LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

BIENNIAL REPORT
ON
HYDROLOGIC DATA

SEASONS OF 1957-58 AND 1958-59

JULY 1, 1960

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

HYDRAULIC DIVISION

REPORT TO M.E. SALSBURY, CHIEF ENGINEER
BIENNIAL REPORT
ON
HYDROLOGIC DATA
SEASONS 1957-58 AND 1958-59

FINLEY B. LAVERTY, ASSISTANT CHIEF ENGINEER

WALTER J. WOOD, CHIEF - HYDRAULIC DIVISION

JULY 1, 1960

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

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July 1, 1960

FILE NO. 2-40.04
Biennial Report on Hydrologic Data
Seasons 1957-58 and 1958-59
All Districts

Honorable Board of Supervisors
Los Angeles County Flood Control District
501 Hall of Records
Los Angeles 12, California

Gentlemen:

There is transmitted herewith for your files, the Los Angeles County Flood Control District's Biennial Report on Hydrologic Data for the Seasons of 1957-58 and 1958-59. This report is the twenty-second of a series of annual or biennial reports which have been published covering thirty-two years of record.

This report assembles data collected and compiled by the District's Hydraulic Division on precipitation, evaporation, runoff, and dam operation, and the District's Water Conservation Division on groundwater, and water conservation. These data are basic for hydrologic study, planning, design, and operation of flood control and conservation projects. The value of continuing the collection, compilation, and publication of this type of data is inestimable due to its widespread use by the District, other organizations, and individuals.

The District wishes to record its appreciation of the valuable cooperation rendered by the various individuals and organizations who have furnished data and served as observers.

Yours very truly,

M. E. Salsbury

M. E. Salsbury, Chief Engineer

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

HYDRAULIC DIVISION

July 1, 1960

File No. 2-40.04
Biennial Report on Hydrologic Data
Seasons 1957-58 and 1958-59

Mr. M. E. Salsbury, Chief Engineer
Los Angeles County Flood Control District
2250 Alcazar Street
Los Angeles 33, California

Dear Mr. Salsbury:

Transmitted herewith is the ''Biennial Report on Hydrologic Data'' for the Seasons 1957-58 and 1958-59. This report includes data collected and compiled by the Hydraulic and Water Conservation Divisions of the District, which are presented as follows:

1. Precipitation
2. Evaporation
3. Runoff
4. Dam Operation
5. Ground Water and Water Conservation

Precipitation records include the daily record of 530 stations during the 1957-58 and 528 during 1958-59 seasons, of which 96 per cent and 98 per cent, respectively, furnished complete seasonal records. Four hundred seventy-one stations have a continuous record of 15 years or longer, including 36 stations which have a continuous record of over 50 years.

Presented in this report are rainfall intensity records for ten representative automatic rain gage stations which show maximum amounts for the periods ranging from five minutes to 24 hours for the periods of record and for the 1957-58 and 1958-59 seasons. Maximum amounts for short durations for all active District automatic rain gage stations for the period of record are also included.

Seasonal rainfall distribution throughout the County is shown by the following relation to the 85-year normal indices for four subareas of the County and for the County area:

Area	Per Cent of Area	Per Cent of Normal Rainfall 1957-58	1958-59
San Gabriel Mountains	18.9	162	54
Valley and Coastal Plain	29.7	161	46
Santa Monica Mountains	5.7	168	49
Sierra Pelona and Desert	45.7	174	54
County	100.0	167	51

Evaporation records were received each month from 30 stations during the 1957-58 and 1958-59 seasons. Maximum evaporation occurred at Palmdale, in the Antelope Valley, for 1957-58 and 1958-59 seasons. Evaporation amounted to 90.15 and 98.91 inches for each season, respectively. Minimum seasonal evaporation of 39.22 and 43.01 inches occurred at Puddingstone Reservoir, near San Dimas, for 1957-58 and 1958-59 respectively. A summary of monthly and seasonal evaporation records for active and inactive evaporation stations is also included in this publication.

Runoff records presented include stream flow measurements, mean daily runoff, and storm hydrographs compiled from the District's water stage recorders.

During 1957-58 and 1958-59, the District operated 101 recording stream flow stations located on main streams and tributary channels. Twenty-eight of these stations are in the Los Angeles River drainage area, 29 are in the San Gabriel River drainage area, 22 are located in the Rio Hondo drainage area, and 22 are located in the remaining important drainage areas. Records obtained from these stations are supplemented by 12 stations operated by the United States Geological Survey, Water Resources Division, six stations operated by the "Survey" in cooperation with the Los Angeles District, Corps of Engineers, one station operated by Ventura County Water Resources Division, one operated by the District in cooperation with the San Bernardino County Flood Control District, and one operated by the San Gabriel Spreading Corporation. These are also included in this publication. Cooperative assistance was given by the District in making measurements at these stations while the District, in turn, received cooperation at one District station from the Corps of Engineers.

As indicated by rainfall, runoff during the 1957-58 season was above normal, however, peak flows were minor except for streams draining the heavily built up valley areas. The storms were of such duration and frequency that runoff waste to the ocean was minor for streams controlled by dams and spreading grounds.

The 1958-59 season produced below average runoff.

Dam operation data included in this report show daily reservoir water surface elevation, storage, and amount of inflow and outflow for 14 dams operated by the District. These dams control 409 square miles of mountain drainage with a total controlled storage of 88,469 acre-feet at spillway lip elevation.

Two tabulations giving pertinent data for the seasons for eight debris dams and 44 debris basins, owned and operated by the District, are included in this report.

Reclamation and enlargement of storage capacity in District reservoirs and debris basins during these seasons, obtained by sluicing and excavation operations, amounted to 1,926,316 cubic yards in 1957-58, and 396,879 cubic yards in 1958-59.

Conservation by means of reservoir and channel absorption amounted to 244,520 acre-feet in 1957-58, and 68,560 acre-feet in 1958-59. Off-channel spreading grounds and recharge facilities made it possible to conserve an additional 152,766 acre-feet during 1957-58, and 42,449 acre-feet in 1958-59. These figures include over 166,000 acre-feet of water imported under the Zone I and Zone II provisions of the Flood Control Act.

During the 1957-58 season 105,112 acre-feet of imported water were spread in Zone I. In the same interval of 1958-59, 54,421 acre-feet were spread in Zone I. A more direct delivery of water to this Zone was established with the completion in the fall of 1957 of the Metropolitan Water District's Garvey-La Verne Feeder which delivers Colorado River water directly to Alhambra Wash and San Gabriel River.

With a 2500-foot extension to the recharge facilities of the West Coast Basin Barrier Project, 7,911 acre-feet of imported water were delivered through eleven recharge wells operating with a combined injection rate averaging about 5.5 cfs.

Over 125 exploratory wells were drilled in the Central and West Coast Basins to determine the location, extent, and continuity of water-bearing zones and the extent of accompanying saline intrusion. Approximately 35 wells were drilled at other locations of the County for geological and water level information.

Ground water maps compiled from well measurements and a brief discussion of the trend of levels in ground water basins are included in this report.

The downward trend of ground water levels in most of the major basins was halted temporarily as a result of the above normal rainfall of the 1957-58 season. San Fernando Valley ground water levels have not declined appreciably during the 1957-59 period and in some areas have even risen slightly from the pre-1957 levels. The decline of water levels in the San Gabriel Valley was temporarily reversed in a significant rise which increased water levels in the central area near Santa Fe Dam by 40 feet, in the Spring of 1958, due to the abnormal rainfall.

This condition retarded the downward trend of water levels in the San Gabriel Valley during the 1958-59 season. A large rise in water levels also occurred in the Montebello Forebay portion of the Coastal Plain in 1958 due to the percolation of local runoff and imported Colorado River water, but fell rapidly after the completion of the spreading season in the Spring of 1959. Water levels in 1957-59 in the pressure areas of the Coastal Plain, in Santa Clara River Valley, and in Antelope Valley have continued to show declining pattern of the 1955-57 period.

The Divisions wish to express appreciation to the many observers, individuals, and agencies who have cooperated by furnishing data to make this report as complete as possible.

Respectfully submitted,

Walter J. Wood
Division Engineer, Hydraulic

Recommended

Finley B. Laverty
Assistant Chief Engineer

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F317-R	ARCADIA WASH	below Grand Avenue	73
U1-R	ARROYO SECO	above Mouth of Canyon	75
P277-R	ARROYO SECO	below Devils Gate Dam	78
F298-R	BALLONA CREEK	at Curson Avenue	80
F38B-R	BALLONA CREEK	at Sawtelle Boulevard	82
F282-R	BALLONA CREEK	at Pacific Avenue.	86
F120B-R	BIG DALTON CREEK	below Big Dalton Dam	86
U9-R	BIG DALTON CREEK	near Mouth of Canyon	88
F202-R	BIG DALTON CREEK	at Sierra Madre Avenue	91
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PRECIPITATION RECORDS

PRECIPITATION

FOREWORD

This report, which contains precipitation and other weather data for the seasons 1957-58 and 1958-59, represents the thirtieth and thirty-first of similar seasonal reports in summarized form. It is published to provide basic data for reference and to bring attention to other weather data which may be found in the District's files.

The District's ''season'' includes the period between October 1, and September 30, which conforms to the water year used by the United States Geological Survey, Water Resources Branch. Daylight saving time in which the clock was advanced one hour for the periods April 27, 1958 to September 28, 1958 and April 26, 1959 to September 27, 1959 was observed. Pacific Standard Time was used for the balance of the periods.

SEASON 1957-58

Seasonal precipitation in Los Angeles County was well above normal in the 1957-58 season with an average of 26.20 inches which was 167 per cent of the 85-year average for various representative stations.

The season of 1951-52 and the current season were the only two with above average rainfall since 1943-44 and the current season was the tenth wettest since 1872-73.

The season was comprised of many storms of short duration with the month of February contributing the greatest amount of rainfall. February 1958 was the tenth wettest February of record. Rain fell for fifteen days in March.

Precipitation of 0.01 or more fell on 54 days in the mountains at Opid's Camp (Camp Hi Hill) and on 45 days at the Los Angeles Post Office Annex.

Isohyets for the season are shown on Map I, page 39.

Snow depths approximated 200 per cent of the average depths in measurements made for twelve snow courses in and near the County. These snow depths are shown in Summary of Snowfall, page 7.

Temperatures at Los Angeles were above normal for the major portion of the season, November and March being the only exceptions. The season included:

The warmest May of record.
The second warmest April of record.
The third warmest June and September of record.
An August equalling the fourth warmest of record.

SEASON 1958-59

Seasonal precipitation in the County for the season 1958-59 was well below the long-time average. A seasonal average of 8.14 inches was 51 per cent of the 85-year average based on various representative stations, which made it the fourth driest of record. No precipitation was measured for the month of March at Los Angeles, the first dry March of record.

An extremely high short-duration intensity of rainfall was measured on January 5-6, 1959, with resultant debris flows from the burned areas of the San Gabriel and Santa Monica Mountains. A report on this storm has been prepared by the Research Section, Hydraulic Division of this District and may be referred to in the District's files.

Precipitation of 0.01 inches or more fell on 23 days in the mountains at Opid's Camp (Camp Hi Hill) and on 10 days at Los Angeles Post Office Annex.

Isohyets for the season are shown on Map II, page 41.

Water content in snow pack early in April was, in general, less than fifty per cent of average as shown under Summary of Snowfall, page 7.

Except for November, February and May, average monthly temperatures were above normal. The season included:

The hottest July of record, also the hottest month of record for an average of 77.8° F.
The warmest October and April of record.
The second warmest March and June of record.

High winds along the coast and lightning from Pasadena to the San Fernando Valley during January and February were experienced.

DISTRIBUTION OF RAIN GAGES

Location and distribution of gages are important factors in the value of precipitation data. Factors affecting the precipitation catch include wind, obstructions, and topography. Distributed throughout 3952 square miles of the County area, the District received daily rainfall records from 640 rain gages located at 530 stations during 1957-58 season, and 641 rain gages located at 528 stations during the 1958-59 season. Station locations are shown on Maps I and II, pages 39 and 41.

During the 1926-27 season, when the District began installing rain gages, there were but 79 stations reporting to the District as compared to 528 stations during 1958-59.

The following tabulation indicates the number of stations from which the District has received records for 15 years or more:

	15 to 49 years		50 years and over	
	1957-58	1958-59	1957-58	1958-59
Continuous records - active	248	249	20 a/	22 a/
Broken records - active and inactive	178	186	14	14
Totals	426	435	34	36

a/ In some cases the station was moved a short distance, or in case of inactivity, another station in the immediate locality has been substituted to give a continuous long-time record.

Recording rain and snow gages are located by the District where feasible and needed. During the past season, approximately 51 per cent of District-owned gages were located in the San Gabriel Mountains and foothill area, 27 per cent in other mountain and foothill areas, and 22 per cent in valley areas, coastal plain and desert.

USES OF PRECIPITATION DATA

1. In operation of District dams, debris dams, debris basins, spreading grounds and pumping plants.

2. In water conservation studies.

3. In calculations relating to flood flows for design purposes.

4. In determining rainfall frequency, intensity-duration and mass rainfall curves.

5. In snow pack as related to water content and runoff studies.

6. Court cases.

7. In determining average precipitation within the County.

8. In preparing seasonal, storm, and long-time average isohyetal maps.

9. By public and private agencies, for flood control, irrigation, and water supply, or related investigations.

The District furnishes precipitation data to many outside agencies and individuals, among which are:

United States Weather Bureau
Corps of Engineers, Department of the Army
United States Forest Service
United States Geological Survey, Water Resources Branch
State of California, Department of Water Resources
City of Los Angeles
Pasadena Water Department
Southern California Edison Company
Los Angeles County
  County Engineer
  Forester and Fire Warden
  Road Department
  Parks and Recreation
Ventura County
San Bernardino County
Orange County

Weather data furnished to the District by the above and other agencies, form a large share of the data received and compiled for the period of this report.

SOURCE AND NUMBER OF RECORDS

The tabulation which follows shows under ownership, the type and number of rain gages.

Rain Gage Ownership and Type	Number of Gages 1957-58	1958-59	1957-58	1958-59
(a) Los Angeles County Flood Control District				
Standard 8" dia. gage	295	297		
Special 8.81" dia. gage	22	21		
Storage type 8" dia. gage	24	26		
Automatic Fergusson Type 9" cap.	31	31		
Automatic Fergusson Type 12" cap.	15	15		
Automatic Universal Type 12" cap.	21	24		
Automatic Friez Type 30" cap.	1	1		
Automatic Friez Type 12" cap.	9	9		
Automatic Stevens Type Q 12" cap.	4	1		
Automatic Stevens Type Q 24" cap.	1	1		
Automatic Fuller Type 3"cap.	1	1		
Tipping Bucket Type		1		
Totals			424	428

Rain Gage Ownership and Type	Number of Gages 1957-58	1958-59	1957-58	1958-59
(b) Outside Agencies and Individuals				
Standard 8" diam. gage	147	144		
Various types, non-recording	7	7		
Automatic-various types and cap.	62	62		
Totals			216	213
Total Number of Rain Gages			640	641
Less stations with both recording and non-recording gages			110	113
Total stations from which the District receives records			530	528

COMPLETE SEASONAL REPORTS

	1957-58	1958-59	1957-58	1958-59
Flood Control District Stations	332 b/	343 b/		
Privately owned Stations	179	174		
Totals			511	517

b/ When a station has both an automatic recording rain gage and a standard rain gage, and one is a District-owned gage, it is considered a Flood Control District Station.

The preceding tabulation shows the number of stations which furnished complete rainfall records or those which could be completed by estimates from adjacent stations for not more than ten per cent of the total seasonal amount.

Records were received and are in the District files as of September 30, 1959 from additional weather instruments as follows:

Type	Number
Maximum-minimum thermometers	67
Thermographs	2
Hygro-thermographs	4
Barographs	2
Single register Anemometer	1
Single register Recording Anemometer	1
Double register Recording Anemometer c/	1

c/ Located at San Gabriel River outlet. Wind roses are plotted for the calendar years: 1948, 1949, 1953, 1954, 1955, 1956, 1957, 1958.

AVERAGE INDICES FOR LOS ANGELES COUNTY

Seasonal indices for the County and for seven subareas in the County reflecting valley, mountain and desert conditions have been computed showing seasonal rainfall as a percentage of 85-year average rainfall. Table X, page 38, presents indices for 87 years in the County and selected areas of the County. Isohyets for the 85-year seasonal normal rainfall are shown on Map III, page 39 of the preceding Biennial report on Hydrological Data.

COMPARATIVE RAINFALL

Comparison of Monthly Rainfall

The following table shows average monthly rainfall amounts in inches and per cent of 85-year average monthly precipitation for Opid's station in the mountains and Los Angeles Post Office Annex station in the valley:

Station Name	Month	Average Monthly Rainfall	Rainfall in Inches 1957-58	Per cent of Average Monthly Rainfall 1957-58	Rainfall in Inches 1958-59	Per cent of Average Monthly Rainfall 1958-59
Opid's (Camp Hi Hill)	Oct.	1.57	3.66	233	.99	63
	Nov.	3.27	2.15	66	.12	4
	Dec.	7.18	11.96	167	.01	--
	Jan.	8.77	5.56	63	4.20	48
	Feb.	9.16	16.97	185	13.51	147
	March	6.30	12.13	193	0	0
	April	2.71	13.28	490	1.61	59
	May	.82	.02	2	0	0
	June	.11	0	0	0	0
	July	.07	0	0	0	0
	Aug.	.10	.10	100	0	0
	Sept.	.52	.52	100	.87	167
Totals		40.58	66.35		21.31	
Los Angeles - Terminal Annex Post Office	Oct.	.56	1.57	280	.03	5
	Nov.	1.23	.53	43	0	0
	Dec.	2.73	2.49	91	0	0
	Jan.	3.38	2.09	62	1.56	46
	Feb.	3.19	7.50	235	4.09	128
	March	2.56	5.70	223	0	0
	April	1.00	3.06	306	.45	45
	May	.32	0	0	0	0
	June	.07	0	0	0	0
	July	0	0	0	T	-
	Aug.	.03	.36	833	0	0
	Sept.	.19	.07	37	T	-
Totals		15.26	23.37		6.13	

COMPARISON OF SEASONAL RAINFALL BY STATIONS

The following table shows a comparison of seasonal rainfall at eleven locations with long-time records in the coastal, valley, foothill, mountain and desert areas in Los Angeles County:

Sta. No.	Station Name	Elev. of Gage	85-Yr. Normal Inches	Years Record	1957-58 Inches	1957-58 % of 85-Yr. Avg.	1958-59 Inches	1958-59 % of 85-Yr. Avg.
32 C	Newhall	1243	17.73	83	31.48	178	9.73	55
53 D	Colby's	3675	30.13	62	46.96	156	14.89	49
57 B-E	Opid's	4250	40.58	42	66.35	164	21.31	53
60 A	Hoegee's	2650	41.49	34	57.87	139	17.76	43
244 B	Long Beach	180	12.72	65	21.14	166	5.42	43
338 A	Mt. Wilson	5650	36.39	55	56.34	155	17.01	47
455	Lancaster	2395	7.18	36	12.05	168	2.77	39
587 B	San Antonio Canyon-P.H. #1	2390	27.55	55	45.86	166	12.86	47
610 B	Pasadena	864	20.19	87	30.88	153	9.96	40
715 B	Los Angeles - P.O. Annex	282	15.26	87	23.37	153	6.13	40
1051	Pierce College	800	15.84	47	26.66	168	7.57	48

MAXIMUM AND MINIMUM RAINFALL

The following tabulation presents maximum and minimum rainfall amounts in Los Angeles County for the period of this report, using 5 p.m. standard gage amounts only:

Sta. No.	Station Name	Minimum Seasonal 1957-58	Minimum Seasonal 1958-59	Maximum Seasonal 1957-58	Maximum Seasonal 1958-59	Maximum Day 1957-58	Maximum Day 1958-59	Date
X 15	Hi Vista - Card	6.36	1.92					
57 B-E	Opid's			66.35				
1030	Mt. Islip-Little Jimmy Springs				29.54			
	Opid's					6.15		2/4
402 C	Cedar Springs						5.65	2/11

Table I, page 8, presents a complete list of automatic recording rain gages which were active during the 1957-58 and 1958-59 seasons, with length of active record.

Table II, page 11, shows a comparison of maximum precipitation intensity for ten representative stations in the District during the 1957-58 and 1958-59 seasons and the maximum intensity of record.

Table III, page 12, shows maximum intensities of record for all active District-owned automatic rain gage stations.

Table IV, pages 16 to 18, presents daily rainfall amounts for selected stations during the 1957-58 season.

Table V, pages 19 to 21, presents daily rainfall amounts for selected stations during the 1958-59 season.

Table VI, pages 22 to 26, presents monthly and seasonal rainfall amounts for stations from which the District received records during the 1957-58 season.

Table VII, pages 27 to 31, presents monthly and seasonal rainfall amounts for stations from which the District received records during the 1958-59 season.

SUMMARY OF SNOWFALL

The accumulated snowfall depth in inches at three mountain stations at higher elevations is shown as follows:

Sta. No.	Station Name	Elev.	Seasons 1957-58	Seasons 1958-59	Maximum of Record	Season	Length of Record in Years
82 D	Table Mountain	7500	145	56	201	1951-52	33
83 B	Big Pines	6860	156	57	231	1943-44	34
283 B	Crystal Lake	5770	94	32	173	1943-44	28

The following tabulation shows snow surveys made at twelve snow courses in April 1959 in San Antonio, Big Rock and Little Rock drainage areas:

Snow Course	Approx. Elev.	Avg. Depth of Snow in Inches 1958	Avg. Depth of Snow in Inches 1959	Water Content in Inches 1958	Water Content in Inches 1959	Density 1/ 1958	Density 1/ 1959
San Antonio Drainage Area							
Icehouse No. 4	5800	16.5	0	7.1	0	43.0	0
Manker Flat	6500	14.0	0	7.3	0	52.2	0
Lower Thunder Mt.	7500	62.5	1.8	28.3	0.7	45.3	38.9
Upper Thunder Mt.	8500	128.0	29.9	48.0	14.1	37.5	47.2
Big Rock Creek Drainage Area							
Baden Powell	7150	73.1	24.8	30.3	10.7	41.4	43.1
Blue Ridge	7200	2/	2.4		1.1		45.8
Islip No. 2	7400	75.7	6.8	37.1	3.6	49.0	52.9
Islip No. 3	7600	89.1	23.7	44.6	11.9	50.1	50.2
Islip No. 4	7570	99.8	23.2	53.5	11.8	53.6	50.9
Little Rock Creek Drainage Area							
Sqw Camp	5800	0	0	0	0	0	0
Cedar Springs	6500	40.5	4.2	18.8	2.0	46.4	47.6
Buckhorn	7100	69.3	2.0	23.5	0.9	33.9	45.0

1/ Density = Water content (inches) x 100 ÷ average depth inches.
2/ Snow course established December 16, 1958, subsequent to April 1958 survey.

Note: Data relative to snow survey measurements subsequent to the establishment of each snow course are in the District files.

COOPERATION OF RAINFALL OBSERVERS

Observers have continued their valuable cooperation with the District in the collection of these data as indicated by the large number of complete reports for the seasons covered in this report.

We wish to express our appreciation to the many agencies and individuals who have so freely cooperated with us in the collection of these data, and who, by so doing, have made such a complete report possible.

TABLE I

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

ACTIVE AUTOMATIC RAIN GAGES

SEASON 1957-1958

FC NO.	NAME OF STATION	ELEV. OF GAGE	TYPE AND CAPACITY		WATERSHED	PERIOD OF RECORD
2B	ESCONDIDO CANYON	1050	UNIVERSAL	12"	SOUTH COASTAL	2/2/57 TO DATE
6	TOPANGA CANYON PATROL STATION	747	"	12"	TOPANGA CANYON	8/18/30 TO DATE
10	BEL AIR HOTEL	540	FERGUSSON	9"	BALLONA CREEK	1/4/29 TO DATE 2/
11C	UPPER FRANKLIN RESERVOIR	867	"	9"	FRANKLIN CANYON	9/29/37 TO DATE
15	VAN NUYS - CITY WAREHOUSE	695	"	9"	LOS ANGELES RIVER	8/18/30 TO DATE
33A'-E	PACOIMA DAM	1500	"	9"	PACOIMA CANYON	9/22/30 TO DATE
46D-E	BIG TUJUNGA DAM	2315	UNIVERSAL	12"	BIG TUJUNGA CANYON	12/9/40 TO DATE
47C	CLEAR CREEK	3125	STEVENS	12"	BIG TUJUNGA CANYON	11/2/28 TO 9/14/54, 7/2/56 TO 12/13/59
47D	CLEAR CREEK SCHOOL	3200	UNIVERSAL	12"	BIG TUJUNGA CANYON	12/13/57 TO DATE
52C	WATERMAN GUARD STATION	3290	FERGUSSON	12"	ARROYO SECO	1/18/26 TO 2/28/28, 10/27/37 TO DATE
53D	COLBY'S	3675	"	12"	BIG TUJUNGA CANYON	4/19/26 TO 1/1928, 6/30/37 TO 12/26/40 2/14/41 TO DATE
54C	LOOMIS RANCH-ALDER CREEK	4300	"	9"	BIG TUJUNGA CANYON	11/24/31 TO DATE 1/
57B-E	OPID'S (CAMP HI HILL)	4250	"	12"	SAN GABRIEL - WEST FORK	12/14/25 TO DATE 2/
60A	HOEGEE'S	2650	"	12"	BIG SANTA ANITA CANYON	11/11/26 TO DATE
63B-E	BIG SANTA ANITA DAM	1400	UNIVERSAL	12"	BIG SANTA ANITA CANYON	2/24/50 TO DATE
68B	SAWPIT DAM	1378	"	12"	SAWPIT CANYON	11/20/52 TO 7/20/53 12/17/53 TO DATE
69B	SAWPIT CANYON - HOGBACK	1775	FERGUSSON	12"	SAWPIT CANYON	11/28/50 TO DATE
70B	ROGER'S CANYON - GOEDERT	790	"	9"	SAN GABRIEL CANYON	12/4/26 TO 7/22/58
70C	SAN GABRIEL CANYON - WADE	845	"	9"	SAN GABRIEL CANYON	7/22/58 TO DATE
83	BIG PINES RECREATION PARK	6860	"	12"	MESCAL CREEK	12/17/25 TO DATE 2/
85F	MT. BALDY GUARD STATION	4300	"	12"	SAN ANTONIO CANYON	11/11/27 TO 8/7/58 2/
85G	MT. BALDY GUARD STATION	4300	"	12"	SAN ANTONIO CANYON	8/7/58 TO DATE 2/
89B-E	SAN DIMAS DAM	1350	UNIVERSAL	12"	SAN DIMAS CANYON	2/27/50 TO 10/25/57
92	CLAREMONT - POMONA COLLEGE	1185	FERGUSSON	9"	SANTA ANA RIVER	12/2/27 TO DATE
96B-E	PUDDINGSTONE DAM	1030	UNIVERSAL	12"	PUDDINGSTONE CREEK	10/14/52 TO DATE
108C	EL MONTE FIRE STATION	275	FERGUSSON	9"	RIO HONDO	10/11/38 TO DATE
116C	INGLEWOOD FIRE STATION	155	"	9"	CENTINELA CREEK	2/26/48 TO DATE
128B	ELIZABETH LAKE CANYON-WARM SPRINGS	2041	UNIVERSAL	12"	ELIZABETH LAKE CANYON	2/21/56 TO DATE
156	LA MIRADA - STANDARD OIL CO.	86	STEVENS	12"	COYOTE CREEK	4/19/46 TO DATE
179G	BAILEY DEBRIS DAM	1180	FERGUSSON	9"	RIO HONDO	6/24/41 TO DATE
191B	LOS ANGELES - ALCAZAR	400	FULLER FLOAT TYPE	3"	LOS ANGELES RIVER	6/27/52 TO DATE
201	PUENTE HILLS - ALTA MIRA RANCH	860	FERGUSSON	9"	SAN JOSE CREEK	9/15/38 TO 11/2/38 12/19/40 TO DATE
213D	LOS ANGELES - HANCOCK PARK	175	"	9"	BALLONA CREEK	1/13/29 TO DATE
223B-E	BIG DALTON DAM	1575	STEVENS	12"	BIG DALTON CANYON	10/14/52 TO 12/4/57
223B-E	BIG DALTON DAM	1575	UNIVERSAL	12"	BIG DALTON CANYON	12/4/57 TO DATE
235B	HENNIGER FLATS	2550	FRIEZ	12"	EATON CANYON	1/2/30 TO DATE
250D	ACTON CAMP	2550	UNIVERSAL	12"	SOLEDAD CANYON	1/4/57 TO DATE
259C	CHATSWORTH PATROL STATION	1254	FERGUSSON	9"	LOS ANGELES RIVER	8/17/37 TO DATE
261B-E	ACTON-ESCONDIDO CANYON	2920	"	9"	SANTA CLARA RIVER	11/23/30 TO DATE 2/
280B	FLINT RIDGE FIRE STATION	1345	"	9"	ARROYO SECO	7/26/30 TO DATE
283B	CRYSTAL LAKE - EAST PINE FLAT	5770	"	12"	SAN GABRIEL - NORTH FORK	11/26/35 TO DATE
291	LOS ANGELES - 96TH AND CENTRAL	121	"	9"	LOS ANGELES RIVER	10/6/30 TO DATE
303F	PASADENA - CAL TECH	800	"	9"	ALHAMBRA CHANNEL	12/13/30 TO DATE
334B-E	COGSWELL DAM	2330	"	12"	SAN GABRIEL - WEST FORK	1/14/32 TO DATE
338B	MOUNT WILSON - AIRWAYS STATION	5709	"	12"	SANTA ANITA CANYON	3/4/32 TO DATE 2/
352B	LACHUSA PATROL STATION	1530	"	9"	LACHUSA CANYON	11/28/34 TO DATE 2/
356C	SPADRA - PACIFIC COLONY	690	"	9"	SAN JOSE CREEK	3/30/38 TO DATE 2/
367	HAINES CANYON - UPPER	3450	FRIEZ	30"	HAINES CANYON	1/13/33 TO DATE
372	SAN FRANCISQUITO POWER HOUSE NO. 2	1580	FERGUSSON	9"	SANTA CLARA RIVER	5/25/44 TO DATE
373	BRIGGS TERRACE	2310	FRIEZ	12"	PICKENS CHANNEL	11/28/33 TO 7/22/58
373B	BRIGGS TERRACE	2225	"	12"	PICKENS CHANNEL	7/22/58 TO DATE
379B	SAN GABRIEL - EAST FORK	1600	"	12"	SAN GABRIEL - EAST FORK	12/8/37 TO 8/1938 2/14/46 TO DATE
380	EL SERENO - MORGAN	525	FERGUSSON	9"	LOS ANGELES RIVER	11/1/34 TO DATE
402C	CEDAR SPRINGS	6665	UNIVERSAL	12"	SAN GABRIEL RIVER	10/25/57 TO DATE
415	SIGNAL HILL CITY HALL	140	FERGUSSON	9"	SOUTH COASTAL	3/15/37 TO DATE 2/
425D-E	SAN GABRIEL DAM	1481	UNIVERSAL	12"	SAN GABRIEL RIVER	11/3/37 TO DATE 2/
433C	FAIROAKS DEBRIS BASIN	1580	FERGUSSON	9"	ARROYO SECO	9/14/38 TO DATE
434	MALIBU DIVISION HEADQUARTERS	800	"	9"	MEDEA CREEK	10/27/43 TO DATE
435	MONTE NIDO	600	"	9"	MALIBU CREEK	11/19/43 TO DATE
443B	LATIGO CANYON - BEACH RANCH	1700	UNIVERSAL	12"	DUME CANYON	1/9/57 TO DATE
444C	ROLLING HILLS	490	FRIEZ	12"	DOMINGUEZ CHANNEL	7/13/48 TO DATE
445B	LIVE OAK DAM	1510	STEVENS	12"	LIVE OAK CANYON	3/20/40 TO DATE
446	ALISO CANYON - OAT MT.	2367	UNIVERSAL	12"	LOS ANGELES RIVER	7/2/40 TO DATE 2/
449B	EATON DAM	880	STEVENS	12"	EATON WASH	10/31/50 TO 12/2/57
451B	CASTAIC PATROL STATION	1066	UNIVERSAL	12"	SANTA CLARA RIVER	1/3/57 TO DATE
466B	PACOIMA CN. - DUTCH LOUIE CN.	3225	"	12"	PACOIMA CANYON	1/16/41 TO DATE
470	TUJUNGA - MILL CREEK	4600	FRIEZ	12"	BIG TUJUNGA CANYON	10/18/41 TO 10/28/49 7/9/51 TO DATE 2/
477B	SANTA ANITA - SPRING CAMP	4715	STEVENS	24"	SANTA ANITA CANYON	11/25/41 TO DATE
486B	COLDWATER CANYON - WIDMAN RANCH	3865	FERGUSSON	12"	SAN GABRIEL - EAST FORK	9/22/43 TO DATE
492	CHILAO - STATE HIGHWAY MAINTENANCE STA.	5275	"	12"	SAN GABRIEL - WEST FORK	10/10/44 TO DATE
493B	SAND CANYON - BARRUS	1780	FERGUSSON	9"	SANTA CLARA RIVER	12/1/54 TO DATE
517B	ANDERSEN RANCH	4700	"	9"	PALLETT CREEK	12/17/43 TO DATE
1006	SAN PEDRO RESERVOIR	150	"	9"	SOUTH COASTAL	3/7/46 TO DATE
1008-E	LA FRESA - S.C.E. CO. SUBSTATION	65	FRIEZ	12"	LAGUNA DOMINGUEZ	8/29/46 TO DATE
1010B	PALMER CANYON - FORKS	2120	"	12"	THOMPSON CREEK	12/19/46 TO DATE
1013B	TUJUNGA CANYON ABOVE GOLD CN.	1650	STEVENS	12"	BIG TUJUNGA CANYON	9/29/47 TO DATE
1014D-E	RIO HONDO SPREADING GROUNDS	155	FERGUSSON	9"	RIO HONDO	9/29/47 TO DATE
1017	LITTLE ROCK CREEK ABOVE SANTIAGO CREEK	3330	STEVENS	12"	LITTLE ROCK CANYON	8/6/48 TO DATE
1035	WHITTIER - WOOD	280	FERGUSSON	9"	SAN GABRIEL RIVER	10/27/52 TO DATE
1037-E	ARCADIA - ARBORETUM	565	UNIVERSAL	12"	RIO HONDO	3/3/55 TO DATE
1060	LITTLE ROCK - SYCAMORE CAMP	3925	FRIEZ	12"	LITTLE ROCK CREEK	7/21/53 TO DATE
1062	BUCKHORN FLAT	6660	"	12"	LITTLE ROCK CREEK	2/16/54 TO DATE
1074	LITTLE GLEASON	5600	FERGUSSON	12"	SANTA CLARA RIVER	9/29/54 TO DATE
1078	COVINA - GRIFFITH	975	"	9"	WALNUT CREEK	1/26/55 TO DATE
1080	BRADBURY DEBRIS BASIN	935	UNIVERSAL	12"	SAN GABRIEL RIVER	5/25/55 TO DATE
1088B	LA HABRA HTS. MUTUAL WATER CO.	445	"	12"	COYOTE CREEK	3/8/55 TO DATE
1107B	LA TUNA CANYON	1225	"	12"	LOS ANGELES RIVER	11/14/55 TO DATE
1108	ANAVERDE VALLEY - PLATT	2950	"	12"	AMARGOSA CREEK	6/1/56 TO DATE
X6	ENCINO	1240	FERGUSSON	12"	LOS ANGELES RIVER	11/3/44 TO DATE
X28B	HOLIDAY HILL	8150	"	12"	SAN GABRIEL RIVER	11/15/57 TO DATE

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

ACTIVE AUTOMATIC RAIN GAGES

SEASON 1958-1959

FC NO.	NAME OF STATION	ELEV. OF GAGE	TYPE AND CAPACITY		WATERSHED	PERIOD OF RECORD
83	BIG PINES RECREATION PARK	6860	FERGUSSON	12"	MESCAL CREEK	12/17/25 TO 10/16/58 2/
83B	BIG PINES RECREATION PARK	6860	"	12"	MESCAL CREEK	10/16/58 TO DATE 2/
89B-E	SAN DIMAS DAM	1350	UNIVERSAL	12"	SAN DIMAS CANYON	2/27/50 TO 10/25/57
156	LA MIRADA - STANDARD OIL CO.	86	STEVENS	12"	COYOTE CREEK	4/19/46 TO 1/14/59
156	LA MIRADA - STANDARD OIL CO.	86	UNIVERSAL	12"	COYOTE CREEK	1/14/59 TO DATE
445B	LIVE OAK DAM	1510	STEVENS	12"	LIVE OAK CANYON	3/20/40 TO 1/16/59
445B	LIVE OAK DAM	1510	UNIVERSAL	12"	LIVE OAK CANYON	1/16/59 TO DATE
449B	EATON DAM	880	STEVENS	12"	EATON WASH	10/31/50 TO 12/2/57
477B	SANTA ANITA - SPRING CAMP	4715	STEVENS	24"	SANTA ANITA CANYON	11/25/41 TO 11/26/58
477C	SANTA ANITA - SPRING CAMP	4675	STEVENS	24"	SANTA ANITA CANYON	11/26/58 TO DATE
1017	LITTLE ROCK CREEK - SANTIAGO CREEK	3330	STEVENS	12"	LITTLE ROCK CANYON	8/6/48 TO 1/15/59
1017	LITTLE ROCK CREEK - SANTIAGO CREEK	3330	UNIVERSAL	12"	LITTLE ROCK CANYON	1/15/59 TO DATE
1080	BRADBURY DEBRIS BASIN	935	"	12"	SAN GABRIEL RIVER	5/25/25 TO 7/29/59
1080B	BRADBURY DEBRIS BASIN	935	"	12"	SAN GABRIEL RIVER	7/29/59 TO DATE
X29	PINE MOUNTAIN	4100	TIPPING BUCKET		SAN GABRIEL RIVER	12/26/58 TO DATE

LEGEND

1/ PREVIOUS RECORD BY U.S.W.B. MARVIN GAGE FROM DECEMBER 1916 TO NOVEMBER 24, 1931.

2/ HOURLY AMOUNTS PUBLISHED IN U.S.W.B. HYDROLOGIC BULLETIN, SOUTH PACIFIC DISTRICT, AND HOURLY PRECIPITATION DATA FOR CALIFORNIA FROM OCTOBER 1, 1951. SUFFIX A, B, C, DENOTES FIRST, SECOND, OR THIRD LOCATION IN SAME LOCALITY UNDER NEARLY THE SAME CONDITIONS.

SUFFIX -E DENOTES EVAPORATION PAN AT STATION.

NOTE: THE DISTRICT ALSO HAS RECORDS OF SEVERAL AUTOMATIC GAGES AT STATIONS WHICH ARE NOW INACTIVE. THESE RECORDS ARE AVAILABLE IN THE DISTRICT'S FILES.

SEASON 1958-59 TABULATION IS IDENTICAL WITH 1957-58 TABULATION WITH THE EXCEPTION OF STATION NUMBERS: 83B, 89B-E, 156, 445B, 449B, 477C, 1017, 1080B, AND X29.

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

PRIVATE ACTIVE AUTOMATIC RAIN GAGES

SEASON 1957 - 1958

FC NO.	NAME OF STATION	ELEV. OF GAGE	TYPE AND CAPACITY		WATERSHED	PERIOD OF RECORD
23-E	CHATSWORTH RESERVOIR	865	FRIEZ	12"	LOS ANGELES RIVER	10/23/45 TO DATE *** **
87	SAN DIMAS GUARD STATION	1485	FERGUSSON	12"	SAN DIMAS CREEK	12/11/25 TO 11/23/26 11/19/42 TO DATE **
124B	BOUQUET CANYON RESERVOIR	3050	STEVENS FLOAT	9"	SANTA CLARA RIVER	11/11/31 TO DATE *
139B	LOS ANGELES WATER DEPARTMENT	450	LEITZ	5.5"	LOS ANGELES RIVER	12/22/38 TO DATE *
140B	SAWTELLE	232	FRIEZ	12"	BALLONA CREEK	10/5/51 TO DATE *
157B	EL SEGUNDO - STANDARD OIL COMPANY	150	"	12"	WEST COASTAL	6/16/48 TO DATE
158	TANBARK FLATS	2750	FERGUSSON	12"	SAN DIMAS CREEK	1/16/29 TO DATE *** **
210B	BRAND PARK	1250	FRIEZ	30"	LOS ANGELES RIVER	12/27/28 TO DATE
228B	BEVERLY HILLS - CITY HALL	290	FERGUSSON	9"	BALLONA CREEK	10/14/31 TO DATE
269B	DIAMOND BAR RANCH - HORSE CAMP	748	FRIEZ	12"	BREA CANYON	12/3/41 TO DATE *** **
311b	PASADENA METEOROLOGICAL STATION	918	FRIEZ TIPPING BUCKET		ARROYO SECO	10/1/38 TO DATE *
357	VAN NORMAN RESERVOIR - UPPER	1248	FRIEZ	12"	WELDEN CANYON	12/4/45 TO DATE *** **
407-E	NEWHALL - U.S.F.S. HEADQUARTERS	1325	"	12"	SANTA CLARA RIVER	12/1949 TO DATE *** **
436B	HANSEN DAM	975	"	30"	TUJUNGA CHANNEL	10/30/40 TO DATE *** **
453B	DEVILS GATE DAM	1090	UNIVERSAL	12"	ARROYO SECO	11/20/52 TO 9/15/53 1/27/54 TO 11/14/55 11/23/55 TO DATE
465C	SEPULVEDA DAM	683	FRIEZ	12"	LOS ANGELES RIVER	10/23/45 TO DATE *** **
471	LITTLE TUJUNGA - GOLD CREEK	2750	US C OF E (SPECIAL)	UNLIMITED	LITTLE TUJUNGA CANYON	10/30/41 TO DATE *** **
565B	LONG BEACH - CITY AUTOMATIC	11	UNIVERSAL	12"	SOUTH COASTAL	11/8/24 TO DATE
566	LONG BEACH NO. 1	15	"	12"	SOUTH COASTAL	10/1/55 TO DATE
577F	LOS ANGELES - U.S.W.B. (FEDERAL BLDG.)	548	FRIEZ TIPPING BUCKET		LOS ANGELES RIVER	3/1/40 TO DATE *** *
619	SAN ANTONIO CANYON - SIERRA P.H.	3200	UNIVERSAL	12"	SAN ANTONIO CANYON	7/24/56 TO DATE *
666B	LONG BEACH - 60TH ST. AND LINDEN	50	"	12"	SOUTH COASTAL	9/1933 TO DATE
683	SUNSET RIDGE GUARD STATION	2110	FRIEZ	12"	ARROYO SECO	10/16/45 TO 3/31/47 ** 10/20/55 TO DATE **
715B	LOS ANGELES TERMINAL ANNEX P.O.	282	"	12"	LOS ANGELES RIVER	9/16/53 TO DATE
724	BIG DALTON - MONROE CANYON	1775	STEVENS	6"	BIG DALTON CANYON	3/15/39 TO DATE **
725	BIRMINGHAM HOSPITAL	724	FRIEZ	12"	LOS ANGELES RIVER	8/4/44 TO DATE *** **
726	ANGELES CREST - GUARD STATION	2300	"	12"	ARROYO SECO	10/16/45 TO DATE
734B	LOS ANGELES INTERNATIONAL AIRPORT	126	TIPPING BUCKET		DOMINGUEZ CHANNEL	10/18/48 TO DATE *** *
740B	SAN DIMAS CANYON - FERN CANYON	5200	FERGUSSON	12"	SAN DIMAS CREEK	10/12/36 TO DATE **
741	SAN DIMAS CANYON - UPPER EAST FORK	2765	"	12"	SAN DIMAS CREEK	10/4/34 TO DATE **
747	SANDBERG AIRWAYS STATION	4517	FRIEZ	12"	SANTA CLARA RIVER	4/2/32 TO DATE *** *
749	BURBANK - U.S.W.B. (AIRPORT)	699	"	12"	LOS ANGELES RIVER	9/20/31 TO DATE *** **
755	GRIFFITH PARK - LITTLE CANYON	900	"	12"	LOS ANGELES RIVER	9/4/47 TO DATE *
756	GRIFFITH PARK - UPPER SPRING CANYON	1200	"	12"	LOS ANGELES RIVER	9/2/47 TO DATE *
757	GRIFFITH PARK - FERN DELL	750	"	12"	BALLONA CREEK	9/4/47 TO DATE *
758	GRIFFITH PARK - LOWER SPRING CANYON	600	"	12"	LOS ANGELES RIVER	9/3/47 TO DATE *
759B	NICHOLS DEBRIS BASIN	478	"	12"	NICHOLS CANYON	9/11/47 TO DATE *
760	STUDIO CITY - 3913 GOODLAND AVENUE	680	"	12"	LOS ANGELES RIVER	10/3/47 TO DATE *
762	UPPER STONE CANYON	943	"	12"	BALLONA CREEK	9/4/47 TO DATE *
766	MANDEVILLE CANYON - FIRE ROAD NO. 24	1625	"	12"	MANDEVILLE CANYON	9/5/47 TO DATE *
769	SANTA YNEZ CN. - TEMESCAL FIRE RD. NO. 30	1980	"	12"	SANTA YNEZ CANYON	9/5/47 TO DATE *
770	SANTA YNEZ CN. - PASEO MIRAMAR	700	"	12"	SANTA YNEZ CANYON	9/11/47 TO DATE *
771	RUSTIC CANYON - SANTA MONICA MOUNTAINS	265	"	12"	RUSTIC CANYON	9/10/47 TO DATE *
772	L.A. - ECHO PARK AND LUCRETIA	475	STEVENS	12"	BALLONA CREEK	9/15/47 TO DATE *
774	BARLOW SANITARIUM	450	RATIONAL	8"	LOS ANGELES RIVER	12/19/47 TO DATE *
779	GRIFFITH PARK - LOWER MINERAL WELLS	625	FRIEZ	12"	LOS ANGELES RIVER	11/1947 TO DATE *
780	GRIFFITH PARK - UPPER MINERAL WELLS	950	"	12"	LOS ANGELES RIVER	11/5/47 TO DATE *
783	COON CANYON	1268	LEUPOLD TYPE L	6"	ARROYO SECO	10/1948 TO DATE *
796	FIRE DEPARTMENT - ELYSIAN PARK	737	FRIEZ	12"	LOS ANGELES RIVER	9/20/48 TO DATE *
801	MAGIC MOUNTAIN	4450	US C OF E (SPECIAL)	UNLIMITED	PACOIMA CANYON	3/19/47 TO DATE *** *
806	L.A. - TEVIOT STREET	540	FRIEZ	12"	LOS ANGELES RIVER	9/20/49 TO 9/30/58*
1041B	SANTA FE DAM	427	UNIVERSAL	12"	SAN GABRIEL RIVER AND RIO HONDO	10/24/45 TO DATE *** *
1058	PALMDALE 2 NE	2583	FRIEZ	12"	MOHAVE DESERT	3/27/53 TO DATE ***
1066	LONG BEACH - WOODRUFF AVENUE	26	UNIVERSAL	12"	LOS CERRITOS CHANNEL	10/1/55 TO DATE
1075	UPPER WOLFSKILL CANYON	3625	FERGUSSON	12"	SAN DIMAS CANYON	12/14/37 TO 5-28/46 * 1/7/54 TO DATE *
1093-E	FULLERTON AIRPORT	94	STEVENS TYPE L	5"	COYOTE CREEK	1/1955 TO DATE *
1095	ORANGE COUNTY RESERVOIR	600	FRIEZ	12"	BREA CANYON	10/17/41 TO DATE *** **
1106	ANTELOPE VALLEY FIELD STA.	2540	FRIEZ	9"	ANTELOPE VALLEY	1/24/56 TO DATE
1113	DOMINGUEZ WATER CO.	30	FRIEZ	12"	SOUTH COASTAL	11/1/55 TO DATE **
1114	WHITTIER NARROWS DAM	255	UNIVERSAL	12"	RIO HONDO	6/4/57 TO DATE **
1115	SAN ANTONIO DAM	2120	"	12"	SAN ANTONIO CANYON	8/1/56 TO DATE *
1118	LAKEWOOD	55	"	12"	SAN GABRIEL RIVER	9/15/56 TO DATE *

LEGEND

* DISTRICT HAS NO FILE OF AUTOMATIC CHART RECORDS.
** DISTRICT HAS INCOMPLETE FILE OF AUTOMATIC CHART RECORDS.
*** HOURLY AMOUNTS PUBLISHED IN U.S.W.B. HYDROLOGIC BULLETIN, SOUTH PACIFIC DISTRICT, AND HOURLY PRECIPITATION DATA FOR CALIFORNIA FROM OCTOBER 1, 1951.
SUFFIX A, B, C, DENOTES FIRST, SECOND, OR THIRD LOCATION OF STATION IN SAME LOCALITY UNDER NEARLY THE SAME CONDITIONS.
SUFFIX - E INDICATES EVAPORATION PAN AT STATION.

NOTE: THE DISTRICT ALSO HAS RECORDS OF SEVERAL AUTOMATIC GAGES AT STATIONS WHICH ARE NOW INACTIVE. THESE RECORDS ARE AVAILABLE IN THE DISTRICT'S FILES.

SEASON 1958-59 IDENTICAL WITH SEASON 1957-58 WITH THE EXCEPTION OF STATION NO. 806.

TABLE II

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

COMPARATIVE MAXIMUM RAINFALL DEPTHS IN INCHES

SEASONS 1957-58, 1958-59 AND MAXIMUM OF RECORD FOR SELECTED STATIONS

		715B LOS ANGELES TERMINAL ANNEX POST OFFICE		#15 VAN NUYS LAWD WAREHOUSE		#108C EL MONTE FIRE STA.		#425B SAN GABRIEL DAM		#261B ACTON ESCONDIDO CN.		#6 TOPANGA CANYON		#92 POMONA COLLEGE CLAREMONT		#57B OPID'S (CAMP HI HILL)		#60A HOGEES (CAMP IVY)		#303F CAL TECH PASADENA	
		1957-1958	MAX. OF RECORD	1957-1958	MAX. OF RECORD	1957-1958	MAX. OF RECORD	1957-1958	MAX. OF RECORD	1957-1958	MAX. OF RECORD	1957-1958	MAX. OF RECORD	1957-1958	MAX. OF RECORD	1957-1958	MAX. OF RECORD	1957-1958	MAX. OF RECORD	1957-1958	MAX. OF RECORD
5 MIN.	AMT.	.17	.44	.28	.33	.20	.54	.25	.60	.12	.29	.16	.50	.18	.40	.30	1.17	.32	.43	.30	.32
	DATE	2/19	1/14/08	4/1	12/15/38	2/19	5/11/57	12/15	4/5/26	2/26	8/26/35	2/19	1/22/43	10/11	12/6/46	2/3	4/5/26	2/3	4/29/35	2/19	3/3/43
10 MIN.	AMT.	.30	.66	.30	.43	.34	.68	.38	.62	.20°°	.41	.27	.70	.28	.46	.50	1.18	.52	.52	.43	.47
	DATE	10/20	2/18/14	4/1	1/8/40	2/19	5/11/57	10/11	4/5/26	10/11	8/26/35	2/3	2/20/41	10/11	12/6/46	2/3	4/5/26	2/3	2/3/58	2/19	2/23/57
15 MIN.	AMT.	.42	.81	.31	.50	.46	.77	.48	.68	.30°°	.44	.37	.91	.30	.50	.56	1.18	.62	.65	.56	.62
	DATE	10/20	2/18/14	4/1	12/17/40	2/19	5/11/57	10/11	9/24/39	10/11	8/26/35	2/3	2/20/41	10/11	9/29/46	2/3	4/5/26	2/3	12/21/45	2/19	2/23/57
30 MIN.	AMT.	.60	1.12	.34	.88	.70	.89	.60	.96	.48°°	.66	.50	1.25°°	.40	.72	.97	1.52	.78	1.06	.83	1.08
	DATE	2/19	2/18/14	4/1	12/28/41	2/19	5/11/57	10/11	4/5/26	10/11	7/24/46	2/25	1/22/43	12/15	9/29/46	2/3	4/5/26	2/3	3/4/43°	2/19	3/3/43
1 HR.	AMT.	.89	1.51	.40	1.26	1.08	1.08	.74	1.25	.53°°	.93°°	.95	2.17°°	.60	1.00	1.66	2.21	1.19	1.70	1.16	1.70
	DATE	2/19	2/18/14	3/27	12/28/41	2.19	2/19/58	12/17	1/22/43	10/11	8/24/35	2/25	1/22/43	12/17	1/6/59	2/3	4/5/26	2/19	12/21/45	2/19	3/3/43
2 HRS.	AMT.	1.19	1.99	.70°°	1.52	1.40	1.54	1.46	2.34	.53°°	1.48°°	1.60	2.85°°	.90	1.63	2.45	3.83	1.82	2.88	1.63	2.36
	DATE	2/19	2/18/14	2/19	1/6/59	2/19	1/26/56	12/16	1/22/43	10/11	8/24/35	2/25	1/22/43	12/17	1/22/43	2/3	4/5/26	2/19	3/2/38	2/19	3/3/43
3 HRS.	AMT.	1.27	2.28	.95°°	2.13	1.63	2.21	1.55	3.28	.64	1.48°°	2.10	3.51°°	1.00	2.27	2.95	4.95	2.35	4.00	2.01	3.02
	DATE	2/19	2/18/14	2/19	1/22/43	2/19	1/26/56	12/16	1/22/43	4/1	8/24/35	2/25	12/31/33	12/15	12/31/33	2/3	3/2/38	2/19	3/2/38	2.19	12/31/33
4 HRS.	AMT.	1.40	2.71	1.26°°	2.67°°	1.92	2.72	1.70	4.32	.80	1.57	2.60	4.34°°	1.25	2.96	3.29	6.16	2.66	5.30	2.31	3.80
	DATE	2/19	1/26/56	2/19	1/22/43	2/19	1/26/56	4/3	1/22/43	4/1	1/22/43	2/25	12/31/33	12/15	1/22/43	2/3	3/2/38	4/2	3/2/38	2/19	12/31/33
5 HRS.	AMT.	1.57	3.06	1.42°°	3.13°°	2.07	3.15	2.23	5.30	.88	1.82	2.87	5.24°°	1.42	3.25	3.80	7.24	2.96	6.48	2.41	4.55
	DATE	2/19	3/2/38	2/19	1/22/43	2/19	1/26/56	4/3	1/22/43	4/1	1/22/43	2/25	12/31/33	12/15	1/22/43	2/3	3/2/38	4/2	1/22/43	2.19	12/31/33
12 HRS.	AMT.	2.54	5.02°°	2.50°°	5.29	3.10	5.41	3.11	10.35	1.31	3.14	3.92	9.79	2.25	5.26	4.91	13.38	4.42	13.36	3.46	7.98
	DATE	2/19	1/26/56	2/19	12/31/33	2/19	1/26/56	4/2	1/22/43	4/1	1/22/43	2/19	12/31/33	2/3	1/26/56	2.2	3/2/38	1/25	1/22/43	2/19	12/31/33
24 HRS.	AMT.	2.54	7.36	2.50°°	8.13°°	3.10	7.23	4.25	17.81	1.58	4.44	3.98	13.63	3.58	7.92	7.46	21.68	6.65	26.12	3.49	11.26°°
	DATE	2/19	12/31/33	2/19	1/21/43	2/19	1/26/56	12/15	1/22/43	3/31	1/22/43	2/18	12/31/33	2/3	12/31/33	12/15	1/22/43	4/1	1/22/43	2/19	12/31/33
STORM TOTAL																					
AUTO.	AMT.	2.75	8.31	3.64	INC.	3.35	9.18	6.95	24.07	2.69	6.45	4.87	INC.	4.84	10.70	12.11	32.15	9.40	37.42	3.49	13.64
	DATE	2/2-2/4	1/25-1/27/56	2/2-2/4	1/21/43-1/23/43	2/2-2/4	1/25-1/27/56	12/15-12/17	1/21/43-1/23/43	3/31-4/1	1/21/43-1/23/43	3/13-3/16	1/21/43-1/23/43	2/2-2/5	1/21/43-1/24/43	2/2-2/4	1/21/43-1/23/43	2/2-2/5	1/21/43-1/23/43	2/19-	1/21/43-1/23/43
STD.	AMT.	3.09	9.67	3.59	11.31	3.46	12.99	7.10	25.08	2.70	6.69	5.18	17.38	4.92	11.03	12/27	33.95	9.60	37.34	3.38	13.86
	DATE	2/2-2/4	3/2/84-3/10/84	2/2-2/4	1/21/43-1/23/43	2/2-2/4	12/30/33-1/2/34	12/15-12/17	12/17/21-12/22/21	3/31-4/1	12/18/21-12/27/21	3/13-3/16	1/21/43-1/23/43	2/2-2/5	2/10/27-2/18/27	2/2-2/4	12/18/21-12/23/21	2/2-2/5	1/21/43-1/23/43	2/19-	1/21/43-1/23/43
		1958-1959		1958-1959		1958-1959		1958-1959		1958-1959		1958-1959		1958-1959		1958-1959		1958-1959		1958-1959	
5 MIN.	AMT.	.36°°		.20		.39°°		.28		.17		.17		.14		.37		.30		.18	
	DATE	1/6		1/6		2/11		1/6		9/13		2/11		1/6		1/6		1/6		2/11	
10 MIN.	AMT.	.42°°		.30		.56°°		.42		.27		.32		.26		.54		.42		.22	
	DATE	1/6		1/6		1/6		2/11		9/13		2/11		1/6		1/6		1/6		2/11	
15 MIN.	AMT.	.44°°		.35		.70°°		.52		.34		.36		.40		.57		.48		.25	
	DATE	1/6		1/6		1/6		2/11		9/13		2/11		1/6		1/6		1/6		2/11	
30 MIN.	AMT.	.45°°		.56		.85°°		.65		.44		.39		.58		.70		.61		.29	
	DATE	1/6		1/6		1/6		2/11		9/13		2/11		1/6		1/6		1/6		2/11	
1 HR.	AMT.	.48°°		.94		.89°°		.97		.44		.55		1.00		.90		.99		.48	
	DATE	1/6		1/6		1/6		2/11		9/13		1/6		1/6		1/6		1/6		1/6	
2 HRS.	AMT.	.67°°		1.52		.94°°		1.47		.63		1.04		1.20		1.40		1.50		.83	
	DATE	1/6		1/6		1/6		2/16		1/6		1/6		1/6		1/6		1/6		1/6	
3 HRS.	AMT.	.79°°		1.97		1.06°°		1.97		.78		1.49		1.41		1.87		2.09		1.18	
	DATE	1/6		1/6		1/6		2/16		1/6		1/6		1/6		1/6		1/6		1/6	
4 HRS.	AMT.	.95°°		2.46		1.21°°		2.32		.86		1.95		1.72		2.24		2.48		1.50	
	DATE	1/6		1/5		1/6		2/16		1/6		1/5		1/6		1/6		1/6		1/5	
5 HRS.	AMT.	1.17°°		2.81		1.33°°		2.58		.98		2.25		1.98		2.73		2.93		1.86	
	DATE	1/5		1/5		1/6		2/16		1/5		1/5		1/6		1/6°		1/5		1/5	
12 HRS.	AMT.	1.41°°		3.51		1.62°°		3.43		1.14		3.05		2.72		4.68		3.99		2.54	
	DATE	1/5		1/5		1/6		2/16		1/5		1/5		1/5		2/10		1/5		1/5	
24 HRS.	AMT.	1.50		3.51		1.62°°		4.25		1.14		3.22		2.72		5.47		4.10		2.54	
	DATE	2/15		1/5		1/5		2/15		1/5		1/5		1/5		2/10		1/5		1/5	
STORM TOTAL																					
AUTO.	AMT.	1.50		3.51		1.62		4.30		1.14		3.22		2.72		5.92		4.10		2.54	
	DATE	2/15-2/16		1/5-1/6		1/5-1/6		2/15-2/17		1/5-1/6		1/5-1/6		1/5-1/6		2/9-2/11		1/5-1/6		1/5-1/6	
STD.	AMT.	1.71		3.66		1.67		4.25		1.15		3.59		2.77		5.99		4.12		2.50	
	DATE	2/15-2/16		1/5-1/6		1/5-1/6		2/15-2/17		1/5-1/6		1/5-1/6		1/5-1/6		2/9-2/11		1/5-1/6		1/5-1/6	

LEGEND

DATE - INDICATES BEGINNING OF PERIOD
°° INTERPOLATED VALUE
INC. INCOMPLETE RECORD

NOTE: RAINFALL DEPTHS IN INCHES TAKEN FROM AUTOMATIC RAIN GAGE CHART AMOUNTS

TABLE III

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

ACTIVE AUTOMATIC RAIN GAGE STATIONS

SUMMARY OF MAXIMUM RAINFALL DEPTHS IN INCHES

		STA. #2B ESCONDIDO	STA. #6 TOPANGA CN.	STA. #10 BEL AIR HOTEL	STA. #11C UPPER FRANKLIN CN. RESERVOIR	STA. #15 VAN NUYS CITY WAREHOUSE	STA. #33A'-E PACOIMA DAM	STA. #46D-E BIG TUJUNGA OAM	STA. #47D CLEAR CREEK
5 MIN.	AMT.	0.31	0.50	0.43	0.40	0.33	0.34	0.37	0.59
	DATE	1/6/59	1/22/43	1/15/52	1/6/59	12/15/38	1/22/43	1/22/43	1/8/40
10 MIN.	AMT.	0.36	0.70	0.63	0.53*	0.43	0.57	0.50	0.75
	DATE	1/6/59	2/20/41	1/15/52	1/15/52	1/8/40	1/7/40	2/11/59	1/8/40
15 MIN.	AMT.	0.48	0.91	0.78	0.69*	0.50	0.74	0.68	0.85
	DATE	12/15/57	2/20/41	1/15/52	1/15/52	12/17/40	1/7/40	1/22/43	1/8/40
30 MIN.	AMT.	0.76	1.25*	1.13	1.04*	0.88	1.11	0.98	1.13
	DATE	1/6/59	1/22/43	1/15/52	1/15/52	12/28/41	1/22/43	1/22/43	3/2/38
1 HR.	AMT.	1.04	2.17*	1.50	1.53	1.26	1.51	1.55	1.87
	DATE	12/15/57	1/22/43	2/3/31	1/22/43	12/28/41	1/22/43	1/22/43	3/2/38
2 HRS.	AMT.	1.62	2.85*	1.87	2.20	1.52	2.40	2.52	2.85
	DATE	12/15/57	1/22/43	2/3/31	1/22/43	1/6/59	1/22/43	1/22/43	3/2/38
3 HRS.	AMT.	1.75	3.51	2.29	2.58	2.13	3.06	3.35	4.34
	DATE	2/25/58	12/31/33	2/1/38	1/22/43	1/22/43	1/21/43	1/22/43	3/2/38
4 HRS.	AMT.	2.15	4.34	2.72	3.00	2.67*	3.50	4.42	5.76
	DATE	2/25/58	12/31/33	3/2/38	1/22/43	1/22/43	1/21/43	1/22/43	3/2/38
5 HRS.	AMT.	2.22	5.24	3.39	3.28	3.13*	4.00	5.35	7.00
	DATE	2/25/58	12/31/33	12/31/33	1/22/43	1/22/43	1/21/43	1/22/43	3/2/38
12 HRS.	AMT.	2.74	9.79	6.24	5.89	5.29	5.45	10.53	11.77
	DATE	1/25/58	12/31/33	12/31/33	1/21/43	12/31/33	1/21/43	1/22/43	3/2/38
24 HRS.	AMT.	3.40	13.63	9.96	10.00	8.13*	9.90	17.72	17.87*
	DATE	1/24/58	12/31/33	12/31/33	1/22/43	1/21/43	1/21/43	1/22/43	1/22/33
STORM TOTAL AUTO. GAGE	AMT.	3.83	INC.	11.29	14.06	INC.	12.88	24.38	INC.
	PERIOD	12/15-17/57	1/21-23/43	12/29/33-1/1/34	1/21-23/43	1/21-23/43	1/21-24/43	1/21-23/43	1/21-23/43
STD. GAGE	AMT.	4.01	17.38	11.35	14.20	11.31	13.09	24.59	24.80
	PERIOD	3/13-16/58	1/21-23/43	12/29/33-1/1/34	1/21-23/43	1/21-23/43	1/21-24/43	1/21-23/43	1/21-23/43

		STA. #52C WATERMAN GUARD STATION	STA. #53D COLBY'S	STA. #54C LOOMIS RANCH	STA. #57B-E OPID'S	STA. #60A HOEGEE'S	STA. #63B-E BIG SANTA ANITA DAM	STA. #68 SAWPIT DAM	STA. #69B SAWPIT HOGBACK
5 MIN.	AMT.	0.69	0.50	0.38*	1.17	0.43	0.23	0.35	0.25
	DATE	3/9/52	1/23/43	9/13/59	4/5/26	4/29/35	12/30/52	4/1/58	1/6/59
10 MIN.	AMT.	0.71	0.64	0.77*	1.18	0.52	0.35	0.40	0.45
	DATE	3/9/52	1/23/43	9/24/43	4/5/26	2/3/58	2/19/58	4/1/58	3/16/55
15 MIN.	AMT.	0.72	0.72	1.15*	1.18	0.65	0.47	0.72	0.57
	DATE	3/9/52	1/23/43	9/24/43	4/5/26	12/21/45	1/16/52	4/1/58	3/16/55
30 MIN.	AMT.	0.73	1.08	2.31*	1.52	1.06	0.74	1.00	0.84
	DATE	3/9/52	1/23/43	9/24/43	4/5/26	3/3/43	2/19/58	4/1/58	3/16/55
1 HR.	AMT.	1.28	1.80	2.70	2.21	1.70	1.18	1.27	1.28
	DATE	2/2/45	1/23/43	9/24/43	4/5/26	12/21/45	2/19/58	4/1/58	12/1/52
2 HRS.	AMT.	1.74	2.98	2.70	3.83	2.88	2.02	1.69	1.80
	DATE	12/21/45	1/22/43	9/24/43	4/5/26	3/2/38	1/15/52	12/1/52	12/1/52
3 HRS.	AMT.	2.62	4.24	2.78	4.95	4.00	2.83	2.35	2.40
	DATE	12/21/45	1/22/43	3/2/38	3/2/38	3/2/38	1/15/52	1/26/56	1/26/56
4 HRS.	AMT.	3.22	5.70	3.60	6.16	5.30	3.28	2.85	3.06
	DATE	12/21/45	1/22/43	3/2/38	3/2/38	3/2/38	1/15/52	1/26/56	1/26/56
5 HRS.	AMT.	3.65	6.80	4.20	7.24	6.48	3.63	3.30	3.58
	DATE	2/21/44	1/22/43	3/2/38	3/2/38	1/22/43	1/15/52	1/26/56	1/26/56
12 HRS.	AMT.	6.38*	12.88	7.10	13.38	13.36	6.23	6.18	8.29
	DATE	2/21/44	1/22/43	3/2/38	3/2/38	1/22/43	1/26/56	1/26/56	1/26/56
24 HRS.	AMT.	11.36*	20.23	9.44	21.68	26.12	8.05	8.20	8.43
	DATE	2/21/44	1/22/43	1/22/43	1/22/43	1/22/43	1/25/56	1/25/56	1/25/56
STORM TOTAL AUTO. GAGE	AMT.	INC.	27.40	INC.	32.15	37.42	10.30	11.23	11.65
	PERIOD	2/19-22/44	1/21-23/43	1/21-23/43	1/21-23/43	1/21-23/43	1/25-27/56	1/25-27/56	1/25-27/56
STD. GAGE	AMT.	25.20	29.00	15.47	33.95	37.34	19.80	19.51	24.00
	PERIOD	1/21-24/43	12/18-23/21	1/21-23/43	12/18-23/21	1/21-23/43	1/21-24/43	2/27/38-3/3/38	1/21-25/43

		STA. #70C ROGERS CANYON	STA. #83B BIG PINES REC. PARK	STA. #85G MT. BALDY	STA. #89B-E SAN DIMAS DAM	STA. #92 CLAREMONT POMONA COLLEGE	STA. #96B-E PUDDINGSTONE DAM	STA. #108C EL MONTE FIRE STATION	STA. #116C INGLEWOOD FIRE STATION
5 MIN.	AMT.	0.59	0.62	0.27	0.25	0.40	0.25	0.54	0.43
	DATE	1/6/59	7/24/46	11/11/44	1/11/51	12/6/46	1/6/59	5/11/57	1/6/59
10 MIN.	AMT.	0.66	1.14	0.40	0.27	0.46	0.37	0.68	0.48
	DATE	1/6/59	7/24/46	11/11/44	2/28/57	12/6/46	2/4/58	5/11/57	1/6/59
15 MIN.	AMT.	0.76	1.42	0.50	0.40	0.50	0.48	0.77	0.50
	DATE	1/6/59	7/24/46	11/11/44	1/25/54	9/29/46	1/6/59	5/11/57	1/6/59
30 MIN.	AMT.	0.96	1.43	0.92	0.51	0.72	0.73	0.89	0.62
	DATE	1/6/59	7/24/46	3/2/38	1/25/54	9/29/46	1/6/59	5/11/57	2/19/58
1 HR.	AMT.	1.30	1.66	1.78	0.95	1.00	1.03	1.08	0.88
	DATE	12/31/33	7/24/46	3/2/38	1/26/56	1/6/59	1/6/59	2/19/58	2/19/58
2 HRS.	AMT.	2.36	2.45	3.41	1.75	1.63	1.72	1.54	1.42
	DATE	12/31/33	3/2/38	3/2/38	1/26/56	1/22/43	1/26/56	1/26/56	2/19/58
3 HRS.	AMT.	3.15	3.41	4.69	2.50	2.27	2.12	2.21	1.60
	DATE	12/31/33	3/2/38	3/2/38	1/26/56	12/31/33	1/26/56	1/26/56	2/19/58
4 HRS.	AMT.	3.85	4.50	6.06	3.25	2.96	2.43	2.72	1.76
	DATE	12/31/33	3/2/38	3/2/38	1/26/56	1/22/43	1/26/56	1/26/56	2/19/58
5 HRS.	AMT.	4.51	5.00	7.02	3.95	3.25	2.75	3.15	2.02
	DATE	12/31/33	3/2/38	3/2/38	1/26/56	1/22/43	1/26/56	1/26/56	2/19/58
12 HRS.	AMT.	8.24	8.59	11.80	6.65	5.26	4.85	5.41	4.00
	DATE	12/31/33	3/2/38	1/22/43	1/26/56	1/26/56	1/26/58	1/26/56	1/26/56
24 HRS.	AMT.	11.95*	10.66	19.27	8.65	7.92	6.60	7.23	6.02
	DATE	12/31/33	3/2/38	1/22/43	1/26/56	12/31/33	1/25/56	1/26/56	1/25/56
STORM TOTAL AUTO. GAGE	AMT.	14.16*	15.86	27.45	11.63	10.70	8.57	9.18	7.68
	PERIOD	12/30/33-1/1/34	1/20-24/43	1/21-24/43	1/25-27/56	1/21-24/43	1/25-27/56	1/25-27/56	1/25-27/56
STD. GAGE	AMT.	14.17	15.94*	34.56	14.53	11.03	11.91	12.99	8.70
	PERIOD	12/30/33-1/1/34	2/19-24/44	12/18-28/21	1/21-24/43	2/10-18/27	12/30/33-1/2/34	12/30/33-1/2/34	12/27/38-3/4/38

		STA. #128 WARM SPRINGS	STA. #156 LA MIRADA STD. OIL CO.	STA. #179G BAILEY DEBRIS BASIN	STA. #191B LOS ANGELES ALCAZAR STREET	STA. #201 PUENTE HILLS ALTA MIRA RCH.	STA. #210B BRAND PARK	STA. #213 LOS ANGELES HANCOCK PARK	STA. #223B-E BIG DALTON DAM
5 MIN.	AMT.	0.15	0.32	0.88*	0.38	0.62	0.40	0.30	0.26
	DATE	2/4/58	11/15/52	3/4/43	1/6/59	1/6/59	10/18/36	11/15/52	10/20/57
10 MIN.	AMT.	0.23	0.39	1.12*	0.44	0.72	0.56	0.52	0.51
	DATE	2/4/58	11/15/52	3/4/43	1/6/59	1/6/59	10/18/36	11/15/52	10/20/57
15 MIN.	AMT.	0.35	0.43	1.40	0.48	0.84	0.62	0.62	0.55
	DATE	2/4/58	11/15/52	3/4/43	2/3/58	1/6/59	10/18/36	10/17/34	10/20/57
30 MIN.	AMT.	0.64	0.55	2.00	0.63	1.26	0.83	0.96	0.65
	DATE	2/4/58	11/15/52	3/4/43	2/3/58	1/6/59	2/23/57	10/17/34	1/6/59
1 HR.	AMT.	0.79	0.70	2.70	1.16	1.34	1.41	1.41	0.91
	DATE	2/4/58	11/15/52	3/3/43	1/26/56	1/6/59	12/31/33	10/17/34	1/6/59
2 HRS.	AMT.	1.09	0.88	3.16	1.87	1.45	2.62	1.69	1.46
	DATE	12/15/57	2/13/54	3/3/43	1/26/56	1/6/59	12/31/33	3/2/38	1/26/56
3 HRS.	AMT.	1.63	1.21	3.31	2.22	1.81	3.68	2.15	2.07
	DATE	2/4/58	2/13/54	3/3/43	1/26/56	2/22/44	12/31/33	3/2/38	1/26/56
4 HRS.	AMT.	1.85	1.49	3.95*	2.59	2.15	4.30	2.61	2.87
	DATE	1/13/57	3/7/52	1/22/43	1/26/56	1/26/56	12/31/33	3/2/38	1/26/56
5 HRS.	AMT.	2.20	1.73	4.53*	2.83	2.68	5.02	3.13	3.43
	DATE	1/13/57	3/7/52	1/22/43	1/26/56	1/26/56	12/31/33	3/2/38	1/26/56
12 HRS.	AMT.	4.19	2.89	8.43*	4.81	5.42	10.03	4.45	5.68
	DATE	1/13/57	3/6/52	1/22/43	1/26/56	1/26/56	12/31/33	3/2/38	1/26/56
24 HRS.	AMT.	5.23	5.05	14.30*	6.17	7.66	12.56	6.86	7.83
	DATE	12/15/57	1/25/56	1/22/43	1/25/56	1/25/56	12/31/33	12/31/33	1/25/56
STORM TOTAL AUTO. GAGE	AMT.	6.45	7.15	INC.	7.78	10.20	INC.	7.80	10.85
	PERIOD	12/15-17/57	1/25-27/56	1/21-23/43	1/25-27/56	1/25-27/56	12/29/33-1/1/34	12/30/33-1/1/34	1/25-27/56
STD. GAGE	AMT.	6.45	7.31	20.02	8.85	11.76*	13.88	7.95	11.03
		12/15-17/57	2/27/38-3/4/38	1/21-23/43	1/25-27/56	2/27/38-3/3/38	12/29/33-1/1/34	1/25-27/56	1/25-27/56

		STA. #228B BEVERLY HILLS	STA. #235B HENNINGER FLAT	STA. #250D ACTON CAMP	STA. #259C CHATSWORTH PATROL STATION	STA. #261B-E ACTON ESCONDIDO CN.	STA. #280B FLINTRIDGE FIRE STATION	STA. #283B CRYSTAL LAKE E. PINE FLAT	STA. #291 LOS ANGELES 96TH-CENTRAL
5 MIN.	AMT.	0.37	0.50	0.31	0.43	0.29	0.52	0.52	0.39
	DATE	12/23/40	2/20/41	10/24/58	12/28/41	8/26/35	3/4/43	3/2/38	3/2/38
10 MIN.	AMT.	0.48	0.59	0.57	0.51	0.41	0.54	0.65	0.45
	DATE	12/23/40	2/20/41	10/24/58	8/18/45	8/26/35	3/4/43	9/20/39	1/5/35
15 MIN.	AMT.	0.61	0.75	0.71	0.65	0.44	0.61	0.88	0.48
	DATE	2/23/57	1/22/43	10/24/58	8/18/45	8/26/35	2/14/41	9/20/39	1/5/35
30 MIN.	AMT.	1.15	1.18	0.89	1.10	0.66	0.84	1.10	0.75
	DATE	2/23/57	1/22/43	10/24/58	8/18/45	7/24/46	1/1/34	9/20/39	11/16/34
1 HR.	AMT.	1.59	1.74	0.93	1.40	0.93*	1.36	1.69	1.15
	DATE	2/23/57	1/22/43	10/24/58	8/18/45	8/24/35	1/1/34	3/2/38	12/23/40
2 HRS.	AMT.	2.43	2.54	1.01	1.86	1.48*	2.47	3.25	1.83
	DATE	2/13/54	1/22/43	10/24/58	1/21/43	8/24/35	12/31/33	3/2/38	11/15/34
3 HRS.	AMT.	3.12	3.23	1.12	2.48	1.48*	3.27	4.60	2.21
	DATE	2/13/54	1/22/43	1/12/57	1/21/43	8/24/35	12/31/33	3/2/38	11/15/34
4 HRS.	AMT.	3.65	3.97	1.30	2.83	1.57	4.00	5.95	2.63
	DATE	2/13/54	1/22/43	1/12/57	1/21/43	1/22/43	12/31/33	3/2/38	12/23/40
5 HRS.	AMT.	3.96	4.58	1.45	3.08	1.82	4.68	6.79	2.95
	DATE	2/13/54	1/22/43	1/12/57	1/21/43	1/22/43	12/31/33	3/2/38	12/23/40
12 HRS.	AMT.	5.31	7.93	2.23	4.64*	3.14	9.34	11.68	5.17
	DATE	3/1/38	1/21/43	1/12/57	3/2/38	1/22/43	12/31/33	1/22/43	9/24/39
24 HRS.	AMT.	8.46	14.96	2.23	8.41*	4.44	13.24	18.64	5.94
	DATE	12/31/33	1/22/43	1/12/57	1/21/43	1/22/43	12/31/33	1/22/43	9/24/39
STORM TOTAL AUTO. GAGE	AMT.	9.86	19.67	2.33	11.89*	6.45	INC.	28.11	8.15
	PERIOD	12/30/33-1/1/34	1/20-23/43	1/12-13/57	1/21-24/43	1/21-23/43	1/21-24/43	1/20-24/43	1/25-27/56
STD. GAGE	AMT.	9.24	20.12	2.25	16.29	6.69	15.40	28.58	7.88
		1/25-27/56	1/20-23/43	1/12-13/57	12/31/33-1/2/34	12/18-27/21	1/21-24/43	1/20-24/43	1/25-27/56

		STA. #303F PASADENA CAL TECH	STA. #334B-E COGSWELL DAM	STA. #338B MT. WILSON AIRWAY STA.	STA. #352B LECHUSA PATROL STA.	STA. #356B SPADRA PACIFIC COLONY	STA. #367 HAINES CANYON UPPER	STA. #372 SAN FRANCISQUITO P.H. #2	STA. #373B BRIGGS TERRACE
5 MIN.	AMT.	0.32	0.41	0.40	0.35	0.30	0.67	0.36	0.26
	DATE	3/3/43	1/6/59	4/8/59	12/18/40	1/25/54	1/8/40	4/26/47	10/18/36
10 MIN.	AMT.	0.47	0.58	0.50	0.50	0.48	0.82	0.50	0.39
	DATE	2/23/57	3/4/43	3/2/38	12/18/40	1/25/54	1/8/40	4/26/47	1/22/43
15 MIN.	AMT.	0.62	0.78	0.62	0.70	0.63	0.94	0.70	0.56
	DATE	2/23/57	3/4/43	3/2/38	12/18/40	1/25/54	1/8/40	4/26/47	1/22/43
30 MIN.	AMT.	1.08	1.25	0.96*	1.05	0.90	1.16	1.00	0.87
	DATE	3/3/43	3/4/43	2/22/44	12/18/40	1/25/54	1/8/40	4/26/47	1/22/43
1 HR.	AMT.	1.70	1.72	1.32	1.48	1.06	1.54	1.26	1.49
	DATE	3/3/43	1/22/43	3/2/38	11/14/52	1/25/54	1/22/43	4/26/47	1/22/43
2 HRS.	AMT.	2.36	2.95	2.36	2.20	1.28	2.57	1.38	2.56
	DATE	3/3/43	1/22/43	3/2/38	1/21/43	1/25/54	1/21/43	4/26/47	1/22/43
3 HRS.	AMT.	3.02	4.04	3.30	2.64	1.55	3.39	1.41	3.51
	DATE	12/31/33	1/22/43	3/2/38	1/21/43	3/8/52	3/2/38	12/15/57	1/22/43
4 HRS.	AMT.	3.80	5.28*	4.33	3.03	1.87	4.39	1.77	4.47
	DATE	12/31/33	3/2/38	3/2/38	1/21/43	3/8/52	1/22/43	12/15/57	1/22/43
5 HRS.	AMT.	4.55	6.17*	5.44	3.28	2.22	5.46	2.07	5.12
	DATE	12/31/33	3/2/38	3/2/38	1/21/43	3/8/52	1/22/43	12/15/57	1/22/43
12 HRS.	AMT.	7.98	12.43	10.44	6.92	4.06	11.64	2.86	8.45
	DATE	12/31/33	1/22/43	3/2/38	1/21/43	1/22/43	1/22/43	12/21/45	1/21/43
24 HRS.	AMT.	11.26*	23.12	16.80	9.85	6.16	18.57	4.20	14.53
	DATE	12/31/33	1/22/43	1/22/43	1/21/43	1/22/43	1/21/43	12/15/57	1/22/43
STORM TOTAL AUTO. GAGE	AMT.	13.64	32.59	23.81	13.40	8.69	25.65	6.19	20.07
	PERIOD	1/21-23/43	1/21-23/43	1/20-24/43	1/21-23/43	1/21-24/43	1/21-24/43	12/20-23/45	1/21-24/43
STD. GAGE	AMT.	13.86	30.15	24.00	13.56	8.71	25.67	10.07	20.79
	PERIOD	1/21-23/43	1/21-23/43	1/26-24/43	1/21-23/43	1/21-24/43	1/21-24/43	1/22-23/43	1/21-24/43

		STA. #379B SAN GABRIEL EAST FORK	STA. #380 EL SERENO	STA. #402C CEDAR SPRINGS	STA. #415 SIGNAL HILL CITY HALL	STA. #425B-E SAN GABRIEL DAM	STA. #433C FAIR OAKS DEBRIS BASIN	STA. #434 MALIBU DIV. HDQ.	STA. #435 MONTE NIDO
5 MIN	AMT.	0.27	0.30	0.19	0.46	0.60	0.36	0.32	0.28
	DATE	1/25/54	3/3/43	8/9/42	11/15/52	4/5/26	2/11/59	11/13/46	11/15/52
10 MIN.	AMT.	0.38	0.47	0.32	0.57	0.62	0.50	0.60	0.43*
	DATE	1/25/54	3/3/43	8/9/42	11/15/52	4/5/26	2/11/59	11/13/46	12/15/57
15 MIN.	AMT.	0.48	0.61	0.35	0.61	0.68	0.78	0.85	0.60*
	DATE	1/25/54	3/3/43	12/15/57	1/23/40	9/24/39	2/3/58	11/13/46	12/15/57
30 MIN.	AMT.	0.72	1.12	0.55	0.84	0.96	0.99	1.33	0.88*
	DATE	1/25/54	3/3/43	12/15/57	11/12/46	4/5/26	2/3/58	11/13/46	12/15/57
1 HR.	AMT.	0.90	1.74	0.97	1.20	1.25	1.53	1.71	1.10*
	DATE	1/16/52	3/3/43	12/15/57	1/23/40	1/22/43	2/3/58	11/13/46	12/15/57
2 HRS.	AMT.	1.56	2.34	1.67	2.18	2.34	2.05	2.04	2.05*
	DATE	1/15/52	3/3/43	4/3/58	2/22/44	1/22/43	2/3/58	11/13/46	12/15/57
3 HRS.	AMT.	2.02	2.47	2.48	2.53	3.28	2.34	2.25	2.21*
	DATE	1/15/52	3/3/43	12/15/57	2/22/44	1/22/43	2/3/58	11/13/46	12/15/57
4 HRS.	AMT.	2.40	2.49	3.20	2.68	4.32	3.06	2.51	2.53
	DATE	1/15/52	3/3/43	4/3/58	2/22/44	1/22/43	1/22/43	11/13/46	1/15/52
5 HRS.	AMT.	2.79	3.10	3.66	3.02	5.30	3.68	2.74	2.98
	DATE	4/3/58	1/26/56	4/3/58	9/25/39	1/22/43	1/22/43	11/13/46	1/15/52
12 HRS.	AMT.	4.37	5.18	7.55	4.92	10.35	6.68	4.09	5.57
	DATE	1/15/52	3/2/38	12/15/57	9/24/39	1/22/43	1/21/43	1/15/52	1/15/52
24 HRS.	AMT.	6.28	7.97	9.69	5.66	17.81	11.18*	5.24	6.75
	DATE	1/25/56	1/21/43	12/15/57	9/24/39	1/22/43	1/22/43	3/14/52	1/15/52
STORM TOTAL AUTO. GAGE	AMT.	8.75	10.90*	19.56	7.00	24.07	INC.	INC.	11.55
	PERIOD	1/25-27/56	1/21-23/43	1/20-24/43	1/25-27/56	1/21-23/43	1/21-23/43	2/19-24/44	1/14-18/52
STD. GAGE	AMT.	24.00	10.87	29.73	7.00	25.08	15.40	15.37	15.24
	PERIOD	1/21-24/43	1/21-23/43	1/20-24/43	1/25-27/56	12/17-22/21	1/21-23/43	1/21-23/43	1/21-27/43

		STA. #443B LATIGO CN.	STA. #444C ROLLING HILLS PALOS VERDES	STA. #445B LIVE OAK DAM	STA. #446 ALISO CN. SANTA SUSANA MTS.	STA. #449B EATON DAM	STA. #451B CASTAIC	STA. #453B DEVILS GATE DAM	STA. #466B PACOIMA CANYON DUTCH LOUIE CN.
5 MIN.	AMT.	0.19	0.30	0.37	0.63	0.25	0.13	0.32	0.31
	DATE	12/16/57	11/15/52	11/11/44	12/21/45	1/16/52	10/24/58	2/23/57	11/11/44
10 MIN.	AMT.	0.25	0.34	0.53	0.66	0.42	0.25	0.50	0.41
	DATE	12/16/57	2/21/59	11/11/44	12/21/45	1/16/52	10/24/58	1/6/59	11/11/44
15 MIN.	AMT.	0.37	0.38	0.58	0.68	0.54	0.39	0.55	0.50
	DATE	12/16/57	11/15/52	11/11/44	12/21/45	1/16/52	10/24/58	1/6/59	11/11/44
30 MIN.	AMT.	0.57	0.49	0.63	0.73	0.78	0.54	0.72	0.79
	DATE	12/16/57	11/15/52	1/6/59	12/21/45	1/16/52	10/24/58	2/3/58	2/2/45
1 HR.	AMT.	1.00	0.78	0.97	1.16	1.09	0.61	0.95	1.11
	DATE	2/25/58	12/16/46	1/22/43	1/21/43	1/15/52	10/24/58	2/23/57	1/22/43
2 HRS.	AMT.	1.83	1.12	1.74	1.96	1.82	0.73	1.51	2.00
	DATE	2/25/58	1/25/56	1/22/43	1/21/43	1/15/52	1/6/59	2/23/57	1/22/43
3 HRS.	AMT.	2.46	1.55	2.48	2.54	2.49	0.97	2.03	2.71
	DATE	2/25/58	2/19/58	1/22/43	1/21/43	1/15/52	1/5/59	2/23/57	1/21/43
4 HRS.	AMT.	3.05	1.96	3.21	2.96	2.97	1.12	2.42	3.33
	DATE	2/25/58	2/19/58	1/22/43	1/21/43	1/15/52	1/5/59	2/23/57	1/21/43
5 HRS.	AMT.	3.35	2.35	3.87	3.31	3.37	1.27	2.55	3.90
	DATE	2/25/58	1/26/56	1/22/43	1/21/43	1/15/52	1/5/59	2/23/57	1/21/43
12 HRS.	AMT.	4.22	4.22	5.32	4.96	4.98	2.28	4.48	6.02
	DATE	1/25/58	1/26/56	1/21/43	1/21/43	1/26/56	12/15/57	1/26/56	1/21/43
24 HRS.	AMT.	4.43	6.56	9.14*	9.40	6.51	2.89	6.54	11.00
	DATE	1/25/58	1/25/56	1/22/43	1/21/43	1/25/56	12/15/57	1/25/56	1/21/43
STORM TOTAL AUTO. GAGE	AMT.	5.69	8.20	INC.	13.12	9.61	3.73	8.50	INC.
	PERIOD	12/15-17/58	1/25-27/56	1/21-24/43	1/21-23/43	1/15-18/52	12/15-17/57	1/25-27/56	1/21-24/43
STD. GAGE	AMT.	5.81	8.19	13.30	13.65	15.88	3.75	8.32	15.50
	PERIOD	12/15-17/58	1/25-27/56	1/21-24/43	1/21-23/43	1/21-24/43	12/15-17/57	1/25-27/56	1/21-24/43

		STA. #470 TUJUNGA MILL CREEK	STA. #477C SANTA ANITA SPRING CAMP	STA. #486B COLD WATER CN. WIDMAN RANCH	STA. #492 CHILAO	STA. #493B SAND CANYON	STA. #517B ANDERSEN RCH. PALLETT CREEK	STA. #715B LOS ANGELES	STA. #1006 SAN PEDRO CITY RESERVOIR
5 MIN.	AMT.	0.34	0.80	0.60	0.29	0.28	0.30	0.44	0.56
	DATE	8/2/45	1/6/59	7/27/56	10/8/45	10/11/57	7/18/46	1/14/08	12/5/47
10 MIN.	AMT.	0.43	0.96	0.95	0.34	0.41	0.50	0.66	0.74
	DATE	8/2/45	1/6/59	7/27/56	10/8/45	10/11/57	7/18/46	2/18/14	12/5/47
15 MIN.	AMT.	0.53	1.22	1.05	0.40	0.58	0.73	0.81	0.84
	DATE	8/2/45	3/4/43	7/27/56	10/8/45	10/11/57	7/18/46	2/18/14	12/5/47
30 MIN.	AMT.	0.77	1.57	1.17	0.55	0.82	1.23	1.12	0.98
	DATE	9/2/45	3/4/43	7/27/56	11/11/44	10/11/57	7/18/46	2/18/14	12/5/47
1 HR.	AMT.	0.85	1.74*	1.17	0.79	1.11	1.78	1.51	1.08
	DATE	9/2/45	1/22/43	7/27/56	3/30/46	10/11/57	7/18/46	2/18/14	12/5/47
2 HRS.	AMT.	0.90	2.90	1.45	1.23	1.56	2.26	1.99	1.21
	DATE	9/2/45	1/22/43	12/22/45	1/12/57	1/6/59	7/18/46	2/18/14	12/5/47
3 HRS.	AMT.	1.08	4.03	1.77	1.73	1.86	2.26	2.28	1.47
	DATE	11/13/46	1/22/43	12/21/45	1/12/57	4/3/58	7/18/46	2/18/14	1/26/56
4 HRS.	AMT.	1.28	5.17	2.14	2.12	2.20	2.27	2.71	1.96
	DATE	11/13/46	1/22/43	1/19/54	1/12/57	4/3/58	7/18/46	1/26/56	1/26/56
5 HRS.	AMT.	1.50	6.26	2.64	2.38	2.34	2.32	3.06	2.18
	DATE	1/17/52	1/22/43	1/19/54	1/12/57	4/3/58	1/5/59	3/2/38	1/26/56
12 HRS.	AMT.	3.18	12.75*	4.63	3.89	3.85	4.12	5.02*	3.12
	DATE	1/17/52	1/22/43	11/11/44	1/12/57	3/31/58	1/26/56	1/26/56	2/19/58
24 HRS.	AMT.	4.51	23.50*	7.96	5.90	4.32	6.00	7.36	5.40
	DATE	1/25/56	1/22/43	2/21/44	3/29/46	12/15/57	1/25/56	12/31/33	1/25/56
STORM TOTAL AUTO. GAGE	AMT.	INC.	INC.	11.86	8.03	7.90	6.78	8.31*	7.32
	PERIOD	2/19-27/44	1/21-24/43	12/20-23/45	12/20-23/45	3/30-4/4/58	1/25-27/56	1/25-27/56	1/25-27/56
STD. GAGE	AMT.	11.13	33.00	12.03	9.21	7.95	14.56	9.67	7.20
	PERIOD	2/19-27/44	1/21-24/43	12/20-23/45	11/10-14/46	3/30-4/4/58	1/21-23/43	3/2-10/84	1/25-27/56

		STA. #1008-E LA FRESA S.C.E. CO.	STA. #1010B PALMER CANYON	STA. #1013B TUJUNGA CN. GOLD CREEK	STA. #1014B-E RIO HONDO SPRDG. GRDS.	STA. #1017 LITTLE ROCK SANTIAGO CREEK	STA. #1035 WHITTIER WOOD	STA. #1037-E ARCADIA ARBORETUM	STA. #1060 LITTLE ROCK-SYCAMORE CAMP
5 MIN.	AMT.	0.40	0.30	0.26	0.44	0.13	0.32	0.30	0.27
	DATE	1/6/59	4/7/52	12/1/52	1/6/59	7/17/51	1/6/59	2/19/58	11/11/54
10 MIN.	AMT.	0.50	0.35	0.37	0.68	0.15	0.52	0.50	0.35
	DATE	1/6/59	12/17/57	1/6/59	1/6/59	11/11/54	1/6/59	2/19/58	11/11/54
15 MIN.	AMT.	0.57	0.44	0.45	0.86	0.17	0.71	0.75	0.40
	DATE	1/6/59	10/30/48	1/6/59	1/6/59	7/19/51	1/6/59	2/19/58	11/11/54
30 MIN.	AMT.	0.67	0.61	0.67	1.04	0.29	0.94	1.00	0.47
	DATE	1/6/59	10/30/48	1/6/59	1/6/59	7/19/51	1/6/59	2/19/58	11/11/54
1 HR.	AMT.	0.77	0.91	0.89	1.08	0.44	1.12	1.39	0.64
	DATE	1/29/51	1/26/56	1/6/59	1/6/59	11/15/52	1/6/59	2/19/58	11/11/54
2 HRS.	AMT.	1.15	1.61	1.37	1.23	0.66	1.23	2.08	0.82
	DATE	1/29/51	1/26/56	1/6/59	12/5/47	11/15/52	2/13/54	2/19/58	1/12/57
3 HRS.	AMT.	1.48	2.17	1.83	1.56	0.94	1.58	2.58	1.20
	DATE	1/26/56	1/26/56	1/6/59	2/13/54	1/12/57	2/13/54	2/19/58	1/12/57
4 HRS.	AMT.	1.93	2.73	2.19	1.76	1.19	1.93	3.08	1.50
	DATE	1/26/56	1/26/56	1/6/59	2/13/54	1/12/57	2/13/54	1/26/56	1/12/57
5 HRS.	AMT.	2.50	3.29	2.54	2.03	1.32	2.16	3.48	1.63
	DATE	1/26/56	1/26/56	1/5/59	2/13/54	1/12/57	2/13/54	1/26/56	1/12/57
12 HRS.	AMT.	4.15	6.01	3.62	3.35*	1.85	3.42	5.84	3.38
	DATE	1/25/56	1/26/56	3/6/52	2/19/58	1/15/52	1/26/56	1/26/56	1/26/56
24 HRS.	AMT.	7.42	8.19	4.70	3.78	3.05	6.02	7.60	4.83
	DATE	1/25/56	1/26/56	1/25/56	1/17/52	1/25/56	1/25/56	1/25/56	1/25/56
STORM TOTAL AUTO. GAGE	AMT.	8.13	10.94	INC.	INC.	3.40	7.86	9.59	6.15
	PERIOD	1/25-27/56	1/25-27/56	1/25-27/56	1/25-27/56	1/25-27/56	1/25-27/56	1/25-27/56	1/25-27/56
STD. GAGE	AMT.	8.91	10.96	6.24	7.35	3.41	7.95	9.59	INC.
	PERIOD	1/25-27/56	1/25-27/56	1/25-27/56	1/25-27/56	1/25-27/56	1/25-27/56	1/25-27/56	1/25-27/56

		STA. #1062 BUCKHORN FLAT	STA. #1074 LITTLE GLEASON	STA. #1078 COVINA GRIFFITH	STA. #1080B BRADBURY DEBRIS BASIN	STA. #1088B LA HABRA HEIGHTS	STA. #1107C LA TUNA CN.	STA. #1108 ANAVERDE VALLEY	STA. #X6 ENCINO
5 MIN.	AMT.	0.25	0.18*	0.30	0.44	0.25	0.25	0.10	0.29
	DATE	1/26/56	1/12/57	1/6/59	1/6/59	3/22/58	2/4/58	1/6/59	12/21/45
10 MIN.	AMT.	0.38	0.23*	0.50	0.67	0.34	0.50	0.20	0.42
	DATE	1/26/56	1/12/57	1/6/59	1/6/59	2/3/58	2/4/58	1/6/59	12/21/45
15 MIN.	AMT.	0.43	0.35*	0.63	0.70	0.39*	0.52	0.25	0.56
	DATE	12/15/57	1/12/57	1/6/59	1/6/59	3/6/58	2/4/58	1/6/59	12/21/45
30 MIN.	AMT.	0.62	0.62*	0.90	0.82	0.44	0.53	0.39	0.84
	DATE	12/15/57	1/12/57	1/6/59	1/6/59	2/11/59	2/4/58	1/6/59	12/21/45
1 HR.	AMT.	1.12	1.09*	1.15	0.90	0.66*	0.70	0.50	1.15
	DATE	12/15/57	1/12/57	1/6/59	1/6/59	2/25/58	1/6/59	1/6/59	12/21/45
2 HRS.	AMT.	2.00	1.94*	1.28	1.63	1.11*	1.07	0.72	1.68
	DATE	12/15/57	1/12/57	1/6/59	1/26/56	2/25/58	1/6/59	1/6/59	12/21/45
3 HRS.	AMT.	2.57	3.04*	1.60	2.20	1.60*	1.40	0.90	2.19
	DATE	12/15/57	1/12/57	1/26/56	1/26/56	2/25/58	1/6/59	1/6/59	12/21/45
4 HRS.	AMT.	3.05	3.78*	2.06	2.95	2.25*	1.62	1.00	2.73
	DATE	12/15/57	1/12/57	1/26/56	1/26/56	2/25/58	1/6/59	1/6/59	3/15/52
5 HRS.	AMT.	3.67	4.66*	2.48	3.44	2.58*	2.00	1.19	3.16
	DATE	12/15/57	1/12/57	1/26/56	1/26/56	2/25/58	1/5/59	1/5/59	3/15/52
12 HRS.	AMT.	6.35	6.22*	4.51	5.81	3.67	3.06	1.62*	5.53
	DATE	12/15/57	1/12/57	1/26/56	1/26/56	1/26/56	1/26/56	1/12/57	1/15/52
24 HRS.	AMT.	8.56	9.16*	6.38	7.60	5.70	4.65	1.75	7.20
	DATE	12/15/57	1/12/57	1/25/56	1/25/56	1/25/56	1/25/56	1/12/57	1/15/52
STORM TOTAL AUTO. GAGE	AMT.	10.27	9.24*	8.20	9.87	7.94	5.75	INC.	8.15
	PERIOD	12/15-17/57	1/12-13/57	1/25-27/56	1/25-27/56	1/25-27/56	1/25-27/56	2/10-11/59	12/20-23/45
STD. GAGE	AMT.	10.37	9.18	INC.	9.68	8.90	5.93	1.83	8.21
	PERIOD	12/15-17/57	1/12-13/57	1/25-27/56	1/25-27/56	1/25-27/56	1/25-27/56	2/10-11/59	12/20-23/45

LEGEND

* INDICATES INTERPOLATED VALUE FROM NEARBY STATION
DATE INDICATES BEGINNING OF PERIOD
INC. INDICATES INCOMPLETE RECORD

NOTE: ELEVATION, TYPE AND CAPACITY, PERIOD OF RECORD FOR EACH AUTOMATIC RAIN GAGE, AND WATERSHED FOR EACH STATION IS SHOWN IN TABLE I.

TABLE IV

SEASONAL 1957-58 DAILY RAINFALL FOR SELECTED STATIONS

RAINFALL RECORDS IN INCHES

OCTOBER

STA. NO.	STATION		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
6	TOPANGA	E											.50		.06	.65																		1.27
15	VAN NUYS	B											.59	.06		.50							.18										.06	1.27
32C	NEWHALL	C											1.10	.10		.29						.30	.30										.11	1.44
33A'E	PACOIMA DAM	E											1.07	.01	.12	.51						.12	.28										.19	2.28
57B-E	OPID'S	E											1.75		.10	.61				.14		.21	.47					.05					.14	2.25
85F	MT. BALDY	B											.52	.26	1.30	.86							.76						.15		.04		.33	3.66
106C	WHITTIER	E											.47		.04	.56							.20										.48	4.37
130B	SANDBERG'S	C												.28		.08							.18					.05					T	.59
185	GLENDORA	E											1.67	.14	.10	.57	.01					.03	.30					.04			T	T	.41	3.28
241B	LONG BEACH	A			T								.57		.02	.56	T												T	T	T		.20	1.35
256B	POMONA	E											1.00			.62							.15							.07			.41	2.25
283B	CRYSTAL LAKE	E											1.86	.07	.18	.98						.29	.74					.81					1.03	5.96
321-E	PINE CANYON	C											.43	.09	.05	.06				.11		.63						.03	.03				.07	1.50
425B-E	SAN GABRIEL DAM	E			T								1.70	.05	.06	.56						.18	.27					.06					.52	3.40
440B	CHILAO	B											1.77		.09	.44					.01	.01	.61	.13				-					.39	3.45
455	LANCASTER	E											.75		.10							.36	.05					.04					.28	1.58
478	VALYERMO	E											.50		.03	.12							.06					.06	.12		.02		.70	1.61
577F	LOS ANGELES	F											.34		.51	.10						.45						T				.02	.09	1.51
610B	PASADENA	E											.51		.15	.57					.01	.02	.42					.01					.28	1.97
634B	SANTA MONICA	D											.66			.62							.25					T					.05	1.58

NOVEMBER

STA. NO.	STATION		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	TOTAL
6	TOPANGA	E		.10	.26		.20	.02																									.58
15	VAN NUYS	B	.01		.25	T		.06										.01															.33
32C	NEWHALL	C		.10	.23	.01																											.34
33A'E	PACOIMA DAM	E		.09	.63													T															.72
57B-E	OPID'S	E		.46	1.56	.13																											2.15
85F	MT. BALDY	B	.02		2.00	.20	.13		.03										.03														2.41
106C	WHITTIER	E		.35		.18	.11																										.64
130B	SANDBERG'S	C			.53								.02			T			.07														.62
185	GLENDORA	E	T	.15	.39	.04	.04										T	T															.62
241B	LONG BEACH	A			.56	.06	.10										T		T														.72
256B	POMONA	E		.05		.71	.02																										.78
283B	CRYSTAL LAKE	E			1.73	.30*	.06*											.04															2.13**
321-E	PINE CANYON	C	.01	.01	.54	T													.04														.60
425B-E	SAN GABRIEL DAM	E		.30	.59	.06	.07											.01															1.03
440B	CHILAO	B	.03	.01		1.09													.08														1.21
455	LANCASTER	E			.27		.30												.02														.59
478	VALYERMO	E			.22	.02	.10	.01										T	.06														.41
577F	LOS ANGELES	F		.35	.02		.14									T		T															.51
610B	PASADENA	E	.01	.06	.45	T	.17																										.69
634B	SANTA MONICA	D			.26			.09																									.35

DECEMBER

STA. NO.	STATION		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
6	TOPANGA	E					2.00	.01									2.69	1.07	1.15															6.92
15	VAN NUYS	B					.74	.40									.59	1.15	.61															3.49
32C	NEWHALL	C					.66										3.31	2.35	.75															7.07
33A'E	PACOIMA DAM	E					1.01										1.63	.61	1.23															4.48
57B-E	OPID'S	E					3.01										3.31	4.21	1.41	.02														11.96
85F	MT. BALDY	B					2.15	.32									2.85	3.53	2.11															10.96
106C	WHITTIER	E					1.08										.89	.07	.63															2.67
130B	SANDBERG'S	C					.66	.20										3.97	.70	.05														5.58
185	GLENDORA	E					1.55										2.10	1.14	1.10															5.89
241B	LONG BEACH	A					.63	.51									.93	.47	.43		.01													2.98
256B	POMONA	E					1.30											3.67	.65															5.62
283B	CRYSTAL LAKE	E					2.72										1.68	5.22	4.85															14.47
321-E	PINE CANYON	C					.69	.05									3.75	1.73	.70															6.92
425B-E	SAN GABRIEL DAM	E					1.92										2.80	2.61	1.69															9.02
440B	CHILAO	B					1.27	.33									3.20	2.31	.97															8.08
455	LANCASTER	E																.93	.37															1.30
478	VALYERMO	E					.36										1.25	.27	.23															2.11
577F	LOS ANGELES	F				.24	.68										.75	.31	.16	T														2.14
610B	PASADENA	E					1.48	.01									1.01	.46	.80	T														3.76
634B	SANTA MONICA	D					1.49											1.34	.32															3.15

JANUARY

STA. NO.	STATION		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
6	TOPANGA	E										.25														.05	.62	3.82				.05		4.79
15	VAN NUYS	B										.06															.23	.85	.09			.14		1.37
32C	NEWHALL	C										.10														.01	.06	1.60				.03		1.80
33A'E	PACOIMA DAM	E										.12														.03	.15	2.16				.07		2.53
57B-E	OPID'S	E										.17														.25	1.07	3.99				.08		5.56
85F	MT. BALDY	B										.12															.15	4.06	.22			.03		4.58
106C	WHITTIER	E										.14															.08	1.46				.12		1.80
130B	SANDBERG'S	C																										.74	.08			.10		.92
185	GLENDORA	E										.03														.03	.10	2.85	.01			.05		3.07
241B	LONG BEACH	A										.04															.40	1.20	.07			.05	.04	1.80
256B	POMONA	E										.05														T	.22	1.96				.03		2.26
283B	CRYSTAL LAKE	E										.62															.10	3.20	.13					4.05
321-E	PINE CANYON	C										.07														T	.12	1.62				.09		1.90
425B-E	SAN GABRIEL DAM	E										.08														.02	.15	3.85				.02		4.12
440B	CHILAO	B										.16															.10	1.67	.03			.04		2.00
455	LANCASTER	E										.04														T	.68					.04		.76
478	VALYERMO	E																									.38							.38
577F	LOS ANGELES	F										.03														.18	1.26	.53			.08			2.08
610B	PASADENA	E										.03														.07	.11	2.25				.10		2.56
634B	SANTA MONICA	D										T														T		2.12				.07		2.19

SEASONAL 1967-68 DAILY RAINFALL FOR SELECTED STATIONS

RAINFALL RECORDS IN INCHES

FEBRUARY

STA. NO.	STATION		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	TOTAL
6	TOPANGA	E		.51	1.99	2.15	.05					.10									4.10						3.00			.10		12.00
15	VAN NUYS	B		1.39	2.03	.22					.08										1.87	.77					.74					7.10
32C	NEWHALL	C			1.92	2.45								.05	.04						2.78	.28					1.36					8.88
33'A'E	PACOIMA DAM	E		.20	1.59	2.45	.02			.07				.05	.05						1.97						1.14					7.54
57B-E	OPID'S	E		.18	5.67	6.15	.24			.12				.03							3.10						1.48					16.97
85F	MT. BALDY	B			2.00	3.80	2.00							.06	.03						1.40	1.85					1.11	.44				12.69
106C	WHITTIER	E		.15	.70	1.35	.10							.12	.02						2.03						1.32					5.79
130B	SANDBERG'S	C			1.74	1.97	.52					.05			.08							2.75					.48	.50		.08		8.17
185	GLENDORA	E		.10	1.18	2.78	.10			.04				.03	.06						1.90						1.17					7.36
241B	LONG BEACH	A			.49	.85	.25				T				.11						2.20	.74					.97					5.61
256B	POMONA	E			2.08	3.04	.07								.08						1.83						1.22					8.32
283B	CRYSTAL LAKE	E			2.90	4.20	1.70				.16									1.34	2.37						1.43					14.15
321-E	PINE CANYON	C		.20	1.24	2.93	.03				.10			.05							2.20	.09	.10				1.32	.12				8.38
425B-E	SAN GABRIEL DAM	E		.06	2.05	2.95	.15			.01				.02							3.24						1.73					10.21
440B	CHILAO	B			2.17	2.99	1.10			.03					.08						.87	2.17					1.18	.42				11.01
455	LANCASTER	E			.68	.80	.03			.04				.03								1.33	.02				.16					3.09
478	VALYERMO	E			.42	1.06								.03							2.36						.42		.06			4.35
577F	LOS ANGELES	F		.41	1.21	1.10	T			.08				.04						T	2.32						1.30		T			6.46
610B	PASADENA	E		.06	2.75	2.78	.04			.05				.01	.12						2.94	.31					.98					10.05
634B	SANTA MONICA	D			1.69		1.49							.07							2.65						1.77					7.67

MARCH

STA. NO.	STATION		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
6	TOPANGA	E	.23					.29					.29		.11	1.17	1.33	2.57	.10			.32	.65	.71	.07				1.19	.05		.39	.13	9.60
15	VAN NUYS	B						.01	.05				.06		.18	.20	.28	1.44	.12	.01			.54	.76	.14	T			.07	.80				4.66
32C	NEWHALL	C						.20					.29			.67	.52	.68	.03			.15	.47	.74	.02	.01			.98	.02		.04	.14	4.96
33A'E	PACOIMA DAM	E						.27	.02				.34		.05	.50	.62	.87	.06			.18	.45	1.65	.01				.70	.03		.17	.21	6.13
57B-E	OPID'S	E						1.38	.17				.38	.32	.64	.12	1.09	3.27	.18			.26	.74	1.42					1.31	.28		.14	.43	12.13
85F	MT. BALDY	B	.35					.21	1.30	.06			.58	.14	.38	.08	.02	3.50	.12				.90	.98						1.05			.05	9.72
106C	WHITTIER	E						.38					.16	.02	.01	.02	.35	1.60				.18	.62	.64					.87				.27	5.12
130B	SANDBERG'S	C						.05					.65			.15	.54			.35			.31	.84					.86					3.75
185	GLENDORA	E	.29					1.00	.03				.20	.29	.04		.63	2.37	.27			.16	.65	.85					.98	.04		.02	.33	8.15
241B	LONG BEACH	A				T		T	.18				.18	.06	.02	.01	.15	2.32	T	T			.95	.12		.01	.02			.56			.02	4.60
256B	POMONA	E	.42					.78	.03				.16	.34			.41	1.58	.02			.13	.53	.92					.84				.34	6.50
283B	CRYSTAL LAKE	E						.37	2.35				.75	.16	.24	.29	.98	3.10	.12			.25	.71	.87					1.87	.30			.12	12.48
321-E	PINE CANYON	C	.11					.48	.04				.40	.09	.22	1.15	.58	1.14	.17			.12	.56	.92					.86			.10		6.94
425B-E	SAN GABRIEL DAM	E	.01					1.21	.06				.37	.25	.03	.02	.82	2.85	.34			.18	.63	1.13					1.07	.01			.21	9.19
440B	CHILAO	B							1.93				.72		.26	.19			2.33				.63			.86			.94			.02	7.93
455	LANCASTER	E							.48				.38		.04	.03		.18					.26	.43				.36				.02	2.18
478	VALYERMO	E						.27	.87				.38				.03	.25				.07	.18	.50				.55					3.10
577F	LOS ANGELES	F		.01				.60				.22	.05	T	.06	.01	1.40	.60	.15			.70	.36	.06					.68			.37	.03	5.30
610B	PASADENA	E						.43	.01				.21	.03	.04	.14	.54	2.01	.09			.20	.51	.58					.81	.02			.31	5.93
634B	SANTA MONICA	D	.03					.31					.17						2.31			.31	.48						1.15	.08			.60	5.44

APRIL

STA. NO.	STATION		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	TOTAL
6	TOPANGA	E	1.55	.06	1.76	.11		.74	.88																								5.10
15	VAN NUYS	B	.73	.83	1.49	.15			1.36	.04																							4.60
32C	NEWHALL	C	2.57	.01	1.89	.01		.77	.87																								6.12
33A'E	PACOIMA DAM	E	2.35	.06	1.82	.28		.60	.95																								6.06
57B-E	OPID'S	E	5.87	.24	4.45	.14		.95	1.63																								13.28
85F	MT. BALDY	B	1.78	3.29	4.44	.46			1.23	.30																							11.50
106C	WHITTIER	E	1.43	.13	.95	.11		.55	1.05																								4.22
130B	SANDBERG'S	C	1.26		1.42				2.06																							.34	5.08
185	GLENDORA	E	2.60	.10	1.49	.17		.50	1.42																								6.28
241B	LONG BEACH	A	.33	.70	.51	.12			1.40	.10																							3.16
256B	POMONA	E	1.80	.02	1.11	.12			2.15																								5.20
283B	CRYSTAL LAKE	E	5.97	.10	1.95	.07		.51	1.34																								9.94
321-E	PINE CANYON	C	2.70	.02	3.35	.01		.66	.50																							.18	7.42
425B-E	SAN GABRIEL DAM	E	3.03	.23	3.16	.10		.51	1.43																								8.46
440B	CHILAO	B	1.43	2.43	2.48	.88		T	1.52																								8.74
455	LANCASTER	E	.70		.85			.29	.27																							.08	2.19
478	VALYERMO	E	1.43		.97			.20	.38																							.04	3.02
577F	LOS ANGELES	F	1.01	.07	.43	.16		.84	.58																								3.09
610B	PASADENA	E	2.43	.04	1.16	.16		.61	1.22																								5.62
634B	SANTA MONICA	D	.61	.01	.62	.11			1.30																								2.65

MAY

STA NO.	STATION		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
6	TOPANGA	E																																0
15	VAN NUYS	B																																0
32C	NEWHALL	C																																0
33A'E	PACOIMA DAM	E											.08																					.08
57B-E	OPID'S	E											.02																					.02
85F	MT. BALDY	B	.01										.23	.04																				.28
106C	WHITTIER	E																																0
130B	SANDBERG'S	C	.34										.25																					.59
185	GLENDORA	E	T	.05									.02	.01																				.08
241B	LONG BEACH	A											T	.12																				.12
256B	POMONA	E												.17																				.17
283B	CRYSTAL LAKE	E											.26																					.26
321-E	PINE CANYON	C											T	.03																				.03
425B-E	SAN GABRIEL DAM	E	T										T	.19																				.19
440B	CHILAO	B																																0
455	LANCASTER	E																																0
478	VALYERMO	E	.20																															.20
577F	LOS ANGELES	F	.01										.03																					.04
610B	PASADENA	E								T			T											T									T
634B	SANTA MONICA	D											T																					T

SEASONAL 1957-58 DAILY RAINFALL FOR SELECTED STATIONS

RAINFALL RECORDS IN INCHES

JUNE

STA. NO.	STATION		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	TOTAL
6	TOPANGA	E																															0
15	VAN NUYS	B																															0
32C	NEWHALL	C																															0
33A'E	PACOIMA DAM	E																															0
57B-E	OPID'S	E																															0
85F	MT. BALDY	B																	.02														0
106C	WHITTIER	E																															.02
130B	SANDBERG'S	C																															0
185	GLENDORA	E																.02															0
241B	LONG BEACH	A																															.02
256B	POMONA	E																T															0
283B	CRYSTAL LAKE	E																															T
321-E	PINE CANYON	C																															0
425B-E	SAN GABRIEL DAM	E																T															0
440B	CHILAO	B																															T
455	LANCASTER	E																															0
478	VALYERMO	E																															0
577F	LOS ANGELES	F																T															T
610B	PASADENA	E																															0
634B	SANTA MONICA	D																															0
																																	0

JULY

STA. NO.	STATION		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
6	TOPANGA	E																																0
15	VAN NUYS	B																																0
32C	NEWHALL	C																																0
33A'E	PACOIMA DAM	E																																0
57B-E	OPID'S	E																																0
85F	MT. BALDY	B																																0
106C	WHITTIER	E																																0
130B	SANDBERG'S	C																																0
185	GLENDORA	E																																0
241B	LONG BEACH	A												T																			T	T
256B	POMONA	E																																0
283B	CRYSTAL LAKE	E																																0
321-E	PINE CANYON	C																																0
425B-E	SAN GABRIEL DAM	E																																0
440B	CHILAO	B																																0
455	LANCASTER	E																																0
478	VALYERMO	E																																0
577F	LOS ANGELES	F													T														T			T	T
610B	PASADENA	E																																0
634B	SANTA MONICA	D																																

AUGUST

STA. NO.	STATION		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
6	TOPANGA	E																																0
15	VAN NUYS	B													.12		.56																	.68
32C	NEWHALL	C																																0
33A'E	PACOIMA DAM	E													.03		.05																	.08
57B-E	OPID'S	E															.10																	.10
85F	MT. BALDY	B													.02			.03																.05
106C	WHITTIER	E													.07		.13																	.20
130B	SANDBERG'S	C																																0
185	GLENDORA	E													T		.15																	.15
241B	LONG BEACH	A											T		T			.02																.02
256B	POMONA	E													T		.02																	.02
283B	CRYSTAL LAKE	E						.08							.01		.19																	.28
321-E	PINE CANYON	C														T																		T
425B-E	SAN GABRIEL DAM	E													T		.19																	.19
440B	CHILAO	B															.14*																	.14*
455	LANCASTER	E																																0
478	VALYERMO	E						.07	.08						.02	.10																		.27
577F	LOS ANGELES	F													.01		.38																	.39
610B	PASADENA	E													.09		.11																	.20
634B	SANTA MONICA	D													.02		T																	.02

SEPTEMBER

STA. NO.	STATION		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	TOTAL
6	TOPANGA	E																							T							T
15	VAN NUYS	B																								.01							.01
32C	NEWHALL	C																							.02	.01							.03
33A'E	PACOIMA DAM	E							T																.55	.14							.69
57B-E	OPID'S	E						T																	.52								.52
85F	MT. BALDY	B							.03																	.70							.73
106C	WHITTIER	E																								.14							.14
130B	SANDBERG'S	C						.16	.08																	.59							.83
185	GLENDORA	E																							.06	.03							.09
241B	LONG BEACH	A																								.16							.16
256B	POMONA	E																							.06	.04							.10
283B	CRYSTAL LAKE	E							.01	.02																1.10	.03							1.16
321-E	PINE CANYON	C						1.10																	.21	.39								1.70
425B-E	SAN GABRIEL DAM	E																							.14									.14
440B	CHILAO	B																								.25								.25
455	LANCASTER	E						.16	.08	.03																.09								.36
478	VALYERMO	E						.20																										.20
577F	LOS ANGELES	F																							.07									.07
610B	PASADENA	E																						.04	.06									.10
634B	SANTA MONICA	D							T																T									T

LEGEND

A - - - - - - 7:00 A.M. GAGE READING
B - - - - - - 8:00 A.M. GAGE READING
C - - - - - - 4:00 P.M. GAGE READING
D - - - - - - 4:30 P.M. GAGE READING
E - - - - - - 5:00 P.M. GAGE READING
F - - - - - - MIDNITE GAGE READING

DAYLIGHT SAVING TIME - CLOCK ADVANCED ONE HOUR STARTING APRIL 27, 1958

NOTE: FOR SEASON TOTALS SEE TABLE

INDICATES PERIOD OF TOTAL FOLLOWING

*ESTIMATE > 10% OF TOTAL

**ESTIMATE < 10% OF TOTAL

SEASONAL 1958-59 DAILY RAINFALL FOR SELECTED STATIONS

RAINFALL RECORDS IN INCHES

OCTOBER

STA. NO.	STATION		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
6	TOPANGA	E																								T	0.04							0.04
15	VAN NUYS	B																								T	T							T
32C	NEWHALL	C																									1.15							1.15
33A'E	PACOIMA DAM	E																								0.08	0.29							0.37
57B-E	OPID'S	E																							0.25	0.02	0.72							0.99
85F	MT. BALDY	B																							0.09	0.06	0.05							0.20
106C	WHITTIER	E																								.01	.16							.17
130B	SANDBERG'S	C																									0.55							0.55
185	GLENDORA	E																							T		0.25							0.25
241B	LONG BEACH	B																								T	.44							.44
256B	POMONA	F																							T	T	.61							.61
283B	CRYSTAL LAKE	E																									.25							.25
321-E	PINE CANYON	C																								.02	.53							.55
425B-E	SAN GABRIEL DAM	E																							T	T	.48							.48
440B	CHILAO	B																							0.19									0.19
455	LANCASTER	E																								0.02	0.02							0.04
478	VALYERMO	E																							0.02	0.25	0.05							0.32
577F	LOS ANGELES	F																								T	.06							.06
610B	PASADENA	E																							.05		.97							1.02
634B	SANTA MONICA	D																																0

NOVEMBER

STA. NO.	STATION		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	TOTAL
6	TOPANGA	E											.25																				.25
15	VAN NUYS	B											T																				T
32C	NEWHALL	C										.06	.14																				.20
33A'E	PACOIMA DAM	E										T	.26	T																			.26
57B-E	OPID'S	E										.08	.04				T										T						.12
85F	MT. BALDY	B											.39	.18																			.57
106C	WHITTIER	E																															0
130B	SANDBERG'S	C										.13	.13				.12	.37															.75
185	GLENDORA	E										.09	.19																				.28
241B	LONG BEACH	B										T	.01	T				T										T					.01
256B	POMONA	F											.03																				.03
283B	CRYSTAL LAKE	E											1.47						.02														1.49
321-E	PINE CANYON	C										T	.19					.17															.36
425B-E	SAN GABRIEL DAM	E										T	.20																				.20
440B	CHILAO	B										T	.22	.03																			.25
455	LANCASTER	E											.31						.03														.34
478	VALYERMO	E											.68																				.68
577F	LOS ANGELES	F											T				T										T						T
610B	PASADENA	E										.05	.05				.02																.12
634B	SANTA MONICA	D																															0

DECEMBER

STA. NO.	STATION		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
6	TOPANGA	E																											.05					.05
15	VAN NUYS	B																																0
32C	NEWHALL	C																																0
33A'E	PACOIMA DAM	E																																0
57B-E	OPID'S	E																											.01					.01
85F	MT. BALDY	B																																0
106C	WHITTIER	E																																0
130B	SANDBERG'S	C																												T				T
185	GLENDORA	E																																0
241B	LONG BEACH	B																												T				T
256B	POMONA	F																																0
283B	CRYSTAL LAKE	E																																0
321-E	PINE CANYON	C																																0
425B-E	SAN GABRIEL DAM	E																						T										T
440B	CHILAO	B																											T					T
455	LANCASTER	E																																0
478	VALYERMO	E																																0
577F	LOS ANGELES	F																											T					T
610B	PASADENA	E																											T					T
634B	SANTA MONICA	D																																0

JANUARY

STA. NO.	STATION		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
6	TOPANGA	E						3.59																										3.59
15	VAN NUYS	B						3.57	.09																									3.66
32C	NEWHALL	C						3.15																										3.15
33A'E	PACOIMA DAM	E						2.85																										2.85
57B-E	OPID'S	E						4.20																										4.20
85F	MT. BALDY	B						3.24																										3.24
106C	WHITTIER	E						2.17																										2.17
130B	SANDBERG'S	C					.11	2.42				.06															T							2.59
185	GLENDORA	E					T	2.50																										2.50
241B	LONG BEACH	B						.45	.01																			T						.46
256B	POMONA	F						2.79																										2.79
283B	CRYSTAL LAKE	E					.05	2.98																										3.03
321-E	PINE CANYON	C						2.08	0.28																									2.36
425B-E	SAN GABRIEL DAM	E					T	2.80																										2.80
440B	CHILAO	B						2.60	T			T																						2.60
455	LANCASTER	E						.54				.01																						.55
478	VALYERMO	E						1.93				T																						1.93
577F	LOS ANGELES	F					.42	.82																										1.24
610B	PASADENA	E					T	2.82	.02			T	T																					2.84
634B	SANTA MONICA	D						1.40																										1.40

SEASONAL 1958-59 DAILY RAINFALL FOR SELECTED STATIONS

RAINFALL RECORDS IN INCHES

FEBRUARY

STA. NO.	STATION		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	TOTAL
6	TOPANGA	E							.05	.64	.03		1.69	.19				3.24		.06			.93	.06							6.89
16	VAN NUYS	B								.28	.24	.02	1.60	.19				.85	.72	T	.01		.43	.36							4.70
32C	NEWHALL	C						.04	.23	.05			1.75	.25				1.54	.16				.62	.02							4.66
33A'E	PACOIMA DAM	E							.08	1.07	.12	T	1.35	.16			T	.95	.05	.16			.86	.07							4.87
57B-E	OPID'S	E							.13	1.34	.03	.11	5.30	.55				4.86	.20	.15		.74	.10								13.51
85F	MT. BALDY	B							T	1.22	.73		4.94	.96				1.06	4.06		.08			.65							13.70
106C	WHITTIER	E							.02	.57			.87	.12				1.14	.01	.01	.10		.43	.02							3.29
130B	SANDBERG'S	C							.08	T			2.09	.06				1.77	.09				.31	.04							4.44
185	GLENDORA	E							.02	.76	.07	.10	1.62	.39			.01	2.05	.03	T			.52	.10							5.67
241B	LONG BEACH	B		T					.01	.11	.21	.01	.55	.07				1.62	.14		.05		.14	.82							3.73
256B	POMONA	F							.04	.69		.05	.97	.21				.66	.06				.26								2.94
283B	CRYSTAL LAKE	E							.22	2.00		.04	5.16	1.08				4.78	.15				.56	.25							14.24
321-E	PINE CANYON	C							.10	.21		.13	2.52	.34				2.46	.64	T			.05								6.45
425B-E	SAN GABRIEL DAM	E							.05	1.01	.15	.01	3.70	.29			T	4.14	.11		.21		.56	.15							10.38
440B	CHILAO	B							T	.71	.35	.03	3.00	.62				1.50	1.63				.08	.71							8.63
455	LANCASTER	E								.27			.04	.34				.78	.03				.04								1.50
478	VALYERMO	E								.37			1.00	.16				.42					.04								1.99
577F	LOS ANGELES	F							.05	.40	.01	.11	.98	.01			.12	1.00	T	.12			.52								3.32
610B	PASADENA	E							.02	.47	.14	.09	1.71	.22			T	2.07	.02	T	T		.48	.08							5.30
634B	SANTA MONICA	D								1.55		T	1.00	.15				2.16	.04	T	.03										4.93

MARCH

STA. NO.	STATION		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
6	TOPANGA	E																																0
16	VAN NUYS	B																																0
32C	NEWHALL	C																																0
33A'E	PACOIMA DAM	E																																0
57B-E	OPID'S	E																																0
85F	MT. BALDY	B																																0
106C	WHITTIER	E																																0
130B	SANDBERG'S	C																								.15								.15
185	GLENDORA	E																																0
241B	LONG BEACH	B													T																			T
256B	POMONA	F																																0
283B	CRYSTAL LAKE	E																																0
321-E	PINE CANYON	C																																0
425B-E	SAN GABRIEL DAM	E																																0
440B	CHILAO	B																																0
455	LANCASTER	E																																0
478	VALYERMO	E																																0
577F	LOS ANGELES	F																																0
610B	PASADENA	E																																0
634B	SANTA MONICA	D																																0

APRIL

STA. NO.	STATION		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	TOTAL
6	TOPANGA	E																									.42	.39					.81
16	VAN NUYS	B																									.21	.38					.59
32C	NEWHALL	C																									.24	.26					.50
33A'E	PACOIMA DAM	E																									.55	.40					.95
57B-E	OPID'S	E																									.69	.92					1.61
85F	MT. BALDY	B																										1.45	.15				1.60
106C	WHITTIER	E																									.35	.55					.90
130B	SANDBERG'S	C																									.30	.23			.05		.58
185	GLENDORA	E							T										T								.04	1.13					1.17
241B	LONG BEACH	B																	T									.50					.50
256B	POMONA	F																										.89					.89
283B	CRYSTAL LAKE	E																									.65	1.25					1.90
321-E	PINE CANYON	C																									.27	.33					.60
425B-E	SAN GABRIEL DAM	E																									.20	1.61					1.81
440B	CHILAO	B																										.76	.01				.77
455	LANCASTER	E																										.04					.04
478	VALYERMO	E																										.01					.01
577F	LOS ANGELES	F																	T								.50	T					.50
610B	PASADENA	E																									.15	.50					.65
634B	SANTA MONICA	D																									.45						.45

MAY

STA. NO.	STATION		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
6	TOPANGA	E																																0
16	VAN NUYS	B																																0
32C	NEWHALL	C																																0
33A'E	PACOIMA DAM	E														.02																		.02
57B-E	OPID'S	E																																0
85F	MT. BALDY	B																																0
106C	WHITTIER	E																																0
130B	SANDBERG'S	C																																0
185	GLENDORA	E	.02		.03						.02			T																				.07
241B	LONG BEACH	B																																0
256B	POMONA	F	T		.05																													.05
283B	CRYSTAL LAKE	E																																0
321-E	PINE CANYON	C																																0
425B-E	SAN GABRIEL DAM	E	.01			T					.01			T	T																			.02
440B	CHILAO	B																																0
455	LANCASTER	E													T																			T
478	VALYERMO	E						T																										T
577F	LOS ANGELES	F	T											T																				T
610B	PASADENA	E	T								T			T																				T
634B	SANTA MONICA	D																																0

SEASONAL 1958-59 DAILY RAINFALL FOR SELECTED STATIONS

RAINFALL RECORDS IN INCHES

JUNE

STA. NO.	STATION		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	TOTAL
6	TOPANGA	E																												.03			.03
15	VAN NUYS	B																															0
32C	NEWHALL	C																															0
33A'E	PACOIMA DAM	E																												.01			.01
57B-E	OPID'S	E																															0
85F	MT. BALDY	B														.07																	.07
106C	WHITTIER	E																															0
130B	SANDBERG'S	C																															0
185	GLENDORA	E																											.03	.04			.07
241B	LONG BEACH	B																															0
256B	POMONA	F													T																		T
283B	CRYSTAL LAKE	E																															0
321-E	PINE CANYON	C																															0
425B-E	SAN GABRIEL DAM	E																												T			T
440B	CHILAO	B																															0
455	LANCASTER	E																															0
478	VALYERMO	E																															0
577F	LOS ANGELES	F																												T			T
610B	PASADENA	E																												.03			.03
634B	SANTA MONICA	D																															0

JULY

STA. NO.	STATION		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
6	TOPANGA	E																																0
15	VAN NUYS	B																																0
32C	NEWHALL	C																																0
33A'E	PACOIMA DAM	E																						T										T
57B-E	OPID'S	E																																0
85F	MT. BALDY	B																																0
106C	WHITTIER	E																																0
130B	SANDBERG'S	C																																0
185	GLENDORA	E																						T										T
241B	LONG BEACH	B																					T	T	.02									.02
256B	POMONA	F																																0
283B	CRYSTAL LAKE	E																																0
321-E	PINE CANYON	C																																0
425B-E	SAN GABRIEL DAM	E																					T	T										T
440B	CHILAO	B																																0
455	LANCASTER	E																																0
478	VALYERMO	E																														.27		.27
577F	LOS ANGELES	F																						T										T
610B	PASADENA	E																					T											T
634B	SANTA MONICA	D																						T										T

AUGUST

STA. NO.	STATION		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
6	TOPANGA	E																			T													T
15	VAN NUYS	B																																0
32C	NEWHALL	C																																0
33A'E	PACOIMA DAM	E																		T					T									T
57B-E	OPID'S	E																																0
85F	MT. BALDY	B	.33																															.33
106C	WHITTIER	E																																0
130B	SANDBERG'S	C																																0
185	GLENDORA	E																							T									T
241B	LONG BEACH	B																		T														T
256B	POMONA	F																																0
283B	CRYSTAL LAKE	E	1.55						.01																.03									1.59
321-E	PINE CANYON	C																																0
425B-E	SAN GABRIEL DAM	E	T																		.01				T									.01
440B	CHILAO	B								.06																								.06
455	LANCASTER	E																																0
478	VALYERMO	E	1.07																															1.07
577F	LOS ANGELES	F																			T				T			T						T
610B	PASADENA	E																																0
634B	SANTA MONICA	D																																0

SEPTEMBER

STA. NO.	STATION		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	TOTAL
6	TOPANGA	E												.01																			.01
15	VAN NUYS	B																	T														T
32C	NEWHALL	C												.04	.03																	T	.07
33A'E	PACOIMA DAM	E												T	.06				.01														.07
57B-E	OPID'S	E											T	.09	.76			.02															.87
85F	MT. BALDY	B														.16	.11		.06														.33
106C	WHITTIER	E																	.01														.01
130B	SANDBERG'S	C												1.05	.02	.18																	1.25
185	GLENDORA	E											T	.01				.18	.01			.02									T		.22
241B	LONG BEACH	B											T	T	T				T		T	T											T
256B	POMONA	F													.02				T														.02
283B	CRYSTAL LAKE	E											.04	.52	.65			.01															1.22
321-E	PINE CANYON	C												.12	.60																		.72
425B-E	SAN GABRIEL DAM	E											T	.07	T				.03	T											.02		.12
440B	CHILAO	B												.05	.07	.43			T														.55
455	LANCASTER	E											.16	.04	.10																		.30
478	VALYERMO	E												.27	.34																		.61
577F	LOS ANGELES	F											T	T	T			T	.01														.01
610B	PASADENA	E												T	T																		T
634B	SANTA MONICA	D													.01																	T	.01

LEGEND

A - - - - - - - 7:00 A.M. GAGE READING
B - - - - - - - 8:00 A.M. GAGE READING
C - - - - - - - 4:00 P.M. GAGE READING
D - - - - - - - 4:30 P.M. GAGE READING
E - - - - - - - 5:00 P.M. GAGE READING
F - - - - - - - MIDNITE GAGE READING

DAYLIGHT SAVING TIME - CLOCK ADVANCED ONE HOUR STARTING APRIL 26, 1959

NOTE: FOR SEASON TOTALS SEE TABLE

INDICATES PERIOD OF TOTAL FOLLOWING

*ESTIMATE > 10% OF TOTAL

**ESTIMATE < 10% OF TOTAL

TABLE VI

SEASONAL 1957-58 MONTHLY RAINFALL SUMMARY

RAINFALL RECORDS IN INCHES

STA. NO.	STATION	OCT.	NOV.	DEC.	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	SEAS. TOTAL
2B	ESCONDIDO CANYON	1.02	.62	4.60	3.61	7.91	6.86	4.59	0	0	0	0	.12	29.33
3B	SEMINOLE HOT SPRINGS	1.39*	.32*	7.67	3.16	10.44	7.43	5.90	0	0	0	0	.15	36.46**
5B	CALABASAS	2.31	.40	6.91	1.98	8.56	5.65	4.99	.01	0	0	0	0	30.81
6	TOPANGA PATROL STATION	1.27	.58	6.92	4.79	12.00	9.60	5.10	0	0	0	0	T	40.26
9B	LINDOMAR NURSERY - SEPULVEDA AND RAYEN	1.32	.57	3.12	1.43	7.28	5.19	4.20	0	0	0	.32	.15	23.58
10	BEL AIR HOTEL	1.43	.50	3.53	2.81	9.08	6.86	3.25	0	0	0	0	0	27.46
11C	UPPER FRANKLIN CANYON RESERVOIR	1.88	.53	3.81	2.52	7.98	5.59	3.88	.24	0	0	.04	.04	26.51
12	FRANKLIN CN. AND MULHOLLAND HIGHWAY	2.37	.41	4.52	1.77	8.39	4.50	5.24	0	0	0	.03	0	27.23
13B	NORTH HOLLYWOOD - BLIX	2.04	.56	3.98	1.64	6.96	4.45	4.15	0	0	0	0	.03	23.81
14B	ROSCOE - MERRILL	1.89	.50	3.13*	1.50	6.09	4.27	4.33	T	T	0	.13	.17	22.01*
15	VAN NUYS - CITY WAREHOUSE	1.44	.33	3.49	1.37	7.10	4.66	4.60	0	0	0	.68	.01	23.68
17	SEPULVEDA CANYON AND MULHOLLAND HIGHWAY	1.55	.24	4.50	1.94	9.24	6.24	5.74	0	0	0	0	0	29.45
18C	RESEDA	1.59	.29	4.78	1.51	7.76	4.42	4.79	0	0	0	.02	.10	25.26
20B	GIRARD RESERVOIR	2.15	.45	7.84	1.88	8.93	5.32	5.81	T	0	0	T	.08	32.46
21	BRANT RANCHO - GIRARD	1.92	.45	6.90	1.71	7.68	6.07	4.36	.01*	0	0	.03*	.14*	29.27**
23-E	CHATSWORTH RESERVOIR	2.42	.69	6.06	2.07	8.68	5.37	4.53	T	0	0	T	.18	30.00
24D	CHATSWORTH	2.03	.76	6.10*	2.33**	6.94	6.07	4.68	0	0	0	0	0	28.91**
25B	NORTHRIDGE - ANDREWS	2.20	.55	6.13	1.71	7.37	5.55	3.78	.02	0	0	.04	.37	27.72
27B	PACOIMA - RADDATZ RANCH	1.48	.42	3.17	1.64	6.94*	4.42	4.50	T	0	0	.16	.10	22.83**
28D	SAN FERNANDO LEMON ASSOCIATION	1.92	.62	3.54	1.96	7.21	5.74	4.51	.01	0	0	.02	.21	25.74
29B	GRANADA PUMP PLANT	2.44	.63	7.01	2.45	8.53	6.09	5.71	T	0	0	.07	.24	33.17
30B	SYLMAR	2.30	.60	6.82	2.39	7.56	5.78	5.14	0	0	0	0	.22*	30.81**
31	ORCUTT RANCH	3.61	.88	10.76	3.84	12.11	10.52	7.81	0	0	0	.10	.61	50.24
32C	NEWHALL-SOLEDAD DIVISION HEADQUARTERS	2.28	.34	7.07	1.80	8.88	4.96	6.12	0	0	0	0	.03	31.48
33A'-E	PACOIMA DAM	2.25	.72	4.48	2.53	7.54	6.13	6.06	.08	0	0	.08	.69	30.56
39B	SUNSET DAM	2.13	.69	4.91	1.57	9.97	4.04	5.07	0	0	0	.07	.13	28.58
42	REDONDO CITY HALL	.74	.62	2.27	1.91	6.06	4.96	2.72	0	0	0	.19	0	19.47
43B	PALOS VERDES GOLF CLUB	2.01	.62	2.93	2.41	7.93	5.55**	3.12**	0	0	0	0	.08*	24.65**
43C	PALOS VERDES ESTATES	1.75	.32	3.04	2.14	7.08	5.01	2.82	0	0	0	0	.07	22.23
44	POINT VICENTE LIGHTHOUSE	1.66	.32	2.09	1.90	5.35	4.33	1.96	.24	0	0	0	.06	17.91
46D-E	BIG TUJUNGA DAM	1.76	1.16	8.40	3.70	12.88	8.41	8.79	0	0	0	.18	.24	45.52
47D	CLEAR CREEK - CITY SCHOOL	2.00	1.64	9.73	4.60	15.00	10.24	10.55	0	0	0	.05	.46	54.27
48B	OAK WILDE	2.30	1.31	3.77	2.39	8.99	6.65	4.96	0	0	0	.04	.16	30.57
50B	LA CANADA - ARROYO SECO	1.92	.89	4.37	2.27	10.01	6.45	4.82	0	0	0	.17	.30	31.20
51	FALLING SPRINGS	4.46	1.72	11.52	2.63**	12.26	8.88	11.28	0	0	0	.42	.64	53.81**
52B	SWITZER'S CAMP	1.65	1.59	7.42	3.25	7.93	6.56	6.09	0	0	0	.07*	.11	34.67**
52C	WATERMAN GUARD STATION	2.36	1.59	8.65	3.97	12.02	8.98	8.64	0	0	0	.11	.34	46.66
53D	COLBY'S	2.87	1.59	7.62	3.60	12.13	8.94	9.97	0	0	0	.12	.12	46.96
54C	LOOMIS RANCH - ALDER CREEK	2.51	.71	5.35	2.03	7.95	5.59	5.20	.10	0	0	.18	0	29.62
57B-E	OPID'S (CAMP HI-HILL)	3.66	2.15	11.96	5.56	16.97	12.13	13.28	.02	0	0	.10	.52	66.35
58	STURTEVANT CAMP	3.30	1.37	9.59	4.40	12.32*	11.55	11.46	.08*	0	0	.05	.52	54.64*
60A	HOEGEE'S	3.56	1.22	9.88	5.19	15.44	10.63	11.25	.08	.04	0	.06	.52	57.87
63B-E	BIG SANTA ANITA DAM	2.97	.83	5.32	2.94	9.24	7.25	5.83	.09	0	0	.03	.16	34.66
66	SIERRA MADRE - PEGLAR RANCH	2.81	.71	4.28	2.70	8.80	6.82	5.32	0	0	0	.32	.10	31.76
67D	MONROVIA - NEWS POST	2.43	1.40	4.45	2.43	8.13	8.12	6.47	.11	0	0	.03*	.12	33.69**
68B	SAWPIT DAM	2.58	1.03	5.61	3.61	8.49	7.78	6.85	.10	T	0	.09	.14	36.28
69B	SAWPIT CANYON	3.32	1.04	6.43	4.17	8.86	8.52	8.47	.18	T	0	.25	.15	41.39
70B	ROGER'S CANYON - GOEDERT	2.71	1.10	6.22	3.07	7.86	7.94	6.38	.04	0	0	.41	0	35.73
73	GLENDORA - ENGLEWILD RANCH	3.36	.79	6.11	3.74	7.53	8.46	6.96	.06	0	0	.10	.11	37.22
76B	SAN GABRIEL DAM CAMP	4.06	1.07	8.58	3.39	9.92	9.75	8.65	.10	T	0	.18	.20	45.90
80B	PRAIRIE FORK	3.02	1.93	6.54	1.96	8.84	8.85	7.64	.18	.16	.17	.02	2.30	41.61
81B	VINCENT GULCH	2.20	1.16	11.61	3.61	13.42	11.83	11.90	0	0	.52	0	1.55	57.80
82D	TABLE MOUNTAIN	2.83	1.46	5.24	1.50	6.00	6.15	5.92	.10	.14	0	.14	1.88	31.36
83	BIG PINES RECREATION PARK	3.12	1.80	6.13	1.83	8.28	8.27	7.16	.17	.15	.16	.02	2.61	39.70
85F	MT. BALDY GUARD STATION	4.37	2.41	10.96	4.58	12.69	9.72	11.50	.28	.02	0	.05	.73	57.31
87	SAN DIMAS GUARD STATION	3.80	1.27	7.34	4.11	9.28	8.74	7.93	.06	0	0	.50	.30	43.33
89B-E	SAN DIMAS DAM	3.70	1.08	6.91	3.75	8.74	7.87	7.43	.07	.02	0	.63	.18	40.38
90	ELDER RANCH	3.50	1.32	6.60	4.66	8.53	7.72	7.09	.10	0	0	.96	.25	40.73
91	INDIAN HILL - CLAREMONT	2.81	1.09	6.56	2.75	8.33	6.47	6.15	.15	0	0	.75*	.32	35.38**
92	CLAREMONT - POMONA COLLEGE	2.55	1.25	6.29	2.60	8.19	7.38	5.87	.34	.05	0	.30	.26	35.08
93B	CLAREMONT FIRE STATION	2.48	1.24	6.19	2.63	7.91	7.37	5.81	.40	.05	0	.25	.30	34.63
94B	CHARTER OAKS - MAYO	5.32	.55	5.57	2.90	8.10	5.32	6.13	.15*	0	0	.66*	.14*	34.84**
95	SAN DIMAS FIRE WARDEN	2.97	.78	5.70	2.53	8.10	6.88	6.22	.15	T	0	.66	.26	34.25
96B-E	PUDDINGSTONE DAM	2.75	1.04	5.24	2.68	7.10	6.63	5.86	.16	T	0	.13	.33	31.92
98	AZUSA - HIBSCH	2.14	.63	4.97	2.44	7.19	8.96	5.05	.20	0	0	.07	.06	31.71
99B	AXUSA - FOOTHILL RANCH	2.22	.69	5.34	2.63	7.56	8.30	6.15	.05	.01	0	.11	.09	33.15
101	WEST COVINA - HURST RANCH	1.92	.70	4.18	2.46	6.73	6.44	5.43	.02	.02	0	.22	.01	28.13
102B	WALNUT - PATROL STATION	2.22	1.14	4.01	1.78	7.26	5.56	5.42	T	.03	0	.13	.22	27.77
104	NORTH WHITTIER - COLE RANCH	2.23	.67	4.32	2.02	7.28	6.87	5.57	0	0	0	.93	.10	29.99
106C	WHITTIER CITY HALL	1.59	.64	2.67	1.80	5.79	5.12	4.22	0	0	0	.20	.14	22.17
107C	DOWNEY - FIRE DEPARTMENT	1.37	.73	2.62	1.69	8.58	4.80	2.96	.02	0	0	.83	.05	23.65
108C	EL MONTE FIRE STATION	2.02	.86	3.21	2.48	8.07	6.51	4.47	0	0	0	0	.11	27.73
109D	WEST ARCADIA	2.15	.74	3.51	2.25	7.93	6.54	4.71	T	0	0	.18	.09	28.10
110	ALHAMBRA - CITY HALL	2.06	.89	3.14	2.47	10.00	6.34	4.34	.02	0	0	.17	.10	29.53
111	SOUTH PASADENA - CITY HALL	2.04	1.08	3.22	2.51	9.62	6.16	4.28	T	0	0	.12	.24	29.27
116C	INGLEWOOD - FIRE STATION	1.41	.46	2.38	1.82	6.75	5.35	2.50	0	0	0	.04	.02	20.73
117B	COMPTON - FIRE STATION	1.25	.51	2.80	1.79	5.37	5.37	2.91	.06	0	0	.29	0	20.34
118C	WILMINGTON	1.52	.54	2.31	1.76	5.86	5.36	3.02	.16	0	0	.02	.14	20.69
119D	SAWTELLE - SOLDIER'S HOME	1.57	.44	3.63	2.57	8.76	7.18	2.85	0	0	0	0	0	27.00
120	VINCENT PATROL STATION	1.58	.39	1.53	.50	2.57	2.58	2.45	.22	0	0	.03	.18	12.03
122C	LEONIS VALLEY - RITTER RANCH	2.81	1.34	4.06	2.16	6.42	4.93	6.40	.13	0	0	.05	.57	28.87
124B	BOUQUET CANYON RESERVOIR	2.15	.76	5.48	2.29	7.00	6.05	7.00	.21	0	0	0	1.23	32.17
125	SAN FRANCISQUITO CANYON POWER HOUSE NO. 1 (SAUGUS)	2.19	.79	6.25	1.83	7.59	7.16	5.91	.51	0	0	.01	1.18	33.69
126B	VENICE - FIRE STATION	1.62	.35	2.94	1.75	6.26	5.43	2.29	T	0	0	T	.02	20.66
127	DRY CANYON RESERVOIR	1.60	.63	4.62	1.89	5.89	5.43	4.08	.06	0	0	.05	.36	24.61
128B	ELIZABETH LAKE CANYON	2.27	.65	7.75	2.13	10.23	9.08	6.90	.07	0	0	T	.61	39.69
130B	SANDBERG'S QUAIL LAKE PATROL STATION	.59	.62	5.58	.92	8.17	3.75	5.08	.59	0	0	0	.83	26.13
134	SAN DIMAS - STEVENS	3.48	.77	6.54	3.11	7.79	7.17	6.52	.17	0	0	.50*	.15	36.20**
135	NORWALK	1.66	1.42	2.45	1.86	5.33	5.11	3.74	0	0	0	.72	.46	22.75
136B	HOLLYWOOD - CITY ENGINEER	1.32	.47	2.79	2.08	7.56	5.16	3.17	0	0	0	.09	.07	22.71
139B	LOS ANGELES WATER DEPARTMENT	1.68	0.51	2.50	2.18	8.19	5.65	3.06	.01	0	0	.35	.07	24.20
140	SAWTELLE	1.58	.54	3.53	2.54	8.23	6.28	3.04	0	0	0	0	.02	25.76
143	AZUSA - CITY PARK	2.06	.62	5.02	2.95	6.99	8.43	5.20	.07	.02	0	.08	.04	31.48
144	SIERRA MADRE DAM	2.27	.95	5.32	3.19	9.70	7.19	6 20	.03	0	0	.07	.13	35.05
155B	LITTLE ROCK CREEK	1.39	.52	1.19	.49	2.67	3.21	2.55	.06	0	0	.15	1.80	14.03
156	LA MIRADA - STANDARD OIL CO.	1.69	1.03	3.12	1.65	5.66	4.70	3.43	.02	0	0	.87	.25	22.42
157B	EL SEGUNDO - STANDARD OIL CO.	1.26	.81	2.61	1.59	5.81	4.88	2.31	0	0	0	T	.07	19.34
158	TANBARK FLATS	4.06	1.65	8.58	3.82	10.20	8.58	10.32	.12	.02	0	.51	.28	48.14
167B	ARCADIA PUMPING PLANT NO. 1	2.64	.79	4.92	2.68	9.22	7.55	5.30	.02	0	0	.36	.19	33.67
169-E	SIERRA MADRE PUMPING PLANT	2.49	.98	4.66	2.79	8.71	6.82	5.68	.01	0	0	.07	.14	32.35
170C	POTRERO HEIGHTS	1.57	.93	3.13	2.44	8.06	6.63	3.77	0	0	0	.78	.10	27.41
171B	CHAPMAN WELLS	1.98	.68	4.11	2.44	8.86	7.06	5.06	0	0	0	.21	.13	30.53
172B	DUARTE	2.37	.95	3.89	2.37	7.30	8.57	5.87	0	0	0	.03	.03	31.38
174	GLENDORA - WARREN	4.74	.80	6.30	2.98	8.00	7.64	6.59	.07	T	0	.38	.45	37.95
175	ALTA CANYADA - LA CANADA IRRIGATION DISTRICT	2.05	1.10	5.94	3.30	9.97	7.13	5.67	0	0	0	.02	.35	35.53
176	ALTADENA-RUBIO CANYON	1.87	.54	4.42	2.46	10.98	6.55	5.53	0	0	0	.13	.12	32.60
177F	LA CANADA - AP ROBERTS	2.20	.85	5.04	2.48	10.27	6.93	5.46	0	0	0	.17	.25	33.65
179G	BAILEY DEBRIS DAM	2.49	.85	5.05	2.60	9.88	7.48	5.86	0	0	0	.10	.15	34.46
181B	BASSETT - CLIFFORD	1.77	.87	3.51	2.24	7.03	5.93	4.50	T	0	0	.17	T	26.02
185	GLENDORA - WEST	3.28	.62	5.89	3.07	7.36	8.15	6.28	.08	0	0	.15	.09	34.99

SEASONAL 1957-58 MONTHLY RAINFALL SUMMARY

RAINFALL RECORDS IN INCHES

STA. NO.	STATION	OCT.	NOV.	DEC.	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	SEAS. TOTAL
188C	SAN DIMAS - MORRISON	3.13	.85	6.24	2.70	8.00	6.88	6.29	.17	0	0	.53	.24	35.03
191B	LOS ANGELES - ALCAZAR	1.56	.53	2.49	2.02	8.02	5.72	3.47	0	0	0	.25	.07	24.13
192C	BELL FIRE STATION	1.54	.55	2.41	1.66	7.55	5.46	3.97	.02	0	0	.31	0	23.47
193	COVINA NO. 2 - TEMPLE	4.62	.82	5.06	2.47	6.78	6.90	5.31	.04	T	0	.26	.33	32.59
196B	LA VERNE - POLICE DEPARTMENT	2.59	1.11	5.55	2.56	7.26	7.14	5.75	.23	0	0	.16	.34	32.69
198B	BRAND DEBRIS BASIN	1.54	.70	4.32	1.49	9.44	5.26	4.79	0	0	0	.07	.23	27.84
199C	HUNTINGTON PARK - CITY YARD	1.37	.62	2.67	1.65	7.13	5.74	3.50	.01	0	0	.90	0	23.59
200	SAUGUS - S.C.E. CO. SUBSTATION	1.62	.38	3.88	1.35	5.71	4.60	4.72	.01	0	0	0	.13	22.40
201	PUENTE HILLS - ALTA MIRA RANCH	1.92	.57	3.91	2.69	6.74	6.67	5.34	0	0	0	.68	0	28.52
206	VALENCIA HEIGHTS	3.25	.83	3.84	2.34	6.81	5.98	5.37	.03	0	0	.08	.08	28.58
208B	ARTESIA	1.42	1.01	2.82	1.80	5.37	5.00	3.15	T	0	0	.10	.17	20.84
210B	BRAND PARK	1.68	.72	4.63	1.44	9.54	4.72	5.04	T	0	0	.05	.22	28.04
213D	LOS ANGELES - HANCOCK PARK	1.25	.62	2.64	2.03	7.50	5.67	2.98	T	0	0	.10	.01	22.80
215D	BELLFLOWER-PRESS TELEGRAM	1.51	.56	2.39	1.89	7.33	5.34	3.20	0	0	0	.28	.12	22.62
216	GLENDALE - JONES	1.56	.93	3.56	1.74	7.98	5.13	4.60	T	0	0	.19	.01	25.70
219	PACOIMA WAREHOUSE - COUNTY FORESTRY	1.68	.66	3.00	1.61	6.33	5.06	4.56	0	0	0	.11	.29	23.30
221F	PACOIMA WASH - DUCKWORTH RANCH	2.56*	.69*	4.46*	2.44	7.42	5.78	6.11	.04*	0	0	.04*	.85*	30.39*
222C	LANKERSHIM PUMPING PLANT	1.68	.34	2.89	1.24	6.51	4.06	4.34	T	0	0	.08	.03	21.17
223B-E	BIG DALTON DAM	3.97	1.06	7.74	4.27	8.84	9.15	8.79	.11	.01	0	.43	.25	44.62
224B	LONG BEACH-ALAMITOS LAND CO.	2.12	.50	2.67	1.78	6.10	4.57	3.13	.14	0	0	0	.13	21.14
225	MONTANA RANCH	1.40	.79	2.37	1.58	6.56	5.14	3.23	0	0	0	.25	.29	21.61
226B	BURBANK FIRE STATION	1.93	.43	4.15	1.19	8.59	4.29	4.24	T	0	T	.05	.02	24.92
227D	SAN GABRIEL - BRUINGTON	2.21	.80	3.22	2.35	8.92	6.07	4.23	.02	0	0	.25	.07	28.14
228B	BEVERLY HILLS - CITY HALL	1.68	.59	3.31	2.73	8.92	6.19	2.83	T	0	0	.04	.12	26.41
230C	LIVE OAK CANYON - ELDER	2.89	1.12	6.64	2.46	7.63	6.90	5.96	.14	.04	0	.61	.09	34.48
235B	HENNIGER FLATS	2.54	1.03	6.16	3.08	10.54	7.15	6.36	.12	0	0	.33	.22	37.53
236B	SAN FERNANDO - MOLLIN GROVES	2.69	.69*	4.36	2.54	6.96*	6.63	6.46	T	0	0	0	.73	31.06**
237C	STONE CANYON RESERVOIR	1.43	.52	4.22	2.86	9.91	6.96	4.14	0	0	0	.03	.09	30.16
238	HOLLYWOOD DAM	1.71	.79	3.22	2.50	7.68	4.95	3.40	T	0	0	.13	.04	24.42
241B	LONG BEACH - VETERAN'S MEMORIAL BUILDING	1.35	.72	2.98	1.80	5.61	4.60	3.16	.12	0	T	.02	.16	20.52
246B	CULVER CITY - BUS YARD	1.45	.55	2.68	2.09	7.49	5.67	3.28	0	0	0	.02	.03	23.26
250D	ACTON CAMP	1.91	.38	2.13	.72	4.20	2.57	3.66	0	0	0	0	.62	16.19
251	LA CRESCENTA	2.73	.76	5.91	3.20	9.67	6.86	6.30	.01	0	0	.17	.24	35.91
254B	PUENTE - ROWLAND RANCH	2.67	.84	4.20	2.20**	7.04*	7.04	4.98	.27*	0	0	.64	T	29.88**
255C	MOUNT SAN ANTONIO COLLEGE - SPADRA	2.77	1.33	4.51	2.65	8.00	7.04	5.63	.09	.04	0	.22	.12	32.40
256B	POMONA - FIRE STATION	2.25	.78	5.62	2.26	8.32	6.50	5.20	.17	T	0	.02	.10	31.22
257	GRIFFITH PARK NURSERY	1.41	.48	2.43	2.44	8.21	5.60	3.68	T	0	0	.12	.07	24.94
258a	GRIFFITH PARK TUNNEL	1.72	.69	3.24	2.63	8.65	5.06	2.33	0	0	0	.09	.10	24.51
258b	GRIFFITH PARK - SO. SLOPE, MOUNT HOLLYWOOD	1.82	.56	3.19	2.32	7.88	5.09	2.40	0	0	0	.07	.10	23.43
258C	GRIFFITH PARK - NO. SLOPE, MOUNT HOLLYWOOD	1.98	.66	3.35	2.31	7.91	5.25	2.29	0	0	0	.07	.07	23.89
259C	CHATSWORTH PATROL STATION	2.52	.83	7.34	2.71	9.23	6.82	5.85	0	0	0	0	.58	35.88
261B-E	ACTON - ESCONDIDO CANYON	1.72	.49	1.67	1.05	3.51	2.76	3.55	.17	0	0	.09	.17	15.18
263F	POMONA - STEVENS	2.32	.85	6.12	2.28	9.44	5.78	5.82	.24	0	0	.02	.22	33.09
265C	PUENTE HILLS - WEISEL RANCH	2.35	1.13	3.59	2.44	7.53	5.32	4.68	0	.05	0	.02	.17	27.28
266B	LEFFINGWELL RANCH - EAST WHITTIER	2.16	.62	3.02	2.12	5.81	4.46	3.10	T	0	0	.20	.13*	21.62**
269A	DIAMOND BAR RANCH NO. 1	2.00	.98	4.71	2.79	7.50	6.04	5.31	.08	.09*	0	.10*	.44*	30.04**
269B	DIAMOND BAR RANCH NO. 2	1.80	.91	5.86	2.55	7.18	6.01	5.31	.25	.09	0	.10	.44	30.50
270C	COUNTY FARM-RANCHO LOS AMIGOS	.98	.75	2.43	1.95	6.69	5.38	3.14	.01	0	0	.66	.03	22.02
271	DOMINGUEZ HILLS	1.55	.72	2.19	1.88	6.12*	4.90*	2.95*	.07*	0	0	.88	.13*	20.59*
272D	LOS ANGELES - HEADWORKS PUMPING PLANT	1.51	.63	4.10	1.53*	9.37	4.90	4.63	0	0	0	.21	0	26.88**
273D	SAN PEDRO HILLS - MC CARRELL	1.82	.74	3.22	3.02	7.86	6.41	3.34	.20	0	0	0	.16	26.77
274	ACTON - HUBBARD	1.84	.52	1.60	1.31	3.25	2.51	2.80	.16	0	0	0	.92	14.91
275	SAN MARINO HUNTINGTON LIBRARY	2.53	1.21	3.57	2.71	9.12	6.23	4.94	0	0	0	.44	T	30.75
277	SAWMILL MOUNTAIN RANCH	1.83	.78	7.65	1.55	10.47	8.21	6.65	.70	0	0	0	1.57	39.41
278B	LOS ANGELES - CLARK MEMORIAL LIBRARY	1.28	.54	2.80	2.07	7.57	5.31	3.03	0	0	0	.08	.03	22.71
280B	FLINTRIDGE FIRE STATION	1.64	.81	4.61	2.26	9.91	6.58	5.03	0	0	0	0	.05	30.89
283B	CRYSTAL LAKE - EAST PINE FLATS	5.96	2.13	14.47	4.05	14.15	12.48	9.94	.26	0	0	.28	1.16	64.88
284C	PLACERITA CANYON	2.40	.06	9.21	1.89	9.68	4.89	7.68	0	0	0	T	.10	35.91
285C	MOUNT ST. MARY'S COLLEGE	1.78	.38	4.00	3.45	10.01	7.83	4.58	0	0	0	0	0	32.03
287	GLENDORA - MUTUAL CONSOLIDATED IRRIGATION CO.	2.92	.58	5.59	3.10	7.40	8.08	6.25	.05	T	0	.11	.05	34.13
289	LAGUNA - BELL S.C.E. CO. SUBSTATION	1.30	.59	2.51*	1.70	6.58	4.75	2.97	0	0	0	.73	T	21.13**
290B	MONTEREY PARK - FIRE STATION	1.90	1.01	2.97	1.91	7.31	5.60	3.65	0	0	0	.76	.10	25.21
291	LOS ANGELES - 96TH AND CENTRAL	1.28	.49	2.52	1.74	6.45	5.52	3.44	.02	0	0	T	.05	21.51
292B-E	ENCINO RESERVOIR	1.23	.07	5.55	1.95	8.91	5.31	6.28	0	0	0	.01	.03	29.34
293-E	VAN NORMAN LAKE - LOWER DAM	2.02	.69	6.87	2.37	8.05	5.54	5.01	0	0	0	T	.17	30.72
294	SIERRA MADRE - MIRA MONTE PUMPING PLANT	2.48	.99	5.13	3.11	10.03	7.28	5.83	.02	0	0	.07	.14	35.08
295G	GLENDALE - STAPENHORST	1.35	.80	3.30	1.88	8.31	5.26	4.10	T	0	0	.11	.11	25.22
298B	GORMAN	.75	.50*	2.69	.80	5.22	4.42	3.69	.40	0	0	0	.25	18.72**
299C	LITTLE ROCK	1.02	.30	.73	.42	2.32	2.34	1.41	.10	0	0	.27	1.06	9.97
303F	PASADENA - CAL TECH	2.35	.73	3.67	2.55	9.60	6.37	5.14	T	0	T	.15	.15	30.71
304	SAWPIT CANYON - DEER PARK	3.60	1.50	8.23	5.24	10.12	10.21*	11.72	.22	T	0	.30	.25	51.39**
306C	TRANCAS BEACH	1.25	.56	2.87	2.30	8.26	6.33	2.13	0	0	0	0	.15	23.85
311b	PASADENA METEOROLOGICAL STATION	1.76	.63	3.76	2.38	10.55	6.36	4.78	T	0	0	.18	.04	30.44
312	AZUSA PLANT - GLENDORA IRRIGATION CO.	2.27	.65	5.03	2.66	7.40	7.98	4.63	T	T	0	.10	.03	30.75
318B	JACKSON LAKE - BIG PINES	2.55	2.12	7.36	1.68	10.48	7.68	5.19	.15	.09	.05	.23	4.54	42.12
321-E	PINE CANYON PATROL STATION	1.50	.60	6.92	1.90	8.38	6.94	7.42	.03	0	0	T	1.70	35.39
322	MUNZ VALLEY RANCH	.95	.35	3.81	1.06	5.24	3.19	4.06	.20	0	.20	0	0	19.07
334B-E	COGSWELL DAM	3.47	1.31	10.51	3.09	14.53	10.30	11.42	.11	T	0	.26	.29	55.29
336	SILVER LAKE RESERVOIR	1.30	.70	2.90	2.32	8.58	4.91	3.61	.01	0	T	.13	0	24.46
338A	MOUNT WILSON - OBSERVATORY	3.12	1.85	10.37	5.02	14.45	10.08	10.71	.06	0	0	.11	.57	56.34
338B	MOUNT WILSON - AIRWAYS STATION	2.74	1.83	8.68	3.43	11.74	9.13	7.81	.06	0	0	.09	.40	45.91
339	WALNUT FRUIT GROWERS ASSOCIATION	2.07	1.01	4.33	1.96	7.30	5.62	5.23	.14	.06	0	.18	.25	28.15
341	ALISO CANYON - BLUM RANCH	2.02	.33	2.01	.66	4.26	2.79	3.29	T	0	0	.11	.76	16.23
342B	UPLAND - CADNUM	2.53	1.33	6.60	2.90	8.77	7.20	6.92	.30	0	0	1.10	.70	38.35
347-E	BALDWIN PARK EXPERIMENTAL STATION	2.42	.81	3.77	2.12	3.85	6.86	6.68	0	0	0	0	.09	26.60
349B	CAMP RINCON	5.76	1.34	9.80	3.16	11.35	10.64	11.34	.02	0	0	.17	.20	53.78
351O	PALMDALE	1.56	.93	1.85	.98	3.20	2.94	2.26	.28	0	0	T	.42	14.42
352B	LACHUSA PATROL STATION	1.20	.42	6.06	4.83	10.24	8.35	5.25	T	0	0	0	.12	36.47
355	LOS ANGELES - CITY COLLEGE	1.25	.65	2.45	2.05	7.56	5.24	2.66	.01	0	0	.09*	.03	21.99**
356C	SPADRA - PACIFIC COLONY	2.09	1.19	4.59	2.30	7.15	6.26	5.06	.04	.02	0	.06	.16	28.92
357	VAN NORMAN RESERVOIR - UPPER	2.42	.48	7.33	2.41	8.19	6.36	5.54	0	0	0	0	.22	32.95
362B	EL MIRADOR RANCH	1.74	.72	3.24	2.62	10.08	5.84	4.66	0	0	0	.20	.05	29.15
363B	WILSON CANYON	4.24	.81	6.74	2.59	8.39	7.05	6.44	.15	0	0	T	.81	37.22
364	HAINES CANYON - LOWER	1.48	1.28	7.64	3.64	11.59	6.79	6.94	0	0	0	.08	.56	40.00
365C	MT. LUKENS	2.24	1.49	6.27	4.06	10.10	6.86	7.42	0	0	0	.22	.65	39.31
367	HAINES CANYON - UPPER	1.72	1.40	8.00	3.80	12.41	7.11	8.64	0	0	0	.05	.60	43.73
372	SAN FRANCISQUITO POWER HOUSE NO. 2	1.76	.69	5.95	2.14	7.63	7.01	4.92	.27	0	0	.02	.25	30.64
373B	BRIGGS TERRACE	1.96	1.16	6.58	3.41	10.73	7.34	6.47	0	0	0	.05	.49	38.19
375B	GRIFFITH PARK ZOO	1.99*	.85	5.90	2.35*	7.86	4.33*	2.77*	0	0	0	.21*	.20*	26.46*
377F	LAKE SHERWOOD ESTATES	1.33	.40	6.30	3.13	8.64	7.39	6.89	.05	0	0	0	.16	34.29
379B	SAN GABRIEL - EAST FORK	3.64	1.21	7.99	2.98	9.67	9.44	9.27	.21	.02	0	.11	.27	44.81
380	EL SERENO - MORGAN	1.92	.77	2.90	2.16	8.12	5.92	3.77	.01*	0	0	.27*	.07	25.91**
381C	SANTA MONICA - OUTLOOK	1.81	.36	2.73	2.22	7.87	7.13	2.97	.02	0	0	.02	.03	25.16
384B	HIGHLAND PARK - SAN RAFAEL HILLS	1.95	.85	3.68	2.35	9.75	6.40	4.37	0	0	0	.15	.06	29.56
386C	ZUMA CANYON - OAKLEY	1.06	.72	7.13	5.16	11.79	10.16	5.76	.02	0	0	T	.34	42.14
388C	PARAMOUNT FIRE STATION	1.32	.74	2.52	1.90	8.03	5.38	2.87	0	0	0	.15	.16	23.07
389	GLENDORA - BROWN	2.70	.79	5.83	3.38	7.20	7.90	6.46	.09	.02	0	.12	.02	34.51
390B-E	MORRIS DAM	3.32	1.06	7.16	3.65	9.00	9.56	5.76	.12	.01	0	.17	.11	39.92
391B	MONTEBELLO - FIRE DEPARTMENT	1.45	1.01	2.94	1.96	8.01	5.22	3.52	0	0	0	.38	.30	24.79
394	HIGHLAND PARK - LINDSAY	1.61	.56	3.19	2.29	8.16	6.05	3.14	.02	0	0	.14	.10	25.26

SEASONAL 1957-58 MONTHLY RAINFALL SUMMARY

RAINFALL RECORDS IN INCHES

STA. NO.	STATION	OCT	NOV.	DEC.	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	SEAS. TOTAL
395B	OLIVE VIEW SANITARIUM	3.96	.75	6.30	2.42	7.82	6.58	6.01	.08	0	0	T	.45	34.37
402C	CEDAR SPRINGS - STATE PRISON CAMP	3.19	1.60	13.28	3.36	13.43	13.65	15.39	.27	0	0	0	1.15	65.32
405	SOLEDAD CANYON - ECKLES	1.78	.84	3.85	1.22	6.44	4.29	4.10	0	0	0	0	0	22.52
406C	WEST AZUSA - AZUSA IRRIGATION CO. PLANT NO. 6	2.37	.56	4.62	2.09	7.17	7.67	5.40	0	0	0	.17	.03	30.08
407-E	NEWHALL - U.S.F.S. HEADQUARTERS	2.07	.72	7.71	2.40	8.55	6.27	7.15	0	0	0	.07	.18	35.12
409	RIDGE ROUTE - STATE HIGHWAY MAINTENANCE STATION	.47	.40	5.25	1.00	8.80	4.10	6.25	.35	0	0	0	1.30	27.92
410D	RIDGE ROUTE - PARADISE RANCH	1.55	.50	6.55	2.51	9.03	9.24	6.55*	0	0	0	0	0	35.93*
411C	RIVERA - PICO - ROBINSON	1.42	.81	2.85	1.74	8.62	5.37	3.20	.01	0	0	.59	.17	24.78
415	SIGNAL HILL - CITY HALL	1.22	.57	2.34	1.54	6.01	4.78	3.01	.05	0	0	.01	.07	19.60
419B	SANTA CLARA RIDGE - MT. GLEASON	2.14	1.36	5.24	3.75	8.69	7.32	6.76	.09	0	0	.17	.60	36.12
420A	ACTON - COLOMBO RANCH	2.01	.52	2.94	1.02	6.05	3.25	4.95	0	0	0	0	.20	20.94
422D	PACOIMA CANYON - WALSH RANCH	2.85	1.27	5.99	3.85	9.67	8.72	8.19	0	0	0	0	.52	41.06
423A'	ACTON - ALISO CANYON	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	.11	N.R.	INC.
425B-E	SAN GABRIEL DAM	3.40	1.03	9.02	4.12	10.21	9.19	8.46	.19	T	0	.19	.14	45.95
427B	DOWNEY - JORDAN	1.32	.69	2.76	1.86	7.58	5.39	3.02	.01	0	0	.56	.09	23.28
430	SAUGUS - STATE HIGHWAY MAINTENANCE STATION	1.88	.31	4.20	1.38	5.32	4.06	4.17	0	0	0	T	.10	21.42
432	SANTA ANITA - FERN LODGE	3.59	1.25	7.36	4.40	11.41	9.86	8.78	.08	.02	0	.08	.44	47.27
433C	FAIR OAKS DEBRIS BASIN	2.21	.72	4.00	2.68	11.57	6.99	6.96	.01	0	0	.13	.22	35.49
434	MALIBU - DIVISION HEADQUARTERS	1.02	.48	5.36	1.97	8.16	6.17	6.06	0	0	0	0	.23	29.45
435	MONTE NIDO	1.10	.57	6.67	3.96	11.49	8.06	4.98	0	0	0	0	0	36.83
436B	HANSEN DAM	1.56	.42	3.05	1.44	5.95	4.20	4.44	0	0	0	.10	.12	21.28
437	HAMILTON BOWL - LONG BEACH	1.19	1.40	2.13	1.44	4.97	4.07	2.92	.05	0	0	0	0	18.17
440B	CHILAO - U.S.F.S. CAMP	3.45	1.21	8.08	2.00	11.01	7.93	8.74	0	0	0	.14*	.25	42.81**
441B-E	PALMDALE - COUNTY ROAD MAINTENANCE YARD	1.57	.40	1.59	.83	2.94	2.42	1.64	.20	0	0	0	.30	11.89
442	MESCAL CREEK - FORT TEJON ROAD	1.55	.51	.80	.25	2.91	1.93	2.03	.02	.02	0	.17	1.02	11.21
443B	LATIGO CANYON BEACH RANCH	1.09	.78	7.81	4.92	11.49	10.72	6.34	.03	0	0	.06	.30	43.54
444C	ROLLING HILLS	1.50	.58	3.08	2.40	7.73	6.14	3.67	.24	0	0	0	.23	25.57
445B	LIVE OAK DAM	3.49	1.26	6.69	3.32	8.30	7.43	7.03	.17	.03	0	.71	.32	38.75
446	ALISO CANYON - SANTA SUSANA MTS.	2.95	1.08	8.42	3.39	9.59	8.63	6.71	T	0	0	.23	.41	41.41
447B	LAS FLORES PATROL STATION	1.05	.35	3.96	2.81	10.17	6.35	3.05	0	0	0	0	0	27.74
449B	EATON DAM	2.60	.86	5.31	2.56	10.33	6.85	5.32	T	0	0	.08	.13	34.04
451B	CASTAIC PATROL STATION	1.46	.21	4.28	1.85	6.18	5.63	4.38	0	0	0	0	0	23.99
453B	DEVILS GATE DAM	1.84	.65	4.35	2.42	10.61	6.95	5.01	0	0	0	.27	.19	32.29
455	LANCASTER - STATE HIGHWAY MAINTENANCE STATION	1.58	.59	1.30	.76	3.09	2.18	2.19	0	0	0	0	.36	12.05
456	PIUTE BUTTE - GOLDEN MESA DUDE RANCH	.65	.19*	.40*	.26	1.39	2.25	1.04	0	0	0	.35	0	6.53**
458	ZUMA CANYON PATROL STATION	1.06	.67	3.65	2.78	6.95	5.56	4.03	0	0	0	0	0	24.70
460B	PLEASANT VIEW MESA - NEAL	1.76	.43	1.41	.70	3.15	3.41	3.36	0	0	0	0	.39	14.61
461	BALDWIN HILLS - STANDARD OIL FIELD OFFICE	1.36	.54	2.10	1.58	6.28	5.55	2.52	0	0	.02	0	.08	20.03
462B	HILLCREST COUNTRY CLUB - LOS ANGELES	1.63	.59	3.23	2.53	7.27	6.28	2.87	0	0	0	.05	.10	24.55
463B	MAR VISTA SO. CALIFORNIA WATER CO.	1.42	.51	3.16	2.03	7.04	6.11	2.42	0	0	0	0	T	22.69
465C	SEPULVEDA DAM	1.22	.27	4.13	1.40	7.55	4.19	5.08	0	0	0	.23	.02	24.09
466B	PACOIMA CANYON - DUTCH LOUIE CANYON	2.88	1.52	5.62	4.11	9.09	8.98	8.49	0	0	0	0	.75	41.44
468	PICKENS DEBRIS BASIN	1.97	.85	4.61	2.66	8.09	6.05	4.99	0	0	0	.09	.21	29.52
470	TUJUNGA - MILL CREEK	2.42	.57	3.24	1.72	6.72	5.50	4.79	.04	0	0	.28	.03	25.31
471	LITTLE TUJUNGA - GOLD CREEK	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	.36	INC.
473	AQUA DULCE CANYON - BLACKWELL RANCH	1.69	.58	2.60	.89	4.80	3.40	4.72	.09	0	0	.14	.02	18.93
474B	SOUTH GATE - FIRE DEPARTMENT	.78	.43	2.55	1.84	7.51	5.45	3.00	.02	0	0	.62	.05	22.25
475	SAUGUS - NEWHALL LAND & FARMING COMPANY	2.03	.34	5.07	1.46	6.45	4.14	5.00	.01	0	0	.02	.04	24.56
476D	TRIUNFO CANYON	1.14	.27	6.01	2.42	8.76	6.53	6.22	0	0	0	0	T	31.35
477B	SANTA ANITA - SPRING CAMP	4.19	1.50	10.77	5.28	13.77	11.29	10.66	.19	0	0	.20	.65	58.50
478	VALYERMO - U.S.F.S. HEADQUARTERS	1.61	.41	2.11	.38	4.35	3.10	3.02	.20	T	0	.27	.20	15.65
480B	TEMPLE CITY FIRE STATION	2.19	.90	3.29	2.11**	8.10	6.33	4.05	0	0	0	.17	.03	27.17**
482	LOS ANGELES - U.S.C.	1.27	.93	2.51	1.96**	8.77	4.73	3.10	0	0	0	.24	T	23.51**
486B	COLDWATER CANYON - WIDMAN RANCH	3.89	2.44	8.13	3.60	9.45	9.02	9.74	.28	.08	0	.18	.65	47.46
488B	KAGEL CANYON PATROL STATION	1.52	.68	3.40	1.99	6.48	5.68	5.28	0	0	0	.08	.26	25.37
489	COLD CREEK - STUNT'S RANCH	1.02	.52	8.50	4.06	11.61	10.49	5.49	T	0	0	T	0	41.69
490	LANCASTER - WILEY RANCH	1.25	.18	.60	.50	1.82	2.07	1.02	.02	0	0	.45	.20	8.11
491B	PACIFIC PALISADES	1.48	.44	3.76	2.72	9.97	6.71	3.21	0	0	0	0	.08	28.37
492	CHILAO - STATE HIGHWAY MAINTENANCE STATION	3.37	1.10	8.01	2.12	10.95	7.53	8.10	0	0	0	.14	.20	41.52
493B	SAND CANYON - BARRUS	2.76	.93	6.58	2.25	8.59	6.32	9.59	.05	0	0	.03	.40	37.50
497	CLAREMONT - SLAUGHTER	2.80	1.20	6.43	2.75	8.09	6.84	6.41	.16	0	0	.72	.32	35.72
498	ANGELES CREST HIGHWAY - DARK CANYON TRAIL	2.11	1.42	6.59	4.25	10.89	7.06	6.32	0	0	0	.02*	0	38.66**
508C	ARROYO SECO - RANGER STATION	2.03	1.06	5.08	1.81	10.90	7.09	5.36	0	0	0	.08	.20	33.61
517B	ANDERSEN RANCH (LEWIS RANCH)	2.02	.57	4.12	.80	8.68	4.68	5.20	.12	0	0	0	.09	26.28
519B	ELISABETH LAKE - STRANDBERG	2.36	.91	5.99	1.68	7.73	6.28	6.98	.34	0	0	.10	1.20	33.57
542-E	FAIRMONT	1.45	.39	7.31	1.28	7.57	6.30	5.17	.07	0	0	T	.87	30.41
551	HUENEME LIGHTHOUSE	1.09	.10	2.99	1.44	4.63	6.57	3.24	.04	0	0	0	0	20.10
564B	LLANO	.72	.35*	1.04**	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	INC.
565B	LONG BEACH - CITY AUTOMATIC	1.35	.56	2.38	1.60	5.67	4.63	3.05	.05	0	T	.02	.05	19.36
566	LONG BEACH NO. 1	1.40	.51	2.52	1.85	5.88	4.17	3.23	.06	0	T	.03	.09	19.74
571C	LONG BEACH NO. 6	1.45	.45	2.48	1.84	5.51	4.26	3.09	.05	0	T	.02	.08	19.23
575C	LONG BEACH WEATHER BUREAU	1.24	.67	3.33	1.76	6.01	5.09	3.27	.11	0	0	.02	.15	21.65
577F	LOS ANGELES (U.S.W.B.) - FEDERAL BUILDING	1.51	.51	2.14	2.08	6.46	5.30	3.09	.04	0	T	.39	.07	21.59
587B	SAN ANTONIO CANYON - POWER HOUSE NO. 1	2.97	1.82	8.38	3.94	9.57	9.50	8.84	.21	.03	0	.14	.46	45.86
588C	MOUNT LOWE	1.57	.92	3.54	2.22	6.96	5.17	4.62	0	0	0	.09	.51	25.60
593B	NEWHALL RANCH	1.82	.32	5.92	2.20	7.24	8.06	6.43	T	0	0	.03	.58	32.60
598	NEENACH	.29	.34	3.03	.51	4.38	1.62	3.22	.62	0	0	T	.72	14.73
610A	PASADENA - JONES	2.17	.75	4.18	2.41	9.98	6.00	6.22	T	0	0	.24	.13	32.08
610B	PASADENA - CITY HALL	1.97	.69	3.76	2.56	10.05	5.93	5.62	T	0	0	.20	.10	30.88
611C	ALTADENA GOLF COURSE	2.21	.69	5.58	2.31	9.10	5.91	6.97	0	0	0	.17	.11	33.05
612	PASADENA - CHLORINE PLANT	2.08	.99	4.84	2.57	10.71	7.22	5.36	T	0	0	.09	.19	34.05
613B	PASADENA - HURLBUT FIRE STATION	2.02	.73	3.51	2.39	9.14	5.99	5.32	T	0	0	.18	.18	29.46
617B	POMONA - ADAMSON	2.75	1.03	5.85	2.49	7.97	6.56	5.73	.08	T	0	.02	.30	32.78
618B	TAPO CITRUS ASSOCIATION	1.83	.60	3.56	2.66	6.47	5.33	5.00	0	0	0	0	.26	25.71
619	SAN ANTONIO CANYON - SIERRA POWER HOUSE	4.72	2.13	11.06	3.97	12.67	11.06	11.14	.22	.05	0	.27	.51	57.80
627	SAN GABRIEL CANYON POWER HOUSE	2.54	.95	5.52	2.95	7.67	7.86	5.60	.10	.03	0	.18	.04	33.44
629C	SAN PEDRO U.S.W.B.	1.32	.47	2.44	2.30	6.42	5.40	3.23	.51	0	0	0	.04	22.13
634B	SANTA MONICA - CITY HALL	1.58	.35	3.15	2.19	7.67	5.44	2.65	T	0	0	.02	T	23.05
644	SOMIS - SNYDER RANCH	1.98	.66	3.67	3.00	6.22	6.69	4.23	0	0	0	0	.05	26.50
647G	SUNLAND - TUJUNGA	2.34	.85	3.51	1.90	7.45	5.03	4.71	T	0	0	.22	.42	26.43
650B	UPLAND - BAIRD	3.93	1.13	6.83	4.11	7.76	7.71	6.81	.16	.07	0	.51	.52	39.54
660	OXNARD	1.13	.08	3.47	2.09	6.29	6.87	4.04	.01	0	0	0	.01	23.99
662	LONG BEACH - 37TH & GAVIOTA	1.48	.68	2.08	1.47	6.57	4.78	3.30	.06	0	T	.10	.12	20.64
666B	LONG BEACH - 60TH & LINDEN	1.06	.56	1.95	1.99	7.26	4.62	2.85	T	0	T	.05	.10	20.44
672	EAGLE ROCK S.C.E. CO. SUBSTATION	1.74	.91	3.63	2.35	9.49	5.96	4.36	T	0	0	.20	.04	28.68
673B	SEAL BEACH - POWER PLANT	1.53	.13	2.26	2.03	5.05	4.05	2.71	.01	0	0	.15	.01	17.93
676	LOS ANGELES - WEST 80TH STREET	1.53	.60	2.50	1.99	7.59	5.71	3.06	.02	0	0	.05	T	23.05
677C	PASADENA - HOFFNER	1.92	.70	4.08	2.81	10.03	6.09	4.96	T	0	0	.13*	.13*	30.85**
678	PASADENA - SHELDON RESERVOIR	1.79	.66	4.06	2.48	10.57	6.55	5.22	T	0	0	.13	.13	31.59
679	PUENTE - NORTH WHITTIER HEIGHTS CITRUS ASSOCIATION	2.05	.74	3.61	2.57	6.56	6.30	5.60	.01	.02	0	.47	.03	27.76
680B	WESTWOOD - U.C.L.A.	1.42	.53	3.41	2.46	8.55	5.71	3.02	T	0	0	.02	.05	25.17
681A	SIERRA MADRE RANGER STATION	3.10	.80	5.39	2.90**	9.66	6.12	6.97	.03*	0	0	.07*	.13*	35.17**
683	SUNSET RIDGE GUARD STATION	2.07	.95	4.63	2.62	10.13	7.20	5.29	.01	0	0	T	.20	33.10
689B	SAN MARINO - COOPER	2.31	.69	3.51	2.59	9.04	6.08	4.80	0	0	.03*	.07	.07	29.19**
691B	SAN ANTONIO SPREADING GROUNDS	3.13	1.56	7.54	3.90	8.32	7.83	7.87	.12	0	0	.36	.38	41.00
695B	TUJUNGA CANYON - VOGEL FLAT	1.86	1.39	7.41	4.26	11.33	8.48	9.92	0	0	0	.08	.40	45.14
696	PASADENA GLEN	2.79	1.08	5.60	2.57	11.00	6.69	6.02	0	0	0	.12	.26	36.13
703	GLENDALE - MC INTYRE	2.59	.81	3.27	1.88	8.21	4.89	3.97	0	0	0	.11	.02	25.75
705	ALDER CREEK - PARADISE RANCH	2.59	1.00	4.24	2.45	7.19	6.56	6.50	.01	0	0	.05	.38	30.97
715B	LOS ANGELES POST OFFICE TERMINAL BUILDING	1.57	.53	2.49	2.09	7.50	5.70	3.06	0	0	0	.36	.07*	23.37**

SEASONAL 1957-58 MONTHLY RAINFALL SUMMARY

RAINFALL RECORDS IN INCHES

STA. NO.	STATION	OCT.	NOV.	DEC.	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	SEAS. TOTAL
716	L.A.W.D. - SUCCOMMUN ST	1.56	.48	2.55	2.10	7.60	5.74	3.33	.03	0	0	.45	.02	23.86
718	THOUSAND OAKS	1.30	.30	4.91	2.28	6.93	6.15	6.56	0	0	0	0	0	28.43
719	DUARTE - MADDOCKS RANC	2.15	.93	4.84	2.88	7.69	8.11	5.97	.07	T	0	.03*	.07	32.74**
720	SIMI VALLEY - FORSON RE	3.62	.65	5.00	2.45	10.05	5.45	7.00	0	0	0	0	.02	34.24
722C	BELLEVIEW - STRATMAN	1.22	.50	2.70	1.42	4.51	3.04	4.49	.24	0	0	0	.12	18.24
724	BIG DALTON - MONROE C/	3.48	1.13	7.80	4.32	9.22	8.60	8.54	.09	.01	0	.28	.25	43.72
725	BIRMINGHAM HOSPITAL	1.48	.44	5.21	1.75	10.16	4.67	6.14	0	0	0	.07	.15	30.07
726	ANGELES CREST-GUARD ST	2.32	1.42	6.80	4.48	13.30	7.13*	7.17	0	0	0	.02	.64	43.28*
727	NEWCOMB PASS	2.95	1.73	9.58	4.28	11.91	9.11	11.88	.11	0	0	.15	.51	52.19
728	PACOIMA CANYON - CITY	3.04	1.73	6.72	4.22	10.30	9.63	9.97	0	0	0	.17	.60	46.56
730	MILLARD CANYON - DAWN	2.56	1.50	5.79	3.62	11.39	8.45	7.56	0	0	0	.05	.26	41.18
731	OAK GROVE HEADQUARTERS	2.01	.74	5.01	2.30	10.31	6.65	4.92	0	0	0	.05	.11	32.10
732B	ROBERT'S CANYON - SAN	4.73	1.44	10.34	4.13	13.77	11.29	10.66	.19	0	0	.26	.26	57.07
734B	L.A. MUNICIPAL AIRPORT	1.27	.46	2.10	1.49	6.26	5.30	2.04	.01	T	T	.02	.03	18.98
735B	BELL CANYON - RUSHWORT	1.37	.33	5.66	2.36	8.44	5.42	5.65	.05	0	0	0	.04	29.32
737	UPPER SESPE-CHORO GRAN	1.25	.50	8.54	2.00	15.01	8.98	9.80	.12	0	0	0	.06	46.28
739	SANTA PAULA - LIMONEIR	1.02	.32	4.06	2.96	6.65	7.43	4.55	.06	0	0	0	.45	27.50
740B	SAN DIMAS CANYON - FE	4.20	2.45	12.62	4.37	13.68	10.63	10.54	.15	.02	0	.69	.61	59.96
741	SAN DIMAS CANYON - UPP	4.09	1.69	8.86	3.69	10.52	8.72	9.29	.13	.03	0	.96	.39	48.39
742B	SAN GABRIEL - FIRE DEP	2.47	.98	3.00	2.26	7.82	6.51	4.27	T	0	0	.31	.03	27.65
746	MOJAVE - BACKUS RANCH	1.41	.31	1.74	.43	3.70	2.91	2.26	T	0	.16	T	.20	13.12
747	SANDBERG - AIRWAYS STA	.59	.36	4.28	.88	6.97	3.25	3.75	.28	0	0	T	.78	21.14
749	BURBANK - U.S.W.B.	2.42	.27	3.46	1.18	6.95	3.68	3.62	T	T	T	.08	.04	21.70
750	PALMDALE - C.A.A.C. ST	1.51	.27	.98	.62	2.18	1.87	1.79	0	0	0	.12	.81	10.15
751B	TORRANCE - FIRE DEPART	1.00	.69	2.68	1.97	6.76	4.73	2.88	.03	0	0	0	.04	20.80
755	GRIFFITH PARK - LITTLE	1.40	.65	3.16	2.57	8.74	5.94	4.27	0	0	0	.12*	.17	27.02**
756	GRIFFITH PARK - UPPER	1.22	.52	3.46	2.68	7.89	5.14	4.11	0	0	0	.12*	.15	25.29**
757	GRIFFITH PARK - FERN DA	1.27	.50	2.83	2.26	7.50	4.75	3.48	0	0	0	.09*	.15	22.83**
758	GRIFFITH PARK - LOWER	1.05	.39	2.75	2.11	6.75	4.33	2.77	0	0	0	.21*	.20	20.56**
759	HOLLYWOOD - 1736 COURT	1.33	.50	2.75	2.21	6.92	4.80	3.03	0	0	0	.09*	0	21.63**
760	STUDIO CITY - 3913	2.44	.30	4.79	2.38	9.06	5.50	4.42	0	0	0	.02*	0	28.91**
761	STONE CANYON - NORTH	1.86	.64	2.76	2.53	10.00	8.45	3.72	0	0	0	.02*	0	29.98**
762	UPPER STONE CANYON	1.82	.36	4.76	2.33	8.93	5.92	4.40	0	0	0	.02*	0	28.54**
763B	SEPULVEDA CANYON - EAST	1.73	.39	3.73	1.73	6.71	7.06	2.79	0	0	0	.03*	0	24.17**
764	STONE CANYON - 2302 RI	1.45	.42	4.55	2.62	9.49	7.02	2.78	0	0	0	.03*	0	28.36**
765D	15801 MULHOLLAND DRIVE	1.59	.40	4.02	2.38	9.21	7.97	3.76	0	0	0	.02*	0	29.35**
766	MANDEVILLE CANYON - FI	1.38	.25	5.19	2.11	9.26	6.60	5.47	0	0	0	T	0	30.26
767	3351 MANDEVILLE CANYON	1.30	.37	5.68	3.12	10.38	9.48	3.52	0	0	0	T	0	33.85
768	SULLIVAN CANYON - FIRE	1.11	.41	4.35	1.61	7.06	6.93	3.95	0	0	0	0	0	25.42
769	SANTA YNEZ CANYON - TE	1.12	.38	5.80	2.40	9.20	6.97	4.99	0	0	0	T	0	30.86
770	SANTA YNEZ CANYON - PA	.86	.35	2.53	2.50	6.52	5.70	2.73	0	0	0	0	0	21.19
771	RUSTIC CANYON - SANTA	1.09	.15	3.25	2.45	7.66	5.94	2.86	0	0	0	.02*	0	23.42**
772	ECHO PARK AND LUCRETIA	1.24	.35	2.69	1.96	8.80	5.30	3.26	0	0	0	.18*	0	23.58**
774	BARLOW SANITARIUM	1.67	.48	2.86	1.98	8.31	5.13	3.09	0	0	0	.25*	0	23.77**
776	NICHOLS CANYON - NEAR	2.57	.61	3.65	2.84	8.60	6.74	2.85	0	0	0	.10*	0	27.96**
777	KENTER CANYON - 259 NO	1.65	.31	3.67	2.91	9.38	7.69	2.39	0	0	0	.02*	0	28.02**
778B	SEPULVEDA CANYON - 1188	1.81	.33	4.01	2.99	9.73	7.96	2.80	0	0	0	0	0	29.63
779	GRIFFITH PARK - LOWER	1.56	.50	3.70	2.26	8.81	5.05	4.31	0	0	0	.21*	.23	26.63**
780	GRIFFITH PARK - UPPER	1.75	.52	3.85	2.34	8.77	5.01	4.00	0	0	0	.07*	.20	26.51**
783	COON CANYON	2.01	1.05	4.85	3.75	10.51	6.42	5.25	0	0	0	.08	.24	34.17
784	COON CANYON	2.19	1.04	5.07	2.77	11.02	7.31	5.23	0	0	0	.06	.19	34.88
785	COON CANYON	2.32	1.08	5.51	2.97	11.50	7.63	5.63	0	0	0	.06	.27	36.97
786	COON CANYON	2.08	1.11	5.20	2.75	9.61	7.21	5.10	0	0	0	.02	.20	33.28
787	COON CANYON	2.05	1.17	5.53	2.91	10.44	7.35	5.18	0	0	0	.03	.24	34.90
788	COON CANYON	2.17	1.13	5.21	2.82	9.98	7.16	5.01	0	0	0	T	.19	33.67
789	EL PRIETO CANYON	2.78	1.47	5.77	3.02	10.89	7.72	5.55	0	0	0	.07	.19	37.86
790	FILLMORE CITRUS ASSOCIA	1.56	.76	6.61	2.75	7.73	9.10	5.39	0	0	0	0	.10	34.00
791	BUENA VENTURA LEMON ASS	.74	.48	3.51	2.37	7.18	7.86	3.97	0	0	0	0	.35	27.17
792	COUNTY AGRICULTURE OFFI	2.46	.55	4.35	2.82	7.28	8.13	5.48	0	0	0	0	.25	31.37
793	MARKHAM SADDLE	3.00	1.02	8.43	5.68	12.22	10.25	10.49	0	0	0	.11	.42	52.82
794	LOWER FRANKLIN RESERVO	1.36	.48	2.95	2.07	6.93	5.73	2.41	0	0	0	.02	.10	22.05
795	PASADENA - JOURDAN	2.55	.76	4.11	2.39	9.67	6.22	4.72	T	0	0	.13	.13	30.68
796	FIRE DEPARTMENT - ELYS	1.60	.37	2.13	1.65	5.36	4.40	2.72	0	0	0	.20*	0	18.43**
797	DE SOTO RESERVOIR	2.30	.94	6.91	2.31	8.26	6.33	5.24	0	0	0	.03	.35	32.67
799	BALDWIN HILLS RESERVOI	1.46*	.58	2.25	1.70	6.41	5.28	2.35	0	0	0	.01	.10	20.14**
801	MAGIC MOUNTAIN	2.47	1.40	6.09	2.67**	9.91*	8.70	8.82	0	0	0	.15*	.30	40.51*
802B	EAGLE ROCK RESERVOIR	1.51	.79	3.37	2.25	8.44	5.34	3.79	0	0	0	.11	.04	25.64
804	NORTH CANYON (GRIFFITH	1.63	.63	3.94	2.43	9.26	6.54	3.00	0	0	0	.07*	0	27.50**
806	2376 TEVIOT STREET (W.*	1.04	.52	2.44	1.98	8.03	4.26	2.56	0	0	0	.15*	0	20.98**
807	ASCOT RESERVOIR	1.31	.61	2.84	2.18	8.21	6.37	3.26	.01	0	0	.27	.11	25.19
1000	HUNT CANYON - BONES R	1.28	.52	1.49	.58	2.81	3.22	2.27	0	0	0	.15	1.80	14.92
1002	TUJUNGA - EADE	1.70	.57	4.09	2.27	8.11	5.35	5.09	.01	0	0	.40	.37	27.96
1005	MINT CANYON - THE OAKS	3.20	.62	3.58	2.18	5.26	4.89	4.55	0	0	0	T	.15	24.43
1006	SAN PEDRO - CITY RESERV	1.56	.48	2.17	2.92	5.76	5.24	3.07	0	0	0	0	.02	21.22
1007B	CAMP VALCREST - ANGELE	3.24	1.23	8.11	2.14	9.12	7.41	6.06	.15	0	0	.13*	.25	37.84**
1008-E	LA FRESA - S.C.E. CO.	1.35	.73	2.34	2.02	6.38	5.07	2.95	0	0	0	.08	.06	21.00
1009	MINT CANYON - DYER	2.07	.53	6.42	1.12	6.11	3.83	5.36	0	0	0	.02	.22	25.68
1010B	PALMER CANYON - FORKS	3.47	1.78	8.48	4.15	9.17	8.44	8.70	.16	0	0	.95	.41	45.71
1011B	PALOS VERDES FIRE STATI	1.09	.85	2.59	2.39	6.29	5.96	2.37	0	0	0	0	.07	21.61
1012	CASTAIC JUNCTION	1.45	.35	4.52	1.54	5.59	5.09	4.34	T	0	0	T	.16	23.09
1013B	TUJUNGA CANYON ABOVE GO	1.62	.89	5.83	2.60	8.62	5.68	6.03	0	0	0	.04	.29	31.60
1014D-E	RIO HONDO SPREADING G	1.29	1.01	2.90	1.77	7.70	5.08	3.04	0	0	0	.59	.04	23.42
1016	PALO COMADO CANYON - AG	1.10	.36	5.20	1.75	8.05	5.40	5.86	0	0	0	0	.05	27.77
1017	LITTLE ROCK CREEK ABOVE	1.57	.44	1.50	.63	3.61	2.87	2.35	.11	0	0	0	.43	13.51
1018B	SANTA SUSANA MTS. - DEV	2.14	1.25	6.90	3.89	12.03	8.50	6.75	T	0	0	T	.54	44.00
1019	SANTA SUSANA MTS. - SAL	1.81	.67	5.60	2.41	8.84	8.32	6.65	0	0	0	T	.50	34.80
1020	PADUA HILLS PATROL STAT	2.94	2.21	7.11	3.87	9.30	7.48	7.65	.14	.03	0	1.08	.40	42.21
1021	YERBA BUENA WATER TANK	2.70	1.04	4.42	2.55	7.49	6.84	6.78	.09	0	0	.07	.53	32.51
1022	HASLEY CANYON - WESTERN	1.58	.40	4.70	2.35	7.12	7.82	5.43	.21	0	0	T	.88	30.49
1023B	GARRAPATA CANYON - SPEE	1.40	.47	6.25	2.36	9.18	6.76	7.31	0	0	0	T	.03	33.76
1025	MALIBU BEACH - DUNNE	1.10	.40	4.24	3.00	8.65	6.37	2.54	0	0	0	0	0	26.30
1028B	CORRAL CANYON	1.11	.87	5.10	4.70**	11.79	9.38	4.80	0	0	0	0	.05	37.80**
1029	TUJUNGA MILL CREEK SUMM	2.57	.59	3.70	2.01	8.49	5.27	5.09	0	0	0	.24	.03	27.99
1030	MT. ISLIP - LITTLE JIM	3.21	1.61	13.35	3.38	13.50	13.71	15.47	.27	0	0	0	.77	65.27
1031B	MT. WATERMAN	3.54	1.26	10.17	2.36	12.63	7.70	9.60	.06	T	0	.36	1.15	48.83
1035	WHITTIER - WOOD	1.47	.96	2.86	2.02	7.20	5.48	3.65	T	0	0	.80	.14	24.58
1036	LITTLE TUJUNGA CANYON	2.31	1.30	4.12	3.17	7.67	7.20	7.23	0	0	0	0	.47	31.47
1037-E	ARCADIA - ARBORETUM	2.50	.59	4.17	2.51	9.12	6.53	5.00	.04	0	0	.50	.13	31.09
1038	MT. PACIFICO	1.73	.49	3.72	1.41	5.50	3.86	3.60	.07	0	0	0	1.58	21.96
1039B	LOS ANGELES - MAC QUEEN	1.54	.54	2.61	2.14	7.54	5.58	3.07	0	0	0	.10	.06	23.18
1040	POTRERO CANYON - SUNRAY	1.56	.56	4.70	2.02	7.40	6.93	5.58	0	0	0	0	.58	29.33
1041B	SANTA FE DAM	2.21	.82	3.49	1.82	6.56	6.62	4.92	0	0	0	.17	.08	26.69
1042	EASTFIELD GATE - ROLLIN	1.87	.79	3.15	3.50	7.91	7.57	4.15	.31	0	0	0	.09	29.34
1043	EAST CREST GATE - ROLLI	2.07	.05	2.13	2.85	6.18	7.11	3.16	.33	0	0	0	.06	23.93
1044	PORTUGUESE BEND	1.38	.41	1.45	2.01	4.95	5.63	3.10	.23	0	0	0	0	19.16
1045	WEST GATE - ROLLING HIL	1.71	.42	2.59	2.02	4.82	4.93	2.59	.22	0	0	0	.02	19.32
1046B	BIG SANTA ANITA - CHANT	2.95	1.30	6.74	4.45	10.91	8.72	7.85	0	0	0	T	.34	43.26
1047	PUENTE - REINHARD	2.75	.65	4.07	2.25	6.52	5.73	5.47	.01	T	0	.17	.11	27.73
1048	LA CRESCENTA - COUNTY	2.10	.69	5.97	3.03	11.86	6.43	5.99	0	0	0	.31	.19	36.57
1050	OLD TOPANGA CANYON - GA	1.38	.55	9.33	3.39	13.39	8.15	8.34	0	0	0	0	0	44.53

SEASONAL 1967-68 MONTHLY RAINFALL SUMMARY

RAINFALL RECORDS IN INCHES

STA. NO.	STATION	OCT	NOV.	DEC.	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	SEAS. TOTAL
1051	CANOGA PARK - PIERCE COLLEGE	1.74	.50	6.60	1.62	7.34	4.50	4.18	.01	0	0	.03*	.14	26.66**
1052	CAMP JOSEPHO	1.50	.54	5.28	4.02	11.66	8.93	4.37	0	0	0	.20	.04	36.55
1053	TUJUNGA CANYON - SOLOMON	1.68	.55	4.82*	2.23	8.40	5.32	4.87	.10	0	0	.10	.23	28.40**
1054	VETERAN'S HOSPITAL - SAN FERNANDO	2.56	.69	4.46	2.57	7.38	6.31	5.87	.04	0	0	.04	.85	30.77
1055	SAN ANTONIO DIVIDE	4.75	2.59	8.60	4.75	10.38	10.25	8.92	.37	0	0	.05	.85	51.51
1056	LANCASTER - MC CARGAR	1.18	.28	.79	.62	2.45	2.05	1.76	.05	0	0	0	.28*	9.44**
1057B	WHITTIER NARROWS - ABOVE DAM	1.48	.97	2.93	2.08	6.94	3.90	3.93	T	0	0	.23	.02	22.48
1058	PALMDALE 2 N.E.	1.56	.93	1.85	.98	3.20	2.94	2.26	.28	0	0	T	.75	14.75
1059B	SOUTH HAWKINS	4.38	1.57	10.66	2.99	11.45	9.18	7.34	.16	0	0	.17	.86	48.76
1060	LITTLE ROCK - SYCAMORE CAMP	2.32	.63	2.32	.96	5.40	4.37	4.31	0				T	20.31
1062	BURKHORN FLAT	3.69	1.53	12.32	2.85	15.33	9.31	11.66	.08	T	0	.13	.41	57.31
1063	SOLEDAD PASS	1.66	.42	1.42	.57	3.18	3.05	2.94	.07	0	.15	.23	0	13.69
1064	SAN GABRIEL EAST FORK - DOT MINE	3.29	1.15	8.16	3.07	9.92	9.07	9.88	.09	T	0	.16	.29	45.08
1066	LONG BEACH WOODRUFF AVENUE	1.24	.58	2.28	1.37	5.26	4.70	3.21	.06	0	T	.08	.05	18.83
1067	SANTIAGO CANYON	2.11	.48	2.16*	.76	6.49	3.56*	4.26**	0	0	0	0	0	19.82*
1068	RATTLESNAKE CANYON - CAMP NO. 3	1.38	.50	4.34	5.54	9.75	8.38	6.27	0	0	0	0	.18	36.34
1069	SAN GABRIEL - EAST FORK TUNNEL	4.61	1.17	7.53	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	INC.
1070	MANHATTAN BEACH	1.04	.83	2.42	1.85	5.45	5.12	2.72	0	0	0	.16	.04	19.63
1071B-E	DESCANSO GARDENS	1.91	.97	4.58	2.52	9.19	6.16	5.56	0	0	0	.09	.30	31.28
1072	LITTLE TUJUNGA RANGER STATION	1.89	.77	3.71	1.94	6.70	5.14	5.28*	0	0	0	.08	.25	25.76*
1073B	PALMDALE - CIRCLE C	1.21	.56	1.14	.63	2.82	2.57	2.20	.28	0	.08	.14	.92	12.25
1074	LITTLE GLEASON	2.37	1.50	5.80	4.15	9.60**	8.10	7.48	.10	0	0	.24	.08	39.42**
1075	UPPER WOLFSKILL CANYON	3.86	2.14	9.22	4.81	10.80	8.33	9.04	.22	.01	0	1.03	.52	49.98
1076	HIDDEN SPRINGS	1.95	1.38*	5.53	2.34	12.00	6.15	8.19*	0	0	0	.12	.08	37.74**
1077B	MONROVIA - 5 POINTS	2.52	.93	5.03	3.25	7.91	7.73	6.65	.05	0	0	.07	.11	34.25
1078	COVINA GRIFFITH	2.56	1.12	4.59	2.75	7.35	6.16	5.75	.18	.03	0	.10	.05	30.64
1079	RUBIO DEBRIS BASIN	2.15	.88	5.04	2.56	10.32	8.09	6.57	0	0	0	.16	.21	33.98
1080	BRADBURY DEBRIS BASIN	3.08	.94	4.99	2.99	7.66	8.26	6.21	.04	0	0	.11	0	34.48
1081	DEER DEBRIS BASIN	1.89	.13	4.23	2.52	8.22	6.28	6.04	0	0	0	.08	.18	29.57
1082	DUNSMUIR DEBRIS BASIN	2.48	.94	7.16	3.55	11.42	7.17	5.97	.03	0	0	.06	.35	39.14
1083	MADDOCK DEBRIS BASIN	2.66	.91	4.74	3.08	7.64	7.67	6.67	0	0	0	.20	.06	33.63
1084	MAY DEBRIS BASIN	1.17	.25	2.34	2.28	5.39	6.17	5.86	.08	0	0	.04	.68	24.26
1085	MC CLURE DEBRIS BASIN	2.41	.30	4.64	1.34	6.52	4.44	3.55	0	0	0	.02	.11	23.33
1086	TURNBULL DEBRIS BASIN	1.46	.52	3.00	2.01	5.87	5.68	3.98	0	0	0	.33	.19	23.04
1087	GREEN VERDUGO POWER PLANT	1.85	.56	3.27	1.46	6.77	4.58	4.38	0	0	0	.07	.12	23.06
1088B	LA HABRA HEIGHTS WATER CO.	2.35	.75	2.95	2.12	7.86	5.90	3.73	0	0	0	0	.10	25.76
1089C	TOPANGA CANYON OUTLET	1.05	.32	2.50	2.48*	10.05*	6.90	2.55*	.01	0	0	0	0	25.89*
1090	LOS ALAMITOS	1.50	.72	2.43	1.48	4.59	3.85	3.17	0	0	0	.07	.06	17.97
1091	CYPRESS	1.37	1.07	2.56	1.60	5.41	4.63	3.21	0	0	0	.35	.18	20.38
1092	EUENA PARK	1.47	.79	2.52	1.73	5.33	4.50	2.92	0	0	0	.47	0	19.73
1093-E	FULLERTON AIRPORT	1.67	1.23	2.74	1.53	6.50	4.48	3.89	T	0	0	.64	.43	23.11
1094	BREA	1.82	1.87	4.09	1.40	6.07	5.03	3.34		0	0	T	.30	23.92
1095	ORANGE COUNTY RESERVOIR	1.76	.86	3.71	2.07	6.33	4.71	4.04	0	.02	0	.05	.28	23.83
1096	LA VIDA SPRINGS	1.77	.89	5.05	3.10	7.92	4.58	6.12	0	0	0	0	0	29.43
1097	CARBON CANYON SUMMIT	1.76	.79	5.03	2.48	7.99	5.64	6.31	.02	T	0	.19	.25	30.48
1098	BREA CANYON	2.08	.80	5.50	2.45	9.55	5.15	6.50	0	0	0	0	.25	32.28
1099	WHITTIER - CATE	1.47	.79	2.61	1.91	7.82	5.19	3.51	0	0	0	58	0	24.08
1101	DEL SUR SCHOOL	1.12	.27	1.90	1.78*	5.28	3.31*	2.23	0	T	0	0	.10	15.99*
1102	BOBCAT CANYON - SAN GABRIEL WEST FORK	3.02	.80	5.62	2.39	9.10	7.91	7.29	.18	0	0	.42	.27	37.00
1103	RESEDA - HOUSSELS	1.45	.45	4.40	1.43	7.56	4.22	4.40	0	0	0	.04	.16	24.11
1104	BOUQUET CANYON - TEXAS CANYON	2.40*	.62*	4.10*	2.30	6.13	6.47	4.66	.53	0	0	T	.30	27.51*
1105	FAIRMONT - BARNES	1.07	.38	5.05	1.01	6.67	3.74	3.82	.35	0	0	T	.58	22.68
1106	ANTELOPE VALLEY FIELD STATION	1.17	.27	3.21	1.47	5.32	3.30	3.75	.23	0	0	0	.30	19.02
1107B	LA TUNA CANYON	2.04	.45	3.40	1.60	6.82	5.01	4.25	0	0	0	.12	.26	23.95
1108	ANAVERDE - PLATT	1.83	.80	2.02	1.76	4.79	5.02	3.90	.18	0	0	0	0	20.30
1109	MT. BALDY	5.91	3.22	10.67	5.91	12.89	12.74	11.06	.46	0	0	.06	.53	63.45
1110	SCHOLL DEBRIS BASIN	1.68	.91	3.39	2.16	7.71	4.83	4.42	0	0	0	0	.06	25.16
1111	PUNCHBOWL RANCH	1.97	.88	5.14	.87	8.39	5.29	5.00	0	0	0	0	.09*	27.64**
1112	BEAR CANYON - SAN GABRIEL WEST FORK	4.62	1.76	11.75	2.70	12.45	9.52	12.27	0	0	0	.47	.72	56.26
1113	DOMINGUEZ WATER CO.	1.50**	.55	2.19*	1.58	6.28	4.85	2.95	.07	0	0	.08	.13*	20.18*
1114	WHITTIER NARROWS DAM	1.46	.75	2.95	1.99	8.25	5.29	3.58	0	0	0	.51	.04	24.82
1115	SAN ANTONIO DAM	3.30	1.55	7.71	3.83	8.31	7.92	8.04	.12	.03*	0	.14	.40	41.35**
1116	LONG BEACH - SAN ANSELINE	1.57	.35	2.58	1.67	5.37	4.43	3.06	.05	0	T	.13	.07	19.28
1117	PINE CANYON - U.S.	2.02**	.23	7.94	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	2.86	INC.
1118	LAKEWOOD	1.54	.99	2.23	1.95	7.38	4.80	3.35	.05	0	T	.08	.06	22.43
1119	ATMORE MEADOW	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.
1120	DAWSON SADDLE	3.60	2.04	6.95	2.07	9.39	9.38	8.11	0	0	.52*	0	.26	42.52**
1121	BARLEY FLAT	3.76	1.96	8.67	4.70	15.89	10.67	14.16	0	0	0	.51	.36	60.68
1122	COOKS DEBRIS BASIN	2.25	.78	5.69	2.56	7.67	4.56	5.50	0	0	0	.06	.27	29.34
1123	CIMA MESA - FARVUE RANCH	2.14	.48	2.02	.91	5.05	3.73	3.62	0	0	0	.02	.57	18.54
1124	RED BOX CAP	2.87	3.13	9.97	4.90	14.02	10.56	9.94	0	0	0	.12	.43	55.94
1125	LA PUENTE	2.67*	.84*	4.20*	2.20**	5.70	6.03	5.19	.27	0	0	0	.08	28.18*
1126	DEPARTMENT OF WATER & POWER - E. VALLEY	1.68*	.66*	3.29*	1.22	6.72	3.96	4.35	0	0	0	.08	.06	22.02*
1127	WEST BURBANK	N.I.	N.I.	N.I.	N.I.	N.I.	4.23	4.02	0	0	0	.14	.02	INC.
1128	WRIGHTWOOD FIRE STATION	2.83	1.43	4.92	1.97	8.09	6.91	6.48	.03	.11	T	.48	.67	33.92
1129	NICHOLAS CANYON	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	INC.	0	0	.12	INC.
1130	PUZZLE SPRING RANCH	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	INC.	INC.
1131	CHARTER OAK - WALKER	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	.14	INC.
X6	ENCINO	1.24	.46	6.22	2.35	10.18	6.47	6.70	0	0	0	T	.05	33.67
X12	WILSONA - FITCH	1.14	.15	.42	.16	1.47	1.44	.65	.42	0	0	.20*	.32*	6.37**
X15	HI VISTA - CARO	.76	.20	.78	.34	.91	1.62	1.25	0	0	0	.40*	.10*	6.36**
X19	COOKS CANYON	1.88	1.23	5.75	2.73	9.84	5.86	6.58	0	0	0	.17	.70	34.74
X21	DUNSMORE CANYON - UPPER	2.12	1.40	6.77	3.87	9.64	6.53	5.17	0	0	0	.16	.69	36.35
X22	ISLIP SADDLE	2.47*	1.69	9.68	2.44	12.32	8.83	9.10	.44	0	0	0	.44	47.41**
X23	DORR CANYON	2.51*	1.56	9.13	1.87	12.32	9.92	7.82	.31	0	.37	0	1.00	46.81**
X24	GRASSY HOLLOW	2.33*	.62	5.50	1.13	4.75	6.51	3.61	.13	0	.15	0	1.97	26.70**
X25	BEAR CANYON	3.05*	1.56	7.12	1.26	9.57	9.15	8.50	.30	0	.38	0	2.01	42.90**
X26	BLUE RIDGE	3.05*	1.38	6.00	1.12	6.81	5.80	22.59	.80	0	.18	0	.81	48.54**
X27	GUFFY'S CAMP	3.18*	2.03	6.40	2.38	9.37	9.72	12.53	.44	0	.32	0	.94	47.81**
X28	BLUE RIDGE	3.05*	1.38	2.41	.72	3.49	2.29	.80	.13	0	.18*	0	.81*	15.26*

LEGEND

* ESTIMATE > 10% OF TOTAL
** ESTIMATE < 10% OF TOTAL
INC. INCOMPLETE RECORD
N.I. NOT INSTALLED
N.R. NO RECORD

SEASONAL 1958-59 MONTHLY RAINFALL SUMMARY

RAINFALL RECORDS IN INCHES

STA. NO.	STATION	OCT.	NOV.	DEC.	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	SEAS. TOTAL
2B	ESCONDIDO CANYON	0	.20	.11	2.07	4.04	0	1.16	0	.10	0	0	.11	7.79
3B	SEMINOLE HOT SPRINGS	0	.15	.05	4.01	6.61	0	.65	0	T	0	0	.18	11.65
5B	CALABASAS	0	0	.02	4.37	4.90	0	.33	0	0	0	0	.35	9.97
6	TOPANGA PATROL STATION	.04	.25	.05	3.59	6.89	0	.81	0	.03	0	T	.01	11.67
9B	LINDOMAR NURSERY - SEPULVEDA AND RAYEN	.10*	.10*	0	2.07	4.13	0	.50	0	0	T	0	.10	7.00**
10	BEL AIR HOTEL	.04	T	0	2.54	5.93	0	1.09	0	0	0	0	0	9.60
11C	UPPER FRANKLIN CANYON RESERVOIR	.16	0	0	3.63	6.56	0	1.00	0	T	0	0	.05	11.40
12	FRANKLIN CN. - MULHOLLAND HIGHWAY	0	0	0	2.10	6.30	0	.94	0	0	0	0	0	9.34
13B	NORTH HOLLYWOOD - BLIX	.03	0	0	2.80	6.18	0	.56	0	0	0	0	.17	9.74
14B	ROSCOE - MERRILL	.09	T	0	2.47	4.73	0	.78	T	0	T	T	.01	8.08
15	VAN NUYS - CITY WAREHOUSE	T	T	0	3.66	4.70	0	.59	0	0	0	0	T	8.95
17	SEPULVEDA CANYON AND MULHOLLAND HIGHWAY	T	T	T	3.15	7.04	0	.66	0	0	0	0	0	11.05
18C	RESEDA	.06	.01	0	3.16	4.54	0	.22	0	0	0	0	.03	8.02
20B	GIRARD RESERVOIR	0	T	T	4.27	5.19	0	.30	0	T	0	0	.11	9.87
21	BRANT RANCHO - GIRARD	0	0	0	2.70	3.48	0	.25	0	0	0	0	0	6.43
23-E	CHATSWORTH RESERVOIR	.07	.03	T	2.36	4.35	0	.32	T	0	0	0	T	7.13
24D	CHATSWORTH	0	.16	0	2.04	3.91	0	.38	0	0	0	0	0	6.49
25B	NORTHRIDGE - ANDREWS	.08	T	T	2.56	4.05	0	.34	0	0	0	0	.07	7.10
27B	PACOIMA - RADDATZ RANCH	.21	.10	T	3.06	3.56	0	.61	0	0	.03	0	.01	7.58
28D	SAN FERNANDO LEMON ASSOCIATION	.25	.03	T	3.06	3.60	0	.57	0	0	0	0	.03	7.54
29B	GRANADA PUMP PLANT	.40	.06	0	2.73	4.60	0	.90	0	0	0	0	.06	8.75
30B	SYLMAR	.43	0	0	3.57	4.67	0	.65	0	0	0	0	0	9.32
31	ORCUTT RANCH	1.81	.36	.02	3.43	7.66	0	1.25	0	0	0	0	.05	14.58
32C	NEWHALL-SOLEDAD DIVERSION HEADQUARTERS	1.15	.20	0	3.15	4.66	0	.50	0	0	0	0	.07	9.73
33'-E	PACOIMA DAM	.37	.26	0	2.85	4.87	0	.95	.02	.01	T	T	.07	9.40
39B	SUNSET DAM	.11	.03	0	2.94	4.34	0	.50	0	0	0	0	.01	7.93
42B	REDONDO CITY HALL	0	0	.02	1.20	3.63	0	.21	0	0	0	0	0	5.06
43B	PALOS VERDES GOLF CLUB	0	0	0	1.36	5.66*	0	.40	0	0	0	0	0	7.42*
43C	PALOS VERDES ESTATES - FIRE STATION	0	0	0	1.56	3.88	0	.22	0	0	0	0	0	5.66
44	POINT VICENTE LIGHTHOUSE	.09	.04	.05	1.86	4.70	T	.38	T	T	T	T	.07	7.19
46D-E	BIG TUJUNGA DAM	.39	.04	T	3.15	9.43	0	.87	T	0	0	0	.31	14.19
47D	CLEAR CREEK - CITY SCHOOL	.32	.08	0	3.80	10.28	0	1.43	0	0	T	0	.36	16.27
48B	OAK WILDE	.82	0	0	1.74	6.69	0	1.03	0	0	0	0	0	10.28
50B	LA CANADA - ARROYO SECO	.69	.06	0	3.22	5.81	0	.55	0	0	0	0	T	10.33
51	FALLING SPRINGS	.04	.70	0	2.50	12.30	0	1.90	0	0	T	1.10	.50	19.04
52B	SWITZER'S CAMP	1.15	.12*	0	2.02	8.12	0	1.04	0	0	0	0	T	12.45**
52C	WATERMAN GUARD STATION	.59	.12	0	3.10	9.32	0	.90	0	0	0	0	.07	14.10
53D	COLBY'S	.38	.10	0	3.39	9.07	0	.69	0	0	T	T	1.26	14.89
54C	LOOMIS RANCH - ALDER CREEK	.33	.16	0	1.80	5.06	0	.41	0	0	0	0	1.65	9.41
57B-E	OPID'S (CAMP HI-HILL)	.99	.12	.01	4.20	13.51	0	1.61	0	0	0	0	.87	21.31
58	STURTEVANT CAMP	1.31	.21	0	5.16	10.70	0	2.05	.01*	0	0	0	.06	19.50**
60A	HOEGEE'S	.73	.24	0	4.12	10.70	0	1.86	.01	0	0	0	.10	17.76
63B-E	BIG SANTA ANITA DAM	.89	.15	0	2.59	7.03	0	1.46	.05	T	0	0	.06	12.23
66	SIERRA MADRE - PEGLAR RANCH	1.36	.19	0	2.80	7.00	0	1.13	.02	.03	0	0	.02	12.55
67D	MONROVIA-NEWS POST	1.05	.13	0	2.52	5.82	0	1.27	0	.08	0	0	.06	10.93
68B	SAWPIT DAM	1.00	.11	0	2.52	7.67	0	1.63	.04	.05	0	0	.06	13.08
69B	SAWPIT CANYON	.90	.08	0	2.55	8.47	0	1.65	.06	.07	0	0	.07	13.85
70C	SAN GABRIEL CANYON - WADE	.40	.17	0	2.90	7.85	0	1.23	0	.04*	0	0	0	12.59**
73	GLENDORA - ENGLEWILD RANCH	.26	.28	0	2.43	7.19	0	1.30	.10	.15	0	0	.14	11.85
76B	SAN GABRIEL DAM CAMP	.29	.24	T	2.60	10.16	0	1.78	T	T	T	.02	.18	15.27
80B	PRAIRIE FORK	.15	.94	0	1.10	6.70	0	1.17	0	0	0	.10	.22	10.38
81B	VINCENT GAP	0	.26	0	2.58	14.19	0	1.81	0	0	0	.52	.77	20.13
82D	TABLE MOUNTAIN	.32	.47	T	0.84	8.76	0	1.03	T	T	T	.05	.81	12.28
83B	BIG PINES RECREATION PARK	.24	.61	T	2.20	10.36	0	1.17	T	T	.03	.31	.78	15.70
85G	MT. BALDY GUARD STATION	.20	.57	0	3.24	13.70	0	1.60	0	.07	0	.33	.33	20.04
87	SAN DIMAS GUARD STATION	.16	.16	0	2.56	7.17	0	1.44	0	T	T	T	.36	11.85
89B-E	SAN DIMAS DAM	.27	.18	0	2.48	6.07	0	1.27	T	T	T	0	.64	10.91
90	ELDER RANCH	.31	.28	0	2.53	5.43	0	1.28	T	0	0	0	.29	10.12
91	INDIAN HILL - CLAREMONT	.10	.15	0	2.56	4.17	0	.95	0	0	0	0	.01	7.94
92	CLAREMONT - POMONA COLLEGE	.20	.10	0	2.79	3.27	0	.93	.07	0	0	0	.01	7.37
93B	CLAREMONT FIRE STATION	.16	.06	0	2.42	3.19	0	.86	.01	T	T	T	.08	6.78
95	SAN DIMAS FIRE WARDEN	.22	.46	0	2.71	5.07	0	1.06	.02	0	0	0	.04	9.58
96B-E	PUDDINGSTONE DAM	.22	.30	0	2.49	3.92	0	1.05	.02	T	0	T	.04	8.04
98	AZUSA-HIBSCH	.45	.20	0	2.40	7.19	0	1.00	.01	.01	0	0	.15	11.41
99B	AZUSA - FOOTHILL RANCH	.54	.25	0	2.62	5.34	0	1.09	T	.04	0	0	.07	9.95
101B	WEST COVINA - HURST RANCH	.45	0	0	2.32	4.00*	0	1.32	0	0	0	0	0	8.09*
102B	WALNUT - PATROL STATION	.53	.03	0	2.10	3.66	0	1.20	0	0	T	0	0	7.52
104	NO. WHITTIER - COLE RANCH	.26	0	0	2.94	4.90	0	1.19	0	0	0	0	0	9.29
106C	WHITTIER CITY HALL	.17	0	0	2.17	3.29	0	.90	0	0	0	0	.01	6.54
107C	DOWNEY - FIRE DEPARTMENT	.01	0	0	2.00	3.85	0	.76	0	0	T	0	.06	6.68
108C	EL MONTE FIRE STATION	.45	0	0	1.67	4.42	0	.88	0	.03	T	T	.11	7.56
109D	WEST ARCADIA	1.00	.11	0	2.02	5.46	0	1.11	0	0	0	0	.24	9.94
110	ALHAMBRA - CITY HALL	.23	.04	0	2.12	5.00	0	.95	T	T	T	T	.09	8.43
111	SOUTH PASADENA - CITY HALL	.20	.04	0	2.07	5.02	0	.60	0	0	0	0	.07	8.00
116C	INGLEWOOD - FIRE STATION	.36	.02	.01	1.46	4.12	0	.45	0	0	0	0	.05	6.47
117F	COMPTON - FIRE STATION	0	0	0	1.76	4.40	0	.53	0	0	0	0	.06	6.75
118C	WILMINGTON	.20	.05	0	1.47	4.48	0	.61	0	0	0	0	0	6.81
119D	SAWTELLE-SOLDIER'S HOME	0	0	0	1.70	5.15	0	.67	0	0	0	0	0	7.52
120	VINCENT PATROL STATION	1.28	.10	T	1.05	2.16	0	.12	0	0	0	0	.11	4.82
122D	LEONIS VALLEY-RITTER RANCH	.27	.69	0	1.83	4.54**	0	.57	0	0	0	0	.27	8.17**
124B	BOUQUET CANYON RESERVOIR	.49	.43	.02	1.83	4.62	0	.69	0	0	0	0	.43	8.51
125	SAN FRANCISQUITO CANYON POWER HOUSE NO. 1 (SAUGUS)	.43	.26	.01	2.13	4.94	0	1.44	0	0	0	.04	.33	9.58
126B	VENICE - FIRE STATION	0	0	.01	1.97	4.36	0	.26	0	0	.03	0	.01	6.64
127	DRY CANYON RESERVOIR	.25	.16	.02	1.70	3.25	0	.49	.02	0	0	0	.12	6.01
128B	ELIZABETH LAKE CANYON	.57	.21	0	2.49	6.51	0	1.20	T	0	0	0	.23	11.21
130B	SANDBERG'S QUAIL LAKE PATROL STATION	.55	.75	T	2.59	4.44	.15	.58	0	0	0	0	1.25	10.31
134	SAN DIMAS - STEVENS	.76	.32	0	2.61	4.54	0	1.13	.11	0	0	0	.10	9.57
135	NORWALK	.63	0	0	1.35	3.30	0	.80	0	0	0	0	0	6.08
136B	HOLLYWOOD - CITY ENGINEER	.11	0	0	2.02	3.89	0	.81	0	0	0	0	0	6.83
139B	LOS ANGELES WATER DEPARTMENT	.07	T	T	1.54	4.20	0	.58	0	0	T	0	T	6.39
140B	SAWTELLE	0	0	0	1.67	5.20	0	.55	0	0	0	0	0	7.42
143B	AZUSA - CITY PARK	.40	.18	0	2.40	5.46	0	.99	.02	.06	T	0	.08	9.59
144	SIERRA MADRE DAM	.68	.23	0	3.24	7.59	0	1.15	.02	.03	0	0	.05	12.99
155B	LITTLE ROCK CREEK	.57	.26	0	.90	2.16	0	0	0	0	0	.16	.40	4.45
156	LA MIRADA - STANDARD OIL CO.	.24	0	0	1.14	3.13	0	1.34	0	0	0	0	0	5.85
157B	EL SEGUNDO - STANDARD OIL CO.	.24	T	.01	1.46	3.66	0	.17	0	0	T	0	.03	5.57
158	TANBARK FLATS	.55	.34	T	2.62	8.94	0	1.64	.04	T	T	T	.18	14.31
167B	ARCADIA PUMPING PLANT NO. 1	1.21	.09	0	2.74	5.91	0	1.30	0	0	0	0	0	11.25
169-E	SIERRA MADRE PUMPING PLANT	1.24	.16	0	3.07	7.04	0	1.10	.02	.05	0	0	T	12.68
170C	POTRERO HEIGHTS	.11	.03	0	1.73	4.31	0	.85	0	0	0	0	0	7.03
171B	CHAPMAN WELLS	1.28	.10	0	2.36	6.38	0	.98	0	.04	0	0	.20	11.34
172B	DUARTE	.90	.01	0	2.55	6.70	0	1.03	0	.02	0	0	0	11.21
174	GLENDORA - WARREN	.50	.45	0	2.51	4.78	0	1.18	.10	.02	0	T	.09	9.63
175B	ALTA CANYADA - LA CANADA IRRIGATION DISTRICT	1.02	T	0	3.15	7.25	0	1.06	0	0	0	0	T	12.48
176	ALTADENA - RUBIO CANYON	1.08	.02	0	3.76	6.37	0	.76	0	.06	0	0	.01	12.06

SEASONAL 1958-59 MONTHLY RAINFALL SUMMARY

RAINFALL RECORDS IN INCHES

STA. NO.	STATION	OCT.	NOV.	DEC.	JAN	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	SEAS. TOTAL
177F	LA CANADA - AP ROBERTS	.97	T	0	3.17	5.98	0	.43	0	.08	0	0	T	10.63
179G	BAILEY DEBRIS DAM	1.03	.22	0	3.41	7.01	0	.72	.02	0	T	0	.08	12.49
181B	BASSETT - CLIFFORD	.22	0	0	2.58	4.08	0	.95	.04	0	T	.02	.06	7.95
185	GLENDORA - WEST	.25	.28	0	2.50	5.67	0	1.17	.07	.07	T	T	.22	10.22
188C	SAN DIMAS - MORRISON	.55	.26	0	2.60	4.23	0	1.10	.14	0	0	0	.13	9.01
191B	LOS ANGELES - ALCAZAR	.07	T	0	1.70	4.39	0	.54	0	.01	T	T	.03	6.74
192C	BELL FIRE STATION	0	0	0	1.26	3.57	0	.63	0	0	0	T	0	5.46
193	COVINA NO. 2 - TEMPLE	.26	.34	0	2.55	3.74	0	1.52	.09	0	.01	T	T	8.51
196B	LA VERNE - POLICE DEPARTMENT	.44	.12	0	2.57	3.90	0	.86	.05	0	0	0	.05	7.99
198B	BRAND DEBRIS BASIN	.10	.03	0	2.14	5.94	0	.35	0	0	0	0	.01	8.57
199C	HUNTINGTON PARK - CITY YARD	0	T	0	1.45	4.42	0	.66	0	0	0	0	T	6.53
200	SAUGUS - S.C.E. CO. SUBSTATION	.31	.11	T	2.00	2.81	0	.35	.11	0	0	0	.18	5.87
201	PUENTE HILLS - ALTA MIRA RANCH	.29	0	0	2.59	4.42	0	1.06	0	0	0	0	.02	8.38
206	VALENCIA HEIGHTS	.52	.04	0	2.36	3.64	0	1.23	0	0	0	0	0	7.79
208B	ARTESIA	.48	0	T	1.00	3.28	0	.97	0	0	0	0	T	5.73
210B	BRAND PARK	.12	T	0	2.27	6.31	0	.39	0	.01	0	0	T	9.10
213D	LOS ANGELES - HANCOCK PARK	.02	0	0	2.23	4.25	0	.78	0	0	0	0	.12	7.40
215D	BELLFLOWER-PRESS TELEGRAM	0	0	0	1.29	3.66	0	.69	0	0	0	0	0	5.64
216	GLENDALE - JONES	.18	.01	0	2.24	4.85	0	.45	0	0	0	0	T	7.73
219	PACOIMA WAREHOUSE - CO. FORESTRY	.38	.06	0	2.80	3.21	0	.69	0	0	.02	0	.03	7.19
221F	PACOIMA WASH - DUCKWORTH RANCH	.43*	.38	0	2.80	4.67	0	.76*	0	0	0	0	0	9.04*
222C	LANKERSHIM PUMPING PLANT	T	T	0	3.44	5.03	0	.70	0	0	0	0	.10	9.27
223B-E	BIG DALTON DAM	.45	.29	0	2.56	8.43	0	1.39	.10	.07	T	.02	.23	13 54
224B	LONG BEACH - ALAMITOS LAND CO.	.47	0	0	.42	3.92	0	.60	0	0	.01	0	0	5.42
225	MONTANA RANCH	.43	0	0	.91	3.78	0	.71	0	0	0	0	.03	5.86
226B	BURBANK FIRE STATION	.05	T	T	2.56	5.03	0	.41	0	0	T	T	T	9.05
227D	SAN GABRIEL - BRUINGTON	.90	.02	0	2.28	4.72	0	1.01	0	0	0	0	.12	8.95
228B	BEVERLY HILLS - CITY HALL	.05	.01	0	1.98	5.73	0	1.02	0	.03	T	0	0	8.82
230C	LIVE OAK CANYON - ELDER	.17	.10	0	2.58	4.03	0	.90	.07	T	0	0	.05	7.90
235B	HENNINGER FLATS	1.16	.10	.01	3.14	6.90	0	.78	.06	.06	T	.01	.10	12.32
236B	SAN FERNANDO - MOLLIN GROVES	.43*	.45	0	2.70	4.43	0	.76	0	0	0	0	0	8.77**
237C-E	STONE CANYON RESERVOIR	.29	T	T	3.58	6.65	0	.98	0	0	0	0	.01	11 51
238	HOLLYWOOD DAM	.03	T	0	1.77	4.67	0	.76	0	T	T	0	.01	7.24
241B	LONG BEACH - VETERAN'S MEMORIAL BUILDING	.44	.01	T	.46	3.73	T	.50	0	0	.02	T	T	5.16
246B	CULVER CITY - BUS YARD	0	0	0	2.47	4.18	0	.50	0	0	.02	0	.01	7.18
250D	ACTON CAMP	1.18	.22	0	1.47	2.93	0	.08	0	0	0	0	.40	6.28
251	LA CRESCENTA	.67	T	0	2.64	7.91	0	.72	T	T	T	T	0	11.94
254B	PUENTE - ROWLAND RANCH	.30	0	0	2.45	3.67	0	.90	0	0	0	.64	0	7.96
255C	MOUNT SAN ANTONIO COLLEGE - SPADRA	.26	.04	0	2.58	4.11	0	1.10	0	0	.02	0	.04	8.15
256B	POMONA - FIRE STATION	.61	.03	0	2.79	2.94	0	.89	.05	T	0	0	.02	7.33
257	GRIFFITH PARK NURSERY	.19	T	0	2.26	4.10	0	.81	0	0	0	0	0	7.36
258a	GRIFFITH PARK TUNNEL	.15	.03	0	1.90	4.35	0	.93	0	0	0	0	0	7.36
258D	GRIFFITH PARK - SO. SLOPE MOUNT HOLLYWOOD	.15*	.05	0	1.92	4.79	0	.83	0	0	0	0	0	7.74**
258C	GRIFFITH PARK - NO. SLOPE MOUNT HOLLYWOOD	.15	.05	0	2.15	4.87	0	1.09	0	0	0	0	0	8.31
259C	CHATSWORTH PATROL STATION	.38	.41	.03	2.15	5.40	0	.74	0	0	0	0	.01	9.12
261B E	ACTON - ESCONDIDO CANYON	.52	.14	.06	1.16	2.73	0	.31	T	0	0	0	.50	5.42
263F	POMONA - RIVERA	.49	.05*	0	3.03	3.10	0	.88	0	0	0	0	0	7.55**
265C	PUENTE HILLS - WEISEL RANCH	.07	.15	0	1.63	3.50	0	1.24	0	0	0	0	0	6.59
266C	EAST WHITTIER	.15	0	0	2.05	3.24	0	1.01	0	0	0	0	0	6.45
269B	DIAMOND BAR RANCH HORSE CAMP	.38	.17	0	2.19	3.69	0	1.02*	0	0	0	0	0	7.45*
270C	COUNTY FARM - RANCHO LOS AMIGOS	.09	T	0	1.82	3.58	0	.72	0	0	0	0	.01	6.23
272D	LOS ANGELES HEADWORKS PUMPING PLANT	.27	T	0	2.39	8.33	0	.65	0	0	0	0	.02	11 66
273D	SAN PEDRO HILLS - MC CARRELL	.03	.26	0	1.85	5.53	0	.60	0	0	0	0	0	8.27
274	ACTON-HUBBARD	.63	.12	.06	.80	2.58	0	.18	0	0	0	0	.44	4.81
275	SAN MARINO HUNTINGTON LIBRARY	.96	.05	0	2.42	5.81	0	.75	T	0	T	T	.12	10.11
277	SAWMILL MOUNTAIN RANCH	.64	.96	0	3.99	8.04	.01	.62	T	0	0	0	1.50	15.76
278B	LOS ANGELES - CLARK MEMORIAL LIBRARY	.30	0	0	1.35	4.13	0	.52	0	0	0	0	0	6.30
280B	FLINTRIDGE FIRE STATION	.49	.02	.01	3.18	5.69	0	.88	0	.03	0	.01	0	10.11
283B	CRYSTAL LAKE - EAST PINE FLATS	.25	1.49	0	3.03	14 24	0	1.90	0	0	0	1.59	1.22	23.72
284C	PLACERITA CANYON	.75	.04	0	3.20	6.43	0	.60	0	0	0	0	.13	11.15
285C	MOUNT ST. MARY'S COLLEGE	.09	0	.04	3.05	6.51	0	.93	0	.02	0	0	0	10.64
287	GLENDORA - MUTUAL CONSOLIDATED IRRIGATION CO.	.29	.21	0	2.54	6.44	0	1.18	.02	.05	0	T	.18	10 88
289	LAGUNA-BELL S.C.E. CO. SUBSTATION	T	0	0	1.80	4.39	0	.41	0	0	0	0	T	6.60
290B	MONTEREY PARK - FIRE STATION	.20	0	0	1.95	4.01	0	.79	0	0	T	0	.05	7.00
291	LOS ANGELES - 96TH AND CENTRAL	.01	.10	0	1.09	3.81	0	.72	0	0	0	0	0	5.73
292B-E	ENCINO RESERVOIR	.05	T	0	3.76	6.44	0	.34	0	0	0	0	.04	10.63
293-E	VAN NORMAN LAKE - LOWER DAM	.21	.17	T	3.18	4.21	0	.59	T	T	0	0	T	8.36
294B	SIERRA MADRE - MIRA MONTE PUMPING PLANT	.99	.23	0	3.52	7.90	0	1.10	.02	.04	0	0	.04	13.84
295G	GLENDALE - STAPENHORST	.15	.02	0	2.24	4.06	0	.54	0	T	0	0	T	7.01
298B	GORMAN	.20	.70	0	1.36	3.01	.37	.34	0	0	0	0	0	6.00
299C	LITTLE ROCK	1.15	.28	0	.71	1.06	0	.05	0	0	T	.21	.71	4.17
303F	PASADENA - CAL TECH	1.00	.04	T	2.55	5.18	0	.63	T	T	0	0	20	9.60
304	SAWPIT CANYON - DEER PARK	1.43	.11	0	3.20	10.26	0	2.03	.12	.05	0	0	08	17 28
306D	TRANCAS BEACH	0	.02	.16	2.03	3.24	0	.93	0	.08	T	T	.02	6.48
311D	PASADENA METEROLOGICAL STATION	.60	.05	T	3.33	5.09	0	.74	T	.03	T	0	T	9.84
312	AZUSA PLANT - GLENDORA IRRIGATION CO.	.90	.15	0	2.76	6.34	0	1.00	T	0	T	0	08	11.23
318B	JACKSON LAKE - BIG PINES	.38	.86	0	2.15	7.21	0	.59	.07	.03	.04	1.26	.55	13 14
321-E	PINE CANYON PATROL STATION	.55	.36	0	2.36	6.45	0	.60	0	0	0	0	.72	11.04
322	MUNZ VALLEY RANCH	.11	.23	0	1.55	3.30	0	.10	0	0	0	0	.11	5.40
334B-E	COGSWELL DAM	.13	.17	0	5.54	10.64	0	1.39	T	T	.02	0	.07	17 96
336-E	SILVER LAKE RESERVOIR	.13	T	0	2.11	4.05	0	.57	0	0	T	T	T	6.86
338A	MOUNT WILSON - OBSERVATORY	.47	.25	0	3.96	10 84	0	1.43	0	0	0	T	.06	17.01
338B	MOUNT WILSON - AIRWAYS STATION	.69	.20	0	3.10	8.07	0	1.36	T	0	.05	0	.14	13.61
339	WALNUT FRUIT GROWERS ASSOCIATION	.23	.06	0	2.77	3.84	0	1.10	0	0	0	0	T	8.00
341	ALISO CANYON - BLUM RANCH	1.43	.14	0	1.69	3.08	0	.13	T	0	T	.08	0	6.55
342B	UPLAND - CADNUM	0	.15	0	3.00	4.21	0	1.00	0	0	0	0	0	8.36
347-E	BALDWIN PARK EXPERIMENTAL STATION	.61	T	0	2.41	4.27	0	.98	0	.01	0	0	0	8.28
349B	CAMP RINCON	.25	.27	0	2.77	10.66	0	1.96	0	0	.05	0	.18	16 14
351D	PALMDALE	.74	.22	0	.96	1.89	0	.23	0	0	T	.13	.19	4.36
352B	LACHUSA PATROL STATION	0	.21	.15	3.25	5.65	0	1.05	T	.05	0	T	.14	10.50
355	LOS ANGELES - CITY COLLEGE	.40	0	0	2.12	5.83	0	.72	0	0	0	0	0	7.07
356C	SPADRA - PACIFIC COLONY	.49	.20	0	2.72	3.66	0	1.13	.03	0	0	0	T	8.23
357	VAN NORMAN RESERVOIR - UPPER	.49	.20	0	2.99	4.86	0	.85	T	0	0	0	0	9.39
362B	EL MIRADOR RANCH	.40	.03	0	3.13	5.33	0	.82	0	0	0	0	0	9.71
363B	WILSON CANYON	.60	.16	0	4.94	7.05	0	1.12	.03	.01	0	0	.06	13.99
364	HAINES CANYON - LOWER	.15	.09	0	3.65	7.63	0	.98	T	0	0	0	T	12 50
365C	MT LUKENS	.28	0	0	2.29	6.98	0	1.27	0	0	0	0	0	10.82
367	HAINES CANYON - UPPER	.17	T	0	3.77	8.40	0	1.02	T	0	0	0	.02	13 38
372	SAN FRANCISQUITO POWER HOUSE NO. 2	.15	.09	.02	1.63	3.54	0	1.06	0	0	T	T	.28	6.77
373B	BRIGGS TERRACE	.49	.01	0	3.35	8.50	0	.97	.03	.06	T	.05	.06	13.52
375B	GRIFFITH PARK ZOO	.19	T	0	3.45	3.05	0	1.65	0	0	0	0	0	8.34
377F	LAKE SHERWOOD ESTATES	.02	.44	.13	3.22	4.65	0	.52	0	0	0	0	.10	9.08
379B	SAN GABRIEL - EAST FORK	.32	.31	.01	2.58	10.04	0	1.37	.01	0	0	.50	.25	15 39
380	EL SERENO - MORGAN	.07	0	T	1.67	4.57	0	.62	0	0	0	0	.05	6.98
381C	SANTA MONICA - OUTLOOK	0	0	0	1.28	5.35	0	.40	0	0	0	0	.04	7.07

SEASONAL 1958-59 MONTHLY RAINFALL SUMMARY

RAINFALL RECORDS IN INCHES

STA. NO.	STATION	OCT.	NOV.	DEC.	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	SEAS. TOTAL
384B	HIGHLAND PARK - SAN RAFAEL HILLS	.37	0	0	2.48	4.74	0	.68	T	0	0	0	.14	8.41
386C	ZUMA CANYON - OAKLEY	T	.28	.10	3.40	6.39	T	1.08	T	.05	T	.02	.11	11.43
387B	COVINA SEWERAGE PLANT	1.04	.05	0	2.35	3.96	0	1.16	0	0	0	0	T	8.56
388C	PARAMOUNT - COUNTY FIRE STATION	.22	.06	0	1.33	3.98	0	.72	0	0	0	0	.07	6.38
389B	GLENDORA - BROWN	.22	.26	T	2.69	6.37	0	1.20	.10	T	T	T	.20	11.04
390B-E	MORRIS DAM	.34	.17	0	2.74	9.56	0	1.52	.05	.04	0	0	.06	14.48
391B	MONTEBELLO - FIRE DEPARTMENT	.19	0	0	1.95	4.52	0	.63	0	0	0	0	.06	7.35
394	HIGHLAND PARK - LINDSAY	.23	.03	0	1.96	4.83	0	.64	0	0	T	0	.10	7.79
395B	OLIVE VIEW SANITARIUM	.41	.11	0	3.40	4.85	0	.80	0	0	T	T	.18	9.75
402C	CEDAR SPRINGS - STATE PRISON CAMP	.19	1.01	0	3.95	16.36	0	2.56	0	0	.01	.44	2.00	26.52
405	SOLEDAD CANYON - ECKLES	.83	.02	.03	2.93	4.41	0	.25	0	0	0	0	.04	8.51
406	WEST AZUSA - AZUSA IRR. CO. PLANT NO. 5	.69	.07	0	2.35	5.13	0	.87	0	0	0	0	0	9.11
407-E	NEWHALL - U.S.F.S. HEADQUARTERS	0	.33	T	3.10	5.23	0	.56	0	0	0	.05	.09	9.36
409	RIDGE ROUTE - STATE HIGHWAY MAINTENANCE STATION	.80	.15	0	3.05	4.65	0	.30	0	0	0	0	.55	9.70
411C	RIVERA - PICO - ROBINSON	.18	0	0	1.86	3.73	0	.88	0	0	0	.06	0	6.71
415	SIGNAL HILL - CITY HALL	.48	0	0	.63	4.18	0	.57	0	0	.05	0	.02	5.93
419B	SANTA CLARA RIDGE - MT. GLEASON	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.
420A	ACTON - COLOMBO RANCH	.58	.24	0	1.50	3.70	0	.15	0	0	0	0	.28	6.45
422F	PACOIMA CANYON	.48	.13	0	2.85	6.57	0	1.40	0	0	0	0	T	11.43
423A'	ACTON - ALISO CANYON	.84	.41	0	2.85	6.34	0	.61	0	0	0	.14	.42	11.61
425B-E	SAN GABRIEL DAM	.48	.20	T	2.80	10.38	0	1.81	.02	T	T	.01	.12	15.82
427B	DOWNEY - JORDAN	.02	T	0	1.80	3.79	0	.57	0	0	.01	0	.13	6.32
430	SAUGUS - STATE HIGHWAY MAINTENANCE STATION	.54	.14	T	1.82	2.40	0	.36	.15	0	0	.04	0	5.45
432	SANTA ANITA - FERN LODGE	.69	.19	0	3.42	8.93	0	1.60	.01*	0	0	0	T	14.84**
433C	FAIR OAKS DEBRIS BASIN	.81	.01	0	3.50	6.58	0	.67	T	.08	0	0	.11	11.76
434	MALIBU - DIVISION HEADQUARTERS	T	.42	.07	3.30	4.94	0	.42	0	0	0	T	.18	9.31
435	MONTE NIDO	0	.29	0	3.52	5.11	0	.81	0	0	0	0	.15	9.88
436B	HANSEN DAM	.45	0	0	2.87	3.63	0	.60	0	0	0	0	0	7.55
437	HAMILTON BOWL - LONG BEACH	.50	0	.02	.51	3.70	0	.50	0	0	.04	0	.04	5.31
440B	CHILAO - U.S.F.S. CAMP	.19	.25	T	2.60	8.63	0	.77	0	0	0	.06	.55	13.06
441C-E	PALMDALE - COUNTY ROAD MAINTENANCE YARD	1.10	.21	0	.82	1.53	0	.18	0	0	0	.02	.24	4.10
442	MESCAL CREEK - FORT TEJON ROAD	.54	.25	0	1.39	1.44	0	.07	0	0	.05	.08	.61	4.43
443B	LATIGO CANYON BEACH RANCH	0	.27	.07	3.94	7.08	0	1.00	0	.04	0	.03	.15	12.58
444C	ROLLING HILLS	.85	.15	.02	1.61	5.44	0	.38	0	0	0	0	0	8.45
445B	LIVE OAK DAM	.54	.10	0	2.53	4.58	0	1.12	0	0	0	0	.12	8.99
446	ALISO CANYON - OAT MT.	1.08	.36	T	2.67	5.80	0	.89	0	0	0	T	.03	10.83
447B	LAS FLORES PATROL STATION	0	.02	.03	1.60	4.67	0	.75	0	0	0	0	.03	7.10
449B	EATON WASH DAM	1.28	.11	T	2.89	6.21	0	.62	.01	.05	T	T	.08	11.25
451B	CASTAIC PATROL STATION	.74	.24	.03	1.67	3.09	0	.65	0	0	0	0	.24	6.66
453B	DEVILS GATE DAM	1.31	.03	0	2.96	5.44	0	.73	0	.03	0	0	.02	10.52
455	LANCASTER - STATE HIGHWAY MAINTENANCE STATION	.04	.34	0	.55	1.50	0	.04	T	0	0	0	.30	2.77
456	PIUTE BUTTE - GOLDEN MESA DUDE RANCH	.21	.28	0	.37	1.14	0	0	0	0	T	.38	.10	2.48
458	ZUMA CANYON PATROL STATION	0	0	.16	2.10	3.60	0	1.64	0	0	0	.03	.02	7.55
460B	PLEASANT VIEW MESA - NEAL	.72	.49	0	1.37	2.62	0	.06	0	0	0	.24	.95	6.45
461	BALDWIN HILLS - STANDARD OIL FIELD OFFICE	0	0	0	1.86	3.83	0	.45	0	0	0	0	.06	6.22
462B	HILLCREST COUNTRY CLUB - LOS ANGELES	.03	.17	.03	2.12	4.83	0	.85	0	0	.05	0	.05	8.13
463B	MAR VISTA SO. CALIFORNIA WATER CO.	0	0	0	1.68	4.25	0	.47	0	0	0	0	.05*	6.45**
465C	SEPULVEDA DAM	.02	0	0	3.76	4.80	0	.44	0	0	0	0	0	9.02
466B	PACOIMA CANYON - DUTCH LOUIE CANYON	.40	.18	0	2.80	6.85	0	1.56	0	0	0	0	.02	11.81
468	PICKENS DEBRIS BASIN	.53	0	0	2.38	6.16	0	.58	0	.04	0	0	.05	9.74
470	TUJUNGA - MILL CREEK	.70	.23	0	1.74	4.31	0	.47	0	0	0	.17	.27	7.89
471	LITTLE TUJUNGA - GOLD CREEK	.13	.02	0	2.47	6.34	0	1.12	0	0	0	0	0	10.08
473B	AQUA DULCE CANYON	.27	.21	0	2.00	3.51	0	.25	0	0	0	0	0	6.24
474B	SOUTH GATE - FIRE DEPARTMENT	T	0	0	1.43	4.61	0	.65	0	0	0	0	.09	6.78
475	SAUGUS - NEWHALL LAND AND FARMING COMPANY	.44	.14	0	2.63	3.22	0	.40	.09	0	0	T	.14	7.06
476D	TRIUNFO CANYON	0	.30	0	3.30	5.65	0	.35	0	0	0	0	.13	9.73
477C	SANTA ANITA - SPRING CAMP	.46	.32	0	4.07	11.67	0	2.42	.05	0	0	0	.13	19.12
478	VALYERMO - U.S.F.S. HEADQUARTERS	.32	.68	0	1.93	1.99	0	.01	T	0	.27	1.07	.61	6.88
480B	TEMPLE CITY FIRE STATION	.41	.04	0	2.00	5.63	0	1.04	0	0	0	0	.05	9.17
482	LOS ANGELES - U.S.C.	.15	0	0	1.45	3.69	0	.52*	0	0	0	0	0	5.81**
486B	COLDWATER CANYON - WIDMAN RANCH	.61	.57	T	2.41	9.73	0	1.61	.09	T	.02	.52	.34	15.90
488B	KAGEL CANYON PATROL STATION	.20	.03	0	2.00	4.65	0	1.07	0	0	.02	0	.01	7.98
489	COLD CREEK - STUNT'S RANCH	0	.83	.03	4.83	7.40	0	.78	T	0	T	0	T	13.87
490	LANCASTER - WILEY RANCH	.23	.22	0	.30	1.13	0	.02	0	0	.38	.12	.27	2.67
491B	PACIFIC PALISADES	0	.09	.04	2.35	4.54	0	.67	0	.01	0	0	0	7.70
492	CHILAO - STATE HIGHWAY MAINTENANCE STATION	.45	.25	0	2.67	7.83	0	.71	0	0	T	T	.56	12.47
493B	SAND CANYON - BARRUS	.77	.29	0	2.98	6.05	0	.85	0	T	0	T	.02	10.96
497	CLAREMONT - SLAUGHTER	.16	.11	0	2.58	4.28	0	.93	.05	0	0	0	.10	8.21
498	ANGELES CREST HIGHWAY - DARK CANYON TRAIL	1.34	.01	0	2.26	8.64	0	1.41	0	T	0	0	.03	13.69
508C	ARROYO SECO - RANGER STATION	1.24	0	0	2.87	6.31	0	.71	0	.04	0	0	0	11.17
517B	ANDERSEN RANCH (LEWIS RANCH)	.43	.74	0	3.26	4.12	0	.25	0	0	.26	.49	1.27	10.83
519B	ELIZABETH LAKE - STRANDBERG	.22	.44	0	2.13	6.07	T	.07	.02	0	T	.10	.74	10.58
542-E	FAIRMONT	.18	.13	0	2.77	5.44	0	.22	0	0	0	0	.45	9.19
551	HUENEME LIGHTHOUSE	.02	.08	.09	1.07	3.55	0	.74	0	0	0	0	0	5.55
564C	LLANO	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	.06	.05	.45	INC.
565B	LONG BEACH - CITY AUTOMATIC	1.54	T	T	.78	4.28	T	.50	0	0	T	T	T	7.10
566	LONG BEACH NO. 1	.29	T	.01	.76	3.89	T	.88	0	0	.01	T	.10	5.94
571C	LONG BEACH NO. 6	.28	T	T	.72	3.74	T	.80	0	0	T	T	.08	5.62
575C	LONG BEACH WEATHER BUREAU	.45	.01	T	.67	3.99	T	.58	0	T	.02	0	.01	5.73
577F	LOS ANGELES (U.S.W.B.) - FEDERAL BUILDING	.06	T	T	1.28	3.32	0	.50	T	T	T	T	.01	5.17
587B	POWER HOUSE NO. 1	.27	.37	0	2.73	8.05	0	1.32	0	.05	.01	0	.06	12.86
588D	MOUNT LOWE	.47	.24	0	3.85	10.57	0	2.04	0	0	0	0	.09	17.26
593B	NEWHALL RANCH	.32	.05	.01	2.67	4.36	0	.85	.01	0	0	0	.67	8.94
598	NEENACH	.14	.30	0	.04	2.57	0	.11	0	0	0	0	.59	3.75
610A	PASADENA - JONES	1.11	.08	0	3.41	5.48	0	.61	.03	.01	0	0	.08	10.81
610B	PASADENA - CITY HALL	1.02	.12	T	2.84	5.30	0	.65	0	.03	T	0	T	9.96
611C	ALTADENA GOLF COURSE	1.47	.06	0	2.13	5.78	0	.64	.03	.08	0	0	.16	10.35
612	PASADENA - CHLORINE PLANT	1.31	T	T	2.82	6.49	0	.79	0	.05	T	0	T	11.46
613B	PASADENA - HURLBUT FIRE STATION	.30	T	T	1.89	4.21	0	.66	0	0	T	0	.30	7.36
617B	POMONA - ADAMSON	.58	.03	0	2.68	3.45	0	1.02	.09	0	T	T	.02	7.88
618B	TAPO CITRUS ASSOCIATION	.35	0	0	2.00	3.62	0	.45	0	0	0	0	.97	7.39
619	SAN ANTONIO CANYON SIERRA POWER HOUSE	.20	.37	0	3.08	11.60	0	1.79	0	.04	.02	.04	.13	17.27
627	SAN GABRIEL CANYON POWER HOUSE	.63	.21	0	2.84	7.07	0	1.10	.07	.02	T	0	.03	11.97
629C	SAN PEDRO U.S.W.B.	.19	T	.02	.63	4.29	0	.33	0	T	T	T	T	5.46
634B	SANTA MONICA - CITY HALL	0	0	0	1.40	4.93	0	.45	0	0	T	0	.01	6.79
644	SOMIS - SNYDER RANCH	0	.05	.05	1.54	3.24	0	.74	0	0	0	0	0	5.62
647G	SUNLAND - TUJUNGA	.21	.03	0	2.92	6.52	0	.69	T	0	T	.04	.02	10.43
650B	UPLAND - BAIRD	T	.20	0	2.03	4.97	0	1.17	.28	.05	0	0	.42	9.12
660	OXNARD	0	.08	.12	1.48	3.82	0	.57	T	0	0	0	.01	6.08
662	LONG BEACH - 37TH AND GAVIOTA	.77	.01	T	.91	4.36	T	.49	0	0	T	T	T	6.54
666B	LONG BEACH - 60TH AND LINDEN	.60	T	T	1.81	3.87	T	.48	0	0	T	T	T	6.76
672	EAGLE ROCK S.C.E. CO. SUBSTATION	.37	0	0	2.80	4.73	0	.73	T	.01	0	T	.02	8.66
673B	SEAL BEACH - POWER PLANT	1.38	T	0	.95	3.26	0	.78	0	T	0	0	T	6.37
676	LOS ANGELES - WEST 80TH STREET	.09	.15	T	1.48	4.13	0	.45	0	0	0	T	T	6.31
678	PASADENA - SHELDON RESERVOIR	1.04	.01	T	3.24	5.44	0	.67	T	.04	T	0	T	10.44

SEASONAL 1958-59 MONTHLY RAINFALL SUMMARY

RAINFALL RECORDS IN INCHES

STA. NO.	STATION	OCT.	NOV.	DEC.	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	SEAS TOTAL
679	PUENTE - NO. WHITTIER HEIGHTS CITRUS ASSOCIATION	.38	0	0	2.54	4.40	0	1.01	0	0	0	0	.07	8.40
680B	WESTWOOD - U.C.L.A.	.01	.05	.02	1.98	5.48	0	.86	T	.03	T	T	T	8.43
681A	SIERRA MADRE RANGER STATION	.90	.12	0	3.14	7.45	0	1.24	0	0	0	0	.25	13.10
683	SUNSET RIDGE GUARD STATION	1.08	0	0	3.11	5.86	0	.76	0	T	T	T	T	10.81
689B	SAN MARINO - COOPER	.32	.06	0	2.23	5.10	0	.71	0	0	0	0	T	8.42
691B	SAN ANTONIO SPREADING GROUNDS	.17	.28	0	2.60	6.01	0	1.33	.03	0	0	0	.10	10.52
695B	TUJUNGA CANYON - VOGEL FLAT	.32	.17	0	3.70	10.07	0	1.07	0	0	0	0	.03	15.36
696	PASADENA GLEN	.85	.17	0	3.15	6.84	0	.70	0	.10	.01	0	.17	11.99
703	GLENDALE - MC INTYRE	.30	.05	0	2.52	3.83	0	.50	0	0	0	0	T	7.20
705	ALDER CREEK - PARADISE RANCH	.22	.02	0	2.12	5.20	0	.93	T	0	0	0	.02	8.51
715B	LOS ANGELES TERMINAL ANNEX POST OFFICE	.03	0	0	1.56	4.09	0	.45	0	0	T	0	T	6.13
716	L.A.W.D. - DUCOMMUN STREET	.06	0	0	1.57	4.18	0	.50	0	0	T	0	T	6.31
718B	THOUSAND OAKS	T	.18	0	2.33	3.96	0	.42	0	0	0	0	.21	7.10
719	DUARTE - MADDOCKS	1.31	.05	0	2.59	7.05	0	1.15	T	.14	T	.01	0	12.30
720	SIMI VALLEY - FORSON RANCH	.20	.30	0	2.70	5.05	0	.53	0	0	0	0	.37	9.15
722C	BELLEVIEW - STRATMAN	.14	.28	0	1.05	2.59	0	.40	0	0	0	0	.17	4.63
724	BIG DALTON - MONROE CANYON	.37	.30	0	2.44	8.61	0	1.44	.01	.02	T	T	.27	13.46
725	BIRMINGHAM HOSPITAL	0	0	0	4.72	5.77	0	.29	0	0	0	0	0	10.78
726	ANGELES CREST - GUARD STATION	.91	0	0	3.40	8.78	0	1.58	0	.05	0	0	.01	14.73
727	NEWCOMB PASS	.32	.16	0	1.68	9.51	0	1.83	.03	0	0	0	.04	13.57
728	PACOIMA CANYON - CITY ROAD GAGE	.30	0	0	2.97	7.61	0	1.85	0	0	0	0	0	12.23
730	MILLARD CANYON - DAWN MINE	1.09	0	0	2.83	7.83	0	.96	0	0	0	0	0	12.71
731	OAK GROVE HEADQUARTERS U.S.F.S. FLOOD CONTROL	1.01	0	0	2.51	5.66	0	.62	0	0	0	0	0	9.80
732B	ROBERT'S CANYON - SAN GABRIEL WEST FORK DIVIDE	.26	.30	0	3.05	10.84	0	1.92	.04	0	0	0	.10	16.51
734B	LOS ANGELES INTERNATIONAL AIRPORT	.32	T	.01	1.11	3.72	0	.39	T	T	T	T	.04	5.59
735B	BELL CANYON - RUSHWORTH	.01	.03	T	2.57	4.40	0	.35	0	0	0	0	.04	7.40
737	UPPER SESPE - CHORO GRANDE RANCH	.18	.15	0	4.30	10.15	0	2.50	0	0	0	0	0	17.28
739	SANTA PAULA - LIMONEIRA RANCH	0	.05	T	1.77	3.82	0	.60	0	0	0	0	T	6.24
740B	SAN DIMAS CANYON - FERN CANYON	.50	.43	0	2.76	11.66	0	2.08	.02	.04	T	T	.22	17.71
741	SAN DIMAS CANYON - UPPER E. FORK	.45	.30	0	2.63	8.50	0	1.46	T	T	T	T	.17	13.61
742C	SAN GABRIEL - FIRE DEPARTMENT	.62	.08	0	2.10	4.69	0	1.12	0	0	T	0	.10	8.71
746	MOJAVE - BACKUS RANCH	T	.14	T	1.13	1.16	0	T	0	0	T	T	.38	2.81
747	SANDBERG - AIRWAYS STATION	.48	.51	.02	2.09	3.39	.15	.50	.01	0	T	T	.92	8.07
749	BURBANK - U.S.W.B.	.02	.01	T	2.90	5.76	0	.50	T	T	T	T	.27	9.46
750	PALMDALE - C.A.A.C. STATION	.72	.28	0	.43	1.12	0	.08	T	0	T	T	.20	2.83
751B	TORRANCE - FIRE DEPARTMENT	T	T	0	1.69	4.69	T	.20	0	0	T	0	T	6.58
755	GRIFFITH PARK - LITTLE CANYON	.17	0	0	2.21	3.97	0	.75	0	0	0	0	0	7.10
756	GRIFFITH PARK - UPPER SPRING CANYON	.15	0	0	INC.	INC.	0	.54	0	0	0	0	0	INC.
757	GRIFFITH PARK - FERN DELL	.15	0	0	1.72	3.79	0	.66	0	0	0	0	0	6.32
758	GRIFFITH PARK - LOWER SPRING CANYON	.20	0	0	2.10	3.68	0	.80	0	0	0	0	0	6.78
759B	NICHOLS DEBRIS BASIN	.05	0	0	1.73	4.86	0	.99	0	0	0	0	.13	7.76
760	STUDIO CITY - 3913 GOODLAND AVENUE	.05	0	0	3.60	5.77	0	.89	0	0	0	0	.05*	10.36**
762	UPPER STONE CANYON	T	0	0	3.82	6.08	0	.92	0	0	0	0	0	10.82
763B	SEPULVEDA CANYON - EAST FIRE ROAD NO. 19	.18	0	0	3.10*	6.72	0	1.08	0	0	0	0	0	11.06*
764	STONE CANYON - 230 RIAL LANE	.14	0	0	3.46	6.36	0	1.04	0	0	0	0	0	11.00
765B	15801 MULHOLLAND DRIVE - KIRKMAN	.18	0	0	4.07	7.41	0	1.24	0	0	0	0	0	12.90
766	MANDEVILLE FIRE ROAD NO. 24	.14	0	0	3.38	6.56	0	.72	0	0	0	0	0	10.80
767	3351 MANDEVILLE CANYON ROAD	0	.04	0	3.25	7.26	0	1.25	0	0	0	0	0	11.80
768	SULLIVAN CANYON - FIRE ROAD NO. 26	.13	0	0	3.25*	6.45	0	.62	0	0	0	0	.02*	10.47*
769	SANTA YNEZ CANYON - TEMESCAL FIRE ROAD NO. 30	.15	0	0	3.20	5.63	0	.55	0	0	0	0	.01*	9.54**
770	SANTA YNEZ CANYON PASEO MIRAMAR	0	0	0	1.50	3.40	0	1.00	0	0	0	0	0	5.90
771	RUSTIC CANYON - SANTA MONICA MTS	0	0	0	1.85	4.45	0	.55	0	.01*	0	0	0	6.86**
772	LOS ANGELES ECHO PARK AND LUCRETIA	.15	0	0	2.07	3.57	0	.50	0	0	0	0	0	6.29
774	BARLOW SANITARIUM	.10	0	0	1.75	3.65	0	.55	0	0	0	0	0	6.05
776	NICHOLS CANYON - NEAR MULHOLLAND DRIVE	.17	0	0	2.43	6.20	0	1.00*	0	0	0	0	0	9.80*
777	KENTER CANYON - 259 NORTH KENTER	0	.05	0	2.08	4.96	0	.63	0	0	0	0	0	7.72
778B	SEPULVEDA CANYON - 11817 BELLAGIO ROAD	.04*	.03	0	2.56	5.95	0	.89	0	0	0	0	0	9.47**
779	GRIFFITH PARK - LOWER MINERAL WELLS	.23	0	0	2.45	5.65	0	.83	0	0	0	0	.02*	9.18**
780	GRIFFITH PARK - UPPER MINERAL WELLS	.20	0	0	2.25	5.60	0	.88	0	0	0	0	.02*	8.95**
783	COON CANYON	.98	0	0	2.64	6.23	0	.68	0	0	0	0	0	10.53
784	COON CANYON	.94	0	0	2.72	6.41	0	.68	0	0	0	0	0	10.75
785	COON CANYON	.96	0	0	2.62	6.77	0	.73	0	0	0	0	0	11.08
786	COON CANYON	.93	0	0	2.12	5.94	0	.75	0	0	0	0	0	9.74
787	COON CANYON	.94	0	0	2.59	6.54	0	.76	0	0	0	0	0	10.83
788	COON CANYON	.90	0	0	2.40	6.13	0	.71	0	0	0	0	0	10.14
789	EL PRIETO CANYON	1.25	0	0	2.64	6.93	0	.72	0	0	0	0	0	11.54
790	FILLMORE CITRUS ASSOCIATION	.19	.13	0	2.63	5.22	0	.90	0	0	0	0	.20	9.27
791	BUENA VENTURA LEMON ASSOCIATION - SATICOY	0	.07	0	1.58	3.95	0	.54	0	0	0	0	0	6.14
792	COUNTY AGRICULTURE OFFICE - SANTA PAULA	.05	.07	T	2.07	3.91	0	.55	0	0	0	0	.11	6.76
793	MARKHAM SADDLE	1.40	0	0	1.82	8.02	0	1.44	0	0	0	0	0	12.68
794B	LOWER FRANKLIN RESERVOIR	.08	T	0	2.18	5.70	0	.99	0	.04	0	0	T	8.99
795	PASADENA - JOURDAN	1.41	.17	T	2.44	5.94	0	.79	.01	.03	T	0	T	10.79
796	FIRE DEPARTMENT - ELYSIAN PARK	.14	0	0	1.21	3.18	0	.42	0	0	0	0	0	4.95
797	DE SOTO RESERVOIR	.45	.29	.01	2.22	4.39	0	.45	0	0	0	0	0	7.81
799	BALDWIN HILLS RESERVOIR	0	.08	0	1.45	3.62	0	.36	0	.03	T	0	.05	5.59
801	MAGIC MOUNTAIN	.63	.19	0	2.27	6.95	0	1.24	0	0	.17	0	.30	11.75
802B-E	EAGLE ROCK RESERVOIR	.43	.03	0	2.65	4.54	0	.56	0	0	0	0	.03	8.24
804	NORTH CANYON (GRIFFITH PARK)	.18	0	0	2.35	5.96	0	.92	0	0	0	0	.02*	9.43**
807	ASCOT RESERVOIR	.07	0	T	1.72	4.76	0	.59	0	T	T	0	.01	7.15
1000	HUNT CANYON - BONES RANCH	.79	.25	0	1.51	2.27	0	.05	0	0	0	0	.29	5.16
1002	TUJUNGA - EADE	.17	.05	0	3.20	5.23	0	.63	.07	0	0	0	.02	9.37
1005	MINT CANYON - THE OAKS	.25	T	.09	1.14	3.77	0	.35	0	0	0	0	.57	6.17
1006	SAN PEDRO - CITY RESERVOIR	.14	.03	.04	.85	4.39	0	.50	0	0	0	0	0	5.95
1007B	CAMP VALCREST - ANGELES CREST HIGHWAY	.25*	.14	0	3.00*	7.33	0	.65	0	0	0	0	.74	12.11*
1008-E	LA FRESA - S.C.E. CO.	.04	0	.08	1.40	4.01	0	.23	0	0	.02	0	.03	5.81
1009	MINT CANYON - DYER	.85	.75	0	2.62	4.00	0	.20	0	0	0	0	T	8.42
1010B	PALMER CANYON - FORKS	.12	.31	0	2.62	7.30	0	1.21	.08	.02	.03	0	0	11.69
1011B	PALOS VERDES FIRE STATION	.54	.12	.10	1.36	4.97	0	.69	0	0	0	0	0	7.78
1012	CASTAIC JUNCTION	.57	.18	T	2.05	2.59	0	.70	0	0	0	0	.10	6.19
1013B	TUJUNGA CANYON ABOVE GOLD CANYON	.14	.10	0	3.35	6.00	0	.72	0	0	0	0	T	10.31
1014D-E	RIO HONDO SPREADING GROUNDS	.13	0	0	1.99	4.11	0	.69	0	0	0	0	0	6.92
1016	PALO COMADO CANYON - AGOURA	.02	0	.03	3.01	4.73	0	.33	0	0	0	0	.24	8.36
1017	LITTLE ROCK CREEK ABOVE SANTIAGO CREEK	.35	.28	0	1.63	2.43	0	.02	0	0	0	0	.45	5.17
1018B	SANTA SUSANA MTS. - DEVIL CANYON	.63	.19	0	3.27	7.52	0	.82	0	0	0	0	.09	12.52
1019	SANTA SUSANA MTS. - SALT CANYON	.45	.13	0	2.32	5.33	0	.58	0	0	0	0	.16	8.97
1020	PADUA HILLS PATROL STATION	.11	.26	0	2.51	6.30	0	1.10	.07	.05	0	0	.09	10.49
1021	YERBA BUENA WATER TANK	.32	.17	0	2.66	6.47	0	1.47	0	0	0	0	.02	11.11
1022	HASLEY CANYON - WESTERN GULF OIL CO.	.77	.08	T	2.44	4.65	0	.76	0	0	0	0	.26	8.96
1023B	GARRAPATA CANYON - SPEER	.12	0	.03	4.15	6.31	0	.43	0	0	0	T	.07	11.11
1025	MALIBU BEACH - DUNNE	0	0	.10	1.60	3.80	0	.99	0	0	0	0	.05	6.54
1028C	CORRAL CANYON - CRUMP	0	.14	.08	3.12	5.35	0	1.23	0	.07	0	0	.01	10.00
1029	TUJUNGA MILL CREEK SUMMIT	.81	.31	0	1.53	4.34	0	.49	0	0	0	1.22	.61	9.31
1030	MT. ISLIP - LITTLE JIMMY SPRINGS	.39	1.80	0	4.64	18.32	0	1.81	0	0	0	1.03	1.55	29.54
1031B	MT. WATERMAN	.81	.77	0	3.87	8.25	0	.77	0	0	0	.26	1.81	16.54
1035	WHITTIER - WOOD	.10	0	0	2.15	3.88	0	.90	0	0	0	0	0	7.03
1036	LITTLE TUJUNGA CANYON	.19	0	0	2.54	5.70	0	1.13	0	0	0	0	.02*	9.58**
1037-E	ARCADIA - ARBORETUM	1.33	.21	0	2.35	6.40	0	1.19	T	.05	T	0	.07	11.60
1038	MT. PACIFICO	.25	.12	0	1.37	3.88	0	.31	0	0	0	0	.77	6.70
1039	LOS ANGELES - MAC QUEEN	.20	0	0	2.38	4.07	0	.70	0	0	0	T	T	7.35
1040	POTRERO CANYON - SUNRAY OIL CORP.	.46	.09	0	2.12	3.47	0	.66	0	0	0	0	.38	7.18

SEASONAL 1958-59 MONTHLY RAINFALL SUMMARY

RAINFALL RECORDS IN INCHES

STA. NO.	STATION	OCT.	NOV.	DEC.	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	SEAS. TOTAL
1041B	SANTA FE DAM	.75	0	0	2.24	5.05	0	.77	0	.06	0	0	0	8.86
1042	EASTFIELD GATE - ROLLING HILLS	.90	.06	.02	1.69	6.48	0	.63	0	0	0	0	0	9.78
1043	EAST CREST GATE - ROLLING HILLS	.20	.07	.04	1.21	4.61	0	0	0	0	0	0	0	6.13
1044	PORTUGUESE BEND	.14	.06	0	.92	4.41	0	.38	0	0	0	0	0	5.90
1045	WEST GATE - ROLLING HILLS	.18	.20	.02	1.20	3.89	0	.48	0	0	0	0	0	5.97
1046B	BIG SANTA ANITA-CHANTRY FLAT	1.04	.05	0	3.04	8.58	0	2.13	0	T	0	0	.23	15.07
1048B	LA CRESCENTA - CO. ROAD DEPARTMENT	.53	.02	0	2.84	7.74	0	.80	T	.05	0	0	.07	12.05
1050	OLD TOPANGA CANYON - GRAY	0	.08	.04	5.30	7.65	0	.66	0	.03	0	.01	0	13.77
1051	CANOGA PARK PIERCE COLLEGE	.03	.01	T	3.25	3.92	0	.33	0	0	0	0	.03	7.57
1052	CAMP JOSEPHO	.02	.08	.03	3.05	7.21	0	1.36	0	0	0	0	T	11.75
1053	TUJUNGA CANYON - SOLOMON	.03	.10	0	3.30	5.45	0	.76	0	0	0	0	0	9.64
1054	VETERAN'S HOSPITAL - SAN FERNANDO	.49	.20	0	2.79	4.99	0	.80	0	0	0	0	0	9.27
1055	SAN ANTONIO DIVIDE	.64	.54	0	1.84	15.62	0	1.70	T	0	0	.10	1.80	22.24
1056	LANCASTER - MC CARGAR	.07	0	0	.50	1.29	0	0	0	0	.17	.10*	.24	2.37**
1057B	WHITTIER NARROWS - ABOVE DAM	.19	.02	0	1.83	4.06	0	.92	0	0	T	T	.05	7.07
1058	PALMDALE 2 N.E.	.24	.16	0	.52	1.04	0	.13	0	0	.49	.02	.12	2.72
1059B	SOUTH HAWKINS	.49	1.38	0	2.80	13.18	0	1.76	0	0	0	.58	.45	20.64
1060	LITTLE ROCK - SYCAMORE CAMP	.38	.31	0	1.52	3.43	0	.18	0	0	.27	.99	1.06	8.14
1062	BUCKHORN FLAT	.29	.69	0	3.70	11.47	0	1.73	0	0	T	.28	1.85	20.01
1063	SOLEDAD PASS	.61	.27	0	1.19	2.67	0	.15	0	0	T	.12	.19	5.20
1064	SAN GABRIEL EAST FORK - DOT MINE	.40*	.16	0	2.26	9.00	0	2.33	.05*	0	.01*	.50*	.30*	15.01**
1066	LONG BEACH WOODRUFF AVENUE	.62	T	T	.89	3.60	T	.97	0	0	T	T	T	6.08
1067	SANTIAGO CANYON	.80	.36	0	1.52	3.99	0	.19	0	0	0	0	.18	6.84
1068	RATTLESNAKE CANYON - CAMP NO. 3	0	.32	.35	3.14	6.12	.02	1.04	0	.04	0	0	.22	11.25
1069	SAN GABRIEL - EAST FORK TUNNEL	.70	.17	0	2.27	7.39	0	2.88	.10	T	.02	.60	.39	14.52
1070	MANHATTAN BEACH	0	0	.02	1.24	3.64	0	.19	0	0	0	0	.05	5.14
1071B-E	DESCANSO GARDENS	.72	.06*	0	2.70	6.05	0	.65	0	.02	0	0	.05	10.25**
1072	LITTLE TUJUNGA RANGER STATION	.20*	.05	0	3.40	3.19	0	1.05	0	0	.04	T	.11	8.04**
1073B	PALMDALE - CIRCLE C	.77	.19	T	1.04	1.90	0	.04	T	0	T	T	.31	4.25
1074	LITTLE GLEASON	.43	.22	0	1.44	7.23	0	1.04	0	0	0	.79	.40	11.55
1075	UPPER WOLFSKILL CANYON	.13	.48	0	2.72	7.82	0	1.50	.06	T	T	T	.21	12.92
1076	HIDDEN SPRINGS	.32	.10	0	2.62	8.53	0	.55	T	0	T	T	.39	12.51
1077B	MONROVIA - 5 POINTS	1.15	.07	0	2.38	6.84	0	1.38	0	.06	0	0	.04	11.92
1078	COVINA - GRIFFITH	.10	.10	0	2.68	2.83	0	1.12	0	0	0	0	0	7.83
1079	RUBIO DEBRIS BASIN	1.36	.04	0	3.08	6.31	0	.76	.06	.07	0	0	.03	11.71
1080B	BRADBURY DEBRIS BASIN	.92	.07	0	2.78	7.79	0	1.13	0	.06	0	0	.01	12.76
1081	DEER DEBRIS BASIN	.47	T	0	1.94	5.87	0	.74	0	.02	0	0	.01	9.05
1082	DUNSMUIR DEBRIS BASIN	.33	0	0	3.80	8.97	0	.96	0	.04	0	0	.03	14.13
1083	MADDOCK DEBRIS BASIN	.99	.03	0	2.49	7.31	0	1.25	.01	0	0	0	.04	12.12
1084	MAY DEBRIS BASIN	.49	.07	0	2.62	3.94	0	.72	.01	T	0	0	.10	7.95
1085	MC CLURE DEBRIS BASIN	.04	.02	0	2.95	5.97	0	.47	0	0	0	0	.20	9.65
1086	TURNBULL DEBRIS BASIN	.09	0	0	1.31	3.61	0	.89	.02	0	0	0	.05	5.97
1087-E	GREEN VERDUGO PUMP PLANT	.27	.01	0	2.36	4.71	0	.86	T	0	0	0	0	8.21
1088B	LA HABRA HEIGHTS WATER CO.	.06	T	0	1.85	3.47	0	1.45	0	0	0	0	0	6.93
1089C	TOPANGA CANYON OUTLET	T	0	0	1.86	5.87	0	.96	0	T	0	0	0	8.69
1090	LOS ALAMITOS	.90	0	0	.74	3.10	0	.77	0	0	0	0	0	5.51
1091	CYPRESS	.38	0	0	1.25	2.82	0	1.15	0	0	0	0	0	5.60
1092	BUENA PARK	.09	0	0	1.08	2.35	0	.70	0	0	0	0	0	4.22
1093-E	FULLERTON AIRPORT	.09	.04	.02	1.40	2.70	0	.75	0	0	0	0	0	5.00
1094	BREA	.07	.27	0	1.69	3.15	0	1.00	0	0	0	0	0	6.18
1095	ORANGE COUNTY RESERVOIR	0	.18	0	1.96	3.03	0	.92	0	0	0	0	0	5.99
1096	LA VIDA SPRINGS	.50	0	0	2.00	3.10	0	.60	0	0	0	0	0	6.20
1097	CARBON CANYON SUMMIT	.55	.15	0	2.08	3.13	0	.60	0	0	T	T	.10	6.61
1098	BREA CANYON	1.00	0	0	2.35	3.85	0	.75	0	0	0	0	0	8.05
1099	WHITTIER - CATE	.15	0	0	2.34	3.80	0	.83	0	0	0	0	.03	7.15
1101	DEL SUR SCHOOL	.01	.60	0	1.09	1.70*	0	T	0	0	0	0	0	3.40*
1102	BOBCAT CANYON - SAN GABRIEL WEST FORK	.88	.19	0	2.12	9.28	0	1.03	0	0	.25	0	.16	13.91
1104	BOUQUET CANYON - TEXAS CANYON	.49	.23	.03	1.75	3.90	0	1.32	T	0	0	0	0	7.72
1105	FAIRMONT - BARNES	.02	.13	0	2.08	3.85	0	0	0	0	0	0	.35	6.43
1106	ANTELOPE VALLEY FIELD STATION	.02	.33	0	1.45	2.64	0	.10	0	0	0	0	.12	4.66
1107B	LA TUNA CANYON	.10	0	0	2.60	4.83	0	.70	0	0	0	0	0	8.23
1108	ANAVERDE - PLATT	.42	.25	0	1.20	2.98	0	.25	0	0	0	0	.42	5.52
1109	MT. BALDY	.66	.56	0	1.91	16.67	0	1.76	0	0	0	.10	.94	22.60
1110	SCHOLL DEBRIS BASIN	.44	.04	0	2.50	4.77	0	.56	.01	.03	0	0	.02	8.37
1111B	PUNCHBOWL RANCH	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	1.43	INC.
1112	BEAR CANYON - SAN GABRIEL WEST FORK	.04	.69	0	2.44	12.08	0	1.60	0	0	0	1.10*	.50*	18.45**
1113	DOMINGUEZ WATER CO.	.80	0	0	1.35	4.13	0	.42	0	0	0	0	0	6.70
1114	WHITTIER NARROWS DAM	.10	0	0	1.76	3.85	0	.74	0	0	0	0	0	6.45
1115	SAN ANTONIO DAM	.21	.20	0	2.74	6.06	0	1.14	0	.07	0	0	.12	10.54
1116	LONG BEACH - SAN ANSELINE	.65	T	T	.80	3.98	T	1.05	0	0	T	T	.04	6.52
1117	PINE CANYON - G.S.	.68	1.00	0	2.05	6.16	0	.96	T	0	T	0	.62	11.47
1118	LAKEWOOD	.68	T	T	.83	3.68	T	.52	0	0	T	T	T	5.71
1119	ATMORE MEADOW	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.
1120	DAWSON SADDLE	.26	1.03	0	3.35	9.04	0	1.03	0	0	0	.52	1.55	16.78
1121	BARLEY FLAT	.76	.05	0	3.55	11.07	0	1.36	0	0	0	0	3.12	19.91
1122	COOKS DEBRIS BASIN	.34	0	0	2.94	7.05	0	.73	0	0	0	0	.01	11.07
1123	CIMA MESA - FARVUE RANCH	.42	.48	0	1.81	2.95	0	.08	0	0	0	.51	.62	6.87
1124	RED BOX GAP	.90	.10	0	3.05	13.42	0	1.08	0	0	0	0	.69	19.24
1125	LA PUENTE	.44	0	0	2.67	3.64	0	1.52	0	0	0	0	0	8.27
1126	L.A.W.D. - EAST VALLEY	.05	0	0	3.16	5.03	0	.73	0	0	T	0	.13	9.10
1127	WEST BURBANK	0	0	0	2.84	5.79	0	.50	0	0	0	0	.03	9.16
1128	WRIGHTWOOD FIRE STATION	.33	.33	.02	1.35	5.75	0	.86	0	.03	.24	.78	2.41	12.10
1129	NICHOLAS CANYON	0	.10	.16	1.85	3.01	0	.80	0	.03	0	0	.03	5.98
1130	PUZZLE SPRINGS RANCH	.05	.45	0	2.00	2.88	0	.12	T	0	.10	.35	1.58	7.53
1131	CHARTER OAK - WALKER	.17	.35	0	2.92	4.13	0	1.32	.03	0	0	0	0	8.92
1132	OAK FLAT GUARD STATION	.14	.29	0	3.06	8.63	0	1.04	0	0	0	0	.57	13.73
1133	FISH CANYON	.40	.28	0	3.55	11.72	0	2.35	.05	0	0	0	.16	18.51
1135	LUNADA BAY	0	.23	0	1.16	3.66	0	.31	0	0	0	0	0	5.36
1136	DUARTE FIRE STATION	1.10*	.03*	0	2.60	6.19	0	.87	0	0	0	0	0	10.79*
1137	STOUGH PARK	.04*	.02*	0	3.27*	6.50	0	.47*	0	0	0	0	.01*	10.31*
X6	ENCINO	.08	T	0	4.02	7.16	0	.55	0	0	0	0	.02	11.83
X12B	WILSONA	.37*	.26*	0	.15	.78	0	0	0	0	.09	0	.35*	2.00*
X15	HI VISTA - CARD	.22*	.25	0	.20	1.05	0	0	0	0	0	.10	.10	1.92*
X19	COOKS CANYON	.38	0	0	2.79	6.96*	0	.84	0	0	0	0	0	10.97**
X21	DUNSMORE CANYON - UPPER	.26	0	0	3.06	8.35*	0	1.31	0	0	0	0	0	12.98*
X22	ISLIP SADDLE	.53	1.28	0	3.69	11.07	0	1.12	0	0	0	2.44	2.40	22.53
X23	ODER CANYON	.25	1.38	0	3.56	9.31	0	1.50	0	0	0	.96	1.10	18.06
X24	GRASSY HOLLOW	.50	.75	0	1.13	6.07	0	.81	0	0	0	.14	1.60	11.00
X25	BEAR CANYON	.06	1.00	0	1.25	11.00	0	1.12	0	0	0	.55	.57	15.55
X26	BLUE RIDGE	.12	.75	0	.88	5.37	0	.94	0	0	0	.44	1.06	9.56
X27	GUFFYS CAMP	.12	.62	0	.50	11.07	0	1.38	0	0	0	.90	1.29	15.88
X28	HOLIDAY HILL	.28	.41	0	1.88	6.94	0	.63	0	0	0	.15	.46	10.75
X29	PINE MOUNTAIN	.26*	.30*	0	3.95	11.92	0	2.20	.12	0	0	0	.12	18.87**

LEGEND

* ESTIMATE > 10% OF TOTAL
** ESTIMATE < 10% OF TOTAL

INC. INCOMPLETE RECORD
N.I. NOT INSTALLED
N.R. NO RECORD

TABLE VIII

RAIN GAGE STATION LOCATION

SEASON 1957-58

STA. NO.	TYPE GAGE	QUAD INDEX	ELEV. OF GAGE	NORTH LAT. ° ' "	WEST LONG ° ' "	OBSERVER	LOCATION
28	SA	22-25	1050	34 02 55	118 46 25	DAVID HELLER	ESCONDIDO CANYON, 3 MILES ABOVE PACIFIC COAST HIGHWAY
38	S	34-09	975	34 06 20	118 47 29	V.M. WARD	SEMINOLE HOT SPRINGS - LA SIERRA CANYON AT CORNELL
58	S	35 64	924	34 09 24	118 38 14	TOM FARMER	4803 EL CANYON AVENUE, CALABASAS
6	SA	24-01	747	34 05 03	118 35 57	FIRE STATION EMPLOYEES	0.5 MILE SOUTH OF TOPANGA POST OFFICE, 401 S. TOPANGA BOULEVARD
9B	SP	48-36	828	34 13 53	118 28 04	WALT WILDING	8845 SEPULVEDA BOULEVARD, SEPULVEDA
10	SA	25-51	540	34 05 11	118 26 45	T.J. LE BLANC	701 STONE CANYON ROAD, WEST LOS ANGELES
11C	SP A	37-87	867	34 07 14	118 24 38	H. KING	UPPER FRANKLIN CANYON RESERVOIR, 2300 FRANKLIN CANYON ROAD
12	S	37-97	1100	34 07 45	118 24 20	S.J. WALTMAN	12601 MULHOLLAND HIGHWAY AT FRANKLIN CANYON
13B	S	38-34	593	34 09 23	118 21 56	KATIE BLIX	10834 WEST BLIX STREET NORTH HOLLYWOOD
14B	SP	49-46	1050	34 14 19	118 21 33	E.S. MERRILL	10459 TUXFORD STREET SUN VALLEY
15	SA	37-41	695	34 10 48	118 27 03	L. SWINNEY	5345 VESPER STREET, VAN NUYS
17	S	37-06	1425	34 07 51	118 29 26	L.A.F.D. PERSONNEL	16500 MULHOLLAND DRIVE, WEST OF SEPULVEDA CANYON
18C	S	36-63	785	34 10 07	118 32 07	J.S. MAGNUSON	18448 VENTRUA BOULEVARD, RESEDA
20B	S	35-84	986	34 09 07	118 36 35	A.E. AUTENRIETH	GIRARD RESERVOIR NEAR TOPANGA CANYON BOULEVARD AND VENTURA BOULEVARD
21	S	36-02	891	34 10 16	118 35 56	C.F. DAIC	5545 CANOGA AVENUE, WESTWOOD HILLS
23-E	SP AP	46-87	865	34 13 34	118 36 58	L.A.W.D. HYDROGRAPHER	EAST END CHATSWORTH RESERVOIR, WEST END SAN FERNANDO VALLEY
24D	S	46-94	957	34 15 23	118 36 19	L. BATWAY	10202 TOPANGA CANYON BOULEVARD, CHATSWORTH
25B	S	47-57	795	34 13 43	118 32 53	T.G. ANDREWS	19055 WEST PARTHENIA STREET, NORTHRIDGE
27B	S	48-55	902	34 14 57	118 26 40	GLEN C. RADDATZ	14333 VAN NUYS BOULEVARD, PACOIMA
28D	SP	48-32	950	34 16 22	118 27 50	SAN FERNANDO LEMON ASSOCIATION	15300 SAN FERNANDO MISSION BOULEVARD, SAN FERNANDO
29B	S	47-81	1150	34 16 58	118 30 46	L.A.W.D. OPERATOR	MAYERLING STREET AT L.A.W.D. GRANADA PUMP PLANT
30B	SP	59-28	1250	34 18 40	118 28 20	MIKE FUSANO	13143 SAN FERNANDO ROAD, SYLMAR
31	S	58-27	2850	34 19 28	118 34 14	W.J. WILLETT	ORCUTT RANCH SANTA SUSANA MOUNTAINS AT HEAD OF RICE CANYON
32C	S	58-61	1243	34 23 07	118 31 54	L.A. CO. F. & F.W. EMPLOYEES	24875 SAN FERNANDO ROAD NEWHALL
33A'-E	SA	60 07	1500	34 19 48	118 23 59	E.K. BARR	BELOW PACOIMA DAM AT CARETAKER'S HOUSE
39B	8.81	50-19	1610	34 12 18	118 17 05	L.A.C.F.C.D EMPLOYEES	SUNSET DAM, BURBANK
42	8.81	7-15	75	33 50 28	118 23 22	F.M ARNOLD	122 EMERALD STREET, REDONDO
43B	SP	2-20	450	33 47 47	118 22 12	N.P. DEL SELVA	PALOS VERDES ESTATES, AT GOLF COURSE
43C	S	7-09	250	33 48 02	118 23 25	R.W. HIATT	PALOS VERDES ESTATES, AT FIRE STATION, PALOS VERDE DRIVE W. AND VIA CORTA
44	S	1-85	125	33 44 30	118 24 38	A. SACCAMAGNO	POINT VICENTE LIGHTHOUSE, WEST PALOS VERDES DRIVE
46D-E	SA	51 10	2315	34 17 31	118 11 15	D.J. ROBERTSON	BIG TUJUNGA DAM, WEST OF SPILLWAY
47D	SA	51-22	3200	34 16 40	118 10 15	BOB AMBROSE	CLEAR CREEK, 1.6 MILES ABOVE BIG TUJUNGA CANYON
48B	S	51-15	2000	34 14 40	118 10 50	U.S.F.S. EMPLOYEES	OAK WILDE - ARROYO SECO
50B	S	40-10	1155	34 11 52	118 11 05	L.A. CO. F. & F.W. EMPLOYEES	312 W. GEORGIAN ROAD, PASADENA
51	S	65-69	4010	34 18 06	117 50 20	MRS. N.T KHAZOYAN	FALLING SPRINGS RESORT, NORTH FORK, SAN GABRIEL CANYON
52B	S	51-44	3000	34 15 32	118 09 14	NORMA FITZGERALD	SWITZERS CAMP, ARROYO SECO, SAN GABRIEL MOUNTAINS
52C	SA	51 53	3290	34 15 58	118 08 37	U.S.F.S. EMPLOYEES	WATERMAN GUARD STATION - ARROYO SECO, SAN GABRIEL MOUNTAINS
53D	SA	62-89	3675	34 18 02	118 06 39	E.R. SHINN	COLBY'S COLDWATER CANYON ABOVE BIG TUJUNGA CANYON
54C	SP A	63-55	4300	34 20 55	118 02 55	W.A EMINGER	JUNCTION NORTH AND MIDDLE FORKS, ALDER CREEK ABOVE BIG TUJUNGA CANYON
57B-E	SP A	52-04	4250	34 15 18	118 05 41	F. BENTON	WEST FORK SAN GABRIEL RIVER, OPID'S (CAMP HI HILL)
58	S	52-67	3225	34 13 51	118 02 19	L.A.C.F.C.D. EMPLOYEES	STURTEVANT CAMP BIG SANTA ANITA CANYON
60A	SA	52 69	2650	34 12 32	118 02 02	L.A.C.F.C.D. EMPLOYEES	WINTER CREEK WEST OF SANTA ANITA CANYON, HOEGEE'S
63B-E	SA	41-81	1400	34 11 03	118 01 09	K.A SHIPLEY	SANTA ANITA DAM AT CARETAKER'S HOUSE
66	S	41-54	658	34 09 27	118 02 36	RICHARD LAWYER	415 ORANGE GROVE AVENUE, SIERRA MADRE
67D	S	41 95	560	34 08 57	118 00 04	E. IRWIN	119 WEST PALM AVENUE, MONROVIA
68B	SA	42-12	1378	34 10 34	117 59 14	F.D. KELLY	SAWPIT DAM NEAR RIGHT ABUTMENT
69B	SA	42-21	1775	34 10 50	117 58 18	F.D. KELLY	SAWPIT CANYON, ONE MILE NORTHEAST OF SAWPIT DAM
70B	SA	42 93	790	34 09 49	117 54 06	W. GOEDERT	MOUTH OF SAN GABRIEL CANYON 0.15 MILE EAST OF ROBERT'S CANYON
73	S	43-54	1165	34 09 22	117 50 57	O.H. ENGLEHART	MOUTH OF ENGLEWILDE CANYON, GLENDORA
76B	S	54-57	1500	34 13 33	117 50 48	E.K. DE VORE	SAN GABRIEL CANYON ABOVE SAN GABRIEL DAM
80B	ST	67-06	5680	34 20 30	117 41 35	L.A.C F.C.D. EMPLOYEES	PRAIRIE FORK 2.5 MILES UPSTREAM FROM VINCENT GULCH
81B	ST	66-42	6600	34 22 26	117 45 05	L.A.C.F.C.D. EMPLOYEES	ANGELES CREST HIGHWAY, AT VINCENT GAP
82D	S	67-11	7500	34 22 53	117 41 05	SMITHSONIAN INSTITUTE EMPLOYEES	TOP OF TABLE MOUNTAIN, NORTHEAST OF BIG PINES RECREATION PARK
83	SA	67-12	6860	34 22 45	117 41 28	U.S.F.S. EMPLOYEES	BIG PINES RECREATION PARK, ANGELES CREST HIGHWAY
85F	SA	56-46	4300	34 14 12	117 39 32	H. STONE	U.S.F.S. GUARD STATION, MT BALDY, CALIFORNIA
87	S AP	44-33	1485	34 10 03	117 46 02	U.S.F.S. EMPLOYEES	9292 N. MAINFORK, SAN DIMAS CANYON ROAD
89B-E	S	44-24	1350	34 09 10	117 46 17	AL BLEEMERS	SAN DIMAS CANYON BELOW DAM AT CARETAKER'S HOUSE
90	S	44-45	1680	34 09 00	117 45 32	CHARLES S. ELDER	6025 BRYDON ROAD, LA VERNE
91	S	44 87	1403	34 07 22	117 43 11	TOM ALLEN	2945 INDIAN HILL BOULEVARD, CLAREMONT
92	SA	32-90	1185	34 05 48	117 42 33	DR. PAUL ROUTLY	POMONA COLLEGE AT BRACKETT OBSERVATORY CLAREMONT
93B	8.81	32-80	1180	34 05 45	117 42 57	C. MORGAN & G. HAMBLIN	215 WEST SECOND STREET, CLAREMONT
94B	S	43-49	732	34 06 26	117 51 17	T.C. MAYO	BONNIE COVE DRIVE AND ARROW HIGHWAY, COVINA
95	S	43-99	960	34 06 26	117 48 19	L.A. CO. F. & F.W. EMPLOYEES	114 EAST FIRST STREET, SAN DIMAS
96B-E	SA	31 90	1030	34 05 30	117 48 22	G.F. OLINGER	PUDDINGSTONE DAM AT CARETAKER'S HOUSE
98	SP	42-96	602	34 08 02	117 54 14	JOHN HIRSCH	325 EAST FOOTHILL BOULEVARD, AZUSA
99B	S	43-06	615	34 07 57	117 53 32	C.A. MEYER	18352 EAST FOOTHILL BOULEVARD, AZUSA
101	S	30-53	358	34 03 51	117 57 00	C.J. HURST	SOUTHEAST CORNER MERCED AVENUE AND ORANGE AVENUE, WEST COVINA
102B	S	31 29	488	34 00 12	117 52 14	L.A. CO. F. & F W EMPLOYEES	19711 EAST VALLEY BOULEVARD, WALNUT
104	S	30-09	575	34 00 26	117 59 42	JOHN THOMAS	14570 EAST ORANGE GROVE AVENUE, LA PUENTE, CALIFORNIA
106C	S	16 52	340	33 58 27	118 01 57	K.R WARREN	333 EAST PENN STREET, WHITTIER
107C	8.81	15-66	130	33 56 18	118 08 03	DOWNEY CITY FIRE DEPARTMENT	11435 SOUTH DOWNEY AVENUE, DOWNEY
108C	SA	29-52	275	34 04 30	118 02 30	RAYMOND BRUTON	119 SOUTH HOYT AVENUE, EL MONTE
109D	S	41 27	547	34 07 42	118 04 22	L.A CO. F. & F W EMPLOYEES	7225 NORTH ROSEMEAD BOULEVARD, ARCADIA
110	S	28-70	485	34 05 40	118 07 43	L.E. MOELLER	7 NORTH SECOND STREET, ALHAMBRA
111	SP	40-48	690	34 06 58	118 09 05	ROBERT D BOWMAN	1414 MISSION STREET, SOUTH PASADENA
116C	SA	13-43	155	33 57 54	118 21 15	R.L. JACKSON	11 REGENT STREET, INGLEWOOD
117F	S	8-70	76	33 53 42	118 13 34	FIRE STATION EMPLOYEES	201 SOUTH ACACIA STREET COMPTON
118C	S	3-40	40	33 47 27	118 15 30	E.J. PETESROSINO	401 EAST M STREET WILMINGTON
119D	S	25-44	355	34 03 19	118 27 22	JOSEPHINE MC CARTHY	NATIONAL MILITARY HOME, WILSHIRE BLVD. AND SEPULVEDA BLVD., SAWTELLE
120	S	74-51	3135	34 29 17	118 08 29	L.A. CO. F. & F W EMPLOYEES	1533 SIERRA HIGHWAY, VINCENT
122D	S	98 18	3125	34 37 04	118 17 17	RALPH RITTER	8858 ELIZABETH LAKE PINE CANYON ROAD, SOUTH OF AMARGOSA CREEK
124B	AP	84-31	3050	34 35 14	118 21 45	L.A W D. CARETAKER	NORTHWEST OF SPUNKY CANYON ROAD AND BOUQUET CANYON ROAD
125	SP	83-40	2100	34 35 20	118 27 10	POWER HOUSE OPERATOR	POWER PLANT NO. 1, UPPER SAN FRANCISQUITO CANYON
126B	S	12-41	55	33 59 21	118 27 15	H. LEWIN	FIRE STATION - VENICE
127	SP	70-71	1511	34 28 55	118 31 40	JIM RAY	DRY CANYON DAM, 2 MILES ABOVE SAN FRANCISQUITO CANYON ROAD
128B	SA	95-39	2075	34 36 28	118 33 40	E.E. STUDLEY	ELIZABETH LAKE CANYON AT WARM SPRINGS CAMP
130B	S	106-85	4025	34 44 37	118 42 43	JERRY E. FRYER	47376 OLD RIDGE ROUTE SANDBERG
134	S	44-07	1110	34 07 39	117 47 42	A.L. STEVENS	NORTH OF FOOTHILL, WEST OF SAN DIMAS CANYON ROAD, SAN DIMAS
135	S	10-30	85	33 53 52	118 04 00	C.J. HARGITT	12450 MAPLEDALE STREET, NORWALK
136B	S	26-70	305	34 05 28	118 19 30	CITY EMPLOYEES	6223 SANTA MONICA BOULEVARD, HOLLYWOOD
139B	SP AP	27-54	385	34 03 09	118 14 46	W.A. WILDE	316 WEST SECOND STREET, LOS ANGELES
140	S	25-55	232	34 02 44	118 26 57	L.A CITY EMPLOYEES	1620 PURDUE, WEST LOS ANGELES
140B	AP	25-45	232	34 02 42	118 27 08	L.A. CITY EMPLOYEES	11550 SANTA MONICA BOULEVARD, WEST LOS ANGELES
143	S	42-96	618	34 08 04	117 54 17	CORNELIUS SMITH	CITY HALL, AZUSA
144	S	41-52	1100	34 10 34	118 02 32	CARL REES	BELOW SIERRA MADRE DAM
155B	S	67-79	3035	34 30 18	118 01 40	MERTIE BRESLIN	LITTLE ROCK CREEK, 1.5 MILES BELOW LITTLE ROCK DAM
156	SA	10-81	86	33 53 13	118 00 56	LYNN EDWARD	14758 ALONDA BOULEVARD, LA MIRADA
157B	S AP	12-88	150	33 54 57	118 25 05	DON MORGAN	STANDARD OIL REFINERY, EL SEGUNDO
158	SP AP	55-49	2750	34 12 20	117 45 40	L.F. REIMAN	WEST FORK SAN DIMAS CANYON, TANBARK FLATS
167B	S	41-64	611	34 09 31	118 02 01	J. THOMAS	67 WEST ORANGE GROVE AVENUE, ARCADIA
169-E	SP	41-63	700	34 09 47	118 02 21	CARL REES	621 EAST SIERRA MADRE BOULEVARD, SIERRA MADRE
170C	S	29-15	285	34 02 35	118 04 50	K.P. TATUM	1140 NORTH WALNUT GROVE AVENUE, SAN GABRIEL
171B	S	41-35	635	34 08 47	118 04 03	W.E. COMERFORD	SOUTH OF COLORADO AT MICHILLINDA AVENUE, PASADENA
172B	S	42-35	548	34 08 28	117 58 02	W.B. BENGEL	1101 SOUTH OAK STREET, DUARTE
174	SP	43-66	960	34 07 57	117 49 09	L.A WARREN	310 AMELIA AVENUE, GLENDORA

RAIN GAGE STATION LOCATION

SEASON 1957-58

STA. NO.	TYPE GAGE	QUAD INDEX	ELEV. OF GAGE	NORTH LAT. ° ' "	WEST LONG. ° ' "	OBSERVER	LOCATION
175B	S	50-87	2020	34 13 40	118 12 42	LA CANADA IRRIGATION DIST.	1443 FOOTHILL BOULEVARD, LA CANADA
176	SP	40-61	1125	34 10 55	118 08 15	MAXINE LONG	583 SACRAMENTO STREET, ALTADENA
177F	S	51-09	1270	34 12 12	118 11 40	J.P. AP ROBERTS	4603 ORANGE KNOLL, LA CANADA
179G	SA	41-32	1180	34 10 25	118 03 38	L.A.C.F.C.D. EMPLOYEES	BAILEY CANYON ABOVE DEBRIS DAM, SIERRA MADRE
181B	S	29-94	293	34 03 09	118 00 04	R.S. CLIFFORD	13010 EAST VALLEY BOULEVARD, PUENTE
185	S	43-46	822	34 08 23	117 51 33	MRS. L.M. WEST	460 EAST BENNETT STREET, GLENDORA
188C	S	44-08	1070	34 07 08	117 47 38	WAYNE E. MORRISON	961 SAN DIMAS CANYON ROAD, SAN DIMAS
191B	SA	28-03	400	34 03 46	118 11 54	L.A.C.F.C.D. EMPLOYEES	2250 ALCAZAR STREET, LOS ANGELES
192C	8.81	15-12	145	33 58 45	118 11 16	J.H. CARROLL	6320 PINE AVENUE, BELL
193	S	31-21	575	34 04 57	117 52 28	W.B. TEMPLE	19248 PUENTE STREET, COVINA
196B	8.81	44-29	1050	34 06 03	117 46 12	G.E. EVANS	2061 THIRD STREET, LA VERNE
198B	8.81	39.21	890	34 11 04	118 16 32	L.A.C.F.C.D. PERSONNEL	MOUTH OF BRAND CANYON AT BRAND DEBRIS BASIN, GLENDALE
199C	S	14-92	147	33 58 33	118 12 25	WILL LOUGH	6900 BISSELL STREET, HUNTINGTON PARK
200	S	70-27	1096	34 25 21	118 34 26	J.W. BECK	SOUTHERN CALIFORNIA EDISON COMPANY SUBSTATION, 2.5 MILE WEST OF SAUGUS
201	SA	17-00	860	33 59 40	117 59 27	HARVEY LOWERY	3075 TURNBULL CANYON ROAD, PUENTE
206	S	30-94	467	34 03 19	117 54 23	P.R. JACKSON	1126 SOUTH AZUSA AVENUE, VALENCIA HEIGHTS, WEST COVINA
208B	S	10-13	52	33 51 48	118 04 58	L.A. CO. F. & F.W. EMPLOYEES	18641 SOUTH CORBY AVENUE, ARTESIA
210B	S AP	39-21	1250	34 11 18	118 16 20	L.A.C.F.C.D. EMPLOYEES	200 FEET ABOVE WATER TANK, BRAND PARK, GLENDALE
213D	SA	26-43	175	34 03 50	118 21 29	L.A.C.F.C.D. EMPLOYEES	HANCOCK PARK, 5801 WILSHIRE BOULEVARD, LOS ANGELES
215D	S	9-71	70	33 52 55	118 07 25	RALPH MC CLURG	9834 EAST FLOWER STREET, BELLFLOWER
216	SP	39-43	615	34 09 54	118 15 01	J.E. JONES	318 EAST RANDOLPH STREET, GLENDALE
219	S	48-94	955	34 15 21	118 24 24	L.A. CO. F. & F.W. EMPLOYEES	12605 OSBORNE AVENUE, PACOIMA
221F	S	59-99	1300	34 18 33	118 24 14	MRS. J.W. DUCKWORTH	12500 NORTH MACLAY STREET, PACOIMA
222C	SP	38-10	717	34 11 39	118 23 17	L.A. CITY W.D. EMPLOYEES	11803 VAN OWEN STREET, LOS ANGELES
223B-E	SA	43-83	1575	34 10 06	117 48 36	D.E. WILSON	BELOW BIG DALTON DAM AT CARETAKER'S HOUSE
224B	S	4-03	180	33 46 06	118 11 28	R.A. BIXBY	FIRST STREET AND PINE AVENUE, LONG BEACH
225	S	9-85	47	33 50 35	118 07 09	E. SMEATON	MONTANA RANCH, 5812 EAST ARBOR ROAD, LAKEWOOD
226B	S	38-91	580	34 10 58	118 18 23	CHIEF W.J. TAYLOR	353 EAST OLIVE STREET, BURBANK
227D	S	40-99	472	34 06 18	118 06 32	A.E. BRUINGTON	636 WEST HERMOSA DRIVE, SAN GABRIEL
228B	S AP	26-02	290	34 04 27	118 23 57	C. VALLE RIESTRA	CITY HALL ROOF, BEVERLY HILLS
230C	SP	44-68	1255	34 06 57	117 44 11	C.F. ELDER	4055 NORTH SAN ANTONIO AVENUE, EAST OF THOMPSON CREEK, LA VERNE
235B	SP A	41-10	2550	34 11 36	118 05 18	ROBERT NELSON	HENNIGER FLATS NEAR MT. WILSON TOLL ROAD
236B	S	59-88	1455	34 19 12	118 24 59	CARL GOFF	MOLLIN GROVES, 13037 HUBBARD AVENUE, SAN FERNANDO
237C	SP	37-49	865	34 06 21	118 27 13	L.A.W.D. EMPLOYEES	1680 STONE CANYON ROAD, STONE CANYON RESERVOIR
238	SP	38-68	750	34 07 04	118 19 55	L.A.W.D. EMPLOYEES	HOLLYWOOD DAM
241B	S	4-03	68	33 46 10	118 11 37	C. BOWER	VETERAN'S MEMORIAL BUILDING, LONG BEACH
245B	S	26-18	75	34 01 00	118 23 17	CITY OF CULVER CITY EMPLOYEES	CORNER JEFFERSON BOULEVARD AND DUQUESNE AVENUE, CULVER CITY
250D	SA	74-04	2550	34 27 02	118 11 52	JOHN V. HEDGECOCK	SOLEDAD AND ARRASTRE CANYON ROADS, ACTON
251	S	50-57	1565	34 13 28	118 14 24	LA CRESCENTA VALLEY WATER DIST.	2908½ FOOTHILL BOULEVARD, LA CRESCENTA
254B	S	30-69	380	34 00 12	117 56 19	JOHN FERRERO	16838 VALLEY BOULEVARD, PUENTE
255C	S	31-55	755	34 02 48	117 50 43	CLARK THOMAS	SAN JOSE HILLS NEAR SPADRA, MT. SAN ANTONIO COLLEGE
256B	S	32-44	876	34 03 17	117 45 02	CAPTAIN DON COLTON	216 WEST FIFTH STREET, POMONA
257	S	39-17	850	34 07 18	118 17 04	JOHN M. JEFFERS	2650 NORTH COMMONWEALTH AVENUE, GRIFFITH PARK NURSERY, LOS ANGELES
258a	S	38-97	1100	34 07 24	118 18 11	M. RAMIREZ	WEST OF TUNNEL, POINT OF RIDGE, GRIFFITH PARK, LOS ANGELES
258b	S	38-97	1400	34 07 36	118 18 01	M. RAMIREZ	SOUTH SLOPE OF MOUNT HOLLYWOOD, GRIFFITH PARK, LOS ANGELES
258c	S	38-96	1600	34 07 48	118 18 07	M. RAMIREZ	NORTH SLOPE OF MOUNT HOLLYWOOD, GRIFFITH PARK, LOS ANGELES
259C	SA	46-92	1254	34 16 39	118 36 13	L.A. CO. F. & F.W. EMPLOYEES	21880 MAYAN DRIVE, TWIN LAKES PARK, CHATSWORTH
261B-E	SA	73-20	2920	34 29 31	118 16 30	J.C. FASSOLD	ESCONDIDO CANYON, NORTH BRANCH, 5.5 MILES NORTHWEST OF ACTON
263F	S	32-37	820	34 01 34	117 46 06	D.D. STEVENS	WEST OF PARK AVENUE, 2 MILES SOUTH OF FIFTH STREET, POMONA
265C	S	17-74	625	33 57 08	117 55 26	P.J. WEISEL, JR.	1500 FULLERTON AVENUE, PUENTE HILLS
266B	SP	17-05	253	33 56 26	117 59 30	L.H. MONTES	10522 SANTA GERTRUDES AVENUE, EAST WHITTIER
269A	S	18-53	720	33 58 09	117 50 40	S.A. LOY	DIAMOND BAR RANCH NO. 1, BREA CANYON ROAD
269B	SP AP	18-62	748	33 58 41	117 49 58	U.S. CORPS OF ENGINEERS	DIAMOND BAR RANCH NO. 2, HORSE CAMP, BREA CANYON ROAD
270C	S	15-37	90	33 55 18	118 09 44	WILLIS S. MEYERS	7621 BONITA STREET, DOWNEY
271	S	8-63	195	33 51 37	118 14 01	T.J. CLEMMER	18800 WILMINGTON BOULEVARD, DOMINGUEZ HILLS, COMPTON
272D	S	38-94	470	34 09 21	118 18 02	HARRY DERING	5230 FOREST LAWN DRIVE, LOS ANGELES
273D	S	2-12	1240	33 46 30	118 22 58	JAMES MITCHELL	SAN PEDRO HILLS, NORTH OF CREST ROAD AND HIGHRIDGE
274	SP	85-68	3250	34 30 50	118 14 10	E.L. CLINGAN	35022 NORTH SHANNON VALLEY ROAD, ACTON
275	3"P	40-87	670	34 07 41	118 06 40	G.L. BROWN	1151 OXFORD ROAD, SAN MARINO
277	S	108-17	3700	34 43 15	118 35 00	HAZEL SKELTON	25202 WEST PINE CANYON ROAD, 8.7 MILES NORTHWEST OF LAKE HUGHES POST OFFICE
278B	S	26-86	203	34 02 00	118 18 46	JACK LIND	CLARK MEMORIAL LIBRARY, 2205 WEST ADAMS, LOS ANGELES
280B	SA	40-01	1345	34 10 57	118 11 47	FIRE STATION EMPLOYEES	1028 INVERNESS DRIVE, FLINTRIDGE FIRE STATION, FLINTRIDGE
283B	SA	65-67	5770	34 19 38	117 50 12	U.S.F.S. EMPLOYEES	CRYSTAL LAKE, EAST PINE FLAT AT U.S.F.S. STATION
284C	S	59-22	1490	34 22 40	118 28 35	SAM HURT	PLACERITA CANYON, EAST OF NEWHALL
285C	S	25-11	1025	34 05 10	118 28 57	MARTIN BULLINGER	12001 CHALON ROAD, SANTA MONICA MOUNTAINS, WEST LOS ANGELES
287	SP	43-36	782	34 08 22	117 51 54	O.J. HAMMER	224 NORTH MICHIGAN AVENUE, GLENDORA
289	SP	15-52	140	33 58 37	118 08 48	S.C.E. CO. EMPLOYEES	6301 SOUTH GARFIELD AVENUE, BELL
290B	S	28-75	305	34 02 27	118 07 42	FIRE STATION EMPLOYEES	2001 SOUTH GARFIELD AVENUE, MONTEREY PARK
291	SA	14-45	121	33 56 56	118 15 17	W.G. HAWKINS	96TH STREET AND CENTRAL AVENUE, LOS ANGELES
292B-E	S	36-85	1000	34 08 57	118 30 55	H. MC CAULAY	ENCINO DAM, ONE MILE SOUTHWEST OF ENCINO
293-E	SP	48-11	1150	34 17 18	118 28 54	C.W. CARNEY	VAN NORMAN LAKE, LOWER DAM, SAN FERNANDO
294	SP	41-53	985	34 10 11	118 02 51	CARL REES	MIRA MONTE AVENUE AND MT. WILSON ROAD, SIERRA MADRE
295G	S	39-34	530	34 09 07	118 15 40	R. STAPENHORST	409 WEST LEXINGTON AVENUE, GLENDALE
298B	S	105-61	3650	34 47 18	118 49 54	DEWEY RALPH	ONE MILE EAST OF GORMAN
299C	S	88-25	2805	34 32 10	117 58 29	MRS. LENA SCHWAB	8660 AVENUE T8, LITTLE ROCK
303F	SA	40-76	800	34 08 14	118 07 25	N.H. BROOKS	1201 EAST CALIFORNIA STREET, PASADENA
304	S	42-30	2725	34 11 38	117 57 52	F.D. KELLY	DEER PARK, 1.5 MILES ABOVE SAWPIT DAM
306C	S	21-56	15	34 01 50	118 50 32	TED BOEHME	TRANCAS BEACH, 30732 CABRILLO HIGHWAY, MALIBU
311b	SP AP	40-43	918	34 09 48	118 09 27	W.C. BOLAND	1083 MENTONE STREET, PASADENA
312	SP	42-85	675	34 08 51	117 54 55	F. BARNES	ONE MILE NORTHWEST OF AZUSA, 17015 SIERRA MADRE, AZUSA
318B	S	66-70	6150	34 23 53	117 43 40	EARL C. BROWN	NORTHWEST OF JACKSON LAKE, NORTHWEST OF BIG PINES RECREATION PARK
321-E	S	96-62	3275	34 40 27	118 25 49	L.A. CO. F. & F.W. EMPLOYEES	17021 PINE CANYON ROAD BETWEEN ELIZABETH AND HUGHES LAKES
322	S	110-48	2600	34 42 50	118 21 15	E.S. MUNZ	12701 WEST LANCASTER ROAD, LANCASTER
334B-E	SA	53-35	2330	34 14 37	117 57 37	E.S. WINDER	COGSWELL DAM, WEST FORK, SAN GABRIEL CANYON
336	SP	39-39	455	34 06 08	118 15 54	L.A.W.D. CARETAKER	SILVER LAKE RESERVOIR, LOS ANGELES
338A	S	52-47	5650	34 13 27	118 03 32	J.O. HICKOX	75 FEET SOUTH OF 60-INCH TELESCOPE, MOUNT WILSON
338B	SP A	52-37	5709	34 13 36	118 03 57	VIRGINIA STRICKLAND	AIRWAY STATION, 0.5 MILE WEST OF 60-INCH TELESCOPE, MOUNT WILSON
339	SP	31-49	533	34 00 13	117 51 09	L.J. RICE	0.5 MILE SOUTHEAST OF WALNUT, 20651 EAST LEMON ROAD, WALNUT
341	S	74-43	2900	34 27 51	118 09 25	GEORGE J. BLUM	ALISO CANYON, EAST OF ACTON
342B	S	45-28	1508	34 07 08	117 40 45	J. HOLLAWAY	1526 NORTH BENSON STREET, UPLAND
347-E	S	30-30	386	34 05 36	117 57 40	L.A.C.F.C.D. EMPLOYEES	SCOTT PLACE, ONE BLOCK WEST OF MAIN STREET, BALDWIN PARK
349B	S	54-46	1530	34 14 20	117 51 36	W. HANSEN	CAMP RINCON, WEST FORK, SAN GABRIEL CANYON
351D	SP	86-81	2648	34 34 50	118 06 47	J. NICHOLS	816 AVENUE Q7, PALMDALE
352B	SA	21-22	1530	34 04 38	118 52 47	L.A. CO. F. & F.W. EMPLOYEES	LECHUSA PATROL STATION, 1832 SOUTH DECKER ROAD, MALIBU
355	S	27-01	335	34 05 19	118 17 34	C. THOMPSON	855 NORTH VERMONT AVENUE, LOS ANGELES
356C	SA	31-95	690	34 02 31	117 48 35	R.S. HUTCHISON	STATE HOSPITAL, SOUTH OF POMONA BOULEVARD, SPADRE
357	SP AP	59-08	1248	34 18 49	118 29 30	POWER HOUSE OPERATORS	POWER HOUSE NO. 3, VAN NORMAN LAKE, UPPER DAM
362B	SP	40-13	1120	34 09 48	118 10 53	C. KUN	1500 EAST EL MIRADOR DRIVE, PASADENA
363B	ST	59-44	3160	34 21 18	118 27 02	L.A.C.F.C.D. EMPLOYEES	WILSON CANYON, SOUTH OF SANTA CLARA TRUCK TRAIL
364	S	50-23	2450	34 15 50	118 16 13	J.P. KINDRED	50 FEET EAST OF U.S.G.S. GAGING STATION, HAINES CANYON
365C	SP	50-63	5025	34 16 05	118 14 11	U.S.F.S. EMPLOYEES	SOUTH SLOPE OF MT. LUKENS, SAN GABRIEL MOUNTAINS
367	SP A	50-42	3450	34 16 18	118 15 07	J.P. KINDRED	HEAD OF HAINES CANYON, ABOVE DIVERSION DAM
372	SP A	82-76	1580	34 32 02	118 31 27	CHIEF L.B. WIGGINS	SAN FRANCISQUITO CANYON, POWER HOUSE NO. 2, NORTHEAST OF SAUGUS
373B	SA	50-76	2225	34 14 20	118 13 28	R.T. SIENS	2202 SHIELDS AVENUE, LA CRESCENTA
375B	S	39-16	600	34 08 02	118 17 18	L.M. WENDT	GRIFFITH PARK ZOO, LOS ANGELES

RAIN GAGE STATION LOCATION

SEASON 1957-58

STA. NO.	TYPE GAGE	QUAD INDEX	ELEV. OF GAGE	NORTH LAT. °	'	"	WEST LONG. °	'	"	OBSERVER	LOCATION
377F	SP	33-04	1040	34	09	00	118	53	59	R. ROPER	LAKE SHERWOOD, AT FIRE STATION, VENTRUA COUNTY
379B	SA	54-96	1600	34	14	10	117	48	18	E.K. DE VORE	SAN GABRIEL CANYON - EAST FORK, 2.7 MILES ABOVE FORKS
380	SA	28-11	525	34	04	49	118	10	51	GEORGE D. MORGAN	4566 BEDILLION STREET, EL SERENO
381C	S	25-08	80	34	00	48	118	29	32	BOB REHMAN	1540 THIRD STREET, SANTA MONICA
384B	S	40-26	850	34	13	58	118	10	27	FINLEY B. LAVERTY	502 LAKE VIEW ROAD, PASADENA
386C	S	21-71	1500	34	04	58	118	49	38	BARBARA OAKLEY	1.2 MILES SOUTHWEST OF BACKUS ROAD AND MULHOLLAND HIGHWAY
387B	SP	31-01	508	34	05	02	117	53	57	ENID CROSS	227 SOUTH HOLLENBECK AVENUE COVINA
388C	B.81	9-30	70	33	53	30	118	09	36	L.A. CO.-F. & F.W. EMPLOYEES	15538 SOUTH COLORADO AVENUE, PARAMOUNT
389	SP	43-35	895	34	08	58	117	52	01	FRANK H. BROWN	229 WEST SIERRA MADRE AVENUE, GLENDORA
390B-E	SP	43-21	1210	34	10	53	117	52	43	FRED CHAPMAN	MORRIS DAM, SAN GABRIEL CANYON
391B	B.81	28-98	215	34	00	40	118	06	15	CHIEF L R BEECH	140 NORTH SIXTH STREET, MONTEBELLO
394	S	40-28	620	34	07	06	118	10	39	MRS. ELIZABETH S. STEVENS	6425 ELGIN STREET, HIGHLAND PARK
395B	S	59-57	1425	34	19	31	118	26	56	W. DUNN	OLIVE VIEW SANITARIUM, SAN FERNANDO
402C	SA	65-24	6665	34	21	18	117	52	32	D.W. CHESLEY	CEDAR SPRINGS STATE PRISON CAMP, 3 MILES WEST OF MT. ISLIP
405	S	73-06	2250	34	26	15	118	17	38	FRED ECKLES	11 7 MILES EAST OF SOLEMINT ON SOLEDAD CANYON ROAD
406C	S	42-88	505	34	06	53	117	54	56	OLIVER ENGLER	17018 EAST GLADSTONE STREET, WEST AZUSA
407-E	S AP	58-82	1325	34	22	13	118	30	46	U.S.F.S. PERSONNEL	U.S.F.S. DISTRICT HEADQUARTERS 23610 SAN FERNANDO ROAD, NEWHALL
409	S	93-12	2425	34	40	34	118	46	53	W. PRICE	18 MILES NORTH OF CASTAIC JUNCTION ON EAST SIDE OF RIDGE ROUTE
410D	S	81-13	2630	34	33	54	118	40	54	C. HUNTER	35817 HIGHWAY 99 CASTAIC
411C	S	16 11	170	33	59	20	118	04	58	C.W. ROBINSON	6004 SOUTH PASSONS BOULEVARD, RIVERA
415	SA	4-30	140	33	47	49	118	10	03	GEORGE I OSBORNE	ROOF OF CITY HALL, SIGNAL HILL
419B	ST	61-92	5450	34	22	26	118	12	20	L.A.C.F.C.D. EMPLOYEES	PACOIMA CANYON ON SANTA CLARA RIDGE, 2.5 MILES WEST OF MT GLEASON
420A	S	74-07	3100	34	25	20	118	11	52	C.C. BREVIDORO	3.3 MILES SOUTH OF ACTON ON MT GLEASON TRUCK TRAIL
422D	S	60-25	2075	34	20	53	118	22	25	HOWARD PRENTICE	1.6 MILES NORTHEAST OF PACOIMA DAM
423A	S	75-08	3920	34	24	56	118	05	28	E.W. SCRIBNER	1.0 MILE BELOW ANGELES FOREST HIGHWAY
425B-E	SA	54-39	1481	34	12	19	117	51	40	E.K. DE VORE	SAN GABRIEL DAM, NEAR SPILLWAY
427B	S	15-63	131	33	57	38	118	08	07	L.W. JORDAN	7518 LUBEC STREET, DOWNEY
430	S	70 57	1170	34	25	19	118	32	25	J.B. GRIFFIN	26222 BOUQUET CANYON ROAD, SAUGUS
432	S	52-89	2035	34	12	27	118	01	03	L.A.C.F.C.D EMPLOYEES	SANTA ANITA CANYON, FERN LODGE
433C	SA	51 69	1580	34	12	15	118	08	23	L.A.C.F.C.D PERSONNEL	FAIR OAKS DEBRIS BASIN, ALTADENA
434	SA	34-46	800	34	08	08	118	45	08	L.A CO. F & F.W. EMPLOYEES	MALIBU DIVISION HEADQUARTERS, 0.8 MILE SOUTHWEST OF AGOURA
435	SA	23 02	600	34	04	41	118	41	35	L.A. CO. F. & F.W. EMPLOYEES	MONTE NIDO PATROL STATION COLD CANYON ABOVE MALIBU CREEK
436B	AP	49-03	975	34	15	43	118	23	50	U.S. C. OF E. EMPLOYEES	12174 OSBORNE PLACE, SAN FERNANDO, AT HANSEN DAM
437	S	4-30	40	33	47	31	118	10	13	J.C. VIDMAR	HAMILTON BOWL, 1911 WALNUT AVENUE, LONG BEACH
440B	S	63-97	5250	34	19	37	118	00	17	U.S F.S EMPLOYEES	NEAR ANGELES CREST HIGHWAY AT U.S.F.S. STATION, CHILAO
441B E	S	86-82	2662	34	34	31	118	06	53	WAYNE STICE	COUNTY ROAD DEPARTMENT MAINTENANCE YARD, 38126 SIERRA HIGHWAY, PALMDALE
442	SP	78-53	3810	34	28	09	117	44	45	E.A. EBERLE	31721 NORTH 214TH STREET EAST, LLANO
443B	SA	21 80	1700	34	05	35	118	48	52	A. O. BEACH	SANTA MONICA MOUNTAINS, SOUTH SOUTHWEST OF MULHOLLAND HIGHWAY AND BACKUS ROAD.
444C	SA	2-52	490	33	46	34	118	20	36	C WOOD	PALOS VERDES HILLS AT PALOS VERDES DRIVE AND PORTUGUESE ROAD
445B	SA	44-56	1510	34	08	02	117	44	38	L.A.C.F.C.D. EMPLOYEES	LIVE OAK DAM, NORTH OF LA VERNE
446	SA	58-48	2367	34	18	53	118	33	25	JOHN SPRECHER	5.5 MILES NORTH OF DEVONSHIRE STREET IN ALISO CANYON, SANTA SUSANA MTS.
447B	S	23-65	145	34	02	47	118	38	18	L.A. CO. F. & F W. EMPLOYEES	0.7 MILES FROM PACIFIC COAST IN LAS FLORES CANYON
449B	S	41-03	880	34	10	06	118	05	33	H.E. WILSON	EATON DAM, ALTADENA
451B	SA	69-83	1066	34	27	52	118	36	57	L.A. CO. F. & F.W. EMPLOYEES	30055 HIGHWAY 99, CASTAIC
453B	S AP	40-21	1090	34	11	08	118	10	19	K.M. YORK	DEVILS GATE DAM AT CARETAKER'S HOUSE, PASADENA
455	S	99-61	2395	34	40	57	118	08	03	L.R. POTTER	STATE HIGHWAY MAINTENANCE YARD, 1.1 MILES SOUTH OF LANCASTER
456	S	102-54	2680	34	39	02	117	50	55	C.E. MORSE	PIUTE BUTTE, 15701 AVENUE M, EAST LANCASTER
458	S	22-08	115	34	01	10	118	47	46	L.A. CO. F. & F W EMPLOYEES	28722 CABRILLO HIGHWAY, MALIBU
460B	S	76-64	3996	34	27	35	117	55	58	NOAL NEAL	PLEASANT VIEW MESA, EAST OF AVENUE 106 AT 30900 HARMONY LANE
461	S	26-29	392	34	00	08	118	22	32	G.D. ASHDOWN	ONE MILE NORTH OF SLAUSON AVENUE, BALDWIN HILLS
462B	S	25-95	185	34	02	54	118	24	06	C. PRIDAY	HILLCREST COUNTRY CLUB, 10,000 PICO BOULEVARD, LOS ANGELES
463B	S	25-78	92	34	00	49	118	25	32	JIM ALLISON	11637 CHARNOCK ROAD, SOUTHERN CALIFORNIA WATER COMPANY, MAR VISTA
465C	AP	37-33	683	34	10	02	118	28	06	U.S. C OF E. EMPLOYEES	SEPULVEDA DAM, VAN NUYS
466B	SA	60-54	3225	34	21	07	118	20	38	HOWARD PRENTICE	PACOIMA CANYON, DUTCH LOUIS CANYON SAN GABRIEL MOUNTAINS
468	B.81	50-77	1600	34	13	15	118	13	45	L.A.C.F.C.D. EMPLOYEES	PICKENS DEBRIS BASIN, NORTH OF FOOTHILL BLVD., EAST OF BRIGGS TERRACE AVENUE
470	SA	63-01	4600	34	23	19	118	05	26	L.A.C.F.C.D. EMPLOYEES	NEAR TIE CANYON DIVIDE, MILL CREEK TUJUNGA, SAN GABRIEL MOUNTAINS
471	AP	60-98	2750	34	16	57	118	18	02	U.S. C. OF E EMPLOYEES	GOLD CREEK TRUCK TRAIL 1.2 MILES ABOVE WATTS RANCH, LITTLE TUJUNGA
473	S	72-64	2050	34	27	24	118	19	59	H.A BLACKWELL	AQUA DULCE CANYON EAST OF SAUGUS
474B	S	14 84	114	33	57	16	118	12	18	V.J. ALLMENDINGER	8917 STATE STREET, SOUTH GATE
475	S	70-58	1150	34	24	56	118	32	51	RALPH DOOP	NEWHALL LAND AND FARMING COMPANY OFFICE, SAUGUS
476D	S	34-06	825	34	07	50	118	47	52	A.M. MONTGOMERY	0.55 MILE ABOVE LOBO CANYON IN TRIUNFO CANYON, CORNELL
477B	SA	53-28	4715	34	13	06	117	58	39	E.C. WINDER	SPRING CAMP AT HEAD OF EAST FORK - SANTA ANITA CANYON
478	SP	77-45	3715	34	26	44	117	51	02	G.B. COLEMAN	U.S.F.S. HEADQUARTERS, PEARBLOSSOM HIGHWAY, VALYERMO
480B	S	41 49	404	34	06	31	118	03	25	L.A. CO. F. & F.W. EMPLOYEES	5946 KAUFFMAN AVENUE, TEMPLE CITY
482	S	27-17	208	34	01	14	118	17	15	S. BUTLER	920 WEST 36TH PLACE, CIVIL ENGINEERING BUILDING, U.S.C., LOS ANGELES
486B	SA	55-83	3865	34	15	49	117	42	38	J.W. WIDMAN	COLDWATER CANYON, 3.5 MILES ABOVE JUNCTION WITH CATTLE CANYON
488B	S	49-20	1450	34	17	45	118	22	30	L.A. CO. F. & F.W. EMPLOYEES	KAGEL CANYON ROAD AT DEXTER PARK, SAN FERNANDO
489	S	23-40	1318	34	05	37	118	39	22	MISS B.E. STUNT	COLD CREEK CANYON, 3.2 MILES ABOVE MONTE NIDO PATROL STATION
490	S	101-42	2472	34	40	46	117	57	06	A.W. LOCHMAN	9861 EAST AVENUE K, LANCASTER
491B	S	24-75	320	34	02	38	118	31	36	MRS. C.D. CLEARWATER	855 VIA DE LA PAZ, PACIFIC PALISADES, SANTA MONICA
492	SA	63-98	5275	34	19	05	118	00	30	FRANK BUCK	STATE HIGHWAY MAINTENANCE STATION NEAR CHILAO, SAN GABRIEL MOUNTAINS
493B	SA	59-81	1780	34	23	13	118	25	03	DAVID BARRUS	2.7 MILES SOUTH OF SOLEDAD CANYON ROAD, WEST OF SAND CANYON ROAD
497	B.81	44-67	1350	34	07	35	117	43	55	F.E. SLAUGHTER	4652 GLEN WAY, CLAREMONT
498	S	51-04	2800	34	15	30	118	11	45	L.A.C.F.C.D. EMPLOYEES	ANGELES CREST HIGHWAY AT DARK CANYON TRAIL
508C	S	51 39	1220	34	12	33	118	10	12	U.S.F.S. EMPLOYEES	ARROYO SECO CANYON AT EL PRIETO CANYON, U.S.F.S. RANGER STATION
517B	SA	77-18	4700	34	25	00	117	53	10	PHIL LEWIS	PLEASANT VIEW RIDGE, PALLETT CREEK SOUTH OF VALYERMO
519B	S	97-24	3325	34	39	35	118	22	38	E.F. STRANDBERG	14370 WEST ELIZABETH LAKE, PINE CANYON ROAD, PALMDALE
542-E	SP	109-79	3050	34	42	15	118	25	40	A.E. MAJORS	LOS ANGELES AQUEDUCT RESERVOIR, 45650 N 170TH STREET WEST, FAIRMONT
551	SP	V. CO	10	34	08	38	119	12	38	U.S. LIGHTHOUSE EMPLOYEE	PORT HUENEME LIGHTHOUSE, VENTURA COUNTY
564B	S	77-52	3382	34	29	12	117	50	07	JOHN R. SWEET	0.9 MILE SOUTH OF AVENUE W AND WEST OF 168TH STREET EAST
565B	AP	3-91	11	33	47	16	118	12	08	LONG BEACH CITY EMPLOYEES	1607 SAN FRANCISCO STREET, LONG BEACH
566	SP AP	4-52	15	33	46	46	118	08	36	LONG BEACH CITY EMPLOYEES	1020 BELMONT STREET, LONG BEACH
571C	SP	4-63	25	33	45	44	118	08	23	LONG BEACH CITY EMPLOYEES	4423 EAST SECOND STREET, LONG BEACH
575C	SP	4-02	63	33	46	28	118	11	28	MR. TEED	6TH AND PINE STREETS, LONG BEACH
577F	SP AP	27-54	548	34	03	19	118	14	26	U.S.W.B. EMPLOYEES	FEDERAL BUILDING, 312 NORTH SPRING STREET, LOS ANGELES
587B	SP	45-22	2390	34	10	24	117	40	31	S.C.E. CO. EMPLOYEES	S.C. EDISON COMPANY POWER HOUSE NO 1 MOUTH OF SAN ANTONIO CANYON
588C	ST	51 97	4450	34	13	35	118	06	34	L.A.C.F.C.D. EMPLOYEES	MT LOWE TAVERN RUINS, SAN GABRIEL MOUNTAINS
593B	SP	68-69	675	34	24	08	118	44	10	MATHEW KUTYLO	NEWHALL RANCH, NEAR SANTA CLARA RIVER, VENTURA COUNTY
598	SP	107-91	3000	34	47	00	118	36	30	L.A.W.D. EMPLOYEES	WEST END OF LANCASTER ON BAILY ROAD, NEENACH
610A	SP	40-73	985	34	10	03	118	07	17	MORRIS JONES	1250 NORTH HOLISTON STREET, PASADENA
610B	SP	40-55	864	34	08	54	118	08	36	PASADENA WATER DEPARTMENT	CITY HALL, PASADENA
611C	B.81	40-81	1186	34	10	48	118	07	01	L.A C.F.C.D. EMPLOYEES	ALTADENA GOLF COURSE DEBRIS BASIN, ALTADENA
612	SP	51 39	1181	34	12	27	118	10	00	W.C. BOLAND	CHLORINE PLANT, MOUTH ARROYO SECO CANYON, PASADENA
613B	SP	40-46	780	34	07	48	118	09	12	FIRE STATION PERSONNEL	900 SOUTH PASADENA AVENUE PASADENA
617B	SP	32-23	858	34	03	58	117	46	21	J.E ADAMSON	931 NORTH WEBER STREET POMONA
618B	3rP	V. CO	1010	34	17	12	118	43	06	F.A. SNYDER	TAPO CITRUS ASSOCIATION VENTRUA COUNTY
619	SP AP	56-38	3200	34	12	50	117	40	10	S.C.E. CO. EMPLOYEES	SIERRA POWER HOUSE, SAN ANTONIO CANYON, 2 MILES BELOW CAMP BALDY
627	SP	42-94	750	34	09	20	117	54	28	D.C. RUDDELL	MOUTH OF SAN GABRIEL CANYON AT POWER HOUSE
629C	SP	3-27	85	33	43	15	118	16	17	MARINE EXCHANGE	WAREHOUSE NO. 1, LOS ANGELES OUTER HARBOR, SAN PEDRO
634B	SP	25-08	138	34	00	43	118	29	27	T.M DONAHUE	CITY HALL, SANTA MONICA
644	3rP	V. CO.	300	34	15	40	118	59	48	E.A. SNYDER, JR.	SNYDER RANCH - SOMIS
647G	SP	50-03	1690	34	15	43	118	17	33	F.T. STEVENS	10600 MOUNTAIR AVENUE, TUJUNGA
650B	SP AP	45-26	1830	34	08	23	117	40	35	ROBERT BEARD	1455 WEST 21ST STREET, UPLAND, SAN BERNARDINO COUNTY
660	SP	V. CO.	49	34	11	26	119	10	27	AMERICAN CRYSTAL SUGAR CO.	OXNARD, VENTURA COUNTY
662	SP	9-27	71	33	49	28	118	10	14	LONG BEACH CITY EMPLOYEES	3929 GUNDRY AVENUE, LONG BEACH

RAIN GAGE STATION LOCATION

SEASON 1957-58

STA. NO.	TYPE GAGE	QUAD INDEX	ELEV. OF GAGE	NORTH LAT. ° ' "	WEST LONG. ° ' "	OBSERVER	LOCATION
666B	SP AP	9-13	50	33 51 48	118 11 06	LONG BEACH CITY EMPLOYEES	5955 LINDEN STREET, LONG BEACH
672	SP	40-14	950	34 09 02	118 10 57	S.C.E. CO. EMPLOYEES	7888 NORTH FIGUEROA STREET, EAGLE ROCK
673B	S	4-85	119	33 44 42	118 06 43	PLANT OPERATORS	SAN GABRIEL RIVER AT OCEAN BOULEVARD, SEAL BEACH, ORANGE COUNTY
676	4½"P	13-93	173	33 57 58	118 18 24	H.F. PARKINSON	1727 WEST 80TH STREET, LOS ANGELES
677C	SP	40-22	985	34 10 19	118 10 41	C.V. HOFFNER	1333 LIDA STREET, PASADENA
678	SP	40-32	1052	34 10 39	118 09 56	W.C. BOLAND	SHELDON RESERVOIR, NEAR MONTANA STREET AND ARROYO BOULEVARD, PASADENA
679	SP	30-27	314	34 01 14	117 58 40	DILLON WOOD	749 NINTH AVENUE, CITY OF INDUSTRY
680B	SP	25-53	430	34 04 10	118 26 30	F.A. ARSENAULT	U.C.L.A. CAMPUS, ROOF OF MATH. SCIENCE BUILDING, WESTWOOD
681A'	S	41-62	935	34 10 15	118 01 54	U.S.F.S. EMPLOYEES	2219 NORTH SANTA ANITA AVENUE, SIERRA MADRE
683	SP AP	51-58	2110	34 12 53	118 08 48	U.S.F.S. EMPLOYEES	SUNSET GUARD STATION BETWEEN MILLARD AND WEST RAVINE CANYONS
689B	6"P	40-68	608	34 07 00	118 07 59	CARL V. COOPER	2814 CARLARIS ROAD, SAN MARINO
691B'	8.81	45-14	2090	34 09 20	117 40 55	G.A. RITTER	SAN ANTONIO SPREADING GROUNDS, MOUTH OF SAN ANTONIO CANYON
695B	S	50-71	1850	34 17 12	118 13 32	J.O. LANNON	2131 WEST BIG TUJUNGA ROAD, TUJUNGA
696	SP	41-21	1400	34 10 54	118 04 42	ROBERT CASAMAJOR	2036 PASADENA GLEN ROAD, PASADENA GLEN
703	SP	39-54	603	34 09 00	118 14 27	P.T. MC INTYRE	315 NORTH ADAMS, GLENDALE
705	SP	60-87	2330	34 19 48	118 19 03	J.M. SHIFFER	CECIL B. DE MILLE RANCH, ALDER CREEK, LITTLE TUJUNGA CANYON
715B	S AP	27-64	282	34 03 33	118 14 07	L.A. CITY EMPLOYEES	TERMINAL ANNEX, MACY AND ALAMEDA STREETS, LOS ANGELES
716	SP	27-64	300	34 03 09	118 14 13	F.W. PETERS	410 DUCOMMUN STREET, LOS ANGELES
718	SP	33-52	810	34 10 43	118 50 59	FIRE STATION EMPLOYEES	67 ERBS ROAD, VENTURA COUNTY
719	S	42-54	755	34 09 01	117 56 47	D.L. NORTON	MADDOCKS RANCH, NORTH END OF LOS LOMAS AVENUE, DUARTE
720	SP	46-43	1075	34 15 44	118 39 32	W.T. FORSON	6662 SMITH ROAD, VENTURA COUNTY
722C	S	98-67	2900	34 37 23	118 13 57	A.E. STRATMAN	40780 60TH STREET WEST, LANCASTER
724	SP AP	43-92	1775	34 10 34	117 48 26	U.S.F.S. EMPLOYEES	NEAR MOUTH OF MONROE CANYON, ABOVE BIG DALTON DAM
725	AP	36-91	724	34 11 22	118 30 25	U.S. C. OF E. EMPLOYEES	BIRMINGHAM HOSPITAL, NEAR VAN OWEN STREET AND BALBOA BLVD. VAN NUYS
726	S AP	51-16	2300	34 14 00	118 10 30	U.S.F.S. EMPLOYEES	ANGELES CREST GUARD STATION AT FALLS CANYON, ARROYO SECO
727	SP	52-76	4160	34 13 50	118 01 35	E.C. WINDER	NEWCOMB PASS, 2 MILES NORTHEAST OF MT. WILSON
728	SP	60-93	3000	34 21 40	118 18 28	U.S.F.S. EMPLOYEES	PACOIMA CANYON BETWEEN NOEL AND GOOSEBERRY CANYON
730	SP	51-67	2800	34 13 30	118 07 50	U.S.F.S. EMPLOYEES	NEAR DAWN MINE, MILLARD CANYON, ARROYO SECO
731	SP	40-20	1080	34 11 47	118 10 29	U.S.F.S. EMPLOYEES	OAK GROVE PARK, ABOVE DEVILS GATE DAM, PASADENA
732B	ST	53-77	4160	34 13 30	117 55 15	L.A.C.F.C.D. EMPLOYEES	BETWEEN ROBERTS CANYON AND SAN GABRIEL - WEST FORK, NEAR PINE MOUNTAIN
734B	SP AP	13-15	126	33 56 32	118 23 12	U.S.W.B. EMPLOYEES	5900 AVION DRIVE, LOS ANGELES
735B	S	35-40	925	34 11 37	118 39 27	LESTER RUSHWORTH	6761 VALLEY CIRCLE BOULEVARD, CANOGA PARK
737	SP	V. CO.	4000	34 35 42	119 19 12	FRANK FELT	WHEELER SPRINGS, VENTURA COUNTY
739	SP	V. CO.	335	34 19 54	119 07 48	PACKING HOUSE SUPERINTENDENT	SANTA PAULA, LIMONEIRA RANCH, VENTURA COUNTY
740B	AP	45-00	5200	34 11 48	117 41 45	L.F. REIMAN	SAN DIMAS CANYON, FERN CANYON
741	AP	44-50	2765	34 11 41	117 44 26	L.F. REIMAN	SAN DIMAS CANYON, UPPER EAST FORK
742B	SP	29-00	400	34 05 42	118 05 56	FIRE DEPARTMENT EMPLOYEES	DEL MAR NEAR MISSION STREET, SAN GABRIEL
746	SP	K. CO.	2620	35 03 00	118 10 00	GEORGE L. TURCOTT	7 MILES SOUTH OF MOJAVE, BACKUS RANCH, KERN COUNTY
747	SP AP	106-75	4517	34 44 47	118 43 29	U.S.W.B. EMPLOYEES	SANDBERG AIRWAYS - TOP OF BALL MOUNTAIN
749	SP AP	38-50	699	34 11 47	118 21 11	U.S.W.B. EMPLOYEES	ROOF ADMINISTRATION BUILDING, LOCKHEED AIRPORT, BURBANK
750	SP	100-18	2536	34 36 59	118 05 02	C.A.A. EMPLOYEES	C.A.A. AIRWAY COMMUNICATION STATION, PALMDALE
751B	SP	7-76	85	33 49 52	118 19 41	FIRE DEPARTMENT EMPLOYEES	1701 CRENSHAW BOULEVARD, TORRANCE
755	AP	39-17	900	34 07 32	118 16 58	L.A. CITY EMPLOYEES	GRIFFITH PARK, LITTLE CANYON
756	AP	39-06	1200	34 07 48	118 17 34	L.A. CITY EMPLOYEES	GRIFFITH PARK, UPPER SPRING CANYON
757	AP	38-98	750	34 07 12	118 18 20	L.A. CITY EMPLOYEES	GRIFFITH PARK, FERN DELL
758	AP	39-16	600	34 08 02	118 17 27	L.A. CITY EMPLOYEES	GRIFFITH PARK, LOWER SPRING CANYON
759	AP	38-49	440	34 06 10	118 21 23	L.A. CITY EMPLOYEES	1736 COURTNEY AVENUE, HOLLYWOOD
760	AP	37-95	680	34 08 29	118 24 26	L.A. CITY EMPLOYEES	3913 GOODLAND AVENUE, STUDIO CITY
761	SP	37 46	1190	34 08 02	118 27 32	L.A. CITY EMPLOYEES	STONE CANYON, NORTH
762	AP	37-47	943	34 07 27	118 27 15	L.A. CITY EMPLOYEES	UPPER STONE CANYON
763B	SP	37-29	1300	34 06 25	118 28 26	L.A. CITY EMPLOYEES	SUPELVEDA CANYON - EAST FIRE ROAD NO. 19
764	SP	37-59	975	34 06 22	118 26 50	L.A. CITY EMPLOYEES	STONE CANYON - 2302 RIAL LANE
765B	SP	37-26	1325	34 07 52	118 28 42	L.A. CITY EMPLOYEES	15801 MULHOLLAND DRIVE
766	AP	36-97	1625	34 07 38	118 30 03	L.A. CITY EMPLOYEES	MANDEVILLE CANYON - FIRE ROAD NO. 24
767	SP	36-98	1225	34 07 12	118 30 12	L.A. CITY EMPLOYEES	3351 MANDEVILLE CANYON ROAD
768	SP	36-87	1465	34 07 19	118 30 52	L.A. CITY EMPLOYEES	SULLIVAN CANYON - FIRE ROAD NO. 26
769	AP	36-49	1980	34 06 32	118 33 31	L.A. CITY EMPLOYEES	SANTA YNEZ CANYON, TEMESCAL FIRE ROAD NO. 30
770	AP	24-44	700	34 03 34	118 33 25	L.A. CITY EMPLOYEES	SANTA YNEZ CANYON - PASEO MIRAMAR
771	AP	24-94	265	34 03 06	118 30 32	L.A. CITY EMPLOYEES	RUSTIC CANYON, SANTA MONICA MOUNTAINS
772	AP	27-41	475	34 05 02	118 15 11	L.A. CITY EMPLOYEES	ECHO PARK AND LUCRETIA, LOS ANGELES
774	AP	27-52	450	34 04 31	118 14 46	L.A. CITY EMPLOYEES	BARLOW SANITARIUM, LOS ANGELES
776	SP	38-37	1025	34 07 18	118 21 46	L.A. CITY EMPLOYEES	7666 WOODROW WILSON DRIVE, NICHOLS CANYON, SANTA MONICA
777	SP	25-13	418	34 03 45	118 28 51	L.A. CITY EMPLOYEES	259 NORTH KENTER AVENUE, KENTER CANYON, SANTA MONICA MOUNTAINS
778B	SP	25-21	570	34 04 50	118 28 12	L.A. CITY EMPLOYEES	11817 BELLAGIO ROAD, SEPULVEDA CANYON, SANTA MONICA MOUNTAINS
779	AP	39-05	625	34 08 48	118 17 48	L.A. CITY EMPLOYEES	GRIFFITH PARK, LOWER MINERAL WELLS
780	AP	38-95	950	34 08 34	118 18 08	L.A. CITY EMPLOYEES	GRIFFITH PARK, UPPER MINERAL WELLS
783	SP AP	51-28	1268	34 12 45	118 10 14	U.S.F.S. EMPLOYEES	MOUTH OF COON CANYON IN ARROYO SECO
784	SP	51-38	1515	34 12 56	118 10 10	U.S.F.S. EMPLOYEES	0.25 MILE ABOVE MOUTH OF COON CANYON IN ARROYO SECO
785	SP	51-38	1707	34 13 03	118 10 05	U.S.F.S. EMPLOYEES	0.4 MILE ABOVE MOUTH OF COON CANYON IN ARROYO SECO
786	SP	51-37	2207	34 13 18	118 09 50	U.S.F.S. EMPLOYEES	0.75 MILE ABOVE MOUTH OF COON CANYON IN ARROYO SECO
787	SP	51-38	2022	34 13 09	118 09 51	U.S.F.S. EMPLOYEES	0.9 MILE ABOVE MOUTH OF COON CANYON ON EAST SLOPE, ARROYO SECO
788	SP	51-38	1825	34 13 00	118 09 58	U.S.F.S. EMPLOYEES	0.4 MILE ABOVE MOUTH OF COON CANYON IN ARROYO SECO
789	SP	51-47	2035	34 13 17	118 09 19	U.S.F.S. EMPLOYEES	2.6 MILES NORTHWEST OF CHENY TRAIL AND LOMA ALTA DRIVE, ALTADENA
790	SP	V. CO.	470	34 23 54	118 55 06	CITRUS ASSOC. EMPLOYEES	FILMORE CITRUS ASSOCIATION, VENTURA COUNTY
791	SP	V. CO.	150	34 16 09	119 08 08	LEMON ASSOC. EMPLOYEES	LEMON ASSOC. SATICOY, VENTURA COUNTY
792	SP	V. CO.	290	34 21 12	119 03 48	CO. AGRICULTURE EMPLOYEES	COUNTY AGRICULTURE OFFICE, SANTA PAULA, VENTURA COUNTY
793	SP	51-96	5300	34 14 20	118 06 00	U.S.F.S. EMPLOYEES	MARKHAM SADDLE, 0.6 MILE WEST OF MT. WILSON
794	SP	25-80	585	34 05 43	118 24 40	L.A.W.D. EMPLOYEES	LOWER FRANKLIN RESERVOIR, SANTA MONICA MOUNTAINS
795	SP	41-15	705	34 08 52	118 05 14	P.W.D. EMPLOYEES	NEAR COLORADO STREET AND KINNELOA AVENUE, PASADENA
796	AP	27-61	757	34 04 55	118 14 22	L.A. CITY EMPLOYEES	REPOSA STREET AND AVALON PARK ROW, ELYSIAN PARK
797	SP	47-12	1127	34 16 17	118 35 12	L.A.W.D. EMPLOYEES	NORTH END OF DE SOTO STREET, NORTHEAST OF CHATSWORTH
799	SP	26-39	460	34 00 25	118 21 47	L.A.W.D. EMPLOYEES	1/4 MILE WEST OF LA BREA AVENUE AND ONE MILE SOUTH OF RODEO ROAD
801	AP	61-10	4450	34 23 45	118 17 12	U.S. C. OF E. EMPLOYEES	NORTH OF SANTA CLARA DIVIDE ON MAGIC MOUNTAIN, SAN GABRIEL MOUNTAINS
802B	SP	40-15	963	34 08 47	118 11 22	L.A.W.D. EMPLOYEES	HILLMONT AND CEDAR EDGE AVENUE, EAGLE ROCK
804	SP	38-95	987	34 08 40	118 18 10	L.A. CITY EMPLOYEES	NORTH CANYON - GRIFFITH PARK, NORTH END OF PARK
806	AP	27-40	540	34 05 58	118 15 25	W.C. OLSON	2376 TEVIOT STREET, SILVER LAKE HEIGHTS, LOS ANGELES
807	SP	28-12	620	34 04 44	118 11 16	L.A.W.D. EMPLOYEES	ASCOT RESERVOIR, LYNNFIELD STREET AND BOWMAN BLVD. LOS ANGELES
1000	S	87-38	3263	34 30 48	118 03 37	L.A. BONES	HUNT CANYON, 1.0 MILE SOUTH OF FORT TEJON ROAD, SOUTHWEST OF LITTLE ROCK
1002	S	50-03	1605	34 16 03	118 17 50	F.P. EADE	7618 LE BERTHON STREET, TUJUNGA
1005	S	84-48	2350	34 30 47	118 21 31	R.E. TAGGART	MINT CANYON AND SPADE SPRING CANYON NEAR THE OAKS, N.E. OF SAUGUS
1006	SA	3-05	150	33 44 37	118 17 47	K.C. STEELE	FIRST AND MEYLER STREETS, SAN PEDRO
1007B	S	64-25	5900	34 20 40	117 58 41	DONALD GITT	CAMP VALCREST, ANGELES CREST HIGHWAY, NORTHEAST OF CHILAO
1006-E	SA	7-63	65	33 52 07	118 19 55	N.P. DAVIS	17680 YUKON AVENUE, S.C.E. CO. SUBSTATION, GARDENA
1009	S	71-66	1625	34 26 04	118 26 06	JAMES W. DYER	MINT CANYON, 17262 SIERRA HIGHWAY, EAST OF SAUGUS
1010B	SA	44-93	2120	34 09 36	117 42 07	L.A.C.F.C.D. EMPLOYEES	PALMER CANYON 1.5 MILES NORTH NORTHEAST OF THOMPSON CREEK DAM
1011B	S	2-44	1275	33 45 25	118 21 11	FIRE STATION EMPLOYEES	12 WEST CREST ROAD, PALOS VERDES HILLS
1012	S	59-96	1001	34 26 23	118 36 20	M. KUTYLO	CASTAIC JUNCTION, HIGHWAY 99 AND VENTURA HIGHWAY
1013B	SA	61-39	1650	34 18 00	118 16 06	L.A.C.F.C.D. EMPLOYEES	TUJUNGA CANYON ABOVE GOLD CANYON, SAN GABRIEL MOUNTAINS
1014D-E	SA	15-90	155	33 59 25	118 06 33	W ROPER	8020 WASHINGTON BOULEVARD, EAST OF RIO HONDO
1016	S	34-63	1000	34 09 40	118 44 08	S.W. SWANSON	6279 CHEESBORO CANYON ROAD, AGOURA
1017	SA	75-83	3330	34 27 51	118 01 09	L.A.C.F.C.D. EMPLOYEES	LITTLE ROCK CREEK ABOVE SANTIAGO CREEK
1018B	S	57-86	3340	34 20 18	118 36 44	C. DWYER	SANTA SUSANA MTS. AT HEAD OF DEVIL CANYON
1019	ST	57-34	2850	34 21 24	118 39 42	L.A.C.F.C.D. EMPLOYEES	SANTA SUSANA MTS. AT HEAD OF SALT CANYON
1020	S	45-05	1810	34 08 54	117 41 52	FIRE STATION EMPLOYEES	PADUA HILLS PATROL STATION, 4349 PADUA AVENUE, CLAREMONT
1021	ST	61-14	4500	34 21 03	118 16 53	L.A.C.F.C.D. EMPLOYEES	YERBA BUENA TRAIL BETWEEN S. FORK, PACOIMA CANYON AND SLAUGHTER CANYON

RAIN GAGE STATION LOCATION

SEASON 1957-58

STA. NO.	TYPE GAGE	QUAD INDEX	ELEV. OF GAGE	NORTH LAT. ° ' "	WEST LONG ° ' "	OBSERVER	LOCATION
1022	S	69-12	1725	34 28 44	118 41 04	GULF OIL CO. EMPLOYEES	HASLEY CANYON, 5 MILES ABOVE JUNCTION WITH CASTIC CREEK
1023B	S	36-27	1415	34 07 44	118 34 42	W. SPEER	GARRAPATA CANYON 0.75 MILE S. MULHOLLAND HIGHWAY ON SANTA MARIA ROAD
1025	S	22-86	160	34 02 00	118 42 42	PHILLIP DUNNE	24708 CABRILLA HIGHWAY, MALIBU BEACH
1028B	S	22-63	1300	34 03 37	118 44 23	D.J. TOLLEY	26202 FAIRSIDE ROAD MALIBU
1029	S	63-10	4950	34 23 27	118 04 50	G. TURNER	TIE CANYON DIVIDE, SOUTH OF ANGELES FOREST HIGHWAY
1030	ST	65 65	7590	34 20 50	117 49 57	L.A C.F.C.D. EMPLOYEES	BETWEEN MOUNT ISLIP AND LITTLE JIMMY SPRINGS, SAN GABRIEL MOUNTAINS
1031B	ST	64-66	7925	34 20 23	117 56 21	L.A.C.F.C.D. EMPLOYEES	0.25 MILE EAST OF WATERMAN MOUNTAIN, SAN GABRIEL MOUNTAINS
1035	SA	16 40	280	33 59 52	118 03 10	WALTER J. WOOD	1411 BEVERLY DRIVE, WHITTIER
1036	S	60-56	1900	34 19 54	118 20 37	FRANK SHUBERT	19131 N LITTLE TUJUNGA CANYON ROAD, SAN FERNANDO
1037-E	SA	41 45	585	34 08 48	118 02 59	J.T. MC GAH	301 NORTH BALDWIN AVENUE, ARCADIA
1038	ST	63-62	6925	34 22 44	118 01 53	L.A.C.F.C.D. EMPLOYEES	SOUTHEAST OF PACIFICO MOUNTAIN SAN GABRIEL MOUNTAINS
1039B	S	26-72	225	34 04 13	118 19 23	DR. DON MAC QUEEN	245 SO. LARCHMONT BOULEVARD, LOS ANGELES
1040	S	57-60	1150	34 23 50	118 38 18	SUNRAY OIL CO. EMPLOYEES	4 MILES SOUTHWEST OF SANTA CLARA RIVER AND HIGHWAY 99
1041B	AP	42-28	427	34 07 04	117 58 24	C. OF E. EMPLOYEES	SANTA FE DAM EAST OF SPILLWAY SOUTH OF MONROVIA
1042	SP	2-73	825	33 45 37	118 19 47	C. WOOD	EASTFIELD DRIVE #1, ROLLING HILLS
1043	SP	2-66	950	33 44 12	118 19 57	C. WOOD	CREST ROAD AND PALOS VERDES DRIVE EAST, ROLLING HILLS
1044	SP	2-46	150	33 44 20	118 21 30	C. WOOD	NO. 2 YACHT HARBOR DRIVE - PALOS VERDES DRIVE SOUTH, ROLLING HILLS
1045	SP	1-95	250	33 44 52	118 24 29	C. WOOD	CREST ROAD - PALOS VERDES DRIVE WEST, ROLLING HILLS
1046B	S	41-70	2175	34 11 46	118 01 20	LILA ADAMS	NORTH END OF CHANTRY FLAT - SANTA ANITA CANYON
1047	S	30-65	375	34 02 32	117 55 49	C.J REINHARD	16129 MEADOWSIDE STREET, PUENTE
1048	S	50-47	1410	34 13 29	118 15 23	O.O. LANGERUD	3916 DUNSMORE STREET, LA CRESCENTA
1050	S	35-79	1010	34 06 29	118 37 41	FERMIN GRAY	1535 N. VALLEY DRIVE, TOPANGA
1051	SP	36-21	800	34 10 53	118 34 23	LEE HAINES	6201 WINNETKA AVENUE, C.W. PIERCE COLLEGE, CANOGA PARK
1052	SP	24-81	660	34 04 51	118 31 10	PAUL WEISS	3000 RUSTIC CANYON, B.S.A. CAMP JOSEPHO, SANTA MONICA MOUNTAINS
1053	S	50-02	1500	34 16 42	118 17 43	K.A SOLOMON	TUJUNGA CANYON 1.7 MILES ABOVE FOOTHILL BOULEVARD
1054	S	59-87	1730	34 19 35	118 24 45	FRED IVERSEN	1.6 MILES NORTHEAST OF FOOTHILL BOULEVARD AND SAYRE STREET
1055	S	56-82	7800	34 16 25	117 36 50	H. LEFFLER	2.1 MILES SOUTHEAST OF SAN ANTONIO PEAK AT THE NOTCH, SAN BERNARDINO CO.
1056	S	113 72	2315	34 46 20	118 01 40	C.H. KIRKLAND	5701 EAST AVENUE E, LANCASTER
1057B	S	29-56	230	34 02 02	118 02 40	DORIS K. BULLION	1000 NORTH DURFEE ROAD, WHITTIER NARROWS, EL MONTE
1058	AP	87-00	2583	34 35 45	118 05 35	IRRIGATION DISTRICT EMPLOYEES	1.7 MILES NORTHEAST OF PALMDALE
1059B	ST	65-98	7700	34 18 46	117 48 32	L.A.C.F.C.D. EMPLOYEES	SOUTH HAWKINS PEAK EAST OF CRYSTAL LAKE
1060	SA	76-28	3925	34 25 02	117 56 17	L.A.C.F.C.D. EMPLOYEES	LITTLE ROCK CANYON AT SYCAMORE CAMP
1062	SA	64-85	6660	34 20 45	117 55 12	U.S.F.S EMPLOYEES	BUCKHORN FLAT, 1.25 MILES NORTHEAST OF WATERMAN MOUNTAIN
1063	S	75-00	3610	34 29 38	118 05 24	J.G JOHNSTON	SOLEDAD PASS 1 6 MILES EAST OF ANGELES FOREST HIGHWAY
1064	ST	55-35	2000	34 14 36	117 45 40	A.J WINDEN	SAN GABRIEL CANYON - EAST FORK, 1.2 MILES ABOVE CATTLE CANYON
1066	SP AP	9-88	26	33 48 48	118 06 55	J.E. MC GINNIS	WOODRUFF AVENUE AND ADDERLEY DRIVE, LONG BEACH
1067	S	75-35	4500	34 26 36	118 04 00	L.A.C.F.C D EMPLOYEES	HEAD OF SANTIAGO CANYON, 2 MILES EAST OF ANGELES FOREST HIGHWAY
1068	S	21-31	1290	34 05 00	118 51 55	SHERIFF PERSONNEL	RATTLESNAKE CANYON SANTA MONICA MOUNTAINS
1069	ST	55-51	2825	34 16 58	117 44 48	A.J. WINDEN	SAN GABRIEL RIVER-EAST FORK ABOVE DEVILS GULCH
1070	S	7-11	182	33 53 00	118 23 19	V. PADDOCK	6TH STREET AND ROWELL AVENUE MANHATTAN BEACH
1071B-E	S	50-89	1300	34 12 10	118 12 40	J THRELKELD	1418 DESCANSO DRIVE, DESCANSO GARDENS, LA CANADA
1072	SP	49-30	1275	34 17 37	118 21 38	M. BORROWS	LITTLE TUJUNGA CANYON, 2 MILES ABOVE FOOTHILL BOULEVARD
1073B	SP	87-36	2855	34 32 14	118 03 48	NORMAN E. ROSS	3624 EAST AVENUE T6, PALMDALE
1074	SA	62-42	5600	34 22 46	118 09 03	U.S ARMY PERSONNEL	WEST OF LITTLE GLEASON ON SANTA CLARA RIDGE, SAN GABRIEL MOUNTAINS
1075	AP	44-72	3625	34 10 13	117 43 16	L.F. REIMAN	SAN DIMAS EXPERIMENTAL FOREST AT HEAD OF WOLFSKILL CANYON
1076	SP	62-68	2850	34 18 38	118 08 17	ROBERT SCOLES	ANGELES FOREST HIGHWAY ABOVE MILL CREEK BRIDGE
1077B	S	42-03	962	34 09 58	117 59 37	MONROVIA W.D. EMPLOYEES	CANYON BOULEVARD AND OAKGLADE STREET, MONROVIA
1078	SA	31-53	975	34 04 10	117 50 47	E.B. GRIFFITH	20951 EAST VIA VERDE, WEST COVINA
1079	8.81	40-70	1653	34 11 57	118 07 22	L.A.C.F.C.D. EMPLOYEES	RUBIO DEBRIS BASIN, ALTADENA
1080	SA	42-34	935	34 09 23	117 57 58	L.A.C.F.C.D. EMPLOYEES	BRADBURY DEBRIS BASIN, DUARTE
1081	S	39-50	1200	34 11 33	118 14 28	L.A.C.F.C.D. EMPLOYEES	DEER DEBRIS BASIN, VERDUGO MOUNTAINS
1082	8.81	50-45	2275	34 14 53	118 15 07	L.A.C.F.C.D. EMPLOYEES	DUNSMUIR DEBRIS BASIN, EAST OF TUJUNGA
1083	S	42-44	905	34 09 17	117 57 05	L.A.C.F C D. EMPLOYEES	MADDOCK DEBRIS BASIN, DUARTE
1084	8.81	59-76	1680	34 19 50	118 25 45	L.A.C.F.C.D. EMPLOYEES	MAY DEBRIS BASIN NORTH OF SAN FERNANDO
1085	8.81	49-78	1010	34 12 42	118 19 36	L.A.C.F C D. EMPLOYEES	MC CLURE DEBRIS BASIN, NORTH OF BURBANK
1086	8.81	16-71	495	33 59 18	118 01 30	L.A.C.F.C.D. EMPLOYEES	TURNBULL DEBRIS BASIN, NORTHEAST OF WHITTIER
1087	S	49-64	1360	34 15 27	118 20 06	L.A.W.D. EMPLOYEES	SOUTHWEST OF 10320 SUNLAND BOULEVARD, VERDUGO MOUNTAINS
1088B	SA	17-35	445	33 56 55	117 57 51	B. RETTIG	1271 NORTH HACIENDA BOULEVARD, 5 MILES EAST OF WHITTIER
1089C	S	24-25	25	34 02 32	118 34 46	DANNY ALLEN VAUGHAN	3751 SO RODEO GROUNDS, MALIBU
1090	SP	10 28	23	33 48 38	118 04 38	A.J. LABOURDETTE	3242 CERRITOS, ORANGE COUNTY
1091	3RP	10-66	41	33 49 50	118 02 22	FOREST LOWERY	5331 BISHOP STREET, CYPRESS, ORANGE COUNTY
1092	SP	11-03	75	33 51 57	117 59 50	R. AVIS	7681 NINTH STREET, BUENA PARK, ORANGE COUNTY
1093-E	SP AP	11-22	94	33 52 13	117 58 34	ORANGE COUNTY EMPLOYEES	COMMONWEALTH AVENUE AND MAGNOLIA STREET AT FULLERTON AIRPORT
1094	3RP	17-87	375	33 55 46	117 54 53	UNION OIL CO. EMPLOYEES	PUENTE STREET AND CENTRAL AVENUE LA HABRA, ORANGE COUNTY
1095	SP AP	18 16	600	33 56 07	117 52 58	U.S. CORP OF ENGINEERS	ORANGE COUNTY RESERVOIR, NORTH OF BREA
1096	SP	19-06	670	33 55 53	117 47 43	NORMAN SLATON	CARBON CANYON AT LA VIDA SPRINGS, ORANGE COUNTY
1097	SP	19-43	1200	33 57 58	117 45 40	S.M. STOODY	CARBON CANYON SUMMIT, SAN BERNARDINO COUNTY
1098	SP	19-11	950	33 59 05	117 47 00	ORANGE COUNTY EMPLOYEES	TONNER CANYON ROAD EAST OF SAN BEENARDINO COUNTY LINE
1099	S	29-49	280	34 00 20	118 03 30	IRA D. CATE	10234 STRONG AVENUE, NORTHWEST OF WHITTIER
1101	S	111 18	2430	34 43 08	118 17 22	JOSEPH COLLETTI	9023 WEST AVENUE H, DEL SUR, MOJAVE DESERT
1102	ST	52 91	5050	34 16 53	118 00 07	L.A C.F.C.D. EMPLOYEES	SOUTH OF ANGELES CREST HIGHWAY AT HEAD OF BOBCAT CANYON
1103	SP	36 71	720	34 11 15	118 31 15	J.H. HOUSSELS	6432 JAMIESON, RESEDA
1104	S	71 40	1625	34 29 37	118 27 25	U.S.F.S EMPLOYEES	31251 BOUQUET CANYON, SAUGUS
1105	S	109-46	2865	34 44 15	118 27 20	MRS. JAMES SLEASE	18350 AVENUE F8, WEST FAIRMONT
1106	SP AP	110-99	2450	34 42 12	118 18 32	R.C. FORSYTHE	10146 WEST AVENUE I, LANCASTER
1107B	SA	49-76	1225	34 14 20	118 20 27	LOIS J. BREWER	8825 LA TUNA CANYON ROAD, SUN VALLEY
1108	SA	86-12	2950	34 34 42	118 10 58	MRS GEORGE HODGES	2712 WEST AVENUE R, PALMDALE
1109	ST	56-71	8650	34 16 52	117 37 20	L.A C.F.C.D. EMPLOYEES	SOUTHEAST OF SAN ANTONIO PEAK, SAN BERNARDINO COUNTY
1110	8.81	39-94	987	34 09 13	118 12 01	L.A C.F.C.D. EMPLOYEES	SCHOLL DEBRIS BASIN, GLENDALE
1111	S	77-48	4825	34 24 45	117 51 32	D.M. MAC GREGOR	WEST OF PUNCH BOWL CANYON SOUTH OF VALYERMO
1112	ST	54-31	4025	34 17 04	117 51 58	L.A.C.F.C.D. EMPLOYEES	WEST OF SMITH MOUNTAIN, BEAR CANYON, SAN GABRIEL MOUNTAINS
1113	SP AP	8-76	30	33 49 54	118 13 30	T.J. CLEMMER	21718 SOUTH ALAMEDA STREET, SOUTH OF COMPTON
1114	AP	29-17	255	34 01 15	118 05 00	U.S. C. OF E. EMPLOYEES	WHITTIER NARROWS DAM, NEAR LINCOLN BOULEVARD
1115	AP	45-24	2120	34 09 24	117 40 20	U.S. C OF E. EMPLOYEES	BELOW SAN ANTONIO DAM AT CARETAKER'S HOUSE
1116	S	9-77	40	33 49 35	118 07 12	BAIRD MILNOR	2124 SAN ANSELINE AVENUE, LONG BEACH
1117	S	95-80	3825	34 41 55	118 30 35	U.S.F.S. EMPLOYEES	21526 PINE CANYON ROAD, LAKE HUGHES
1118	AP	9-74	55	33 51 45	118 07 43	GEORGE MC AULLEY	5626 PEARCE AVENUE, LAKEWOOD
1119	ST	94-90	4350	34 41 30	118 36 20	L.A.C.F.C.D EMPLOYEES	SOUTH SLOPE OF LIEBRE MOUNTAIN AT HEAD OF FISH CANYON - ATMORE MEADOW
1120	ST	65-93	7900	34 22 10	117 48 10	L.A.C.F.C.D. EMPLOYEES	1/4 MILE SSE OF MT. LEWIS NORTHEAST SLOPE OF SAN GABRIEL MOUNTAINS
1121	S	52-22	5550	34 16 43	118 04 38	U.S ARMY PERSONNEL	BARLEY FLAT, SAN GABRIEL MOUNTAINS
1122	8 81	50-35	2100	34 14 52	118 15 43	L.A.C.F.C.D EMPLOYEES	1/2 MILE NORTH OF FOOTHILL BOULEVARD AT END OF BOSTON AVENUE, LA CRESCENTA
1123	SP	76-45	4325	34 26 50	117 57 12	ELEANOR T. OPID	ONE MILE WEST AND 1/4 MILE SOUTH OF CIMA MESA ROAD
1124	S	51-94	4625	34 15 30	118 06 17	DAN LAWYER	JUNCTION OF ANGELES CREST HIGHWAY AND MT. WILSON ROAD
1125	S	30-78	460	34 01 00	117 55 15	H.J. GRUETER	ONE HALF MILE NORTH OF BAILEY BOULEVARD AND WEST OF PASS AND COVINA ROAD
1126	8.81	48-99	780	34 12 30	118 24 35	W. WOODSON	12730 SATICOY STREET, LOS ANGELES
1127	S	38-62	615	34 10 47	118 20 07	FIRE STATION PERSONNEL	2305 WEST BURBANK BOULEVARD, BURBANK
1128	SP	67-63	6200	34 21 40	117 38 10	CHIEF O E. CROUT	APPLE AND CEDAR STREETS, WRIGHTWOOD, SAN BERNARDINO COUNTY
1129	S	20-87	340	34 02 52	118 54 57	M.E. GORDON	34035 CABRILLO HIGHWAY, MALIBU
1130	S	79-25	4130	34 26 32	117 40 25	TOM BUCHANAN	SOUTHWEST OF HIGHWAY 138 AND FORT TEJON ROAD, EAST OF PUZZLE CANYON
1131	S	43-39	705	34 06 25	117 51 40	HOMER W. WALKER	161 EAST ARROW HIGHWAY, COVINA
X-6	SA	36-86	1240	34 08 15	118 30 57	L.A.W.D. EMPLOYEES	0.4 MILE SOUTH OF ENCINO RESERVOIR
X-12	8.81	90-81	2910	34 34 50	117 43 10	G.K. FITCH	230TH STREET EAST AND AVENUE Q-8 WILSONA
X-15	S	116-16	3075	34 44 06	117 46 58	M.R. CARD	19562 EAST AVENUE G HI VISTA
X-19	SP	50-43	3400	34 15 52	118 15 13	U.S.F.S. EMPLOYEES	WEST SIDE COOKS CANYON SAN GABRIEL MOUNTAINS
X-21	SP	50-63	4425	34 15 41	118 13 50	U.S.F.S. EMPLOYEES	WEST OF PICKENS CANYON SAN GABRIEL MOUNTAINS
X-22	ST	65-44	6700	34 21 27	117 51 05	L.A.C.F.C.D. EMPLOYEES	ISLIP SADDLE, NORTH OF ANGELES CREST HIGHWAY, SAN GABRIEL MOUNTAINS
X-23	ST	66-12	7250	34 22 16	117 46 51	L.A C.F.C.D. EMPLOYEES	DORR CANYON, EAST OF ANGELES CREST HIGHWAY, SAN GABRIEL MOUNTAINS
X-24	ST	66-72	7350	34 22 35	117 43 16	L.A.C.F.C.D EMPLOYEES	GRASSY HOLLOW, NORTH OF ANGELES CREST HIGHWAY, SAN GABRIEL MOUNTAINS
X-25	ST	67-03	7880	34 21 58	117 41 29	L.A.C.F.C.D. EMPLOYEES	BEAR GULCH WEST OF PRAIRIE FORK ROAD, SAN GABRIEL MOUNTAINS
X-26	ST	67 25	8450	34 20 58	117 40 24	L.A.C.F.C.D. EMPLOYEES	NORTH OF PRAIRIE FORK ROAD NORTHWEST OF MT. BALDY
X-27	ST	67-56	8125	34 20 20	117 38 57	L.A.C.F.C.D EMPLOYEES	BLUE RIDGE EAST OF SAN BERNARDINO COUNTY LINE
X-28	A	67-24	8500	34 21 10	117 40 28	U.S.F.S. EMPLOYEES	ONE MILE SOUTHEAST OF BLUE RIDGE CAMP, NORTH OF PRAIRIE FORK ROAD

RAIN GAGE STATION LOCATION

SEASON 1958-59

STA. NO.	TYPE GAGE	QUAD INDEX	ELEV. OF GAGE	NORTH LAT. ° ' "	WEST LONG. ° ' "	OBSERVER	LOCATION
42B	8.81	7-16	90	33 50 23	118 23 22	F.M. ARNOLD	219 S. PACIFIC AVENUE, REDONDO
43B	S	2-20	450	33 47 47	118 22 12	DON BARKER	PALOS VERDES ESTATES AT GOLF COURSE
46D-E	SA	51-10	2315	34 17 31	118 11 15	W.L. CROKE	BIG TUJUNGA DAM WEST OF SPILLWAY
51	S	65-69	4010	34 18 06	117 50 20	B.J. BIERKE	FALLING SPRINGS RESORT, SAN GABRIEL CANYON, NORTH FORK
53D	SA	62-89	3675	34 18 02	118 06 39	R.L. CHANDLER, SR.	COLBY'S COLDWATER CANYON ABOVE BIG TUJUNGA CANYON
70C	SA	43-03	845	34 09 47	117 53 37	DICK WADE	SAN GABRIEL CANYON NEAR MOUTH
83B	SA	67-12	6860	34 22 45	117 41 20	U.S.F.S. EMPLOYEES	BIG PINES RECREATION PARK, ANGELES CREST HIGHWAY
101B	S	30-43	356	34 03 52	117 57 04	C.J. HURST	1227 SO. ORANGE AVENUE, WEST COVINA
108C	SA	29-52	275	34 04 30	118 02 30	JOSEPH J. O'NEIL	119 SOUTH HOYT AVENUE, EL MONTE
140	S	25-55	232	34 02 44	118 26 57	L.A. CITY EMPLOYEES	1620 PURDUE AVENUE, WEST LOS ANGELES
143B	S	42-96	610	34 08 03	117 54 17	CORNELIUS SMITH	NORTH OF FOOTHILL BOULEVARD AND EAST OF ALAMEDA AVENUE, AZUSA
167B	S	41-64	611	34 09 31	118 02 01	WAYNE SPENCER	67 WEST ORANGE GROVE AVENUE, ARCADIA
169-E	SP	41-63	700	34 09 47	118 02 21	C. ASKEW	621 EAST SIERRA MADRE BOULEVARD, SIERRA MADRE
263F	S	32-37	820	34 01 34	117 46 06	RICHARD RIVERA	WEST OF PARK AVENUE, TWO MILES SOUTH OF FIFTH STREET, POMONA
266C	SP	17-04	301	33 57 12	117 59 56	E.H. MELTON	15305 CARRETERA DRIVE, WHITTIER
269A	S	18-53	720	33 58 09	117 50 40	S.A. LOY	DIAMOND BAR RANCH NO. 1, BREA CANYON ROAD
294B	SP	41-53	985	34 10 11	118 02 51	C. ASKEW	MIRA MONTE AVENUE AND MT. WILSON ROAD, SIERRA MADRE
306D	S	21-56	15	34 01 55	118 50 45	J. ASNER	30918 BROAD BEACH, MALIBU
311b	SP AP	40-43	918	34 09 48	118 09 27	CRAIG AND OKUBO	1083 MENTONE STREET, PASADENA
312	S	42-85	675	34 08 51	117 54 55	F. BARNES	ONE MILE NORTH OF AZUSA, 17015 SIERRA MADRE, AZUSA
363C	ST	59-44	3175	34 21 18	118 27 02	L.A.C.F.C.D. EMPLOYEES	WILSON CANYON, SOUTH OF SANTA CLARA TRUCK TRAIL
377F	SP	33-04	1040	34 09 00	118 53 59	W.D. FERGUSON	LAKE SHERWOOD, AT FIRE STATION, VENTURA COUNTY
389B	SP	43-35	835	34 08 50	117 52 01	FRANK H. BROWN	229 WEST SIERRA MADRE AVENUE, GLENDORA
395B	S	59-57	1425	34 19 31	118 26 56	JOSEPH JORBOE	OLIVE VIEW SANITARIUM, SAN FERNANDO
410D	S	81-13	2630	34 33 54	118 40 54	C. HUNTER	35817 HIGHWAY 99, CASTAIC
422F	S	60-35	2175	34 20 48	118 21 52	J.D. BISHOP	TWO MILES ABOVE PACOIMA DAM ON LITTLE TUJUNGA ROAD
441C-E	S	86-82	2662	34 34 28	118 06 50	WAYNE STICE	COUNTY ROAD DEPARTMENT, MAINTENANCE YARD, 38126 SIERRA HWY., PALMDALE
456	S	102-54	2680	34 39 02	117 50 55	R.A. AYRISS	PIUTE BUTTE, 15701 AVENUE M, EAST LANCASTER
466B	SA	60-54	3225	34 21 07	118 20 38	JAMES D. BISHOP	PACOIMA CANYON, DUTCH LOUIS CANYON, SAN GABRIEL MOUNTAINS
473B	S	72-63	2200	34 27 43	118 19 50	J.J. MURRAY	31449 AQUA DULCE ROAD, EAST OF SAUGUS
477C	SA	53-28	4675	34 13 02	117 58 40	E.C. WINDER	E. FORK SANTA ANITA CANYON, SAN GABRIEL MOUNTAINS
564C	S	77-61	3450	34 28 55	117 50 03	L.W. BRYDEN	32810 AVENUE 165 EAST, LLANO
588D	ST	51-97	4500	34 15 37	118 06 33	L.A.C.F.C.D. EMPLOYEES	ONE HALF MILE SOUTHWEST OF MT. LOWE, SAN GABRIEL MOUNTAINS
677C	SP	40-22	985	34 10 19	118 10 41	C.V. HOFFMAN	1333 LIDA STREET, PASADENA
678	SP	40-32	1052	34 10 39	118 09 56	CRAIG AND OKUBO	SHELDON RESERVOIR, NEAR MONTANA STREET AND ARROYO BOULEVARD, PASADENA
742C	SP	41-09	445	34 06 11	118 05 56	FIRE DEPARTMENT PERSONNEL	115 NORTH DEL MAR AVENUE, SAN GABRIEL
759B	AP	38-49	478	34 06 22	118 24 00	L.A. CITY EMPLOYEES	1944 NICHOLS CANYON ROAD, HOLLYWOOD
806	AP	27-40	540	34 05 58	118 15 25	W.C. OLSON	2376 TEVIOT STREET, SILVER LAKE HEIGHTS, LOS ANGELES
1007B	S	64-25	5900	34 20 40	117 58 41	R.O. STABIG	CAMP VALCREST, ANGELES CREST HIGHWAY, NORTHEAST OF CHILAO
1028C	S	22-53	1300	34 03 43	118 44 32	D.W. CRUMP	26385 INGLESIDE WAY, MALIBU
1047	S	30-65	375	34 02 32	117 55 49	C.J. REINHARD	16129 MEADOWSIDE STREET, PUENTE
1048B	S	50-47	1410	34 13 29	118 15 23	O.O. LANGERUD	3916 DUNSMORE AVENUE, LA CRESCENTA
1080B	SA	42-34	935	34 09 23	117 57 58	L.A.C.F.C.D. EMPLOYEES	BRADBURY DEBRIS BASIN, DUARTE
1111B	S	77-38	4750	34 24 55	117 51 42	R.C. JERRETT	NORTHWEST OF PUNCHBOWL CANYON, SOUTH OF VALYERMO
1132	S	80-70	2850	34 35 52	118 43 25	U.S.F.S. EMPLOYEES	ONE QUARTER MILE WEST OF GOLDEN STATE HIGHWAY AT OAK FLAT
1133	ST	53-59	2600	34 12 25	117 56 43	LACFCD EMPLOYEES	FISH CANYON, NORTHEAST OF STONE CABIN, SAN GABRIEL MOUNTAINS
1135	SP	1-82	260	33 46 40	118 25 00	COL. W. C. PLATT	2105 WEST PALOS VERDES DRIVE, PALOS VERDES ESTATES
1136	S	42-56	580	34 08 25	117 56 47	FIRE STATION PERSONNEL	1135 NORTH FISH CANYON ROAD, DUARTE
1137	S	49-99	1160	34 12 17	118 18 15	A. MC DONALD	1501 WALNUT AVENUE, ABOVE STOUGH CANYON DEBRIS BASIN, BURBANK
X-12B	S	90-72	2930	34 34 20	117 43 23	ED MEYERS	22721 EAST AVENUE R, WILSONIA
X-28B	A	67-14	8150	34 21 25	117 40 50	D.O. BURNS	TOP OF HOLIDAY HILL CHAIR LIFT - NORTH OF PRAIRIE FORK ROAD
X-29	SA	53-97	4100	34 13 35	117 54 30	GENEVIEVE DE VORE	0.5 MILE WEST NORTHWEST OF PINE MOUNTAIN, SAN GABRIEL MOUNTAINS

LEGEND REGARDING GAGE TYPE AND OWNERSHIP

S	STANDARD 8" DIAMETER GAGE OWNED BY FLOOD CONTROL DISTRICT
A	AUTOMATIC GAGE OWNED BY FLOOD CONTROL DISTRICT
ST	STORAGE TYPE GAGE OWNED BY FLOOD CONTROL DISTRICT
SP	STANDARD 8" DIAMETER GAGE PRIVATELY OWNED
6"P	STANDARD 6" DIAMETER GAGE PRIVATELY OWNED
4½"P	STANDARD 4½" DIAMETER GAGE PRIVATELY OWNED
3"P	STANDARD 3" DIAMETER GAGE PRIVATELY OWNED
8.81	SPECIAL TYPE COLLECTOR RING, (8.81" DIAMETER) WITH A GLASS GRADUATE MEASURING TUBE
AP	AUTOMATIC GAGE PRIVATELY OWNED
SUFFIX B OR C	DENOTES SECOND AND THIRD LOCATION OF STATION IN SAME LOCALITY UNDER NEARLY SAME CONDITIONS
SUFFIX E	DENOTES EVAPORATION PAN AT STATION

QUAD INDEX NUMBERS

THE "QUAD" INDEX NUMBERS ASSIGNED TO PRECIPITATION STATIONS SERVE AS A LOCATION GUIDE. THE PORTION OF THE INDEX NUMBER PRECEDING THE HYPHEN INDICATES THE NUMBER OF THE 1:24000 SCALE TOPOGRAPHIC QUADRANGLE AS PUBLISHED BY THE UNITED STATES GEOLOGICAL SURVEY. THESE "QUADS" HAVE BEEN NUMBERED FROM LEFT TO RIGHT BEGINNING WITH THE MOST SOUTHWESTERLY AND ENDING WITH THE MOST NORTHEASTERLY "QUAD" IN AND NEAR LOS ANGELES COUNTY. THE TWO DIGITS FOLLOWING THE HYPHEN INDICATE THE HORIZONTAL AND VERTICAL COORDINATES RESPECTIVELY OF EACH "QUAD". THE "QUADS" HAVE BEEN DIVIDED INTO TEN EQUAL DIVISIONS BOTH HORIZONTALLY AND VERTICALLY NUMBERED FROM 0 TO 9 READING FROM LEFT TO RIGHT AND TOP TO BOTTOM RESPECTIVELY.

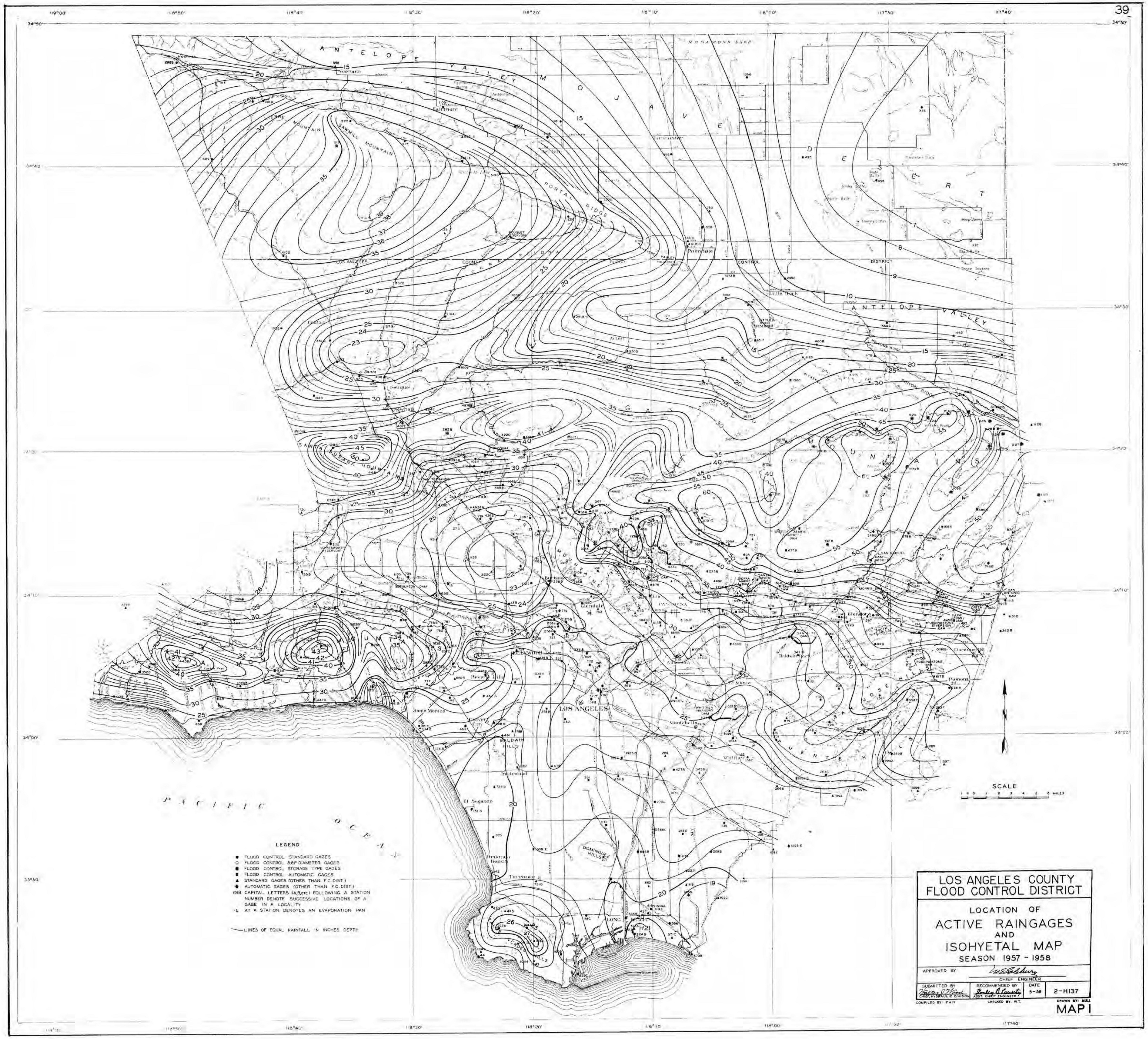
NOTE: RAIN GAGE STATIONS FOR SEASON 1958-59 WERE IDENTICAL WITH SEASON 1957-58 EXCEPT AS SHOWN FOR 1958-59.

TABLE X

87-YEAR SEASONAL RAINFALL INDICES
for
SELECTED AREAS IN LOS ANGELES COUNTY

SEASON	"A" COASTAL PLAIN	"B" SAN FERNANDO VALLEY	"C" SAN GABRIEL VALLEY	"D" SAN GABRIEL MOUNTAINS	"E" SANTA MONICA MOUNTAINS	"F" SIERRA PELONA	"G" DESERT	COUNTY INDEX *
1872-73	95	95	77	79	94	86	78	84
74	154	154	150	151	150	151	150	151
75	120	121	82	86	120	100	83	97
76	167	167	124	129	167	144	125	141
77	35	27	27	25	32	17	17	24
78	137	123	137	125	131	64	64	100
79	73	57	72	65	66	38	38	54
80	125	108	125	123	122	121	131	124
81	79	66	78	73	77	56	60	67
82	64	57	68	68	54	78	79	71
1882-83	70	63	75	69	71	54	45	60
84	236	221	239	246	235	262	284	254
85	57	56	57	57	58	50	55	55
86	147	141	129	140	153	169	196	161
87	85	84	79	87	84	106	123	98
88	102	83	123	119	105	107	109	108
89	126	124	130	132	127	133	142	133
90	166	200	194	203	146	225	231	205
91	93	78	104	100	99	91	97	95
92	77	61	82	78	71	70	71	73
1892-93	157	138	156	148	133	126	123	138
94	49	39	56	50	47	46	49	48
95	106	111	122	121	101	92	52	94
96	60	52	54	54	56	52	116	69
97	122	112	108	108	111	102	50	95
98	49	41	57	46	42	23	37	40
99	45	27	40	32	38	28	33	34
00	61	52	56	58	59	48	87	63
01	104	106	115	103	102	111	96	104
02	72	58	64	63	71	53	60	62
1902-03	140	119	120	117	128	110	117	120
04	56	52	55	55	58	45	38	49
05	122	134	127	121	126	138	131	129
06	142	120	126	128	124	111	119	123
07	129	145	139	139	150	166	156	148
08	87	91	93	93	90	95	96	93
09	120	108	123	113	114	95	80	103
10	84	76	90	89	84	108	105	95
11	111	119	125	137	118	150	133	132
12	60	86	75	80	71	81	67	74
1912-13	75	85	76	79	74	88	70	78
14	145	162	162	163	149	159	144	154
15	134	128	120	118	134	153	133	133
16	139	130	139	140	133	116	108	126
17	95	96	94	92	94	80	66	84
18	95	112	90	105	114	108	93	101
19	70	72	68	71	79	68	73	71
20	75	82	90	95	77	82	78	83
21	97	107	98	96	98	91	85	93
22	124	140	136	176	122	159	130	145
1922-23	72	72	76	85	71	84	73	78
24	47	48	54	53	44	46	59	51
25	55	61	63	65	54	54	53	57
26	90	119	109	116	97	114	104	107
27	109	127	123	108	105	110	114	112
28	82	70	74	62	63	61	62	66
29	76	73	78	68	75	69	64	70
30	73	77	78	75	73	77	92	79
31	81	92	80	77	92	103	114	94
32	110	123	111	117	110	128	145	125
1932-33	74	77	68	66	75	81	75	74
34	80	95	99	74	92	64	44	70
35	133	123	123	124	119	133	153	134
36	77	79	77	72	87	73	49	69
37	144	144	145	142	149	147	140	144
38	143	150	146	158	154	151	147	150
39	124	119	100	103	115	123	139	121
40	93	98	79	75	100	78	78	82
41	222	237	202	187	228	231	230	219
42	83	78	70	72	80	82	90	81
1942-43	120	150	146	157	141	152	164	150
44	127	141	115	136	137	160	227	161
45	91	89	90	95	88	86	87	92
46	81	82	80	93	82	101	90	90
47	92	87	91	100	85	95	94	94
48	45	46	53	52	49	51	62	53
49	57	50	61	58	54	55	67	59
50	69	68	74	64	74	74	55	66
51	54	54	51	43	50	37	36	43
52	164	189	158	153	188	176	184	172
1952-53	88	69	63	55	70	60	68	62
54	87	80	85	82	95	85	93	87
55	80	83	72	69	82	84	78	78
56	103	102	87	71	99	85	62	82
57	68	76	72	70	72	79	73	73
58	155	161	168	162	168	181	166	167
59	44	50	46	54	49	58	50	51
85-YEAR NORMAL RAINFALL	14 15	16 77	18 83	25.89	19 27	15.32	7.09	15.75
1957-58 RAINFALL	21.93	26.99	31 63	41.94	32.37	27.72	11.77	26.21
1958-59 RAINFALL	6.23	8.38	8.66	13 98	9.44	8.89	3.55	8.14
AREA IN SQUARE MILES	597	272	303	748	224	855	953	3952

NOTE: * INDICATES WEIGHTED AVERAGE INDEX OF AREAS


ANTELOPE VALLEY
MOJAVE DESERT
LIEBRE MOUNTAIN
SAWMILL MOUNTAIN
PORTAL RIDGE
SIERRA PELONA
SANTA SUSANA MOUNTAINS
SAN GABRIEL MOUNTAINS
SANTA MONICA MOUNTAINS
VERDUGO MOUNTAINS
SAN JOSE HILLS
PUENTE HILLS
BALDWIN HILLS
DOMINGUEZ HILLS
PALOS VERDES HILLS
PACIFIC OCEAN
LOS ANGELES
SCALE
MILES
LEGEND
FLOOD CONTROL STANDARD GAGES
FLOOD CONTROL 8.81" DIAMETER GAGES
FLOOD CONTROL STORAGE TYPE GAGES
FLOOD CONTROL AUTOMATIC GAGES
STANDARD GAGES (OTHER THAN F.C. DIST.)
AUTOMATIC GAGES (OTHER THAN F.C. DIST.)
191B CAPITAL LETTERS (A,B,ETC.) FOLLOWING A STATION NUMBER DENOTE SUCCESSIVE LOCATIONS OF A GAGE IN A LOCALITY
-E AT A STATION DENOTES AN EVAPORATION PAN
LINES OF EQUAL RAINFALL IN INCHES DEPTH
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
LOCATION OF ACTIVE RAINGAGES AND ISOHYETAL MAP
SEASON 1957 - 1958
APPROVED BY
CHIEF ENGINEER
SUBMITTED BY
CHIEF, HYDRAULIC DIVISION
RECOMMENDED BY
ASST. CHIEF ENGINEER
DATE 5-59
2-H137
COMPILED BY: P.A.H.
CHECKED BY: W.T.
DRAWN BY: M.R.L.
MAP I

ANTELOPE VALLEY
MOJAVE DESERT
ROSAMOND LAKE
Lancaster
Palmdale
Little Rock
Pearblossom
Palmdale
Fairmont
Neenach
Castaic
Saugus
Newhall
Sierra Madre
Arcadia
Pasadena
Glendale
Burbank
Hollywood
Beverly Hills
Santa Monica
Los Angeles
Culver City
Baldwin Hills
Inglewood
El Segundo
Redondo Beach
Torrance
Long Beach
Whittier
Montebello
El Monte
Alhambra
Monterey Park
Claremont
Pomona
Covina
Baldwin Park
Glendora
Azusa
San Fernando
Burbank
Glendale
Monrovia
Duarte
Sierra Madre
Arcadia
Pasadena
Altadena
La Canada
Tujunga
Sunland
Lopez Canyon
Little Tujunga Canyon
Big Tujunga Canyon
Soledad Canyon
Elizabeth Lake
Quail Lake
Lake Hughes
Castaic Lake
Pyramid Lake
Piru Creek
Santa Clara River
Mint Canyon
Agua Dulce
Acton
Vasquez Rocks
Placerita Canyon
Sand Canyon
Big Tujunga Canyon
Little Tujunga Canyon
Tujunga Canyon
Lopez Canyon
Soledad Canyon
Elizabeth Lake
Quail Lake
Lake Hughes
Castaic Lake
Pyramid Lake
Piru Creek
Santa Clara River
Mint Canyon
Agua Dulce
Acton
Vasquez Rocks
Placerita Canyon
Sand Canyon
LIEBRE MOUNTAIN
PORTAL RIDGE
SANTA SUSANA MOUNTAIN
SAN GABRIEL MOUNTAINS
SAN GABRIEL RIVER
SANTA MONICA MOUNTAINS
PACIFIC OCEAN
DOMINGUEZ HILLS
BALDWIN HILLS
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
Pelona Ridge
Portal Ridge
Liebre Mountain
Santa Susana Mountain
San Gabriel Mountains
Santa Monica Mountains
Dominguez Hills
Baldwin Hills
Pacific Ocean
SCALE
0 1 2 3 4 5 6 MILES
LEGEND
● FLOOD CONTROL STANDARD GAGES
○ FLOOD CONTROL 8" DIAMETER GAGES
⊕ FLOOD CONTROL STORAGE TYPE GAGES
⊡ FLOOD CONTROL AUTOMATIC GAGES
▲ STANDARD GAGES (OTHER THAN F.C. DIST.)
▣ AUTOMATIC GAGES (OTHER THAN F.C. DIST.
(SIB CAPITAL LETTERS (A,B,etc.) FOLLOWING A STATION NUMBER DENOTE SUCCESSIVE LOCATIONS OF A GAGE IN A LOCALITY
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— LINES OF EQUAL RAINFALL INCHES DEPTH
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
LOCATION OF
ACTIVE RAINGAGES
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ISOHYETAL MAP
SEASON 1958 - 1959
APPROVED BY
CHIEF ENGINEER
SUBMITTED BY
CHIEF, HYDRAULICS SECTION
RECOMMENDED BY
ASST. CHIEF ENGINEER
DATE
2-59
NO. 2-H144
COMPILED BY: M.T.
CHECKED BY: P.H.
DRAWN BY: M.M.I.
MAP II

EVAPORATION RECORDS

EVAPORATION

FOREWORD

This report contains monthly and seasonal data for active evaporation stations reporting to the District during 1957-58 and 1958-59 seasons. Daily records and prior records of active and inactive stations are available in the District's files. Monthly and seasonal evaporation has been published in the District's Annual or Biennial reports on Hydrologic data since the 1931-32 season. A summary of monthly and seasonal evaporation through the 1952-53 season for active and inactive stations is published in the District's 1951-52 and 1952-53 Biennial Report on Hydrologic Data and is brought up to date in this Report.

SUMMARY OF SEASONAL EVAPORATION

The following tabulation indicates the maximum and minimum rates of evaporation in inches at stations within the County for the seasons 1957-58 and 1958-59. For comparative purposes the evaporation amounts considered in the following table are those available from a 24-inch diameter land evaporation pan equipped with a screen.

	1957-58	1958-59
Maximum Seasonal Amount - Palmdale	90.15	98.91
Maximum Monthly Amount - Palmdale	15.18 July	16.50 July
Minimum Seasonal Amount - Puddingstone Reservoir	39.22	43.01
Minimum Monthly Amount - Baldwin Park	0.97 January	
Minimum Monthly Amount - Opid's (Camp Hi Hill)		1.42

At various times during the winter months, a number of stations may indicate water as frozen, or partially frozen, thus giving an incomplete total evaporation as a result.

Table XI, page 45, presents monthly and seasonal evaporation data for all active stations during the seasons 1957-58 and 1958-59.

Table XII, page 46, presents monthly and seasonal evaporation data since beginning of record for active and inactive stations.

Evaporation is normally measured daily at 5 p.m. to be consistent with rainfall measurements.

LOCATION AND NUMBER OF STATIONS

The District received evaporation records from 30 evaporation stations for the period of this report. There were 38 evaporation pans utilized during the season 1957-58, and 39 evaporation pans in operation for the 1958-59 season. Twenty-six of the pans were on or near reservoirs. San Gabriel, Cogswell and Bouquet Canyon Reservoirs are equipped with both lake and land pans. The floating pan at the Encino Reservoir was not in use during the 1957-58 season, and for only part of the 1958-59 season.

LENGTH OF RECORD

A land pan was installed for the first time by the District at Santa Anita Dam in March, 1929. The District maintains 18 stations with records from 22 to 30 years in length and six stations with records 13 to 21 years in length.

EQUIPMENT

The land pan in use by the District is 24 inches inside diameter and 36 inches deep. It is installed in the ground in natural surroundings to a depth of 33 inches. It is equipped with a one-fourth inch brass rod which is placed vertically in the center of the pan. This rod, the upper end of which is 33 inches from the bottom of the pan, has a sharp point for water surface reference. A screen of one-fourth inch mesh hardware cloth which rests one and one-half inches below the top of the pan serves to reduce evaporation to the equivalent of seasonal reservoir evaporation. Prior to 1938 these pans were set in the ground 34 inches and with water level maintained at about two inches below the top of the pan. For change of coefficient of reduction from evaporation pans to open water surfaces, refer to the District's 1951-52 and 1952-53 Biennial Report on Hydrologic Data under Evaporation Records.

The lake pans in use on San Gabriel and Cogswell Reservoir are 36 inches square and 18 inches deep with a six-inch wave baffle. The lake pan in use on Encino Reservoir is 30 inches square and 18 inches deep with a six-inch wave baffle. The pans are installed on rafts and are submerged to make the reservoir and water surface in the pan at about the same elevation. The water temperatures of the reservoir and in the pans are about the same.

A cooperative project is being carried on at Baldwin Park experimental station between the Department of Agriculture, United States Geological Survey, and the District.

There are three evaporation pans in use at this project: A land pan screened (as described above), a 24-inch diameter pan not screened, and a 72-inch diameter pan.

The Metropolitan Water District maintains and furnishes the District with records from a 72-inch diameter land pan located at Morris Dam.

The Los Angeles City Department of Water and Power maintains and furnishes the District records from the following:

Location	Type of Pan
Encino Reservoir	District Screened Land Pan
Encino Reservoir	U S W.B. Type A Land Pan
Encino Reservoir	30-inch Square Lake Pan
Van Norman Lake - Lower Dam	U.S.W.B. Type A Land Pan
Fairmont Reservoir	36-inch Square Land Pan
Stone Canyon Reservoir	District Screened Land Pan
Silver Lake Reservoir	U.S.W.B. Type A Land Pan
Silver Lake Reservoir	District Screened Land Pan
Lower Franklin Reservoir	District Screened Land Pan
Eagle Rock Reservoir	U.S.W.B. Type A Land Pan
Green Verdugo Pump Plant	U S W.B. Type A Land Pan
Bouquet Canyon Reservoir	36-inch Square Land Pan
Bouquet Canyon Reservoir	36-inch Square Land Pan - U.S.G.S. Type
Dry Canyon Reservoir	36-inch Square Land Pan - U.S.G.S. Type

RESPONSIBILITY

The field and office work pertaining to precipitation, snow pack, temperature, humidity, wind velocity and direction, barometric pressure and evaporation data was under the immediate supervision of Paul A. Haig, who is in charge of the Rainfall and Evaporation Section. Mr. Haig was assisted in the preparation of the data in this report by Ernest W. Godfrey, Hydrographer II.

All field and office procedure of this section was under the direction of Walter J. Wood, Chief, Hydraulic Division, from October, 1957 to April 30, 1958 and Maxwell F. Burke, Assistant Chief, Hydraulic Division from May 1, 1958 to September 30, 1959.

TABLE XI

EVAPORATION RECORDS IN INCHES

SEASONS 1957-58 1958-59

STA. NO.	STATION	TYPE GAGE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG	SEPT.	SEAS. TOTAL
							1957-58								
23	CHATSWORTH RESERVOIR	L-24S	3.12	3.18	4.30	3.07	1.87	2.20	2.80	4.54	5.76	6.49	6.53	6.95	50.81
33A'	PACOIMA DAM	L-24S	4.55	4.74	5.38	4.90	2.64	2.90	5.76	6.00	6.50	7.38	6.38	8.98	66.11
46D	BIG TUJUNGA DAM	L-24S	4.94	4.31	4.02**	4.37	2.43	2.21**	5.19	7.00	7.82	10.48	10.66	10.26**	73.69**
57B	OPID'S (CAMP HI HILL)	L-24S	2.10*	1.20*	.90*	.62#	#	#	2.90*	4.80*	6.38	7.22	7.85	6.52	40.49# *
63B	BIG SANTA ANITA DAM	L-24S	2.62	2.57	2.98	3.02	1.98	2.04**	3.46	3.62	4.15	4.76	4.06	5.36	40.62**
89	SAN DIMAS DAM	L-24S	2.76	2.11	1.69	2.01	1.22**	1.64	3.20	4.75	5.60	6.60	5.80	5.95	43.33**
96B	PUDDINGSTONE DAM	L-24S	2.82	2.08	2.21	1.96	1.41	1.82	2.71	3.73	4.97	5.43	5.04	5.04	39.22
124B	BOUQUET CANYON RESERVOIR	L-36	4.32	4.27	4.56	4.49	2.01	1.91	5.24	7.23	8.78	10.42	10.08	9.12	72.43
124B	BOUQUET CANYON RESERVOIR	F-36	4.22	3.93	3.90	3.42	1.44	1.67	3.75	5.28	6.88	8.09	7.78	8.32	58.68
127	DRY CANYON RESERVOIR	F-36	3.93	4.05	3.10	3.12	1.10	1.63	4.59	5.57	6.94	7.78	7.44	8.09	57.34
223B	BIG DALTON DAM	L-24S	2.38	1.64	1.20	1.57	1.01	1.17	2.82	4.38	5.87	6.50	5.76	5.29	39.59
237C	STONE CANYON RESERVOIR	L-24S	4.64	6.10	6.28	4.58	3.34	2.52	5.60	5.59	6.77	6.76	7.22	6.88	66.28
261B	ACTON - ESCONDIDO CANYON	L-24S	5.40	4.22	4.07	3.70**	1.76**	1.86	4.14**	7.62	10.01	12.25	11.74	9.64	76.41**
292B	ENCINO RESERVOIR	L-24S	3.90	3.00	2.33	2.54	2.10	2.16	4.54	6.58	7.86	8.59	7.70	8.50	59.90
292B	ENCINO RESERVOIR	L-A4B	4.59	3.65	3.30	3.40	3.05	3.07	6.25	7.39	8.49	9.33	8.46	9.71	70.69
293	VAN NORMAN LAKE - LOWER DAM	L-24S	5.40	6.18	7.22	6.12	1.96	2.87	7.18	6.89	7.32	8.57	8.23	10.50	78.44
321	PINE CANYON PATROL STATION	L-24S	4.82	3.70	3.10	3.45	1.95	2.36	4.92**	8.16	10.30	11.58	11.72	9.45	75.51**
334B	COGSWELL DAM	L-24S	3.90	2.74	2.32	2.94	1.94	2.33	4.21	7.23	8.72	10.46	9.30	9.14	65.23
334B	COGSWELL DAM	F-36	4.52	2.98	2.60	3.20	1.96	2.47**	4.69	8.10	9.29	10.88	9.68	10.06	70.43**
336	SILVER LAKE RESERVOIR	L-24S	3.80	3.00	2.16	2.41	3.72	2.77	5.05	6.08	6.94	7.80	7.02	6.51	57.26
336	SILVER LAKE RESERVOIR	L-A4B	4.29	3.30	2.71	3.16	4.26	3.21	7.05	7.39	8.59	8.73	8.04	7.44	68.17
347	BALDWIN PARK EXPERIMENTAL STATION	L-72	2.33	1.67	1.32*	1.00	2.28	1.70*	3.24*	5.69	6.15	7.73	6.25	5.00	44.36**
347	BALDWIN PARK EXPERIMENTAL STATION	L-24S	2.74	1.58	1.34*	.97**	2.56**	1.60*	2.30*	3.32	5.28	7.75	6.84	5.85	42.13**
347	BALDWIN PARK EXPERIMENTAL STATION	L-24	2.27	1.84	1.59*	1.24**	2.37	1.80*	3.44*	5.52	7.89	9.97	7.60	6.76	52.29**
390B	MORRIS DAM	L-72	3.35	3.19	3.44	2.48	1.66	2.09	3.79	6.18	7.64	8.35	7.84	7.74	57.75
407	NEMHALL R.S. U.S.F.S.	L-24S	3.20*	2.92**	3.04*	2.33**	1.02*	1.90*	3.06*	3.24	6.58	9.65	8.92	7.44	54.30**
425B	SAN GABRIEL DAM	L-24S	3.73	3.18	2.74	2.84	1.78	2.24	4.16	6.48	7.54	8.97	7.94	8.92	60.52
425B	SAN GABRIEL DAM	F-36	4.36	3.44	3.07	3.04	1.79*	2.34	3.79*	6.52*	7.76**	N.R.	INC.	9.22	INC.
425B	SAN GABRIEL DAM	L-24	5.07	4.00	3.60	3.88	2.28**	2.97	5.36	8.10	9.66	11.13	9.92	11.16	77.13**
441B	PALMDALE - COUNTY ROAD MAINTENANCE YARD	L-24S	6.30	3.05	1.66	3.06	2.64	3.31	5.07	11.74	13.09	15.18	14.26	10.79	90.15
542	FAIRMONT	L-36	4.76	3.54	2.54	2.91	2.66	3.11	6.88	10.51	12.86	15.29	15.32	11.20	91.58
794	LOWER FRANKLIN RESERVOIR	L-24S	4.52	3.86	2.44	3.14	2.25	2.48	4.57	6.61	7.91	8.40	8.52	6.94	61.64
802B	EAGLE ROCK RESERVOIR	L-A4B	4.11	3.65	3.40	3.77	3.25	2.95	5.96	6.80	7.84	8.28	7.55	7.19	64.75
1008	LA FRESA - S.C.E. CO.	L-24S	2.86	2.10**	1.66	1.67**	1.58**	2.54**	3.92	4.62	5.84	6.18	5.32	5.62	43.91**
1014D	RIO HONDO SPREADING GROUNDS	L-24S	2.88	1.85	1.80	1.84	1.28**	1.68	3.02	3.80	5.78	5.28	4.89	5.15	39.25**
1037	ARCADIA - ARBORETUM	L-24S	3.42	2.46	2.19	2.24	1.54	2.34	3.92	5.16	6.59	7.34	6.86	6.77	50.83
1071B	DESCANSO GARDENS	L-24S	3.73	3.08	2.56	2.78*	1.37*	2.30**	3.82**	5.05	6.28	7.68	7.44	7.45	53.54**
1087	GREEN VERDUGO PUMP PLANT	L-A4B	5.23	6.31	6.18	5.91	4.55	3.59	8.01	6.98	10.01	10.42	9.17	11.96	88.32
							1958-59								
23	CHATSWORTH RESERVOIR	L-24S	5.00	3.85	3.74	2.34	1.92	4.62	4.38	5.20	6.30	7.93	7.22	5.14	57.64
33A'	PACOIMA DAM	L-24S	7.62	5.66	6.20	4.40	3.20	6.20	5.12	4.97	6.06	7.02	6.60	5.22	68.29
46D	BIG TUJUNGA DAM	L-24S	8.46	5.54	5.80	3.88	2.86	6.58	5.92	5.82	8.72	10.06	10.05	7.66	81.37
57B	OPID'S (CAMP HI HILL)	L-24S	3.25**	1.02#	1.42	.83*	.15#	2.35	3.42**	4.20	6.85	8.15	7.64	4.38	43.56# **
63B	BIG SANTA ANITA DAM	L-24S	4.84	4.02	4.12	3.10	2.26	4.75	3.38	3.00	3.96	5.44	4.86	3.34	47.07
89	SAN DIMAS DAM	L-24S	4.62	2.94	2.69	1.96	1.76	3.85	3.85	4.12	5.88	7.56	6.88	4.40	50.51
96B	PUDDINGSTONE DAM	L-24S	4.42	3.02	2.89	1.86**	1.65	3.08	2.94	3.62	4.46	6.04	5.53	3.50	43.01**
124B	BOUQUET CANYON RESERVOIR	L-36	7.51	4.56	4.38	2.96	2.12	6.34	6.34	7.48	9.90	11.12	9.58	6.86	79.15
124B	BOUQUET CANYON RESERVOIR	F-36	6.54	4.34	3.77	2.40	1.54	4.98	4.46	5.66	7.92	8.70	8.90	6.19	65.60
127	DRY CANYON RESERVOIR	F-36	6.51	5.28	4.12	3.06	1.82	4.84	4.72	6.36	7.78	9.16	8.92	5.98	68.55
223B	BIG DALTON DAM	L-24S	4.12	2.46	2.48	1.68	1.44	3.56	3.64	3.75	5.44	7.26	6.54	4.08	46.45
237C	STONE CANYON RESERVOIR	L-24S	7.24	5.14	5.25	3.66	3.18	5.77	4.41	5.24	5.97	8.53	8.12	5.90	68.41
261B	ACTON - ESCONDIDO CANYON	L-24S	7.58	4.92	5.12	3.88	2.42**	5.56	5.64	7.28	11.08	12.72	12.13	8.36	86.69**
292B	ENCINO RESERVOIR	L-24S	6.10	4.10	3.66	2.91*	2.10	5.30	5.88	8.48	7.54	9.50	9.19	6.30	69.06**
292B	ENCINO RESERVOIR	L-A4B	7.11	5.00	4.56	3.43**	2.82*	5.88	6.42	6.66	8.24	10.53	9.71	7.15	77.51**
292B	ENCINO RESERVOIR	F-30	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	8.87**	8.31	10.56	10.35	7.17	INC.
293	VAN NORMAN LAKE - LOWER DAM	L-24S	8.54	7.14	8.32	5.76	3.04	8.43	8.40	7.13	7.52	9.47	8.78	6.60	87.13
321	PINE CANYON PATROL STATION	L-24S	6.97	4.74	4.88	3.45	2.38	6.15	6.95	8.65	11.92	13.58	12.75	7.68	90.10
334B	COGSWELL DAM	L-24S	6.82	4.24	3.68	2.66	2.19**	5.12	5.60	5.52	9.00	10.00	9.64	7.16	71.63**
334B	COGSWELL DAM	F-36	7.35	4.20	3.28*	2.41	2.48**	5.76	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	INC.
336	SILVER LAKE RESERVOIR	L-24S	5.10	3.82	2.58	2.27	2.60	4.06	3.60	6.12	6.35	8.14	7.56	5.81	58.01
336	SILVER LAKE RESERVOIR	L-A4B	5.79	4.36	3.09	2.95	3.17	5.67**	4.40	7.17	7.81	9.90	8.62	6.32	69.25**
347	BALDWIN PARK EXPERIMENTAL STATION	L-72	4.48	2.05	1.49**	1.37	1.11*	3.27	3.75**	4.91	5.43	6.65	6.71	4.31	45.53**
347	BALDWIN PARK EXPERIMENTAL STATION	L-24S	4.30	2.40	1.88	1.70	1.43*	3.49	3.59	5.18	6.52	8.20	7.70	5.18	51.57**
347	BALDWIN PARK EXPERIMENTAL STATION	L-24	4.71	2.97	2.06	2.23	1.93*	4.18	4.42	6.15	7.43	9.18	8.69	5.70	59.65**
390B	MORRIS DAM	L-72	5.96	3.95	3.74	4.33	1.78	4.64	4.88	5.22	7.12	9.06	8.46	5.78	64.92
407	NEMHALL R.S. U.S.F.S.	L-24S	10.88	3.53	N.R.	N.R.	N.R.	INC.	4.64	5.16	7.44	8.98	8.60	6.52	INC.
425B	SAN GABRIEL DAM	L-24S	6.78	4.52	4.48	3.12	2.25**	5.44	5.30	5.38	7.38	9.00	9.04	6.74	69.53**
425B	SAN GABRIEL DAM	F-36	7.00	4.86	4.17	3.09	2.54*	5.85	5.66**	6.28	8.01	10.06	10.13	7.17	74.82**
425B	SAN GABRIEL DAM	L-24	8.88	6.09	6.13	4.18	3.00**	7.28	6.89	6.94	9.49	11.32	10.92	7.59	88.71**
441B	PALMDALE - COUNTY ROAD MAINTENANCE YARD	L-24S	6.90**	3.98	3.35	2.22	2.30**	5.10	7.76	10.85	14.35	16.50	14.52	11.08	98.91**
542	FAIRMONT	L-36	7.73	4.46	3.96	3.55	2.39	7.05	9.57	11.07	15.64	18.24	15.77	10.66	110.09
794	LOWER FRANKLIN RESERVOIR	L-24S	6.81	5.00	4.42	3.71	4.88	5.12	6.04	8.96	7.42	9.82	8.90	6.96	77.04
802B	EAGLE ROCK RESERVOIR	L-A4B	6.34	4.59	4.00	3.93	2.93	6.81	5.71	6.00	7.24	9.74	8.31	6.16	71.76
1008	LA FRESA - S.C.E. CO.	L-24S	4.22	3.18	2.10	1.75	2.19	3.60	4.28	5.40	5.85	6.54	5.62	4.12	48.76
1014D	RIO HONDO SPREADING GROUNDS	L-24S	4.03	2.72	2.15	1.60**	1.66	3.35	3.82	4.35	5.20	7.00	6.35	4.58	46.61**
1037	ARCADIA - ARBORETUM	L-24S	4.99	3.08	2.68	1.98	1.58	4.10	4.10	4.80	5.66	7.54	7.58	5.26	53.35
1071B	DESCANSO GARDENS	L-24S	6.00*	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	INC.	8.44	7.33	5.26	INC.
1087	GREEN VERDUGO PUMP PLANT	L-A4B	9.87	6.48	8.54	6.23	4.47	9.21	7.65	6.49	9.58	11.66	10.17	7.00	97.35

LEGEND

L-24 LAND PAN 24" IN DIAMETER
L-24S LAND PAN 24" IN DIAMETER, SCREENED - F.C. TYPE
L-36 LAND PAN 36" SQUARE - U.S.G.S. TYPE
L-A4B LAND PAN 48" IN DIAMETER - U.S.W.B. TYPE A
L-72 LAND PAN 72" IN DIAMETER
F-36 FLOATING PAN 36" SQUARE - U.S.G.S. TYPE
F-30 FLOATING PAN 30" SQUARE

* ESTIMATE > 10% OF TOTAL
** ESTIMATE < 10% OF TOTAL
# RECORDS INCOMPLETE - PAN WATER FROZEN
INC. INCOMPLETE RECORD
N.R. NO RECORD
N.I. NOT INSTALLED

TABLE XII

EVAPORATION RECORDS IN INCHES

MONTHLY AND SEASONAL SUMMARY

FOR PERIOD OF RECORD

EVAPORATION AT VAN NUYS CITY WAREHOUSE

STATION #15

(U.S.W.B. TYPE "A" PAN)

	OCT.	NOV.	DEC.	JAN	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1930-31	3.22	2.80	1.94	2.15	1.93	4.47	3.98	4.38	5.32	6.26	4.74	3.31	44.60
1931-32	2.34	1.99	1.30	1.50	1.18	3.21	3.62	3.76	4.50	4.66	4.20	2.32	34 60
1932-33	2.23	2.53	1.12	.88	2.08	2.89	2.34	3.99	3.82	4.19	3.26	2.28	31 61
1933-34	2.07	2.04	1.34	1.71	1.51	3.05	3.79	3.91	2.52	4.46	4.15	3.53	34.08
1934 35	2.44	1.71	1.34	1.23	1.53	2.41	3.69	4.33	4.71	5.87	5.75	4.12	39.13
1935-36	2.56	1.04	1.34	1.57	.90	2.86	3.70	4.93	5.09	5.42	4.84	3.45	37.70
1936-37	2.06	1.92	1.24	1.00	.91	2.13	3.88	3.15	4.07	5.44	4.35	3.16	33.31
1937-38	2.04	.90	1 17	1.43	1.07	2.01	2.66	3.89	3.35	4.73	4.11	3.34	30.70
1938-39	1.92	2.32	1 43	1.28	1.61	1.88	2.69	3.13	4.05	4.74	3.87	3.78	32.70
1939-40	2.11	1.26	1.30	.87	1.34	2.09	2.54	3.54	3.55	5.27	4.12	3.04	31.03
1940-41	2.31	1.73	1.20	.87	.87	1.71	2.80	4.56	4.08	4.87	3.74	2.92	31 66
1941-42	2.05	1.57	.98	1.12	1.44	3.06	3.19	5.24	5.47	7.63	6.93	4.00	42.68
1942-43	2.72	1.64	1.21	1.25	1.32	1.78	3.30	5.54	5.67	6.65	6.47	5.18	42 64
1943-44	2.51	1.68	.82	.93	1.00	3.39	4.41	4.30	5.27	5.79	6.94	4.14	41.18
1944-45	2.24	1.88	1.00	1.05	1.46	1.98	4.76	5.17	4.18	6.54	6.10	4.70	40 24
1945-46	2.23	1.61	1.03	1.77	1.37	2.85	3.73	3.93	6.19	7.12	6.77	4.83	43.36
1946-47	3.15	1.32	.86	1.63	1.07	2.70	4.06	4.85	4.91	7.67	6.65	4.64	43.81
1947-48	2.34	1.91	1.36	1.37	1.84	2.50	4.23	5.33	5.22	7.10	DISCONTINUED		INC.

EVAPORATION AT CHATSWORTH RESERVOIR

STATION #23

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1931-32	7.48	5.24	3.69	4.10	3.30	5.90	7.24	7.62	8.41	10.10	10 35	7.36	80.79
1932-33	7.66	7.60	4.31	4.69	5.42	6.60	5.70	8.05	8.30	10 22	9.52	6.92	84.99
1933-34	6.69	8.12	2.50	5.46	2.56	5.48	7.92	9.40	6.68	10 42	9.55	8.68	83.46
1934-35	6.30	3.84	3.73	3.18	4.32	2.84	3.67	4.90	7.02	10 20	9.85	8.12	67.97
1935-36	7.69	4.86	4.58	4.98	2.17	4.74	5.14	8.42	9.54	10 62	10 17	8.46	81.37
1936-37	6.10	6.70	3.46	2.74	2.44	4.28	6.12	5.51	6.98	10.10	9.75	8.88	73.06
1937-38	6.42	3.88	5.26	5.87	2.62	4.54	5.78	7.68	7.94	9.60	9.72	8.96	78.27
1938-39	6.64	7.48	4.20	3.46	3.83	3.18	5.04	7.12	8.90	10 22	9.94 A	8.38	78.39
1939-40	7.47	3.64	3.42	1.96	2.67	3.70	4.68	7.59	8.20	11 35	10 12	7.68	72.48
1940 41	6.24	5.73	3.08	1.76	1.62	2.90	3.46	7.25	6.92	9.02	7.53	6.75	62.26
1941 42	5.61	4.38	2.48	3.28	3.20	5.16	3.48	6.62	7.75	10 55	9.08	6.96	68.55
1942-43	5.73	4.96	3.39	3.78	3.82	2.56	3.92	6.76	7.80	9.15	9.05	7.62	68.54
1943-44	5.60	5.39	4.34	3.80	2.56	5.72	5.10	5.22	6.08	7.98	9.80	7.15	68.74
1944-45	5.14	3.48	3.46	3.05	2.84	3.08	5.73	6.58	6.18	9.28	10 02	7.56	66.40
1945-46	4.86	4.38	2.34	4.26	2.85	3.40	3.95	4.35	7.85	8.95	8.80	7.58	63.57
1946-47	5.10	2.89	1.74	2.86	1.55	3.11	4.82	5.30	5.80	9.32	8.10	6.75	57 36
1947-48	4.39	4.58	3.48	4.35	3.24	3.72	4.28	6.08	6.10	8.80	7.65	7.42	63.29
1948-49	4.48	5.88	2.16	2.69	1.98	2.70	4.95	5.54	7.33	7.72	8.25	7.42	61 10
1949-50	5.52	4.20	3.06	1.78	1.78	3.35	4.72	5.48	6.70	8.10	7.92	5.08	57.69
1950-51	4.64	4.57	3.35	2.26	2.15	5.30	3.20	5.45	5.65	7.58	7.22	5.95	57.32
1951-52	5.18	3.60	2.42	1.86	3.13	2.92	2.75	5.53	5.55	7.55	7.30	6.45	54.24
1952-53	3.80	2.89	1.94	2.70	4.90	3.75	3.50	6.04	5.32	7.78	6.80	5.52	54.94
1953-54	5.60	3.25	5.80	1.78	4.39	2.63	3.00	4.64	5.76	7.71	6.40	5.64	56.60
1954-55	4.59	3.65	3.78	2.18	3.55	4.70	5.84	3.77	5.06	6.72	7.48	6.38	57.70
1955-56	3.92	3.31	1.52	1.18	2.33	4.88	2.66	4.09	5.69	6.51	6.30	6.20	48 59
1956-57	3.72	7.50	6.53	2.14	1.44	3.23	3.29	4.06	6.02	7.50	6.96	5.56	57.95
1957-58	3.12	3.18	4.30	3.07	1.87	2.20	2.80	4.54	5.76	6.49	6.53	6.95	50.81
1958-59	5.00	3.85	3.74	2.34	1.92	4.62	4.38	5.20	6.30	7.93	7.22	5.14	57.64

NOTE "A" AUGUST, 1939, SEE LEGEND

EVAPORATION AT NEWHALL

STATION #32C

	OCT	NOV.	DEC.	JAN.	FEB	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT	TOTAL
1931-32	6.30	4.14	2.82	3.52	2.49	5.29	7.11	6.30	9.01	11.42	10.30	8.28	76.98
1932-33	7.16	6.32	3.84	2.30**	3.48	4.12	5.40	7.46	8.14	10.38	10 32	7.27	76.19
1933-34	6.36	5.74	2.30	3.60	2.44	5.34	6.63	8.36	5.90	9.84	9.60	8.38	74.49
1934-35	6.24	3.93	3.16	2.58	3.98	3.75	4.70	6.83	8.90	9.70	9.48	8.08	71.33
1935-36	7.00	4.03	3.76	3.70	2.63	4.90	4.95	8.56	9.37	10 14	10 26	8.46	77.76
1936-37	6.10	5.71	3.23	2.00	2.14	3.36	6.32	5.84	7.52	8.54	9.60	8.38	68 74
1937-38	6.80	3.88	3.52	3.54	1.75	3.58	5.16	6.99	6.56	9.32	9.18	8.18	68.46
1938 39	6.54	6.30	4.18	3.27	3.62	4.28	6.27	7.48	7.96	9.32 A	9.57	8.40	77.19
1939-40	6.50	4.67	3.58	2.58	2.45	4.10	4.48	6.74	8.22	9.80	8.68	8.35	70.15
1940-41	6.90	5.24	2.62	1.28	1.20	2.65	3.62	6.72	6.79	8.30	7.22	6.52	59.06
1941 42	4.84	4.05	3.08	3.72	3.55	5.20	5.01	6.32	5.85	8.30	7.92	7.14	64.98
1942-43	4.72	4.78	3.45	2.79	2.86	2.86	3.56	5.84	6.36	7.06	7.97	7.74	59.99
1943-44	6.12	5.44	2.59	3.40	2.02	5.03	5.21	5.70	6.34	8.47	9.71	7.09	67.14
1944-45	5.44	3.40	3.57	2.82	2.68	2.36	5.32	7.02	6.87	9.88	9.40	7.92	66.68
1945-46	5.81	4.54	2.82	4.16	2.78	3.78	4.99	5.41	8.76	9.25	9.55	8.00	69.85
1946-47	4.27	2.22	1.20	1.90	2.15	2.65	3.58	5.08	6.12	8.82	7.45	6.14	51.58
1947-48	4.04	2.78	1.86	2.65	2.46	2.86	3.90	5.98	6.14	8.02	7.69	6.57	54.95
1948-49	3.60	3.17	1.41	1.38	1.34	2.20**	4.10	4.54	6.74	7.92	7.54	5.96	49.90**
1949-50	4.50	2.81	1.76	1.51	1.88	3.43	4.76	5.52	6.82	8.40	8.17	5.08	54.64
1950-51	4.31	3.35	2.26	1.66	2.02	3.60	3.78	5.41**	6.69	8.24**	7.82	6.23**	55.37**
1951 52	5.43	3.04	1.77	1.74	2.43	2.58	3.18	5.84	5.70	7.49	7.90	6.88	53.98
1952-53	5.13	2.54**	1.84**	1.79	3.48	4.00	4.11	5.65	4.93	6.72	7.34	5.50	55.39**
1953-54	5.78	3.12	8.00*	3.64*	2.96	2.61	3.66	5.20	5.93	8.10	7.13	6.46	62.58**
1954-55	5.18	3.06	2.56	1.62	2.30	3.42	4.98	3.55	2.52	3.14	DISCONTINUED		INC.

NOTE: "A" JULY, 1939, SEE LEGEND

STATION #407

1954-55	N.I.	N.I.	N.I.	N.I.	N.I	N.I.	N.I.	N I.	N.I	N.I.	8.28**	8.22**	INC.
1955-56	5.28	3.46	2.20*	1.15	2.12	4.46	2.53	4 01	7.40	9.24	8.35	8.48	59.68**
1956-57	4.77	5.52	4.12	2.20	1.80	2.86	4.38	4.57	8.41	9.76	10.04	7.38	65.81
1957-58	3.20*	2.92**	3.04*	2.33**	1.02*	1.90*	3.06*	3.24	6.58	9.65	9.92	7.44	54 30**
1958-59	10 88	3.53	N.R.	N.R.	N.R	INC.	4.64	5.16	7.44	8.98	8.60	6.52	INC.

EVAPORATION AT PACOIMA DAM

STATION #33A'

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1930-31	6.07	7.10	4.48	2.72	2.98	7.61	6.50	5.18	6.85	9.54	8.58	8.64	76.23
1931-32	7.28	5.93	2.51	2.33	1.92	5.44	6.56	5.28	7.82	9.28	9.04	7.83	71.22
1932-33	7.29	7.81	3.36	3.42	4.32	5.64	4.94	5.72	6.21	9.12	8.10	6.74	72.67
1933-34	6.90	7.28	3.46	4.62	2.79	4.99	6.02	6.27	3.68	7.70	7.26	7.69	68.66
1934-35	6.20	3.74	3.33	2.28	3.12	2.78	3.16	3.80	4.72	6.78	7.42	6.66	53.99
1935-36	5.81	4.29	3.61	3.34	1.93	4.22	4.53	5.51	5.52	6.70	7.11	7.98	60.55
1936-37	5.56	5.65	3.08	.74#	1.94	3.82	5.40	3.92	4.85	7.17	6.58	6.99 A	55.70
1937-38	5.59	3.26	3.04	3.18	1.84	3.22	4.22	3.96	3.92	6.09	6.70	7.48	52.50
1938-39	6.75	5.90**	5.74	4.67	4.23	4.27	6.22	6.33	8.12	8.88	8.06	7.76	76.93**
1939-40	8.75	6.84	6.18	2.96	3.41	4.87	4.68	6.38	6.69	10.16	7.40	6.93	75.25
1940-41	7.12	7.00	4.58	2.80	2.36	3.93	3.79	7.15**	5.65	8.64	8.84	6.08	65.74**
1941-42	5.74	6.41	3.39	4.74	4.16	5.86	2.96	5.96	6.72	8.19	6.82	6.40	67.35
1942-43	5.49	5.78	4.51	4.73	4.02	2.80	3.66	6.38	6.80	7.26	6.91	7.27	65.61
1943-44	5.30	5.82	3.42	3.96	2.35	5.02	4.11	4.24	4.22	6.28	7.08	4.65	56.56
1944-45	4.55	2.97	3.98	3.11	2.64	3.16	4.30	4.58	3.32	5.64	7.56	8.30	54.11
1945-46	5.98	6.17	4.71	6.67	4.30	4.90	4.94	4.00	7.79	9.20	9.50	9.00	77.16
1946-47	6.87	4.34	4.33	5.56	3.90	4.36	5.16	5.40	5.21	10.24	8.12	7.98	71.49
1947-48	5.86	5.94	5.06	6.52	4.69	4.96	4.60	5.92	5.08	8.62	8.70	9.46	75.41
1948-49	6.12	8.70	4.18	3.66	3.22	3.36	5.21	5.10	6.33	6.96	8.51	8.97	70.32
1949-50	7.31	7.76	5.69	3.44	3.59	5.18	5.40	5.24	6.63	7.92	8.62	5.84	72.62
1950-51	7.49	8.06	6.51	4.36	4.02	6.22	3.73	5.86	6.01	7.98	8.06	7.52	75.82
1951-52	8.62	6.86	4.26	3.48**	4.88	3.44	4.08	6.15	5.12	8.58	8.68	10.14	74.29**
1952-53	7.48	5.12	4.14	5.17	6.94	5.51	3.96	6.76	5.30	8.48	9.12	7.90	75.88
1953-54	8.60	6.19	8.00	3.64**	5.64	3.54	3.52	4.11	4.85	7.60	7.08	8.40	71.17**
1954-55	6.90	6.54	5.80	3.40	4.80	5.26	6.26	4.26	5.08	7.05	8.98	9.08	73.41
1955-56	5.98	5.20	2.80	2.98	3.39	6.00	3.45	4.42	6.85	7.18	7.38	9.28	64.91
1956-57	5.06	8.58	6.90	3.38	2.48	4.26	4.03	3.92	6.55	8.80	8.50	6.95	69.41
1957-58	4.55	4.74	5.38	4.90	2.64	2.90	5.76	6.00	6.50	7.38	6.38	8.98	66.11
1958-59	7.62	5.66	6.20	4.40	3.20	6.20	5.12	4.97	6.08	7.02	6.60	5.22	58.29

NOTE:- 8/16/45 PAN MOVED 150' EAST AS TREES WERE SHADING PAN
"A" SEPTEMBER 1937, SEE LEGEND

EVAPORATION AT BIG TUJUNGA DAM

STATION #46D

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1931-32	6.00	3.30	.52	.48	.68	5.42	5.95	6.22	8.22	10.60	9.98	8.68	65.85
1932-33	7.08	6.40	2.68	2.12	3.90	5.36	4.94	5.85	8.48	10.85	9.32	7.88	74.87
1933-34	6.78	5.22	1.80	3.12	2.40	5.20	6.45	7.58	6.06	9.28	8.72	6.94	69.56
1934-35	5.32	2.83	1.90	1.58	2.35	2.45	2.95	4.50	6.95	8.00	7.50	7.00	53.33
1935-36	5.68	2.98	2.58	2.45	1.25	4.02	4.35	6.90	7.65	8.80	9.25	7.58	63.48
1936-37	5.18	3.88	1.65	.58	1.28	2.65	4.50	5.20	7.22	9.18	9.02	8.32	58.66
1937-38	5.92	3.42 A	2.82	2.52	1.52	2.08	3.66	5.44	7.15	9.18	9.22	8.03	60.98
1938-39	5.96	5.56	2.88	2.07	2.51	3.00	4.80	5.92	8.92	9.68	9.86	6.70	67.85
1939-40	4.88	3.88	2.58	1.70	1.92	3.33	4.01	6.12	8.82	10.78	10.15	7.58	65.73
1940-41	6.06	3.86	1.91	1.47	1.08	2.24	2.52	6.72	9.38	10.25	10.55	9.80	63.85
1941-42	6.86	6.92	2.76	4.20	4.30	6.69	4.08	8.02	9.42	15.08	13.82	12.12	94.27
1942-43	8.48	6.68	5.06	4.44	4.29	3.61	5.98	9.38	10.58	13.05	12.92	13.12	97.59
1943-44	9.35	6.78	2.20	3.61	2.13	5.32	5.42	6.28	6.94	10.98	12.29	8.88	80.18
1944-45	7.05	3.30	3.92	3.54	3.09	3.32	6.75	7.45	7.55	11.30	12.36	11.48	81.11
1945-46	7.88	5.68	3.50	6.40	4.44	4.56	6.54	7.00	12.30	13.75	14.78	13.15	99.98
1946-47	6.17	3.52	3.16	5.05	3.41	3.96*	5.88	7.52	8.12	14.18	11.12	9.87	81.96**
1947-48	7.48	6.20	4.13	5.70	3.65	3.98	4.88	6.98	7.50	12.28	12.65	11.50	86.93
1948-49	7.68	7.48	3.24	2.60	2.44	3.14	6.68	7.21	9.70	11.25	12.45	11.97	85.84
1949-50	7.35	3.42	4.02	2.57	3.82	5.58	6.44	7.40	8.92	11.62	13.15	8.66	82.95
1950-51	8.84	6.80	5.78	3.80	4.00	6.36	5.19	8.06	9.50	12.08	12.40	12.55	95.36
1951-52	9.18	5.08	3.14	2.27	4.34	3.09	4.92	9.12	8.28	12.60	12.68	11.12	85.82
1952-53	10.10	4.80**	3.20	4.36	5.97	5.38	5.33	7.63	8.62	12.02	12.42	11.00	90.83**
1953-54	9.02	5.65	6.27	3.28**	5.42	3.70	5.96	7.62	9.02	12.38	10.55	11.60	90.47**
1954-55	9.20	6.35	4.43	3.09	4.26	5.38	7.07	6.16	8.55	10.72	12.16	11.72	89.09
1955-56	8.75	5.20	2.60	3.14	3.50	6.92	4.44	5.92	8.75	11.25	11.75	12.03	84.25
1956-57	6.50	8.52	6.68	2.34	2.58	4.14	4.98	4.62	9.82	12.70	11.88	10.02	84.78
1957-58	4.94	4.31	4.02*	4.37	2.43	2.21**	5.19	7.00	7.82	10.48	10.66	10.26**	73.69**
1958-59	8.46	5.54	5.80	3.88	2.88	6.58	5.92	5.82	8.72	10.06	10.05	7.66	81.37

NOTE: "A" NOVEMBER 1937, SEE LEGEND

EVAPORATION AT OPID'S CAMP

STATION #57B

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1931-32	2.14	1.38#	1.78#	#	#	1.82	3.31	4.30	5.37	7.94	7.68	5.45	41.17#
1932-33	3.06	2.02	.26#	#	#	.01#	2.46	3.48	4.96	6.92	6.72	5.10	34.97#
1933-34	2.98	8.55	.10#	2.05#	2.70#	.92	3.81	5.26	5.22	6.84	6.50	2.24	47.18#
1934-35	1.71	1.20	.24#	.02#	.12#	.28#	1.82	2.62	4.48	5.58	5.32	4.20	27.59#
1935-36	5.56	2.19	.70#	1.28#	.62#	2.05#	2.66#	5.48	6.05	8.05	7.31	6.20	48.15#
1936-37	3.89	2.29	.66#	#	#	1.32	2.95	6.04	8.34	10.66	11.21	7.91	55.27#
1937-38	4.94	1.90	1.30#	.98#	.28#	1.05#	3.12	5.14	7.19	8.83	8.08	5.45	48.26#
1938-39	2.25	1.84	.94	.24#	#	.78#	4.28	5.74	7.68	8.00	8.04 A	3.84	43.63#
1939-40	2.29	1.12	.60#	.15#	.26#	1.62#	2.54	5.13	6.82	8.40	8.09	4.43	41.46#
1940-41	2.55	1.10	.30#	.04#	.09#	.79#	1.96	5.42	5.86	7.40	5.96	3.98	35.44#
1941-42	3.21	2.90#	.12#	.34#	.24#	1.38	.78	4.79	6.60	8.56	6.78	5.86	38.95#
1942-43	2.22	.57	.40	.14#	.12#	.86	2.40	5.28	6.20	8.22	7.93	6.02**	40.36# **
1943-44	3.08	1.68	.26#	.22#	.03#	1.52#	3.44	5.27	5.07	6.72	7.81	5.77	40.87#
1944-45	2.87	.42	.42#	.06#	.40#	.32#	4.18	5.34	6.34	9.10	7.65	6.20**	43.30# **
1845-46	2.61	.82#	.42#	.32#	.18#	.20#	3.52	4.20**	7.30**	8.70	9.20	4.72	43.19# **
1946-47	1.96	.40	.65#	.04#	.32#	1.20**	2.72	N.R.	N.R.	N.R.	N.R.	5.02	INC.
1947-48	2.42	1.18	.57#	.78#	.14#	.63	2.02	4.17	4.96	7.34	7.68	5.94	37.83#
1948-49	2.57	2.10	.34#	#	#	.85#	3.94	4.42	5.92	7.71	7.43	6.78	42.06#
1949-50	3.57	1.65	.20#	#	.46#	2.12	3.84	5.44	7.38	8.38	9.09	5.28	47.42#
1950-51	3.26	1.50	1.02	.30#	.33#	1.53#	2.37	5.14	6.88	8.63	8.78	6.90	46.64#
1951-52	3.66	.90#	#	#	.30#	.25#	2.39	6.58	5.82	8.06	9.32	5.28	42.56#
1952-53	3.64	.56#	.07#	.57#	.70#	1.44#	2.62**	4.34**	5.95	9.30	8.12	6.73	44.04# **
1953-54	3.64	.96	1.40#	1.40#	1.04# **	.92#	3.64	5.44**	6.50	8.33	7.36	5.80	45.17# **
1954-55	3.74	1.04	.40#	#	#	1.08#	3.50	3.86	6.55	7.26	8.30	7.80	43.53#
1955-56	4.60	1.39#	.12#	.22#	.10#	2.67#	1.02#	4.20	7.58	8.13	7.60	6.15	43.78#
1956-57	2.32	2.12	2.42	.08#	.73**	1.58**	2.80	3.10**	6.40	8.30	6.75	4.68	41.28# **
1957-58	2.10*	1.20*	.90*	.62#	#	#	2.90*	4.80*	6.38	7.22	7.85	6.52	40.49# *
1958-59	3.25**	1.02#	1.42	.83*	.15#	2.35	3.42**	4.20	6.85	8.15	7.64	4.38	43.56# **

NOTE: "A" AUGUST 1939, SEE LEGEND

EVAPORATION AT BIG SANTA ANITA DAM

STATION #638

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT	TOTAL
1929-30	5.40	5.38	4.40	1.60	2.00*	2.96	5.24	4.67	6.26	9.40	8.48	6.28	62.08**
1930-31	6.98	6.29	5.99	3.56	2.45	5.95	4.82	4.56	6.10	7.82	6.98	6.88	68.38
1931 32	5.18	3.86	2.68	3.04	2.38	4.34	5.47	4.64	5.54	6.88	7.64	5.56	57.21
1932-33	5.93	6.60	3.49	3.54	3.41	4.81	4.42	4.37	5.50	5.99	5.36	4.15	57.57
1933-34	4.12	4.81	2.66	3.38	2.01	3.72	3.70	4.16	2.84	4.46	4.44	4.62	44 94
1934-35	6.40	4.28	4.08	3.28	4.41	3.47	3.73	4.46	6.14	9.02	9.20	7.26	65.73
1935-36	6.71	5.18	4.58	4.28	2.35	4.78	4.62	6.97	7.36	8.36	8.32	7.74	71 25
1936-37	6.09	6.54	3.94	1.99	2.38	4.04	5.26	4.68	5.24	7.90	8.08	7.55 A	63.69
1937-38	6.02	3.73	4.22	3.96	2.49	3.00	3.71	4.97	4.44	6.10	7.00	7.00	56.04
1938-39	5.15	4.72	2.77	2.30	2.05	2.28	3.82	4.48	5.89	6.28	6.47	6.26	52.47
1939-40	5.87	4.74	4.04	2.06	2.48	3.72	3.31	5.00	5.06	7.68	6.34	6.06	56,36
1940-41	5.31	4.74	3.47	2.38	1.66	3.26	2.78	5.01	4.32	6.28	5.38	5.30	49 89
1941 42	4.62	5.20	2.40	3.10	2.85	4.22	2.28	3.94	3.42	6.33	5.22	5.46	49.04
1942-43	4.58	4.19	3.70	3.67	2.70	1.88	2.68	4.94	5.26	6.38	6.48	6.30	52.76
1943-44	4.77	4.92	2.17	2.61	1.77	3.42	3.70	3.67	3.37	5.48	6.92	5.02	47.82
1944 45	3.82	2.50	3.50	3.46	2.02	2.04	3.67	3.94	2.58	5.10	6.25	5.30	44 18
1945 46	3.56	4.42	3.06	4.24	3.15	3.08	3.30	2.60	5.92	6.08	5.80	5.38	50.59
1946-47	3.93	2.87	2.88	3.72	2.82	2.94	3.20	2.68	3.40	7.84	6.28	5.16	47.72
1947-48	3.88	4.20	3.50	4.78	3.29	2.94	3.11	3.76	3.39	5.76	5.30	5.14	49.05
1948 49	3.63	4.48	2.70	2.00#	1.71	2.36	3.90	3.35	4.54	4.87	5.95	5.90	45.39#
1949 50	4.86	6.09	4.00	2.24	2.42	3.11	3.29	2.80	4.12	5.34	5.90	3.83	48 00
1950-51	5.52	4.66	4.71	2.92	3.02	4.24	2.24	3.27	3.66	5.04	5.02	4.54	48.84
1951 52	5.18	3.44	2.42	2.18	3.50	2.52	2.25	4.30	3.68	5.46	5.54	5.82	46 29
1952-53	4.28	3.08**	2.56**	3.52	4.46**	3.46**	2.64	4.72	3.94	6.02	5.60	4.79	49.07**
1953-54	5.67	3.97	4.38	2.42**	4.36**	3.02**	2.34	2.82	3.42	5.30	4.60	5.23	47.53**
1954-55	4.44	3.77	3.49	2.60	3.38	3.44	4.18	2.54	3.38	4.26	5.15	5.84	46.47
1955-56	3.30	3.20	1.67	2.24	2.47	4.03	2.20	2.96	4.10	4.47	4.51	5.64	40.79
1956-57	3.16	5.12	4.16	2.05	1.60	2.59	2.69	2.42	3.90	5.24	5.64	3.94	42.51
1957-58	2.62	2.57	2.98	3.02	1.98	2.04**	3.46	3.62	4.15	4.76	4.06	5.36	40 62**
1958-59	4.84	4.02	4.12	3.10	2.26	4.75	3.38	3.00	3.96	5.44	4.86	3.34	47.07

NOTE: "A" SEPTEMBER 1937, SEE LEGEND

EVAPORATION AT SAN DIMAS DAM

STATION #698

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1934-35	7.28	2.98	1.68	.64	.58	.65	.64	1.25	2.78	3.02	4.87	5.39	31 76
1935-36	5.22	3.23	1 94	1.86	.78	2.63	2.62	4.42	5.31	6.26	7.26	7.01	48.54
1936-37	5.36	3.79	1 54	.34#	.90	2.04	2.80	3.27	4.75	7.71	8.46	7.72 A	48.68#
1937 38	6.64	2.85	2 84	1.58	48	.94	1.79	1.54	1.94	3.26	4.46	5.25	33.57
1938-39	3.88	4.46	1.88**	.60	.61	.60	.97	.98	1.82	5.70	4.88	3.94	30.13**
1939-40	4.64	4.26	2.84	1.34**	.90**	1.70**	1 40*	2.58	4.48	7.00	7.75	7.80	46.49**
1940 41	7.96	5.84	3.82	1.74	2.44	2.69	2 80	6.09	4.64	8.85	8.40	8.22	63.49
1941-42	5.74	4.96	2.27	2.72	1.66	2.46	2.02	3.85	5.38	9.20	9.45	7.42	57.13
1942-43	6.20	5.40	2.82	1.80	1.20	.96	1 44	4.48	6.12	8.40	8.85	8.85	56.52
1943-44	6.02	3 70	1.52	1.35	.97**	1.02	1 40	2.85	4.36	6.28	7.35	5.50	42.52**
1944-45	4.42	1 92	1.42	1.08	.66**	.45	1.92	1.85	3.52	7.65	7.82	7.20	39.91**
1945-46	4.00	1 96	.72	1.50	.80	1.32	2.20	1.22	6.38	6.45	6.65	6.55	39.75
1946-47	2.28	1 38	.86	1.50	1.60	1.41**	1.96	2.52	4.94**	8.95	7.05	6.25	40.70**
1947-48	2.18	2.32	1.76	3.95	1.98**	1.98	2.34**	3.69	5.24	7.66	7.71	7.12	47.93**
1948-49	4.44	3.88	1.44	.88	1.06	1.97	3.50	4.17	6.18	7.48	7.69	6.23	48.92
1949-50	4.42	3.44	1.96	1.10	1.50	2.75	3.42	4.28	6.16	7.60	7.74	5.04	49 41
1950-51	5.14	3.26	2 51	1 65	1.95	3.56	2.82	5.45	5.88	7.52	7.92	6.08	53.74
1951-52	4.98	2.48	1 42	1 15	2.06	2.12	2.56	5.88	5.67	8.10	8.12	6.56	51.12
1952-53	4.78	2.11**	1 28	1.48	2.89	3.04	2.98	5.46	5.59	8.27	8.06	6.43	52.37**
1953-54	4.82	2.74	2.90	1.46	2.72	2.22	2.98	4.50	5.01	7.67	6.54	6.35	49.91
1954-55	4.54	2.69	1.92	1.28	2.18	3.08	4.34	3.67	5.28	6.69	7.42	7.04	50.13
1955-56	3.92	2.43	1.16	1.44	1.74	3.76	2.97	3.96	6.05	6.93	6.97	6.45**	47.78**
1956-57	3.09	3.34	2.38	1.39	1.22	2.16	2.96	3.11	5.12	7.40	7.44	5.42	45.23
1957-58	2.76	2.11	1.69	2.01	1.22**	1.64	3.20	4.75	5.60	6.60	5.80	5.95	43.33**
1958-59	4.62	2.94	2.69	1.96	1.76	3.85	3.85	4.12	5.88	7.56	6.88	4.40	50.51

NOTE: "A" SEPTEMBER 1937, SEE LEGEND

EVAPORATION AT PUDDINGSTONE DAM

STATION #966

	OCT	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1929-30	7.90	7.73	5.32	2.28	2.76	3.60	4.52	4.64	6.73	11.65	10 52	7.37	75.03
1930-31	7.43	3.30	5.24	3.25	1.67	5.78	5.27	5.86	7.29	10.17	9.16	8.66	73.08
1931-32	6.04	3.74	2.32	2.24	1.60	4.20	5.47	5.50	6.65	9.42	9.30	6.70	63.18
1932-33	6.53	6.76	3.38	3.30	3.88	5.32	5.18	6.16	7.25	10.06	9.38	6.58	73.78
1933-34	6.99	7.32	4.18	4.10	2.68	4.44	4.74	8.82	6.39	9.99	9.67	8.55	77.87
1934-35	6.46	3.67	3.50	2.72	2.65	3.32	3.84	5.73	6.72	9.48	9.84	7.68	65.61
1935-36	6.68	5.19	4.35	3.96	2.46	3.87	4.66	7.61	8.60	10.10	10.78	9.24	77.50
1936-37	7.38	6.72	3.91	2.35	2.15	3.33	5.50	5.76	7.58	10 24	9.72	8.95	73.59
1937-38	6.96	4.33	3.88	3.52	2.18	3.00	3.82	4.82	6.50	9.30	9.76	8.88	66.95
1938-39	7.41	6.34	4.26	3.00	3.37	2.98	5.02	5.85	8.58	10.12	8.64	7.64	73.21
1939-40	6.33 A	4.42	3.86	2.03	2.60	3.69	3.80	4.45	4.79	7.30	8.30	6.94	58.51
1940-41	6.28	4.92	5.02	3.72	2.58	3.66	3.65	5.95	5.95	8.34	7.78	5.62	64 07
1941 42	5.32	5.28	3.36	3.98	3.08	4.10	2.88	4.30	5.02	7.75	8.40	6.52	59.99
1942-43	6.08	4.30	3.72	3.38	3.30	2.95	3.78	5.68	7.25	8.72	7.38	7.42	63.96
1943-44	5.60	4.92	2.02	2.12	1.96	2.87	3.52	4.30	4.99	6.91	8.00	5.98	53.19
1944-45	4.52	2.60	3.16	2.55	2.08	2.06	3.30	5.48	4.88	7.43	7.54	7.12	52.72
1945-46	4.36	4.12	2.92	3.54	2.14	2.91	3.50	3.92	7.55	8.45	8.72	7.52	59.65
1946-47	4.56	2.62	2.18	2.66	2.40	2.68	3.52	3.98	4.70	8.28	7.32	5.86	50.76
1947-48	4.28	3.52	2.80	3.22	2.83	2.73	3.16	4.87	4.96	7.44	6.39	5.98	52.18
1948-49	4.00	4.21	2.33	2.05	1.40	2.18	3.42	4.20	5.86	6.14	6.61	5.88	48.28
1949-50	4.36	3.97	2.78	1.62	1.42	2.14	3.01	3.58	5.22	6.22	6.72	4.32	45.36
1950-51	5.36	3.47	3.12	2.52	2.22	3.37	2.33	3.88	4.76	6.60	6.51	5.28	49.37
1951-52	5.02	3.36	2.29	1.84	2.72	2.58	2.66	4.85	5.02	6.72	7.02	6.72	50.80
1952-53	4.59	3.66**	2.52	2.54	4.40	3.40	3.30	5.74	5.20	7.47	6.96	5.90	55.68**
1953-54	6.04	3.98	4.34	2.38	3.86	3.30	3.33	4.98	5.70	7.58	6.40	5.67	57.56
1954-55	3.76	2.79	2.38	1.84	2.70	2.98	4.10	3.34	4.62	5.55	5.68	5.90	45.84
1955-56	3.46	3.25	1.72	1.78	1.84	3.48	2.48	3.83	5.25	5.45	5.38	5.50	43.42
1956-57	3.45	4.32	2.87	1.66	1.20	1.88	2.52	3.00	4.80	6.40	6.16	4.32	42.58
1957-58	2.82	2.08	2.21	1.96	1.41	1.82	2.71	3.73	4.97	5.43	5.04	5.04	39.22
1958-59	4.42	3.02	2.89	1.86**	1.65	3.08	2.94	3.62	4.46	6.04	5.53	3.50	43 01**

NOTE: "A" OCTOBER 1939, SEE LEGEND

EVAPORATION AT BIG DALTON DAM

STATION #223B

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1930-31	10.22	9.17	5.84	4.66	3.86	8.86	7.74	8.02	9.80	12.76	11.97	11.18	104.06
1931-32	7.32	5.08	3.02	3.21	2.71	6.02	7.20	7.15	8.41	11.02	11.84	8.88	81.82
1932-33	6.78	7.88	3.10	4.25	4.35	6.47	5.51	6.60	9.39	10.92	10.22	7.78	83.25
1933-34	8.03	7.99	3.22	4.52	2.84	6.42	7.08	9.42	6.76	12.15	11.36	11.02	90.81
1934-35	7.02	3.77	3.52	2.87	4.16	3.25	4.42	5.72	8.30	10.45	10.42	7.82 A	71.72
1935-36	6.50	4.12	3.28	2.88	1.85	4.05	4.10	7.00	8.24	9.32	9.55	8.45	69.34
1936-37	6.22	5.00	2.92	1.50	1.92	3.28	5.75	5.00	6.60	9.40	9.40	8.25	65.24
1937-38	6.98	3.80	3.22	3.40	2.65	2.12	2.65	3.45	6.08	8.95	8.80	7.53	59.66
1938-39	5.28	4.65	4.08	2.98	3.48	2.48	3.55	4.28	6.32	7.70	7.88	6.98	59.62
1939-40	4.85	3.79	2.82	1.55	2.25	3.22	2.65	5.58	6.40	9.85	8.42	6.78	58.12
1940-41	5.02	2.75	1.74	1.45	.78	1.88	2.55	5.18	5.22	8.50	6.32	5.65	17.04
1941-42	4.00	3.35	1.55	1.72	2.30	3.25	2.22	4.80	4.80	9.48	8.18	6.55	52.20
1942-43	4.72	4.48	3.83	3.34	2.80	1.73	3.20	5.37	6.12	8.88	8.30	7.96	60.73
1943-44	5.06	4.75	1.81	1.10	1.43	3.50	3.06	3.23	3.38	6.51	9.71	7.13	50.69
1944-45	3.99	.86	1.14	3.10	2.02	.64	2.88	2.63	2.91	6.78	6.81	5.01	38.77
1945-46	4.98	1.04	.74	1.30	.55	.90	1.46	1.60	6.14	8.28	8.69	6.26	41.94
1946-47	4.15	2.23	1.30	2.73	2.04	1.36	2.32	4.26	4.28	9.00	7.14	5.99	46.80
1947-48	4.17	3.78	2.94	3.20	2.83	2.10	3.12	3.74	4.32	5.70	7.49	6.89	51.28
1948-49	3.40	2.92	.98	1.18	1.38	1.37	3.38	3.38	5.93	7.05	6.80	8.72	44.49
1949-50	4.22	3.02	1.60	.86	1.51	2.76	2.71	3.74	5.88	7.40	5.79	5.14	45.83
1950-51	4.93	3.04	2.22	1.40	1.85	3.07	2.58	3.85	4.88	7.37	6.94	6.63	48.77
1951-52	4.83	2.31	1.46	1.08	2.01	2.07	2.36	5.62	5.48	7.81	7.80	6.10	48.93
1952-53	4.64	2.08	1.17**	1.50**	2.27	2.81	2.70	4.58	4.62	7.05	6.77	5.43	46.62**
1953-54	4.41	2.31	2.52	1.37	2.46**	2.42	2.73	3.98	4.47	6.64	6.14	5.70	45.15**
1954-55	4.04	2.35	1.55	1.33	2.06	2.74	3.96	3.16	4.36	5.94	6.78	6.36	44.63
1955-56	3.76	2.28	1.02	1.08	1.68	3.10	2.63	3.34	5.27	6.10	6.06	5.96	42.28
1956-57	3.07	2.91	2.06	.96	1.06	1.88	2.72	2.84	4.41	6.80	7.14	5.26	41.15
1957-58	2.38	1.64	1.20	1.57	1.01	1.17	2.82	4.38	5.87	6.50	5.76	5.29	39.59
1958-59	4.12	2.46	2.48	1.68	1.44	3.56	3.64	3.75	5.44	7.26	6.54	4.08	46.45

NOTE: "A" SEPTEMBER 1935, SEE LEGEND

EVAPORATION AT ACTON - ESCONDIDO CANYON

STATION #261B

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1931-32	6.81	4.32	2.18	2.64	1.94	5.88	6.92	7.80	10.18	13.38	13.98	10.94	86.97
1932-33	7.89	6.49	3.13	3.04	4.42	6.26	6.86	7.10	10.19	12.78	12.29	10.08	90.53
1933-34	8.10	7.46	3.95	4.62	3.54	7.18	9.00	10.90	9.23	13.80	13.43	10.35	101.56
1934-35	7.71	4.56	3.92	2.94	3.99	4.01	5.38	8.02	11.80	13.00	11.67	10.24	87.24
1935-36	7.80	5.54	4.63	4.75	2.21	6.00	6.53	10.12	11.34	13.04	13.22	10.82	96.01
1936-37	6.96	6.74	3.51	1.80	2.66	4.35	6.36	7.62	9.94	13.26	13.54	10.58 A	87.32
1937-38	7.92	4.62	4.30	4.36	2.35	3.24	5.62	7.32	9.26	11.86	11.62	9.51	81.98
1938-39	6.96	7.12	3.91	3.02	3.32	3.96	6.24*	8.02	10.77	12.50	13.09	7.59	86.50**
1939-40	7.08	4.62	4.22	2.38	2.62	4.52	5.82	9.20	11.15	13.94	13.25	8.82	87.62
1940-41	6.64	5.28	3.56	2.30	2.10	3.57	4.22	8.32	9.60	12.22	10.32	9.04	77.23
1941-42	5.77	4.80	2.51	3.33	3.24	5.29	4.40	7.84	10.12	13.40	11.72	9.20	81.62
1942-43	6.78	4.63	3.74	3.46	3.54	3.16	4.94	8.58	9.16	10.51	10.88	9.33	78.71
1943-44	6.42	5.14	2.84	2.92	2.13	4.98	6.05	7.72	7.91	11.64	11.10	8.73	77.58
1944-45	6.77	3.34	3.86	3.27	2.70	2.92	5.81	8.30	8.63	12.68	11.90	9.02	79.20
1945-46	5.93	4.56	3.13	4.42	3.59	4.28	5.72	6.98	11.23	11.96	12.76	9.70	84.26
1946-47	5.80	3.02	2.14	3.02	2.74	3.42	5.10	7.85	8.32	11.87	10.34	8.47	72.09
1947-48	5.50	3.98	2.83	3.98	3.07	3.47	5.10	7.21	7.84	11.64	11.18	9.28	75.06
1948-49	5.53	5.02	2.67	1.12#	2.12	3.05	5.35	6.92	8.93	10.48	10.23	8.87	70.29#
1949-50	5.70	4.45	3.19	2.04	2.50	4.24	5.76*	8.53*	10.82	13.76	14.34	9.65	84.98**
1950-51	8.90	7.74	5.92	4.02	4.32	7.12	6.18	10.02	10.78	13.62	13.72	11.78**	95.22**
1951-52	9.38	6.30	3.10	2.57	4.30	2.98	4.38	8.92	9.08	12.18	12.46	10.66	86.31
1952-53	8.52	4.75**	3.26**	3.95**	4.14**	4.48	5.13	7.48	8.88	13.40	12.53	10.22	86.74**
1953-54	8.27	5.46	6.30	3.09**	5.54**	3.53	5.04	8.29	10.26	13.86	11.36	10.21	91.21**
1954-55	8.33	5.50	4.88	2.60	4.46	5.60	7.31	6.49	9.43	11.49	13.08	10.43	89.60
1955-56	7.98	5.58	2.71	2.88	3.74	6.60	4.36	5.49	9.50	11.34	10.94	10.47	81.59
1956-57	5.96	7.52	5.63	2.03	2.30	3.24	4.72	5.58	12.26	13.72	12.00	8.70	83.66
1957-58	5.40	4.22	4.07	3.70**	1.76**	1.86	4.14**	7.62	10.01	12.25	11.74	9.64	76.41**
1958-59	7.58	4.92	5.12	3.88	2.42**	5.56	5.64	7.28	11.08	12.72	12.13	8.36	86.69**

NOTE: "A" SEPTEMBER 1937, SEE LEGEND

EVAPORATION AT PUENTE HILLS

STATION #265C

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1931-32	4.72	3.22	1.84	1.16	.80	2.53	5.58	4.88	5.78	6.76	6.90	5.34	49.51
1932-33	4.50	4.90	2.32	2.28	3.08	3.20	3.73	4.95	5.53	6.50	6.90	5.21	52.46
1933-34	4.50	4.55	2.38	2.59	1.60	2.70	4.67	6.36	4.46	6.74	6.60	6.46	53.61
1934-35	3.87	2.11	1.52	1.46	1.84	1.60	2.60	4.08	5.19	6.86	6.92	5.26	43.31
1935-36	4.70	3.08	2.80	2.50	1.46	2.70	3.42	5.64	5.94	6.88	7.04	5.74	51.90
1936-37	4.16	4.28	2.24	1.62	1.26	2.30	3.41	4.10	5.53	6.42	6.76	6.12	48.20
1937-38	4.30	2.56	2.97	2.85	1.60	2.44	3.47	4.24	5.04	6.44	6.80	6.36	49.07
1938-39	4.58	4.48	2.63	1.74	2.52	2.75	3.30**	4.40**A	5.84	6.24	5.85	5.33	49.67**
1939-40	3.90	2.46	1.64	.78	1.43	2.88	3.21	4.58	4.42	6.55	5.96	4.93	42.74
1940-41	3.66	2.47	1.38	.94	.44	1.84	2.54	4.76	4.50	6.01	5.32	4.34	38.20
1941-42	3.42	2.30	.97	1.63	1.76	3.61	2.36	4.68	4.14	6.84	5.72	3.80	41.22
1942-43	3.18	2.98	1.38	1.06	1.60	1.37	2.60	4.46	5.05	5.52	5.68	4.20	39.08
1943-44	2.74	2.81	.73	1.29	.94	2.54	3.44	3.54	3.94	4.86	5.57	3.82	36.22
1944-45	2.32	1.09	1.72	1.00	1.03	2.08	3.46	4.31	3.38	4.94	5.34	4.68	34.95
1945-46	3.08	2.04	1.60	1.54	1.42	1.90	2.38	2.86	5.42	6.34	6.34	4.86	39.74
1946-47	2.39	.85	.61	.98	.74	1.60	2.66	2.38	3.22	5.68	4.91	3.56	29.58
1947-48	2.05	1.42	.84	1.44	1.21	1.82	2.29	3.09	3.54	4.67	4.14	3.75	30.26
1948-49	1.97	1.72	1.12	.74	.83	1.79	2.46	2.67	3.73	4.59	4.46	3.83	29.91
1949-50	2.40	1.94	1.06	.97	.43	1.50	2.13	2.65	3.50	4.99	4.28	2.46	28.31
1950-51	2.18	1.33	.89	.75	.92	2.38	1.58	3.07	3.41	4.52	4.42	2.79	28.24
1951-52	2.33	INC.	DISCONTINUED										INC.

NOTE: "A" MAY, 1939, SEE LEGEND

EVAPORATION AT TORRANCE

STATION #268

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1931 32	5.17	2.32	1.22	1.16	1.47	4.24	6.16	6.66	6.96	7.64	7.60	5.58	56.18
1932-33	4.32	2.52	1.61	1.18	2.08	4.12	4.94	7.10	6.10	7.03	7.32	5.43	53.74
1933-34	4.34	2.72	.98	1.10	1.16	3.78	5.58	8.01	5.93	7.69	7.81	6.64	55.94
1934-35	4.58	1.72	1.12	.40	1.84	2.80	3.96	6.06	6.06	8.15	7.61	5.88	50.18
1935-36	4.90	2.14	1.32	1.72	1.76	3.91	4.48	7.17	7.64	8.38	8.00	6.86	58.28
1936-37	4.70	2.31	1 16	1.00	1.41	3.96	5.52	6.04	7.32	8.49	7.70	7.11	56.72
1937-38	5.15	2.08	1 80	1.65	1.42	4.50	5.38	6.84	7.02	8.54	8.24	7.41	60.03
1938-39	4.88	3.03	1.24**	1.06 A	2.39	3.16	5.22	6.40	7.34	8.25	7.60	7.54	58.11*
1939-40	5.02	1.52	1.02	.91	1.34	3.68	5.34	6.88	6.54	8.62	7.94	6.60	55.41
1940-41	4.56	2.30	1.20	.75	.74	2.91	4.12	7.88	7.25	7.82	6.98	6.54	53.06
1941 42	4.64	1.84	1.22	.88	1.52	4.31	4.00	6.58	5.90	8.15	7.30	5.65	52.02
1942-43	4.07	1.48	1.26	1.11	1.27	2.70	4.13	6.59	7.13	7.51	7.60	6.26	51 11
1943-44	4.18	1.88	1.08	.92	1.08	4.10	5.48	5.32	6.28	6.75	7.14	5.24	49.45
1944-45	3.87	1.09	1.24	1.06	1.52	2.85	5.02	6.67	5.28	7.10	7.82	6.66	50.18
1945-46	4.40	1.94	1.14	1.64	1.28	3.61	4.14	4.80	7.70	8.16	7.94	6.46	53.21

NOTE: 9/23/46 STATION DISCONTINUED, MOVED 1.5 MILES NORTHWEST TO LA FRESA, S.C.E. CO. SUBSTATION
"A" JANUARY 1939, SEE LEGEND

EVAPORATION AT ENCINO RESERVOIR

STATION #292B

(F.C. 2' LAND PAN)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1931-32	N.I.	N I.	N.I.	N I.	N.I.	N.I.	N.I.	8.77	9.73	11 51	11.77	8.14	INC.
1932-33	7.58	7 50	3.70	4 80	5.22	7.37	7.10	9.76	9.58	11 43	10 74	8.15	92.93
1933-34	7.89	7.70	3.26	5.06	3.01	7.30	9.03	11 34	7.72	12.15	10 76	10.93	96.09
1934-35	7.60	3.96	2.48	1.85	4.63	4.37	5.74	7.26	8.98	11.95	12.02	9.66	80.50
1935-36	7.84	4.61	3.97	4.26	2.57	5.98	6.47	9.86	11 80	12.19	12.42	10 58	91.75
1936-37	6.26	6.88	3.15*	1.85	3.25	4.47	6.49	7.83	9.45	13.42	11.56	10 58	87.19**
1937-38	8.24	4.45	3.20	4.45	2.60	3.56	6.80	9.32	8.52	11 70	12.03	11.12	85.99
1938-39	8.28	6.69	4.75*	3.27	4.02	4.43	7.80	8.35	10.46	11 92	11 73	11.31	93.01**
1939-40	8.95	5.64	4.25	2.09	2.79	5.13	7.03	9.46	9.28	13.54	11.46	9.90	89.52
1940-41	7.51	5.92	3.99	2.17*	2.25*	4.15*	4.75*	9.49	8.93	10.93	9.99	8.48	78 56
1941 42	6.81	5.52	2.86	3.18	4.08	7.04	5.59	8.84	9.26	11.93	9.88	7.61	82.60
1942-43	6.11 A	4.86	3.40	3.52	3.36	3.35	5.66	8.68	9.48	10.29	10 81	9.98	79 50
1943 44	6.88	5.84	2.60	2.89	2.36	5.60	6.49	6.96	7.12	8.71	10 86	7.66	73.97
1944-45	5.64	2.90	3.47	3.46	2.90	3.24	6.60	8.19	6.66	9.55	10.89	8.82	72.32
1945-46	5.48	4.35	2.59	3.57	3.01	4.04	5.04	5.43	8.94	9.60	9.43	9.80	70.28
1946-47	5.28	2.78	1.82	3.03	2.48	3.26	5.04	5.23	5.10	8.81	7.72	6.86	57.41
1947-48	4.55	3.76	2.72	3.04	2.84	3.58	4.48	6.16	6.12	8.55	7.80	7.76	61 36
1948-49	4.62	4.53	2.32	1.68	1.98	2.92	5.15	5.68	7.60	8.46	8.85	7.70	61.49
1949-50	6.09	4.76	3.04	1.86	2.16	4.44	5.24	5.67	6.76	8.88	8.42	5.67	62.99
1950-51	6.06	4.18	3.22	2.25	2.55	4.45	4.43	6.72	6.53	8.52	8.76	6.69	64.36
1951-52	6.70	3.64	1.79	1.82	2.87	3.01	3.92	7.05	6.50	8.94	9.40	8.48	64 12
1952-53	5.10	2.83	1.82	2.24	3.74	3.94	4.46	7.29	6.56	9.74	8.90	6.84	63.46
1953-54	6.85	3.98	3.87	2.06	3.48	3.06	3.99	5.75	6.72	9.62	7.75	8.02	65 15
1954-55	5.50	3.70	2.69	1.74	2.70	3.93	6.18	4.88	6.16	7.74	9.16	8.73	63.11
1955-56	4.92	3.55	1.55	1.48	2.38	5.05	3.58	5.10	6.90	8.46	8.25	8.62	59.85
1956-57	4.56	5.12	4.06	1.60	1.80	4.02	4.35	5.42	7.58	9.31	8.95	6.98	63.75
1957-58	3.90	3.00	2.33	2.54	2.10	2.16	4.54	6.58	7.86	8.59	7.70	8.60	59.90
1958-59	6.13	4.10	3.66	2.91*	2.10	5.30	5.88	6.48	7.54	9.50	9.19	6.30	69.09**

NOTE: CONVERSION COEFFICIENT THROUGH 1940-41 0.66
" " " 1941-42 0.71
" " FROM OCTOBER 1942, THROUGH SEPTEMBER 1946 0.784

EVAPORATION AT ENCINO RESERVOIR

STATION #292B

(U.S.W.B. TYPE "A" PAN)

	OCT	NOV.	DEC.	JAN.	FEB	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1931 32	N.I.	N.I	N.I.	N.I.	N.I.	N.I.	N.I.	N.I	N I.	10.46	10 21	7.08	INC
1932-33	6.08	7.14	3.33	4.26	5.09	6.87	6.57	9.47	9 43	11 44	9.92	6.85	85.45
1933-34	6.92	6.77	2.89	4.90	2.91	6.24	7.36	9.50	6.56	10.86	9.30	8.96	83.17
1934-35	6.23	3.03	1.99	1.55	3.17	3.52	4.74	6.18	8.38	11 37	10.71	8.27	69.14
1935-36	7.14	3.85	3.12	3.88	2.50	4.56	5.83	8.51	10.12	11 21	11.05	10.57	82.34
1936-37	5.14	5.65	2.46	1.55	2.46	3.98	7.36	6.27	8.41	11 35	10.45	9.06	74 14
1937-38	6.70	3.33	2.25	3.38	1.80	2.86	5.88	7.95	7.83	10 45	10 56	9.28	72.27
1938-39	6.26	5.27	3.72*	2.29	4.07	3.75*	6.13	7.29	8.39	10.67	9.84	10.45	78.13**
1939-40	6.54	4.06	3.33	1.72	2.43	4.23	5.89	7.56	8.11	10.64	9.18	8.08	71 97
1940-41	6.69	4.43	3.19	1.73*	2.11	3.52	4.30	6.70	7.73	9.71	8.33	7.08	67.52**
1941 42	5.40	4.34	2.42	2.78	3.44	6.09	5.06	7.65	7.85	11.78	10 13	7.13	74.07
1942 43	5.97	4.88	3.45	3.49	3.58	3.95	5.83	8.38	8.93	9.85	10 09	9.31	77.72
1943-44	6.47	5.22	2.47	2.92	2.70*	6.45	6.10	6.69	6.92	8.80	10.91	7.52	73.17**
1944-45	5.83	3.02	3.40	3.36	3.26	3.53	7.22	7.67	6.68	9.82	10.10	8.98	72.87
1945-46	5.08	4.15	3.09*	4.53	3.59	5.08	5.62	5.66	9.24	10 50	10.56	9.06	76.16**
1946-47	6.62	4.06*	2.48	3.86	3.35	4.40	6.53	6.54	7.16	11 80	10.02	8.69	75.51**
1947-48	5.71	4.83	3.56	4.28	3.89	4.25	6.28	7.04	7.43	10.58	10.94	9.40	78.19
1948-49	5.95	6.18	3.00	2.19	2.52	3.88	6.62	6.95	8.40	9.87	10.16	9.08	74.80
1949-50	7.14	5.47	3.59	2.40	2.80	5.59	6.33	6.69	7.82	10 30	9.78	6.65	74.56
1950-51	6.60	4.53	4,11	2.91	3.13	5.98	5.49	8.00	7.60	10 56	10 20	8.04	77.15
1951-52	7.50	3.95	2.20	2.16	4.03	4.68	4.91	8.29	7.28	10.81	10 73	8.65	75.19
1952-53	5.72**	2.88	2.37	2.77	4.87	5.56	5.30	8.91	8.68	11.37	9.91	7.91	76.25**
1953-54	7.62	4.33	4.64	2.39	4.53	3.86	4.79	6.12	7.16	10.99	8.89	9.09	74.41
1954-55	6.55	4.49	3.32	2.31	3.53	5.05	6.83	6.13	6.73	8.98	10.68	10 18	74.78
1955-56	6.36	4.72	2.09	2.27	3.14	6.28	5.09	6.29	8.07	9.66	9.00*	9.69	72.66*
1956-57	5.19	6.85	5.35	2.23	2.52	4.70	4.83	5.82	8.36	10 26	10.15	8.48	74.74
1957-58	4.59	3.65	3.30	3.40	3.05	3.07	6.25	7.39	8.49	9.33	8.46	9.71	70.69
1958-59	7.11	5.00	4.56	3.43*	2.82*	5.88	6.42	6.66	8.24	10.53	9.71	7.15	77.51**

EVAPORATION AT ENCINO RESERVOIR

STATION #292B

(FLOATING PAN F-30)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1929-30	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	9.97	9.20	6.58	INC.
1930-31	6.33	4.39	4.00	2.21	2.93*	5.72	5.62	6.13	7.67	9.32	8.88	7.75	70.95**
1931-32	6.00	4.79	1.83*	4.19	1.64*	5.21	6.83	6.16	7.89	8.80	9.26	6.98	69.58**
1932-33	6.31	5.41	3.39	3.66*	3.65	4.95	5.81	7.36	7.69	9.34	9.33	7.14	74.04**
1933-34	6.16	5.71	2.76	3.88	1.59	4.84	6.92	8.35	6.47	9.37	8.81	8.28	73.14
1934-35	5.87	3.26	1.29	1.30*	2.59	2.65	3.56	5.77	7.25	8.61	8.07	7.39	57.61**
1935-36	6.18	3.30	2.68	2.72	2.40*	3.37	4.79	7.31	8.21	9.36	9.29	7.91	67.52**
1936-37	4.96	4.88	2.58	1.29	1.74*	2.60	6.47	6.16	7.06	9.89	8.52	7.51	63.86**
1937-38	5.53	3.45	1.97	3.18	1.50*	1.38	5.04	6.87	6.59	8.80	9.37	7.71	61.39**
1938-39	6.23	5.99	3.36*	1.59	3.56	3.07	5.15	6.28	7.28	8.80	8.95	8.81	69.07**
1939-40	6.42	4.05	3.21	1.85*	1.14	3.80	5.48	7.00	7.18	9.81	8.46	7.60	66.00**
1940-41	5.82	5.24	2.67	1.50*	1.66	2.78	3.49	7.58	7.07	8.76	7.67	6.61	61.15**
1941-42	5.06	4.42	1.72	2.36	2.87	4.78	3.96	6.69	7.40	10.16	8.81	6.85	65.08
1942-43	5.22	4.72	3.47	2.74	2.64	3.15	4.51	7.42	8.51	8.90	9.46	8.48	69.20
1943-44	6.46	5.33	1.76	2.54	2.49*	5.00	5.47	5.98	6.55	7.37	9.13	6.87	64.95**
1944-45	5.30	3.39	2.94	2.65	2.53	2.81	5.65	6.89	5.72	7.65	8.64	7.52	61.69
1945-46	4.38	4.23	2.91*	3.71	2.69	3.49	4.66	5.57	7.90	8.99	9.38	7.09	65.00**
1946-47	5.66	2.96*	2.21	3.30	2.22	3.45	5.51	6.00	6.58	9.73	9.20	6.90	63.72**
1947-48	4.96	4.30	2.87	3.40	3.10	3.51	4.92	6.39	6.52	9.17	8.65	7.86	65.65
1948-49	5.00	5.62	2.26	2.14	1.86	3.11	5.42	6.14	7.45	8.37	9.08*	8.07	64.52**
1949-50	6.33	3.50	3.63	1.80	1.99	4.21	5.20	6.19	7.30	9.02	8.76	6.37	64.30
1950-51	5.55	3.67	3.13	2.03	2.85	4.68	5.13	6.84	6.80	8.78	9.09	7.03	65.68
1951-52	6.49	3.77	2.26	1.47	3.31	4.96	4.47	7.24	6.89	8.44	9.69	7.04	65.97
1952-53	5.31	2.90	2.40	2.41	4.17	4.28	5.12	7.51	6.54	9.65	8.93	7.43	66.65
1953-54	6.33	4.16	4.46	2.04	3.29	3.60	4.27	5.96	6.84	8.89	7.95	8.04	65.83
1954-55	5.71	4.12	3.46	2.23	3.04	4.06	6.00	5.76	6.61	8.19	8.98	7.88	66.04
1955-56	4.68	4.04	2.30	2.05	2.78	4.80	4.70	5.99	7.30	8.91	8.52	9.34	64.42
1956-57	5.52	5.58	4.40	DISCONTINUED									INC.
1958-59	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	8.87*	8.31	10.56	10.35	7.17	INC.

EVAPORATION AT VAN NORMAN LAKE - LOWER DAM

STATION #293

(U.S.W.B. TYPE A PAN)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1930-31	11.12	12.48	10.81	9.06	6.16*	11.62	8.32	8.07	9.26	11.30	9.70	9.37	117.29**
1931-32	8.28	6.05	5.59	8.11	7.19	8.48	9.37	8.25	9.13	10.12	9.92	8.13	98.62
1932-33	8.64	13.02	6.02	6.37	8.20	8.09	8.58	9.35	8.63	10.52	9.53	8.90	101.85
1933-34	7.67	12.89	7.07	8.61	3.41	8.54	8.00	9.02	5.72	10.51	8.96	8.59	98.99
1934-35	7.27	5.20	5.99	4.75	5.38	4.74	5.26	5.29	7.66	10.08	9.76	7.47	78.85
1935-36	8.54	6.50	5.90	5.90	2.27	5.90	5.92	8.23	9.37	9.78	9.78	8.86	86.95
1936-37	6.65	10.36	6.21	2.34	5.85	6.39	8.25	5.99	8.11	10.76	9.65	8.18	88.76
1937-38	7.20	3.91	5.91	7.09	5.32	3.52	6.16	7.76	6.85	9.97	9.32	8.70	81.71
1938-39	6.01	10.08	6.74	6.26	5.18	4.61	6.97	7.55	9.04	9.77	9.59	10.54	92.34
1939-40	9.82	6.84	6.83	3.18	3.94	6.61	6.94	7.99	7.74	10.48	8.53	7.68	86.58
1940-41	7.99	8.07	5.42	3.49	1.22	4.63	5.12	8.95	6.78	9.18	8.39	7.18	76.42
1941-42	7.68	8.00	6.02	5.81	4.76	7.73	4.69	8.00	7.98	11.15	9.25	8.20	89.27
1942-43	7.31	7.67	5.64	6.25	6.21	3.06	5.43	8.66	8.66	9.61	9.58	9.06	87.14
1943-44	6.73	8.39	4.41	6.02	4.37	8.59	6.81	6.22	6.48	8.58	10.45	8.27	85.32
1944-45	5.93	4.29	7.06	6.22	4.96	4.77	7.10	7.92	5.96	9.84	9.65	9.13	82.83
1945-46	6.98	7.18	5.27	7.25	4.87	5.86	6.03	4.81	8.81	9.74	9.83	8.69	85.32
1946-47	7.93	5.48	5.02	6.83	4.27	5.12	6.92	6.76	6.97	12.45	9.81	8.64	86.20
1947-48	5.99	6.80	5.94	7.39	4.97	5.41	6.41	8.58	7.01	10.26	9.51	9.50	86.77
1948-49	5.82	9.95	3.95	3.69	3.41	4.08	7.52	7.76	9.09	10.23	8.34	9.00	82.84
1949-50	7.64	8.03	5.60	3.59	3.54	5.55	6.61	7.18	7.82	9.92	9.93	6.35	81.76
1950-51	6.47	6.82	6.32	4.45	3.51	7.26	4.27	8.04	7.51	10.25	9.59	8.07	82.56
1951-52	8.88	5.21	4.45	3.71	5.21	5.04	6.05	7.64	7.25	10.50	9.64	9.77	83.35
1952-53	5.87	4.99	4.68	6.69	8.45	6.21	5.21	9.40	8.00	11.44	9.81	8.69	89.44
1953-54	8.73	6.98	10.11	4.53	8.73	4.60	5.54	6.79	7.73	12.00	8.74	9.62	94.10
1954-55	8.34	8.27	7.06	4.65	6.86	6.85	8.70	6.66	7.58	9.59	11.12	10.41	96.09
1955-56	7.40	7.37	3.22	DISCONTINUED									INC.

EVAPORATION AT VAN NORMAN LAKE - LOWER DAM

STATION #293

(F.C. 24" DIAMETER PAN)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1952-53	N.I.	N.I.	N.I.	N.I.	6.98	5.24	4.63	8.04	6.79	9.60	8.90	7.38	INC.
1953-54	8.34	6.86	9.28	4.27	8.04	4.40	4.70	5.74	6.59	9.95	8.20	8.44	84.81
1954-55	7.07	8.26	6.87	4.26	6.14	6.02	7.52	4.99	6.72	8.00	9.51	8.95	84.31
1955-56	6.32	6.50	2.91	3.00	3.78	7.62	4.22	5.86	6.96	8.73	8.07	8.96	72.93
1956-57	5.68	11.54	9.89	3.31	2.61	5.84	4.64	5.11	8.22	9.92	9.38	7.30	83.44
1957-58	5.40	6.18	6.80	6.12	1.96	2.87	7.18	6.89	7.32	8.57	8.23	10.50	78.02
1958-59	8.54	7.14	8.32	5.76	3.04	8.43	6.40	7.13	7.52	9.47	8.78	6.60	87.13

EVAPORATION AT PINE CANYON

STATION #321

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1931-32	6.40	3.84	1.42	1.78	2.64**	6.70	8.70	9.35	11.52	16.30	15.53	12.42	96.60**
1932-33	8.67	6.51	2.96	1.72	3.48	5.67	6.35	7.76	9.82	12.79	12.25	10.32	88.30
1933-34	8.32	6.20	3.10	3.96	3.13	6.43	8.46	10.61	8.70	13.08	12.18	10.06	94.23
1934-35	6.51	3.63	3.19	2.80	3.39	3.71	4.85	7.20	14.08	12.45	10.52	9.84	82.16
1935-36	7.50	3.94	2.62	2.64	2.22	5.14	6.28	8.88	10.48	11.55	11.66	9.40	82.31
1936-37	6.44 A	4.72	2.54	1.36#	1.68	3.10	5.60	6.72	8.48	12.05	10 78	8.08	71 55#
1937-38	5.66	2.92	3.11	2.48	1.62	2.62	4.92	6.00	8.12	9.72	9.06	7.22	63.45
1938-39	4.53	3.78	2.56	1.71	2.52	3.56	5.04	6.71	9.36	10.28	9.72	6.45	66.22
1939-40	5.00	2.68	1.62	1.34	2.04	4.05	5.24	8.33	9.42	10.14	10.22	7.70	67.78
1940-41	4.70	2.40	2.10	1 19	1.22	2.91	2.92	6.68	7.74	10.06	9.54	7.55	59.01
1941-42	4.09	2.46	1.18	2 66#	2.65	5.00	5.06	8.30	11.77	14.08	11.96	9.05	78.26#
1942-43	7.24	4.62	3.18	2.76	3.04	3.84	5.52	10 45	10 15	12.20	12.00	10 10	85.10
1943-44	6.88	4.88	4.57	3.00	3.79	5.47	6.28	7.88	8.15	12.32	12.82	10.92	86.96
1944-45	7.40	3.88	3.06	3.24	3.52	2.70	7.37	9.32	9.74	12.06	11.47	9.20	82.96
1945-46	6.01	3.96	3.03	3.80	3.52	4.70	6.28	7.32	11 82	12.31	12.22	9.86	84.83
1946-47	5.40	3.20	1.96	2.60	2.50	3.89	5.46	7.81	8.38	11.08	9.80	7.86	69.94
1947-48	5.70	3.91	2.78	3.42	2.96	3.65	4.26	7.50	8.50	10 71	10 20	8.94	72.53
1948-49	5.40	4.42	2.02	1.56	1.68	2.87	6.01	6.87	9.17	11 10	9.91	8.10	69.11
1949-50	6.44	4.10	2.44	1.60	2.36	4.48	5.20	7.22	8.77	10.42	10.76	7.39	71 18
1950-51	5.69	3.85	3.02	2.23	2.32	4.78	5.60	8.16	9.40	12.02**	11 42	9.60	78 09**
1951 52	7.42	3.99	2.04	2.46	3.25	3.17	5.04	9.33	9.06	11.54	11 28	9.08	77.66
1952-53	7.50	5.18	3.43**	3.42	5.45	5.17	5.72	5.87	8.80	11.80	10.36	8.44	81.14**
1953-54	6.22	4.91	3.82	2.60	3.68	2.99**	5.10	8.65	9.72	11.27	10 34	9.74	79.04**
1954-55	7.40	4.01	2.78	1.83	2.89	5.03	5.78	6.08	8.12	10.82	11 55	9.00	75.29
1955-56	6.65	4.23	2.49	1.85	2.92	5.57	4.19*	5.60	9.72	10.73	10 50	9.93	74.38**
1956-57	5.20	6.18	4.65	1.93	2.55	4.87	5.50	5.99	10 83	12.55	11 08	8.80	80.13
1957-58	4.82	3.70	3.10	3.45	1.95	2.36	4.92**	8.16	10 30	11.58	11.72	9.45	75.51**
1958-59	6.97	4.74	4.88	3.45	2.38	6.15	6.95	8.65	11.92	13.58	12.75	7.68	90.10

NOTE: "A" OCTOBER 1936, SEE LEGEND

EVAPORATION AT COGSWELL DAM

STATION #334B

(LAND PAN)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1935-36	7.18	4.13	3.05	2.92	1.42	4.32	4.60	6.16	9.82	11.70	11.51	10 00	76.81
1936-37	5.79	4.68	1.88	1.07	1.81	2.68	6.06	6.28	8.39	11.40	10.64	10 40	71.08
1937-38	7.92	4.95	3.64	3.17	4.92	3.08	5.46	6.88	8.98	11.86	11 74	10.66	83.26
1938-39	6.76	5.94	3.78	3.04	3.24	3.94	6.40	8.06	10.74	13.10	12.80	8.85	86.65
1939-40	7.07	4.88	3.05	1.92	2.48	4.58	4.92	7.98	10 28	12.07	12 05	9.36	80.65
1940-41	7.39	4.16	2.23	1.59	1.42	3.20	3.91	6.96	8.01	11.56	9.96	8.86	69.25
1941-42	5.11	2.78	1.56	2.15	2.88	3.98	3.56	7.08	8.96	12 42	10 88	9.22	70.60
1942-43	6.36	3.56	2.50	2.65	2.08	2.63	4.22	7.50	7.88	10 75	10.62	9.32	70.07
1943-44	6.16	4.04	1.54	1.57**	1.46	4.08	4.45	6.24	6.44	9.95	10.40	7.90	64.23**
1944-45	5.78	2.23	1.93	1.86	2.08	2.27	5.27	6.62	7.02	10 66	9.65	7.88	63.25
1945-46	4.74	2.90	1.66	3.02	2.10	2.86	4.63	5.34	8.68	9.41	10 10	7.81	63.25
1946-47	3.50	1.48	1.22	2.20	1.60	2.48	3.88	5.62	6.29	9.22	8.13	6.89	52.51
1947-48	4.67	3.20	2.06	2.99	2 52	2.66	3.56	5.36	6.23	10.10	10.00	9.10	62.45
1948-49	5.42	4.62	1.58	1.04#	1 36	2.82	4.90	5.50	8.13	10.13	9.94	10 02	65.46#
1949-50	6.08	4.60	2.31	1.31	2.30	3.74	4.46	5.96	8.10	9.90	10.65	7.32	66.73
1950-51	6.29	3.79	2.86	1.91	2.26	4.12	3.94	6.16	7.95	10 78	11.03	9.46	70.55
1951-52	6.09	2.88	1.45	1.95	2.46	2.34	3.77	7.10	7.64	10.13	10.30	8.26	64 37
1952-53	7.04	2.72**	1.76	2.30**	3.76	3.84	4.44	6.38	7.02	10 78	10.68	8.61	69.33**
1953-54	6.23	3.22	3.29	1 60**	3.20**	2.92	5.00	6.36	7.60	9.63	9.32	8.35	66.72**
1954-55	6.22	3.76	2.24	1 22	2.04	4.00	5.82	5.00	6.50	8.76	9.83	10.14	65.53
1955-56	7.25	3.50	1.58	1.66	2.29	4.18	3.67	5.54	7.74	9.25	9.48	9.56	65.70
1956-57	5.90	6.36	3.91	1.44	1.70	3.20	4.60	4.39	7.82	10.78	10 63	8.28	69.01
1957-58	3.90	2.74	2.32	2.94	1.94	2.33	4.21	7.23	8.72	10 46	9.30	9.14	65.23
1958-59	6.82	4.24	3.68	2.66	2.19**	5.12	5.60	5.52	9.00	10.00	9.64	7.16	71.63**

NOTE: A VERY NOTICEABLE DECREASE IN EVAPORATION IS EVIDENT STARTING WITH THE SEASON 1940 41 AND INCREASING THROUGH TO JULY 1947. THIS WAS DUE TO SMALL CEDAR TREES BEING PLANTED WEST AND SOUTHWEST OF STATION, ABOUT 20 FEET. IN NOVEMBER 1940. STATION WAS MOVED NOVEMBER 1947 TO A MORE REPRESENTATIVE LOCATION.

EVAPORATION AT COGSWELL DAM

STATION #334B

(FLOATING PAN F 30)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1936-37	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	4.37	6.69	8.60	8.28	N.R.	INC.
1937-38	N.R.	N.R.	N.R.	N.R.	N.R	INC	4.30	5.16	6.02	8.07	INC.	N.R.	INC
1938-39	N.R	N.R.	N.R.	N R	INC	2.20	INC.	N.R.	N.R.	N.R.	N.R	N.R.	INC.
1939-40	N.R.	N.R.	N.R	INC.	1.97	3.90	4.24	7.36	8.50	10.36	INC.	N R.	INC.
1940-41	N.R.	N.R.	1.78**	1.51	1.20	2.90	3.28	5.88	6.40	8.84	8.10	7.84	INC.
1941-42	3.91	INC.	1 11	1.50	2.07	3.40	3.32	6.14	7.62	10.41	9.42	INC	INC.
1942-43	N.R.	N.R.	INC	1.60	2.07	2.58	3.94	6.42	7.16	9.09	9.26	INC.	INC.
1943-44	N.R.	N.R.	INC.	1.73	1.60	3.97	4.80	6.06	5.91	8.47	8.94	6.47	INC.
1944 45	INC.	INC.	1.98	1.90	1.99	2.23	5.04	6.28	6.22	9.00	8.96	7.19	INC.
1945-46	4.48	3.28	1.70	3.08	1.98	INC	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	INC.
1946-47	N.R.	INC.	1.40	INC.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R	N.R	N.R.	INC.
1947-48	NOT IN OPERATION							INC.	INC	INC.	INC	INC.	INC.
1948-49	N.R.	N.R.	N.R.	INC.	1.07	2.72	4.42	5.42	7.36	8.94	8.76	INC	INC.
1949-50	N.R.	N.R	INC.	1.14	2.24	3.60	4.66	5.62	7.68	8.21	9.45	INC.	INC.
1950-51	N.R.	N.R.	N.R.	N.R.	N R	INC.	3.92	6.50	8.11	9.28	9.72	7.95	INC.
1951-52	INC.	N.R.	N.R.	1.71	2.60	2.27	4.31	7.45	7.42	9.63	10 24	8.51	INC.
1952-53	7.79	3.52**	2.06**	2.03**	3.44**	4.09**	4.72**	6.68	N.R.	N.R.	N R.	N.R.	INC.
1953-54	6.98*	4.02*	3.59*	1.82*	3.02**	3.16	4.77	6.18	7.22	9.04	9.53	8.32	67.65**
1954 55	N.R.	N.R.	N.R.	INC.	2.22	3.80	5.48	5.17	6.40	7.88	8.74	8.80	INC.
1955-56	6.44	2.92	1.90	1.47	2.49	4.38	3.72	5.74	7.59	9.30	9.71	8.77	63.83
1956-57	5.47	N.R.	N.R.	N.R	1.46*	3.74	5.19	5.02	7.92	11.47	DISCONTINUED		INC.

EVAPORATION AT COGSWELL DAM

STATION #348

(FLOATING PAN F-36)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1956-57	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	10.78	8.50	INC.
1957-58	4.52	2.98	2.60	3.20	1.96	2.47**	4.69	8.10	9.29	10.88	9.68	10.06	70.43**
1958-59	7.35	4.20	3.28*	2.41	2.48**	5.76	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	INC.

EVAPORATION AT BALDWIN PARK

STATION #347

(24" DIAMETER PAN)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1933-34	4.62	3.91	1.73	1.83	1.81	4.13	6.05	8.52	6.51	9.32	8.30	7.27	64.00
1934-35	4.26	2.66	2.23	1.70	2.64	2.90	4.07	5.70	7.12	9.13	8.57	6.41	57.39
1935-36	5.28	2.99	2.19	2.05	1.89	3.12	4.05	7.29	8.11	8.48	7.80	6.31	59.56
1936-37	4.50	3.41	1.90	1.29	1.98	3.34	5.00	5.11	7.17	8.96	8.48	7.36	58.50
1937-38	4.84	2.94	2.44	2.28	2.02	3.07	4.31	6.11	6.85	8.56	8.24	7.03	58.69
1938-39	5.14	3.91	2.49	1.91	2.74	2.93	4.68	5.34	8.25	9.04	8.30	6.95**	62.68**
1939-40	4.65	2.97	2.37	1.23**	2.34	3.43	4.54**	6.54	6.99	9.13	8.21	6.96	59.36**
1940-41	5.09	2.92	1.93	1.47	1.56	2.96	3.69	6.85	6.42	8.22	7.00	6.46	54.57
1941-42	4.71	3.07	1.78	1.73	2.03	3.80	3.29	5.77	6.17	9.11	8.19	6.25	55.90
1942-43	5.02	2.88	3.90	1.81	1.97	2.17	3.79	6.35	7.52	8.03	8.39	7.20	59.03
1943-44	5.17	3.71	2.04	1.59	2.22	3.40	5.09	5.94	6.18	7.93	8.69	6.03	57.99
1944-45	3.67	2.18	1.87	1.32	1.93	2.63	4.53	5.98	7.12	7.73	8.14	6.36	49.46
1945-46	4.15	3.09	2.03	2.47	2.04	3.47	4.15	4.59	7.95	8.60	8.99	7.50	59.08
1946-47	4.61	2.36	1.61	1.95	2.21	3.62	5.26	6.16	6.32	9.57	8.41	6.21	58.29
1947-48	3.90	3.35	2.31	2.10	2.55	3.50	5.04	6.57	6.45	8.40	7.96	6.30	58.52
1948-49	3.36	3.09	1.94	2.01	1.45	3.08	4.14	4.94	6.69	8.10	8.57	6.50	53.87
1949-50	4.62	3.28	2.00	1.46	1.84	3.73	4.22	5.27	7.06	7.64	7.99	5.45	54.56
1950-51	4.90	2.76	2.16	2.32	2.39	3.82	3.62	6.35	6.36	7.06	8.02	5.99	55.75
1951-52	4.83	2.70	1.32	.78	2.63	2.24	2.83	5.72	6.83	8.59	8.23	6.60	53.30
1952-53	4.17	2.19**	1.23**	1.38**	2.87**	3.02**	4.15**	6.94	5.89	9.69	7.44	5.89	53.86**
1953-54	4.69	2.10	2.23	1.30	2.50**	3.02**	3.76	5.39	5.95	7.74	6.72	6.44	52.07**
1954-55	4.64	2.81	1.88	1.42	2.88	4.62	6.03	4.99	6.63	7.50	8.90	6.80	58.90
1955-56	3.95	2.66	1.31	1.22	2.20	4.26	3.50	4.47	6.86	7.66	8.29	6.17	52.55
1956-57	3.22	2.20	1.70	1.06	1.66	1.73	3.32	4.22	5.32	8.97	8.54	6.22	46.16
1957-58	2.27	1.84	1.59*	1.24**	2.37	1.80*	3.44*	5.02	7.89	9.97	7.60	6.76	52.29**
1958-59	4.71	2.97	2.06	2.23	1.93*	4.10	4.42	6.15	7.43	9.18	8.88	5.70	59.66**

EVAPORATION AT BALDWIN PARK

STATION #347

(F.C. 24" DIAMETER PAN)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1932-33	5.63	4.80	2.44	2.21	3.14	4.88	5.82	7.75	9.08	10.10	9.41	6.59	71.85
1933-34	4.99	4.05	1.74	1.72	1.62	4.33	6.36	9.06	6.80	9.78	8.92	7.98	67.35
1934-35	4.25	2.65	2.19	1.77	2.71	3.09	4.39	6.38	8.52	10.19	9.64	7.34	63.12
1935-36	6.12	3.42	2.45	2.32	2.08	3.68	4.70	8.49	9.76	10.29	9.56	7.56	70.43
1936-37	5.11	4.04	1.96	1.41	2.06	3.64	5.82	6.04	8.32	10.17	10.21	8.21 A	67.19
1937-38	5.09	2.98	2.33	2.50	1.95	3.38	4.70	6.74	7.32	8.98	8.86	7.42	62.25
1938-39	5.20	4.06	2.42	1.88	3.12	2.94**	4.61	6.50	8.57	9.06	8.46	7.14	63.96**
1939-40	4.66	2.92	2.30	1.12**	2.26**	3.46	4.52	6.59	7.04	9.21	8.37	7.01	59.46**
1940-41	5.05	2.83	2.02	1.41	1.47	2.96	3.52	7.04	6.86	8.50	7.30	6.40	55.16
1941-42	4.52	2.84	1.35	1.40	2.01	3.78	3.36	5.74	8.14	9.14	8.27	6.12	54.67
1942-43	4.82	2.90	2.06	1.76	2.00	2.38	3.87	6.56	7.44	8.93	8.38	7.08	58.18
1943-44	4.93	3.58	2.03	1.58	1.82	3.48	5.00	5.89	6.38	7.86	8.58	5.90	57.03
1944-45	3.54	2.14	1.76	1.73	1.69	2.55	4.61	5.57	5.06	7.75	6.45	6.43	49.28
1945-46	4.20	3.04	2.04	2.45	2.02	3.31	4.18	4.62	7.94	8.64	8.35	7.68	58.48
1946-47	3.64	1.73	1.19	1.37	1.43	2.50	4.09	4.36	5.08	8.06	7.11	5.24	45.80
1947-48	3.21	2.64	1.66	1.64	2.11	3.06	4.45	5.88	5.81	7.70	7.32	5.86	51.37
1948-49	3.37	2.88	1.39	1.42#	1.21	2.64	3.90	4.94	6.83	7.82	7.97	6.30	50.67#
1949-50	4.27	2.33	1.43	.94	1.28	2.99	3.88	4.68	6.16	7.21	6.32	5.14	46.63
1950-51	4.43	3.00	1.83	1.64	2.14	3.31	2.93	5.20	5.36	6.09	6.73	5.01	42.68
1951-52	4.22	2.26	1.00	.68	2.14	1.88	2.10	5.16	5.86	7.13	7.11	5.50	45.14
1952-53	3.78	1.83**	1.06**	1.05**	2.43**	2.63**	3.40	6.00	5.27	7.24	6.86	5.38	46.91**
1953-54	4.51	2.23	2.70	1.13**	2.16**	2.51**	3.12	4.66	5.20	7.14	6.87	5.42	47.65**
1954-55	3.91	2.22	1.40	1.17	2.36	3.38	5.36	4.02	5.67	6.87	7.94	6.26	50.66
1955-56	3.42	2.16	1.08	.99	1.86	3.55	3.15	3.57	5.93	6.78	8.15	6.09	43.73
1956-57	3.16	4.33	1.62	1.13	1.36	2.17	3.13	3.68	4.35	7.76	7.58	5.65	45.92
1957-58	2.74	1.58	1.34*	.97**	2.56**	1.60*	2.30*	3.32	5.28	7.75	6.84	5.85	42.13**
1958-59	4.30	2.40	1.88	1.70	1.43*	3.49	3.59	5.18	6.52	8.20	7.70	5.18	51.57**

NOTE: "A" SEPTEMBER 1937, SEE LEGEND

EVAPORATION AT BALDWIN PARK

STATION #347

(U.S.W.B. TYPE A PAN)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR	APR.	MAY	JUNE	JULY	AUG.	SEPT	TOTAL
1932-33	5.00	4.23	2.07	2.47	2.38	4.79	5.28	6.89	8.15	9.49	8.53	5.64	64 92
1933-34	4.80	4.14	1.86**	2.74	2.36	4.56	5.97	8.39	6.38	9.44	8.32	7.32	66.28**
1934 35	4.43	2.49	2.21	1.94	2.94	3.20	4.45	5.92	7.48	9.40	8.82	6.66	59.94
1935-36	5.64	3.28	2.38	2.45	2.36	3.78	4.94	7.78	8.92	8.98	8.35	6.67	65.53
1936-37	4.78	3.85	2.00	1.46	2.37	4.02	5.77	5.25	7.78	9.07	8.22	7.13	61.70
1937-38	4.70	2.75	2.51	2.64	2.53	3.78	4.87	6.69	6.86	8.79	8.47	7.11	61 70
1938-39	4.67	3.57	2.61	2.01	3.18	3.38	4.98	6.34	8.32	8.94	8.53	7.47**	64.00**
1939-40	4.88	2.90	2.39	1.50**	2.82	3.93	4.89	6.69	6.66	8.85	7.83	6.66	60.00**
1940-41	5.01	2.98	2.34	1.88	2.07	3.63	4.29	7.48	6.51	8.41	6.91	6.12	57.63
1941-42	4.53	3.13	2.06	1.82**	2.73**	4.41	3.71	6.99	6.49	9.31	8.06	5.99	59.23**
1942-43	5.06	3.73	2.21	2.26	2.80	2.65	4.27	6.74	7.46	8.89	8.55	6.98	61.60
1943-44	4.74	3.48	2.08	2.10	2.41	4.09	5.08	6.00	6.09	7.85	8.27	5.69	57.88
1944-45	3.83	2.32	2.25	1.74	2.39	3.36	5.09	6.07	5.21	7.93	5.93	6.02	52.14
1945-46	3.97	3.06	1.96	2.68	2.26	3.41	4.14	4.16	7.30	8.08	7.78	6.74	55.54
1946-47	4.01	2.29	1.71	2.03	2.19	3.70	5.29	5.10	6.12	9.68	8.14	5.63	55.89
1947-48	3.69	3.15	2.25	2 16	2.98	3.67	6.27	5.99	6.27	7.96	7.60	6.07	58 06
1948-49	3.66	3.30	2.15	1 76#	1.94	3.48	4.45	5.29	7.00	7.90	8.12	6.37	55.42#
1949-50	4.49	3.44	2.41	1.78	1.99	4.02	4.97	5.65	7.17	8.34	7.89	5.29	57.44
1950-51	4.93	2.57	2.20	2.16	2.74	4.32	3.94	6.22	6.17	7.01	7.73	6.00	55.99
1951-52	5.05	2.83	1.72	1.12	3.20	2.53	3.61	7.08	6.46**	8.83	8.21	6.78	57.42**
1952-53	4.15	2.51**	1.68**	2.57**	3.65**	4.49**	4.67**	7.45	6.35	9.21	7.59	6.15	60.47**
1953-54	5.55	2.63	3.25	1.69	3.20**	DISCONTINUED							INC.

NOTE THE SEASON 1945-46 IS ABOUT 10% LOW DUE TO PAN BEING PAINTED INSIDE WITH RED LEAD AND ALUMINUM PAINT.

EVAPORATION AT BALDWIN PARK

STATION #347

(6" DIAMETER PAN)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1932-33	4.43	4.06	2 22	1.89	3.49	3.61	4.16	6.43	6.89	7.75	6.87	4.95	56.75
1933-34	4.01	3.11	1 96	1 58	1.55	3.57	5.03	7.23	5.43	7.78	7.11	6.04	53.80
1934 35	3.43	2.13	1 71	1 41	2.22	2.48	3.51	4.91	6.22	7.78	7.22	5.46	48.48
1935-36	4.60	2.62	1.84	1 77	1.70	2.93	3.81	6.49	7.26	7.54	7.04	5.60	53.20
1936-37	3.81	2.96	1.59	1.05	1.74	3.09	4.67	4.51	6.29	7.72	7.36	6.68	51 48
1937-38	4.11	2.32	1.96	1.99	1.72	2.99	3.97	5.42	6.04	7.43	7.13	5.96	51.04
1938-39	4.24	3.23	2.19	1.54	2.52	2.65	4.14	5.51	7.19	7.68	7.19	5.96**	54.04**
1939-40	4.11	2.37	1.94	1.09**	2.16	3.06	3.90	5.68	5.96	7.76	6.88	5.80	50.71**
1940 41	4.36	2.53	1.67	1.33	1.48	2.70	3.34	5.99	5.69	7.24	6.05	5.49	47 87
1941-42	3.91	2.58	1.35	1.52	1.77	3.47	3.06	5.89	5.54	7.87	7.23	5.28	49.47
1942-43	4.28	2.44	1.72	1.58	1.82	2.12	3.60	5.68	6.40	7.70	7.21	6.10	50.65
1943-44	4.17	2.93	1.69	1.40	2.60	3.16	4.47	5.30	5.78	6.94	7.53	5.84	51 01
1944-45	3.13	1.88	1.63	1.27	1.76	2.52	4.06	5.18	4.55	6.96	5.43	5.57	43 96
1945-46	3.57	2.64	1.71	2.25	1 91	3.22	3.96	4.03	6.95	7.60	7.43	6.39	51.66
1946-47	3.90	2.08	1.49	1.72	1 77	2.93	4.47	5.16	5.37	8.40	7.31	5.53	50.13
1947-48	3.25	2.75	1.94	1.76	2.21	3.15	4.47	5.47	5.64	6.95	6.76	5.47	49.82
1948-49	3.07	2.75	1.71	1.78#	1.41	3.36	3.63	4.50	6.29	6.95	7.21	5.58	48 24#
1949-50	3.78	2.99	1.83	1.18	1.60	3.06	3.84	4.17	7.34	7.13	6.49	4.25	47.66
1950-51	3.68	2.18	1.76	1.87	2.16	3.67	3.50	3.18	5.70*	5.94	6.76	5.07	45 47**
1951-52	4.18	2.22	1.27	.81	2.47	1.68	2.09	5.50	5.65	7.44	7.02	5.48	45.81
1952-53	3.77	1.90**	1.03**	1.16**	2.49**	3.31**	3.89**	6.57	5.27	7.51	6.54	5.32	48.76**
1953-54	4.68	2.06	2.09	1.04	2.18	2.36**	3.23	4.73	5.28	6.90	6.02	5.30	45.87**
1954-55	3.70	2.13	1.45	1.04	2.13	3.40	4.97	4.29	5.28	6.36	7.12	5.40	47.27
1955-56	2.99	1.88	.83	.72	1.75	3.24	2.96	3.33	6.36	7.52	7.54	5.69	44.87
1956-57	3.13	2.85	1.61	1.30	1.24	1.79	3.77	4.20	4.35	7.71	6.95	5.25	44.15
1957-58	2.33	1.67	1.32*	1.00	2.28	1.70*	3.24*	5.69	6.15	7.73	6.25	5.00	44.36**
1958-59	4.48	2.05	1.49**	1.37	1.11*	3.27	3.75**	4.91	5.43	6.65	6.71	4.31	45 53**

EVAPORATION AT PALMDALE

STATION #351D

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1931-32	7.34	4.60	3.11	2.86	2.10	6.50	8.11	10 67	12 70	16.61	17 14	13.02	104.76
1932-33	8.14	4.69	2.87	1.98	3.56	5.70	7.36	8.96	11.52	17 00	13 89	11.60	97.27
1933-34	8.72	4.95	2.69	2.79	3.68	6.29	9.30	12.70	12 34	16 18	15 64	10 95	106.21
1934-35	6.78	3.54	1.80	1.58#	2.64	3.86	6.76	10 72	15 54	16.36	13 40	11.72	94.70#
1935-36	7.70	4.12	3.12	3.68	2.20	6.70	7.66	11.42	13 33	15 15	14 64	11.58	101.30
1936-37	6.98	4.45	2.56	2.08	2.44	4.06	6.22	9.92	12 08	15.96	14 76	10 96	92.47
1937-38	7.08	4.82	2.71	2.78#	2.38	4.32	6.48	11.12	14.62	15 77	14.18	10.02 A	96.28#
1938-39	DISCONTINUED												

NOTE: "A" SEPTEMBER 1938, SEE LEGEND

STATION #441B

1945-46	5.84	3.52	2 91	3.12	2.88	4.88	5.90	8.92	12.68	14.16	15 05	10.15	90.01
1946-47	6.01	2.62	1 26	2.12	2.42	3.72	5.47	8.70	11.20	11 85	1' 96	9.25	76.58
1947-48	6.18	2.91	1.71	2.76	3.11	3.79	6.34	8.15	10.53	13 09	12.28	10.00	80.85
1948-49	6.06	4.92	2.33	.52#	2.11	4.46	7.25	8.64	11.48	12.45	12 40	9.52	82.34#
1949-50	5.50	3.18	2.26	1.88	2.69	4.80	4.77	6.94	8.72	11.20	10 25	7.99	70.18
1950-51	6.56	4.50	3.40	2.48	3.92	6.44	8.06	10.56	11.22	12.20	15.58	14 11	99.03
1951-52	7.21	4.28	3.18	1.66	2.98	3.58	5.76	9.59	10 09	12 82	14 48	9.94	85.57
1952-53	7.00	3.68	2.31	2.88	4.98	5 45	7.02	9.14	11.42	16 55	14.08	11.82	97.33
1953-54	7.35	4.50	3.62	2.39**	2.78	3.8F	8.75	11.14	11 64	14 44	13.61	9.65	93.73**
1954-55	7.18	4.51	1.64	2.54	2.98	5.75	8.14	10 12	12.90	14 80	16 78	11 82	99.16
1955-56	7.95	4.25	2.77	3 41	3.71	6.02	7.09	10 72	12.10	14 68	13.77	12 18	98.65
1956-57	6.30	3.55	2.50	1 56	1.09	2.62	5.94	9.29	12.92	17.40	14.68	11.70	89 55
1957-58	6.30	3.05	1.66	3.06	2.64	3.31	5.07	11.74	13 09	15.18	14 26	10 79	90.15
1958-59	6.90**	3.98	3.35	2.22	3.30**	5.10	7.76	10.85	14.35	16.50	14.52	11 08	98.91**

EVAPORATION AT MORRIS DAM

STATION #3908

(4' DIAMETER PAN)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1930-31	6.04	5.18	3.16	2.87	2.88	6.40	6.19	6.98	7.79	10.37	9.13	7.60	74.59
1931-32	5.41	3.61	1.75	1.96	2.74	5.24	6.31	6.49	7.28	9.76	9.22	7.21	66.98
1932-33	6.30	5.66	2.32	2.54	3.80	5.60	5.36	7.36	10.00	11.60	10.69	7.99	79.22
1933-34	7.73	7.02	2.30**	3.54	2.54	5.47	6.10	8.65	6.17	10.37	8.99	7.97	74.85**
1934-35	5.29	2.90	2.16	2.06	3.12	3.10**	3.84	5.10	7.42	9.16	9.07	7.04	60.26**
1935-36	5.74	3.35	2.77	2.83	1.66	4.07	4.86	7.40**	8.36	9.12	8.86	7.20	66.22**
1936-37	4.97	4.40	2.15	.82M	1.67	3.04	5.33	4.74	6.88	9.20**	9.17	8.03	61.42M **
1937-38	5.71	2.78	2.35	2.35	1.82	2.90	4.45	5.72	6.35	8.46	8.33	7.34	58.56
1938-39	4.38	3.94	2.40	1.88	2.35	2.70	4.34	5.64	7.88	8.66	8.63	6.65	59.45
1939-40	4.81	3.23	2.54	1.49	2.03	3.74	4.30**	6.54	6.97	9.80	8.63	6.92	61.00**
1940-41	5.82	3.36	2.29	1.58	1.24	3.23	3.37	6.42	6.26	8.86	7.00	5.93	55.36
1941-42	3.98	3.13	1.54	1.88	2.34	4.14	3.37	6.46	6.72	9.62	8.15	6.40	57.73
1942-43	4.39	2.99	2.21	2.42	2.40	2.38	4.05	6.76	7.06	8.87	8.59	7.64	59.76
1943-44	4.97	3.51	1.64	1.79	1.60	3.91	4.37	5.50	5.27	7.68	8.76	6.34	55.44
1944-45	4.36	2.09	2.10	1.93	2.02	2.58	4.88	5.90	4.64	8.26	8.02	6.61	53.59
1945-46	4.21	3.02	1.85	3.00	2.40	3.32	4.57	4.06	8.16	8.74	8.98	7.39	59.70
1946-47	3.94	2.20	1.69	2.50	2.38	3.14	4.99	5.65	6.47	10.72	8.58	7.57	59.83
1947-48	4.54	3.62	2.41	3.35	2.77	3.23	4.34	5.81	6.55	9.30	8.83	7.87	62.62
1948-49	4.55	4.21	1.93	1.79	1.79	2.95	5.15	5.57	7.81	9.17	9.22	7.67**	61.81**
1949-50	DISCONTINUED												

EVAPORATION AT MORRIS DAM

STATION #3908

(6' DIAMETER PAN)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1930-31	5.14	4.15	2.76	2.21	2.39	4.97	4.49	5.46	6.26	8.80	7.68	6.30	60.61
1931-32	4.33*	2.77	1.34	1.54	1.78	3.89	5.03	5.26	6.20	7.64	7.46	5.44	52.68**
1932-33	5.02	4.28	1.90	1.92	3.07	4.21	3.77	5.62	7.36	8.53	8.11	6.17	59.96
1933-34	5.69	4.90	1.90**	2.80	2.17	4.45	5.33	7.32	5.72	8.72	8.08	7.04	64.12**
1934-35	4.52	2.76	1.96	1.62	2.60	2.59	3.46	4.50	6.58	8.12	7.94	6.34	52.99
1935-36	5.23	3.05	2.52	2.50	1.44	3.40	3.97	6.68	7.43	8.21	8.14	7.04	59.61
1936-37	4.82	4.27	2.06	1.00W	1.56	2.71	4.75	4.72	6.11	8.30	7.94	7.10	55.34W
1937-38	5.20	2.88	2.39	2.14	1.48	2.65	3.97	5.03	6.01	7.68	7.61	6.84	53.88
1938-39	4.49	3.92	2.12	1.75	2.20	2.46	4.10	5.26	7.32	8.16	8.06	6.22	56.06
1939-40	4.66	3.32	2.58	1.36	1.80	3.26	3.70	6.04	6.58	8.99	7.97	6.58	56.84
1940-41	5.46	3.32	2.08	1.42	1.13	2.63	2.90	5.51	5.71	7.80	6.49	5.66	50.11
1941-42	3.91	2.89	1.44	1.67	2.06	3.56	3.10	5.90	6.35	8.72	7.69	6.07	53.38
1942-43	4.27	2.78	2.04	2.11	1.91	2.04	3.46	6.20	6.34	8.00	7.88	6.83	53.86
1943-44	4.79	3.40	1.54	1.56	1.42	3.28	3.73	5.10	4.98	7.32	7.96	5.86	50.94
1944-45	4.18	2.03	1.93	1.79	1.66	2.17	4.32	5.60	4.54	7.30	7.26	6.05	48.83
1945-46	3.85	2.90	1.67	2.63	2.00	2.88	4.14	3.91	7.24	7.96	8.48	6.71	54.37
1946-47	3.88	2.04	1.56	2.17	1.92	2.64	4.42	5.22	5.99	9.52	7.93	6.94	54.23
1947-48	4.42	3.50	2.24	2.90	2.41	2.83	3.76	5.38	6.16	8.54	8.06	7.22	57.42
1948-49	4.26	3.86	1.86	1.76	1.54	2.66	4.48	5.04	7.27	8.28	8.40	7.44	56.85
1949-50	5.09	3.95	2.40	1.37	1.98	3.32	4.04	4.94	7.01	8.24	8.33	5.72	56.39
1950-51	5.48	3.79	3.11	1.97	2.16	4.06	3.41	5.84	6.50	8.66	8.48	6.85	60.31
1951-52	5.56	3.11	1.73	1.30	2.42	2.36	3.22	6.37	6.24	8.68	8.63	7.02	56.64
1952-53	5.11	2.39	1.58	2.16	3.36	3.64	3.82	6.20	6.26	8.82	8.38	6.92	58.64
1953-54	6.16	3.26	3.61	1.92	3.13	2.78	4.07	4.92**	6.17	8.56	7.62	7.31	59.51**
1954-55	5.51	3.47	2.34	1.76	2.62	3.80	5.08	4.49	6.02	7.94	8.63	8.06	59.72
1955-56	4.84	3.40	1.64	1.80	2.39	4.31	3.53	4.94	7.43	8.22	8.52	6.64	55.86
1956-57	3.68	5.17	3.95	2.32	1.66	3.08	4.03	4.45	6.88	9.29	9.00	6.85	60.34
1957-58	3.35	3.19	3.44	2.48	1.66	2.09	3.79	6.18	7.64	8.35	7.84	7.74	57.75
1958-59	5.96	3.95	3.74	4.33	1.78	4.64	4.88	5.22	7.12	9.06	8.46	5.78	64.92

EVAPORATION AT SAN GABRIEL DAM

STATION #4258

(24" DIAMETER PAN)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1931-32	5.24	3.51	1.31	1.69	2.02	4.14	5.44	6.05	7.16	8.90	9.76	7.69	62.91
1932-33	6.64	4.94	1.96	1.58	2.93	4.46	5.14	5.70	7.64	8.17	8.71	6.77	64.54
1933-34	6.35	4.90	2.14	2.31	2.10	4.81	5.61	5.93	7.59	9.81	8.36	7.06	66.97
1934-35	4.14	2.94	1.85	1.62	1.97	2.62	3.13	4.10	6.78	8.02	7.85	6.56	51.68
1935-36	5.28	3.13	2.42	2.16	1.40	3.64	4.06	6.15	7.35	7.92	8.48	7.62	59.61
1936-37	5.00	3.68	1.82	.95	1.76	3.18	5.19	5.02	6.76	8.12	8.42	7.74	57.64
1937-38	7.27	4.37	3.74 A	3.40	2.27	2.56	5.06	6.76	7.13	9.42	10.03	9.93	71.96
1938-39	7.22	6.81	3.73	3.10	3.62	3.56	5.06	6.14	7.58	8.41	8.91	7.14	70.28
1939-40	6.70	5.21	4.08	1.96	2.34	3.74	3.64	6.09	6.19	9.88	8.91	7.34	66.08
1940-41	8.39	5.34	3.38	2.54	2.06	3.60	4.44	7.53	7.64	10.87	9.03	7.98	72.80
1941-42	6.56	5.34	2.50	2.80	3.42	5.03	3.81	7.24	7.31	10.81	9.80	8.68	73.30
1942-43	6.10	4.60	3.58	3.45	3.34	2.98	4.52	7.74	8.94	10.48	10.56	10.58	76.87
1943-44	7.36	6.47	2.80	2.82	2.36	5.08	5.54	5.74	6.98	9.86	11.74	9.16	76.91
1944-45	7.20	3.64	3.90	3.46	2.70	3.30	5.94	6.90	6.30	9.66	9.80	8.78	71.58
1945-46	5.60	4.68	2.96	4.46	3.05	3.82	5.10	5.14	8.96	10.07	11.26	9.62	74.72
1946-47	6.16	3.22	2.62	3.85	2.98	3.83	5.64	7.18	7.74	13.67	11.20	10.75	78.84
1947-48	7.72	6.10	3.97	5.41	3.94	4.44	5.24	7.66	7.62	11.78	11.34	11.51	86.73
1948-49	7.12**	6.58	3.06	2.42	2.37	3.71	6.13	6.82	8.33	11.01	11.81	11.48	81.84**
1949-50	8.32	7.64	4.53	2.46	3.69	5.42	6.25	6.70	8.91	10.81	11.77	7.98	84.48
1950-51	9.05	6.40	5.17	3.44	3.97	6.04	4.42	7.88	8.56	11.41	11.62	9.99	87.95
1951-52	8.84	5.10	2.68	2.25	3.92	3.42	4.63	8.73	8.68	11.94	11.80	11.43	83.42
1952-53	9.22	4.39**	2.55**	3.48**	5.66	5.50	5.26**	8.54**	8.16	11.40	11.38	9.82	85.36**
1953-54	9.01	5.62	5.97	3.30**	5.15**	3.96	5.42	7.02	8.03	11.24	10.09	11.44	86.25**
1954-55	8.65	5.59	4.28	2.60	4.06	5.18	7.45	5.56	7.58	9.77	11.12	11.40	83.24
1955-56	7.72	5.19	2.53	2.82	3.12	6.53	4.41	6.01	9.28	10.03	10.86	11.62	80.19
1956-57	6.46	7.85	6.27	2.34	2.53	3.58	5.35	5.44	8.72	11.96	12.11	9.32	81.93
1957-58	5.07	4.00	3.60	3.88	2.28**	2.97	5.36	8.10	9.66	11.13	9.92	11.16	77.13**
1958-59	8.88	6.09	6.13	4.18	3.00**	7.28	6.89	6.94	9.49	11.32	10.92	7.59	88.71**

NOTE: FORMERLY AT STATION #75B, EDISON INTAKE TO NOVEMBER 1937.
1940 SUMMER AND FALL TOTALS LOW DUE TO WATERING OF LAWN AND SHRUBS NEAR PAN.
" A" DECEMBER 1937, SEE LEGEND.

EVAPORATION AT SAN GABRIEL DAM

STATION #425B

(FLOATING PAN F-30)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1939-40	4.78*	3.72	2.72	1.58	2.00	3.42	4.17	6.93	7.58	9.66	8.45	6.06	61.07**
1940-41	5.32	3.65	2.08	1.92	1.52	2.48	3.42	6.94	7.00	8.70	7.95	5.96	56.94
1941-42	5.24**	4.26	1.88	2.30	2.98	4.57	3.32	5.46	5.56	9.22	8.04	6.00	60.90**
1942-43	4.74	3.50	2.68	INC.	N.R.	N.R.	INC.	6.30	7.18	7.66	8.42	7.50	INC.
1943-44	5.34	4.47	1.89	2.04	1.46	2.81	4.32	4.92	5.85	7.54	9.18**	7.26	57.08**
1944-45	5.42	2.70	2.62	2.72	1.80	1.92	4.18	5.28	4.73	6.96	8.15	7.86	54.54
1945-46	4.50	4.13	2.38	3.66	2.36	3.02	3.88	4.30	7.22	8.30	9.46	8.33	61.54
1946-47	5.89	3.00	2.23	3.00	2.10	2.80	4.56	5.66	6.30	10.56	8.94	7.54	62.58
1947-48	5.80	5.78	3.37	3.76	2.58	3.33	4.11	6.20	6.34	9.88	9.70	9.00**	70.85**
1948-49	5.29	4.77	2.30	1.87	1.65	3.02	4.86	5.64	7.60	9.20	9.94	8.06	65.20
1949-50	6.63	4.71	3.03	1.82	2.62	4.01	4.68	5.44	7.48	9.38	11.13	7.66	68.59
1950-51	7.31	4.87	3.86	2.56	3.10	5.04	INC.	N.R.	N.R.	N.R.	N.R.	N.R.	INC.
1951-52	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	INC.	6.26	6.72	9.02	9.32	8.02	INC.
1952-53	7.52	INC.	N.R.	INC.	4.00	4.30	4.32**	6.96	8.72	9.57	10.54	5.42	INC.
1953-54	DISCONTINUED												

STATION #425B

(SCREENED LAND PAN)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1946-47	4.96	2.51	2.17	3.18	2.42	3.10	4.86	5.90	6.24	10.95	8.90	8.42	63.61
1947-48	5.92	4.78	3.15	4.26	2.98	3.28	4.24	6.14	6.27	9.74	9.43	9.36	69.55
1948-49	5.56	5.34	2.48	1.96	1.78	3.06	5.08	5.66	7.81	9.06	9.56	8.97	66.32
1949-50	6.22	5.42	3.38	1.74	2.64	3.94	4.66	5.29	7.14	8.85	9.24	6.29	64.81
1950-51	6.78	4.82	3.90	2.50	2.67	4.48	3.34	6.06	8.42	9.07	9.13	7.62	67.19
1951-52	6.51	3.84	1.96	1.64	2.96	2.60	3.54	6.72	6.94	9.62	9.48	8.74	64.55
1952-53	6.87	3.34**	1.96**	2.54**	4.24	4.12**	4.12	6.90**	6.79	9.28	9.04	7.63	66.83**
1953-54	6.78	4.00	4.22	2.20**	3.78**	3.00	4.27	5.30	6.21	8.78	7.82	8.78	65.14**
1954-55	6.44	4.04	2.85	1.78	3.03	3.88	5.74	4.27	5.92	8.00	8.84	8.98	63.77
1955-56	5.67	3.47	1.92	2.04	2.30	5.00	3.67	4.74	7.16	8.10	6.78	9.40	62.25
1956-57	4.85	5.66	4.20	1.75	1.77	2.84	4.30	4.40	6.64	9.38	9.82	7.40	63.01
1957-58	3.73	3.18	2.74	2.84	1.78	2.24	4.16	6.48	7.54	8.57	7.94	8.92	60.52
1958-59	6.78	4.62	4.48	3.12	2.25**	5.44	5.30	5.38	7.38	9.00	9.04	6.74	69.53**

STATION #425B

(FLOATING PAN F-36)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1947-48	6.94	5.90	3.59	4.00	2.58	3.45	4.27	6.52	6.49	10.15	10.28	9.67**	73.84**
1948-49	5.54	5.04	2.44	2.02	1.84	3.26	5.12	5.88	7.85	9.62	10.45	9.59	68.65
1949-50	7.05	4.96	3.22	2.02	2.66	4.34	5.10	5.64	7.88	9.60	10.77	7.63	71.09
1950-51	7.60	5.00	3.88	2.63	3.16	5.18	INC.	N.R.	N.R.	N.R.	N.R.	N.R.	INC.
1951-52	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	INC.	6.42	7.26	9.27	9.94	8.58	INC.
1952-53	8.06	INC.	N.R.	INC.	4.34	4.64	4.54	7.54	7.22	10.31	10.56	5.75	INC.
1953-54	N.R.	N.R.	N.R.	N.R.	4.05**	3.52	INC.	INC.	7.13	9.74	9.96	9.59	INC.
1954-55	7.38	4.44	3.28	2.23	3.58	4.82	6.67	5.24	7.28	9.05	10.02	9.94	72.94
1955-56	6.62	4.17	2.18	2.28	3.17	5.04	3.89	5.66	7.51	8.82	9.57	9.84	68.75
1956-57	N.R.	INC.	4.50	2.06	2.17	3.60	4.88	5.49	7.38	10.64	10.98	8.30	INC.
1957-58	4.36	3.44	3.07	3.04	1.79*	2.34	3.79*	6.52*	7.76**	N.R.	INC.	9.22	INC.
1958-59	7.00	4.86	4.17	3.08	2.54*	5.85	5.66**	6.29	8.01	10.06	10.13	7.17	74.82**

EVAPORATION AT PICKENS DEBRIS BASIN

STATION #468

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1941-42	4.83	3.95	1.61	2.20	3.13	3.94	3.53	6.44	6.62	10.74	8.42	7.03	62.44
1942-43	5.59	3.72	2.80	2.86	2.54	2.12	3.66	7.41	8.81	9.38	9.05	9.42	67.56
1943-44	6.15	4.34	2.29	2.30	2.23	4.45	5.73	5.90**	5.94	9.19	8.00	7.15	63.67**
1944-45	4.62	2.74	2.44	2.40	2.40	3.88	5.76	4.94	3.03	5.98	6.98	5.80	50.97
1945-46	3.29	3.55	2.01	3.73	2.08	3.30	3.14	2.35	6.05	6.87	8.50	7.05	51.97
1946-47	3.14	2.14	1.52	2.68	1.88	2.44**	4.08	4.20	4.68	7.22	7.12	6.72	46.82**
1947-48	3.90	3.84	2.17	2.89	2.57	2.33	3.90	4.94	5.02	7.62	6.75	6.31	52.43
1948-49	3.94	3.88	1.56**	1.36**	1.38	1.74	3.60	4.64	6.11	7.08	7.23	6.26	48.82**
1949-50	4.43	3.44	2.19	1.34	1.42	3.18	3.56	4.30	5.59	6.98	8.24	4.56	49.26
1950-51	4.53	3.43	2.57	1.86	2.12	3.64	2.86	4.71	5.02	7.42	7.02	5.84	50.72
1951-52	5.28	3.34*	2.04	1.15	2.34	2.10**	2.42	4.79	4.77	6.12	4.93	5.07	45.87**
1952-53	3.20	2.47	1.58	1.66*	3.23*	3.40**	3.33*	6.11*	6.28**	8.23	7.83	5.14	53.33**
1953-54	5.96	DISCONTINUED											INC.

EVAPORATION AT FAIRMONT

STATION #542

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1951-52	7.96	3.92	1.70	2.19	3.17	4.86	6.74	12.60	12.01	16.16	15.73	11.26	98.10
1952-53	8.81	3.23	1.53	2.69	3.88	5.61	7.74	8.98	12.48	17.84	14.92	11.41	99.12
1953-54	7.59	4.40	3.19	2.34	4.05	4.42	8.32	12.43	13.19	16.23	13.68	11.05	100.86
1954-55	8.61	3.82	2.03	1.16	2.42	5.76	6.99	8.84	12.53	15.68	15.55	12.33	95.84
1955-56	8.29	4.08	1.97	2.73	3.16	6.70	5.95	9.73	14.63	17.87	14.65	13.05	100.91
1956-57	7.14	4.60	3.48	3.22	2.39	5.65	7.24	8.55	14.38	17.42	16.51	11.39	101.97
1957-58	4.76	3.54	2.54	2.91	2.66	3.11	6.88	10.51	12.86	13.29	15.32	11.20	91.58
1958-59	7.73	4.46	3.96	3.55	2.39	7.05	9.57	11.07	15.64	18.24	15.77	10.66	110.09

EVAPORATION AT LOWER FRANKLIN RESERVOIR

STATION #794

(FLOATING PAN F-30)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1938-39	N.I.	N.I.	N.I.	2.40	2.00	2.18	3.56	4.43	5.04	5.88	6.07	6.19	INC.
1939-40	4.93	3.22	2.62	2.13*	1.50*	2.48	3.17	4.17	4.28	6.26	5.86	5.61	46.23**
1940-41	4.84	4.40	1.59	1.51	3.63	2.07	4.41	4.85	4.69	6.03	5.09	5.22	48.33
1941-42	3.88	3.39	1.41	1.97	1.87	3.35	2.29	4.85	4.42	5.96	5.66	5.01	44.06
1942-43	4.12	3.59	2.24	2.35	2.29	2.08	3.21	4.89	5.08	5.68	6.10	5.66	47.29
1943-44	4.58	4.14	1.24	2.24	2.13	3.59	3.43	3.60	4.22	4.96	5.89	4.65	44.67
1944-45	3.69	3.11	3.01	2.10	1.71	2.45	3.61	4.49	3.71	5.17	6.38	5.98	45.41
1945-46	4.23	4.07	2.43	2.87*	1.81	2.20*	2.52	3.33	4.68	5.52	6.37	4.98	45.01**
1946-47	4.70	2.82	1.86	DISCONTINUED									INC.

EVAPORATION AT LOWER FRANKLIN RESERVOIR

STATION #794

(F.C. 24" DIAMETER PAN)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1953-54	N.I.	N.I.	N.I.	N.I.	N.I.	3.66	3.53	5.45	6.10	8.83	7.75	7.11	INC.
1954-55	5.25	2.85	3.81	2.57	3.08	4.68	7.02	5.27	5.35	7.50	8.56	7.87	63.81
1955-56	4.56	4.91	2.24	1.92	2.94	4.96	4.01	4.76	6.70	8.14	7.78	7.61	60.53
1956-57	5.39	8.52	4.60	3.76	1.95	4.24	4.38	4.98	6.70	8.34	8.94	6.43	66.23
1957-58	5.18	3.76	2.53	3.14	2.25	2.48	4.57	6.61	7.91	8.40	8.52	6.94	62.29
1958-59	6.81	5.00	4.42	3.71	4.88	6.12	6.04	6.96	7.42	9.82	8.90	6.96	77.04

EVAPORATION AT EAGLE ROCK RESERVOIR

STATION #802B

(U.S.W.B. TYPE A PAN)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1955-56	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	7.84	7.05	8.18	INC.
1956-57	4.41	5.73	4.44	2.31	2.88	4.55	4.42	5.53	7.52	9.29	9.21	6.62	66.91
1957-58	4.11	3.65	3.40	3.77	3.25	2.95	5.96	6.80	7.84	8.28	7.55	7.19	64.75
1958-59	6.34	4.59	4.00	3.93	2.93	6.81	5.71	6.00	7.24	9.74	8.31	6.16	71.76

EVAPORATION AT LA FRESA - S.C. EDISON CO. SUBSTATION

STATION #1008

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1946-47	3.66	2.02	1.12	2.58	1.07	2.12	4.24	4.42	4.96	6.44	5.94	4.26	42.83
1947-48	3.12	2.36	1.46	1.32	2.08	2.48	3.80	5.00	5.14	6.39**	5.89	4.66	43.70**
1948-49	3.12	2.83	1.26	1.36	1.50	2.22	3.43	3.92	4.31	4.74	5.03	4.14	37.86
1949-50	3.60	2.52	1.65	1.35	1.07	2.02	3.24	4.12	4.48	5.22	5.11	3.60	37.98
1950-51	3.12	2.12	1.81	1.54	1.95	2.96	2.64	4.69	4.24	5.45	5.32	3.80	39.64
1951-52	3.51	2.16	1.63	1.38	1.97	2.45	2.72	4.56**	4.89**	5.03**	4.96	3.98	39.24**
1952-53	2.90	2.02	1.24	1.51**	2.66	3.08**	3.38*	6.14**	4.61	5.80	4.70	3.52	41.48**
1953-54	3.70	2.54	2.13	1.34	2.36	2.52	2.80	3.78	4.58	5.28	4.80	3.96	39.79
1954-55	3.20	2.18	1.66	1.67	2.18	3.12	4.48	3.93	4.20	5.47	5.19	4.70	41.98
1955-56	2.83	2.02	1.02	1.22	1.94	2.99	2.60	4.07	4.70	5.80	5.21	4.07	38.47
1956-57	3.18	3.16	1.96	1.40	1.16	2.52	3.34	4.63	4.86	5.72	5.59	4.30	41.82
1957-58	2.86	2.10**	1.66	1.67**	1.58**	2.54**	3.92	4.62	5.84	6.18	5.32	5.62	43.91**
1958-59	4.22	3.18	2.10	1.75	2.19	3.60	4.28	5.40	5.85	6.54	5.62	4.12	48.76

EVAPORATION AT RIO HONDO SPREADING GROUNDS

STATION #1014D

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1951-52	3.51*	2.16*	1.48	1.33	2.38	1.69	1.92	4.85	4.50	6.23**	6.08	4.85	40.98**
1952-53	3.10	1.98	1.22	1.16	2.55	2.90	3.38**	6.56	5.31	7.24	6.08	4.34	45.82**
1953-54	4.12	3.55	2.79	1.39**	1.86	2.10	2.17	5.68**	5.00	6.33	5.86	5.30	46.15**
1954-55	3.70	3.10	2.22	1.98	2.02**	3.76**	4.84	3.88	4.38	5.58	6.66	5.66	47.78**
1955-56	3.61	3.15	1.59	1.82	1.76	3.30	2.65	4.12	5.05	5.83	5.60	5.38	43.86
1956-57	3.34	4.18	2.96	1.31	1.46	2.50	3.28	3.30	4.45	6.48	6.10	4.35	43.71
1957-58	2.88	1.85	1.80	1.84	1.28**	1.68	3.02	3.80	5.78	5.28	4.89	5.15	39.25**
1958-59	4.03	2.72	2.15	1.60**	1.66	3.35	3.82	4.35	5.20	7.00	6.35	4.58	46.81**

EVAPORATION AT ARCADIA - ARBORETUM

STATION #1037

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1951-52	4.22*	1.96	1.14	.92	1.62	1.78	1.74	4.69	4.92	5.70	6.04	5.54	40.27**
1952-53	3.52	1.68**	1.14**	1.14**	1.68**	2.15**	3.76**	5.34	4.70	6.78	6.11	5.11	43.11**
1953-54	4.09	2.32	2.43	.95**	1.48**	1.74	1.91	3.16	4.29	6.52	5.78	5.26	39.93**
1954-55	3.74	2.02	1.27	.88	2.58	3.57	5.14	3.83	5.47	6.82	7.46	7.10	49.88
1955-56	4.10	3.09	1.56	1.83	2.31	4.12	3.12	4.55	6.40	7.60	7.19	6.83	52.70
1956-57	4.18	4.38	3.22	1.65	1.48	2.78	3.72	4.32	5.98	8.11	7.65	5.65	53.14
1957-58	3.42	2.46	2.19	2.24	1.54	2.34	3.92	5.16	6.59	7.34	6.86	6.77	50.83
1958-59	4.99	3.08	2.68	1.98	1.58	4.10	4.10	4.80	5.66	7.54	7.58	5.26	53.35

EVAPORATION AT DESCANSO GARDENS

STATION #1071B

	OCT	NOV.	DEC.	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1953-54	N.I	N.I.	N.I.	N.I.	N.I	N.I.	N.I.	INC.	4.46	6.55	5.22	5.12	INC
1954-55	3.84	2.64	1.95	1.60	2.16	2.39	3.46	3.22	4.34	5.53	6.44	5.60	43.17
1955-56	3.58	2.66	1.48	1.84	2.51	4.59	2.89	4.55	6.59	7.25	6.38	6.74	51.06
1956-57	4.23	5.18	3.96	1.97	1.84	3.04	3.92	4.20	6.02	8.48	8.18	6.92	57.94
1957-58	3.73	3.08	2.56	2.78*	1.37*	2.30**	3.82**	5.05	6.28	7.68	7.44	7.45	53.54**
1958-59	6.00*	N.R.	N.R.	N.R	N.R.	N.R	N.R.	N.R.	INC.	8.44	7.33	5.26	INC.

EVAPORATION AT GREEN VERDUGO RESERVOIR

STATION #1087

(U.S.W.B. TYPE A PAN)

	OCT	NOV.	DEC.	JAN	FEB	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1955-56	N.I.	N.I	N.I.	N.I	N.I	N.I.	N.I	N.I	N.I.	9.36	9.32	12.07	INC.
1956-57	5.44	10.15	8.27	3.81	3.43	5.87	5.54	5.76	10.23	11 79	10 52	8.86	89.67
1957-58	5.23	6.31	6.18	5.91	4.55	3.59	8.01	6.98	10.01	10.42	9.17	11 96	88.32
1958-59	9.87	6.48	8.54	6.23	4.47	9.21	7.65	6.49	9.58	11.66	10.17	7.00	97.35

LEGEND

N.I.	NOT INSTALLED
N.R.	NO RECORD
INC.	RECORD INCOMPLETE
#	RECORD INCOMPLETE - PAN WATER FROZEN
*	ESTIMATED
**	PARTLY ESTIMATED
^	PREVIOUS TO THIS DATE, PAN WAS SET IN GROUND 34 INCHES AND WATER SURFACE MAINTAINED AT GROUND LEVEL (2 INCHES BELOW TOP OF PAN). AFTER THIS DATE, PAN WAS SET IN GROUND 33 INCHES AND WATER LEVEL MAINTAINED AT GROUND LEVEL (3 INCHES BELOW TOP OF PAN). IN MOST CASES, THIS WAS ALSO THE DATE WHEN THE NEW TYPE REFERENCE GAGE (POINT GAGE) WAS INSTALLED. THE MEASURED RATE OF EVAPORATION WAS REDUCED AS A RESULT OF THESE CHANGES.

STATION NUMBERS ARE IDENTICAL WITH NUMBERS OF RAINFALL STATIONS AT WHICH EVAPORATION DATA ARE TAKEN.

RUNOFF RECORDS

RUNOFF

FOREWORD

This is the twenty-second annual or biennial report on runoff published since the inception of the Hydraulic Division (formerly the ''Hydrographic Department'') in April, 1927 1/. These reports cover 32 years of records on various streams and channels throughout the District.

VALUE OF RECORDS

Runoff records furnish the basic data necessary for:

1. Flood data.
2. Design and operation of dams, debris basins and spreading grounds.
3. Determination of the available water supply and conservation thereof by ground water replenishment.
4. Determination of the quantity of industrial and natural waste.

SUMMARY

The 1957-58 season was exceedingly wet. The rains were of such duration and frequency that excellent conservation of storm waters was achieved with but 2.2 per cent of rainfall wasting to the ocean from the San Gabriel drainage area and 14.5 per cent from the Rio Hondo. Runoff in the metropolitan area was about 200 per cent of average; in the Topanga Mountains, Santa Clara and north slopes of the San Gabriel Mountain areas, it was slightly above average; and the San Gabriel River mountain drainage produced 216 per cent of average. Storm peaks were generally of little consequence with the exception of streams draining the valley floor such as the Los Angeles River, Rio Hondo and Ballona Creek which produced sharp peaks from the short, high intensity storm of February 19.

The 1958-59 season produced below average runoff, with peak flows likewise extremely low, with few exceptions.

The following tabulation shows the yield from the industrialized and subdivided relatively impervious valley areas as compared to the mountainous areas:

	Built up Valley Area % of Average		San Gabriel Mountains % of Average	
Season	Runoff (a)	Precip.	Runoff (b)	Precip.
1957-58	202	150	195	146
1958-59	66	48	31	51

(a) Based on period of record of Alhambra Wash and Ballona Creek drainage areas.
(b) Based on period of record of San Gabriel River and Arroyo Seco drainage areas.

1/ Records prior to 1927 on some streams are available in either the office of the U.S.G.S. Water Resources Division, or in the office of the California State Department of Water Resources. Reference to these records, if available, can be found under ''Station Descriptions'' herein published.

EXTENT AND METHOD OF COLLECTING AND PRESENTING DATA

I. Distribution of Water-Stage Recording Stations by Watersheds

The Flood Control District operated 101 water-stage recording stations on streams during the 1957-58 and 1958-59 seasons, of which 93 were stream-flow stations. These records are published. The remaining eight are hydraulic study and spreading ground stations only, and the records are not published. These stations were distributed throughout the County as follows:

Drainage Area	No. of Stations
Los Angeles River	28
San Gabriel River	29
Rio Hondo	22
Ballona Creek	4
Santa Monica Mountains - Coastal	3
Santa Clara River	5
San Antonio Creek	8
Antelope Valley	2
Total	101

The locations of all stations are shown on Map III, page 65.

II. Types of Controls

The types of controls at which the gaging stations are located are listed below in order of predominance:

(1) Concrete-lined or riprap channels with no definite control point
(2) Artificial controls - concrete, placed rock, flumes and weirs
(3) Natural sections - shifting sand and gravel, clay or permanent rock

III. Types of Recorders Used

The flow stage is recorded by various types of automatic recorders, usually mounted over a concrete or corrugated iron pipe stilling well. The types of recording instruments used at stations are determined by the importance of the particular record, gage height range, time scale required, and the practicability of frequent access by a District hydrographer. Recorders used include the following makes: Au, H.C.F.[1]/, Friez, Stevens A35, Stevens L, Stevens F and Rational.

IV. Records of Recording Stream Flow Stations

These records are, in general, published under each station heading in four sections, giving the following information:

(1) Station descriptions which present pertinent data regarding location, drainage areas, channels, controls, regulations, diversions, available records, extremes of discharge, accuracy of records and operations.

(2) Lists of measurements for all actual meter measurements, together with observed water-stage, areas of cross-section and mean velocities. These lists include 4344 measurements taken by the District during 1957-58 and 2678 taken during 1958-59 at at 104 recorder stations, including measurements made at other than District stations.

[1]/ The H.C.F. Recorder was designed and developed in the District's Hydraulic Division Instrument Section.

(3) Mean daily runoff tabulations which show the mean daily runoff in second-feet; total monthly and yearly runoff in second-foot days and acre-feet.

(4) Hydrographs showing a curve of instantaneous rate of flow versus time for the larger storms of the period. In general, the storm producing the peak flow of the season at the station was selected and a hydrograph prepared. In addition, the storm producing the peak flow at the maximum number of stations on a major river system was selected and additional hydrographs prepared for this storm for stations not included above.

V. Records Provided by Other Agencies:

Included in this report, as additional information, are the records of the twenty-one permanent stream-flow recording stations owned and operated by the following agencies:

Owned by	Stations
U.S. Geological Survey, Water Resources Division	12
U.S. Corps of Engineers	6
Ventura County	1
San Gabriel River Water Committee	1
San Bernardino County Flood Control District	1

The Flood Control District cooperates with these agencies by taking stream-flow measurements to assist in developing station rating data. During the seasons covered by this report, 435 such measurements were taken. The U.S.G.S. in turn, publishes the records of 22 District stations in their Water Supply Papers for Pacific Slope Basins in California.

VI. Staff Gage Station Measurements

Records of 1166 measurements taken at various staff stations are also included herein. The measurements are correlated with the water-stage at an established metering section. Included in this type of record are the measurements of ''Rising Water at Whittier Narrows'' which are taken weekly at established staff gage stations. A graph of ''Rising Water'', showing mean monthly flow fluctuation for a period of 37 years, is included on page 357.

VII. Miscellaneous Station Measurements

In various drainage areas throughout the County, 1623 miscellaneous measurements were taken. These data were collected for specific purposes at irregular intervals and are insufficient to determine mean daily flow. They are listed and published by drainage areas.

VIII. Percolation Data

Numerous sets of percolation measurements were taken on selected reaches of sixteen streams. These are tabulated by streams.

IX. Summary of Seasonal Discharge

Table XIV, page 378, presents, for the entire period of record at all recording stations, a summary of the seasonal runoff in acre-feet, maximum, minimum and mean daily flows in cubic feet per second, and the season's peak discharge with date of occurrence.

X. Limitations

Occasionally, incomplete recorder records occur at certain stations. Flows for periods of incomplete record were estimated by various methods. In general, estimates are made by comparison with other flow records and rainfall data, or by interpolation between known or measured values.

In the tabulations of mean daily runoff, incomplete totals were avoided by estimating any missing or unreliable records. It is believed that estimating missing current records is more satisfactory than leaving records incomplete. Familiarity with a current season's

runoff characteristics facilitates making such estimates, while leaving the record incomplete may make it necessary to provide the estimate in later years, when the reconstruction of the available data would be much more difficult.

Only current meter measurements, pitot tube measurements and quantities determined by float velocities taken with depth soundings or over a known cross-section are published; other determinations are omitted.

Due to shifting channel conditions at many locations, the accuracy of the record depends largely on measurements made at critical points on each storm hydrograph.

RESPONSIBILITY

The collection of field data was the responsibility of the following District Hydrographers, Grade II:

District	
1	E.K. DeVore
2	R.J. Sarasua
2A	R.A. Waddicor
3	J. Holleron
4	E.S. Bonadiman
5	M.L. Sjostedt
6	R.V. Wood
7 & 8	J.R. Hyde
9 & 10	Horace R. Whisler

The above District Hydrographers were assisted by the following Hydrographers Grade I and Hydrographer Aids:

D.W. Bowman	R.A. Petersen
R.L. Brook	J.P. Roy
B.J. McBride	W.F. Twitty
H.A. Moses	G.L. Walter

During storm periods the hydrographers were assisted by the following men:

D.N. Buck 1/	J.A. Ocampo 1/
B.S. Caraba 2/	R.W. Pasqua 1/
M.D. Feiker 1/	J.D.H. Pitts 1/
M.M. Garcia 1/	E.R. Provencio 1/
E.T. Hemphill 1/	M.E. Stringer 1/
C.L. Keim 3/	G.L. Walton 3/
V.I. Medina 1/	A.J. Falcone 3/

1/ Operation and Maintenance Division Personnel
2/ Water Conservation Division Personnel
3/ Hydraulic Division Personnel

The field work and compilation of records was under the immediate supervision of R.E. Lindsay, Section Head, Runoff and Dam Records Section assisted by S.E. Blakely and F.E. Stunden. Preparation of the report for 1957-58 and 1958-59 was under immediate supervision of R.E. Lindsay assisted by S.E. Blakely.

All field work and office work was under the direction of W.J. Wood, Assistant Chief, Hydraulic Division to May 1, 1958 and M.F. Burke subsequent to May 1, 1958.

LEGEND

Stations are designated by numbers to which prefixes and suffixes are added to indicate ownership, operating agency and type of station. The letters used have the following connotations:

Prefix F - indicates the stations owned and operated by the Los Angeles County Flood Control District.

Prefix B - indicates a station owned by the San Bernardino County Flood Control District and operated by the Los Angeles County Flood Control District.

Prefix E - indicates stations owned and operated by the Corps of Engineers, Department of the Army.

Prefix U - indicates stations owned and operated by the United States Geological Survey, Water Resources Branch.

Prefix P - indicates stations owned and operated by the District, formerly operated by the Pasadena Water Department.

Prefix L - indicates station owned and operated by the District, formerly operated in cooperation with the Little Rock - Palmdale Irrigation District.

Prefix M - indicates station owned and operated by the Metropolitan Water District.

Prefix S - indicates station owned and operated by the San Gabriel River Water Committee.

Prefix V - indicates station owned and operated by the Ventura County Water Resources Division.

Suffix R - indicates a recorder station.

Suffix S - indicates a staff gage station.

Suffix B - indicates that the station has been moved. B represents second location,
or C C a third location, etc.

In working up the chart gage height record, the following legend is used for indicating estimates:

''a'' - No gage height record due to recorder or clock failure.

''b'' - No gage height record due to obstructed communication or sanded well.

''c'' - Gage height record affected by backwater.

''d'' - Gage height record doubtful.

''f'' - Gage height record partly estimated. (Estimated part represents less than 75 per cent of the flow; otherwise, a, b, c, or d, is used.)

''v'' - Gage height-discharge relation failed due to extreme and undetermined shift or unusual draw-down in stilling well.

These letters are placed in the discharge column; letters are not used if the estimated portion of the record represents less than 10 per cent of the mean daily flow or if the total flow is estimated at .05 cfs or less.

Zero gage height elevations shown in the station descriptions are based on U.S.G.S. mean sea level datum.

ACCURACY

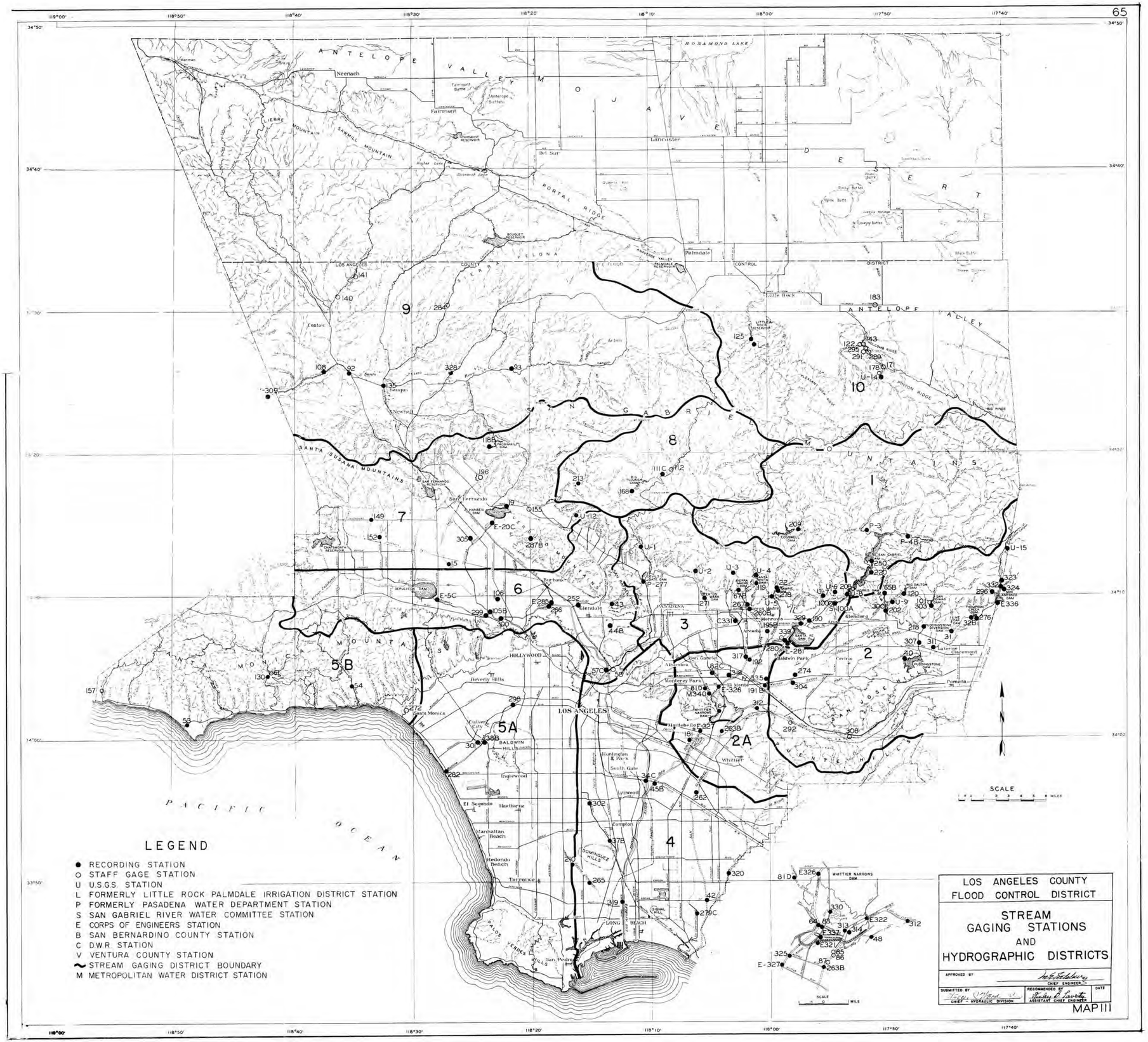
The legend used in plotting the hydrographs has the following significance:

The solid line indicates the portion of the hydrograph lying below the maximum meter measurement taken during the period of the storm, unless the control was stable and the stage discharge relation was well defined by other higher measurements.

The dash line indicates computed flow based on water-stage records and the stage discharge relation determined by float measurements or extrapolation.

The dotted line indicates estimated flow for periods when the water stage record was considered unreliable due to recorder failure or when the stage discharge relation failed due to extreme or undetermined shift.

The mean daily runoff tabulations are qualified under ''Accuracy'' in the Station Description. ''Excellent'' indicates that error in the record is probably less than 5%. ''Good'' indicates a possible error greater than 5% but probably less than 10% ''Fair'' indicates a possible error greater than 10% but probably less than 20%. ''Poor'' indicates a possible error greater than 20%.



LEGEND

- ● RECORDING STATION
- O STAFF GAGE STATION
- U U.S.G.S. STATION
- L FORMERLY LITTLE ROCK PALMDALE IRRIGATION DISTRICT STATION
- P FORMERLY PASADENA WATER DEPARTMENT STATION
- S SAN GABRIEL RIVER WATER COMMITTEE STATION
- E CORPS OF ENGINEERS STATION
- B SAN BERNARDINO COUNTY STATION
- C D.W.R. STATION
- V VENTURA COUNTY STATION
- ~ STREAM GAGING DISTRICT BOUNDARY
- M METROPOLITAN WATER DISTRICT STATION

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT

STREAM GAGING STATIONS AND HYDROGRAPHIC DISTRICTS

APPROVED BY _____ CHIEF ENGINEER

SUBMITTED BY _____ CHIEF - HYDRAULIC DIVISION

RECOMMENDED BY _____ ASSISTANT CHIEF ENGINEER

DATE

MAP III

STATION F81D-R
ALHAMBRA WASH near Klingerman Street

LOCATION: WATER-STAGE RECORDER, LAT. 34°03'22", LONG. 118°05'11", ON THE LEFT (EAST) SIDE OF CHANNEL ABOUT 250 FEET ABOVE KLINGERMAN STREET AND 2650 FEET BELOW GARVEY AVENUE, ELEVATION OF ZERO GAGE HEIGHT 243.74 FEET.

ABANDONED STATION F81-R, F81B-R AND F81C-R WERE 2650 FEET, 4050 FEET, AND 1750 FEET, RESPECTIVELY, UPSTREAM FROM STATION F81D-R.

DRAINAGE AREA: 14.5 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - CONCRETE 40 FEET WIDE BY 12.7 FEET DEEP TO BOTTOM OF INVERT WITH 0.5 FOOT FILLETS AT VERTICAL SIDE WALLS, CHANNEL FORMS CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING; HIGH FLOWS MEASURED FROM FOOTBRIDGE AT STATION.

RECORDER: A STEVENS A35 RECORDER WAS IN SERVICE FROM OCTOBER 1, 1957 TO SEPTEMBER 30, 1959.

REGULATION: NONE.

DIVERSIONS: NONE.

RECORDS AVAILABLE:
AT STATION F81-R: JANUARY 14, 1930 TO SEPTEMBER 30, 1934.
AT STATION F81B-R: OCTOBER 1, 1934 TO FEBRUARY 25, 1935.
AT STATION F81C-R: FEBRUARY 25, 1935 TO APRIL 27, 1936.
AT STATION F81B-R: APRIL 27, 1936 TO MAY 22, 1936.
AT STATION F81D-R: SEPTEMBER 2, 1936 TO SEPTEMBER 30, 1959.

EXTREMES OF DISCHARGE:
1957-58
MAXIMUM 4830 SECOND-FEET, FEBRUARY 19.
MINIMUM 0.4 SECOND-FOOT, AUGUST 14.
1958-59
MAXIMUM 3170 SECOND-FEET, JANUARY 6.
MINIMUM 0.2 SECOND-FOOT AT VARIOUS TIMES.
1929-59 (STATIONS F81-R, F81B-R, F81C-R F81D-R)
MAXIMUM 5010 SECOND-FEET, MARCH 2, 1938.
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: GOOD, FLOWS OCCASIONALLY ESTIMATED DURING LOW FLOWS.

REVISIONS: 1938-1942, PEAK FLOWS REVISED TO RECENT CURVE, SEE TABLE NO. PAGE NO.

OPERATION: LOCATED, OPERATED AND RECORDER HOUSE CONSTRUCTED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT: THE STILLING WELL AND COMMUNICATION CHANNEL WERE CONSTRUCTED BY THE CORPS OF ENGINEERS, DEPARTMENT OF THE ARMY.

DISCHARGE MEASUREMENTS OF ALHAMBRA WASH

AT OR NEAR Klingerman Street DURING THE YEAR ENDING SEPTEMBER 30, 1956

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	S. HT. CHANGE TOTAL	METER NO.
73	10/3	0856 / 0908	WADDICOR	7.0	0.85	0.74	0.21	0.63	.5	8	0		FC52
74	10/10	0855 / 0905	"	9.0	1.31	0.76	0.22	0.99	.5	7	0		"
75	10/17	0930 / 0940	"	11.5	1.33	0.90	0.20	1.2	.5	7	0		"
76	10/24	0910 / 0919	"	12.0	1.08	0.50	0.16	0.54	.5	7	0		"
77	11/7	0827 / 0838	"	12.5	1.49	0.81	0.21	1.2	.5	8	0		"
78	11/14	0830 / 0840	"	12.0	1.44	0.90	0.20	1.3	.5	7	0		"
79	11/21	0835 / 0850	"	12.3	1.07	0.62	0.17	0.58	.5	8	0		"
80	11/27	0838 / 0848	"	14.0	2.12	0.85	0.23	1.8	.5	8	0		"
81	12/5	0926 / 0952	ROY-ROBINSON	15.5	2.18	1.10	0.23	2.4	.5 / .6	9	0		"
82	12/12	0904 / 0914	WADDICOR	14.0	1.80	1.00	0.20	1.8	.5	8	0		"
83	12/19	0836 / 0848	"	14.0	1.80	1.17	0.20	2.1	.5	8	0		"
84	1/2	1040 / 1050	ROY	13.0	1.22	0.53	0.18	0.65	.5	8	0		"
85	5/22	0750 / 0800	WADDICOR	9.8	1.45	1.10	0.19	1.6	.5	11	0		"
86	8/14	0805 / 0810	ROY	13.0	1.00	0.45	0.20	0.45	.5	8	0		"
87	8/21	0900 / 0910	"	13.0	1.23	0.55	0.20	0.68	.5	8	0		"

DISCHARGE MEASUREMENTS OF ALHAMBRA WASH

AT OR NEAR Klingerman Street DURING THE YEAR ENDING SEPTEMBER 30, 1959

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	S. HT. CHANGE TOTAL	METER NO.
88	10/9	0640 / 0650	ROY	18.0	3.08	1.07	0.25	3.3	.5	10	+.06		FC52
89	10/20	0914 / 0924	WADDICOR	6.8	1.07	1.03	0.22	1.1	.5	8	0		"
90	11/20	0912 / 0919	"	9.0	0.68	0.68	0.20	0.46	.5	6	0		"
91	1/8	1205 / 1211	ROY	10.0	0.80	0.62	0.21	0.49	.5	6	+.03		"
92	1/15	0818 / 0825	"	10.0	0.68	0.37	0.20	0.25	.5	6	0		"
93	1/22	0948 / 0956	"	10.0	0.66	0.53	0.19	0.35	.5	6	0		"
94	1/29	0825 / 0830	ROY	10.0	0.68	0.46	0.20	0.31	.6	6	0		FC52
95	4/16	0940 / 0948	WADDICOR	9.0	0.82	0.82	0.20	0.67	.5	10	0		"
96	4/27	0846 / 0851	"	6.8	2.77	2.02	0.28	5.6	.6	8	0		"
97	5/7	0856 / 0908	"	9.0	0.86	0.63	0.09	0.54	.5	7	0		"
98	5/14	0859 / 0903	"	10.8	1.48	1.01	0.14	1.5	.5	7	0		"
99	5/21	0915 / 0925	"	12.0	1.10	1.00	0.12	1.1	.5	7	0		"
100	5/28	1012 / 1025	WADDICOR-LINDSAY	10.8	0.82	0.65	0.12	0.53	.5	9	0		"
101	6/4	0911 / 0923	WADDICOR	8.6	0.69	0.64	0.11	0.44	.5	9	0		"
102	6/18	0912 / 0925	"	8.8	0.69	0.61	0.11	0.42	.5	7	0		"
11	6/25	0908 / 0923	BROOK-WADDICOR	8.9	0.89	0.56	0.11	0.54	.5	11	0		"
11	7/2	0855 / 0912	BROOK	9.6	1.07	0.50	0.11	0.53	.5	13	0		"
11	7/9	0851 / 0910	"	10.0	0.91	0.56	0.12	0.51	.5	12	0		"
106	7/16	0932 / 0945	"	9.0	0.84	0.45	0.12	0.38	.5	11	0		"
107	7/23	0834 / 0848	WADDICOR	10.5	0.85	0.68	0.14	0.58	.5	10	0		"
108	7/30	0856 / 0907	"	9.5	0.69	0.59	0.12	0.42	.5	9	0		"
109	8/6	0845 / 0855	"	9.7	0.72	0.58	0.13	0.42	.5	9	0		"
110	8/13	0842 / 0854	"	10.0	0.94	0.64	0.14	0.60	.5	10	0		"
111	8/20	0915 / 0925	"	12.0	1.84	2.44	0.18	4.5	.5	7	0		"
112	8/27	0850 / 0900	"	7.1	0.75	0.59	0.13	0.44	.5	8	0		"
113	9/3	0927 / 0935	"	10.3	2.94	1.67	0.18	4.9	.5	7	+.02		"
114	9/10	0849 / 0857	"	8.4	0.90	0.56	0.11	0.50	.5	8	0		"
115	9/17	0935 / 0943	"	8.3	0.72	0.96	0.30	0.69	.5	8	0		"
116	9/24	0942 / 0949	"	9.8	1.10	1.09	0.26	1.2	.5	7	0		"

FORM Gk 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F81D-R

Daily discharge, in second-feet of ALHAMBRA WASH near Klingerman Street for the year ending September 30, 19 58

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	e 15	23	21	18	26	21	269	23	23	b 15	c 15	14
2	15	66	21	21	37	18	57	40	23	b 15	14	18
3	15	62	21	18	362	18	165	23	26	c 15	13	21
4	15	26	19	21	342	21	20	23	25	15	12	23
5	15	21	122	18	40	21	40	23	b 24	14	11	23
6	15	26	28	21	23	74	85	23	22	13	10	23
7	15	23	26	18	23	b 10	144	23	20	12	10	23
8	15	23	21	23	92	b 10	28	26	20	11	10	26
9	15	21	21	23	23	b 10	26	25	20	10	10	26
10	e 15	21	21	23	23	96	23	23	20	10	10	26
11	71	23	23	23	23	127	26	21	18	10	10	23
12	23	21	23	23	119	21	58	25	18	10	c 10	26
13	41	23	21	23	34	23	21	23	18	11	51	26
14	40	23	21	25	23	34	23	28	18	12	06	23
15	28	23	138	40	23	227	23	28	18	13	14 5	23
16	34	21	38	40	23	175	18	28	16	14	09	23
17	28	18	84	23	21	120	18	28	16	15	03	23
18	26	18	23	23	21	21	21	23	16	15	04	23
19	26	21	26	23	544	18	18	23	16	15	04	26
20	60	21	21	23	b 40	94	18	28	16	15	06	21
21	53	18	23	23	20	51	21	28	15	15	06	21
22	28	21	23	26	20	53	21	26	15	15	04	21
23	28	18	23	28	20	28	21	26	15	15	06	58
24	23	18	21	24	b 20	23	23	26	15	15	04	21
25	23	21	18	121	139	18	21	21	15	15	04	16
26	21	26	21	104	b 20	21	21	21	15	15	04	14
27	21	23	18	40	b 18	102	21	26	15	15	04	14
28	18	23	18	34	b 16	26	18	23	15	15	06	14
29	18	23	18	40		23	21	26	15	15	06	14
30	26	23	21	114		22	21	28	b 15	15	09	14
31	33		21	40		142		28		c 15	11	
		1521		3308		3051		786		425		667
	3024		4573		14951		7457		544		427	
MEAN	9.75	5.07	14.8	10.7	53.4	29.2	24.9	2.54	1.81	1.37	1.38	2.22
ACRE-FEET	600.	302.	907.	656.	2970.	1800.	1480.	156.	108.	84.	85.	132.

Remarks:

YEAR OR PERIOD MEAN 128.
ACRE-FEET 9270.

FORM Gk 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

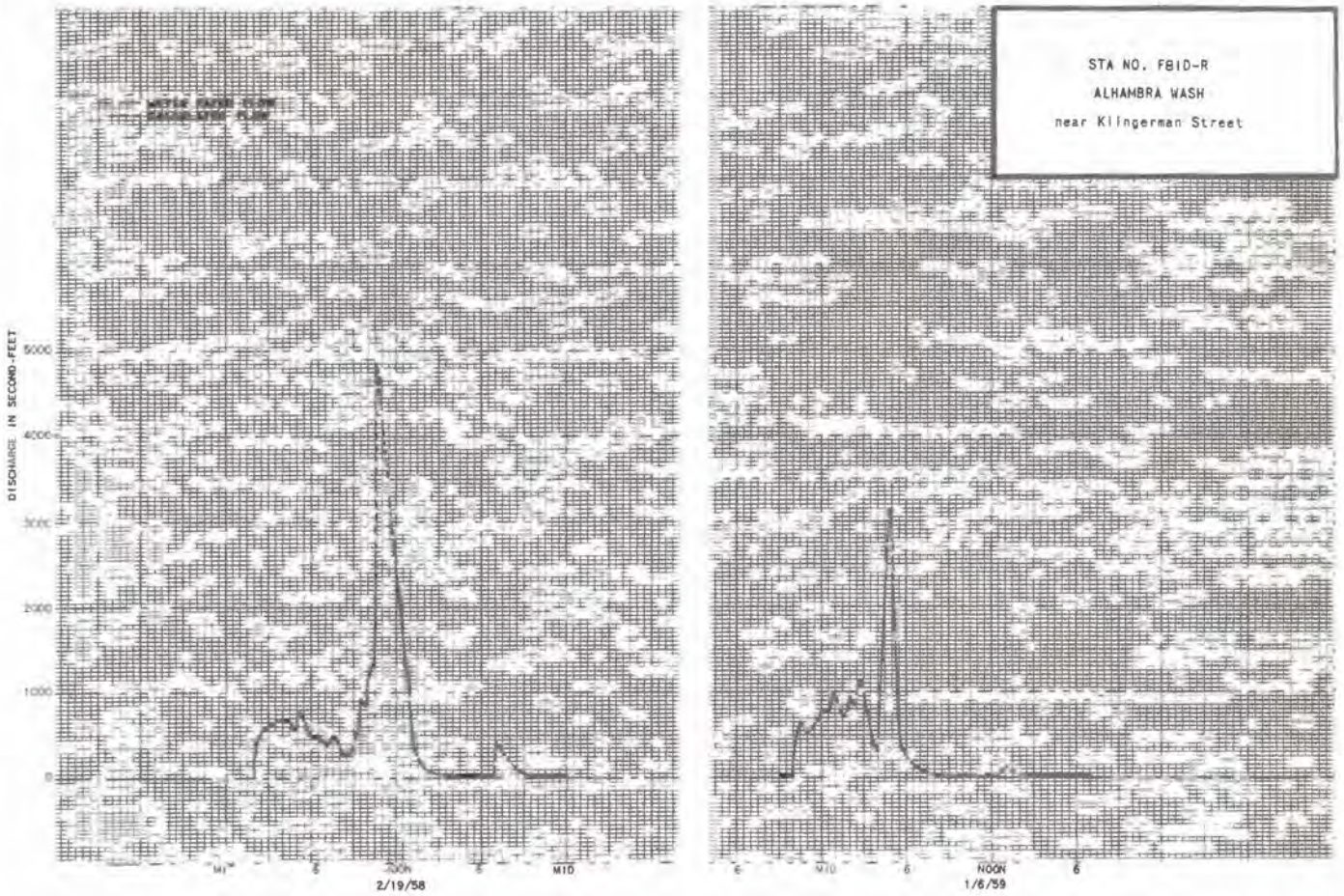
Sta. No. F81D-R

Daily discharge, in second-feet of ALHAMBRA WASH near Klingerman Street for the year ending September 30, 19 59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.8	1.6	0.9	0.9	0.6	b 0.4	b 0.9	1.6	0.4	0.6	0.6	1.6
2	1.8	1.6	0.9	1.1	0.6	0.6	b 0.9	1.6	0.4	0.6	0.9	2.1
3	1.6	1.8	1.1	1.1	0.6	0.9	b 0.8	1.4	0.4	0.6	0.6	2.6
4	1.6	2.3	1.4	1.4	0.6	1.1	1.1	1.1	0.4	0.9	0.4	1.8
5	1.8	1.8	1.4	47	0.4	1.1	0.9	1.6	0.4	0.9	0.4	2.1
6	1.8	1.8	1.4	279	0.6	1.1	0.6	1.4	0.4	0.4	0.4	1.8
7	1.8	1.6	1.4	0.6	0.6	1.1	0.9	0.6	0.4	0.6	0.4	1.4
8	1.8	1.8	1.4	0.4	89	1.1	0.9	0.6	0.4	0.6	0.4	1.1
9	2.8	1.6	1.1	0.6	0.9	1.4	0.6	0.9	0.4	0.6	0.4	0.9
10	2.6	4.4	1.4	0.6	8.2	1.4	0.9	0.4	0.4	0.6	0.4	0.9
11	2.3	2.3	1.4	0.4	206	1.1	0.6	0.4	0.4	0.6	0.4	0.9
12	1.8	2.3	1.4	0.4	14.2	1.1	0.6	0.4	0.4	0.6	0.4	0.9
13	1.6	1.8	1.6	0.3	0.6	1.6	0.6	0.3	0.4	0.6	0.4	6.2
14	1.4	1.1	1.1	0.3	0.4	1.4	1.1	0.4	0.4	0.6	0.6	1.4
15	1.4	1.4	1.1	0.3	23	1.1	1.1	0.6	0.4	0.6	0.9	1.6
16	1.1	0.9	1.4	0.2	267	1.1	0.6	0.6	0.4	0.6	1.1	1.4
17	1.4	0.6	1.4	0.2	0.6	0.9	0.9	0.4	0.4	0.6	1.4	0.9
18	1.1	0.6	1.1	0.3	4.3	1.1	0.6	0.9	0.4	0.6	1.8	0.9
19	0.9	0.9	1.4	0.4	0.4	1.1	0.4	1.1	0.4	0.6	2.1	1.4
20	1.1	0.9	1.6	0.6	0.4	1.6	0.6	1.1	0.3	0.6	2.6	1.1
21	1.1	0.9	1.6	0.4	61	0.9	0.6	1.1	0.4	0.6	2.3	1.8
22	1.1	0.9	1.4	0.4	b 0.4	0.9	0.4	1.1	0.4	0.6	2.1	1.6
23	9.6	0.6	1.8	0.3	0.2	1.4	0.6	1.1	0.4	0.6	1.6	1.6
24	10.3	0.4	1.1	0.3	0.2	1.4	0.6	0.9	0.6	0.6	1.4	1.6
25	4.9	0.6	1.1	0.4	0.2	1.4	89	0.9	0.6	0.6	1.1	1.4
26	2.8	0.6	1.1	0.3	1.1	1.3	17.6	0.6	0.6	0.6	0.6	0.6
27	2.1	0.4	1.4	0.3	0.2	1.2	4.6	0.6	0.9	0.6	0.4	0.6
28	2.3	0.6	1.1	0.3	b 0.3	1.1	2.6	0.6	0.6	0.6	0.9	0.6
29	2.1	0.6	1.6	0.4		1.1	2.3	0.6	0.6	0.6	1.1	0.4
30	1.6	0.4	1.1	0.9		1.0	1.8	0.6	0.6	0.6	1.1	0.2
31	1.4		0.9	0.6		b 1.0		0.4		0.6	1.4	
	1169		401		6826		1357		136		306	
		391		3407		350		259		190		414
MEAN	3.77	1.30	1.29	11.0	24.4	1.13	4.52	0.84	0.45	0.61	0.99	1.45
ACRE-FEET	232.	78.	80.	676.	1350	69.	269.	51	27.	38.	61	86.

Remarks:

YEAR OR PERIOD MEAN 4.17
ACRE-FEET 3020.



STATION M6NO-R
ALHAMBRA WASH - METROPOLITAN WATER DISTRICT OUTLET
near Rush Street

LOCATION: RECORDING VENTURI DISCHARGE METER, LAT. 34°03'06", LONG. 118°04'59", ON THE METROPOLITAN WATER DISTRICT MIDDLE FEEDER OUTLET TO ALHAMBRA WASH AND ON THE LEFT (EAST) SIDE OF THE CHANNEL ABOUT 300 FEET NORTH OF RUSH STREET.

RECORDS AVAILABLE: MARCH 28, 1958 TO SEPTEMBER 30, 1959. MONTHLY RECORDS ARE PUBLISHED HEREIN. AMOUNTS SHOWN ARE AS OF MIDNIGHT ON THE LAST DAY OF THE MONTH. APPROXIMATE MEAN DAILY FLOWS ARE AVAILABLE AT THE DISTRICT OFFICE.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE METROPOLITAN WATER DISTRICT IN COOPERATION WITH THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

MONTHLY DISCHARGE IN ACRE FEET:

	1957-58	1958-59
OCTOBER	0	3140.
NOVEMBER	0	7750.
DECEMBER	0	5920.
JANUARY	2310.	524.
FEBRUARY	5520.	5980.
MARCH	7450.	0
APRIL	5050.	0
MAY	13390.	0
JUNE	9620.	0
JULY	1870.	0
AUGUST	12110.	0
SEPTEMBER	6380.	755.
TOTAL	63,700.	24,070.

DISCHARGE MEASUREMENTS OF ALHAMBRA WASH - M.W.D. OUTLET

AT OR NEAR Rush Street DURING THE YEAR ENDING SEPTEMBER 30, 1958

NO.	DATE	TIME (HRS)	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1	1/20	1430 1455	WADDICOR	45.0	22.0	4.86		107.		.6	16		FC36
2	1/20	1520 1550	WADDICOR-LINDSAY	39.5	42.8	2.85		122.		.6	17		"
3	1/22	1428 1506	WADDICOR	40.0	45.8	3.17		145.		.6	21		"
4	1/29	1308 1338	"	40.5	42.9	3.38		141		.6	21		"
5	2/10	1435 1509	WADDICOR-BOWMAN	41.5	59.6	2.18		130		.6	23		FC42
6	2/22	1547 1604	ROY-TWITTY	29.0	39.7	3.32		132.		.6	16		FC51
7	2/28	1345 1405	ROY	30.0	48.0	2.65		127.		.6	17		FC26
8	3/19	1330 1406	WADDICOR	36.0	45.5	3.80		173.		.6	21		FC51
9	3/25	1335 1405	"	40.5	53.4	3.93		210.		.6	22		FC26
10	3/26	1358	"	VENTURI METER				196.					
11	3/28	1348	WADDICOR-GARCIA	"	"	"		201.					
12	6/11	0928 0952	WADDICOR	35.0	40.2	2.64		106.		.6	18		FC26
13	6/18	0815 0835	"	47.0	86.0	2.76		237.		.6	13		"
14	9/3	1500	"	VENTURI METER				99.0					
15	9/18	0855	"	"	"	"		100					
16	9/22	1303 1323	ROY-PETERSEN	38.0	49.6	2.01		99.8		.6	20		FC51
17	9/25	1020	WADDICOR	VENTURI METER				150.					
18	9/30	0920	"	"	"	"		40.0					

DISCHARGE MEASUREMENTS OF ALHAMBRA WASH - M.W.D. OUTLET

AT OR NEAR Rush Street DURING THE YEAR ENDING SEPTEMBER 30, 1959

NO.	DATE	TIME (HRS)	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
19	10/1	0909	WADDICOR	VENTURI METER				40.0					
20	10/14	0850	"	"	"	"		40.0					
21	10/22	1510	"	"	"	"		25.0					
22	10/23	1336	"	"	"	"		95.0					
23	10/24	1345	"	"	"	"		91.0					
24	10/27	1030	"	"	"	"		92.0					
25	10/28	0828	"	"	"	"		92.0					
26	10/30	1406	WADDICOR-WALTER		"	"		123.					
27	11/3	0817	WADDICOR		"	"		139.					
28	11/5	0815 0840	"	43.0	47.9	3.18		152.		.6	14		FC26
29	11/10	0857	"	VENTURI METER				140.					
30	11/12	0938	"	"	"	"		139.					
31	11/14	1000	"	"	"	"		139.					
32	11/17	0955	"	"	"	"		139.					
33	11/20	0937	"	"	"	"		139.					
34	11/20	1025 1048	"	43.0	48.6	2.76		134.		.6	15		FC26
35	11/24	1343	"	VENTURI METER				129.					
36	11/26	0928	"	"	"	"		91.0					
37	12/4	0815	"	"	"	"		91.0					
38	12/8	1400	"	"	"	"		98.0					
39	12/11	0902	"	"	"	"		98.0					
40	[redacted]	0600	"	"	"	"		98.0					
41	12/18	1600	"	[redacted]				98.0					
42	12/23	0827	"	"	"	"		98.0					
43	2/2	0800	"	"	"	"		110					
44	2/2	1615	"	"	"	"		253					
45	[redacted]	0914	"	"	"	"		253					
46	2/4	0835	"	"	"	"		250.					
47	2/5	0835	"	"	"	"		250					
48	2/12	0935	"	"	"	"		250					
49	2/13	0808	"	"	"	"		250.					
50	9/25	1645 1710	ROY	37.0	35.6	1.40		49.7			13	[redacted]	FC51

STATION F152B-R
ALISO WASH below Nordhoff Street

LOCATION: WATER-STAGE RECORDER, LAT. 34°14'07", LONG. 118°32'52", ON THE LEFT (EAST) BANK, 147 FEET BELOW THE HIGHWAY BRIDGE AT NORDHOFF STREET ABOUT ONE MILE NORTHWEST OF NORTHRIDGE AND 3600 FEET WEST OF RESEDA AVENUE, ELEVATION OF ZERO GAGE HEIGHT, 814.79 FEET. STATION MOVED TO PRESENT LOCATION DECEMBER 12, 1956. FORMERLY LOCATED 147 FEET UPSTREAM AT HIGHWAY BRIDGE.

DRAINAGE AREA: 7.61 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - CLAY AND SAND, 44-FOOT BOTTOM WIDTH WITH PIPE AND WIRE AT SIDES. A STABILIZER EIGHT FEET DOWNSTREAM ACTS AS A CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING, HIGH FLOWS MEASURED FROM UPSTREAM SIDE OF HIGHWAY BRIDGE.

RECORDER: AN H.C.F. RECORDER WAS IN SERVICE FROM OCTOBER 1, 1955 TO SEPTEMBER 30, 1959.

REGULATION AND/OR DIVERSIONS: NONE.

RECORDS AVAILABLE: NOVEMBER 3, 1939 TO JULY 15, 1947 AND AUGUST 31, 1948 TO SEPTEMBER 30, 1959. NO RECORD FROM JULY 15, 1947 TO AUGUST 31, 1948 DUE TO BRIDGE AND CHANNEL CONSTRUCTION.

EXTREMES OF DISCHARGE:
1957-58
MAXIMUM 745 SECOND-FEET DECEMBER 15.
MINIMUM NO FLOW MOST OF YEAR.
1958-59
MAXIMUM 381 SECOND-FEET JANUARY 6.
MINIMUM NO FLOW MOST OF YEAR.
1939-59
MAXIMUM DISCHARGE NOT DETERMINED FEBRUARY 20, 1941.
MAXIMUM 1750 SECOND-FEET JANUARY 22, 1943.
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: FAIR

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF ALISO WASH

AT OR NEAR below Nordhoff Street DURING THE YEAR ENDING SEPTEMBER 30, 1956

No.	DATE	TIME	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METH. OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	REMARKS
195	10/11	1744 1754	HYDE	3.5	0.57	1.53	1.18	0.87		.5	5	0	FC58
196	11/2	2327 2335	HYDE-FEIKER	13.0	3.45	2.80	1.32	9.5		.5	8	-.03	"
197	12/5	0200 0210	" "	14.0	4.91	3.30	1.45	16.2		.6	9	-.06	"
198	12/15	1307 1338	" "	45.0	66.3	6.36	3.10	421.		.6	11	-.43	"
199	12/15	1950 2000	" "	14.5	3.80	2.84	1.46	10.8		.6	10	-.03	"
200	12/16	1134 1137	HYDE	2.0	0.17	0.88	1.12	0.15		.5	4	0	"
201	12/17	0420 0430	HYDE-FEIKER	14.0	2.97	3.23	1.42	9.6		.6	8	-.01	FC21
202	1/25	2255 2308	HYDE-HEMPHILL	15.5	6.65	3.83	1.70	25.5		.6	11	-.01	FC40
203	1/25	2350 2358	" "	13.7	7.56	4.44	1.71	33.6		.6	9	-.05	"
204	1/26	0829 0833	" "	2.0	0.45	1.25	1.17	0.56		.5	5	0	"
205	2/3	0202 0207	" "	9.3	4.27	4.48	1.46	19.1		.6	8	+.01	"
206	2/3	0220 0235	" "	19.0	11.6	4.39	2.00	50.7		.6	10	+.05 -.08	"
207	2/4	0356 0407	" "	15.5	9.81	4.50	1.65	44.2		.6	10	0	"
208	2/4	0905 0920	" "	19.0	16.3	5.17	2.00	84.3		.6	12	-.05	"
209	2/5	1000 1004	" "	3.2	0.57	1.23	1.11	0.70		.5	6	0	"
210	2/19	0755 0808	HYDE-MEDINA	CHANNELS			1.97	101.		.6	15	-.04	"
211	2/19	0920 0943	" "	31.5	41.8	4.57	2.43	191.		.6	12	-.05	"
212	2/25	0620 0643	" "	31.0	56.5	6.27	2.75	354.		.6	11	-.20	FC58
213	2/25	1315 1320	" "	10.0	3.05	1.57	1.21	4.8		.6	7	0	FC40
214	2/26	1008 1012	HYDE	3.0	0.62	0.92	1.08	0.57		.5	6	0	"
215	3/15	1455 1505	"	14.5	8.63	4.29	1.43	37.0		.6	10	-.02	"
216	3/17	1518 1524	"	4.0	0.85	0.84	1.11	0.71		.5	7	+.01	"
217	3/22	0129 0144	HYDE-MEDINA	29.2	21.6	4.67	1.76	99.9		.6	11	.02	"
218	3/23	1153 1158	HYDE	4.5	1.26	1.75	1.11	2.2		.5	6	0	FC40
219	3/27	1113 1120	HYDE-BOYLES	15.0	12.5	4.76	1.56	59.5		.6	9	-.02	"
220	4/1	1337 1400	HYDE-FALCONE	30.5	34.6	6.86	2.12	238.		.6	10	-.33	FC58
221	4/2	0805 0815	FALCONE-HYDE	6.5	2.64	3.37	1.19	8.9		.6	10	0	FC40
222	4/3	0530 0545	HYDE-FALCONE	36.5	47.2	7.23	2.63	341.		.6	12	+.20	FC58
223	4/3	0608 0638	" "	34.0	53.3	8.06	2.80	434.		.6	9	-.16	"
224	4/5	1530 1536	HYDE-MEDINA	10.5	2.07	2.12	1.20	4.4		.6	8	0	FC40
225	4/6	1226 1238	HYDE-LUND	CHANNELS			1.45	56.5		.6	14	-.03	"
226	4/7	1420 1428	HYDE-MEDINA	9.5	3.35	2.95	1.20	9.9		.5	8	0	"
227	4/9	1445 1449	HYDE	5.0	1.05	1.62	1.13	1.7		.5	8	-.01	"
228	6/4	1345 1350	BOWMAN	2.0	0.20	1.15	1.10	0.23		.5	5	0	FC60

DISCHARGE MEASUREMENTS OF ALISO WASH

AT OR NEAR below Nordhoff Street DURING THE YEAR ENDING SEPTEMBER 30, 19 60

No.	DATE	TIME	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METH. OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	REMARKS
229	1/6	0615 0628	HYDE-MEDINA	CHANNELS			1.30	33.0		.6	14	±	FC40
230	1/6	0700 0710	" "		"		1.25	22.9		.6	14	±	"
231	2/11	0243 0256	" "		"		1.35	36.1		.6	13	-.02	"
232	2/16	0758 0808	" "	22.5	9.06	3.62	1.34	32.8		.6	14	+.01	"
233	2/21	1125 1130	BOWMAN-HYDE	11.0	4.71	3.65	1.26	17.2		.6	8	0	"

TED1KM Gk 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F152B-R

Daily discharge, in second-feet of ALISO WASH below Nordhoff Street for the year ending September 30, 19 56

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	72	0	0.8			+
2	0	4.2	0	0	+	0	10	0	+			+
3	0	0.2	0	0	16	0	98	0	+			0
4	0	0	+	0	58	0	b 88	0	0.4			0
5	+	0	1.7	0	0.4	0	b 56	0	+			0
6	0	0	0	0	0	+	24	0	0			+
7	0	0	0	0	0	0	33	0	0			0
8	0	0	0	0	0	0	7.6	0	0			0
9	0	0	0	0	0	0	2.8	+	0			0
10	0	0	0	0	0	0	a 1.0	+	0			0
11	0.9	0	0	0	0	0	a 0.6	0	0			0
12	0	0	+	0	0	0	0.4	0	0			0
13	+	0	0	0	0	+	0	0	0			0
14	0.1	0	0	0	0	5.3	0	0	0			0
15	0	0	8.6	0	0	29	0	0	0			0
16	0	0	1.7	0	0	21	0	0	0			0
17	0	0	2.0	0	0	0.8	0	0	0			0
18	0	0	0	0	0	0.4	0	0	0			0
19	0	0	0	0	47	0	0	0	0			0
20	0.3	0	0	0	0	6.0	0	0	0			0
21	+	0	0	0	0	14	0	0	0			0
22	0	0	0	0	0	22	0	0	+			0
23	0	0	0	0	0	0.4	0	0	0			0
24	+	0	0	0	0	0	0	+	0			0
25	0	0	0	3.5	63	0	0	+	0			+
26	0	0	0	2.1	0.4	0	+	0	STOPPED FOR SUMMER 6/25/58		0	+
27	0	0	0	0	0	10	0	0			+	+
28	0	0	0	0	0	0	0	0			—	0
29	0	0	0	0		0	0	+			+	0
30	0		0	0		0.3		0				0
31	0		0	0		2.1		+			0	
		4.4		5.6		111.5		+		+		+
	1.3		124.7		184.8		263.8		1.2		+	
MEAN	0.04	0.15	4.02	0.18	6.60	3.59	8.79	+	0.04	+	+	+
ACRE-FEET	2.6	8.7	247.	11	367.	221.	523.	+	2.4	+	+	+

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 1.31
ACRE-FEET 1380.

TED1KM Gk 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

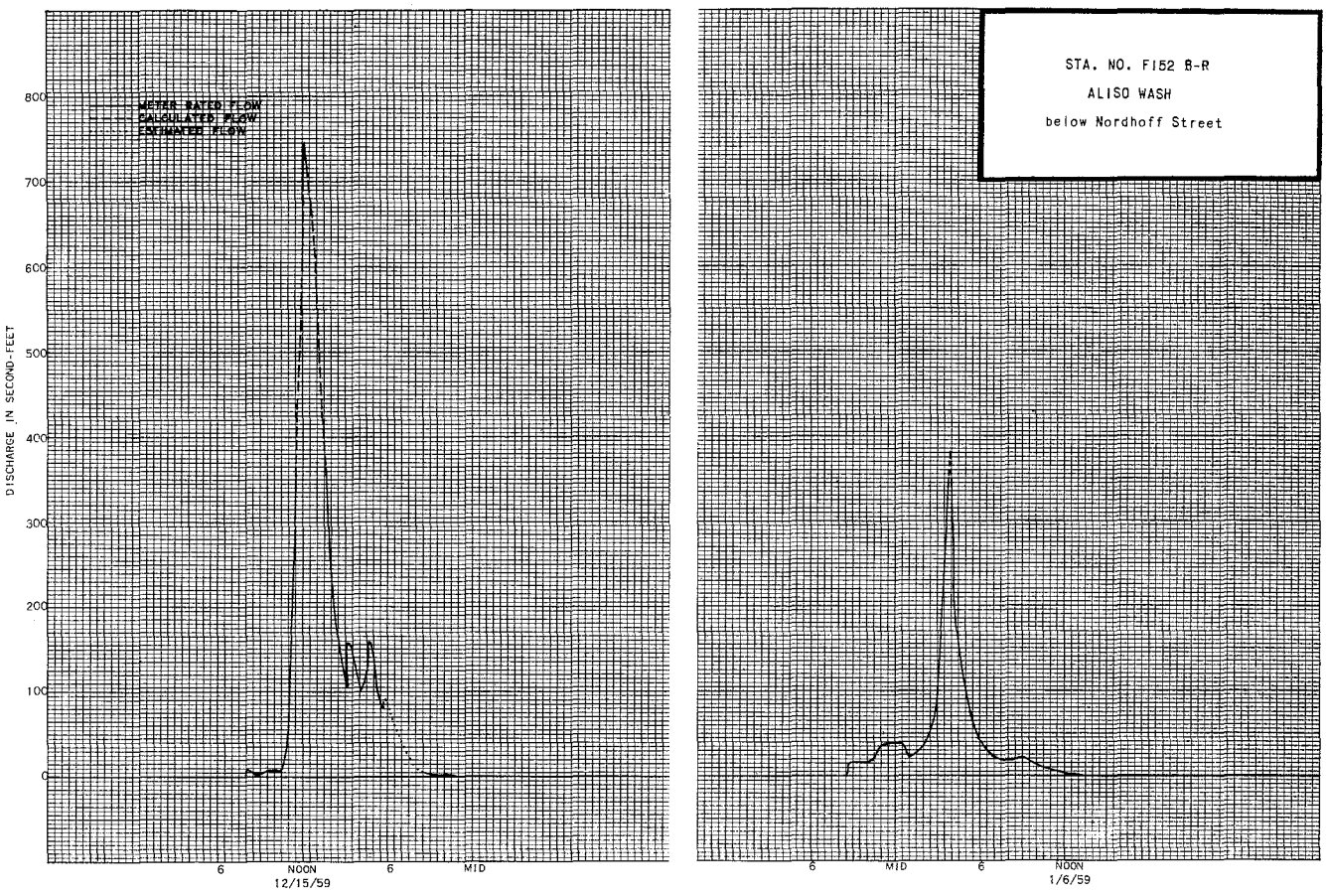
Sta. No. F152B-R

Daily discharge, in second-feet of ALISO WASH below Nordhoff Street for the year ending September 30, 19 59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	+	0	0.6	0	0	0	0				
2	0	0	0.7	0	0	0	0	0				
3	0	0	0	0	0	0	0	0				
4	0	+	+	0	0	0	0	0				
5	0	0	+	3.4	0	0	0	0				
6	0	0	0	3.2	0	0	0					
7	0	+	0	0	0	0	0					
8	0	+	0	0	0	0	0					
9	0	0	0	0	0	0	0					
10	0	0	0	0	+	0	0					
11	+	+	0	0	11	0	0					
12	0	+	0.9	0	0	0	0					
13	0	+	0	0	0	0	0					
14	0	0	0	0	0	0	0					
15	0	0	0	0	0	0	0					
16	0	0	0	0	16	0	0					0
17	0	0	0	0	0	0	0					0
18	0	0	0	0	1.0	0	0					0
19	0	0	0	0	0	0	0					0
20	0	0	0	0	0	0	0					0
21	0	0	0	0	7.2	0	0					0
22	0	0	0	0	0	0	0					0
23	0	0	0	0	0	0	0					0
24	1.9	0	0	0	0	0	0					0
25	+	0	0	0	0	0	0					0
26	0	0	0	0	0	0	0.2					0
27	0	0	+	0	0	0	0					0
28	0	0	+	0	0	0	0					0
29	+	0	0	0		0	0					0
30	+	0	0	0		0	0					0
31	+		0.6	0		0						
	1.9		2.2		35.2		0.2		0		0	
				36.0		0		0		0		0
MEAN	0.06	+	0.07	1.16	1.26	0	+	0	0	0	0	0
ACRE-FEET	3.8	+	4.4	71.	70.	0	0.4	0	0	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.21
ACRE-FEET 150.



STATION F317-R
ARCADIA WASH below Grand Avenue

LOCATION: WATER STAGE RECORDER, LAT. 34°05'45", 118°02'14", ON THE RIGHT (WEST) WALL OF ARCADIA WASH CHANNEL ABOUT 75' DOWNSTREAM FROM CENTER-LINE OF GRAND AVENUE. ELEVATION OF ZERO GAGE HEIGHT 298.17 FEET.

DRAINAGE AREA: 8.5 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL, RECTANGULAR CONCRETE, 32 FEET WIDE, 12 FEET DEEP WITH 0.5 FOOT RISE OF BOTTOM FROM RIGHT BANK TO LEFT BANK.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING, HIGH FLOWS MEASURED FROM UPSTREAM SIDE OF GRAND AVENUE BRIDGE.

RECORDER: A STEVENS TYPE A35 CONTINUOUS RECORDER IN SERVICE FROM OCTOBER 1, 1957, TO SEPTEMBER 30, 1959.

REGULATION: SEVERAL DEBRIS BASINS LOCATED UPSTREAM.

RECORDS AVAILABLE: DECEMBER 12, 1955 TO SEPTEMBER 30, 1959.

EXTREMES OF DISCHARGE:
1957-58
MAXIMUM 1930 SECOND-FEET FEBRUARY 19.
MINIMUM 0.1 SECOND-FOOT AT VARIOUS TIMES.
1958-59
MAXIMUM 1270 SECOND-FEET JANUARY 6.
MINIMUM 0.2 SECOND-FOOT AT VARIOUS TIMES
1955-59
MAXIMUM 1930 SECOND-FEET FEBRUARY 19, 1958.
MINIMUM NO FLOW AT TIMES.

ACCURACY: GOOD.

OPERATION: CONSTRUCTED BY THE CORPS OF ENGINEERS, DEPARTMENT OF THE ARMY, LOCATED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF ARCADIA WASH

~~at~~ below Grand Avenue DURING THE YEAR ENDING SEPTEMBER 30, 1958

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
15	10/22	1250 / 1302	HOLLERON	4.5	0.31	0.58	0.07	0.18		SURF	11	0	FC48
16	10/31	0750 / 0757	"	8.0	0.51	1.96	0.11	1.0		"	10	0	"
17	7/30	0815 / 0823	"	5.0	0.45	1.02	0.10	0.46		.5	8	0	"

DISCHARGE MEASUREMENTS OF ARCADIA WASH

~~at~~ below Grand Avenue DURING THE YEAR ENDING SEPTEMBER 30, 1959

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
18	7/16	1620	BOWMAN	4.0	0.45	1.40	0.10	0.63	FLOATS		5	0	
19	9/10	0742 / 0746	HOLLERON	4.0	0.26	1.69	0.10	0.44		"	5	0	
20	9/23	0756 / 0800	"	4.0	0.33	1.94	0.10	0.64		"	5	0	

76D714M Cib 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F317-R

Daily discharge, in second-feet of ARCADIA WASH below Grand Avenue, for the year ending September 30, 1958

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.4	0.4	0.3	0.4	0.1	0.4	110	0.9	0.5	0.4	0.5	0.5
2	0.4	24	0.3	0.4	12.4	0.3	3.1	1.2	0.5	0.4	0.4	0.5
3	0.4	1.2	0.3	0.4	94	0.4	90	0.9	0.5	0.9	0.4	0.7
4	0.4	0.4	8.1	0.4	123	0.3	7.6	0.7	0.5	0.5	0.4	0.5
5	0.3	0.5	50	0.4	1.4	0.3	1.8	0.7	0.5	0.5	0.4	0.5
6	0.3	0.3	0.7	0.4	0.9	33	28	0.7	0.7	0.4	0.4	0.5
7	0.3	0.3	0.4	0.3	0.7	0.4	70	0.9	0.5	0.5	0.5	0.7
8	0.3	0.3	0.4	0.4	1.2	0.4	2.1	0.9	0.5	0.4	0.5	0.7
9	0.3	0.2	0.4	0.4	0.7	0.3	1.4	0.7	0.5	0.4	0.4	0.5
10	0.4	0.2	0.4	0.5	0.7	4.6	1.4	0.7	0.7	0.4	0.4	0.5
11	32	0.3	0.4	0.4	0.7	5.8	1.2	1.2	0.7	0.5	0.4	0.7
12	0.4	0.3	0.4	0.4	2.2	9.5	1.2	0.7	0.5	0.4	0.4	0.5
13	10.0	0.3	0.4	0.5	0.7	0.9	1.2	0.7	0.5	0.4	0.5	0.4
14	13.9	0.3	0.4	0.3	0.4	0.4	1.2	0.5	0.5	0.4	0.4	0.4
15	0.5	0.3	6.8	0.3	0.4	7.3	1.2	0.5	0.5	0.4	11.6	0.5
16	0.4	0.2	2.2	0.3	0.4	5.8	1.2	0.5	0.9	0.4	0.5	0.5
17	0.4	0.1	3.0	0.3	0.4	5.0	1.2	0.7	0.5	0.5	0.4	0.5
18	0.4	0.2	0.7	0.3	0.5	0.5	1.2	0.5	0.7	0.5	0.5	0.5
19	0.4	0.3	0.7	0.3	212	0.5	1.2	0.9	0.5	0.4	0.4	0.5
20	14.8	0.3	0.7	0.2	0.9	32	0.9	0.9	0.5	0.4	0.5	0.4
21	1.5	0.2	0.5	0.3	0.7	18.1	0.9	0.7	0.5	0.4	0.5	0.4
22	0.4	0.1	0.5	0.3	0.5	18.6	0.7	0.7	0.4	0.4	0.5	0.5
23	0.4	0.1	0.4	0.2	0.5	0.5	0.7	0.7	0.4	0.5	0.5	1.3
24	0.4	0.2	0.4	0.4	0.5	0.5	0.9	0.5	0.7	0.4	0.5	0.9
25	0.4	0.2	0.4	51	44	0.5	0.7	0.5	0.5	0.5	0.5	0.4
26	0.3	0.3	0.4	55	0.4	0.7	0.7	0.5	0.5	0.4	0.5	0.5
27	0.4	0.3	0.4	0.4	0.4	30	0.9	0.5	0.7	0.5	0.5	0.5
28	0.4	0.3	0.4	0.3	0.5	0.7	0.9	0.5	0.5	0.5	0.5	0.5
29	0.4	0.3	0.4	0.3		0.7	0.9	0.7	0.4	0.5	0.7	0.7
30	0.9	0.3	0.4	13		4.8	0.9	0.5	0.4	0.5	0.5	0.7
31	13.5		0.4	0.2		12.2		0.5		0.4	0.5	
		32.7		117.0		313.3		21.7		14.1		16.9
	95.7		189.6		501.2		335.3		16.2		25.6	
MEAN	3.09	1.09	6.12	3.77	17.9	10.1	11.2	0.70	0.54	0.45	0.83	0.56
ACRE-FEET	190.	65.	376.	232.	994.	621.	665.	43.0	32.	28.0	51.	34.

Remarks:

YEAR OR PERIOD MEAN 4.60
ACRE-FEET 3330.

76D714M Cib 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

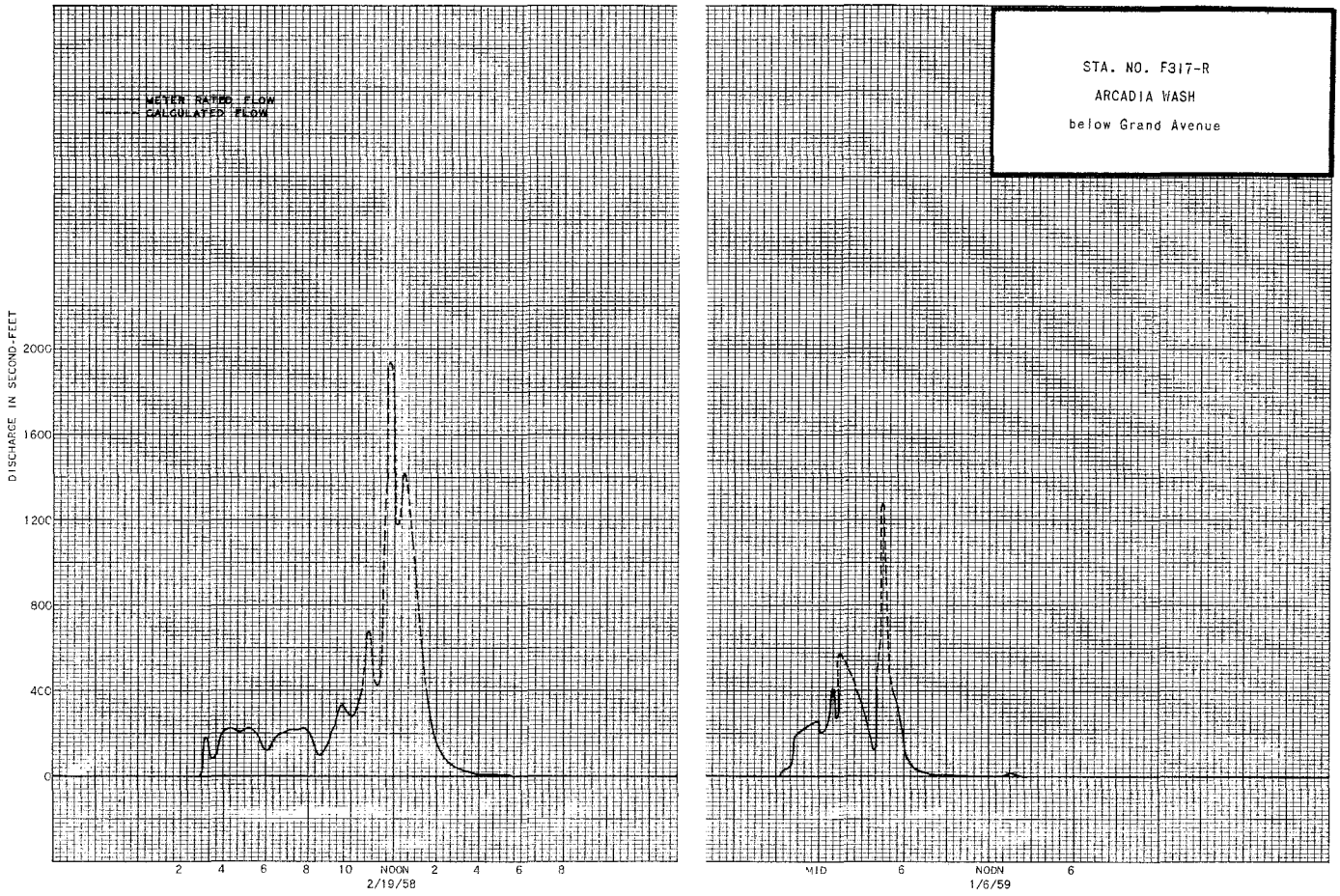
Sta. No. F317-R

Daily discharge, in second-feet of ARCADIA WASH below Grand Avenue, for the year ending September 30, 1959

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.5	b 0.5	0.5	0.4	0.4	0.4	0.5	0.7	0.4	0.3	0.4	0.5
2	0.5	0.5	0.5	0.5	0.4	0.5	0.4	0.7	0.4	0.3	0.4	0.7
3	0.5	0.5	0.5	0.5	0.4	0.5	0.5	0.5	0.4	0.3	0.4	0.7
4	0.5	b 0.5	0.5	0.5	0.4	0.5	0.5	0.5	0.4	0.3	0.4	0.9
5	0.5	0.5	0.7	18.5	0.5	0.4	0.5	0.5	0.4	0.3	0.4	0.5
6	0.5	0.5	0.7	107	0.5	0.4	0.5	0.7	0.4	0.2	0.5	0.5
7	0.5	0.5	0.7	0.9	1.2	0.5	0.5	0.5	0.4	0.3	0.5	0.7
8	0.5	0.5	0.7	0.7	42	0.4	0.4	0.5	0.4	0.3	0.4	0.4
9	0.5	0.5	0.9	0.7	0.9	0.4	0.4	0.5	0.4	0.4	0.4	0.5
10	0.5	1.5	0.9	0.9	3.6	0.4	0.3	0.5	0.4	0.4	0.4	0.9
11	0.5	1.5	0.9	0.9	85	0.4	0.3	0.5	0.3	0.4	0.5	1.4
12	0.5	0.5	0.5	0.5	4.6	0.4	0.2	0.5	0.4	0.4	0.4	1.4
13	0.5	0.5	0.5	0.5	0.9	0.4	0.3	0.5	0.3	0.5	0.4	0.7
14	0.5	0.7	0.4	0.5	0.9	0.5	0.3	0.5	0.3	0.5	0.7	0.5
15	0.5	0.5	0.5	0.4	7.8	0.9	0.3	0.5	0.3	0.5	0.4	0.4
16	0.5	0.5	0.4	0.4	127	0.5	0.3	0.5	0.3	0.7	0.4	0.4
17	0.5	0.7	0.4	0.4	0.9	0.4	0.3	0.5	0.3	0.7	0.4	0.4
18	0.5	0.5	0.4	0.4	0.9	0.4	0.3	0.5	0.3	0.5	0.5	0.4
19	0.5	0.5	0.5	0.4	0.7	0.5	0.3	0.5	0.5	0.5	0.5	0.4
20	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.5	0.5	0.5	0.4	0.4
21	0.5	0.5	0.5	0.4	24	0.4	0.4	0.5	0.5	0.5	0.5	0.4
22	0.5	0.9	0.5	0.4	0.7	0.4	0.4	0.5	0.7	0.5	0.4	0.5
23	0.7	0.7	0.5	0.4	0.5	0.4	0.4	0.4	0.5	0.5	0.4	0.5
24	8.4	0.7	0.5	0.4	0.5	0.4	0.4	0.4	0.5	0.5	0.5	0.5
25	3.6	0.7	0.5	0.5	0.5	0.4	3.6	0.5	0.5	0.4	0.7	0.5
26	b 0.5	0.7	0.5	0.5	0.4	0.4	5.1	0.5	0.7	0.4	0.7	0.5
27	0.5	0.7	0.5	0.5	0.4	0.4	0.5	0.5	0.5	0.4	0.4	0.5
28	0.5	0.7	0.7	0.5	0.5	0.4	0.5	0.5	0.7	0.4	0.7	0.5
29	0.5	0.7	0.7	0.5		0.4	0.5	0.5	0.4	0.4	0.5	0.5
30	0.5	0.7	0.5	0.5		0.4	0.5	0.4	0.3	0.4	0.5	0.5
31	b 0.5		0.5	0.5		0.4		0.4		0.5	0.7	
		59.1		17.5		307.0		52.2		12.8		14.8
		19.4		140.6		13.6		15.7		13.2		17.6
MEAN	1.91	0.65	0.56	4.54	1.10	0.44	1.74	0.51	0.43	0.43	0.48	0.59
ACRE-FEET	117.	38.	35.	279.	609.	27.	104.	31.	25.	26.	29.	35.

Remarks:

YEAR OR PERIOD MEAN 1.87
ACRE-FEET 1360.



STATION U1-5

ARROYO SECO above Mouth of Canyon

LOCATION: WATER-STAGE RECORDER AND BROAD-CRESTED WEIR CONTROL, LAT. 34°13'20" LONG. 118°10'36", NEAR NORTH LINE OF SEC. 31, T.2N., R. 12W., 1.5 MILES UPSTREAM FROM MILLARD CANYON AND 5.5 MILES NORTHWEST OF PASADENA, ALTITUDE OF GAGE 1397.88.

DRAINAGE AREA: 16.4 SQUARE MILES.

RECORDS AVAILABLE: DECEMBER 1910 TO SEPTEMBER 1959.

AVERAGE DISCHARGE: 45 YEARS (1913-15, 1916-59) - 9.02 SECOND-FEET.

EXTREMES:

1957-58
MAXIMUM DISCHARGE 715 SECOND-FEET APRIL 3, (GAGE HEIGHT 4.23 FEET).
MINIMUM DISCHARGE, NO FLOW ON MANY DAYS.

1958-59
MAXIMUM DISCHARGE 351 SECOND-FEET FEBRUARY 16. (GAGE HEIGHT 3.54 FEET).
MINIMUM DISCHARGE NO FLOW ON MANY DAYS.

1910-59
MAXIMUM DISCHARGE 8620 SECOND-FEET MARCH 2, 1938 BY SLOPE-AREA METHOD.
MINIMUM DISCHARGE NO FLOW AT TIMES IN SOME YEARS.

REMARKS: RECORDS GOOD; NO DIVERSIONS ABOVE STATION. MINOR REGULATION AT DEBRIS DAM 1.5 MILES UPSTREAM.

COOPERATION: RECORDS FURNISHED BY THE UNITED STATES GEOLOGICAL SURVEY. THIRTY-TWO DISCHARGE MEASUREMENTS FURNISHED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF ARROYO SECO

AT OR NEAR above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1958

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
2072	10/16		U.S.G.S.	1.9	0.70	0.21	0.50	0.15		.6	10	0	
2073	10/31		"	1.9	0.70	0.20	0.50	0.14		.5 / .6	11	-.01	
2074	11/6	0900 / 0914	HOLLERON	1.9	1.04	0.86	0.59	0.90		.6	11	0	FC48
2075	11/14		U.S.G.S.	1.9	1.00	0.52	0.55	0.52		.5 / .6	11	0	
2076	12/1		"	2.0	1.04	0.49	0.55	0.51		.6	8	0	
2077	12/9	0855 / 0907	HOLLERON	2.8	1.66	0.90	0.62	1.52		.6	11	0	FC48
2078	12/16		U.S.G.S.	24.0	24.5	2.90	2.13	71.0		.6	19	-.02	
2079	12/30		"	3.0	1.90	1.17	0.72	2.22		.6	11	0	
2080	1/8	0906 / 0914	HOLLERON	2.5	1.57	1.08	0.63	1.67		.6	7	0	FC56
2081	1/15		U.S.G.S.	2.4	1.52	1.14	0.64	1.73		.6	13	0	
2082	1/22	0916 / 0926	HOLLERON	2.4	1.42	0.92	0.62	1.30		.6	7	0	FC48
2083	1/26		U.S.G.S.	23.0	23.3	2.24	1.89	52.3		.6	21	-.01	
2084	1/30		"	16.4	11.3	0.65	0.85	7.39		.6	24	0	
2085	2/3		"	30.0	42.3	4.56	3.15	193.		.5 / .6	8	-.01	
2086	2/5		"	24.0	31.8	2.87	2.39	91.3		.6 / .5 / .6	18	-.02	
2087	2/14		"	19.0	12.1	0.99	1.11	12.0		.5 / .6	20	0	
2088	2/14		"	16.0	12.1	1.00	1.11	12.1		.5 / .6	17	-.01	
2089	2/19		"	32.0	49.8	4.71	3.20	234.		.5 / .6 / 2.8	14	0	
2090	2/21		"	21.0	16.4	1.67	1.46	27.4		.6	22	-.02	
2091	2/27		"	18.8	11.9	1.71	1.30	20.4		.6	19	0	
2092	3/13		"	18.8	9.13	1.28	1.03	11.7		.6	20		
2093	3/17		"	23.5	20.8	2.43	2.03	50.5		.6	25	-.01	
2094	4/1		"	35.0	67.0	7.52	3.67	477.		.6	6	-.14	
2095	4/2		"	27.0	33.6	3.57	2.78	120.		.6	10	+.02	
2096	4/3		"	35.0	80.0	7.76	3.78	621.		.6	8	-.10	
2097	4/7		"	33.0	4.41	3.24	2.78	143.		.6	20	0	
2098	4/15		"	22.5	19.6	2.55	1.88	50.0		.6	24	-.01	
2099	4/24		"	12.5	14.8	1.98	1.44	29.3		.6	26	-.02	
2100	5/6		"	16.3	9.25	1.47	1.16	13.6		.5 / .6	19	+.05	
2101	5/13		"	10.2	10.8	1.21	1.07	13.1		.5 / .6	22	-.01	
2102	5/28		"	6.2	5.39	1.41	0.87	7.61		.6	21	0	
2103	6/10		"	6.7	5.74	1.24	0.84	7.11		.6	14	+.01	
2104	6/11	1010 / 1024	HOLLERON	11.8	5.7	1.18	0.85	6.74		.6	14	0	FC56
2105	6/17		U.S.G.S.	6.7	5.14	1.04	0.84	5.35		.6	14		
2106	6/30		"	6.7	4.65	0.77	0.76	3.56		.5 / .6	14		
2107	7/15		"	3.6	2.39	1.14	0.75	2.72		.6	13	0	
2108	7/23	1052 / 1102	HOLLERON	3.4	2.34	1.07	0.75	2.52		.6	8	0	FC48
2109	7/31		U.S.G.S.	3.2	1.92	0.78	0.76	1.49		.6	11	-.01	
2110	8/6	1034 / 1044	HOLLERON	3.2	1.90	0.84	0.73	1.56		.6	9	0	FC48
2111	8/14		U.S.G.S.	3.4	1.81	0.61	0.73	1.10		.6	12	0	
2112	8/28		"	1.3	0.74	1.19	0.64	0.88		.6	6	-.01	
2113	9/9		"	1.4	0.72	0.89	0.58	0.64		.6	6	0	
2114	9/17	0954 / 1006	HOLLERON	4.8	1.18	0.46	0.57	0.54		.6	11	0	FC48
2115	9/25	0830 / 0850	ROY	5.0	1.49	0.81	0.61	1.2		.5 / .6	13	0	"
2116	9/29		U.S.G.S.	1.6	0.45	1.28	0.56	0.58		.5 / .6	7	0	

DISCHARGE MEASUREMENTS OF ARROYO SECO

AT OR NEAR above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1959

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
2117	10/14		U.S.G.S.	1.6	0.48	1.00	0.56	0.48		.6	9	0	
2118	10/22	1348 / 1354	HOLLERON	1.5	0.45	1.24	0.56	0.56		.5	6	0	FC48
2119	10/31		U.S.G.S.	2.0	1.36	0.72	0.61	0.94		.6	10	0	
2120	11/5	0941 / 0949	HOLLERON	2.3	1.07	0.93	0.61	1.02		.6	7	0	FC48
2121	11/14		U.S.G.S.	2.1	1.31	1.05	0.65	1.38		.8	8	-.01	
2122	11/19	0951 / 0959	HOLLERON	2.4	1.22	1.23	0.64	1.50		.6	8	0	FC48
2123	12/1		U.S.G.S.	2.1	1.34	0.98	0.64	1.31		.6	8	0	
2124	12/11	1526 / 1534	HOLLERON	2.3	1.08	1.11	0.65	1.22		.6	7	0	FC48
2125	12/17		U.S.G.S.	2.0	1.35	0.84	0.64	1.13		.6	8	0	
2126	12/26	1422 / 1430	HOLLERON	2.4	1.17	1.28	0.67	1.50		.6	7	0	FC48
2127	12/30		U.S.G.S.	2.1	1.35	0.88	0.66	1.20		.6	8	0	
2128	1/7		"	3.0	1.34	4.68	0.88	6.27		.5	9	0	
2129	1/14		"	2.5	1.62	1.30	0.71	2.10		.6	8	0	
2130	1/30		"	2.9	1.82	0.96	0.68	1.74		.6	10	0	
2131	2/4	1250 / 1258	HOLLERON	2.6	1.92	1.02	0.69	1.96		.6	8	0	FC48
2132	2/10		U.S.G.S.	2.6	1.88	1.40	0.76	2.63		.6	8	0	
2133	2/12		"	20.0	12.7	1.56	1.35	19.8		.6	18	0	
2134	2/12		"	20.0	13.1	1.72	1.34	22.5		.6	10	-.01	
2135	2/16		"	19.0	15.5	1.72	1.57	26.7		.6	11	+.03	
2136	2/25		"	3.2	2.42	2.24	0.86	6.53		.6	9	0	
2137	3/18	1055 / 1105	HOLLERON	3.2	2.12	1.25	0.72	2.65		.6	9	0	FC48
2138	3/25	1228 / 1236	"	3.2	2.01	1.18	0.73	2.37		.6	9	0	"
2139	3/30		U.S.G.S.	2.7	1.90	1.22	0.75	2.33		.6	10	0	
2140	4/1	1225 / 1235	HOLLERON	3.2	1.95	1.08	0.72	2.10		.6	9	0	FC48
2141	4/8	0942 / 0952	"	3.2	1.96	1.20	0.79	2.35		.6	9	0	"
2142	4/13		U.S.G.S.	2.8	1.76	0.81	0.76	1.43		.6	10	0	
2143	4/22	1310 / 1320	HOLLERON	3.2	1.76	0.85	0.78	1.50		.6	9	0	FC48
2144	4/29		U.S.G.S.	2.8	1.89	1.02	0.78	1.92		.5 / .6	12	0	
2145	5/6	1014 / 1024	HOLLERON	3.0	1.69	0.80	0.74	1.36		.6	10	0	FC48
2146	5/14		U.S.G.S.	2.6	1.66	0.75	0.74	1.24		.5 / .6	13	0	
2147	5/20	1332 / 1340	HOLLERON	3.0	1.62	0.70	0.76	1.14		.6	8	0	FC48
2148	5/29		U.S.G.S.	2.3	1.68	0.88	0.83	1.48		.6	11	0	
2149	6/3	1032 / 1042	HOLLERON	2.5	1.40	0.74	0.66	1.03		.6	6	0	FC48
2150	6/11		U.S.G.S.	2.5	1.27	0.50	0.68	0.63		.5 / .6	11	0	
2151	6/17	1018 / 1026	HOLLERON	2.2	0.54	0.78	0.68	0.42		.5	8	0	FC48
2152	6/24	1114 / 1120	"	2.2	0.50	0.64	0.56	0.32		.5	8	0	"
2153	6/30		U.S.F.S.	2.5	1.06	0.25	0.55	0.26		.5	14	0	
2154	7/8	1057 / 1103	HOLLERON	2.1	0.35	0.71	0.53	0.25		.5	7	0	FC48
2155	7/14		U.S.G.S.	1.1	0.33	0.61	0.55	0.20		.5	9	0	
2156	7/23	1002 / 1008	HOLLERON	1.1	0.25	0.96	0.54	0.24		.5	5	0	FC48
2157	7/31		U.S.G.S.	0.6	0.09	0.11	0.49	0.01				-.01	
2158	8/5	0905 / 0910	BOWMAN	0.5	0.11	0.91	0.51	0.10		.5	5	0	FC48
2159	8/12		U.S.G.S.				0.50	0.06	FLUME				
2160	8/19	0830 / 0840	BOWMAN	1.0	0.23	0.57	0.52	0.13		.5	6	0	FC48
2161	8/26	0825 / 0835	"	0.90	0.14	0.50	0.51	0.07		.5	4	0	"
2162	8/31		U.S.G.S.				0.47	0.01	FLUME				
2163	9/10	0810 / 0816	BOWMAN	0.90	0.12	0.50	0.50	0.06	FLOATS				
2164	9/16		U.S.G.S.	1.0	0.20	0.40	0.51	0.08		.5	11	0	
2165	9/21		"	1.0	0.20	0.55	0.51	0.11		.5	11	0	
2166	9/23	0934 / 0938	HOLLERON	1.0	0.21	0.71	0.51	0.15		.5	5	0	FC48

76D74M Gib 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U1-R

Daily discharge, in second-feet of ARROYO SECO above Mouth of Canyon, for the year ending September 30, 1959

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0.2	0.5	1.9	6.0	16	204	20	7.1	3.2	1.1	0.7
2	0	0.4	0.4	1.9	6.3	15	108	19	7.1	3.2	1.1	0.6
3	0	1.9	0.4	1.9	157	15	345	17	7.1	3.0	1.0	0.7
4	0	1.3	0.5	1.9	335	14	183	15	6.8	2.8	1.0	0.7
5	0	1.0	1.1	1.7	104	12	133	14	6.5	2.8	1.0	0.7
6	0	0.8	4.9	1.7	57	16	121	13	6.8	2.8	1.1	0.6
7	0	0.7	3.3	1.7	36	14	137	13	6.5	2.5	1.3	0.6
8	0	0.6	1.9	1.7	26	13	115	13	6.5	2.1	1.3	0.6
9	0	0.5	1.5	1.9	21	12	100	13	6.5	1.9	1.3	0.7
10	0	0.5	1.5	1.9	18	11	87	13	6.5	1.9	1.3	0.7
11	0.2	0.5	1.3	1.9	16	13	78	13	6.8	2.3	1.3	0.7
12	0.2	0.5	1.1	1.9	14	13	69	13	6.8	2.3	1.5	0.7
13	0.1	0.5	1.1	1.7	13	13	61	13	6.5	2.3	1.5	0.7
14	0.5	0.5	1.1	1.7	12	15	55	12	6.0	2.3	1.5	0.7
15	0.2	0.5	4.1	1.7	10	28	51	11	5.2	3.0	1.9	0.6
16	0.2	0.4	7.7	1.7	9.3	159	50	11	4.4	3.2	1.9	0.6
17	0.2	0.4	4.9	1.5	7.9	55	48	10	5.0	3.0	1.9	0.5
18	0.2	0.4	1.5	1.5	6.8	36	44	9.8	4.4	3.0	1.9	0.4
19	0.2	0.4	7.9	1.1	86	33	39	9.5	4.4	2.8	1.7	0.4
20	0.2	0.4	7.1	1.1	50	37	37	9.3	4.4	2.8	1.5	0.6
21	0.3	1.6	7.1	1.1	28	43	35	9.0	4.2	2.3	1.5	0.6
22	0.3	1.4	6.0	1.1	22	87	32	9.0	4.0	2.1	1.3	0.6
23	0.3	0.3	5.2	1.1	18	52	31	9.0	3.7	2.3	1.3	1.0
24	0.3	0.5	4.2	1.3	17	46	30	9.0	3.7	2.1	1.1	1.3
25	0.2	0.5	3.5	3.8	43	41	27	8.7	3.5	1.9	1.0	1.3
26	0.2	0.4	3.0	9.4	24	37	26	8.2	3.4	1.7	0.8	1.0
27	0.2	0.4	2.3	18	20	54	24	7.9	3.3	1.7	0.8	0.7
28	0.2	0.5	2.3	10	18	46	23	7.4	3.2	1.7	0.8	0.6
29	0.2	0.4	2.5	7.6		41	22	7.4	3.2	1.5	0.7	0.6
30	0.2	0.4	2.2	7.1		37	20	7.1	3.1	1.3	0.7	0.6
31	0.2		2.1	6.3		37		7.1		1.1	0.7	
	4.8		267.9		1181.3		2335		156.6		38.8	
		18.8		185.4		1061		351.4		72.9		20.8
MEAN	0.15	0.63	8.64	5.98	42.2	34.2	77.8	11.3	5.22	2.35	1.25	0.69
ACRE-FEET	9.5	37.	531.	368.	2340.	2100.	4630.	697.	311.	145.	77.	41.

Remarks:

YEAR OR PERIOD MEAN 15.6
ACRE-FEET 11,290.

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U1-R

Daily discharge, in second-feet of ARROYO SECO above Mouth of Canyon, for the year ending September 30, 1959

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.5	0.8	1.3	1.1	1.7	4.7	2.1	1.5	1.0	0.1	0	0
2	0.4	0.7	1.3	1.1	1.7	4.4	1.9	1.3	0.6	0.1	0	0
3	0.4	0.7	1.1	1.1	1.7	4.2	1.9	1.3	0.6	0.1	0	0
4	0.4	0.7	1.1	1.1	1.7	4.0	1.7	1.1	0.6	0.1	0	0
5	0.5	0.8	1.1	1.5	1.7	3.4	1.7	1.0	0.7	0.1	0	0
6	0.6	0.8	1.1	44	1.9	3.4	1.9	1.0	0.8	0.1	0	0
7	0.7	0.8	1.1	6.6	1.9	3.4	2.1	0.8	0.7	0.2	0	0
8	0.8	0.7	1.1	4.2	5.8	3.2	1.9	1.0	0.7	0.2	0	0
9	0.8	0.7	1.1	3.4	4.4	3.0	1.7	1.1	0.6	0.1	0	0
10	0.7	0.7	1.1	2.7	2.7	3.0	1.5	1.0	0.5	0.1	0	0
11	0.7	0.7	1.1	2.5	101	2.7	1.3	1.0	0.5	0.1	0	0
12	0.6	0.7	1.1	2.3	22	2.7	1.1	1.0	0.5	0.1	0	0
13	0.6	1.0	1.1	2.1	9.0	2.7	1.1	1.3	0.5	0.1	0	0
14	0.5	1.3	1.1	1.9	6.0	2.7	1.1	1.2	0.4	0.1	0.1	0
15	0.4	1.3	1.1	1.9	4.4	2.7	1.5	1.0	0.3	0.1	0.1	0.1
16	0.4	1.3	1.1	1.9	100	2.5	1.7	1.0	0.3	0.1	0.1	0.1
17	0.5	1.5	1.1	1.7	33	2.5	2.1	1.0	0.3	0.1	0.1	0.1
18	0.5	1.5	1.1	1.7	16	2.7	2.3	1.1	0.3	0.1	0.1	0.1
19	0.5	1.3	1.1	1.7	12	2.5	2.1	1.1	0.4	0.1	0.1	0.1
20	0.6	1.3	1.1	1.7	9.0	2.5	1.9	1.1	0.2	0.1	0.1	0.1
21	0.6	1.3	1.1	1.7	14	2.5	1.7	1.3	0.1	0.1	0	0.1
22	0.6	1.1	1.1	1.7	11	2.5	1.5	1.5	0.1	0.1	0	0.1
23	0.7	1.3	1.1	1.7	9.3	2.7	1.3	1.7	0.1	0.1	0	0.1
24	1.0	1.3	1.3	1.7	7.9	2.7	1.7	1.7	0.1	0	0	0.1
25	1.9	1.3	1.3	1.7	7.1	2.7	3.7	1.7	0.1	0	0	0.1
26	1.7	1.3	1.3	1.7	6.8	2.5	6.3	1.7	0.1	0	0	0.1
27	1.5	1.3	1.3	1.7	6.0	2.3	3.4	1.7	0.2	0	0	0.1
28	1.3	1.3	1.1	1.7	5.0	2.3	2.1	1.5	0.2	0	0	0.1
29	1.1	1.3	1.1	1.7		2.1	1.3	1.1	0.2	0	0	0.1
30	1.0	1.3	1.1	1.7		2.1	1.1	0.8	0.1	0	0	0.1
31	1.0		1.1	1.7		2.3		0.9		0	0	
	23.5	32.1	35.3	104.9	410.7	89.6	58.7	37.5	12.4	2.5	0.7	1.6
MEAN	0.76	1.07	1.14	3.38	14.7	2.89	1.96	1.21	0.41	0.08	0.02	0.05
ACRE-FEET	47.	64.	70.	208.	815.	178.	116.	74.	25.	5.0	1.4	3.2

Remarks:

YEAR OR PERIOD MEAN 2.22
ACRE-FEET 1610.

STATION P277-R
ARROYO SECO below Devils Gate Dam

LOCATION: WATER-STAGE RECORDER, LAT. 34°10'53", LONG. 118°10'21", ON THE (EAST) SIDE OF THE CHANNEL ABOUT 0.5 MILE BELOW DEVILS GATE DAM AND ABOUT 0.5 MILE ABOVE WASHINGTON STREET, PASADENA. ELEVATION OF GAGE 939.89 FEET.

DRAINAGE AREA: 32.5 SQUARE MILES.

CHANNEL AND CONTROL: NATURAL CHANNEL OF ROCK AND SAND FROM DEVILS GATE DAM TO THE STATION AT INTAKE STRUCTURE TO IMPROVED CHANNEL WHERE AN OGEE SECTION 80.2 FEET WIDE AND 18 FEET HIGH WITH A RECTANGULAR BROAD-CRESTED WEIR 14.2 FEET WIDE AND 1.0 FOOT HIGH WITH LOW FLOW NOTCH 1.0 FOOT HIGH BY 3.0 FEET WIDE AT THE TOP AND 2.0 FEET WIDE AT BOTTOM, FORMS THE CONTROL. LOW WATER NOTCH INSTALLED OCTOBER 1, 1953.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM FOOT BRIDGE BELOW STATION.

RECORDER: AN H.C.F. RECORDER WAS IN SERVICE FROM OCTOBER 1, 1953 TO SEPTEMBER 30, 1959.

REGULATION: FLOW REGULATED BY DEVILS GATE DAM AND PASADENA WATER DEPARTMENT'S GATED DIVERSION INTO CHANNEL ABOVE STATION.

DIVERSIONS: PASADENA WATER DEPARTMENT DIVERTS FLOW APPROXIMATELY TWO MILES ABOVE DEVILS GATE DAM FOR DOMESTIC USE. FLOW MAY BE DIVERTED TO CHANNEL BETWEEN DEVILS GATE DAM AND AND STATION FROM PASADENA WATER DEPARTMENT TUNNEL.

RECORDS AVAILABLE: NOVEMBER 30, 1942 TO SEPTEMBER 30, 1959. RECORDS PRIOR TO NOVEMBER 30, 1942 ARE AVAILABLE AT THE PASADENA WATER DEPARTMENT.

EXTREMES OF DISCHARGE:

1957-58
MAXIMUM 546 SECOND-FEET FEBRUARY 4.
MINIMUM NO FLOW PART OF YEAR.

1958-59
MAXIMUM 156 SECOND-FEET FEBRUARY 16.
MINIMUM NO FLOW AT VARIOUS TIMES.

1942-57
MAXIMUM 5640 SECOND-FEET JANUARY 23, 1943.
MINIMUM NO FLOW.

ACCURACY: FAIR.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE PASADENA WATER DEPARTMENT, JANUARY 1940. THE OPERATION TAKEN OVER BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT NOVEMBER 30, 1942 IN COOPERATION WITH THE PASADENA WATER DEPARTMENT.

DISCHARGE MEASUREMENTS OF ARROYO SECO

AT OR NEAR below Devils Gate Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 58

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC.FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
447	10/3	0800 / 0805	ROY	0.4	0.01	0.83	0.05	0.01		.5	3	0	FC48
448	10/31	0948 / 0952	HOLLERON	0.7	0.05	0.80	0.08	0.04		.5	5	0	"
449	12/5	0314 / 0322	HOLLERON-FLYNN	1.8	0.18	1.67	0.10	0.30		.5	7	0	"
450	12/12	0936 / 0940	HOLLERON	0.4	0.05	0.80	0.04	0.04		.5	5	0	"
451	12/15	1228 / 1236	HOLLERON-POLZIN	1.8	0.23	2.96	0.12	0.68		.5	6	+.01	"
452	12/19	1020 / 1024	HOLLERON	0.5	0.06	1.00	0.05	0.06		.5	5	0	"
453	12/26	0918 / 0923	"	0.6	0.09	1.67	0.08	0.15		.5	5	0	"
454	1/2	0926 / 0932	"	0.7	0.10	1.60	0.08	0.16		.5	5	0	"
455	1/9	0854 / 0900	"	0.8	0.12	1.50	0.11	0.18		.5	5	0	"
456	1/16	0910 / 0914	"	0.7	0.10	1.50	0.13	0.15		.5	5	0	"
457	1/22	1008 / 1014	"	0.8	0.09	1.78	0.11	0.16		.5	6	0	"
458	1/25	0920 / 0926	"	2.1	0.54	3.88	0.27	2.1		.4	7	0	"
459	1/30	0814 / 0820	"	1.8	0.22	1.11	0.12	0.24		.5	6	0	"
460	2/3	1320 / 1336	"	COMPOSITE				1.52	47.2	WEIR .6		0	FC56
461	2/3	1900 / 1920	HOLLERON-WALTON	49.0	27.4	10.4	2.17	284.		FLOATS	9	+.03	
462	2/4	1524 / 1612	" "	36.5	32.3	16.8	2.23	542.		.6	11	-.06	FC56 FC12
463	2/5	1530 / 1552	" "	36.0	27.7	15.1	2.33	418.		.6	10	0	FC12
464	2/6	1314 / 1400	HOLLERON	COMPOSITE				1.35	44.4	WEIR .6		0	FC56
465	2/10	0712 / 0735	"		"			1.15	17.7	.6		0	FC56
466	2/13	1010 / 1018	"	2.1	0.64	5.78	0.33	3.7		FLOATS	6	0	
467	2/19	1352 / 1410	HOLLERON-WALTON	19.0	23.1	2.89	1.60	66.8		.6	17	0	FC56
468	2/25	1402 / 1414	" "	CHANNELS				0.30	3.5	.6	9	0	FC48
469	3/6	0930 / 0940	HOLLERON	5.0	3.40	1.00	0.34	3.4		.6	9	0	FC56
470	3/13	1354 / 1410	"	5.5	2.47	1.34	0.34	3.3		.6	10	0	"
471	3/16	0200 / 0218	HOLLERON-WALTON	51.0	19.4	9.12	1.85	177.		.6	12	0	"
472	3/16	1332 / 1358	" "	25.0	40.0	1.98	1.60	79.1		.8	14	0	"
473	3/20	1700 / 1712	HOLLERON-WALTON	8.5	7.69	0.90	0.57	6.9		.6	10	0	FC56
474	3/21	1608 / 1634	HOLLERON	38.5	42.5	1.84	1.61	78.4		.6	17	0	"
475	3/24	1316 / 1330	"	8.8	9.32	0.98	0.73	9.1		.6	13	0	"
476	3/27	1427 / 1445	HOLLERON-WALTON	39.0	45.3	1.78	1.62	80.8		.6	18	0	"
477	3/31	1546 / 1602	HOLLERON	7.8	6.76	1.55	0.65	10.5		.6	16	0	"
478	4/2	1152 / 1218	HOLLERON-WALTON	43.0	61.1	2.37	1.84	145.		.6	19	-.2 -.8	"
479	4/3	1422 / 1444	" "	48.0	81.9	3.08	2.16	253.		.6	19	0	"
480	4/8	0906 / 0928	HOLLERON	40.0	54.3	1.97	1.70	107.		.6	18	0	"
481	4/8	1246 / 1310	"	36.0	41.2	1.43	1.51	59.0		.6	19	0	"
482	4/10	0910 / 0926	"	31.0	28.9	1.08	1.32	31.4		.6	16	0	"
483	4/24	0938 / 1054	"	17.5	15.7	1.13	1.00	17.8		.6	16	0	"
484	5/1	0920 / 0936	"	17.0	10.4	0.77	0.65	8.0		.6	16	0	"
485	5/8	0830 / 0844	HOLLERON	7.0	4.39	1.34	0.50	5.9		.6	13	0	"
486	5/15	0825 / 0835	MC BRIDE-HOLLERON	6.7	4.02	1.12	0.42	4.5		.6	13	0	"
487	5/22	1450 / 1500	HOLLERON	4.0	1.07	0.79	0.15	0.85		.6	9	0	"
488	5/28	0832 / 0840	"	4.0	1.10	0.75	0.14	0.83		.6	9	0	FC48
489	6/5	0846 / 0854	"	4.0	1.13	0.69	0.14	0.78		.4	9	0	"
490	6/11	1130 / 1138	"	3.8	1.03	0.73	0.13	0.76		.5	9	0	"
491	6/19	0828 / 0838	"	3.7	1.05	0.59	0.12	0.62		.5 .6	9	0	"
492	6/26	1600 / 1607	"	3.0	1.03	0.39	0.11	0.40		.6	7	0	"
493	7/2	1558 / 1604	"	3.2	1.06	0.33	0.11	0.36		.5	8	0	"
494	7/10	0900 / 0908	"	2.4	0.97	0.23	0.09	0.22		.6	8	0	"
495	7/17	0908 / 0918	"	2.7	0.66	0.33	0.07	0.22		.5	8	0	"
496	7/23	0920 / 0928	"	2.7	0.64	0.28	0.07	0.18		.5	8	0	"
497	7/30	0928 / 0936	"	2.2	0.44	0.27	0.06	0.12		.5	7	0	"
498	8/6	1146 / 1148	"	1.8	0.09	1.00	0.05	0.09		FLOATS	5	0	
499	8/13	1618 / 1622	"	1.8	0.06	0.83	0.04	0.05		FLOATS	5	0	

DISCHARGE MEASUREMENTS OF ARROYO SECO

AT OR NEAR below Devils Gate Dam DURING THE YEAR ENDING SEPTEMBER 30, 1959

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
500	2/11	1444 / 1448	HOLLERON-JOHNSON	1.5	0.35	0.89	0.07	0.31		.5	4	0	FC48
501	2/17	1118 / 1140	HOLLERON-ROY	43.0	74.8	2.04	1.90	153.		.6 / .8	17	0	FC56
502	2/19	0904 / 0911	HOLLERON	3.8	0.98	0.71	0.13	0.69		.5 / .6	8	0	FC48
503	2/26	0857 / 0903	"	2.0	0.56	0.59	0.08	0.33		.5	5	0	"
504	3/4	0853 / 0901	"	1.7	0.20	0.80	0.07	0.16		.5	6	0	"
505	3/11	0822 / 0826	"	1.6	0.15	0.95	0.06	0.14		.5	5	0	"
506	3/18	0906 / 0910	"	1.5	0.22	0.86	0.07	0.19		.5	5	0	"
507	3/25	1334 / 1340	"	1.5	0.40	0.48	0.06	0.19		.5	6	0	"
508	4/1	1310 / 1316	"	1.5	0.38	0.50	0.06	0.19		.5	6	0	"
509	4/8	1046 / 1052	"	1.2	0.31	0.58	0.06	0.18		.5	5	0	"
510	4/15	1118 / 1123	"	1.2	0.30	0.57	0.06	0.17		.5	5	0	"
511	4/23	0840 / 0844	HOLLERON	1.0	0.26	0.65	0.06	0.17		.5	5	0	FC48
512	4/30	0820 / 0830	BOWMAN	1.8	1.00	1.70	0.07	0.17	FLOATS		5	0	
513	5/6	1122 / 1126	HOLLERON	1.0	0.12	0.75	0.06	0.09		.5	5	0	FC48
514	5/13	1124 / 1128	"	0.90	0.13	0.69	0.06	0.09		.5	4	0	"
515	7/1	1002 / 1010	"	2.9	0.57	1.31		0.75		.5	8	0	"
516	7/8	0937 / 0943	"	2.6	0.43	1.26	0.15	0.54		.5	7	0	"
517	7/15	1034 / 1046	BOWMAN	2.6	0.43	1.23		0.53		.5	8	0	"
518	7/23	0838 / 0844	HOLLERON	2.3	0.38	1.32		0.50		.5	7	0	"
519	7/29	0815 / 0830	BOWMAN	2.3	0.39	1.15		0.45		.5	8	0	"
520	8/5	0950 / 1004	"	2.4	0.44	1.13		0.50		.5	8	0	"
521	8/12	0830 / 0845	"	2.3	0.42	1.05	0.12	0.44		.5	8	0	"

76D74M Gdb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. P277-R

Daily discharge, in second-feet of ARROYO SECO below Devils Gate Dam for the year ending September 30, 1958

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	+	+	0.2	0.2	3.4	7.8	8.0	0.8	0.4	0.1	0
2	+	0.3	+	0.2	0.4	3.4	14.3	8.0	0.8	0.4	0.1	0
3	+	+	+	0.2	11.2	3.4	13.9	8.0	0.8	0.3	0.1	0
4	+	+	0.2	0.2	33.6	3.4	26.8	7.3	0.8	0.3	0.1	0
5	+	+	0.6	0.2	35.1	3.4	20.3	5.9	0.8	0.3	0.1	0
6	+	+	+	0.2	4.6	3.4	12.7	5.9	0.8	0.3	0.1	0
7	+	+	+	0.2	4.5	3.4	10.8	5.9	0.8	0.3	0.1	0
8	+	+	+	0.2	4.4	3.4	8.1	5.9	0.8	0.2	0.1	0
9	+	+	+	0.2	2.8	3.4	6.2	5.7	0.8	0.2	0.1	0
10	+	+	+	0.2	10.2	3.3	4.2	5.5	0.8	0.2	0.1	0
11	0.1	+	+	0.2	3.8	3.3	3.2	5.3	0.8	0.2	0.1	0
12	+	+	+	0.2	3.8	3.3	3.1	5.1	0.8	0.2	0.1	0
13	+	+	+	0.2	3.5	3.3	2.1	4.9	0.8	0.2	+	0
14	+	+	+	0.2	3.3	3.3	11.7	4.7	0.7	0.2	+	0
15	+	+	0.5	0.2	3.2	4.3	12.7	4.5	0.7	0.2	+	0
16	+	+	0.1	0.2	3.0	12.3	16.9	4.5	0.7	0.2	+	0
17	+	+	0.4	0.2	3.0	5.7	18.5	4.5	0.6	0.2	+	0
18	+	+	0.1	0.2	3.0	6.9	19.5	4.5	0.6	0.2	+	0
19	+	+	0.1	0.2	3.9	6.9	20	2.5	0.6	0.2	+	0
20	+	+	0.1	0.2	6.9	6.9	20	0.8	0.6	0.2	+	0
21	+	+	0.1	0.2	6.6	7.7	21	0.8	0.6	0.2	+	0
22	+	+	0.1	0.2	3.0	8.1	20	0.8	0.5	0.2	+	0
23	+	+	0.1	0.2	4.8	7.9	18.5	0.8	0.5	0.2	+	0
24	+	+	0.1	0.2	3.8	4.5	18.0	0.8	0.4	0.2	+	0
25	+	+	0.1	0.5	3.8	2.6	18.0	0.8	0.4	0.2	0	0
26	+	+	0.2	0.5	3.4	2.3	17.4	0.8	0.4	0.2	0	0
27	+	+	0.2	0.2	3.4	4.9	14.3	0.8	0.4	0.1	0	0
28	+	+	0.2	0.2	3.4	8.1	11.0	0.8	0.4	0.1	0	0
29	+	+	0.2	0.2		6.5	8.4	0.8	0.4	0.1	0	0
30	+	+	0.2	0.2		2.8	8.1	0.8	0.4	0.1	0	0
31	+		0.2	0.2		10.4		0.8		0.1	0	
	0.1	0.3		6.8		677.9		116.2		6.6		0
				3.8		1226.0		1659.0		19.3	1.2	
MEAN	+	+	0.12	0.22	43.8	24.1	55.3	3.75	0.64	0.21	0.04	0
ACRE-FEET	0.2	0.6	7.5	13.	2430.	1340.	3290.	230.	38.	13.	2.4	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 10.2
ACRE-FEET 7360.

76D74M Gdb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. P277-R

Daily discharge, in second-feet of ARROYO SECO below Devils Gate Dam for the year ending September 30, 1959

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	+	0.2	0.2	0.2	0	0.3	0.5	0
2	0	0	0	0	+	0.2	0.2	0.2	0	0.5	0.5	0
3	0	0	0	0	+	0.2	0.2	0.2	0	0.5	0.5	0
4	0	0	0	0	+	0.2	0.2	0.1	0	0.5	0.5	0
5	0	0	0	0	+	0.2	0.2	0.1	0	0.5	0.5	0
6	0	0	0	3.2	+	0.2	0.2	0.1	0	0.5	0.5	0
7	0	0	0	0	+	0.2	0.2	0.1	0	0.5	0.5	0
8	0	0	0	0	0.8	0.2	0.2	0.1	0	0.5	0.5	0
9	0	0	0	0	+	0.1	0.2	0.1	0	0.5	0.5	0
10	0	0	0	0	+	0.1	0.2	0.1	0	0.5	0.4	0
11	0	0	0	0	1.4	0.1	0.2	0.1	0	0.5	0.4	0
12	0	0	0	0	0.3	0.1	0.2	0.1	0	0.5	0.4	0
13	0	0	0	0	0.2	0.2	0.2	0.1	0	0.5	0.4	0
14	0	0	0	0	0.2	0.2	0.2	0.1	0	0.5	0.3	0
15	0	0	0	0	0.3	0.2	0.2	0.1	0	0.5	0.2	0
16	0	0	0	0	6.5	0.2	0.2	0.1	0	0.5	0.2	0
17	0	0	0	0	12.9	0.2	0.2	0.1	0	0.5	0.1	0
18	0	0	0	0	1.2	0.2	0.2	+	0	0.5	+	0
19	0	0	0	0	0.6	0.2	0.2	+	0	0.5	+	0
20	0	0	0	0	0.5	0.2	0.2	+	0	0.5	0	0
21	0	0	0	0	1.2	0.2	0.2	0	0	0.5	0	0
22	0	0	0	0	0.9	0.2	0.2	0	0	0.5	0	0
23	0	0	0	0	0.5	0.2	0.2	0	0	0.5	0	0
24	0.1	0	0	0	0.4	0.2	0.2	0	0	0.5	0	0
25	+	0	0	0	0.3	0.2	0.4	0	0	0.5	0	0
26	0	0	0	0	0.3	0.2	0.4	0	0	0.5	0	0
27	0	0	0	0	0.4	0.2	0.2	0	0	0.4	0	0
28	0	0	0	0	0.3	0.2	0.2	0	0	0.4	0	0
29	0	0	0	0		0.2	0.2	0	0	0.4	0	0
30	0	0	0	0		0.2	0.2	0	0	0.4	0	0
31	0		0	0		0.2		0		0.4	0	
	0.1	0	0		203.8		6.4		0		6.9	
				3.2		5.8		2.0		14.8		0
MEAN	+	0	0	0.10	7.28	0.19	0.21	0.06	0	0.48	0.22	0
ACRE-FEET	0.2	0	0	6.3	404.	12.	13.	4.0	0	29.	14.	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.67
ACRE-FEET 482.

STATION F28-A
BALLONA CREEK at Curson Avenue

LOCATION: WATER-STAGE RECORDER, LAT. 34°02'30", LONG. 118°21'45", ON THE RIGHT BANK OF BALLONA CREEK, AND DOWNSTREAM SIDE OF CURSON AVENUE, LOS ANGELES. ELEVATION OF ZERO GAGE HEIGHT 77.91 FEET.

DRAINAGE AREA: 25.42 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - CONCRETE 33.5 FEET WIDE BY 12.7 FEET DEEP. CHANNEL FORMS CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOW MEASURED BY WADING. HIGH FLOWS MEASURED FROM FOOT BRIDGE 20 FEET ABOVE STATION.

RECORDER: AN H.C.F. RECORDER WAS IN SERVICE FROM OCTOBER 1, 1957 TO SEPTEMBER 30, 1959.

REGULATION: HOLLYWOOD RESERVOIR AND SILVERLAKE RESERVOIR.

DIVERSIONS: NONE

RECORDS AVAILABLE: STORM FLOW RECORDS ARE AVAILABLE FROM MARCH 17, 1942 TO SEPTEMBER 30, 1955. DAILY FLOW RECORDS ARE AVAILABLE DECEMBER 2, 1949 TO SEPTEMBER 30, 1959.

EXTREMES OF DISCHARGE:
1957-58
MAXIMUM 5130 SECOND-FEET FEBRUARY 19.
MINIMUM 3.0 SECOND-FEET AUGUST 28.
1958-59
MAXIMUM 4680 SECOND-FEET JANUARY 6.
MINIMUM 1.4 SECOND-FEET AT VARIOUS TIMES.
1942-59
MAXIMUM OF RECORD 5130 SECOND-FEET FEBRUARY 19,1958
MINIMUM OF RECORD 1.2 SECOND-FEET AT VARIOUS TIMES.

ACCURACY: FAIR

OPERATION: LOCATED AND STILLING WELL CONSTRUCTED BY THE CORPS OF ENGINEERS, DEPARTMENT OF THE ARMY, AND TRANSFERRED TO THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT IN JULY 1949. OPERATED AND RECORDER HOUSE CONSTRUCTED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF BALLONA CREEK

AT ~~NEAR~~ Curson Avenue DURING THE YEAR ENDING SEPTEMBER 30, 19 56

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATINGS	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
178	10/3	0830 / 0840	SJOSTEDT	38.0	7.82	1.05	0.19	8.2		.5	10	-.01	FC50
179	10/17	1555 / 1605	"	38.0	6.08	1.22	0.12	7.4		.5	10	0	"
180	10/31	1530 / 1545	"	38.0	6.66	1.17	0.13	7.8		.5	10	0	"
181	11/14	0840 / 0855	"	38.0	5.85	1.11	0.12	6.5		.5	10	0	"
182	11/27	0815 / 0825	"	38.0	6.05	1.11	0.12	6.7		.5	10	0	"
183	12/12	1605 / 1620	"	37.8	6.31	1.16	0.13	7.3		.5	10	0	"
184	1/2	0820 / 0835	"	37.5	5.48	1.08	0.12	5.9		.5	10	0	"
185	1/16	1605 / 1615	"	37.5	6.27	1.19	0.13	7.5		.5	10	0	"
186	2/20	0830 / 0845	SJOSTEDT-CARABA	38.0	8.85	1.71	0.18	15.2		.5	10	0	"
187	5/1	0820 / 0835	SJOSTEDT	38.0	6.62	0.60	0.15	4.0		.5	10	0	"
188	6/19	0820 / 0835	"	37.8	5.80	0.64	0.15	3.7		.5	10	0	"
189	7/3	0810 / 0825	"	38.0	5.42	0.55	0.15	3.0		.5	10	0	"
190	7/17	0740 / 0800	ROY	38.1	6.09	0.56	0.18	3.4		.5 .6	17	0	"
191	7/31	0740 / 0755	"	38.1	6.71	0.55	0.19	3.7		.5	17	0	"
192	8/14	0759 / 0814	BROOK	38.2	5.07	0.73	0.15	3.7		.5	14	0	"
193	8/28	0804 / 0818	"	37.9	5.56	0.54	0.18	3.0		.5	13	0	"
194	9/4	0849 / 0900	SJOSTEDT	37.5	5.25	0.61	0.18	3.2		.5	10	0	"

DISCHARGE MEASUREMENTS OF BALLONA CREEK

AT ~~NEAR~~ Curson Avenue DURING THE YEAR ENDING SEPTEMBER 30, 19 59

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATINGS	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
195	10/2	0940 / 0955	SJOSTEDT	38.5	5.85	0.44		2.6		.5	10	0	FC50
196	10/6	0920 / 0930	WALTER-SJOSTEDT	38.0	4.64	0.68		3.1		.5	10	0	"
197	11/13	0920 / 0935	SJOSTEDT	38.0	3.40	0.56		1.9		.5	10	0	"
198	12/18	0830 / 0845	"	38.0	4.56	0.51	0.10	2.3		.5	10	0	"
199	1/15	0820 / 0840	"	37.9	3.60	0.67	0.08	2.4		.5	10	0	"
200	2/5	0835 / 0845	"	38.5	10.8	1.88	0.19	20.3		.5	10	0	"
201	3/26	1135 / 1150	"	37.5	5.74	0.76	0.12	4.3		.5	10	0	"
202	4/9	1115 / 1130	"	38.0	5.53	0.65	0.12	3.6		.5	10	0	"
203	5/7	1115 / 1130	"	38.0	4.64	0.78	0.08	3.6		.5	10	0	"
204	6/4	1630 / 1645	"	36.2	6.08	0.79	0.15	4.8		.5	9	0	"
205	6/18	1545 / 1600	"	38.5	5.66	0.69	0.14	3.9		.5	10	0	"
206	7/9	0840 / 0850	"	37.5	5.13	0.51	0.11	2.6		.5	10	0	"
207	7/23	1710 / 1720	"	37.9	8.31	0.73	0.15	6.1		.5	10	0	"
208	8/20	0830 / 0846	BOWMAN	39.0	4.81	0.46	0.10	2.2		.5	11	0	"
209	9/3	1630 / 1640	SJOSTEDT	38.3	7.41	0.86	0.14	6.4		.5	10	0	"
210	9/17	1635 / 1645	"	36.6	5.52	0.91	0.12	5.0		.5	10	0	"

76D74M Cb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F296-R

Daily discharge, in second-feet of BALLONA CREEK at Curson Avenue, for the year ending September 30, 19 58

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	6.4	9.2	5.4	5.4	6.4	101	252	b 4.5	b 3.5	b 3.2	b 4.0	b 3.1
2	6.4	8.5	5.4	5.4	79	101	129	4.5	4.5	3.2	3.8	3.2
3	8.2	10.6	5.4	6.4	390	101	168	4.0	4.0	3.3	3.8	3.5
4	7.3	8.2	17.7	5.4	406	101	34	4.0	4.0	3.3	4.2	3.2
5	7.3	30	226	5.4	110	101	110	4.0	4.0	3.4	4.2	3.1
6	7.3	5.4	6.4	5.4	101	89	169	4.0	3.1	3.3	3.4	3.1
7	9.2	6.4	6.4	5.4	12.8	101	102	4.0	3.0	3.3	3.4	3.1
8	8.2	6.4	7.3	5.4	21	101	b 6.6	4.5	3.1	3.3	3.5	3.2
9	8.2	6.4	7.3	5.4	b 9.2	101	6.3	4.5	3.2	4.0	3.3	3.2
10	8.2	6.4	7.3	8.2	9.2	23	6.1	4.0	3.2	3.2	3.1	3.0
11	9.9	7.3	7.3	8.2	8.2	132	6.5	4.2	3.3	3.3	4.0	3.0
12	16.4	6.4	7.3	8.2	b 8.2	9.2	5.7	4.3	3.1	3.4	4.0	3.2
13	7.9	5.4	9.2	8.2	8.2	10.5	5.5	4.2	3.2	3.5	5.0	3.3
14	5.9	6.4	9.2	9.2	101	10.8	5.3	4.2	3.0	3.5	b 5.0	3.4
15	11.0	6.4	23.6	8.2	101	365	5.2	4.0	3.2	3.6	3.3	3.0
16	9.2	5.4	6.1	7.3	101	230	6.0	5.0	3.4	3.6	b 3.6	3.0
17	7.3	5.4	6.6	8.2	101	17.2	5.0	4.0	3.5	3.6	3.5	3.2
18	7.3	5.4	11.0	7.3	11.0	101	5.0	4.1	3.6	3.5	3.4	3.0
19	8.2	5.4	9.2	6.4	848	101	5.0	4.2	3.7	4.0	3.3	3.0
20	10.1	4.5	10.1	7.3	14.6	149	5.0	4.2	4.0	3.1	3.2	3.2
21	9.2	5.4	10.1	8.2	101	140	5.0	4.2	3.7	3.3	3.2	3.0
22	8.2	5.4	10.1	6.4	101	27	5.5	4.3	3.7	3.6	3.3	3.2
23	9.2	6.4	9.2	6.4	11.0	12.8	5.0	4.5	4.0	3.6	3.4	3.3
24	7.3	5.4	8.2	24	12.8	12.8	5.0	3.9	4.0	3.5	3.3	3.0
25	6.4	5.4	7.3	289	406	11.0	4.9	3.8	4.0	4.0	3.3	3.0
26	8.2	6.4	7.3	115	101	12.8	4.7	4.2	4.0	3.2	3.2	3.0
27	8.2	6.4	8.2	8.2	101	168	4.5	3.9	3.9	3.3	6.0	3.1
28	9.2	6.4	6.4	7.3	11.0	11.0	4.2	3.9	3.9	3.5	3.0	3.0
29	9.2	5.4	5.4	7.3		11.0	4.1	4.0	3.6	3.7	3.2	3.3
30	9.2	5.4	7.3	13.4		72.0	b 4.0	4.2	b 4.0	3.8	3.1	b 3.0
31	2.3		6.4	7.3		16.4		b 4.2		b 4.2	b 3.1	
		290.0		628.8		1512.7		129.5		108.3		93.9
	490.5		806.8		2374.5		869.0		108.4		142.8	
MEAN	15.8	9.67	26.0	20.3	84.8	48.8	29.0	4.18	3.61	3.49	4.61	3.13
ACRE-FEET	973.	575.	1600.	1250.	4710.	3000.	1720.	257.	215.	215.	283.	186.

Remarks:

YEAR MEAN 20.7
OR
PERIOD ACRE-FEET 14,980.

76D74M Cb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F296-R

Daily discharge, in second-feet of BALLONA CREEK at Curson Avenue, for the year ending September 30, 19 59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	b 3.0	b 3.0	b 2.3	6.4	1.4	1.8	4.5	b 4.5	2.7	2.7	2.7	5.4
2	3.0	2.9	b 2.0	5.4	1.4	1.8	4.5	3.6	2.7	5.4	3.6	5.4
3	3.0	2.9	2.7	5.4	1.6	1.8	4.5	3.6	2.7	1.8	4.5	6.4
4	3.2	2.9	4.5	7.3	6.4	2.7	4.5	3.6	3.6	1.4	3.6	7.3
5	3.0	2.8	6.4	108	182	2.7	4.5	3.6	4.5	1.6	3.6	4.5
6	3.4	2.8	4.5	334	14.6	4.5	7.3	b 3.6	4.5	3.6	5.4	4.5
7	3.0	2.8	3.6	b 2.6	11.3	2.7	8.2	4.5	3.6	3.6	9.2	8.2
8	3.0	2.7	4.5	1.8	83	2.7	4.5	3.6	4.5	4.5	3.6	6.4
8	3.0	2.6	2.7	3.6	b 3.6	2.7	4.5	3.6	4.5	4.5	1.8	8.2
10	3.0	2.5	2.7	1.8	22	3.6	4.5	3.6	5.4	4.5	2.7	9.2
11	3.4	2.4	2.7	1.8	199	3.6	4.5	4.5	4.5	2.7	4.5	14.6
12	3.0	2.2	6.4	2.7	b 3.6	3.6	4.5	4.5	5.4	2.7	6.4	11.0
13	3.0	2.0	3.6	2.7	2.7	6.4	4.5	5.4	5.4	3.6	6.4	12.8
14	3.0	2.0	2.7	2.7	2.7	4.5	4.5	4.5	4.5	3.6	5.4	7.3
15	3.2	2.0	3.6	2.7	23	3.6	4.5	4.5	4.5	3.6	5.4	5.4
16	3.1	2.0	3.6	3.6	301	4.5	3.6	3.6	5.4	3.6	3.6	6.4
17	3.0	2.0	6.4	2.7	15.2	5.4	3.6	4.5	5.4	5.4	3.6	6.4
18	3.1	2.0	2.7	1.8	9.1	5.4	4.5	5.4	3.6	1.8	2.7	6.4
19	3.0	2.0	5.4	1.8	4.5	6.4	4.5	3.6	4.5	1.8	2.7	8.2
20	3.0	2.0	3.6	1.6	3.6	7.3	4.5	4.5	4.5	2.7	2.7	5.4
21	3.1	2.0	1.8	1.4	147	4.5	4.5	4.5	4.5	3.6	2.7	10.0
22	b 3.0	2.0	3.6	1.8	4.5	3.6	4.5	6.4	4.5	3.6	3.6	8.2
23	b 3.2	2.0	2.7	1.8	1.8	5.4	4.5	4.5	2.7	3.6	1.8	8.2
24	2.8	2.0	4.5	1.8	1.8	5.4	4.5	4.5	2.7	3.6	3.6	7.3
25	9.9	2.2	1.8	2.7	1.6	4.5	7.2	4.5	3.6	3.6	3.6	10.0
26	b 3.0	2.1	5.4	1.8	1.6	4.5	2.2	4.5	4.5	2.7	3.6	6.4
27	3.0	2.0	3.6	4.5	1.6	4.5	b 4.5	5.4	4.5	4.5	3.6	4.5
28	3.0	2.0	1.8	5.4	1.8	2.7	4.5	4.5	3.6	1.8	7.3	6.4
29	3.0	2.0	3.6	4.5		1.8	4.5	5.4	4.5	1.8	6.4	6.4
30	3.0	b 2.0	4.5	4.5		3.6	b 4.5	3.6	3.6	2.7	3.6	7.3
31	b 3.0		5.4	1.6		5.4		3.6		2.7	3.6	
	126.6		115.3		889.8		223.7		125.1		127.5	
		68.8		532.2		123.6		134.2		99.3		224.7
MEAN	4.08	2.29	3.72	17.2	31.8	3.99	7.46	4.33	4.17	3.2	4.11	7.49
ACRE-FEET	251.	136.	228.	1060.	1760.	245.	444.	266.	248.	197.	253.	446.

Remarks:

YEAR MEAN 7.65
OR
PERIOD ACRE-FEET 5540.

DISCHARGE MEASUREMENTS OF BALLONA CREEK

AT Sawtelle Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 19 59

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
2592	10/2	0845 / 0900	SJOSTEDT	13.0	6.66	1.05	2.19	7.0		.6	9	0	FC50
2593	10/9	0855 / 0905	"	14.0	5.92	1.02	2.15	6.0		.5 .6	8	0	"
2594	10/16	0815 / 0830	WALTER-SJOSTEDT	15.0	7.08	0.89	2.20	6.3		.5 .6	16	0	"
2595	10/23	0905 / 0920	SJOSTEDT	13.0	7.42	0.85	2.26	6.3		.6	9	0	"
2596	10/25	1115 / 1130	"	14.0	9.40	2.24	2.32	21.0		.6	9	-.01	"
2597	10/30	0910 / 0925	PETERSEN-SJOSTEDT	12.4	3.95	1.19	2.10	4.7		.5 .6	13	0	"
2598	11/6	0850 / 0905	SJOSTEDT	13.5	4.38	1.05	2.10	4.6		.5 .6	10	0	"
2599	11/13	0830 / 0840	"	12.0	4.36	1.21	2.09	5.3		.5 .6	7	+.01	"
2600	11/20	0855 / 0910	"	12.0	5.28	1.06	2.11	5.6		.6	7	-.01	"
2601	12/4	0800 / 0820	BOWMAN	CHANNELS			2.15	4.9		.5 .6	16	0	FC60 FC6
2602	1/2	0915 / 0930	SJOSTEDT	8.5	3.5	1.43	2.12	5.1		.5 .6	10	0	FC50
2603	1/6	1840 / 1855	SJOSTEDT-CARABA	42.0	17.9	1.80	2.26	32.3		.5	11	-.02	FC47
2604	1/5	0915 / 0930	SJOSTEDT	18.0	5.10	1.16	1.91	5.9		.5 .6	10	0	FC50
2605	1/22	0905 / 0920	"	18.0	5.85	0.99	1.89	5.8		.5 .6	12	0	"
2606	1/29	0915 / 0925	"	18.0	6.80	1.06	1.94	7.2		.5 .6	11	0	"
2607	2/5	0925 / 0945	"	18.0	12.4	1.90	2.09	23.5		.6	11	0	"
2608	2/8	1435 / 1450	SJOSTEDT-CARABA	65.0	92.8	2.90	3.61	271.		.6	14	-.24	FC47
2609	2/13	0955 / 1005	SJOSTEDT	16.0	5.18	1.07	2.04	5.5		.5	10	0	"
2610	2/17	0945 / 1000	CARABA	43.0	50.9	2.04	2.88	104.		.6	16	.10	"
2611	2/21	1630 / 1643	SJOSTEDT-CARABA	53.0	32.3	2.25	2.54	72.8		.5 .6	12	-.06	"
2612	2/26	0915 / 0925	SJOSTEDT	20.0	17.0	0.37	1.89	6.3		.5 .6	9	0	FC50
2613	3/5	0930 / 0945	"	20.0	16.4	0.36	1.88	5.9		.6	11	0	"
2614	3/12	1020 / 1030	"	16.0	13.7	0.36	1.88	5.0		.5 .6	10	0	"
2615	3/26	0935 / 0950	"	17.0	14.9	0.36	1.88	5.4		.6	10	0	"
2616	4/2	0935 / 0950	SJOSTEDT	17.5	14.8	0.44		6.5		.6	10	0	FC50
2617	4/9	0935 / 0950	"	17.0	14.4	0.42		6.1		.5	10	0	"
2618	4/23	1440 / 1450	"	10.5	9.48	0.60	2.17	5.7		.6	9	0	"
2619	4/30	0900 / 0915	"	21.0	14.9	0.47	2.70	7.0		.6	11	0	"
2620	5/7	0930 / 0945	"	14.0	7.17	0.92	2.80	6.5		.5 .6	9	-.03	"
2621	5/13	0925 / 0938	"	16.0	17.0	0.45	2.91	7.6		.5 .6	9	-.01	"
2622	5/14	0950 / 1000	"	16.0	17.2	0.47	3.22	8.0		.5 .6	9	-.01	"
2623	5/21	1545 / 1600	"	14.0	16.7	0.55	2.79	9.1		.6	9	0	"
2624	5/28	1445 / 1455	"	15.0	6.68	0.90		6.0		.6	9	0	"
2625	6/4	1505 / 1515	"	15.0	7.70	0.96	2.47	7.4		.5 .6	9	-.02	"
2626	6/11	1600 / 1615	"	15.0	7.80	0.86	2.47	6.7		.5 .6	9	0	"
2627	6/18	1445 / 1455	"	13.0	8.55	0.66	2.45	5.6		.5 .6	8	0	"
2628	6/25	0840 / 0858	BOWMAN	21.0	10.2	0.51	2.29	5.2		.5	12	0	FC6
2629	7/2	1525 / 1535	SJOSTEDT	14.0	8.70	0.74	2.39	6.4		.6	9		FC50
2630	7/9	1035 / 1050	"	14.0	8.11	0.76	2.37	6.2		.6	9	0	"
2631	7/16	1730 / 1740	"	13.0	7.43	1.02	2.75	7.6		.5	8	0	"
2632	7/23	1545 / 1555	"	13.0	7.17	1.20	2.79	8.6		.6	8	0	"
2633	7/30	1505 / 1515	"	12.0	6.52	0.95	2.68	6.2		.6	8	0	"
2634	8/6	1545 / 1600	"	13.0	7.28	1.06	3.25	7.7		.6	9	0	"
2635	8/13	1410 / 1420	"	12.0	6.45	0.91	3.17	5.9		.5	8	0	"
2636	8/20	0950 / 1000	BOWMAN	21.0	10.2	0.70	3.02	7.1		.5 .6	9	0	"
2637	9/3	1515 / 1525	SJOSTEDT	15.0	7.94	0.92	3.60	7.3		.5 .6	9	0	"
2638	9/10	1600 / 1610	"	13.0	7.14	0.94	3.62	6.7		.6	8	0	"
2639	9/17	1450 / 1500	"	11.0	5.92	1.13	4.25	6.7		.6	7	0	"
2640	9/17	1540 / 1550	"	10.0	7.37	1.36	4.28	10.0		.5	10	0	"
2641	9/24	1605 / 1615	"	11.0	6.57	1.00	4.05	6.6		.6	7	0	"

76D714M C-b 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F368-R

Daily discharge, in second-feet of BALLONA CREEK at Sawtelle Boulevard, for the year ending September 30, 19 58

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	b 11	b 10	10	10	12	14	796	9.6	8.0	11	9.6	6.7
2	12	217	12	10	208	14	22	9.6	9.6	9.2	8.0	7.5
3	13	26	13	13	1170	14	502	8.4	8.8	9.2	8.0	8.4
4	13	12	18	12	1100	14	120	7.5	9.2	6.7	10	9.2
5	12	47	565	11	51	14	20	8.8	8.8	6.7	a 9.8	9.2
6	12	11	14	12	16	209	539	7.5	8.8	6.7	a 9.6	8.4
7	11	10	10	11	14	18	538	7.5	8.4	9.2	a 9.4	8.4
8	11	12	10	11	43	15	16	7.1	7.1	8.8	9.2	8.4
9	12	9.2	12	11	14	14	14	7.5	9.6	8.0	9.2	9.2
10	b 12	8.4	12	34	12	29	12	7.5	8.4	8.8	7.5	8.0
11	485	11	10	10	13	51	12	6.7	8.8	8.8	10	8.0
12	b 12	9.2	10	9.2	13	12	10	8.0	8.0	8.0	10	8.0
13	140	10	11	9.6	12	23	9.6	7.1	9.2	6.7	12	7.5
14	264	12	10	11	13	29	9.6	7.5	8.0	6.7	8.0	7.1
15	b 13	11	761	10	11	1140	11	7.5	6.7	8.0	55	8.0
16	13	10	103	11	10	1030	11	8.0	8.4	7.5	b 8.8	8.8
17	13	8.8	267	13	12	40	9.6	7.5	8.8	8.8	8.8	8.4
18	13	12	12	11	14	16	9.6	6.7	7.5	9.2	8.8	8.8
19	13	12	12	10	3000	16	9.2	7.1	8.4	10	8.8	8.8
20	b 25	12	13	12	27	497	8.8	7.5	9.2	8.4	b 8.8	8.0
21	e 20	14	10	13	17	248	9.6	7.1	8.0	8.8	8.8	7.5
22	e 18	14	9.6	13	15	237	10	7.5	6.3	10	8.8	7.1
23	b 14	12	9.6	15	15	19	8.8	8.0	8.4	11	8.0	10
24	14	10	9.6	56	16	19	8.8	8.0	8.0	8.8	7.1	8.4
25	14	10	8.4	817	1610	18	9.6	7.1	8.0	9.2	7.1	7.1
26	14	12	9.6	524	16	16	9.6	7.5	8.4	10	7.5	8.0
27	13	11	11	14	15	492	8.4	8.4	8.4	7.1	12	8.0
28	13	11	11	12	15	19	10	8.4	8.0	8.4	7.1	7.1
29	b 13	11	9.2	12		17	9.2	9.2	7.5	7.1	8.0	8.0
30	b 13	10	12	39		160	9.2	8.4	8.8	8.8	7.1	8.8
31	e 40		12	12		18		8.4		10	7.1	
		585.6		1772.8		4472.0		242.6		268.0		244.8
	1296.0		1997.0		7484.0		2772.6		246.1		316.8	
MEAN	41.8	19.5	64.4	57.2	267.	144.	92.4	7.83	8.20	8.65	10.2	8.16
ACRE-FEET	2570.	1160.	3960.	3520.	14,850.	8870.	5500.	481.	488.	532.	628.	486.

Remarks:

YEAR OR PERIOD MEAN 59.4
ACRE-FEET 43040.

76D74M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

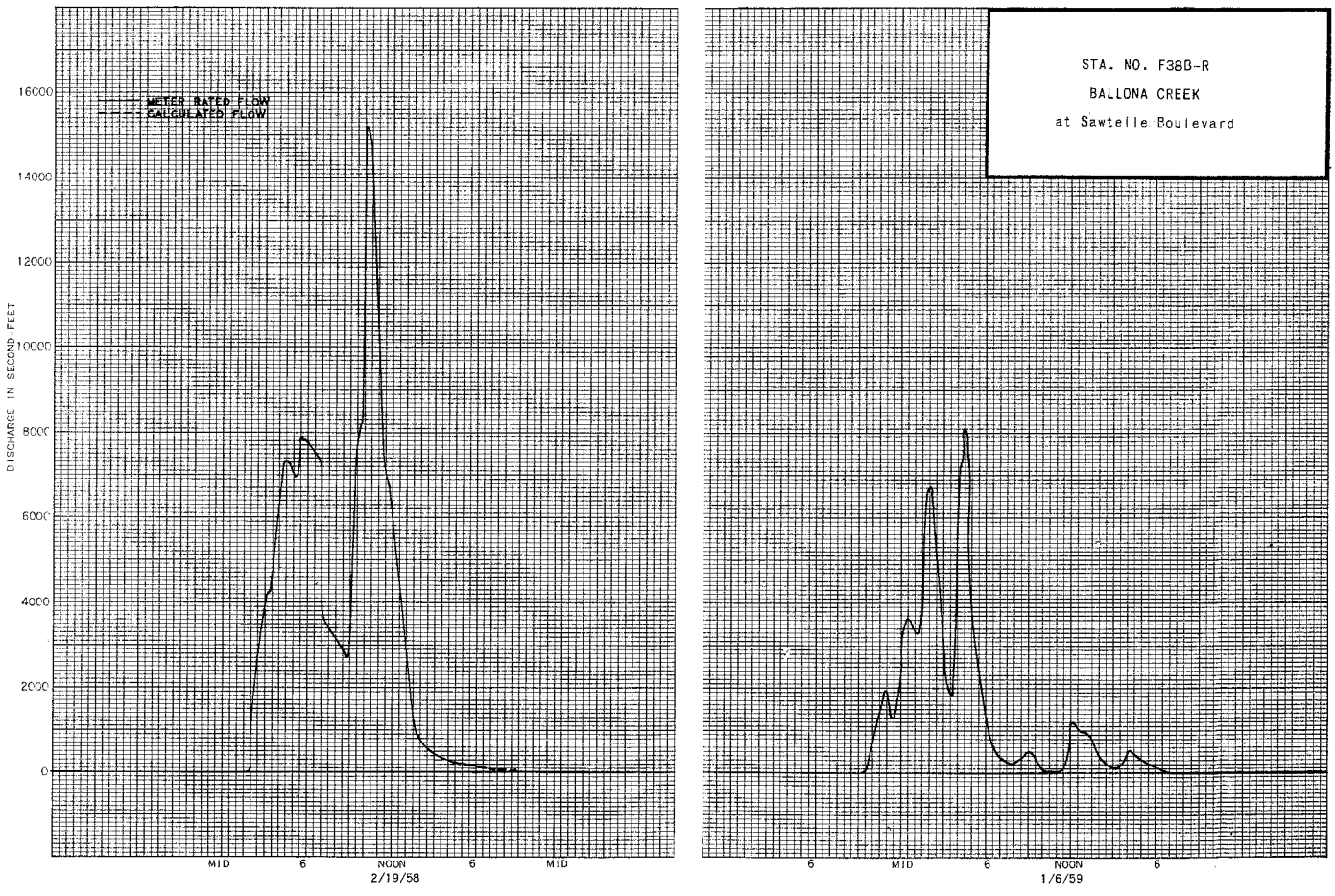
Sta. No. F38B-R

Daily discharge, in second-feet of BALLONA CREEK at Sawtelle Boulevard for the year ending September 30, 19 59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	8.4	5.6	6.3	7.5	6.7	5.9	7.1	8.0	9.0	6.9	7.6	8.7
2	8.4	4.9	5.9	6.7	7.1	5.9	7.5	7.8	7.3	6.9	8.0	8.2
3	9.2	5.9	8.1	6.3	7.1	6.7	7.5	6.6	7.5	7.7	8.0	8.0
4	8.4	5.9	6.7	6.7	9.2	7.1	7.5	6.9	7.3	6.6	8.0	8.4
5	6.3	6.3	8.8	147	25	6.3	6.7	7.0	7.3	6.1	8.0	8.2
6	7.1	5.9	6.3	1210	26	7.1	7.1	7.1	7.0	6.3	8.0	7.1
7	8.8	8.0	5.2	12	37	5.9	7.5	7.2	6.3	6.8	8.2	7.0
8	7.5	5.6	8.3	8.8	326	5.6	7.1	8.6	6.4	6.9	8.1	8.0
9	7.5	4.5	7.1	8.0	35	5.6	6.7	7.6	7.2	7.0	7.0	7.7
10	7.5	5.6	7.1	7.5	42	6.3	7.1	7.2	8.4	7.7	6.5	7.5
11	8.0	28	7.5	6.3	634	5.9	6.7	7.5	6.8	7.6	7.1	8.3
12	6.3	5.9	8.0	6.3	31	5.6	6.7	7.8	7.3	6.9	7.3	8.1
13	6.3	6.3	8.0	6.7	7.1	7.1	6.7	8.1	7.5	6.9	6.9	7.2
14	7.5	9.2	5.6	7.1	5.9	5.6	6.7	8.8	6.1	7.7	7.2	7.3
15	8.4	4.9	6.3	6.3	49	5.6	6.7	8.9	5.9	8.0	7.1	7.0
16	8.8	4.2	7.1	6.7	1070	7.1	6.2	11	6.3	7.6	7.9	6.8
17	10	4.5	8.7	5.9	49	7.1	6.2	8.3	6.1	8.4	6.9	7.4
18	8.8	5.6	7.5	5.9	45	6.7	6.1	8.0	6.0	8.3	7.6	7.3
19	8.4	6.7	7.1	6.3	13	7.5	5.6	8.3	6.3	7.4	7.8	7.1
20	8.8	6.3	7.5	6.7	10	8.4	6.5	8.7	6.1	8.3	7.7	6.3
21	10	7.1	5.2	6.3	399	7.1	6.9	9.1	5.5	8.8	8.4	6.1
22	8.4	5.9	5.9	6.7	15	5.9	6.6	9.1	6.7	8.8	8.8	7.1
23	9.6	5.2	6.7	7.1	10	6.3	6.4	8.3	6.9	9.1	8.1	7.1
24	7.5	5.9	8.4	6.7	9.2	6.7	6.8	8.0	6.2	9.6	7.4	6.9
25	5.2	7.1	5.2	6.3	7.1	7.1	174	8.0	5.9	8.8	8.7	7.4
26	5.6	6.7	5.6	6.7	6.7	6.7	46	8.0	6.4	7.7	8.7	7.1
27	5.2	5.6	7.1	8.0	6.3	7.1	7.3	8.0	6.1	8.1	8.5	5.9
28	5.9	6.7	4.9	10	5.9	6.3	7.4	7.9	5.8	8.2	9.0	5.3
29	5.9	5.6	5.6	8.0		5.6	8.6	8.8	6.2	7.5	8.9	7.0
30	6.3	5.2	6.7	8.0		6.3	7.7	7.2	6.9	7.1	8.0	7.1
31	7.1		7.1	7.1		7.5		6.9		7.7	8.5	
	2839		2115		2894.3		4138		200.7		2439	
		200.8		1565.6		201.6		248.7		237.4		218.6
MEAN	9.16	6.69	6.82	50.5	103.	6.50	13.8	8.02	6.69	7.66	7.87	7.29
ACRE-FEET	563.	398.	420.	3110.	5740.	400.	821.	493.	398.	471.	484.	434.

Remarks:

YEAR OR PERIOD MEAN 19.0
ACRE-FEET 13,730.



STATION F262-R
BALLONA CREEK at Pacific Avenue

LOCATION: WATER-STAGE RECORDER, LAT. 33°57'48", LONG. 118°27'13", ON THE CENTER BRIDGE PIER, UPSTREAM SIDE OF BRIDGE, ELEVATION OF ZERO GAGE HEIGHT 0.00 FEET M.S.L. AFTER JULY 16, 1958. (PREVIOUSLY -2.8 FEET M.S.L.)

CHANNEL AND CONTROL:
CHANNEL - ADOBE, OVERLAID WITH COARSE GRAVEL AND SAND, WITH ROCK PAVED LEVEES.

RECORDS AVAILABLE:
CONTINUOUS WATER-STAGE RECORDS AVAILABLE FROM AUGUST 9, 1940 TO SEPTEMBER 30, 1959.

PURPOSE:
FOR HYDRAULIC STUDIES ONLY. DISCHARGE MEASUREMENTS ARE NOT MADE NOR DAILY FLOWS COMPUTED.

OPERATION:
LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

STATION F120B-R
BIG DALTON CREEK below Big Dalton Dam

LOCATION: WATER-STAGE RECORDER, LAT. 34°10'06", LONG. 117°48'34", ON THE RIGHT (WEST) BANK ABOUT 400 FEET BELOW THE OLD TOE WALL ON THE DOWNSTREAM SIDE OF BIG DALTON DAM AND ABOUT 5 MILES NORTHEAST OF GLENDORA. ELEVATION OF ZERO GAGE HEIGHT, 1539.63 FEET.

DRAINAGE AREA: 4.8 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - GRAVEL AND ROCK LINED WITH WILLOWS. CONTROL CONCRETE BROAD-CRESTED WEIR COMPLETED DECEMBER 23, 1946.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING, HIGH FLOW MEASURED FROM FOOTBRIDGE.

RECORDER: AN H.C.F. RECORDER WAS IN SERVICE FROM OCTOBER 1, 1957 TO SEPTEMBER 30, 1959.

REGULATION: 4.5 SQUARE MILES REGULATED BY BIG DALTON DAM. 0.3 SQUARE MILES UNREGULATED FLOW FROM KERIL CANYON.

DIVERSIONS: NONE.

RECORDS AVAILABLE: RESERVOIR OUTFLOW RECORDS FROM OCTOBER 1929 TO JUNE 3, 1940. RECORDER RECORDS FROM JUNE 3, 1940 TO SEPTEMBER 30, 1959.

EXTREMES OF DISCHARGE:
1957-58
MAXIMUM 37. SECOND-FEET, APRIL 5.
MINIMUM NO FLOW MOST OF YEAR.
1958-59
MAXIMUM 31. SECOND-FEET, APRIL 13.
MINIMUM NO FLOW MOST OF YEAR.
1940-59
MAXIMUM 111 SECOND-FEET, MARCH 4, 1943.
MINIMUM NO FLOW PART OF EACH YEAR.

ACCURACY: FAIR.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF BIG DALTON CREEK

at or near below Big Dalton Dam DURING THE YEAR ENDING SEPTEMBER 30, 1958

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	S. HT. CHANGE TOTAL	METER NO.
363	10/30	0822 / 0838	MIDDLETON-FALCONE	7.7	5.27	3.54	1.56	18.6		.6	10	0	FC54
364	10/30	0900 / 0920	FALCONE-MIDDLETON	8.7	4.78	4.44	1.52	21.2		.6	11	0	"
365	10/30	0925 / 0935	MIDDLETON-FALCONE	8.4	4.24	4.78	1.52	20.3		.6	11	0	"
366	10/30	0945 / 1005	FALCONE-MIDDLETON	9.7	4.43	4.75	1.52	21.0		.6	11	0	FC26
367	10/30	1008 / 1020	MIDDLETON-FALCONE	9.7	4.84	4.10	1.52	19.8		.6	12	0	FC54
368	10/30	1527 / 1535	FALCONE-MIDDLETON	8.3	5.58	3.82	1.59	21.3		.6	11	0	FC26
369	10/30	1544 / 1556	MIDDLETON-FALCONE	8.5	5.81	3.97	1.59	23.1		.6	12	0	FC54
370	10/31	0815 / 0835	MIDDLETON	11.0	6.43	3.09	1.48	19.9		.6	12	0	"
371	10/31	1505 / 1530	"	10.0	6.15	2.94	1.40	18.1		.6	13	-.02	"
372	2/6	0908 / 0918	SARASUA	3.3	0.62	1.18	0.18	0.73		.5	8	0	FC43
373	2/20	0907 / 0923	"	6.3	2.69	3.56	1.07	9.6		.6	14	0	"
374	3/20	0852 / 0905	"	6.8	4.86	4.24	1.49	18.3		.6	12	-.04	"
375	3/21	0952 / 1005	SARASUA-PITTS	6.8	4.87	3.14	1.29	15.3		.6	15	0	"
376	3/25	0845 / 0855	SARASUA-TWITTY	7.0	5.29	4.20	1.59	22.2		.6	15	+.05	"
377	3/27	0845 / 0855	SARASUA	6.8	3.73	2.42	1.07	9.0		.6	10	+.02	"
378	4/5	1706 / 1723	SARASUA-FALCONE	14.5	11.8	5.02	2.02	59.2		.6	16	+.02	"
379	4/10	1030 / 1050	FALCONE	15.6	10.5	3.03	1.88	31.8		.6	13	-.01	FC55
380	4/11	1135 / 1155	SARASUA	8.5	5.02	3.33	1.27	16.7		.6	13	0	FC54
381	4/17	0856 / 0907	SARASUA-FALCONE	8.3	4.49	3.14	1.23	14.1		.6	15	-.03	"
382	4/22	0902 / 0909	" "	3.0	1.08	1.94	0.32	2.1		.6	7	-.02	"
383	4/24	1013 / 1025	FALCONE	4.3	1.82	1.92	0.32	3.5		.6	9	-.03	FC55
384	5/1	0930 / 0940	"	4.8	1.90	1.52	0.32	2.9		.5	10	+.03	"
385	5/8	1032 / 1045	"	4.2	1.23	0.66	0.26	0.81		.5	9	0	"
386	5/14	0935 / 0945	"	2.8	1.01	0.82	0.25	0.83		.5	8	0	"
387	5/22	0925 / 0930	SARASUA	2.5	0.76	0.58	0.05	0.44		.6	6	0	FC49
388	5/29	0853 / 0900	SARASUA-MC BRIDE	3.0	1.53	1.44	18.28	2.2		.6	7	0	"
389	6/5	0927 / 0939	MC BRIDE - SARASUA	3.0	1.58	1.20	0.26	1.9		.6	8	0	FC49
390	6/12	0917 / 0924	SARASUA-BURKE	3.0	1.48	1.31	0.27	1.94		.5	8	-.03	"
391	6/13	1510 / 1530	SARASUA	8.6	6.34	3.71	1.45	23.5		.6	18	-.01	FC54
392	6/13	1536 / 1555	"	8.6	6.34	3.83	1.44	24.3		.6	13	+.04	"
393	6/13	1620 / 1633	"	7.4	3.19	2.13	0.68	6.8		.6	14	0	"
394	6/13	1725 / 1740	"	7.8	3.69	2.22	0.85	8.2		.6	14	+.01	"
395	6/13	1802 / 1815	"	7.6	4.02	2.34	0.97	9.4		.6	13	0	"
396	6/13	1910 / 1922	"	8.2	4.97	3.08	1.13	15.3		.6	13	0	"
397	6/19	0812 / 0936	"	8.0	4.63	3.18	1.16	14.7		.6	16	-.01	"
398	6/26	1015 / 1035	"	7.6	4.38	3.08	1.14	13.5		.6	16	0	"
399	7/3	0907 / 0938	MC BRIDE - SARASUA	8.6	4.71	2.65	1.14	12.4		.6	17	0	"
400	7/10	0935 / 0955	SARASUA	8.0	4.99	3.13	1.19	15.6		.6	17	0	"
401	7/11	1003 / 1015	SARASUA-MC BRIDE	7.8	5.40	2.82	1.22	15.2		.6	16	0	"
402	7/17	1005 / 1028	MC BRIDE	5.8	4.00	1.65	0.87	6.6		.6	13	0	"

DISCHARGE MEASUREMENTS OF BIG DALTON CREEK

at or near below Big Dalton Dam DURING THE YEAR ENDING SEPTEMBER 30, 1959

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	S. HT. CHANGE TOTAL	METER NO.
403	2/19	0855 / 0859	SARASUA	1.2	0.12	0.92	0.05	0.11		.5	5	0	FC49
404	2/26	0938 / 0940	"	0.50	0.03	0.33		0.01		.6	4	0	"
405	4/13	0832 / 0904	"	8.0	5.82	4.81	1.68	28.0		.6	23	-.01	FC54
406	4/13	1206 / 1234	"	7.5	3.93	4.04	1.27	15.9		.6	21	-.01	"
407	4/14	0717 / 0745	"	7.4	4.93	3.06	1.25	15.1		.6	22	0	"
408	4/16	0955 / 1025	"	7.8	5.71	3.38	1.40	19.3		.6	23	-.01	"
409	4/16	1150 / 1214	"	7.2	5.01	3.11	1.22	15.6		.6	20	0	"

76D76M Cib 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F12CB-R

Daily discharge, in second-feet of BIG DALTON CREEK below Big Dalton Dam for the year ending September 30, 1958

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0.1	7.6	1.9	2.1	13.0	0	0
2	0	0	0	0	0	+	2.3	1.3	2.0	13.0	0	0
3	0	0	0	0	+	0	5.7	0.8	2.0	13.0	0	0
4	0	0	0	0	3.8	0	3.6	0.8	1.9	13.0	0	0
5	0	0	0	0	1.6	0	18.7	0.8	1.9	13.0	0	0
6	0	0	0	0	0.7	+	18.9	0.8	1.9	13.0	0	0
7	0	0	0	0	0.5	0.1	9.8	0.8	1.9	12.8	0	0
8	0	0	0	0	0.4	0.1	3.0	0.8	1.9	13.7	0	0
9	0	0	0	0	0.3	0.1	19.0	0.8	1.9	14.1	0	0
10	0	0	0	0	0.1	0	28	0.8	1.9	14.1	0	0
11	0	0	0	0	0.1	0	21	0.8	1.9	14.3	0	0
12	0	0	0	0	+	0	14.7	0.8	1.9	13.5	0	0
13	0	0	0	0	0	0	14.5	0.8	8.3	13.5	0	0
14	0	0	0	0	0	0	14.5	0.8	12.6	13.7	0	0
15	0	0	0	0	0	0.1	14.5	0.8	12.6	10.4	0	0
16	0	0	0.2	0	0	5.9	14.3	0.7	12.6	8.8	0	0
17	0	0	0.5	0	0	13.0	14.3	0.7	13.0	8.2	0	0
18	0	0	0	0	0	13.0	13.9	0.6	13.2	7.9	0	0
19	0	0	0	0	0.3	12.8	11.6	0.6	13.2	7.6	0	0
20	0	0	0	0	8.1	12.5	6.4	0.5	13.2	6.8	0	0
21	0	0	0	0	11.0	13.3	4.7	0.5	13.0	2.1	0	0
22	0	0	0	0	10.6	10.8	2.1	0.4	13.0	+	0	0
23	0	0	0	0	10.6	23.	2.1	0.4	13.0	0	0	0
24	0	0	0	0	0.4	23.	2.0	0.4	12.0	0	0	0
25	0	0	0	0	0.4	18.4	2.0	0.4	12.6	0	0	0
26	0	0	0	0.2	0.1	11.4	2.0	1.3	12.8	0	0	0
27	0	0	0	+	0.1	5.0	1.9	2.2	12.8	0	0	0
28	0	0	0	0	0.1	8.0	1.9	2.2	12.8	0	0	0
29	0	0	0	0		11.0	1.9	2.2	12.8	0	0	0
30	14.2	0	0	0		11.0	1.9	2.2	13.0	0	0	0
31	14.6		0	0		10.8		2.1		0	0	
		0		0.2		203.4		31.0		239.5		0
	28.8		0.7		49.2		278.8		249.7		0	
MEAN	0.93	0	.02	.01	1.75	6.56	9.29	1.00	8.32	7.72	0	0
ACRE-FEET	57.	0	1.4	.40	98.	403.	553.	61.	495.	475.	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 2.96
ACRE-FEET 2140.

FORM Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F120B-R

Daily discharge, in second-feet of BIG DALTON CREEK below Big Dalton Dam, for the year ending September 30, 19 59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	+	0	0	0	0	0	0
2	0	0	0	0	0		0	0	0	0	0	0
3	0	0	0	0	0		0	0	0	0	0	0
4	0	0	0	0	0		0	0	0	0	0	0
5	0	0	0	0	0		0	0	0	0	0	0
6	0	0	0	0.1	0		0	0	0	0	0	0
7	0	0	0	0	0		0	0	0	0	0	0
8	0	0	0	0	0		0	0	0	0	0	0
9	0	0	0	0	0		0	0	0	0	0	0
10	0	0	0	0	0		0	0	0	0	0	0
11	0	0	0	0	0.1		0	0	0	0	0	0
12	0	0	0	0	+		0	0	0	0	0	0
13	0	0	0	0	+		12	0	0	0	0	0
14	0	0	0	0	0		15	0	0	0	0	0
15	0	0	0	0	0		14.7	0	0	0	0	0
16	0	0	0	0	0.8		15	0	0	0	0	0
17	0	0	0	0	0.2		11	0	0	0	0	0
18	0	0	0	0	0.2		0.3	0	0	0	0	0
19	0	0	0	0	0.1		+ .1	0	0	0	0	0
20	0	0	0	0	0.1		+	0	0	0	0	0
21	0	0	0	0	0.1		0	0	0	0	0	0
22	0	0	0	0	0.1	+	0	0	0	0	0	0
23	0	0	0	0	0.1	0	0	0	0	0	0	0
24	0	0	0	0	+	0	0	0	0	0	0	0
25	0	0	0	0		0	0	0	0	0	0	0
26	0	0	0	0		0	0	0	0	0	0	0
27	0	0	0	0		0	0	0	0	0	0	0
28	0	0	0	0	+	0	0	0	0	0	0	0
29	0	0	0	0		0	0	0	0	0	0	0
30	0	0	0	0		0	0	0	0	0	0	0
31	0		0	0		0		0		0	0	
	0		0		1.6		68.1		0		0	
		0		0.1		+		0		0		0
MEAN	0	0	0	+	0.06	+	2.28	0	0	0	0	0
ACRE-FEET	0	0	0	0.2	3.6	+	136.	0	0	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.2
ACRE-FEET 140.

STATION 108-R
BIG DALTON CREEK near Mouth of Canyon

LOCATION: WATER-STAGE RECORDER AND BROAD-CRESTED WEIR CONTROL, LAT. 34°09'30" LONG. 117°49'40", IN CENTER OF SEC. 21, T.1N., R9W., 0.6 MILE UPSTREAM FROM MOUTH OF CANYON AND 2.6 MILES NORTHEAST OF GLENDORA, ALTITUDE OF GAGE ABOUT 1170 FEET.

DRAINAGE AREA: 7.5 SQUARE MILES.

RECORDS AVAILABLE: DECEMBER 1919 TO SEPTEMBER 1959.

AVERAGE DISCHARGE: 39 YEARS (1920-59) 1.11 SECOND-FEET.

EXTREMES:
1957-58
MAXIMUM DISCHARGE 121 SECOND-FEET APRIL 5 (GAGE HEIGHT 2.86 FEET).
MINIMUM NO FLOW DURING SEVERAL MONTHS.
1958-59
MAXIMUM DISCHARGE 23 SECOND-FEET APRIL 13. (GAGE HEIGHT 2.16 FEET).
MINIMUM NO FLOW FOR SEVERAL MONTHS.
1919-59
MAXIMUM DISCHARGE ABOUT 1000 SECOND-FEET MARCH 2, 1920.
MINIMUM NO FLOW FOR SEVERAL MONTHS OF EACH YEAR.

REMARKS: RECORDS GOOD FOR LOW FLOWS, FAIR ABOVE 50. CFS. REGULATION AT BIG DALTON FLOOD CONTROL DAM.

OPERATION: RECORDS FURNISHED BY THE UNITED STATES GEOLOGICAL SURVEY WATER RESOURCES BRANCH. SIXTY-SEVEN DISCHARGE MEASUREMENTS FURNISHED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF BIG DALTON CREEK

NEAR Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 58

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	S. HT. CHANGE TOTAL	METER NO.
1358	10/30	1105 / 1125	FALCONE-MIDDLETON	7.0	5.81	1.93	2.01	11.2		.6	14	+.02	FC26
1359	10/30	1129 / 1140	MIDDLETON-FALCONE	7.0	5.58	2.84	2.02	15.8		.6	14	0	FC54
1360	10/30	1443 / 1453	FALCONE-MIDDLETON	7.0	5.68	2.98	2.05	16.9		.6	15	0	FC26
1361	10/30	1450 / 1512	MIDDLETON-FALCONE	7.0	5.47	3.22	2.05	17.6		.6	14	0	FC54
1362	10/31	0905 / 0925	MIDDLETON	7.0	5.51	3.34	2.05	18.4		.6	14	0	"
1363	11/4		U.S.G.S.				1.03	0.02		FLUME			
1364	11/13	1502 / 1508	MIDDLETON	1.5	0.25	0.44	1.13	0.11		.5	6	0	FC49
1365	11/14		U.S.G.S.				1.04	0.04		FLUME			
1366	11/26	0844 / 0847	SARASUA-MIDDLETON	0.90	0.05	0.80	1.00	0.04		.5	4	0	FC49
1367	11/26		U.S.G.S.				1.00	0.01		EST.		0	
1368	12/17		"	3.6	1.44	1.19	1.57	1.72		.6	14	0	
1369	12/19	0955 / 1002	SARASUA	0.80	0.20	2.30	1.28	0.46		.5	5	0	FC49
1370	1/2	1005 / 1008	"	0.60	0.04	0.75	1.07	0.03		.5	4	0	"
1371	1/3		U.S.G.S.				1.07	0.05		FLUME			
1372	1/9	0832 / 0835	SARASUA	0.60	0.04	0.50	1.05	0.02		.5	4	0	FC49
1373	1/16	0918 / 0923	"	0.60	0.02	0.50	1.05	0.01		.5	4	0	"
1374	1/17		U.S.G.S.				1.05	0.04		FLUME			
1375	1/23	0850 / 0853	SARASUA	0.60	0.03	0.67	1.04	0.02		.5	5	0	FC49
1376	1/29		U.S.G.S.	2.7	0.59	0.90	1.26	0.53		.5	10	0	
1377	1/30	0956 / 1002	SARASUA	2.4	0.67	0.57	1.23	0.38		.5	6	0	FC49
1378	2/4		U.S.G.S.	5.6	3.23	2.44	1.78	7.88		.6	13	0	
1379	2/6	0940 / 0953	SARASUA	3.8	1.70	1.94	1.67	3.29		.5	8	0	FC43
1380	2/13	0950 / 1000	"	3.4	1.08	0.89	1.45	0.96		.6	8	0	"
1381	2/20		U.S.G.S.	5.5	3.23	3.41	1.91	11.0		.6	12	0	
1382	2/24		"	3.3	1.18	1.08	1.53	1.28		.6	12	0	
1383	2/27	1306 / 1312	SARASUA	3.0	0.94	1.17	1.52	1.09		.6	7	0	FC43
1384	3/6	0926 / 0932	"	3.0	1.40	0.79	1.44	1.11		.6	6	+.02	"
1385	3/13	0940 / 0945	"	3.0	1.01	0.78	1.51	0.79		.6	6	0	"
1386	3/14		U.S.G.S.	3.3	1.04	0.90	1.47	0.94		.6	12	0	
1387	3/17		"	5.5	4.60		2.00	16.8		.6	11	0	
1388	3/20	0934 / 0942	SARASUA	4.6	5.25	3.79	2.13	19.9		.6	8	0	FC43
1389	3/25	0914 / 0922	SARASUA-TWITTY	4.5	5.11	4.77	2.16	24.4		.6	11	0	"
1390	3/26		U.S.G.S.	6.2			1.94	13.8		.6	18	0	
1391	4/2		"	6.2			1.91	12.2		.6	15	0	
1392	4/6	1817 / 1825	SARASUA	4.5	3.83	3.37	1.94	12.9		.6	10	0	FC43
1393	4/8		U.S.G.S.	6.3	5.04	2.76	1.95	13.9		.6	22	0	
1394	4/11	1217 / 1225	SARASUA	5.5	6.83	3.51	2.12	24.0		.6	8	-.01	FC54
1395	4/17	0954 / 1003	SARASUA-FALCONE	5.0	5.35	3.26	2.05	17.4		.6	11	0	"
1396	4/18		U.S.G.S.	6.5	5.91	2.88	2.04	17.0		.6	14	0	
1397	4/22	0930 / 0937	SARASUA-FALCONE	5.2	3.10	1.61	1.75	4.98		.6	10	+.01	FC54
1398	4/23		U.S.G.S.	5.0	3.53	1.34	1.74	4.72		.6	11	0	
1399	4/24	1107 / 1120	FALCONE	5.7	3.30	1.51	1.73	5.01		.6	10	0	FC55
1400	5/1	1125 / 1140	"	5.5	2.89	1.21	1.71	3.51		.6	11	0	"
1401	5/2		U.S.G.S.	5.6	3.04	1.18	1.71	3.58		.6	13	0	
1402	5/8	1115 / 1130	FALCONE	5.5	2.53	0.87	1.62	2.18		.6	12	0	FC55
1403	5/14	1015 / 1028	"	5.3	2.23	0.85	1.60	1.90		.5	12	0	"
1404	5/16		U.S.G.S.	5.7	2.26	0.74	1.59	1.68		.6	20	0	
1405	5/21		"	3.9	1.16	1.15	1.57	1.33		.6	14	-.01	
1406	5/22	1011 / 1020	SARASUA	3.6	1.04	0.96	1.55	1.02		.5	8	0	FC54
1407	5/29	0920 / 0928	SARASUA-MC BRIDE	4.5	1.65	1.79	1.64	2.95		.6	9	0	FC49
1408	6/5		U.S.G.S.	4.8	1.87	1.39	1.64	2.60		.6	16	0	
1409	6/10		"	4.8	1.65	1.27	1.62	2.09		.6	17	0	
1410	6/12	0945 / 0951	SARASUA-BURKE	4.2	1.49	1.69	1.63	2.52		.6	9	0	FC49
1411	6/19		U.S.G.S.	5.3	4.67	3.00	1.94	14.0		.6	11	+.01	
1412	6/19	1012 / 1025	SARASUA	5.2	4.40	2.98	1.94	13.1		.6	12	+.01	FC54
1413	6/26	0922 / 0936	"	5.0	4.08	2.94	1.92	12.0		.6	11	0	"
1414	7/3	1015 / 1025	MC BRIDE-SARASUA	5.4	4.50	2.80	1.92	12.6		.6	12	0	"
1415	7/8		U.S.G.S.	5.3	4.23	2.78	1.94	11.8		.6	11	+.03	
1416	7/10	0900 / 0910	SARASUA	5.0	4.56	3.26	1.97	14.9		.6	11	+.01	FC54
1417	7/11	0934 / 0944	SARASUA-MC BRIDE	5.0	4.65	3.16	1.97	14.7		.6	13	0	"
1418	7/17	0846 / 0904	MC BRIDE	5.0	3.66	2.13	1.84	7.8		.6	11	0	"
1419	7/23		U.S.G.S.	1.4	0.35	0.80	1.20	0.21		.5 .6	6	0	
1420	7/24	0847 / 0855	MC BRIDE	1.3	0.29	0.72	1.18	0.21		.5	5	0	FC49
1421	7/31	1003 / 1008	"	1.3	0.25	0.44	1.11	0.11		.5	5	0	"
1422	8/7	0945 / 0948	SARASUA	0.60	0.04	1.00	1.08	0.04		.5	5	0	"
1423	8/8		U.S.G.S.				1.08	0.10		FLUME			
1424	8/14	0911 / 0913	SARASUA	0.60	0.03	0.67	1.08	0.02		.5	5	0	FC49
1425	8/21	0831 / 0833	"	0.60	0.04	0.50	1.08	0.02		.6	5	0	"
1426	8/28	0907 / 0909	"	0.60	0.03	0.33	1.06	0.01		.5	5	0	"
1427	9/4		U.S.G.S.				1.05	0.02		FLUME			
1428	9/4	1131 / 1133	SARASUA	0.60	0.03	0.33	1.06	0.01		.5	5	0	FC49
1429	9/11	0942 / 0947	"	0.60	0.02	0.50	1.05	0.01		.5	5	0	"
1430	9/16		U.S.G.S.				1.04	0.01		FLUME			
1431	9/18	0755	SARASUA				1.03	0.01		EST.	0		
1432	9/25	0830	"				1.03	0.01		EST.	0		

DISCHARGE MEASUREMENTS OF BIG DALTON CREEK

NEAR Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 58

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	S. HT. CHANGE TOTAL	METER NO.
1433	10/2		U.S.G.S.				1.01	0.007					
1434	1/8	0911 / 0913	SARASUA	0.70	0.04	0.75	1.04	0.03		.5	4	0	FC49
1435	1/15	0905 / 0910	"	0.50	0.02	0.50	1.04	0.01		.5	3	0	"
1436	1/22		U.S.G.S.				1.06	0.02					
1437	1/29	0951 / 0952	SARASUA	0.60	0.02	0.50	1.05	0.01		.5	4	0	FC49
1438	2/3		U.S.G.S.				1.05	0.03					
1439	2/12	1007 / 1011	SARASUA-MC BRIDE	0.70	0.11	2.00	1.20	0.22		.6	6	0	FC49
1440	2/18		U.S.G.S.				1.37	0.80					
1441	2/19	1040 / 1050	SARASUA	4.2	1.73	0.64	1.45	1.06		.6	11	0	FC49
1442	2/24		U.S.G.S.	3.0	0.48	0.71	1.27	0.34		.5	8	0	
1443	2/26	0911 / 0915	SARASUA	0.70	0.13	2.68	1.25	0.35		.6	5	0	FC49
1444	3/5	1700 / 1704	"	0.60	0.08	2.26	1.18	0.18		.5	4	0	"
1445	3/12	0814 / 0820	"	0.60	0.07	1.71	1.17	0.12		.5	5	0	"
1446	3/13		U.S.G.S.	1.5	0.36	0.36	1.15	0.13		.5	6	0	
1447	3/14	0832 / 0834	SARASUA	0.60	0.06	1.67	1.13	0.10	FLOATS		5	0	FC49
1448	3/24		U.S.G.S.	2.4	0.40	0.28	1.12	0.11		.5	9	0	
1449	3/26	0940 / 0945	SARASUA	0.60	0.06	1.00	1.12	0.06		.6	5	0	FC49
1450	4/2	0836 / 0840	"	0.60	0.06	1.00	1.10	0.06		.5	5	0	"
1451	4/8		U.S.G.S.				1.09	0.08	FLUME				
1452	4/9	0830 / 0833	SARASUA	0.60	0.06	0.83	1.09	0.05		.6	5	0	FC49
1453	4/13	0947 / 1008	"	8.0	7.54	3.00	1.61	22.6		.6	18	.10	FC54
1454	4/13	1427 / 1448	"	6.8	5.63	2.44	1.98	13.8		.6	18	0	"
1455	4/16	0851 / 0914	"	7.4	6.16	2.72	2.07	16.7		.6	22	0	"
1456	4/23	1226 / 1229	"	0.60	0.06	1.00	1.09	0.06		.5	5	0	FC49
1457	4/29		U.S.G.S.				1.09	0.09	FLUME				
1458	4/30	1000 / 1003	SARASUA	0.60	0.06	0.84	1.10	0.05		.6	5	0	FC49
1459	5/6		U.S.G.S.	1.4	0.22	0.22	1.07	0.05		.5	8	0	
1459a	5/7	1045 / 1050	SARASUA	0.60	0.04	0.75	1.07	0.03		.6	5	0	FC49
1460	5/14	1125 / 1129	"	0.80	0.05	0.60	1.12	0.03		.6	4	0	"
1461	5/21	1627 / 1629	"	0.90	0.08	0.50	1.10	0.04		.6	4	0	"
1462	5/28	1000 / 1004	"	0.60	0.04	0.50	1.08	0.02		.5	3	0	"
1462a	6/4	0834 / 0836	"	0.60	0.05	0.40	1.04	0.02		.5	4	0	"
1463	6/4		U.S.G.S.				1.03	0.01	FLUME				

76D74M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U9-R

Daily discharge, in second-feet of BIG DALTON CREEK near Mouth of Canyon, for the year ending September 30, 1958

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0.2	0	0.1	0.3	1.3	26	3.6	2.7	1.3	0.1	0
2	0	0.1	0	0.1	0.3	1.1	14	3.3	2.6	1.2	0.1	0
3	0	0.1	0	0.1	1.1	1.1	34	2.6	2.6	1.3	0.1	0
4	0	0	0	0	1.8	1.0	21	2.4	2.4	1.3	0.1	0
5	0	0	0	0	6.4	0.9	65	2.3	2.4	1.3	0.1	0
6	0	0	0	0	3.3	1.9	61	2.1	2.4	1.3	0.1	0
7	0	0	0	0	2.6	1.9	34	2.0	2.4	1.3	0.1	0
8	0	0	0	0	2.3	1.6	14	2.0	2.4	1.4	0.1	0
9	0	0	0	0	2.0	1.4	41	2.0	2.3	1.5	0.1	0
10	0	0	0	0	1.7	1.3	53	1.9	2.3	1.5	0.1	0
11	0	0.1	0	0	1.3	1.5	35	1.9	2.3	1.5	0.1	0
12	0	0.1	0	0	1.0	1.3	22	1.9	2.3	1.4	0.1	0
13	0	0.1	0	0	0.9	1.1	19	1.9	8.4	1.4	0.1	0
14	0	0	0	0	0.8	0.9	18	1.8	1.3	1.4	0.1	0
15	0	0	0.1	0	0.7	1.7	17	1.7	1.3	9.3	0.1	0
16	0	0	0.9	0	0.6	1.4	17	1.6	1.3	7.7	0.1	0
17	0	0	2.2	0	0.5	1.7	17	1.5	1.3	7.7	0.1	0
18	0	0	0.7	0	0.5	1.5	17	1.3	1.3	7.3	0.1	0
19	0	0	0.4	0	2.3	1.4	14	1.3	1.4	7.3	0.1	0
20	0	0	0.3	0	7.7	1.3	8.9	1.3	1.4	6.7	0.1	0
21	0	0	0.2	0	11	1.7	7.9	1.1	1.4	2.2	0.1	0
22	0	0	0.2	0	9.8	1.6	5.1	1.1	1.4	0.3	0.1	0
23	0	0	0.2	0	9.8	2.7	4.8	1.0	1.4	0.2	0.1	0
24	0	0	0.1	0	1.4	2.7	4.6	1.0	1.2	0.2	0.1	0
25	0	0	0.1	0	2.0	2.1	4.6	0.9	1.3	0.2	0.1	0
26	0	0	0.1	1.5	1.5	1.4	4.4	1.9	1.3	0.2	0	0
27	0	0	0.1	0.6	1.1	9.3	4.4	2.8	1.3	0.1	0	0
28	0	0	0.1	0.5	1.2	1.1	4.1	2.8	1.3	0.1	0	0
29	0	0	0.1	0.5		1.4	3.9	2.8	1.3	0.1	0	0
30	9.6	0	0.1	0.4		1.4	3.6	2.7	1.3	0.1	0	0
31	1.5		0.1	0.3		1.4		2.7		0.1	0	
	24.6		6.0		92.1		595.3		262.5		2.5	
		0.7		4.1		277.3		61.2		240.8		0
MEAN	0.79	0.02	0.19	0.13	3.29	8.95	19.8	1.97	8.75	7.77	0.08	0
ACRE-FEET	49.	1.4	12.	8.1	183.	550.	1180.	121.	521.	478.	5.0	0

Remarks:

YEAR OR PERIOD MEAN 4.29
ACRE-FEET 3110.

76D74M Gb 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U9-R

Daily discharge, in second-feet of BIG DALTON CREEK near Mouth of Canyon, for the year ending September 30, 1959

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0.2	0.1	0.1	0	0	0	0
2	0	0	0	0	0	0.2	0.1	0.1	0	0	0	0
3	0	0	0	0	0	0.2	0.1	0.1	0	0	0	0
4	0	0	0	0	0	0.2	0.1	0.1	0	0	0	0
5	0	0	0	0	0	0.2	0.1	0.1	0	0	0	0
6	0	0	0	0.5	0	0.2	0.1	0.1	0	0	0	0
7	0	0	0	0.1	0	0.2	0.1	0.1	0	0	0	0
8	0	0	0	0	0	0.2	0.1	0.1	0	0	0	0
9	0	0	0	0	0	0.2	0.1	0.1	0	0	0	0
10	0	0	0	0	0	0.2	0.1	0	0	0	0	0
11	0	0	0	0	0.5	0.2	0.1	0	0	0	0	0
12	0	0	0	0	0.2	0.2	0.1	0	0	0	0	0
13	0	0	0	0	0.1	0.1	8.6	0	0	0	0	0
14	0	0	0	0	0.1	0.1	11	0	0	0	0	0
15	0	0	0	0	0.1	0.1	14	0	0	0	0	0
16	0	0	0	0	2.8	0.1	14	0	0	0	0	0
17	0	0	0	0	1.7	0.1	10	0	0	0	0	0
18	0	0	0	0	1.2	0.1	1.0	0	0	0	0	0
19	0	0	0	0	1.0	0.1	0.5	0	0	0	0	0
20	0	0	0	0	0.6	0.1	0.3	0	0	0	0	0
21	0	0	0	0	0.8	0.1	0.2	0	0	0	0	0
22	0	0	0	0	0.5	0.1	0.1	0	0	0	0	0
23	0	0	0	0	0.4	0.1	0.1	0	0	0	0	0
24	0	0	0	0	0.4	0.1	0.1	0	0	0	0	0
25	0	0	0	0	0.3	0.1	0.1	0	0	0	0	0
26	0	0	0	0	0.3	0.1	0.1	0	0	0	0	0
27	0	0	0	0	0.3	0.1	0.1	0	0	0	0	0
28	0	0	0	0	0.3	0.1	0.1	0	0	0	0	0
29	0	0	0	0		0.1	0.1	0	0	0	0	0
30	0	0	0	0		0.1	0.1	0	0	0	0	0
31	0		0	0		0.1		0		0	0	
	0		0		11.6		61.7		0		0	
		0		0.6		4.3		0.9		0		0
MEAN	0	0	0	0.02	0.41	0.14	2.06	0.03	0	0	0	0
ACRE-FEET	0	0	0	12.	23.	8.5	122.	1.8	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 0.22
ACRE-FEET 156.

STATION F2CE-P
BIG DALTON WASH at Sierra Madre Avenue

LOCATION: WATER-STAGE RECORDER, LAT. 34°08'49", LONG, 117°50'13". ON THE LEFT (EAST) DOWNSTREAM WING WALL OF SIERRA MADRE AVENUE BRIDGE. ELEVATION OF ZERO GAGE HEIGHT 987.21 FEET ABOVE MEAN SEA LEVEL.

DRAINAGE AREA: 7.67 SQUARE MILES.

CHANNEL AND CONTROL: SAND, GRAVEL AND BOULDERS WITH EARTHEN LEVEES. CONTROL - CONCRETE AND ROCK STABILIZER 15 FEET DOWNSTREAM FROM STILLING WELL INSTALLED DECEMBER 10, 1953.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM UPSTREAM SIDE OF SIERRA MADRE AVENUE BRIDGE.

RECORDER: AN H.C.F. RECORDER IN SERVICE FROM OCTOBER 1, 1957 TO MAY 8, 1959. RECORDER REMOVED DUE TO CHANNEL CONSTRUCTION.

REGULATION: FLOW PARTIALLY REGULATED BY BIG DALTON DAM AND BIG DALTON SPREADING GROUNDS.

DIVERSIONS: GLENDORA MUTUAL WATER COMPANY DIVERTS FLOW FROM BIG DALTON CANYON.

RECORDS AVAILABLE: DECEMBER 27, 1951 TO SEPTEMBER 30, 1959

EXTREMES OF DISCHARGE:
1957-58
MAXIMUM 173 SECOND-FEET APRIL 5.
MINIMUM NO FLOW MOST OF YEAR.
1958-59
MAXIMUM 15. SECOND-FEET APRIL 13.
MINIMUM NO FLOW MOST OF YEAR
1951-59
MAXIMUM 80 SECOND-FEET JANUARY 26, 1956.
MINIMUM NO FLOW MOST OF EVERY YEAR.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF BIG DALTON CREEK

AT NEAR Sierra Madre Avenue DURING THE YEAR ENDING SEPTEMBER 30, 1958

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METH. OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
34	2/3	2350 / 2355	SARASUA-PITTS	3.2	0.53	0.71	2.71	0.38		.5	9	+.01	FC49
35	2/13	0755 / 0802	SARASUA	1.3	0.12	0.83	2.85	0.10		.5	6	0	"
36	2/24	1011 / 1020	"	3.0	0.67	1.27	3.00	0.85		.6	8	+.01	"
37	2/25	0542 / 0548	SARASUA-PITTS	3.5	1.10	1.46	3.09	1.6		.6	7	0	FC43
38	3/6	0953 / 2004	" "	3.3	0.61	2.13	3.03	1.3		.5	6	0	"
39	3/11	0952 / 0955	SARASUA	1.4	0.23	1.08	2.90	0.25		.6	5	0	FC49
40	3/13	1000 / 1005	"	1.4	0.16	0.88	2.91	0.14		.6	6	0	"
41	3/15	1346 / 1348	SARASUA-PITTS	1.0	0.25	1.00	2.95	0.25		.6	4	0	FC43
42	3/20	1010 / 1015	SARASUA	2.8	0.43	0.93	2.90	0.38		.6	6	0	"
43	3/20	1815 / 1854	SARASUA-PITTS	4.0	1.22	2.54	3.13	3.1		.6	7	+.03	"
44	3/22	0152 / 0200	" "	6.0	2.29	2.80	3.22	6.4		.6	9	+.01	"
45	3/24	1428 / 1440	SARASUA	6.5	3.37	2.84	3.27	9.6		.6	14	+.01	"
46	3/25	0940 / 0950	SARASUA-TWITTY	7.5	4.89	4.13	3.46	20.2		.6	16	0	"
47	3/27	1232 / 1240	SARASUA	6.0	3.12	3.23	3.20	10.1		.6	9	0	"
48	3/31	1515 / 1520	"	4.5	1.49	1.21	2.89	1.8		.6	7	0	"
49	4/1	1930 / 1940	SARASUA-PITTS	9.5	6.13	4.57	3.41	28.1		.6	14	−.02	"
50	4/3	0420 / 0427	" "	5.8	2.16	1.44	2.85	3.1		.6	8	0	"
51	4/3	1656 / 1703	" "	6.5	2.76	3.74	3.25	10.3		.6	9	0	"
52	4/5	1747 / 1804	SARASUA-FALCONE	9.0	10.9	7.03	3.73	76.5		.6	12	0	"
53	4/6	1005 / 1012	" "	7.0	5.62	3.93	3.42	22.0		.6	10	−.16	"
54	4/10	0830 / 0845	FALCONE	12.5	9.99	3.05	3.58	30.4		.6	11	+.02	FC55
55	4/11	1255 / 1309	SARASUA	7.2	4.93	2.23	3.26	11.0		.6	11	−.04	FC54
56	4/14	1835 / 1845	FALCONE	10.3	4.50	1.75	3.21	7.9		.6	11	0	FC55
57	4/17	1015 / 1024	SARASUA-FALCONE	6.8	4.37	1.81	3.20	7.9		.6	10	0	FC54
58	4/22	1000 / 1009	" "	3.0	1.68	1.25	2.96	2.1		.6	7	0	"
59	4/24	1200 / 1207	FALCONE	3.0	0.88	0.19	2.69	0.17		.6	7	−.01	FC55
60	6/26	0810 / 0820	SARASUA	4.0	1.36	1.06	2.89	1.4		.6	9	0	FC49
61	7/3	0739 / 0753	MC BRIDE - SARASUA	5.6	1.83	1.14	2.91	2.1		.6	12	0	"
62	7/10	0750 / 0805	SARASUA	5.8	1.73	1.15	2.92	2.0		.6	14	0	"
63	7/17	0750 / 0805	MC BRIDE	5.7	1.31	0.77	2.85	1.0		.5	13	−.01	"

DISCHARGE MEASUREMENTS OF BIG DALTON CREEK

AT NEAR Sierra Madre Avenue DURING THE YEAR ENDING SEPTEMBER 30, 1959

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METH. OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
64	1/6	1046 / 1052	MC BRIDE	4.4	1.04	0.63	2.84	0.66		.5	11	−.01	FC49
65	2/16	1816 / 1826	SARASUA-MC BRIDE	6.1	3.10	2.38	3.20	7.4		.6	13	0	FC54
66	2/18	0850 / 0855	SARASUA	4.6	0.70	1.14	2.75	0.67	FLOATS	9	0		
67	2/19	0828 / 0840	"	3.5	0.59	1.02	2.78	0.59		.5	12	0	FC49
68	2/21	1107 / 1112	SARASUA-MC BRIDE	1.5	0.19	0.53	2.67	0.10		.6	6	0	"
69	2/21	1734 / 1737	" "	1.4	0.27	0.70	2.75	0.19		.5	5	0	"
70	4/13	1535 / 1542	SARASUA	2.4	0.38	0.34	2.70	0.13		.5	7	0	"

76D74M C4b 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F202-R

Daily discharge, in second-feet of BIG DALTON CREEK at Sierra Madre Avenue, for the year ending September 30, 19 58

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0.8	37	0	0	2.9	0	0
2	0	0	0	0	0	0.6	22	0	0	2.7	0	0
3	0	0	0	0	+	0.5	34	0	0	1.9	0	0
4	0	0	0	0	17	0.4	87	0	0	2.1	0	0
5	0	0	0	0	3.6	0.3	54	0	0	2.1	0	0
6	0	0	0	0	0	0.8	51	0	0	2.2	0	0
7	0	0	0	0	0	0.6	27	0	0	2.1	0	0
8	0	0	0	0	0	0.5	55	0	0	1.9	0	0
9	0	0	0	0	0	0.4	17	0	0	1.9	0	0
10	0	0	0	0	0	0.3	25	0	0	1.9	0	0
11	0	0	0	0	0	0.3	8.2	0	0	2.2	0	0
12	0	0	0	0	0	0.3	8.7	0	0	2.4	0	0
13	0	0	0	0	+	0.2	8.7	0	0.4	2.4	0	0
14	0	0	0	0	+	0.1	7.8	0	0	2.2	0	0
15	0	0	0	0	0	0.3	7.2	0	0	1.9	0	0
16	0	0	0	0	0	2.9	7.8	0	0	1.8	0	0
17	0	0	0.7	0	0	+	7.8	0	0	0.9	0	0
18	0	0	C	0	0	0.4	7.8	0	0	0.8	0	0
19	0	0	0	0	0.3	0.4	7.5	0	0	0.1	0	0
20	0	0	0	0	+	1.0	3.9	0	0.1	0	0	0
21	0	0	0	0		5.8	2.7	0	0.5	0	0	0
22	0	0	0	0		3.9	1.9	0	0.8	0	0	0
23	0	0	0	0	+	3.3	0.9	0	0.9	0	0	0
24	0	0	0	0	0.4	7.3	0.2	0	1.1	0	0	0
25	0	0	0	0	1.0	12	0	0	1.2	0	0	0
26	0	0	0	0.4	0	0.2	0	0	1.5	0	0	0
27	0	0	0	0	0	4.5	0	0	1.6	0	0	0
28	0	0	0	0	0.5	1.6	0	0	1.9	0	0	0
29	0	0	0	0		1.3	0.2	0	2.1	0	0	0
30	0	0	0	0		1.4	0	0	2.4	0	0	0
31	0		0	0		1.8		0		0	0	
		0		0.4		54.3		0		36.4		0
	0		0.7		22.8		342.7		14.5		0	
MEAN	0	0	0.02	0.01	0.81	1.75	11.4	0	0.48	1.17	0	0
ACRE-FEET	0	0	1.4	0.79	45.	108.	680.	0	29.	72.	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 1.29
ACRE-FEET 936.

76D74M C4b 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F202-R

Daily discharge, in second-feet of BIG DALTON WASH at Sierra Madre Avenue, for the year ending September 30, 19 59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	0				
2	0	0	0	0	0	0	0	0				
3	0	0	0	0	0	0	0	0				
4	0	0	0	0	0	0	0	0				
5	0	0	0	0	0	0	0	0				
6	0	0	0	0.2	0	0	0	0				
7	0	0	0	0	0	0	0	0				
8	0	0	0	0	0	0	0	0				
9	0	0	0	0	0	0	0					
10	0	0	0	0	0	0	0					
11	0	0	0	0	0.1	0	0					
12	0	0	0	0	0	0	0					
13	0	0	0	0	0	0	0.3					
14	0	0	0	0	0	0	0					
15	0	0	0	0	0	0	0					
16	0	0	0	0	2.4	0	0					
17	0	0	0	0	+	0	0					
18	0	0	0	0	0.6	0	+					
19	0	0	0	0	0.5	0	0	RECORDER REMOVED				
20	0	0	0	0	0.1	0	0					
21	0	0	0	0	0.1	0	0					
22	0	0	0	0	0.1	0	0					
23	0	0	0	0	+	0	0					
24	0	0	0	0	0	0	0					
25	0	0	0	0	0	0	0					
26	0	0	0	0	0	0	0					
27	0	0	0	0	0	0	0					
28	0	0	0	0	0	0	0					
29	0	0	0	0		0	0					
30	0	0	0	0		0	0					
31	0		0	0		0						
		0		0.2		0		0		0		0
	0		0		3.9		0.3		0		0	
MEAN	0	0	0	0.01	0.14	0	0.01	0	0	0	0	0
ACRE-FEET	0	0	0	0.4	7.7	0	0.6	0	0	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.01
ACRE-FEET 8.7

STATION F274B-R
DALTON WASH at Merced Avenue

LOCATION: WATER-STAGE RECORDER, LAT. 34°04'29", LONG. 117°57'47", ON THE RIGHT (WEST) BANK AND UPSTREAM OF MERCED AVENUE ABOUT 150 FEET, ABOUT ONE-HALF MILE ABOVE THE JUNCTION WITH WALNUT WASH AND ABOUT ONE MILE SOUTH OF BALDWIN PARK, ELEVATION OF ZERO, GAGE HEIGHT 348.26 FEET. FORMER STATION, F274-R, WAS LOCATED 150 FEET DOWNSTREAM, NOT INCLUDING THE AREA ABOVE PUDDINGSTONE DIVERSION DAM.

DRAINAGE AREA: 36.0 SQUARE MILES AFTER SEPTEMBER 1958, AND 28 SQUARE MILES PRIOR TO SEPTEMBER 1958.

CHANNEL AND CONTROL: CHANNEL - RECTANGULAR CONCRETE CHANNEL 60 FEET WIDE BY 15 FEET DEEP WITH 0.5 FEET WARP OF CHANNEL BOTTOM AT STATION.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING, HIGH FLOWS MEASURED FROM FOOTBRIDGE 100 FEET UPSTREAM FROM STATION.

RECORDER: AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1957 TO APRIL 19, 1958 AN A-35 CONTINUOUS RECORDER WAS IN SERVICE FROM NOVEMBER 20, 1958 TO SEPTEMBER 30, 1959.

REGULATION: PARTIALLY REGULATED BY BIG DALTON DAM, SAN DIMAS DAM, PUDDINGSTONE DIVERSION DAM, BIG DALTON SPREADING GROUNDS, LITTLE DALTON SPREADING GROUNDS, AND IRWINDALE SPREADING GROUNDS. THE COVINA AND AZUSA CANALS AT TIMES SPREAD FLOWS IN BIG AND LITTLE DALTON WASHES.

DIVERSIONS: GLENDORA MUTUAL WATER COMPANY DIVERTS FLOW FROM BOTH BIG AND LITTLE DALTON CANYONS; SAN DIMAS WATER COMPANY AND SAN DIMAS LAND AND WATER COMPANY DIVERTS FLOW FROM SAN DIMAS CREEK.

RECORDS AVAILABLE: NOVEMBER 11, 1940 TO SEPTEMBER 30, 1958 AT STATION F274-R AND FROM OCTOBER 1, 1958 TO SEPTEMBER 30, 1959 AT STATION F274B-R.

EXTREMES OF DISCHARGE:
1957-58
MAXIMUM 1310 SECOND-FEET, MARCH 16.
MINIMUM NO FLOW PART OF YEAR.
1958-59
MAXIMUM 2700 SECOND-FEET, JANUARY 6.
MINIMUM NO FLOW PART OF YEAR.
1940-59
MAXIMUM 2650 SECOND-FEET, FEBRUARY 22, 1944.
MINIMUM NO FLOW PART OF EACH YEAR.

ACCURACY: GOOD

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

REMARKS: CHANNEL UNDER CONSTRUCTION FROM APRIL TO NOVEMBER 1958. SAN DIMAS WASH UPSTREAM OF AZUSA AVENUE IS NOW PART OF THE DALTON WASH SYSTEM.

DISCHARGE MEASUREMENTS OF DALTON WASH

AT OR NEAR Merced Avenue DURING THE YEAR ENDING SEPTEMBER 30, 19 59

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
339	10/11	0836 / 0854	MIDDLETON	19.5	7.96	1.53	2.03	12.2		.6	12	-.06	FC54
340	10/11	1550 / 1557	MIDDLETON-SARASUA	29.0	17.8	3.01	2.37	53.7		.6	12	-.04	"
341	10/11	1835 / 1845	" "	26.0	29.2	4.35	2.76	127.		.6	12	-.12	"
342	10/13	2222 / 2232	" "	28.0	12.4	1.91	2.33	23.7		.6	11	+.09	"
343	10/14	0151 / 0200	" "	33.0	16.0	1.98	2.30	31.7		.6	13	+.20	"
344	12/5	0422 / 0442	SARASUA-MC BRIDE	26.0	11.2	2.55	2.25	28.6		.6	9	-.09	"
345	12/5	1723 / 1740	SARASUA-FALCONE	36.0	22.7	4.36	2.62	98.9		.6	12	-.23	"
346	12/15	0737 / 0750	SARASUA-MC BRIDE	33.5	40.7	5.23	3.11	213.		.6	14	+.11	"
347	12/15	0835 / 0900	" "	35.5	62.6	6.09	3.64	381.		.6	11	-.38	"
348	12/15	1128 / 1150	" "	35.5	65.6	6.65	3.97	436.		.6	10	-.55	"
349	12/15	1545 / 1558	TREAT-LITCHFIELD	31.0	16.5	2.26	2.26	37.4		.6	17	-.09	FC45
350	12/15	1914 / 1922	" "	21.0	4.99	1.36	1.92	6.8		.6	9	-.04	"
351	12/16	1630 / 1638	SARASUA-MC BRIDE	27.0	10.0	1.64	2.08	16.4		.5	12	-.05	FC54
352	12/17	0348 / 0402	" "	36.0	43.4	4.31	3.15	187.		.6	15	-.31	"
353	1/25	2145 / 2210	TREAT-LITCHFIELD	35.0	38.9	6.27	3.12	244.		.6	20	+.16	FC45
354	1/25	2335 / 2355	" "	35.5	38.6	5.88	3.02	226.		.6	20	+.08	"
355	1/26	0135 / 0200	" "	35.5	46.6	6.60	3.20	307.		.6	20	+.30	"
356	1/26	0413 / 0425	" "	30.5	23.9	3.20	2.45	76.7		.6	17	-.06	"
357	1/26	0600 / 0620	" "	35.5	46.9	5.61	3.36	263.		.6	20	+.12	"
358	1/26	0715 / 0740	SARASUA-PITTS	35.0	41.0	5.26	3.17	215.		.6	19	-.05	FC43
359	1/26	0825 / 0845	" "	34.6	33.8	3.87	2.89	131.		.6	19	-.55	"
360	1/26	1005 / 1018	" "	27.5	10.6	1.59	1.98	16.9		.6	14	-.09	"
361	2/3	0610 / 0625	TREAT-LITCHFIELD	31.0	17.6	1.82	2.31	32.2		.6	18	+.02	FC45
362	2/3	0910 / 0925	" "	32.0	27.7	3.42	2.58	94.8		.6	18	-.018	"
363	2/3	1355 / 1410	" "	32.0	24.7	3.53	2.56	87.2		.6	18	-.16	"
364	2/3	2345 / 2400	" "	36.0	51.8	5.81	3.51	301.		.6	18	+.02	"
365	2/4	0505 / 0520	" "	35.0	48.6	6.23	3.65	303.		.6	12	+.60	"
366	2/4	0650 / 0700	" "	35.0	32.2	4.41	2.78	142.		.6	12	-.13	"
367	2/4	1525 / 1535	" "	12.0	40.8	4.77	3.01	195.		.6	12	-.04	"
368	2/19	0520 / 0545	" "	35.0	38.0	5.53	3.05	210.		.6	20	+.30	"
369	2/19	0645 / 0705	" "	35.0	32.8	4.82	2.77	158.		.6	20	-.15	"
370	2/19	1010 / 1025	" "	36.0	48.8	5.98	3.37	292.		.6	13	+.18	"
371	2/19	1410 / 1430	" "	36.0	88.8	7.14	5.00	634.		.6	12	-.48	"
372	2/25	0705 / 0725	TREAT-VITA	36.0	77.7	6.94	4.55	539.		.6	12	-.10	"
373	2/25	0825 / 0840	" "	36.0	43.8	5.18	3.30	227.		.6	12	-.20	"
374	3/6	1653 / 1702	SARASUA-EVANS	34.0	34.7	4.11	2.80	143.		.6	12	+.16	FC43
375	3/6	1920 / 1935	TREAT-VITA	32.0	20.1	2.98	2.29	59.8		.6	18	-.13	FC45
376	3/6	2110 / 2120	" "	13.0	4.85	1.84	1.91	8.9		.6	7	-.02	"
377	3/11	0738 / 0747	SARASUA	11.0	5.18	1.78	1.80	9.2		.6	10	-.05	FC43
378	3/15	1605 / 1620	TREAT-LITCHFIELD	32.0	21.1	3.22	2.43	68.0		.6	18	-.03	FC45
379	3/15	1825 / 1840	" "	32.0	16.7	2.37	2.25	39.6		.6	13	-.08	"
380	3/16	0025 / 0045	" "	36.5	89.2	7.54	4.67	673.		.6	12	+.25	"
381	3/16	0450 / 0510	" "	36.0	69.8	6.76	4.30	472.		.6	12	-.30	"
382	3/16	0640 / 0650	" "	28.0	32.2	3.70	2.72	119.		.6	16	-.14	"
383	3/16	1515 / 1520	SARASUA-PITTS	8.0	2.36	0.85	1.93	2.0		.6	10	-.01	FC43
384	3/20	1825 / 1835	TREAT-LITCHFIELD	20.0	7.30	1.63	2.07	11.9		.6	11	+.14	FC45
385	3/20	1945 / 1955	" "	28.0	33.0	4.45	2.92	147.		.6	11	+.07	"
386	3/21	0015 / 0025	" "	27.5	16.9	2.97	2.35	50.2		.6	12	-.04	"
387	3/22	0110 / 0125	" "	36.5	51.8	6.20	3.50	321.		.6	12	+.20	"
388	3/22	1202 / 1207	SARASUA-PITTS	5.2	1.29	0.61	1.88	0.79		.6	8	0	FC43
389	3/27	1310 / 1330	TREAT-LITCHFIELD	36.0	30.3	4.02	2.90	122.		.6	12	-.30	FC45
390	3/27	1630 / 1640	" "	28.0	18.0	2.44	2.34	43.9		.6	12	+.04	"
391	3/27	1930 / 1940	" "	27.0	7.20	1.08	2.01	7.8		.6	12	-.02	"
392	3/31	1605 / 1616	SARASUA	29.0	16.2	2.55	2.47	41.9		.6	16	-.10	FC43
393	4/1	0210 / 0220	TREAT-LITCHFIELD	28.0	19.8	3.07	2.58	60.9		.6	12	-.02	FC45
394	4/1	0540 / 0550	" "	27.0	10.1	1.69	2.12	16.8		.6	12	+.16	"
395	4/1	0815 / 0830	" "	37.0	108.1	8.55	5.50	919.		.6	12	-.20	"
396	4/1	1220 / 1230	" "	37.0	74.5	7.48	4.27	558.		.6	12	+.14	"
397	4/1	1420 / 1435	" "	37.0	62.1	6.42	4.05	397.		.6	12	-.10	"
398	4/2	0805 / 0825	SARASUA	CHANNELS			1.87	10.0		.6	19	-.01	FC43
399	4/3	0235 / 0250	TREAT-LITCHFIELD	28.0	35.4	4.63	3.24	164.		.6	12	+.12	FC45
400	4/3	0615 / 0630	" "	37.0	104.1	8.25	5.45	858.		.6	12	-.30	"
401	4/3	0845 / 0905	" "	37.0	91.2	7.04	5.10	642.		.6	12	-.30	"
402	4/3	1230 / 1245	" "	28.0	32.6	4.66	3.13	152.		.6	12	-.06	"
403	4/3	1440 / 1450	" "	28.0	24.6	4.31	2.83	106.		.6	12	-.02	"
404	4/6	1117 / 1129	SARASUA-FALCONE	29.0	18.9	3.83	2.65	72.4		.6	14	+.08	FC43
405	4/6	1335 / 1346	" "	30.0	38.7	6.02	3.58	233.		.6	15	0	"
406	4/6	1551 / 1604	FALCONE-SARASUA	30.5	12.3	2.15	2.42	26.5		.6	12	-.03	"
407	4/7	0320 / 0325	TREAT-LITCHFIELD	37.0	33.1	4.92	3.14	163.		.6	15	-.08	FC45
408	4/7	1410 / 1420	" "	28.0	28.9	4.39	3.04	127.		.6	12	-.07	"
409	4/11	1020 / 1032	SARASUA	4.5	1.66	1.14	2.05	1.9		.6	10	0	FC54

DISCHARGE MEASUREMENTS OF DALTON WASH

AT OR NEAR Merced Avenue DURING THE YEAR ENDING SEPTEMBER 30, 19 59

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1	12/18	1510 / 1520	SARASUA	8.5	0.34	0.53	0.10	0.18		.5	7	0	FC49
2	12/26	1642 / 1655	"	7.0	0.59	0.73	0.15	0.43		.5	13	0	"
3	1/2	1704 / 1712	"	10.0	0.73	0.51	0.13	0.32		.5	11	0	"
4	1/5	0942 / 1000	"	21.0	1.99	1.10	0.21	2.2		.5	23	0	"
5	1/5	2325 / 2340	SARASUA-MC BRIDE	59.2	25.8	3.91	0.67	101.		.6	14	+.08	FC54
6	1/5	2346 / 0003	" "	59.2	30.5	4.23	0.76	129.		.6	18	+.08	"
7	1/6	0132 / 0150	" "	60.0	57.0	5.91	1.17	337.		.6	20	+.01	"
8	1/6	0800 / 0815	TREAT-LITCHFIELD	60.0	26.3	3.88	0.65	102.		.6	22	-.10	FC45
9	1/6	1155 / 1204	SARASUA-MCBRIDE	38.4	7.04	1.72	0.28	12.1		.5	12	0	FC54
10	1/9	0830 / 0848	SARASUA	25.0	2.18	1.19	0.22	2.6		.6	16	0	FC49
11	1/16	0850 / 0906	"	26.0	2.80	1.61	0.24	4.5		.6	16	0	"
12	1/22	0830 / 0842	"	25.9	3.04	1.35	0.24	4.1		.5	18	0	"
13	1/29	1702 / 1716	"	20.0	1.70	1.00	0.17	1.7		.5	11	0	"
14	2/6	1030 / 1042	"	7.0	0.88	1.11	0.16	0.98		.5	13	0	"
15	2/8	0835 / 0900	TREAT-LITCHFIELD	59.0	26.5	4.64	0.58	123.		.5	22	+.04	FC45
16	2/8	1245 / 1300	LITCHFIELD-TREAT	60.0	14.4	2.55	0.38	36.7		.6	22	+.04	"
17	2/8	1417 / 1429	SARASUA-MCBRIDE	53.0	8.92	1.86	0.38	16.6	.5 EST.	22	-.03	FC54	
18	2/9	0912 / 0928	SARASUA	34.4	2.50	0.76	0.16	1.9		.5	14	0	FC49
19	2/11	0230 / 0248	LITCHFIELD-TREAT	60.0	23.8	3.96	0.55	94.2		.6	18	+.16	FC45
20	2/11	0650 / 0715	" "	60.0	107.	14.4	2.10	1560.		.6	17	+.26 -.26	"
21	2/11	1020 / 1028	" "	50.0	9.07	1.88	0.38	17.0		.6	10	-.04	FC44
22	2/12	0850 / 0904	SARASUA	23.0	2.27	0.79	0.18	1.8		.6	16	0	FC49
23	2/16	0425 / 0435	LITCHFIELD-TREAT	60.0	21.3	4.49	0.54	93.7		.6	13	+.04	FC44
24	2/16	0724 / 0732	" "	60.0	17.6	3.55	0.43	62.5		.6	13	-.02	"
25	2/16	1220 / 1230	" "	60.0	20.4	3.58	0.63	73.2		.6	15	-.34	"
26	2/16	1550 / 1600	" "	60.0	74.4	9.19	1.30	690.		.6	15	-.10	"
27	2/16	1632 / 1640	" "	60.0	55.0	8.91	0.97	494.		.6	15	-.31	"
28	2/16	1935 / 1955	SARASUA-MC BRIDE	59.5	18.8	3.85	0.48	72.4		.6	26	-.03	FC49
29	2/21	1040 / 1050	LITCHFIELD-TREAT	60.0	17.7	3.74	0.52	66.3		.6	11	+.12	FC44
30	2/21	1315 / 1325	" "	60.0	15.3	3.33	0.48	51.0		.6	11	+.04	"
31	2/26	1632 / 1644	SARASUA	5.0	0.41	0.78	0.11	0.32		.6	9	0	FC49
32	3/6	0824 / 0830	SARASUA	5.0	0.35	0.34	0.10	0.12		.5	10	0	FC49
33	3/12	1610 / 1620	"	6.0	0.41	1.04	0.12	0.42		.6	10	0	"
34	3/26	1625 / 1640	"	19.2	1.74	0.92	0.19	1.6		.6	17	0	"
35	4/2	1655 / 1710	"	29.6	3.35	1.27	0.24	4.3		.6	21	0	"
36	4/9	1610 / 1628	"	18.0	1.49	0.74	0.16	1.1		.6	15	0	"
37	4/17	0725 / 0750	"	27.0	3.82	1.83	0.28	7.0		.6	22	0	"
38	4/23	1540 / 1541	"	4.0	0.20	0.25	0.07	0.05		.5	3	0	"
39	4/25	1955 / 2007	"	60.0	32.8	4.85	0.65	159.		.6	12	-.10	FC54
40	4/25	2220 / 2230	LITCHFIELD-TREAT	60.0	17.4	3.64	0.45	63.3		.6	13	0	FC44
41	5/1	0915 / 0923	SARASUA	8.5	0.81	0.73	0.14	0.59		.6	9	-.01	FC49
42	5/6	1620 / 1624	"	3.0	0.22	0.37	0.09	0.08		.5	6	0	"
43	5/21	1732 / 1740	"	6.4	0.69	0.78	0.13	0.54		.6	8	0	"
44	5/28	1622 / 1642	MC BRIDE	29.0	3.57	1.31	0.24	4.7		.5 .6	16	-.04	"
45	6/4	1635 / 1652	SAPASUA	18.4	1.72	0.93	0.18	1.6		.6	17	0	"
46	6/11	1520 / 1534	MC BRIDE	CHANNELS			0.20	2.6		SURF .5 .6	10	0	"
47	6/18	1915 / 1928	SARASUA	16.2	1.71	1.00	0.18	1.7		.6	14	0	"
48	6/24	1650 / 1705	"	23.2	2.77	1.23	0.23	3.4		.6	17	0	"
49	7/2	1628 / 1639	"	11.5	1.03	0.85	0.15	0.91		.6	12	0	"
50	7/9	1602 / 1618	"	15.2	1.43	0.98	0.18	1.4		.6	14	0	"
51	7/16	1635 / 1642	"	4.0	0.26	0.46	0.08	0.12		.6	8	0	"
52	7/23	1630 / 1635	"	5.0	0.37	0.54	0.10	0.21		.6	8	0	"
53	7/30	1625 / 1630	"	6.0	0.61	0.64	0.13	0.39		.6	8	0	"
54	8/3	0804 / 0817	"	23.0	2.50	1.20	0.22	3.0		.6	16	0	"
55	8/6	1540 / 1545	"	8.0	0.58	0.43	0.10	0.25		.6	8	0	"
56	8/13	1618 / 1632	MC BRIDE	CHANNELS			0.16	1.2		.5	10	0	"
57	8/20	1914 / 1930	SARASUA	16.5	1.64	1.03	0.19	1.7		.6	15	0	"
58	8/28	0802 / 0810	"	4.0	0.26	0.31	0.09	0.08		.6	7	0	"
59	9/1	0825 / 0844	"	23.5	2.80	1.35	0.23	3.8		.6	20	0	"
60	9/3	1700 / 1710	"	18.0	2.10	1.19	0.21	2.5		.6	13	0	"
61	9/10	0745 / 0800	"	23.5	3.35	1.49	0.26	5.0		.6	17	0	"
62	9/17	1600 / 1610	"	11.5	1.21	1.07	0.17	1.3		.6	11	0	"
63	9/24	1738 / 1745	"	6.0	0.45	0.58	0.11	0.26		.6	6	0	"

76D74M Gdh 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F27-R

Daily discharge, in second-feet of DALTON WASH at Merced Avenue for the year ending September 30, 19 59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	303					
2	0	6.2	0	0	0.5	0	12					
3	0	1.8	0	0	66	0	236					
4	0	0	0	0	264	0	28					
5	0	0	39	0	2.0	0	22					
6	0	0	0	0	0	33	62					
7	0	0	0	0	0	0	219					
8	0	0	0	0	0	0	0					
9	0	0	0	0	0	0	0					
10	0	0	0	0	0	0	5.8					
11	36	0	0	0	0	13	0.9					
12	0	0	0	0	0	4.4	0					
13	2.0	0	0	0	0	0	0					
14	8.3	0	0	0	0	0	0					
15	0	0	107	0	0	8.5	0					
16	0	0	20	0	0	209	0					
17	0	0	6.7	0	0	2.0	0					
18	0	0	0	0	0	0	0					
19	0	0	0	0	144	0	0					
20	0	0	0	0	0	3.0						
21	1.8	0	0	0	0	3.4	RECORDER REMOVED 4/19/58 DUE TO CHANNEL CONSTRUCTION					
22	0	0	0	0	0	61						
23	0	0	0	0	0	0						
24	0	0	0	0	0	0						
25	0	0	0	25	66	0						
26	0	0	0	91	15	0						
27	0	0	0	0	0	56						
28	0	0	0	0	0.8	0						
29	0	0	0	0		0						
30	0	0	0	0		1.8						
31	5.2		0	0		2.7						
		8.0		116.0		501.3		0		0		0
	533		253.0		544.8		888.7		0		0	
MEAN	1.72	0.03	8.16	3.74	19.5	16.2	29.6	0	0	0	0	0
ACRE-FEET	106.	16.	502.	230.	1080.	994.	1760.	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 8.45
ACRE-FEET 4530

56D764M Cdb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

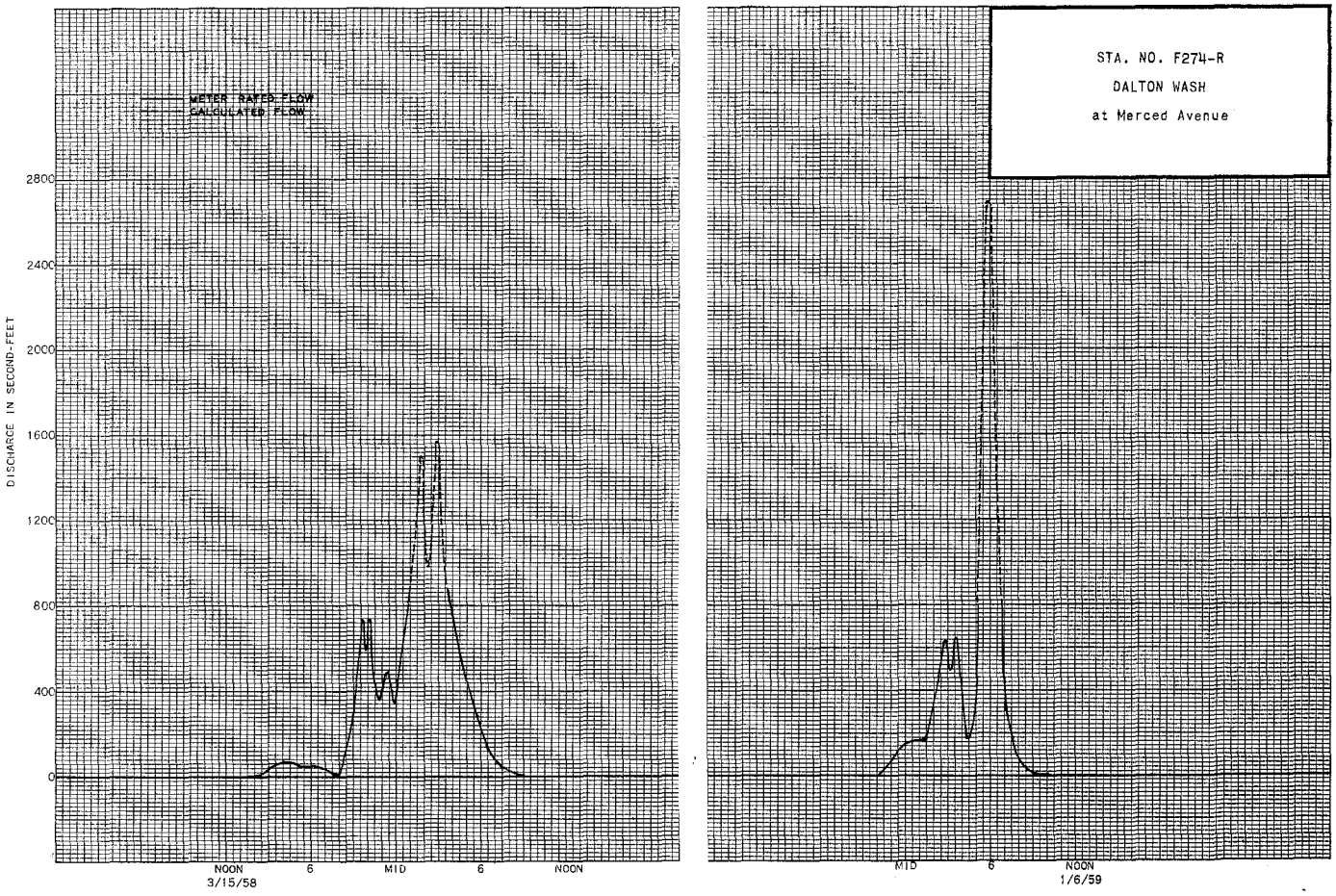
Sta. No. F274B-R

Daily discharge, in second-feet of DALTON WASH at Merced Avenue, for the year ending September 30, 1959

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1			+	0.4	0.6	0.2	2.0	0.4	2.0	2.4	0.9	3.8
2			0.1	0.4	1.0	0.2	4.6	0.3	1.4	1.9	0.6	2.2
3			0.1	0.9	0.6	0.4	5.3	0.3	1.6	0.5	2.5	2.0
4			0.1	6.0	0.4	0.4	5.3	0.3	1.8	1.0	2.5	0.6
5			2.1	8.5	0.7	0.3	8.9	0.9	2.0	1.2	3.7	1.0
6			0.3	20.8	0.4	0.2	4.9	0.4	1.8	1.8	1.6	2.0
7			0.3	0.6	0.6	0.2	3.1	0.6	2.0	1.6	0.4	2.2
8			0.3	1.1	20	0.3	2.2	0.3	2.2	1.6	0.6	2.2
9			0.3	2.4	1.6	0.7	2.4	1.0	2.0	1.5	0.5	2.2
10			0.3	1.8	3.7	2.9	4.6	1.2	2.0	1.2	2.4	1.8
11		RECORDER INSTALLED	0.2	2.2	125	0.4	6.0	0.8	4.4	1.4	2.2	1.0
12			0.2	2.2	10.9	0.4	7.4	0.4	5.6	1.2	1.6	1.0
13			0.2	2.4	0.8	0.4	6.7	0.3	4.6	1.2	1.6	1.6
14			0.2	2.2	0.4	0.4	6.7	0.2	4.6	0.5	1.0	2.2
15			0.2	3.2	1.3	0.3	6.0	0.4	1.8	0.2	1.6	3.8
16			0.2	4.6	168	0.4	6.0	1.0	1.8	0.2	2.3	3.1
17			0.3	3.8	1.3	1.6	6.0	1.8	2.4	0.2	1.6	2.2
18			0.3	3.8	0.3	1.6	4.5	2.2	1.6	0.3	1.6	3.1
19			0.4	3.1	0.6	1.8	0.4	3.1	1.6	1.4	1.6	2.2
20			0.4	3.8	1.2	1.2	3.8	2.2	1.8	0.8	1.8	3.1
21		0.1	0.8	3.8	14.3	1.2	1.4	1.6	1.8	1.4	2.2	3.8
22		+	1.5	3.1	1.8	3.1	0.2	0.4	1.8	1.0	2.2	2.4
23		0	5.3	2.4	1.2	3.1	0.1	0.4	1.8	0.3	3.1	2.2
24		+	3.8	3.8	0.4	2.2	0.1	1.0	1.8	0.3	2.7	1.0
25		|	3.8	4.6	0.4	1.8	14.8	1.8	1.8	0.8	1.2	1.6
26		|	1.4	3.1	0.3	1.8	24	2.4	1.2	2.0	1.4	2.0
27		|	0.4	2.4	0.3	1.6	0.4	2.4	0.8	1.6	1.1	2.2
28		|	0.4	4.7	0.4	1.6	0.3	2.2	1.0	1.4	0.3	1.8
29		+	0.4	2.2		2.2	0.3	1.4	2.4	1.8	1.3	1.8
30		0	0.6	1.8		2.2	0.4	1.8	2.2	1.2	1.9	2.2
31			0.3	0.6		2.2		2.0		0.6	1.6	
	0		25.2		358.5		138.8		65.6		51.6	
		0.1		293.9		37.5		35.5		34.5		64.7
MEAN	0	+	0.81	9.48	12.8	1.21	4.63	1.14	2.19	1.11	1.66	2.16
ACRE-FEET	0	0.2	50.	583.	711.	74.	275.	70.	130.	68.	102.	70.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 3.0
ACRE-FEET 2130.



STATION U14-R

BIG ROCK CREEK above Mouth of Canyon

LOCATION: WATER-STAGE RECORDER, LAT. 34°25'17", LONG. 117°50'19", IN NE 1-4 SEC. 20, T.4N., R. 9W.,ON LEFT BANK 0.1 MILE UPSTREAM FROM PUNCHBOWL CANYON AND 0.9 MILE SOUTH OF VALYERMO. ALTITUDE OF GAGE ABOUT 4050 FEET.

DRAINAGE AREA: 23.0 SQUARE MILES.

RECORDS AVAILABLE: JANUARY 1923 TO SEPTEMBER 1937, MAY 1938 TO SEPTEMBER 1959.

AVERAGE DISCHARGE: 35 YEARS (1923-37, 1938-59) 14.7 SECOND-FEET.

EXTREMES:

1957-58

MAXIMUM DISCHARGE 399 SECOND-FEET DECEMBER 15. (GAGE HEIGHT 4.05 FEET.)
MINIMUM 2.5 SECOND-FEET OCTOBER 9.

1958-59

MAXIMUM DISCHARGE 215 SECOND-FEET FEBRUARY 16. (GAGE HEIGHT 3.28 FEET.)
MINIMUM 2.5 SECOND-FEET SEPTEMBER 1-10, 19-24.

1923-59

MAXIMUM DISCHARGE 8300 SECOND-FEET MARCH 2, 1938, BY SLOPE-AREA METHOD.
MINIMUM 0.7 SECOND-FOOT NOVEMBER 5, 1951.

REMARKS: RECORDS FAIR. NO DIVERSIONS ABOVE STATION.

COOPERATION: RECORDS FURNISHED BY THE UNITED STATES GEOLOGICAL SURVEY, WATER RESOURCES BRANCH. FIFTY-EIGHT DISCHARGE MEASUREMENTS FURNISHED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

REVISIONS: THE FIGURES OF MAXIMUM DISCHARGE FOR SOME WATER YEARS HAVE BEEN REVISED, AS SHOWN IN THE FOLLOWING TABLE:

WATER YEAR	DATE	DISCHARGE (CFS)	ANNUAL DISCHARGE (ACRE-FEET)
1932	FEB. 8, 1932	800.	16,500
1937	FEB. 6, 1937	360.	21,710
1939	DEC. 18, 1938	450.	NO CHANGE

REVISIONS OF DAILY FLOWS ARE AVAILABLE AT THE U.S.G.S. OFFICE OR AT LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF BIG ROCK CREEK

AT ~~NEAR~~ above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 56

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1308	10/2		U.S.G.S.	5.4	2.15	1.31	1.83	2.82		.5 .6	12	0	
1309	10/2	1327 / 1334	WHISLER-WOOD	5.3	2.18	1.10	1.82	2.45		.5	8	0	FC59
1310	10/16		U.S.G.S.	5.4	2.24	1.25	1.84	2.79		.5 .6	18	0	
1311	10/30		"	5.2	2.31	1.16	1.83	2.67		.6	14	0	
1312	11/6	1135 / 1145	BOWMAN	5.5	2.29	1.19	1.82	2.72		.5	8	0	FC59
1313	11/13		U.S.G.S.	5.0	2.22	1.35	1.82	2.99		.6	11	0	
1314	11/20	1402 / 1410	ROY-WHISLER	9.6	2.74	0.98	1.84	2.68		.5	12	0	FC59
1315	11/27	1353 / 1406	ROY	9.2	3.15	1.09	1.83	3.44		.6	12	0	"
1316	12/4	1323 / 1333	WHISLER	10.1	3.54	1.16	1.91	4.11		.5 .6	13	0	"
1317	12/11	1305 / 1316	"	9.9	3.34	1.73	1.87	4.07		.5	12	0	"
1318	12/17		U.S.G.S.	20.0	24.8	5.32	3.18	132.		.6	17	-.02	
1319	12/26	1352 / 1402	WHISLER	16.0	9.00	1.39		12.5		.6	10	0	FC59
1320	1/3		U.S.G.S.	15.0	8.51	1.10	2.05	9.36		.6	23	0	
1321	1/8	1323 / 1333	WHISLER	16.0	8.75	0.94	2.02	8.15		.6	11	0	FC59
1322	1/15		U.S.G.S.	15.0	7.59	1.00	2.00	7.61		.6	27	0	
1323	1/22	1255 / 1307	WHISLER	15.0	7.67	0.81	1.98	6.22		.5 .6	16	0	FC59
1324	1/28		U.S.G.S.	15.5	9.53	1.44	2.15	13.7		.6	17	0	
1325	1/29	1205 / 1220	WHISLER	15.0	9.52	1.20	2.10	11.4		.6	13	0	FC59
1326	2/4		U.S.G.S.	22.0	37.6	6.97	3.55	262.		.6	12	0	
1327	2/4		"	35.0	39.4	6.65	3.55	262.		.6	17	0	
1328	2/7	0858 / 0915	WHISLER-BOWMAN	21.0	16.3	2.82	2.55	46.0		.5 .6	12	0	FC41
1329	2/12	0908 / 0918	" "	19.0	14.1	2.21	2.37	31.2		.5 .6	11	0	"
1330	2/21	0820 / 0936	WHISLER	21.5	19.1	3.22	2.64	61.6		.6	13	0	"
1331	2/24		U.S.G.S.	20.0	16.0	2.58	2.52	41.2		.6	21	-.01	
1332	2/26	0936 / 0953	WHISLER	20.5	16.7	2.93	2.53	48.9		.5 .6	13	0	FC41
1333	3/5	1054 / 1106	"	19.5	14.3	1.96	2.35	28.0		.6	12	0	"
1334	3/12		U.S.G.S.	19.0	3.16	8.08	2.32	25.6		.5 .6	20	.01	
1335	3/19	1143 / 1208	WHISLER	22.0	22.6	3.20	2.71	72.2		.6	22	0	FC41
1336	3/26		U.S.G.S.	20.0	8.98	6.17	2.62	55.2		.5 .6	21	0	
1337	3/28	1115 / 1135	WHISLER	20.0	19.2	2.70	2.57	52.0		.6	20	0	FC41
1338	4/4		U.S.G.S.	26.0	25.4	4.27	2.86	109.		.6	14	.01	
1339	4/10	0901 / 0917	WHISLER-STRINGER	20.0	20.4	3.35	2.63	68.3		.6	18	0	FC41
1340	4/11		U.S.G.S.	22.5	21.5	3.64	2.66	78.3		.6	16	0	
1341	4/16	1155 / 1215	WHISLER	22.0	25.3	3.69	2.75	93.3		.6	20	0	FC41
1342	4/23		U.S.G.S.	26.5	25.4	4.37	2.91	111.		.5 .6	25	.01	
1343	5/5		"	27.0	23.4	4.08	2.72	95.5		.5 .6	26	0	
1344	5/7	1228 / 1246	WHISLER	22.0	21.9	4.23	2.69	92.6		.6	22	0	FC41
1345	5/21		U.S.G.S.	22.0	21.7	3.91	2.67	84.9		.5 .6	23	0	
1346	5/28	1139 / 1158	WHISLER	21.0	18.2	3.97	2.55	72.1		.6	18	0	FC41
1347	6/4		U.S.G.S.	21.0	15.3	3.76	2.41	57.5		.5 .6	22	-.01	
1348	6/11	1144 / 1200	WHISLER	20.0	15.2	3.37	2.37	51.2		.6	17	0	FC41
1349	6/18		U.S.G.S.	21.0	14.7	2.95	2.27	43.4		.5 .6	22	0	
1350	6/18	1030 / 1050	WHISLER	20.0	14.1	3.05	2.27	43.0		.6	20	0	FC41
1351	6/26	1220 / 1245	BOWMAN	20.0	12.1	2.61	2.13	31.6		.5 .6	21	0	"
1352	7/2		U.S.G.S.	18.5	12.5	2.61	2.11	32.6		.5 .6	20	+.01	
1353	7/16		"	13.5	11.0	1.96	1.95	21.6		.6	28	0	
1354	7/23	1048 / 1106	WHISLER	18.0	10.4	1.86	1.95	19.3		.5 .6	18	0	FC59
1355	7/28		U.S.G.S.	13.0	11.0	1.89	1.95	20.8		.6	27	0	
1356	8/6	1015 / 1028	WHISLER	18.0	9.5	1.78	1.85	16.9		.5 .6	17	0	FC41
1357	8/13		U.S.G.S.	13.2	9.86	1.62	1.82	15.9		.5 .6	27	-.01	
1358	8/20	1044 / 1100	WHISLER	18.0	9.05	1.48	1.78	13.4		.5 .6	16	0	FC59
1359	8/26		U.S.G.S.	13.0	8.54	1.55	1.77	13.2		.6	27	0	
1360	9/3	1040 / 1052	WHISLER	17.0	8.25	1.43	1.72	11.8		.5 .6	16	0	FC59
1361	9/10		U.S.G.S.	10.2	5.81	1.82	1.68	10.6		.6	21	-.01	
1362	9/17	1025 / 1038	WHISLER	17.0	7.83	1.33	1.68	10.4		.5 .6	16	0	FC59
1363	9/24		U.S.G.S.	12.5	7.86	1.21	1.67	9.51		.6	26	0	

DISCHARGE MEASUREMENTS OF BIG ROCK CREEK

~~NEAR~~ above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 59

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1364	10/1	1048 / 1100	WHISLER	16.0	6.85	1.11	1.60	7.60		.5 / .6	16	0	FC59
1365	10/7		U.S.G.S.	14.0	6.31	1.41	1.61	8.87		.6	17	0	
1366	10/16	1038 / 1052	WHISLER	17.0	7.17	1.06	1.58	7.59		.5 / .6	16	0	FC59
1367	10/23		U.S.G.S.	15.0	6.24	1.32	1.60	8.24		.6	16	0	
1368	10/29	1050 / 1102	WHISLER	9.5	5.22	1.32	1.57	6.86		.6	11	0	FC59
1369	11/7		U.S.G.S.	13.0	6.58	0.99	1.54	6.49		.5 / .6	21	0	
1370	11/12	1300 / 1317	BOWMAN	15.5	7.11	0.96	1.58	6.79		.5	17	0	FC6
1371	11/24		U.S.G.S.	13.0	7.45	0.90	1.58	6.70		.6	20	0	
1372	11/25	1220 / 1240	BOWMAN	14.5	6.53	1.04	1.58	6.78		.5	16	0	FC6
1373	12/2		U.S.G.S.	12.0	5.42	1.37	1.58	7.43		.5 / .6	13	0	
1374	12/10	1222 / 1233	WHISLER	10.0	6.24	0.96	1.57	6.05		.6	11	0	FC59
1375	12/17		U.S.G.S.	13.0	5.93	1.18	1.56	7.00		.6	21	0	
1376	12/17	1215 / 1231	BOWMAN	8.0	4.50	1.06	1.55	4.81		.5	10	0	FC6
1377	12/30		U.S.G.S.	13.0	7.06	0.85	1.55	6.00		.6	20	-.01	
1378	1/2	1108 / 1116	WHISLER	10.0	6.37	0.86	1.52	5.46		.6	11	0	FC59
1379	1/14	1318 / 1324	"	9.5	5.18	1.19	1.55	6.18		.6	10	0	"
1380	1/15		U.S.G.S.	15.0	7.03	0.99	1.57	6.95		.6	22	0	
1381	1/21	1051 / 1100	WHISLER	9.5	5.77	1.14	1.58	6.55		.6	11	0	FC59
1382	1/28		U.S.G.S.	12.0	6.48	0.90	1.55	5.80		.6	18	0	
1383	2/4	1155 / 1203	WHISLER	9.5	5.48	1.02	1.54	5.66		.6	10	0	FC59
1384	2/9		U.S.G.S.	12.0	6.64	0.88	1.56	5.71		.6	21	0	
1385	2/12		"	14.5	6.94	1.38	1.67	9.60		.6	16	0	
1386	2/18	1040 / 1054	WHISLER	18.0	12.9	2.16	2.15	27.9		.6	17		FC41
1387	2/24		U.S.G.S.	16.5	6.73	1.36	1.90	11.8		.6	18	0	
1388	3/4	1205 / 1220	WHISLER	17.0	10.2	1.37	1.94	14.0		.6	17	0	FC59
1389	3/9		U.S.G.S.	17.0	9.42	1.43	1.93	13.4		.6	18	0	
1390	3/18	1053 / 1108	WHISLER	16.0	9.03	1.26	1.88	11.4		.5 / .6	17	0	FC59
1391	3/23		U.S.G.S.	17.5	8.76	1.29	1.87	11.3		.6	17	0	
1392	3/25	1140 / 1150	WHISLER	16.0	8.85	1.21	1.88	10.7		.6	16	0	FC59
1393	4/7		U.S.G.S.	12.0	9.91	1.33	1.92	13.1		.6	21	-.01	
1394	4/8	1048 / 1102	WHISLER	16.5	8.77	1.32	1.90	11.6		.5 / .6	16	0	FC59
1395	4/15	1120 / 1130	"	17.0	8.63	1.16	1.86	9.99		.6	15	0	"
1396	4/22		U.S.G.S.	11.9	8.97	1.07	1.83	9.60		.6	20	0	
1397	4/29	1123 / 1136	WHISLER	15.5	8.22	1.18	1.85	9.68		.6	16	0	FC59
1398	5/5		U.S.G.S.	15.0	7.40	1.21	1.83	8.97		.5 / .6	16	0	
1399	5/13	1219 / 1231	WHISLER	15.5	7.22	0.97	1.76	7.08		.5 / .6	15	0	FC59
1400	5/19		U.S.G.S.	14.5	6.24	0.89	1.73	5.58		.6	16	0	
1401	5/27	1055 / 1106	WHISLER	15.0	6.56	0.88	1.73	5.81		.5 / .6	15	0	FC59
1402	6/4		U.S.G.S.	14.0	5.72	0.83	1.70	4.73		.6	15	0	
1403	6/10	1230 / 1241	ROY-WHISLER	15.5	5.92	0.77	1.68	4.53		.5	16	0	FC59
1404	6/19		U.S.G.S.	6.5	3.79	1.20	1.67	4.55		.6	14	0	
1405	6/24	1116 / 1125	WHISLER	14.5	5.57	0.73	1.66	4.05		.5	14	0	FC59
1406	6/30		U.S.G.S.	6.0	4.26	0.94	1.68	4.00		.6	21	-.01	
1407	7/9	1140 / 1150	BOWMAN	14.0	4.74	0.70	1.66	3.30		.5	9	0	FC59
1408	7/21		U.S.G.S.	3.8	2.25	1.77	1.68	3.97		.6	14	0	
1409	7/22	1140 / 1148	WHISLER	3.8	2.20	1.69	1.68	3.73		.6	10	0	FC59
1410	8/3		U.S.G.S.	14.0	5.46	0.67	1.69	3.64		.6	15	0	
1411	8/5	1358 / 1405	WHISLER	4.0	2.08	1.65	1.66	3.43		.5 / .6	9	0	FC59
1412	8/18		U.S.G.S.	5.6	3.80	0.81	1.67	3.08		.6	20	0	
1413	9/2	1215 / 1230	ROY	14.2	4.42	0.54	1.65	2.41		.5 / .6	16	0	FC59
1414	9/10		U.S.G.S.	8.5	5.11	0.51	1.66	2.59		.6	18	0	
1415	9/16	1312 / 1322	WHISLER	8.4	5.29	0.49	1.67	2.57		.6	11	0	FC59
1416	9/21		U.S.G.S.	8.5	5.13	0.53	1.68	2.70		.6	18	0	
1417	9/30	1152 / 1200	WHISLER	8.2	5.14	0.50	1.66	2.58		.6	11	0	FC59

76D74M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U11-R

Daily discharge, in second-feet of BIG ROCK CREEK above Mouth of Canyon, for the year ending September 30, 1959

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.8	2.6	3.4	10	10	39	118	86	70	31	18	12
2	2.6	2.8	3.4	10	10	36	86	89	67	33	17	12
3	2.8	2.5	3.4	9.5	48	33	161	91	66	32	17	12
4	2.8	3.0	3.8	9.1	203	30	108	91	63	32	17	12
5	2.8	3.0	5.1	9.1	95	28	81	97	60	31	17	12
6	2.6	2.8	4.6	8.4	59	30	77	101	60	30	17	12
7	2.6	2.8	4.6	8.4	44	30	71	97	58	30	17	12
8	2.6	2.8	4.1	8.0	39	29	67	94	57	29	17	12
9	2.5	2.8	4.1	8.0	39	28	67	99	53	28	16	12
10	2.6	3.0	4.1	8.0	36	28	68	101	52	28	16	12
11	2.8	3.0	4.1	8.0	33	29	80	91	50	27	16	12
12	2.8	3.0	4.1	8.0	32	27	86	83	48	26	15	12
13	2.8	3.0	4.1	8.0	30	26	87	78	50	25	16	12
14	2.8	3.0	4.1	7.7	29	24	91	78	46	24	16	11
15	2.8	3.0	129	7.7	27	34	95	78	44	23	16	11
16	2.8	3.0	165	7.4	26	177	102	81	44	23	15	11
17	2.8	2.8	122	7.1	25	99	108	85	44	23	14	10
18	2.8	3.0	49	7.1	24	81	117	86	42	22	14	9.9
19	2.8	2.8	30	6.8	110	73	130	86	42	21	14	9.5
20	2.8	2.6	25	6.5	75	74	136	84	41	21	13	9.1
21	2.8	2.6	20	6.2	60	81	138	81	40	20	13	8.4
22	2.6	2.8	15	6.2	52	83	126	77	38	20	13	8.4
23	2.6	2.5	14	6.2	46	73	110	74	37	19	12	9.1
24	2.6	3.0	13	6.2	41	66	95	77	37	19	12	9.1
25	2.6	3.2	12	6.2	50	58	87	77	36	18	12	8.8
26	2.6	3.4	12	22	48	55	87	77	34	18	12	9.1
27	2.6	3.4	12	17	45	58	86	78	32	17	12	8.4
28	2.6	3.4	11	12	42	54	86	75	32	17	12	8.4
29	2.6	3.4	11	11		52	83	73	31	18	12	8.4
30	2.6	3.4	11	11		50	83	71	31	18	12	8.0
31	2.6		10	11		47		70		17	12	
	83.7		718.0		1378.0		2917.0		1405.0		452.0	
		89.0		277.8		1632.0		2606.0		740.0		313.6
MEAN	2.70	2.97	23.2	8.96	49.2	52.6	97.2	84.1	46.8	23.9	14.6	10.5
ACRE-FEET	166.	177.	1420.	551.	2730.	3240.	5790.	5170.	2790.	1470.	897.	622.

Remarks:

YEAR OR PERIOD MEAN 34.6
ACRE-FEET 25,020.

FDDT4M Qlb 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U14-R

Daily discharge, in second-feet of BIG ROCK CREEK above Mouth of Canyon, for the year ending September 30, 19 59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	8.1	7.1	6.8	5.6	5.9	12	11	8.1	5.1	4.1	3.4	2.5
2	8.1	7.1	6.8	5.3	5.9	13	11	8.1	5.1	4.1	3.4	2.5
3	8.4	7.1	7.1	5.3	5.9	13	12	8.4	5.1	3.9	3.4	2.5
4	8.4	7.1	6.8	5.3	5.9	14	12	8.4	4.8	3.9	3.4	2.5
5	8.4	7.1	6.8	6.6	5.6	14	12	8.4	4.8	3.9	3.6	2.5
6	8.7	7.1	6.8	14	5.6	13	12	8.1	4.8	3.6	3.6	2.5
7	9.1	7.1	6.8	7.4	5.3	13	12	8.1	4.8	3.6	3.9	2.5
8	9.1	6.8	6.8	7.1	5.3	13	12	7.8	4.8	3.4	3.9	2.5
9	9.1	6.8	6.5	7.1	5.3	13	11	7.8	4.8	3.4	3.6	2.5
10	8.7	7.1	6.5	7.1	5.6	13	11	7.8	4.8	3.4	3.6	2.5
11	8.7	7.8	6.5	6.8	16	13	11	7.8	4.8	3.4	3.4	2.7
12	8.7	7.1	6.2	6.8	9.5	13	11	7.4	4.8	3.4	3.1	2.8
13	8.4	6.8	6.2	6.8	7.8	12	11	7.4	4.8	3.4	3.1	2.8
14	8.4	6.8	6.2	6.8	7.4	12	11	7.4	4.8	3.6	3.1	2.7
15	8.4	7.1	6.2	6.8	7.8	12	10	7.4	4.8	3.6	3.1	2.7
16	8.1	7.1	6.2	6.5	8.8	12	10	7.1	4.8	3.6	3.1	2.7
17	8.1	7.1	6.2	6.5	6.7	12	10	6.8	4.8	3.6	3.1	2.7
18	7.8	7.1	6.2	6.5	2.8	12	10	6.5	4.8	3.9	3.1	2.7
19	7.8	7.1	5.9	6.2	2.0	12	9.9	6.2	4.6	3.9	3.1	2.5
20	8.1	6.8	5.9	6.2	1.6	12	9.5	5.9	4.6	3.9	3.1	2.5
21	8.1	6.8	5.9	6.2	1.6	12	9.1	5.9	4.6	3.9	3.1	2.5
22	8.1	6.8	5.9	6.2	1.4	12	8.7	5.9	4.6	3.9	3.0	2.5
23	8.4	6.8	5.9	5.9	1.3	12	8.4	5.9	4.6	3.9	3.0	2.5
24	8.4	6.8	5.9	5.9	1.2	12	8.4	5.9	4.6	3.9	3.0	2.5
25	8.1	6.8	5.9	5.9	1.2	11	8.7	5.9	4.6	3.9	2.8	2.7
26	7.8	6.8	5.9	5.9	1.2	11	11	5.6	4.4	3.9	2.8	2.7
27	7.4	6.8	5.9	5.9	1.2	11	9.9	5.6	4.4	3.6	2.8	2.8
28	7.1	6.8	5.9	5.9	1.2	11	8.7	5.6	4.1	3.6	2.8	2.8
29	6.8	6.8	5.9	5.9		11	8.1	5.3	4.1	3.6	2.7	2.7
30	6.8	6.8	5.6	5.9		11	7.8	5.3	4.1	3.6	2.7	2.7
31	6.8		5.6	5.9		11		5.3		3.6	2.7	
	252.4	209.2	193.7	202.2	426.8	378	308.2	213.1	140.6	115.0	98.5	78.2
MEAN	8.14	6.97	6.25	6.52	15.2	12.2	10.3	6.87	4.69	3.71	3.18	2.61
ACRE-FEET	501.	415.	384.	401.	847.	750.	611.	423.	279.	228.	195.	155.

Remarks:

YEAR OR PERIOD MEAN 7.17
ACRE-FEET 5190.

STATION F111C-R
BIG TUJUNGA CREEK below Mill Creek

LOCATION: WATER-STAGE RECORDER, LAT. 34°18'33", LONG. 118°08'40", ON LEFT (EAST) BANK ABOUT 500 FEET BELOW JUNCTION WITH MILL CREEK. ELEVATION OF GAGE ABOUT 2650 FEET. FORMER STATIONS F111-R AND F111B-R WERE LOCATED ABOUT 1.3 MILES DOWNSTREAM.

DRAINAGE AREA: 64.9 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - GRAVEL AND BOULDERS. BED ROCK CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM CABLE CAR AT STATION.

RECORDER: A STEVENS A-35 RECORDER WAS IN SERVICE FROM OCTOBER 1, 1957 TO SEPTEMBER 30, 1959.

REGULATIONS: NONE.

DIVERSIONS: NONE.

RECORDS AVAILABLE:
AT STATION F111-R - NOVEMBER 30, 1930 TO AUGUST 17, 1932.
AT STATION F111B-R - SEPTEMBER 15, 1932 TO MAY 18, 1950.
AT STATION F111C-R - JANUARY 16, 1948 TO SEPTEMBER 30, 1959.

EXTREMES OF DISCHARGE:
1957-58
MAXIMUM 1770 SECOND-FEET APRIL 3.
MINIMUM NO FLOW OCTOBER 1 AND 2.
1958-59
MAXIMUM 421 SECOND-FEET FEBRUARY 16.
MINIMUM NO FLOW PART OF YEAR
1930-59 (STATIONS F111-R, F111B-R AND F111C-R).
MAXIMUM DISCHARGE NOT DETERMINED MARCH 2, 1938.
MAXIMUM DISCHARGE OF RECORD 14800 SECOND-FEET JANUARY 23, 1943.
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: GOOD.

REVISIONS: THE MAXIMUM DISCHARGE FOR THE WATER YEAR 1931-32 HAS BEEN REVISED TO 2550. SECOND-FEET ON FEBRUARY 8, 1932. THE MAXIMUM FOR THE WATER YEAR 1939-40 HAS BEEN DETERMINED TO BE 1890. SECOND-FEET ON JANUARY 8, 1940.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT IN COOPERATION WITH THE U.S.G.S. WATER RESOURCES BRANCH.

DISCHARGE MEASUREMENTS OF BIG TUJUNGA CREEK

~~AT~~ NEAR below Mill Creek DURING THE YEAR ENDING SEPTEMBER 30, 1956

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
571	10/17	0824 / 0926	HYDE	1.0	0.05	0.60	4.33	0.03		.5	3	0	FC60
572	10/24	1007 / 1014	"	3.0	0.59	0.39	4.39	0.23		.5	5	0	"
573	10/31	1150 / 1158	"	4.0	0.86	0.52	4.43	0.45		.5	7	0	"
574	11/5	1045 / 1050	"	4.0	0.97	0.61	4.47	0.59		.5	6	0	FC44
575	11/7	1005 / 1010	"	4.0	0.92	0.37	4.45	0.40		.5	6	0	FC60
576	11/14	0942 / 0948	"	4.0	0.90	0.37	4.45	0.33		.5	6	0	"
577	11/21	0935 / 0942	"	3.5	0.97	0.40	4.47	0.39		.6	7	0	"
578	11/27	1128 / 1138	"	3.5	1.05	0.44	4.42	0.46		.6	8	0	"
579	12/5	1102 / 1114	"	7.0	2.88	0.90	4.65	2.6		.6	9	0	FC44
580	12/12	1006 / 1012	"	4.1	1.04	0.56	4.44	0.58		.6	6	0	FC60
581	12/15	2152 / 2225	BOWMAN - BELL	47.0	93.8	2.43	7.50	228.		.6	6	+.22	FC44
582	12/15	2238 / 2247	" "	52.0	111.	2.70	7.57	300.		.6	7	-.02	"
583	12/16	1240 / 1137	" "	33.0	42.8	2.21	6.56	94.5		.6	16	-.02	"
584	12/16	1240 / 1258	" "	33.0	39.4	2.09	6.45	82.5		.6	16	-.03	"
585	12/17	0940 / 0954	" "	37.0	46.1	2.09	6.55	96.3		.6	14	-.03	"
586	12/17	1041 / 1050	" "	34.0	38.6	2.17	6.45	83.8		.6	12	-.02	"
587	12/19	0813 / 0826	HYDE	8.0	5.47	2.32	5.01	12.7		.6	10	0	"
588	12/27	0915 / 0928	"	6.4	2.45	1.39	4.65	3.4		.6	8	0	"
589	1/2	0915 / 0925	"	6.3	1.97	1.06	4.60	2.1		.5	8	0	"
590	1/9	1015 / 1025	"	5.0	1.75	1.14	4.58	2.0		.6	8	0	FC60
591	1/16	0824 / 0934	"	4.0	0.98	1.84	4.58	1.8		.6	7	0	"
592	1/23	0935 / 0943	"	4.0	0.96	1.77	4.56	1.7		.6	6	0	"
593	1/26	0410 / 0415	BOWMAN - BUCK	12.0	8.90	2.85	5.40	25.5		.6	7	+.08	FC44
594	1/26	0537 / 0557	" "	30.0	32.8	1.90	6.20	62.4	.5 .6		19	0	"
595	1/29	1432 / 1446	TWITTY - BOWMAN	7.0	2.76	1.97	4.77	5.4		.5	8	0	"
596	1/30	0855 / 0910	HYDE	7.5	3.02	1.76	4.76	5.3		.6	10	0	"
597	2/3	0415 / 0430	BOWMAN - BUCK	11.0	6.57	3.29	5.08	21.6	.5 .6		7	0	"
598	2/3	0502 / 0506	" "	12.0	8.87	2.73	5.30	24.2	.5 .6		8	+.04	"
599	2/3	0510 / 0527	" "	CHANNELS			5.42	30.1	.5 .6		13	+.16	"
600	2/3	0730 / 0746	" "	47.0	93.1	3.60	7.42	335.		.6	10	-.05	"
601	2/3	0825 / 0846	" "	47.0	86.7	3.74	7.40	324.		.6	18	-.02 +.01	"
602	2/3	0853 / 0908	" "	47.0	85.3	4.03	7.40	344.		.6	10	-.01	"
603	2/3	1045 / 1113	" "	47.0	75.0	3.77	7.30	283.		.6	23	-.01 +.01	"
604	2/3	1316 / 1342	" "	46.0	69.8	2.79	7.06	194.		.6	24	-.03	"
605	2/3	1349 / 1415	" "	45.0	67.8	2.65	7.02	180.		.6	24	-.03	"
606	2/4	0410 / 0425	" "	51.0	81.9	4.50	7.44	368.		.6	11	-.02	"
607	2/4	0507 / 0529	" "	51.0	94.5	4.34	7.52	409.		.6	18	+.01	"
608	2/4	0543 / 0603	" "	51.0	95.7	4.21	7.59	403.		.6	18	+.10	"
609	2/4	0610 / 0630	" "	51.0	101.	4.48	7.65	453.		.6	18	+.03	"
610	2/4	0640 / 0651	" "	51.0	101.	4.40	7.72	444.		.6	18	+.05	"
611	2/4	0736 / 0752	" "	53.0	123.	5.92	8.07	728.		.6	12	+.12	"
612	2/4	0952 / 1034	" "	58.0	142.	6.50	8.49	919.		.6	26	+.13	"
613	2/5	1119 / 1146	" "	42.0	48.4	3.30	6.66	160.		.6	22	-.01	"
614	2/13	1142 / 1208	TWITTY - HYDE	11.0	6.45	2.66	5.08	17.1		.6	13	-.03	"
615	2/19	1009 / 1032	BOWMAN - OCAMPO	CHANNELS			6.52	123.		.6	15	+.14	"
616	2/19	1209 / 1226	" "	51.0	84.1	5.91	7.44	497.		.6	14	+.16	"
617	2/19	1237 / 1300	BOWMAN - OCAMPO	53.0	101.	7.18	7.70	725.		.6	16	+.19	FC44
618	2/19	1310 / 1325	" "	53.0	110.	7.00	7.90	770.		.6	15	+.19	"
619	2/19	1332 / 1344	" "	54.0	117.	7.32	8.02	857.		.6	14	+.06	FC44
620	2/19	1359 / 1412	" "	54.0	123.	7.50	8.10	923.		.6	13	-.04	"
621	2/20	1055 / 1124	BOWMAN	35.0	37.4	2.56	6.31	95.7		.5 .6	17	-.01	"
622	2/25	0724 / 0743	BOWMAN - OCAMPO	32.5	27.1	2.20	5.95	59.3		.6	17	+.08	"
623	2/25	1133 / 1149	" "	35.0	34.7	2.85	6.26	98.8		.5 .6	14	-.02	"
624	2/25	1320 / 1340	" "	35.0	29.8	2.57	6.14	76.6		.5 .6	17	-.02	"
625	2/27	0952 / 1012	HYDE	13.5	13.7	2.61	5.45	35.8		.6	13	0	"
626	3/6	0958 / 1010	MOSES - HYDE	9.8	7.82	2.84	5.17	22.2		.6	9	0	"
627	3/13	0928 / 0944	HYDE	10.1	8.86	2.66	5.18	23.5		.6	12	0	"
628	3/16	0915 / 0938	BOWMAN - PROVENCIO	50.0	90.3	5.45	7.50	493.		.6	16	-.04	"
629	3/17	1134 / 1203	BOWMAN	38.0	50.9	2.82	6.52	143.		.6	18	-.01	"
630	3/20	0932 / 0952	HYDE	33.0	28.5	2.12	5.95	60.4		.6	19	0	"
631	3/21	1014 / 1028	BOWMAN - OCAMPO	31.8	33.2	2.53	6.18	83.9		.6	14	-.01	"
632	3/27	1505 / 1520	" "	33.0	34.7	2.58	6.22	89.5		.6	14	0	"
633	4/1	0950 / 1011	" "	45.0	67.2	4.63	7.11	311.		.6	16	+.08	"
634	4/2	1257 / 1323	" "	47.0	74.3	3.29	6.90	238.		.6	23	0	FC6
635	4/3	1007 / 1032	" "	61.0	219.	7.53	9.35	1650.		.6	14	-.21	"
636	4/3	1124 / 1149	" "	60.0	186.	7.04	8.75	1310.		.6	14	-.19	"
637	4/3	1213 / 1233	" "	59.0	172.	6.89	8.43	1170.		.6	14	-.10	"
638	4/4	1246 / 1305	" "	52.0	87.9	4.14	7.08	364.		.6	12	0	"
639	4/5	0940 / 1010	" "	47.0	62.9	3.93	6.75	247.		.6	19	0	"
640	4/10	0952 / 1020	HYDE	40.0	59.0	3.17	6.51	187.		.6	13	0	"
641	4/16	0956 / 1020	"	36.0	39.7	2.13	6.05	84.6		.6	18	0	"
642	4/24	0930 / 0950	"	27.5	24.5	1.86	5.68	45.6		.6	27	0	"
643	5/1	0920 / 0940	"	28.0	23.8	1.52	5.64	36.2		.6	15	0	"
644	5/7	1405 / 1425	BOWMAN	26.0	16.0	1.48	5.44	23.7		.5	16	0	"
645	5/15	0912 / 0935	HYDE	25.5	14.4	1.53	5.34	22.0		.6	16	0	FC44
646	5/22	0912 / 0936	"	26.0	11.6	1.41	5.20	16.4		.6	17	0	"
647	5/29	1607 / 1622	"	14.0	7.76	1.52	5.04	11.8		.6	11	0	FC40
648	6/5	1125 / 1135	BOWMAN	14.8	8.68	1.22	5.05	10.6		.5 .6	10	-.01	FC44
649	6/12	0844 / 0900	HYDE	CHANNELS			5.04	10.4		.6	16	0	"
650	6/19	0840 / 0858	"	14.5	9.83	0.72	4.92	7.1		.6	14	0	FC60
651	6/22	0948 / 1004	"	14.0	9.38	0.60	4.82	5.6		.6	13	0	"
652	7/3	0920 / 0934	"	13.0	8.52	0.56	4.80	4.8		.6	11	0	"
653	7/10	0848 / 0900	"	13.0	7.75	0.39	4.70	3.0		.6	9	0	"
654	7/17	0900 / 0912	"	12.0	7.41	0.34	4.69	2.5		.6	9	0	"
655	7/24	0845 / 0855	HYDE - BURKE	3.7	1.39	1.94	4.67	2.7		.6	7	0	"
656	7/31	0904 / 0914	HYDE	3.5	1.29	1.39	4.64	1.8		.6	7	0	FC44
657	8/7	1328 / 1336	"	3.5	1.09	1.01	4.61	1.2		.6	7	0	FC60
658	8/14	0830 / 0840	"	3.5	1.10	1.27	4.61	1.4		.6	7	0	"
659	8/21	1230 / 1238	"	3.5	0.94	1.01	4.59	0.95		.5	6	0	"
660	8/28	0854 / 0903	"	3.0	1.03	1.07	4.60	1.1		.6	6	0	"
661	9/4	0920 / 0830	BOWMAN	3.5	0.55	1.27	4.58	0.70		.5	8	0	"
662	9/11	0932 / 0940	HYDE	3.0	0.46	1.63	4.58	0.75		.5	6	0	"
663	9/19	0917 / 0924	"	3.0	0.46	1.48	4.58	0.68		.5	6	0	"
664	9/25	0855 / 0902	"	3.6	0.56	1.79	4.59	1.0		.5	6	0	"

DISCHARGE MEASUREMENTS OF BIG TUJUNGA CREEK

NEAR below Mill Creek DURING THE YEAR ENDING SEPTEMBER 30, 19 59

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
665	10/2	0848 / 0856	HYDE	3.5	0.50	1.40	4.58	0.70		.5	6	0	FC60
666	10/9	0850 / 0855	"	3.6	0.57	1.93	4.60	1.1		.5	6	0	"
667	10/16	1028 / 1033	"	3.5	0.56	1.59	4.59	0.89		.5	6	0	"
668	10/23	1233 / 1240	"	3.0	0.57	2.10	4.62	1.2		.5	5	0	"
669	10/30	0846 / 0854	"	3.7	0.62	1.23	4.60	0.76		.5	6	0	FC58
670	11/6	0945 / 0952	"	3.7	0.62	1.78	4.60	1.1		.5	6	0	FC60
671	11/13	0845 / 0855	"	4.0	0.71	2.25	4.62	1.6		.5	7	0	"
672	11/20	0836 / 0845	"	4.0	0.78	1.54	4.64	1.2		.5	7	0	FC40
673	11/26	0840 / 0846	"	4.0	0.89	1.46	4.65	1.3		.5	6	0	"
674	12/4	0852 / 0910	"	4.0	0.83	1.56	4.65	1.3		.5	7	0	"
675	12/11	0830 / 0836	"	4.0	0.87	1.61	4.66	1.4		.5	6	0	FC58
676	12/18	0900 / 0907	HYDE-WALTER	4.0	0.96	1.56	4.65	1.5		.5	6	0	FC40
677	12/26	0835 / 0845	HYDE	4.0	0.93	1.72	4.65	1.6		.5	6	0	"
678	1/2	0840 / 0850	"	4.0	1.00	1.70	4.65	1.7		.5	6	0	"
679	1/8	0858 / 0908	"	9.5	3.66	1.58	4.81	5.8		.6	9	0	"
680	1/15	1100 / 1115	BOWMAN	5.0	2.62	1.07	4.72	2.8		.5	8	0	FC6
681	1/22	1050 / 1102	HYDE	4.8	2.81	1.03	4.70	2.9		.6	7	0	FC40
682	1/29	0827 / 0837	"	5.8	3.09	1.04	4.70	3.2		.6	8	0	"
683	2/5	0815 / 0828	"	6.0	3.23	0.93	4.70	3.0		.6	7	0	"
684	2/11	0804 / 0826	BOWMAN	40.0	65.2	2.53	6.96	165.		.5 .6	16	+.07	FC6
685	2/13	1015 / 1030	HYDE	13.5	7.74	1.86	5.19	14.4		.6	12	0	FC40
686	2/16	1321 / 1343	BOWMAN-FROMBERG	35.0	63.0	2.74	6.95	173.		.6	14	+.14	FC6
687	2/16	1544 / 1612	" "	50.0	95.6	3.60	7.47	344.		.5 .6	14	+.05	"
688	2/17	1255 / 1310	BOWMAN	31.0	25.3	2.31	6.09	58.4		.5 .6	13	-.01	"
689	2/19	0900 / 0924	HYDE	15.0	11.4	2.13	5.41	24.3		.6	16	0	FC40
690	2/26	0832 / 0848	"	9.5	5.70	2.10	5.08	12.0		.6	11	0	"
691	3/5	0848 / 0900	"	6.4	4.44	1.84	4.92	8.2		.6	9	0	"
692	3/12	0820 / 0834	"	6.0	3.43	1.54	4.83	5.3		.6	9	0	"
693	3/19	0832 / 0842	"	6.0	3.10	1.64	4.82	5.1		.6	8	0	"
694	3/26	0848 / 0857	"	6.0	2.77	1.62	4.78	4.5		.6	7	0	"
695	4/2	0848 / 0858	"	5.8	2.78	1.51	4.77	4.2		.6	8	0	"
696	4/9	1136 / 1145	"	5.5	2.57	1.40	4.74	3.6		.6	8	0	"
697	4/16	1048 / 1056	"	4.4	2.32	1.51	4.75	3.5		.6	7	0	"
698	4/23	1008 / 1018	"	4.4	2.03	1.33	4.73	2.7		.6	8	0	"
699	4/30	0843 / 0851	"	4.4	2.03	1.33	4.72	2.7		.6	8	0	"
700	5/7	0838 / 0848	"	4.4	2.01	1.24	4.71	2.5		.6	8	0	"
701	5/14	1300 / 1310	"	4.4	1.80	1.00	4.67	1.8		.6	7	0	"
702	5/21	0845 / 0855	"	4.0	1.35	1.33	4.68	1.8		.6	7	0	"
703	5/28	0845 / 0857	"	4.0	1.34	1.49	4.70	2.0		.6	7	0	"
704	6/4	0835 / 0845	"	3.2	1.02	1.37	4.64	1.4		.5	6	0	"
705	6/11	0846 / 0856	"	3.2	0.79	1.14	4.59	0.90		.5	6	0	"
706	6/18	0844 / 0849	"	2.4	0.42	0.67	4.52	0.28		.5	5	0	FC60
707	6/25	0846 / 0851	"	1.8	0.22	0.86	4.48	0.19		.5	5	0	"
708	7/2	1225 / 1229	"	1.4	0.14	0.79	4.47	0.11		.5	4	0	"
709	7/9	0845 / 0847	"	0.80	0.04	0.50	4.38	0.02		.5	3	0	"
710	9/24	1356 / 1402	"	1.4	0.14	0.86		0.12		.5	5	0	"

74D74M C&b 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F111C-R

Daily discharge, in second-feet of BIG TUJUNGA CREEK below Mill Creek, for the year ending September 30, 19 56

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0.4	0.4	2.3	4.5	26	493	35	12	b 5.1	1.5	0.7
2	0	0.8	0.4	2.0	4.5	24	236	31	12	b 4.9	1.4	0.7
3	+	2.2	0.4	2.0	147	22	844	28	11	b 4.8	1.4	0.7
4	|	1.0	0.6	2.0	599	21	392	25	11	3.8	1.2	0.6
5	|	0.7	3.5	1.9	176	19	254	24	9.1	3.7	1.2	0.6
6	|	0.6	1.1	2.0	82	25	216	24	8.8	3.4	1.1	0.6
7	|	0.4	0.7	2.0	47	25	230	24	8.8	3.0	1.0	0.6
8	|	0.4	0.6	2.0	35	26	213	23	8.8	2.7	1.0	0.6
9	|	0.4	0.6	2.0	28	26	204	22	8.8	2.6	1.1	0.6
10	+	0.3	0.6	2.3	25	26	192	22	9.1	2.4	1.1	0.6
11	0.2	0.3	0.6	2.0	24	29	170	24	9.1	2.4	1.1	0.6
12	+	0.3	0.6	1.9	b 20	26	145	22	9.1	2.1	1.1	0.6
13	+	0.3	0.6	1.8	17	25	124	22	8.6	2.1	1.2	0.6
14	0.2	0.3	0.6	1.8	15	28	105	21	7.8	2.0	1.2	0.6
15	+	0.3	4.9	1.8	15	71	91	20	7.0	2.1	1.3	0.6
16	|	0.3	106	1.8	14	410	80	18	7.0	2.1	1.4	0.6
17	|	0.3	64	1.7	13	149	74	18	6.8	2.0	1.1	0.6
18	|	0.3	17	1.7	13	98	69	17	6.6	2.2	1.0	0.6
19	+	0.3	12	1.7	299	72	63	16	6.6	2.2	0.9	0.6
20	0.1	0.3	8.6	1.7	107	70	57	16	6.3	2.2	0.9	0.6
21	0.4	0.4	6.7	1.7	41	90	52	15	6.3	2.4	0.9	0.6
22	0.3	0.4	5.3	1.7	24	152	48	15	6.1	2.4	0.9	0.7
23	0.2	0.4	4.5	1.7	16	94	46	15	6.1	2.4	0.9	0.8
24	0.2	0.4	3.9	1.7	13	70	44	15	6.3	2.2	0.9	0.9
25	0.2	0.4	3.6	2.4	58	55	42	13	6.3	2.1	0.9	0.9
26	0.2	0.4	3.5	30	42	43	40	13	b 6.1	2.0	0.9	0.8
27	0.2	0.4	3.4	10	33	66	39	13	5.9	2.0	0.9	0.7
28	0.2	0.4	3.1	6.5	30	61	39	13	5.7	1.8	0.9	0.7
29	0.2	0.4	2.8	5.5		56	36	13	5.5	1.8	0.9	0.7
30	0.2	0.4	2.7	5.0		50	36	13	b 5.3	1.7	0.9	0.7
31	0.4		2.5	4.8		47		12		1.6	0.8	
		14.2		109.4	2002.0		6020			80.2		19.8
	3.2		309.9		1942.0		4726.0		233.9		33.0	
MEAN	0.10	0.47	10.0	3.53	69.4	64.6	15.8	19.4	7.80	2.59	1.06	0.66
ACRE-FEET	6.3	28.	615.	217.	3850.	3970.	9370.	1190.	464.	159.	65.	39.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 27.6
ACRE-FEET 19,970.

7SD74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

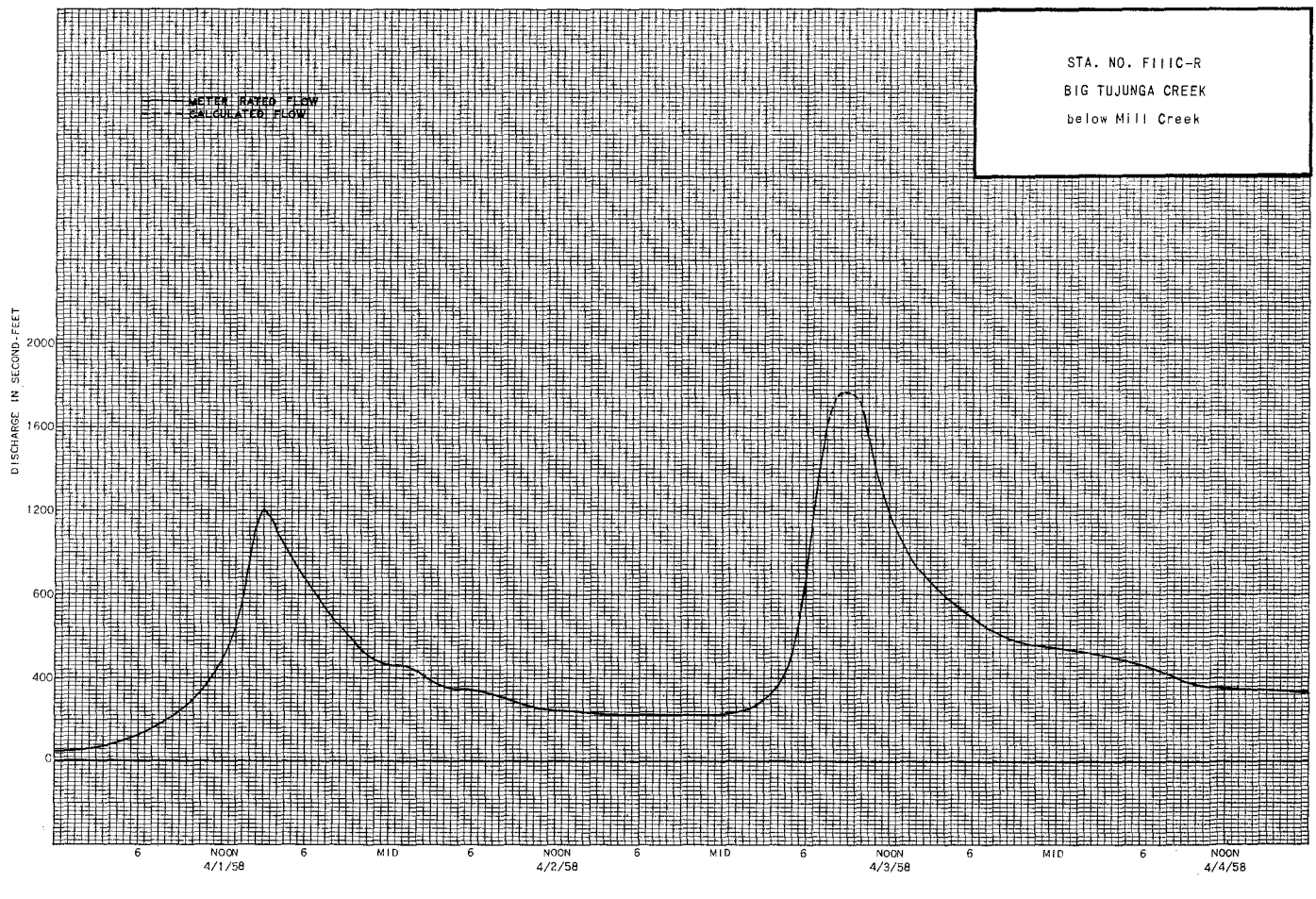
Sta. No. F111C-R

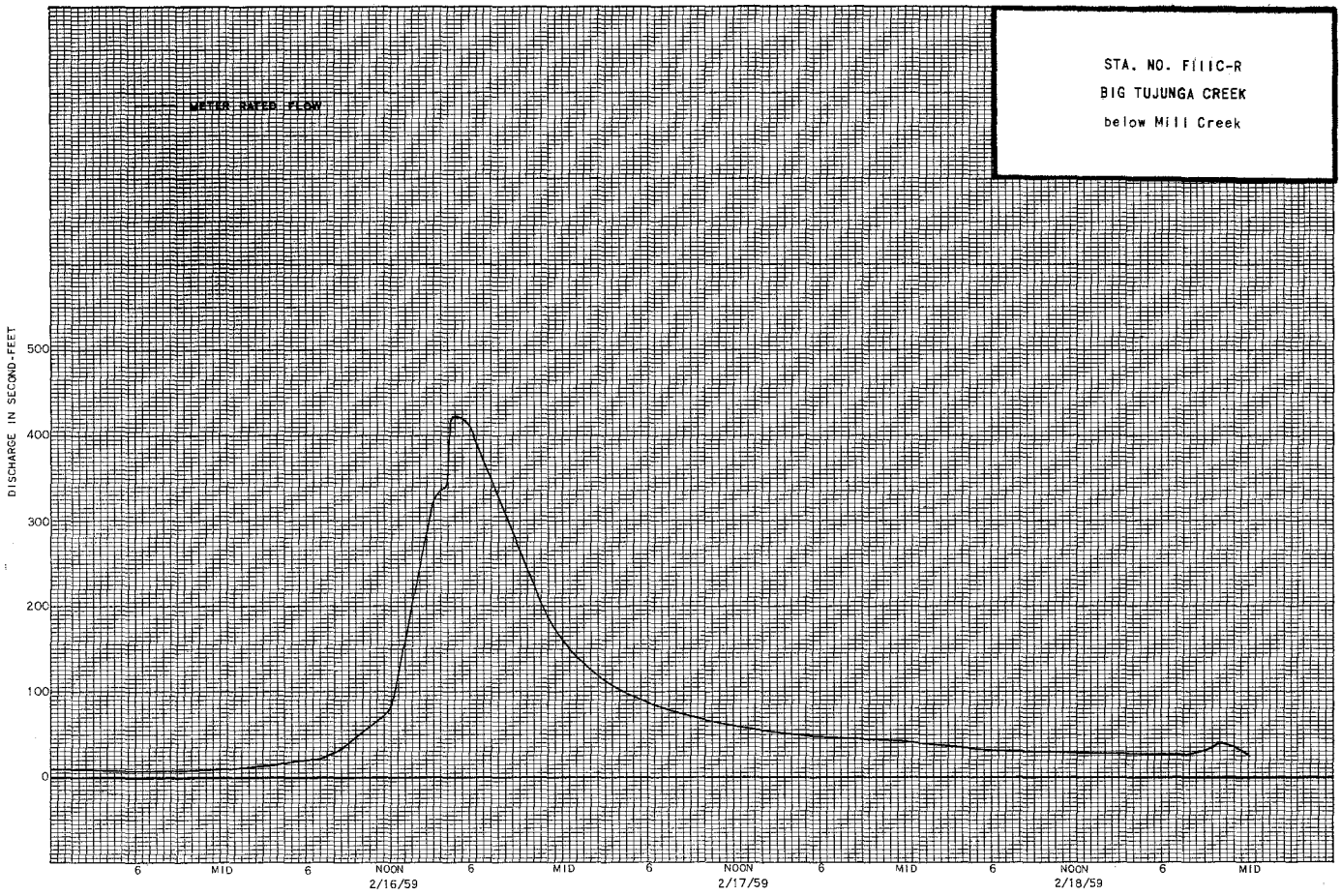
Daily discharge, in second-feet of BIG TUJUNGA CREEK below Mill Creek, for the year ending September 30, 1959

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.7	0.8	1.4	1.7	3.1	10	4.0	2.7	1.3	0.1	0	0
2	0.6	0.8	1.3	1.7	2.8	10	4.0	2.8	1.2	0.1	0	0
3	0.6	0.9	1.3	1.7	2.8	9.7	3.8	2.6	1.2	0.1	0	0
4	0.6	0.9	1.3	1.6	2.8	8.8	3.8	2.5	1.1	+	0	0
5	0.7	1.0	1.3	1.8	3.0	8.3	3.8	2.4	0.9	0.1	0	0
6	0.8	1.0	1.4	66	3.0	7.6	3.7	2.2	0.8	+	0	0
7	0.9	1.0	1.4	8.0	3.1	7.0	3.7	2.0	0.8	|	0	0
8	0.9	1.2	1.4	5.5	4.9	6.8	3.6	2.0	0.8	|	0	0
9	0.9	1.2	1.4	4.3	3.8	6.3	3.4	2.0	0.8	|	0	0
10	0.9	1.4	1.4	3.8	3.8	5.9	3.2	2.0	0.7	+	0	0
11	0.9	1.6	1.4	3.4	67	5.5	3.2	1.9	0.6	0	0	0
12	0.9	1.6	1.4	3.1	21	5.3	3.2	1.7	0.4	0	0	+
13	0.8	1.6	1.4	2.8	14	5.3	3.2	1.7	0.3	0	0	6.8
14	0.8	1.6	1.4	2.8	11	5.3	3.1	1.7	0.3	0	0	1.7
15	0.8	1.5	1.4	2.8	9.7	5.1	3.2	1.7	0.2	0	0	0.4
16	0.8	1.5	1.5	2.8	154	4.9	3.2	1.6	0.2	0	0	b 0.1
17	0.8	1.4	1.5	2.8	72	4.9	3.6	1.7	0.2	0	b	0.1
18	0.8	1.3	1.5	3.0	31	4.9	3.4	1.7	0.2	0	0	b 0.2
19	0.8	1.3	1.5	3.0	23	4.7	3.4	1.7	0.2	0	+	0.2
20	0.9	1.2	1.5	3.0	18	4.3	3.1	1.6	0.1	0	|	0.2
21	0.9	1.3	1.5	3.0	21	4.3	2.8	1.7	0.1	0	|	0.1
22	0.9	1.3	1.6	3.0	17	4.3	2.7	1.7	0.1	0	|	0.1
23	1.1	1.3	1.6	3.0	16	4.5	2.7	1.9	+	0	|	0.1
24	1.2	1.3	1.6	3.0	15	4.5	2.7	1.9	|	0	|	0.1
25	1.2	1.3	1.6	3.0	13	4.5	3.4	1.9	|	0	|	0.1
26	1.1	1.3	1.6	3.0	12	4.5	4.5	1.8	|	0	|	0.1
27	0.9	1.4	a 1.6	3.1	11	4.5	3.4	1.7	+	0	|	0.1
28	0.7	1.5	1.6	3.1	11	4.5	2.8	1.7	0.1	0	+	0.1
29	0.7	1.4	1.6	3.1	|	4.5	2.5	1.7	0.2	0	0	0.2
30	0.7	1.4	1.7	3.0	|	4.3	2.5	1.6	0.1	0	0	0.2
31	0.7	|	a 1.7	3.1	|	4.2	|	1.5	|	0	0	|
	26.0		45.8		569.8		99.6		12.9			
		38.3		159.0		179.2		59.3		0.4		10.6
MEAN	0.84	1.28	1.48	5.13	20.4	5.78	3.32	1.91	0.43	0.01	+	0.35
ACRE-FEET	52.	76.	91.	315.	1130.	355.	198.	118.	26.	0.8	+	21.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 3.29
ACRE-FEET 2380.





STATION F11C-R
BIG TUJUNGA CREEK below Big Tujunga Dam

LOCATION: WATER-STAGE RECORDER, LAT. 34°17'20", LONG. 118°11'38", ON THE RIGHT (NORTHWEST) BANK, 2800 FEET BELOW BIG TUJUNGA DAM AND ABOUT 12 MILES NORTHEAST OF SUNLAND. ELEVATION OF ZERO GAGE HEIGHT, 2063.34 FEET.

DRAINAGE AREA: 82.7 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - SAND, GRAVEL AND BOULDERS. NO ARTIFICIAL CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM CABLE CAR 125 FEET ABOVE STATION.

RECORDER: AN AU CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1957 TO SEPTEMBER 30, 1959.

REGULATION: FLOW REGULATED BY BIG TUJUNGA DAM.

DIVERSIONS: NONE.

RECORDS AVAILABLE: STREAM MEASUREMENTS FROM DECEMBER 8, 1931 TO NOVEMBER 7, 1932 AND JANUARY 20, 1938 TO MAY 29, 1938; RECORDER RECORDS FROM NOVEMBER 8, 1932 TO JANUARY 13, 1938 AND FROM MAY 31, 1938 TO SEPTEMBER 30, 1959.

EXTREMES OF DISCHARGE:
1957-58
MAXIMUM 1320 SECOND-FEET APRIL 4.
MINIMUM PLUS FLOW VARIOUS TIMES
1958-59
MAXIMUM 124 SECOND-FEET FEBRUARY 16.
MINIMUM 0.2 SECOND-FEET VARIOUS DAYS.
1932-57
MAXIMUM 33,000 SECOND-FEET, ESTIMATED MARCH 2, 1938.
MINIMUM NO FLOW SEVERAL DAYS IN OCTOBER 1936.

ACCURACY: GOOD FOR LOW FLOWS AND FAIR FOR HIGH FLOWS.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF BIG TUJUNGA CREEK

~~AT~~ NEAR below Big Tujunga Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 58

NO.	DATE	BEGIN / END	MADE BY	WIDTH - FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATINGS	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1637	12/17	1635 / 1650	BOWMAN	13.0	13.6	1.63	3.99	22.2		.5	10	+.02	FC6
1638	12/19	1255 / 1330	HYDE	13.2	14.3	1.52	4.00	21.8		.2 / .8	15	0	FC21
1639	12/27	1445 / 1500	"	11.2	6.22	0.76	3.35	4.7		.6	11	0	FC58
1640	1/2	1410 / 1418	"	3.8	1.10	0.23	2.92	0.25		.5	7	0	FC60
1641	1/9	1344 / 1348	"	1.3	0.17	0.59	2.88	0.10		.5	4	0	"
1642	1/16	1250 / 1255	"	1.6	0.18	0.61	2.83	0.11		.5	5	0	"
1643	1/23	1226 / 1230	"	1.6	0.16	0.56	2.80	0.09		.5	4	0	"
1644	1/26	0910 / 0932	BOWMAN-BUCK	4.1	11.8	1.67	3.90	19.7		.5 / .6	14	+.02	FC6
1645	1/29	0910 / 0932	HYDE-TWITTY	13.2	13.3	1.75	3.96	23.2		.6	16	0	FC40
1646	1/30	1240 / 1300	HYDE	13.0	13.2	1.71	3.95	22.6		.6	16	0	"
1647	2/4	1614 / 1648	BOWMAN-BUCK	70.0	272.	3.46	8.49	944.		.6	14	-.08	FC6
1648	2/4	2013 / 2110	" "	67.0	172.	4.17	7.56	720.		.6	31	0	"
1649	2/6	1542 / 1548	HYDE	5.5	2.11	2.08	4.82	4.4		.6	7	0	FC40
1650	2/6	1725 / 1740	BOWMAN-HYDE	21.0	14.1	5.58	5.18	50.3		.6	13	-.01	"
1651	2/13	1610 / 1627	HYDE-TWITTY	13.5	6.00	0.85	4.20	11.1		.6	15	0	FC58
1652	2/19	0051 / 0114	BOWMAN-OCAMPO	25.0	18.4	2.40	4.50	44.2		.5 / .6	14	0	FC6
1653	2/19	0758 / 0818	" "	23.0	18.2	2.37	4.50	43.1		.5 / .6	14	0	"
1654	2/19	1542 / 1611	" "	56.5	69.8	3.09	5.64	216.		.6	21	0	"
1655	2/20	1233 / 1305	BOWMAN	56.6	72.9	3.16	5.66	230.		.6	21	0	"
1656	2/20	1500 / 1534	"	55.6	58.7	2.78	5.40	163.		.6	22	0	"
1657	2/20	1748 / 1816	"	56.6	72.3	2.99	5.62	216.		.6	22	0	"
1658	2/22	0907 / 0929	HYDE	27.0	15.2	2.02	4.58	30.7		.6	17	0	FC40
1659	2/25	0935 / 1004	BOWMAN-OCAMPO	40.5	32.8	2.80	4.94	91.9		.5 / .6	23	0	FC6
1660	2/27	1350 / 1408	HYDE	25.0	12.7	1.87	4.48	23.7		.6	18	0	FC58
1661	3/6	1318 / 1344	MOSES-HYDE	25.5	12.7	1.76	4.48	22.4		.6	19	0	FC40
1662	3/13	1326 / 1349	HYDE	25.5	13.2	1.75	4.47	23.1		.6	20	0	"
1663	3/15	1445 / 1508	BOWMAN-PROVENCID	24.5	19.8	1.95	4.61	38.6		.6	15	0	FC6
1664	3/15	1732 / 1753	" "	29.5	36.2	2.51	4.87	90.9		.5 / .6	17	0	"
1665	3/16	0555 / 0623	" "	54.6	74.0	3.10	5.65	230.		.5 / .6	21	0	"
1666	3/16	1108 / 1134	" "	55.6	85.2	3.11	5.83	265.		.6	21	0	"
1667	3/16	1548 / 1615	" "	53.6	50.6	2.87	5.20	145.		.5 / .6	22	0	"
1668	3/20	1127 / 1144	HYDE-BOWMAN	27.0	31.6	2.24	4.78	70.8		.6	15	0	FC40
1669	3/20	1724 / 1747	BOWMAN-OCAMPO	54.6	71.6	2.84	5.54	203.		.6	21	0	FC6
1670	3/20	1940 / 2000	" "	54.7	72.2	2.92	5.54	211.		.6	21	0	"
1671	3/21	0818 / 0845	" "	29.0	36.8	2.75	4.92	101.		.6	19	0	"
1672	3/27	1312 / 1334	" "	29.0	37.9	2.59	4.93	98.1		.5 / .6	18	0	"
1673	4/1	1150 / 1213	" "	56.7	87.3	2.93	5.80	256.		.6	21	+.01	"
1674	4/2	0855 / 0919	" "	57.0	91.9	2.98	5.88	274.		.6	22	0	"
1675	4/2	1446 / 1516	" "	54.0	53.4	2.64	5.20	141.		.5 / .6	24	0	FC23
1676	4/3	0812 / 0833	" "	56.0	83.9	3.00	5.75	252		.6	20	+.01	"
1677	4/3	1440 / 1518	" "	63.0	226.	4.80	8.38	1090		.6	17	+.07	"
1678	4/4	0850 / 0850	" "	63.0	222.	4.64	8.27	1030		.6	25	-.02	"
1679	4/4	1420 / 1455	" "	66.0	267.	4.96	8.85	1320.		.6	18	-.01	"
1680	4/5	1130 / 1200	BOWMAN-OCAMPO	61.0	144.	3.87	6.86	557.		.6	17	0	FC23
1681	4/6	1955 / 1030	" "	59.0	93.6	3.38	6.22	316.		.6	24	0	"
1682	4/8	1633 / 1705	BOWMAN	47.0	71.7	2.05	5.60	147.		.6	19	-.06	"
1683	4/8	1955 / 2030	"	46.0	64.3	1.87	5.28	120.		.6	19	-.02	"
1684	4/10	1336 / 1403	HYDE	CHANNELS			5.27	130.		.6	24	0	FC40
1685	4/16	1442 / 1502	"	48.0	52.1	1.77	4.99	92.2		.6	18	0	"
1686	4/21	1630 / 1715	"	46.5	37.4	1.23	4.49	45.9		.6	16	0	"
1687	4/26	1122 / 1146	HYDE-KEPHART	51.0	69.4	2.36	5.53	164.		.6	21	0	FC28
1688	4/28	0840 / 0900	HYDE	57.0	91.0	2.96	5.95	269.		.6	20	0	FC58
1689	4/28	1132 / 1200	HYDE-KEPHART	53.0	85.3	2.90	5.84	247.		.6	22	0	"
1690	4/28	1345 / 1412	" "	52.5	84.3	2.85	5.81	240.		.6	20	+.02	"
1691	4/28	1527 / 1549	" "	52.5	81.1	2.75	5.75	223.		.6	21	0	"
1692	4/29	1353 / 1420	HYDE	52.5	91.8	2.92	5.95	268.		.6	19	0	"
1693	4/29	1445 / 1515	HYDE-KEPHART	52.5	91.8	2.84	5.95	261.		.2 / .6	19	0	"
1694	5/1	1312 / 1347	HYDE	53.0	92.2	3.09	5.99	285.		.6	23	0	"
1695	5/3	1042 / 1112	HYDE-KEPHART	53.0	93.8	2.84	5.95	266.		.6	23	0	"
1696	5/5	0950 / 1020	BOWMAN-HYDE	50.5	79.6	2.60	5.70	207.		.6	19	0	"
1697	5/5	1503 / 1528	HYDE-BOWMAN	50.5	85.1	2.81	5.81	239.		.6	20	+.04	"
1698	5/6	1142 / 1214	BOWMAN	45.0	36.2	1.47	4.60	53.2		.5 / .6	17	-.01	FC44
1699	5/6	1436 / 1500	BOWMAN-KEPHART	45.0	34.3	1.42	4.53	48.6		.5 / .6	17	0	"
1700	5/7	1208 / 1234	BOWMAN	42.0	26.4	1.45	4.43	38.4		.5 / .6	17	0	"
1701	5/8	1020 / 1038	HYDE	CHANNELS			4.48	40.6		.6	17	0	FC58
1702	5/10	1240 / 1300	"		"		4.50	37.8		.6	20	0	"
1703	5/12	0910 / 0928	HYDE-KEPHART		"		4.51	36.8		.6	18	0	"
1704	5/15	1338 / 1402	HYDE		"		4.47	30.9		.6	20	0	"
1705	5/19	1147 / 1202	HYDE-KEPHART		"		4.46	25.5		.6	19	0	FC40
1706	5/22	1240 / 1300	HYDE		"		4.54	23.0		.6	17	0	"
1707	5/29	1000 / 1015	HYDE-KEPHART		"		4.63	19.2		.6	17	0	"
1708	6/2	1400 / 1410	BOWMAN	4.0	0.64	0.89	4.22	0.57		.5	9	0	FC60
1709	6/5	1450 / 1500	"	4.5	1.32	0.59	4.28	0.78		.5	10	0	"
1710	6/12	1520 / 1525	HYDE	3.0	0.58	0.67	4.22	0.97		.6	6	0	"
1711	6/19	1502 / 1510	"	3.4	0.57	1.32	4.28	0.75		.5	7	0	"
1712	6/26	1255 / 1305	"	CHANNELS			4.27	2.8		.5	11	0	FC40 FC60
1713	7/3	1530 / 1537	"	3.8	0.95	2.42	4.38	2.3		.5	6	0	FC40
1714	7/10	1210 / 1215	"	CHANNELS			4.37	3.1		.5	6	0	FC60
1715	7/17	1408 / 1415	"	7.5	1.80	1.89	4.49	3.4		.5	7	0	FC40
1716	7/24	1316 / 1330	HYDE-BURKE	CHANNELS			4.58	3.6		.5	15	0	FC40 FC60
1717	7/31	1407 / 1419	HYDE		"		4.60	3.4		.5	13	0	FC58
1718	8/7	1030 / 1038	HYDE-TURNER		"		4.67	4.0		.6	7	0	"
1719	8/14	1200 / 1213	HYDE-KEPHART		"		4.69	5.1		.5	8	0	"
1720	8/21	1010 / 1020	HYDE-KEPHART	6.0	1.70	2.70	4.75	4.6		.5	8	0	"
1721	9/25	1400 / 1410	" "	6.7	2.25	2.58	4.80	5.8		.6	9	0	"

DISCHARGE MEASUREMENTS OF BIG TUJUNGA CREEK

AT OR NEAR below Big Tujunga Dam DURING THE YEAR ENDING SEPTEMBER 30, 1959

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	D. HT. CHANGE TOTAL	METER NO.
1722	10/2	1358 / 1406	HYDE-KEPHART	7.5	2.05	2.00	4.79	4.1		.5	9	0	FC58
1723	10/9	1342 / 1352	HYDE	6.3	2.00	1.90	4.60	3.8		.5	9	0	"
1724	10/16	1500 / 1508	HYDE-KEPHART	4.7	1.78	2.25	4.43	4.0		.6	6	0	"
1725	10/23	1010 / 1020	" "	4.6	1.90	2.00	4.40	3.8		.6	7	0	"
1726	10/30	1330 / 1342	HYDE	5.0	1.79	2.06	4.42	3.7		.6	8	0	"
1727	11/6	1420 / 1430	"	4.6	1.81	1.88	4.40	3.4		.5 .6	7	0	FC40
1728	11/13	1317 / 1323	"	4.9	1.81	1.76	4.38	3.2		.6	7	0	"
1729	11/20	1343 / 1351	"	5.0	1.93	1.61	4.37	3.1		.6	7	0	"
1730	11/26	1150 / 1200	"	5.2	2.10	1.67	4.38	3.5		.6	7	0	"
1731	12/4	1348 / 1358	"	5.0	2.00	1.65	4.38	3.3		.6	7	0	"
1732	12/11	1354 / 1406	"	5.3	2.09	1.44	4.37	3.0		.6	7	0	FC58
1733	12/18	1440 / 1450	WALTER-HYDE	3.4	0.70	1.71	4.29	1.2		.5	5	0	FC40
1734	12/26	1156 / 1207	HYDE-KEPHART	3.4	0.94	1.60	4.29	1.5		.5	6	0	"
1735	1/2	1344 / 1352	HYDE	3.4	0.99	1.62	4.29	1.6		.5	6	0	"
1736	1/8	1415 / 1420	"	2.2	0.32	1.25	4.18	0.40		.5	5	0	"
1737	1/15	0918 / 0922	"	1.8	0.20	0.90	4.16	0.18		.5	5	0	FC60
1738	1/22	1600 / 1604	"	1.2	0.15	1.26	4.16	0.19		.5	4	0	FC40
1739	1/29	1250 / 1252	HYDE-KEPHART	1.2	0.17	1.23	4.17	0.21		.5	4	0	"
1740	2/5	1514 / 1518	HYDE	1.5	0.18	1.05	4.17	0.19		.5	4	0	"
1741	2/11	1117 / 1125	BOWMAN	6.0	1.35	2.07	4.34	2.8		.5	7	0	FC6
1742	2/11	1246 / 1256	"	6.2	1.54	2.40	4.40	3.7		.5	8	0	"
1743	2/11	1525 / 1542	"	26.0	10.2	2.93	4.95	29.9		.5 .6	14	0	"
1744	2/13	0902 / 0908	HYDE	2.5	0.40	1.20	4.27	0.48		.5	5	0	FC40
1745	2/13	1318 / 1334	"	8.0	4.45	3.70	4.67	16.5		.6	10	0	"
1746	2/16	1110 / 1130	BOWMAN-ART	41.0	13.6	2.78	4.88	37.8		.5 .6	17	0	FC6
1747	2/16	1718 / 1738	" "	46.0	28.8	4.31	5.66	124.		.5 .6	18	+.02	"
1748	2/16	2352 / 0014	" "	53.0	30.7	3.80	5.77	117.		.5 .6	20	+.02	"
1749	2/17	1006 / 1030	" "	59.0	29.3	3.91	5.87	115.		.5 .6	21		"
1750	2/19	1440 / 1459	HYDE-KEPHART		CHANNELS		5.87	24.7		.5	20	0	FC 40
1751	2/26	1255 / 1310	HYDE	9.0	4.22	2.75		11.6		.6	12	0	"
1752	3/19	1555 / 1600	HYDE	2.4	0.33	0.88		0.29		.5	5	0	FC40
1753	3/26	1120 / 1125	"	2.0	0.28	1.00		0.28		.5	5	0	"
1754	4/2	1523 / 1529	HYDE-KEPHART		CHANNELS		5.40	0.76		.5	5	0	"
1755	4/9	0818 / 0827	HYDE	2.9	0.68	1.38	5.41	0.94		.5	6	0	"
1756	4/16	0813 / 0822	"	3.0	0.67	1.64	5.41	1.1		.5	6	0	"
1757	4/23	1112 / 1118	"	3.0	0.66	1.52	5.41	1.0		.5	6	0	"
1758	4/30	1502 / 1510	HYDE-KEPHART	2.7	0.58	1.55	5.38	0.90		.5	5	0	"
1759	5/1	1510 / 1516	HYDE	4.2	1.61	2.24	5.30	3.6		.5	7	0	"
1760	5/7	1352 / 1400	"	5.0	1.69	2.19	5.10	3.7		.6	6	0	"
1761	5/14	0845 / 0857	"	4.5	2.09	1.77	5.08	3.7		.6	7	0	"
1762	5/21	1430 / 1437	"	6.2	2.78	1.37	5.09	3.8		.6	8	0	"
1763	5/28	1327 / 1340	"	6.5	2.96	1.35	5.10	4.0		.6	9	0	"
1764	6/4	1137 / 1152	"	6.5	2.92	1.44	5.10	4.2		.6	9	0	"
1765	6/11	1130 / 1144	"	6.5	2.69	1.49	5.09	4.0		.6	9	0	"
1766	6/18	1132 / 1142	"	6.5	2.60	1.46	5.10	3.8		.6	9	0	"
1767	6/25	1112 / 1126	"	6.5	2.50	1.44	5.11	3.6		.6	9	0	"
1768	7/2	0828 / 0842	"	6.5	2.71	1.99	5.14	5.4		.6	9	0	"
1769	7/9	1120 / 1133	HYDE-KEPHART	6.5	2.78	1.93	5.11	5.2		.6	9	0	"
1770	7/16	1106 / 1124	" "	6.2	2.76	1.96	5.13	5.4		.6	8	0	"
1771	7/23	1140 / 1148	ROY-HYDE	6.0	2.21	1.99	5.12	4.4		.5	8	0	"
1772	7/30	1115 / 1127	HYDE-KEPHART	5.8	2.42	2.18	5.10	5.3		.6	8	0	"
1773	8/6	1404 / 1412	ROY-KEPHART	6.1	2.42	2.06	5.10	5.0		.6	7	0	"
1774	8/11	1445 / 1510	HYDE	6.1	2.72	2.17	5.06	5.9		.6	13	0	"
1775	8/13	1200 / 1223	HYDE-CROKE	6.1	2.75	2.11	5.06	5.8		.6	13	0	"
1776	8/20	1100 / 1125	HYDE	6.0	2.36	2.37	5.05	5.6		.6	13	0	"
1777	8/27	1122 / 1148	HYDE-KEPHART	6.1	2.45	2.20	5.04	5.4		.6	13	0	"
1778	9/3	1156 / 1220	" "	6.2	2.49	2.25	5.03	5.6		.6	12	0	"
1779	9/10	1220 / 1243	HYDE	6.2	2.46	2.11	5.02	5.2		.6	13	0	"
1780	9/17	1052 / 1113	"	6.3	2.58	2.02	5.02	5.2		.6	13	0	"
1781	9/24	0950 / 1008	"	6.3	2.42	2.11	4.91	5.1		.6	14	0	"

76D74M C&b 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F168-R

Daily discharge, in second-feet of BIG TUJUNGA CREEK below Big Tujunga Dam for the year ending September 30, 19 58

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	6.5	+	+	0.4	23	22	200	280	b 0.6	b 2.8	b 3.4	b 4.8
2	6.5			0.2	23	22	205	270	0.6	2.8	3.3	4.8
3	6.5			0.2	27	22	584	262	0.6	2.8	3.3	4.8
4	6.3			0.2	405	22	1120	252	0.7	2.9	3.3	4.8
5	6.1			0.2	618	22	556	214	0.8	2.9	3.2	4.8
6	6.1			0.2	242	22	372	86	0.8	3.0	3.2	4.8
7	6.0			0.2	50	32	318	e 38	0.8	3.0	4.4	4.8
8	5.8			0.1	51	38	246	39	0.8	3.1	5.1	4.8
9	5.8			0.1	50	38	129	38	0.8	3.1	5.1	4.7
10	5.8			0.2	50	38	130	38	0.9	3.1	5.1	4.7
11	5.6			0.1	44	38	136	37	0.9	3.2	5.1	4.7
12	5.6			0.1	35	30	137	37	1.0	3.2	5.0	4.9
13	5.6			0.1	26	23	139	35	1.0	3.3	5.0	5.2
14	5.3		+	0.1	11	23	139	33	1.0	3.3	5.0	5.2
15	5.2		0.4	0.1	11	48	112	31	0.9	3.3	5.0	5.2
16	5.2		1.1	0.1	11	182	92	29	0.9	3.4	5.0	5.1
17	5.1		9.1	0.1	11	145	93	28	0.9	3.4	5.0	5.1
18	5.1		23	0.1	12	145	95	27	0.8	3.4	5.0	5.1
19	4.6		22	0.1	130	143	94	26	0.8	3.5	5.0	5.1
20	4.3		21	0.1	206	140	95	25	0.8	3.5	5.0	5.1
21	4.2		20	0.1	148	131	71	24	0.8	3.5	5.0	5.0
22	4.0		20	0.1	30	101	46	23	0.8	3.5	5.0	5.8
23	3.8		13	0.1	32	101	31	23	1.9	3.6	5.0	6.5
24	3.7		4.9	0.1	34	88	0.8	22	2.8	3.6	5.0	6.5
25	3.6		4.9	0.3	72	96	0.8	22	2.8	3.6	4.9	6.4
26	3.4		4.8	16	90	98	96	21	2.8	3.6	4.9	5.7
27	3.2		4.7	23	56	98	178	21	2.8	3.5	4.9	4.3
28	3.2		4.7	23	23	98	247	e 20	2.8	3.5	4.9	4.3
29	3.1		4.7	23		98	241	16	2.8	3.4	4.9	4.3
30	1.0	+	2.6	23		95	270	1.2	b 2.8	3.4	4.9	b 4.3
31	+		0.5	23		95		0.8		b 3.4	b 4.9	
		+		134.7		2294.0		2019.0		101.6		151.6
	146.2		161.4		25210		6168.0		39.5		143.8	
MEAN	4.72	+	5.21	4.34	90.0	74.0	206.	65.1	1.32	3.28	4.64	5.05
ACRE-FEET	290.	+	320.	267.	5000.	4550.	12,240.	4000.	78.	202.	285.	301.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 38.
ACRE-FEET 27,530.

7&D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F 168-R

Daily discharge, in second-feet of BIG TUJUNGA CREEK below Big Tujunga Dam, for the year ending September 30, 1959

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4.5	3.6	3.6	1.6	0.2	b 0.3	b 0.3	2.6	4.0	4.8	5.2	5.6
2	4.0	3.6	3.2	1.6	0.2	0.3	0.5	3.8	4.2	5.5	5.2	5.6
3	4.0	3.6	3.2	1.6	0.2	0.3	0.9	3.6	4.2	5.5	5.2	a 5.6
4	4.0	3.6	3.2	1.6	0.2	0.3	0.9	3.8	4.2	5.5	5.2	5.6
5	4.0	3.6	3.2	2.0	0.2	0.3	0.9	3.8	4.2	5.5	5.2	5.5
6	4.0	3.6	3.2	3.8	0.2	0.3	0.9	3.8	4.2	5.5	5.6	5.5
7	4.0	3.6	3.2	0.4	0.2	0.3	0.9	3.8	4.0	5.5	5.8	5.4
8	4.0	3.6	3.2	0.4	0.2	0.3	0.9	3.8	4.0	5.5	5.8	5.4
9	4.0	3.2	3.2	0.4	0.2	0.3	0.9	3.8	4.0	5.5	5.8	a 5.3
10	4.0	3.2	2.8	0.2	0.6	0.3	1.0	3.8	4.0	5.5	5.8	5.3
11	4.0	3.2	2.8	0.2	5.3	0.3	1.0	3.8	4.0	5.5	5.6	5.3
12	4.0	3.2	3.2	0.2	0.4	0.3	1.0	3.8	4.0	5.5	5.8	5.3
13	4.0	3.2	3.2	0.2	10.3	0.3	1.0	3.8	4.0	5.5	5.8	5.3
14	4.0	3.2	3.2	0.2	10.6	0.3	1.1	3.8	4.0	5.5	5.8	5.3
15	4.0	3.2	3.6	0.2	5.5	0.3	1.1	3.8	4.0	5.5	5.8	5.3
16	4.0	3.2	2.8	0.2	50	0.3	1.1	3.8	3.8	5.5	5.8	5.3
17	4.0	3.2	2.8	0.2	116	0.3	1.0	3.8	3.8	5.5	5.8	5.3
18	4.0	3.2	2.3	0.2	114	0.3	1.0	3.8	3.8	5.5	5.8	5.2
19	4.0	3.2	1.2	0.2	70	0.3	1.0	3.6	3.8	5.5	5.8	5.2
20	4.0	3.2	0.8	0.2	25	0.3	1.0	3.6	3.8	5.5	5.8	5.2
21	4.0	3.6	0.8	0.2	25	0.3	1.0	3.8	3.8	5.5	5.8	5.2
22	4.0	3.6	0.8	0.2	24	0.3	1.0	3.8	3.8	5.2	5.8	5.2
23	4.0	3.6	1.2	0.2	16.6	0.3	1.0	4.0	3.5	5.2	5.8	5.2
24	4.0	3.6	1.6	0.2	11.6	0.3	1.0	4.0	3.5	5.2	5.6	5.2
25	4.0	3.6	1.6	0.2	11.6	0.3	1.0	4.0	3.5	5.2	5.6	4.8
26	4.0	3.6	1.6	0.2	11.6	0.3	1.0	4.0	3.5	5.2	5.6	4.8
27	3.6	3.6	1.6	0.2	8.1	0.3	1.0	4.0	3.5	5.2	5.6	4.8
28	3.6	3.6	1.6	0.2	b 0.3	0.3	1.0	4.0	3.5	5.2	5.6	4.8
29	3.6	3.6	1.6	0.2		0.3	0.9	4.0	3.5	5.2	5.6	4.8
30	3.6	3.6	1.6	0.2		0.3	0.9	4.0	3.5	5.2	5.6	4.8
31	3.6		1.6	0.2		b 0.3		4.0		5.2	5.6	
	1225	1032	735	17.8	5183	9.3	28.2	118.4	115.6	165.8	175.0	157.1
MEAN	3.95	3.44	2.37	0.57	18.5	0.3	0.94	3.82	3.85	5.38	5.64	5.24
ACRE-FEET	243.	205.	146.	35.	1030.	18.	56.	235.	229.	331.	347.	312.

Remarks:

YEAR OR PERIOD MEAN 4.40
ACRE-FEET 3190.

STATION F213-R
BIG TUJUNGA CREEK above Cold Canyon

LOCATION: WATER-STAGE RECORDER, LAT. 34°18'02", LONG. 118°16'02", ON THE LEFT (SOUTH) BANK TWO MILES ABOVE MOUTH OF CANYON SEVEN MILES BELOW BIG TUJUNGA DAM AND ABOUT FOUR MILES NORTHEAST OF SUNLAND. ELEVATION OF ZERO GAGE HEIGHT, 1571.80 FEET. THE FORMER STATION U11-R WAS ABOUT 1000 FEET UPSTREAM AT THE LOCATION OF A PARTLY CONSTRUCTED AND ABANDONED SUBMERGED DAM.

DRAINAGE AREA: 106. SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL COMPOSED OF GRAVEL AND BOULDERS. CHANNEL FORMS CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM CABLE CAR 90 FEET BELOW STATION.

RECORDER: AN AU CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1957 TO SEPTEMBER 30, 1959.

REGULATION: FLOW FROM 82.3 SQUARE MILES REGULATED BY BIG TUJUNGA DAM. FLOW FROM 23.7 SQUARE MILES UNREGULATED.

DIVERSIONS: THERE ARE SEVERAL SMALL IRRIGATION DIVERSIONS ABOVE THE STATION.

RECORDS AVAILABLE: OCTOBER 1, 1932 TO SEPTEMBER 30, 1959. (RECORDS AT U.S.G.S. STATION, TUJUNGA CREEK, NEAR SUNLAND, ARE AVAILABLE FROM OCTOBER 1, 1916 TO SEPTEMBER 30, 1932 IN WATER SUPPLY PAPERS.)

EXTREMES OF DISCHARGE:
1957-58
MAXIMUM 1670 SECOND-FEET APRIL 3.
MINIMUM 0.8 SECOND FOOT NOVEMBER 21.
1958-59
MAXIMUM 245 SECOND-FEET FEBRUARY 11.
MINIMUM 1.6 SECOND-FEET OCTOBER 17.
1916-1959
MAXIMUM 50,000 SECOND-FEET ESTIMATED MARCH 2, 1938.
MINIMUM 0.2 SECOND-FOOT AUGUST 1951.

ACCURACY: GOOD.

OPERATION: CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT IN COOPERATION WITH THE U.S.G.S. WATER RESOURCES BRANCH.

DISCHARGE MEASUREMENTS OF BIG TUJUNGA CREEK

AT ~~NEAR~~ above Gold Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1956

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATINGS	METHOD	MEAS. SEC. NO.	S. HT. CHANGE TOTAL	METER NO.
1606	10/3	1510 / 1525	HYDE	11.5	7.40	0.85	9.82	6.3		.6	11	0	FC58
1607	10/10	1348 / 1400	"	10.0	6.38	0.83	9.56	5.3		.6	11	0	"
1608	10/14	0817 / 0832	"	11.0	7.43	0.94	9.51	7.0		.6	11	0	"
1609	10/15	1358 / 1422	BOWMAN-HYDE	14.3	6.62	0.88	9.48	5.8		.5	17	0	"
1610	10/17	1508 / 1526	HYDE	14.1	6.55	0.75	9.44	4.9		.6	13	0	"
1611	10/24	1525 / 1552	"	14.0	5.81	0.72	9.44	4.2		.6	16	0	"
1612	10/31	0835 / 0848	"	13.5	4.57	0.55	9.37	2.5		.6	12	0	FC60
1613	11/4	0807 / 0824	"	13.8	4.72	0.53	9.39	2.5		.6	16	0	"
1614	11/7	1452 / 1508	"	10.9	3.29	0.46	9.32	1.5		.6	13	0	"
1615	11/14	1318 / 1328	"	7.0	2.04	0.74	9.30	1.5		.5 .6	9	0	"
1616	11/21	1417 / 1427	"	6.5	1.65	0.55	9.35	0.90		.6	9	0	"
1617	11/27	1545 / 1558	"	7.5	1.93	0.52	9.25	1.0		.6	10	0	"
1618	12/5	1500 / 1515	"	12.0	5.77	1.07	9.48	6.2		.6	14	0	FC58
1619	12/6	1350 / 1407	"	12.0	4.43	0.81	9.40	3.6		.6	14	0	FC60
1620	12/11	1500 / 1516	"	11.0	3.11	0.51	9.29	1.6		.6	13	0	"
1621	12/12	1434 / 1450	"	10.9	3.02	0.50	9.28	1.5		.6	13	0	"
1622	12/15	1354 / 1404	BOWMAN	16.0	9.63	2.06	9.64	19.8		.5	10	+.01	FC6
1623	12/16	0840 / 0900	HYDE	CHANNELS			9.91	51.1		.6	21	-.01	FC58
1624	12/17	0850 / 0910	HYDE-FEIKER	"			9.85	51.2		.6	21	-.02	FC21
1625	12/18	1550 / 1615	HYDE	"			9.78	33.8		.6	16	0	"
1626	12/19	1512 / 1536	"	"			9.77	28.6		.6	19	0	"
1627	12/27	1540 / 1554	"	15.1	6.88	1.26	9.51	8.7		.6	14	0	FC58
1628	1/2	1524 / 1542	"	14.9	3.95	0.84	9.39	3.3		.5 .6	15	0	FC60
1629	1/9	1535 / 1542	"	10.5	4.03	0.50	9.35	2.0		.6	8	0	"
1630	1/16	1402 / 1415	"	14.4	3.11	0.58	9.34	1.8		.5	12	0	"
1631	1/23	1502 / 1514	"	6.1	1.88	1.06	9.33	2.0		.6	8	0	"
1632	1/26	0042 / 0052	BOWMAN-BUCK	CHANNELS			9.79	35.5		.6	10	+.03	FC6
1633	1/26	0315 / 0340	HYDE-HEMPHILL	"			10.07	84.3		.6	19	+.01	FC40
1634	1/27	1432 / 1455	HYDE	"			9.77	33.7		.6	22	0	"
1635	1/30	1505 / 1530	"	"			9.74	26.4		.6	21	0	"
1636	2/2	1920 / 1932	BOWMAN-BUCK	"			9.74	26.5		.5 .6	16	+	FC6
1637	2/3	0936 / 1000	HYDE-HEMPHILL	76.0	70.7	2.57	10.37	182.		.6	25	-.02	FC40
1638	2/4	1652 / 1745	" "	100.0	196.	6.54	11.90	1280.		.6	22	-.20	"
1639	2/6	0844 / 0916	HYDE-BOWMAN	CHANNELS			11.93	555.		.6	21	0	FC58
1640	2/7	1423 / 1450	HYDE	"			11.33	81.7		.6	22	0	FC40
1641	2/13	1717 / 1727	HYDE-TWITTY	20.0	21.1	2.28	11.22	48.2		.6	11	-.01	FC58
1642	2/14	1600 / 1623	HYDE	CHANNELS			11.05	22.8		.6	21	0	"
1643	2/19	1435 / 1508	"	76.0	81.5	4.10	11.67	334.		.6	22	-.02	FC40
1644	2/25	1004 / 1023	HYDE-MEDINA	CHANNELS			10.80	77.4		.6	21	+.04	"
1645	2/26	1250 / 1315	HYDE	"			10.88	108.		.6	22	0	"
1646	3/5	0840 / 0914	MOSES-HYDE	24.0	16.0	2.54	10.55	40.6		.6	16	0	FC58
1647	3/12	0820 / 0850	HYDE	CHANNELS			10.65	53.1		.6	21	0	FC40
1648	3/16	1155 / 1220	HYDE-MEDINA	"			11.17	328.		.6	16	+	"
1649	3/19	0837 / 0917	HYDE	CHANNELS			11.00	179.		.6	21	0	FC40
1650	3/21	1228 / 1302	"	"			10.93	128.		.6	27	0	"
1651	3/24	0802 / 0843	"	"			10.95	142.		.6	23	0	"
1652	3/26	0822 / 0857	HYDE-WOOD	"			10.93	130.		.6	22	0	"
1653	3/27	1400 / 1422	HYDE-BOYLES	"			11.04	156.		.6	21	-.03	"
1654	4/1	1638 / 1715	HYDE-FALCONE	98.0	117.	5.02	11.48	587.		.6	23	-.06	"
1655	4/2	1150 / 1227	FALCONE-HYDE	95.0	80.9	5.24	11.29	424.		.6	20	-.01	"
1656	4/3	1610 / 1718	HYDE-FALCONE	102.0	208.	4.97	12.14	1030.		.6	23	-.03 +.03	"
1657	4/4	0852 / 0932	" "	100.0	198.	5.52	11.84	1170.		.6	23	-.01	"
1658	4/4	1620 / 1715	HYDE	102.0	266.	5.49	12.02	1460.		.6	23	-.03	"
1659	4/6	1512 / 1543	HYDE-LUND	97.0	115.	4.01	10.78	461.		.6	23	-.01	"
1660	4/7	1100 / 1140	HYDE-MEDINA	90.0	108.	4.41	10.74	476.		.6	20	0	"
1661	4/9	0830 / 0850	HYDE	42.5	69.5	3.15	10.38	219.		.6	15	0	"
1662	4/15	0816 / 0836	"	38.0	61.6	3.08	10.21	190.		.6	14	0	"
1663	4/17	0830 / 0850	"	37.0	50.4	2.64	10.03	133.		.6	15	0	"
1664	4/23	0813 / 0833	"	34.0	40.2	1.88	9.75	75.7		.6	14	0	FC58
1665	4/24	1518 / 1540	"	31.5	26.7	1.15	9.40	30.7		.6	16	0	"
1666	4/26	1430 / 1447	"	39.5	58.1	2.88	10.16	167.		.6	17	0	"
1667	4/29	0830 / 0855	"	39 5	72.5	3.42	10.34	248.		.6	16	0	"
1668	4/30	0835 / 0855	"	44.0	81.8	3.58	10.45	293.		.6	15	0	"
1669	5/8	0840 / 0858	"	35.0	41.7	1.40	9.63	58.6		.6	15	0	"
1670	5/12	1114 / 1134	"	30.0	32.6	1.52	9.57	49.7		.6	13	0	"
1671	5/15	1547 / 1603	"	28.5	28.1	1.49	9.49	41.7		.6	13	0	"
1672	5/19	1415 / 1430	"	23.0	26.6	1.41	9.44	37.5		.6	12	0	FC40
1673	5/22	1520 / 1542	"	19.0	23.2	1.30	9.39	30.0		.6	12	0	"
1674	5/29	0822 / 0840	"	26.7	21.5	1.31	9.34	28.1		.6	13	0	"
1675	6/2	1010 / 1030	BOWMAN	15.3	13.4	0.68	9.05	9.1		.5 .6	10	0	"
1676	6/12	1655 / 1708	HYDE	18.5	12.4	0.54	8.99	6.7		.6	13	0	FC60
1677	6/19	1600 / 1615	"	18.5	11.8	0.38	8.97	4.5		.6	12	0	"
1678	6/26	1510 / 1522	"	18.0	12.0	0.46	8.97	5.5		.6	11	0	"
1679	7/3	1638 / 1647	"	16.0	11.9	0.41	8.97	4.9		.6	10	0	"
1680	7/10	1345 / 1400	"	16.0	11.7	0.39	8.96	4.6		.6	11	0	"
1681	7/17	1515 / 1528	"	19.0	12.5	0.46	9.01	5.5		.6	13	0	"
1682	7/24	1418 / 1432	HYDE-BURKE	16.0	12.6	0.41	9.03	5.2		.6	10	0	"
1683	7/31	1520 / 1536	HYDE	14.0	12.4	0.26	9.05	3.2		.6	11	0	"
1684	8/7	0834 / 0846	HYDE-TURNER	16.0	14.9	0.34	9.13	5.1		.6	11	0	"
1685	8/14	1320 / 1332	HYDE	13.0	12.6	0.37	9.09	4.7		.6	9	0	"
1686	8/21	0814 / 0827	"	16.0	13.9	0.38	9.10	5.3		.6	10	0	"
1687	8/28	1432 / 1442	"	12.0	11.8	0.40	9.07	4.7		.6	8	0	"
1688	9/4	1400 / 1415	BOWMAN	14.0	9.73	0.57	9.08	5.6		.5 .6	9	0	FC58
1689	9/11	1350 / 1400	HYDE	11.0	11.2	3.75	9.05	4.2		.6	8	0	FC60
1690	9/19	1358 / 1408	"	12.0	12.0	0.34	9.06	4.1		.6	9	0	"
1691	9/25	1450 / 1500	"	12.0	12.1	0.45	9.13	5.4		.6	8	0	"

DISCHARGE MEASUREMENTS OF BIG TUJUNGA CREEK

AT OR NEAR above Gold Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 59

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATINGS	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1692	10/2	1515 / 1525	HYDE	10.0	10.1	0.43	9.06	4.3		.6	7	0	FC60
1693	10/9	1435 / 1445	"	11.0	11.0	0.35	9.08	3.9		.6	8	0	"
1694	10/16	1555 / 1605	"	11.0	11.1	0.24	9.09	2.6		.6	8	0	"
1695	10/23	1417 / 1427	"	11.0	11.7	0.35	9.14	4.1		.6	8	0	"
1696	10/30	1445 / 1457	"	10.0	10.6	0.29	9.14	3.1		.6	8	0	"
1697	11/6	0812 / 0825	"	10.0	10.9	0.24	9.15	2.6		.6	8	0	"
1698	11/13	1425 / 1430	"	5.5	3.19	1.44	9.17	4.6		.6	8	0	FC40
1699	11/20	1443 / 1455	"	6.0	3.61	1.36	9.19	4.9		.6	9	0	"
1700	11/26	1416 / 1425	"	6.4	3.72	1.21	9.20	4.5		.6	8	0	"
1701	12/4	1512 / 1520	"	5.0	3.08	1.46	9.23	4.5		.6	7	0	"
1702	12/11	1427 / 1437	"	CHANNELS			9.22	4.8		.6	8	0	FC58
1703	12/18	1520 / 1535	WALTER-HYDE	11.5	7.56	0.56	9.20	4.2		.6	9	0	FC40
1704	12/26	1357 / 1412	HYDE	8.0	4.28	0.79	9.14	3.4		.6	9	0	"
1705	1/2	1513 / 1522	"	7.5	4.21	0.78	9.18	3.4		.6	10	0	"
1706	1/6	1115 / 1130	HYDE-MEDINA	33.0	16.7	2.00	9.57	33.5		.6	12	-.01	"
1707	1/8	1505 / 1517	HYDE	11.0	4.33	1.48	9.27	6.4		.6	10	0	"
1708	1/15	1458 / 1508	"	11.0	2.15	1.35	9.22	2.9		.6	8	+.01	"
1709	1/22	0827 / 0837	"	9.5	2.36	1.06	9.21	2.5		.5	8	0	"
1710	1/29	1434 / 1444	"	12.0	3.31	0.84	9.21	2.8		.5	9	0	"
1711	2/5	1600 / 1613	"	12.0	2.65	0.87	9.21	2.3		.5	12	0	"
1712	2/8	1447 / 1458	HYDE-MEDINA	12.0	5.95	1.36	9.34	8.1		.6	13	-.01	"
1713	2/11	0836 / 0848	" "	45.0	46.2	4.28	10.27	198.		.6	14	-.02	"
1714	2/11	1248 / 1307	" "	45.0	32.7	3.74	10.20	122.		.6	18	-.03	"
1715	2/13	1450 / 1508	HYDE	17.5	10.2	2.25	7.72	22.9		.6	15	+.02	"
1716	2/16	1118 / 1130	HYDE-MEDINA	31.0	15.7	2.65	9.83	41.7		.6	13	+.04	"
1717	2/16	1202 / 1217	" "	46.2	21.5	3.02	9.94	65.2		.6	17	+.05	"
1718	2/16	1310 / 1326	" "	49.0	33.3	4.03	10.17	134.		.6	18	+.03	"
1719	2/17	0835 / 0905	HYDE	45.0	38.4	3.46	10.15	133.		.6	24	-.01	"
1720	2/18	1504 / 1535	"	44.0	40.5	3.33	10.07	135.		.6	25	0	"
1721	2/19	1550 / 1612	"	31.7	22.3	2.01	9.70	44.8		.6	19	-.02	"
1722	2/21	1333 / 1347	BOWMAN-HYDE	32.0	22.2	2.18	9.68	48.5		.6	18	0	"
1723	2/26	1442 / 1500	HYDE	29.0	14.3	1.29	9.43	18.4		.6	15	0	"
1724	3/5	1500 / 1512	HYDE	26.5	8.10	0.70	9.23	5.6		.6	12	0	FC40
1725	3/12	1250 / 1308	"	26.0	7.51	0.60	9.20	4.5		.5	12	0	"
1726	3/19	1632 / 1645	"	27.0	7.61	0.39	9.19	3.0		.5	11	0	"
1727	3/26	1438 / 1446	"	3.7	1.65	1.82	9.19	3.0		.6	6	0	"
1728	4/3	0738 / 0748	"	3.9	1.71	1.52	9.17	2.6		.6	7	0	"
1729	4/9	1450 / 1458	"	4.0	1.79	1.56	9.18	2.8		.6	7	0	"
1730	4/16	1430 / 1440	"	4.0	1.83	1.37	9.17	2.5		.6	7	0	"
1731	4/23	1458 / 1506	"	4.0	1.38	1.16	9.15	1.6		.6	7	0	"
1732	4/30	1616 / 1626	"	4.4	1.53	1.24	9.16	1.9		.6	7	0	"
1733	5/7	1510 / 1520	"	4.0	1.84	2.01	9.24	3.7		.6	6	0	"
1734	5/14	1545 / 1555	"	4.1	2.23	1.75	9.26	3.9		.6	7	0	"
1735	5/21	1525 / 1535	"	4.1	2.41	1.74	9.29	4.2		.6	7	0	"
1736	5/28	1555 / 1603	"	4.2	3.22	1.61	9.30	5.2		.6	7	0	"
1737	6/4	1356 / 1405	"	4.1	2.25	1.69	9.32	3.8		.6	7	0	"
1738	6/11	1445 / 1455	"	4.2	2.61	1.30	9.32	3.4		.6	7	0	"
1739	6/18	1312 / 1322	"	4.1	2.69	1.53	9.33	4.1		.6	8	0	"
1740	6/25	1350 / 1400	"	4.1	2.74	1.28	9.37	3.5		.6	7	0	"
1741	7/2	1430 / 1440	"	4.1	2.67	1.80	9.44	4.8		.6	7	0	"
1742	7/9	1400 / 1408	"	4.0	2.57	1.71	9.47	4.4		.6	7	0	"
1743	7/16	1332 / 1345	"	4.0	2.52	1.67	9.49	4.2		.6	7	0	"
1744	7/23	1336 / 1344	ROY-HYDE	4.0	2.61	1.60	9.53	4.2		.6	7	0	"
1745	7/30	1358 / 1408	HYDE	4.0	2.48	1.73	9.53	4.3		.6	7	0	"
1746	8/6	1150 / 1205	ROY	8.0	3.73	1.29	9.58	4.8		.6	10	0	"
1747	8/13	1413 / 1430	HYDE	7.6	4.10	1.12	9.60	4.6		.6	13	-.01	"
1748	8/20	1345 / 1400	"	7.0	4.07	1.28	9.61	5.2		.6	10	0	"
1749	8/25	1225 / 1246	WALTON-BOWMAN	6.5	3.80	1.30	9.59	4.9		.5 .6	9	0	"
1750	8/25	1300 / 1320	BOWMAN-WALTON	5.9	3.60	1.25	9.59	4.5		.6	9	0	"
1751	8/27	1358 / 1425	HYDE	8.0	5.03	0.99	9.58	5.0		.6	17	0	"
1752	9/3	1500 / 1518	"	6.5	3.95	1.15	9.56	4.5		.6	14	0	"
1753	9/10	1404 / 1422	"	6.4	3.65	1.10	9.56	4.0		.6	14	0	"
1754	9/17	0835 / 0855	"	7.0	4.30	1.23	9.59	5.3		.6	15	0	"
1755	9/24	0820 / 0840	"	6.9	4.10	1.27	9.56	5.2		.6	14	0	"

76D74M Cib 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F213-R

Daily discharge, in second-feet of BIG TUJUNGA CREEK above Gold Canyon for the year ending September 30, 1959

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	a 6.3	2.1	1.0	3.5	27	45	390	304	12	5.0	3.6	5.3
2	6.3	2.1	1.0	3.0	27	44	385	295	8.5	5.0	3.8	5.6
3	6.2	3.5	1.0	3.0	177	42	1070	286	8.5	5.0	3.8	5.9
4	6.1	2.1	1.1	2.8	760	40	1190	276	7.8	5.0	3.8	5.6
5	6.0	1.8	7.3	2.6	744	38	777	244	7.8	5.0	4.0	5.3
6	5.9	1.7	3.9	2.6	371	44	528	132	7.8	5.0	4.4	4.7
7	a 5.8	1.5	2.6	2.6	82	45	481	65	7.4	4.7	4.4	4.2
8	5.8	1.5	2.1	2.1	74	53	400	58	7.1	4.4	4.4	4.2
9	5.8	1.5	2.0	2.0	68	53	235	54	7.1	4.2	4.4	4.2
10	5.3	1.5	1.8	2.1	65	56	220	53	7.1	4.2	4.4	4.2
11	7.7	1.5	1.5	2.0	62	56	212	51	7.1	4.2	4.4	4.2
12	6.8	1.5	1.5	2.0	51	42	205	49	7.1	4.2	4.4	4.2
13	6.3	1.5	1.5	2.0	43	33	197	46	5.9	4.7	4.7	4.2
14	6.8	1.5	1.5	1.8	24	35	190	44	5.6	5.0	4.4	4.2
15	5.8	1.5	31	1.8	20	63	167	42	5.3	5.3	5.3	4.2
16	4.9	1.0	50	1.8	18	294	139	40	5.3	5.3	5.6	4.2
17	5.3	1.0	44	1.8	18	195	133	39	5.0	5.6	5.3	4.2
18	5.3	1.0	37	2.0	18	180	130	37	4.7	5.6	5.3	4.2
19	5.3	1.0	29	2.0	199	180	117	36	4.4	5.6	5.6	4.0
20	5.3	0.8	27	2.0	213	188	110	34	4.4	5.6	5.0	4.2
21	5.3	0.8	25	2.0	166	199	99	31	4.4	5.6	4.7	4.2
22	5.3	1.0	25	2.0	42	197	77	29	4.4	5.6	4.7	4.7
23	4.4	1.1	23	2.0	40	150	62	29	4.4	5.6	4.7	5.9
24	4.2	1.1	12	2.0	42	126	33	29	5.3	5.3	4.7	5.9
25	4.2	1.1	9.8	2.9	93	130	29	29	5.6	5.0	4.7	5.6
26	4.2	1.1	9.1	61	106	130	95	28	5.6	5.0	4.7	5.6
27	3.9	1.0	8.6	34	82	153	196	28	5.3	4.4	4.7	4.7
28	3.9	1.0	8.6	32	47	114	277	27	5.0	4.0	4.7	4.4
29	4.2	1.0	8.2	29		110	269	26	5.3	3.6	5.0	4.4
30	3.7	1.0	7.7	28		110	295	20	5.0	3.4	5.6	4.4
31	2.6		4.2	27		110		16		3.4	5.3	
		41.8		267.4		3255.0		2477.0		149.5		140.8
	164.9		389.0		3679.0		8708.0		186.2		144.5	
MEAN	5.3	1.39	12.5	8.63	131.4	105.	290.	79.9	6.21	4.82	4.66	4.69
ACRE-FEET	327.	83.	772.	530.	7300.	6460.	17,300.	4910.	369.	297.	287.	279.

Remarks:

YEAR OR PERIOD MEAN 53.7
ACRE-FEET 38,910.

160T4M C(b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

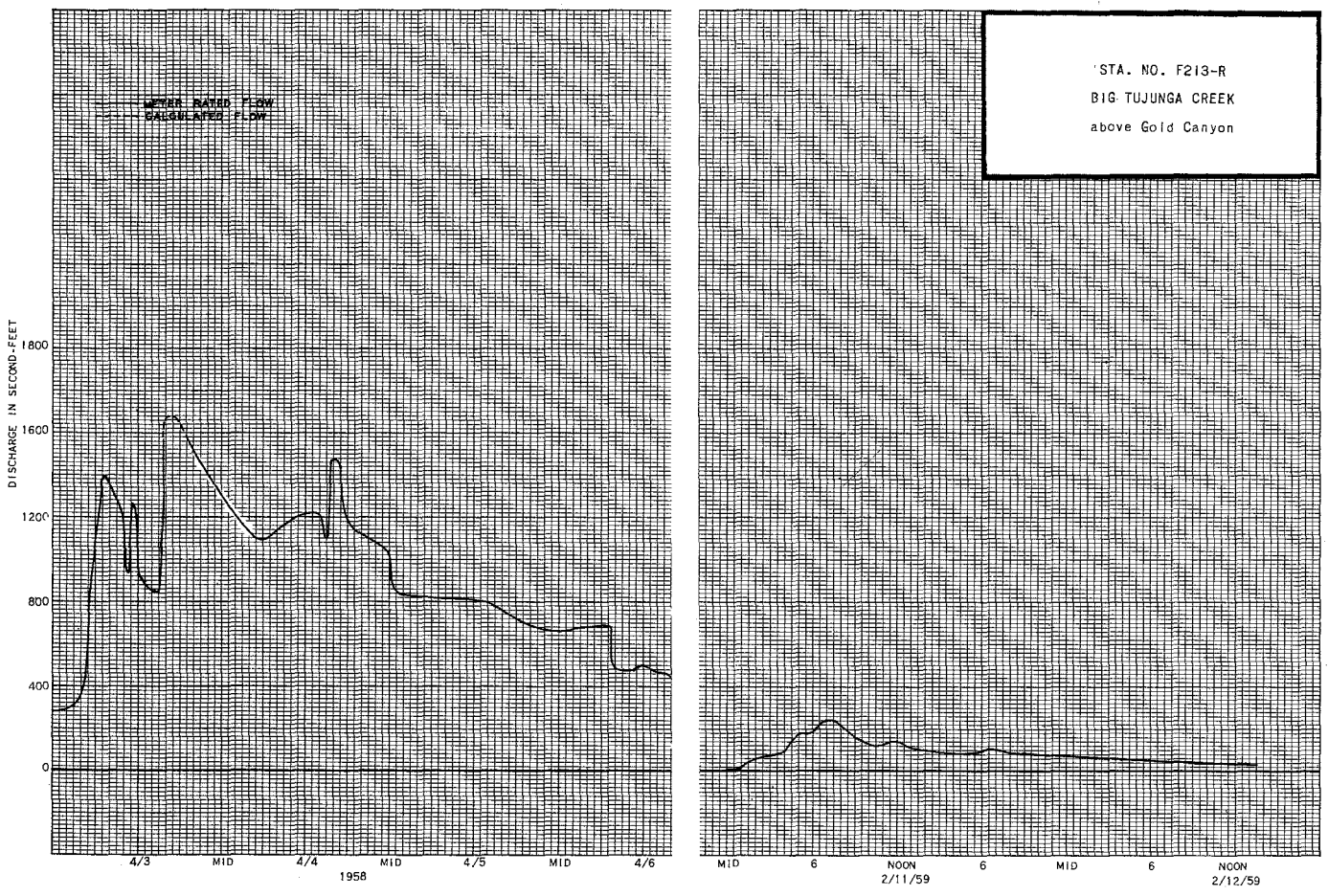
Sta. No. F 213-R

Daily discharge, in second-feet of BIG TUJUNGA CREEK above Gold Canyon, for the year ending September 30, 1959

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4.4	3.4	5.0	3.4	2.6	6.8	3.0	2.4	4.2	3.8	4.2	4.4
2	4.4	3.4	4.7	3.4	2.6	6.5	2.8	3.4	4.0	4.7	4.0	4.4
3	4.4	3.6	4.4	3.4	2.4	6.2	2.8	3.4	3.8	4.7	4.2	4.4
4	4.4	3.2	4.4	3.4	2.2	5.6	3.0	3.4	3.6	4.7	4.2	4.7
5	4.2	2.6	5.0	3.9	2.2	5.6	3.0	3.6	3.4	4.7	4.2	4.7
6	4.2	2.6	5.0	37.	2.2	5.6	3.0	3.6	3.8	4.7	4.2	4.4
7	4.4	2.6	5.0	8.5	2.2	5.3	3.0	3.6	3.8	4.7	4.2	4.2
8	4.2	2.8	4.7	6.5	5.9	4.7	3.0	3.8	3.6	4.7	4.2	4.2
9	4.0	3.2	4.7	5.9	6.5	4.7	2.8	3.8	3.6	4.7	4.0	4.2
10	3.6	3.8	4.7	5.6	6.2	4.7	2.8	3.8	3.6	4.7	4.4	4.0
11	3.6	4.4	4.7	5.3	113	4.4	2.2	3.8	3.4	4.7	4.7	4.2
12	3.4	4.7	4.2	4.7	44	4.4	2.2	3.8	3.4	4.4	4.7	4.7
13	3.0	4.7	3.2	4.0	23	4.2	2.4	3.8	3.6	4.2	4.7	4.7
14	3.8	5.0	3.2	3.4	23	4.0	2.6	3.8	3.6	4.2	4.7	5.0
15	3.6	5.0	3.8	2.8	20	3.6	2.6	4.0	3.2	4.2	5.0	4.7
16	2.8	5.0	4.2	2.6	93	3.2	2.6	4.0	3.6	4.2	5.0	5.0
17	1.8	5.0	4.2	2.6	130	3.0	2.6	4.2	3.8	4.2	5.0	5.0
18	2.1	5.0	4.2	2.6	133	3.0	2.4	4.2	3.8	4.2	5.0	4.7
19	2.8	5.0	3.8	2.4	96	3.0	2.4	4.2	4.0	4.2	5.0	4.4
20	3.4	5.0	3.6	2.4	38	3.0	2.2	4.2	4.0	4.2	5.0	4.2
21	3.4	5.0	3.6	2.4	43	3.0	2.1	4.4	3.8	4.2	4.7	4.4
22	3.6	4.7	3.4	2.4	41	3.0	1.8	4.7	3.6	4.2	4.4	4.7
23	3.8	4.7	3.4	2.4	31	3.0	1.8	4.7	3.2	4.2	4.7	4.7
24	4.2	4.7	3.4	2.4	20	3.0	1.9	5.0	3.2	4.0	5.0	4.7
25	4.2	4.4	3.4	2.6	19	3.0	2.8	5.0	3.4	4.0	5.0	4.4
26	4.2	4.4	3.4	2.8	18	3.0	3.6	5.6	3.6	4.0	5.0	4.4
27	4.0	4.4	3.6	2.8	17	3.0	2.6	5.6	3.8	4.2	5.0	4.4
28	3.6	4.4	3.4	2.8	7.8	3.2	2.2	5.6	3.8	4.2	5.0	4.4
29	3.4	4.4	3.2	2.8		3.4	2.1	5.3	3.4	4.2	4.4	4.4
30	3.4	4.7	3.4	2.8		3.4	2.1	4.7	3.4	4.2	4.4	4.7
31	3.2		3.4	2.8		3.4		4.4		4.2	4.4	
	113.5		124.3		944.8		76.4		109.0		142.6	
		125.8		142.8		125.9		129.8		134.4		135.4
MEAN	3.66	4.19	4.01	4.61	33.7	4.06	2.55	4.19	3.63	4.34	4.60	4.51
ACRE-FEET	225.	250.	247.	283.	1870.	250.	152.	257.	216.	267.	283.	269.

Remarks:

YEAR OR PERIOD MEAN 6.31
ACRE-FEET 4570.



STATION E20C-R
TUJUNGA WASH above Glenoaks Boulevard

LOCATION: WATER STAGE RECORDER, LAT. 34°15'10" , LONG. 118°23'20" ON LEFT (EAST) BANK OF OUTLET CHANNEL OF HANSEN DAM 0.1 MILE ABOVE GLEN OAKS BOULEVARD. ALTITUDE OF GAGE 943.32 FEET.

DRAINAGE AREA: 148. SQUARE MILES.

RECORDS AVAILABLE: OCTOBER 1949 TO SEPTEMBER 1959. APRIL 1932 TO SEPTEMBER 1940 (FRAGMENTARY).

EXTREMES:
1957-58
MAXIMUM DISCHARGE 1700 SECOND-FEET APRIL 3, (GAGE HEIGHT 2.80 FEET.)
MINIMUM DAILY DISCHARGE, NO FLOW DURING SEVERAL MONTHS.

1958-59
MAXIMUM DISCHARGE 16 SECOND-FEET JANUARY 6. (GAGE HEIGHT, 1.08 FEET.)
MINIMUM DAILY DISCHARGE, NO FLOW DURING MOST OF YEAR.

1940-59
MAXIMUM DISCHARGE ABOUT 3000 SECOND-FEET JANUARY 24, 25, 1952. NO FLOW DURING PARTS OF EACH YEAR.

REMARKS: RECORDS FAIR. FLOW REGULATED BY BIG TUJUNGA FLOOD-CONTROL RESERVOIR (CAPACITY 4100 ACRE-FEET) AND BY HANSEN FLOOD-CONTROL RESERVOIR (CAPACITY 32,000 ACRE-FEET) SEVERAL SMALL DIVERSIONS ABOVE STATION FOR DOMESTIC USE AND IRRIGATION. WATER DIVERTED FROM OUTLET CHANNEL UPSTREAM FROM GAGE TO SPREADING GROUNDS, SOME OF WHICH, IN PAST YEARS, WAS RETURNED TO CHANNEL DOWNSTREAM FROM GAGE.

COOPERATION: RECORDS FURNISHED BY CORPS OF ENGINEERS, DEPARTMENT OF THE ARMY, AND THE UNITED STATES GEOLOGICAL SURVEY, WATER RESOURCES BRANCH.

DISCHARGE MEASUREMENTS OF TUJUNGA WASH

AT NEAR above Glenoaks Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 1958

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
141	2/3		U.S.G.S.				1.00	1.10		EST.		0	
142	2/14		"				0.99	0.5		EST.		0	
143	2/27		"					0.4		EST.		0	
144	4/1		"				1.00	0.1		EST.		0	
145	4/3		U.S. C. OF E.	60.0	75.5	12.49	2.28	943.			15	+.01	
146	4/3		" "	60.0	75.5	12.24	2.29	924.			15		
147	4/4		U.S.G.S.	60.2	96.3	15.68	2.65	1510.		SURF	16	0	
148	4/7		"	60.2	48.4	10.25	1.77	496.		SURF	21	0	
149	4/15		"	60.2	24.2	5.37	1.29	130.		.5	21	-.01	
150	5/28		"	60.2	11.5	2.46	1.14	28.3		.5	21	+.03	
151	6/3		"	60.0	11.8	1.62	1.11	19.1		.5	31	0	

76D74M C/b 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. E20C-R

Daily discharge, in second-feet of TUJUNGA WASH above Glenoaks Boulevard, for the year ending September 30, 1958

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	5.3	0	7.4	0	0	0
2	0	0.2	0	0	0.1	0.4	85	0	15	0	0	0
3	0	0	0	0	1.6	0	948	0	18	0	0	0
4	0	0	0	0	1.6	0	1510	0	13	0	0	0
5	0	0	0.3	0	0	0	1160	0	11	0	0	0
6	0	0	0	0	0	0	725	0	12	0	0	0
7	0	0	0	0	0	0	500	0	19	0	0	0
8	0	0	0	0	0	0	364	0	18	0	0	0
9	0	0	0	0	0	0	128	0	17	0	0	0
10	0	0	0	0	1.0	0	133	0	17	0	0	0
11	0	0	0	0	0.3	0	133	0	21	0	0	0
12	0	0	0	0	0.3	0	133	0	21	0	0	0
13	0	0	0	0	0	0.1	117	0	21	0	0	0
14	0	0	0	0	0.3	0	91	0	14	0	0	0
15	0	0	0.4	0	0.3	0	66	0	14	0	0	0
16	0	0	0.2	0	0.3	0	4.4	14	4	0	0	0
17	0	0	0.4	0	0.3	0	0.9	27	0	0	0	0
18	0	0	0	0	0.3	0	2.3	27	0	0	0	0
19	0	0	0	0	1.4	0	0	7.6	0	0	0	0
20	0	0	0	0	0.3	0.0	0	0	0	0	0	0
21	0	0	0	0	0	0.1	0	0	0	0	0	0
22	0	0	0	0	0	1.6	0	7	0	0	0	0
23	0	0	0	0	0	0.2	0	17	0	0	0	0
24	0	0	0	0	0.4	0	0	27	0	0	0	0
25	0	0	0	0.2	0.8	0	0	27	0	0	0	0
26	0	0	0	0.2	0.4	0	0	11	0	0	0	0
27	0	0	0	0	0.4	0.1	0	0	0	0	0	0
28	0	0	0	0	0.1	0	0	15	0	0	0	0
29	0	0	0	0		0	0	17	0	0	0	0
30	0	0	0	0		0	0	9.3	0	0	0	0
31	0		0	0		0		7.4		0	0	
	0		13		102		6105.9		242.4		0	
		0.2		0.4		2.5		2133		0		0
MEAN	0	0.01	0.04	0.01	0.36	0.08	204.	6.88	8.08	0	0	0
ACRE-FEET	0	0.4	2.6	0.8	20.	5.0	12,110.	423.	481.	0	0	0

Remarks:

YEAR OR PERIOD MEAN 18.0
ACRE-FEET 13,040.

74D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. E20C-R

Daily discharge, in second-feet of TUJUNGA CREEK above Glenoaks Boulevard, for the year ending September 30, 19 59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	1.0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0.2	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0.5	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0.2	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0.1	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0.1	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0.2	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0		0	0	0	0	0	0	0
30	0	0	0	0		0	0	0	0	0	0	0
31	0		0	0		0		0		0	0	
	0.1	0	0	1.0	1.1	0	0.1	0	0	0	0	0
MEAN	0.003	0	0	0.03	0.04	0	0.003	0	0	0	0	0
ACRE-FEET	0.2	0	0	2.0	2.2	0	0.2	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 0.006
ACRE-FEET 4.6

STATION F105R-R
TUJUNGA WASH below Moorpark Street

LOCATION: WATER-STAGE RECORDER, LAT. 34°08'58", LONG. 118°23'28", ON THE RIGHT (WEST) CHANNEL WALL, 1725 FEET ABOVE THE JUNCTION WITH THE LOS ANGELES RIVER. (THE FORMER STATION, F105-R, WAS LOCATED ON THE DOWNSTREAM SIDE OF THE MAGNOLIA AVENUE BRIDGE.) ELEVATION OF ZERO GAGE HEIGHT 577.78 FEET.

DRAINAGE AREA: 212 SQUARE MILES.

CHANNEL AND CONTROL: RECTANGULAR CONCRETE 70 FEET WIDE AND 14 TO 14.5 FEET DEEP. CHANNEL FORMS CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM MOORPARK STREET BRIDGE. A FOOTBRIDGE IS TO BE CONSTRUCTED AT STATION FOR HIGH FLOW MEASUREMENTS.

RECORDER: A STEVENS TYPE A-35 B RECORDER WAS IN SERVICE FROM OCTOBER 1, 1957 TO SEPTEMBER 30, 1959.

REGULATION: FLOW PARTIALLY REGULATED BY BIG TUJUNGA DAM, PACOIMA DAM, LOPEZ DEBRIS DAM, AND HANSEN DAM.

DIVERSIONS: SOME WATER DIVERTED FOR IRRIGATION NEAR MOUTH OF BIG TUJUNGA AND PACOIMA CANYONS AND FOR SPREADING AT MOUTH OF BIG TUJUNGA CANYON BELOW HANSEN DAM AND AT PACOIMA AND BRANFORD SPREADING GROUNDS.

RECORDS AVAILABLE: AUGUST 1930 TO FEBRUARY 17, 1938, OCTOBER 17, 1938 TO MARCH 24, 1949 AND MARCH 22, 1950 TO SEPTEMBER 30, 1959. NO RECORD AVAILABLE FROM MARCH 24, 1949 TO MARCH 22, 1950 DUE TO CHANNEL CONSTRUCTION.

EXTREMES OF DISCHARGE:
1957-58
MAXIMUM 2200 SECOND-FEET FEBRUARY 4.
MINIMUM NO FLOW PART OF YEAR.
1958-59
MAXIMUM 3670 SECOND-FEET JANUARY 6.
MINIMUM NO FLOW PART OF YEAR.
1930-59
MAXIMUM DISCHARGE NOT DETERMINED MARCH 2, 1938.
MAXIMUM DISCHARGE OF RECORD 3670 SECOND-FEET JANUARY 6, 1959.

MINIMUM NO FLOW.

REMARKS: PRIOR TO 1950, DRAINAGE AREA WAS INDETERMINATE DUE TO A NATURAL SPLIT WHICH DIVIDED TUJUNGA WASH INTO TWO BRANCHES. THE CENTRAL BRANCH NOW DRAINS LOCAL DRAINAGE AREA ONLY.

ACCURACY: GOOD, EXCEPT FOR LOW FLOWS.

OPERATION: LOCATED AND CONSTRUCTED BY THE CORPS OF ENGINEERS, DEPARTMENT OF THE ARMY. OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT IN COOPERATION WITH THE CORPS OF ENGINEERS, DEPARTMENT OF THE ARMY.

DISCHARGE MEASUREMENTS OF TUJUNGA WASH

~~AT~~ NEAR below Moorpark Street DURING THE YEAR ENDING SEPTEMBER 30, 1956

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATINGS	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
84	10/3	1110 / 1125	BOWMAN	6.0	1.80	1.61	0.03	2.9	.5	8	0		FC53
85	10/10	1147 / 1200	"	7.0	1.88	1.65	0.03	3.1	.5	9	0		"
86	10/14	1132 / 1140	BLAKELY-SALGADO	12.5	1.95	3.59	0.05	7.0	FLOATS	8	0		
87	10/17	1055 / 1110	ROY	10.0	1.93	1.66	0.03	3.2	.5	10	0		FC53
88	10/24	1355 / 1400	BOWMAN	8.0	1.06	2.45	0.01	2.6	FLOATS	5	0		
89	10/31	1130 / 1148	ROY	9.5	2.33	2.32	0.04	5.4	.5	11	0		FC53
90	10/31	1200 / 1211	"	19.0	4.00	1.25	0.04	5.0	.5	10	0		"
91	11/14	1040 / 1047	"	1.5	0.06	0.33	- 0.03	0.02	.5	4	0		"
92	11/21	1137 / 1143	WOOD-BLAKLEY	3.8	0.19	0.95	- 0.03	0.18	FLOATS	4	0		
93	11/27	0839 / 0849	WOOD	6.0	1.36	0.96	0.01	1.3	.5	11	0		FC53
94	12/5	0848 / 0952	WOOD-BOWMAN	10.0	0.89	5.96	0.04	5.3	FLOATS	6	0		
95	12/12	1103 / 1113	WOOD	8.0	1.61	1.18	0.01	1.9	.5	9	0		FC53
96	12/19	1234 / 1245	"	7.0	1.60	0.94	0.01	1.5	.5	8	0		"
97	12/26	1029 / 1141	"	8.0	1.39	0.79	0.01	1.1	.5	9	0		"
98	1/2	0914 / 0925	"	7.0	1.35	0.96	0.00	1.3	.5	8	0		"
99	1/9	1128 / 1140	"	9.5	1.97	1.02	0.01	2.0	.5	9	0		"
100	1/16	1029 / 1042	"	8.0	1.30	1.38	0.01	1.8	.5	10	0		"
101	1/23	1654 / 1707	WOOD-TWITTY	9.0	1.36	1.32	0.00	1.8	.5	10	0		"
102	1/30	1617 / 1628	WOOD	9.0	1.70	1.12	0.01	1.9	.5	9	0		FC57
103	2/6	0826 / 0838	WOOD-TWITTY	11.0	1.53	1.32	0.01	2.0	.5	10	0		FC53
104	2/13	1717 / 1728	WOOD	11.0	1.74	0.92	0.00	1.6	.5	10	0		"
105	2/19	0848 / 0850	WOOD-TWITTY	70.0	57.4	6.41	0.82	368.	FLOATS	5	0		
106	2/19	0908 / 0915	" "	70.0	62.0	7.16	0.88	444.	"	6	0		
107	2/20	0937 / 0947	" "	3.0	0.37	2.70	0.00	1.0	.5	7	0		FC53
108	2/27	0815 / 0823	WOOD	3.0	0.23	0.87	0.00	0.2	.5	6	0		"
109	3/6	1023 / 1033	"	14.0	3.19	4.24	0.07	13.5	.5	8	0		FC57
110	3/7	0841 / 0850	"	11.0	1.52	2.30	0.01	3.5	.5	7	0		FC53
111	3/13	0815 / 0823	"	10.0	1.48	2.30	0.02	3.4	.5	8	0		"
112	3/14	0849 / 0901	"	70.0	21.2	4.86	0.25	103.	.5	10	+.08 -.07		FC57
113	3/15	1425 / 1436	"	70.0	49.6	7.08	0.63	351.	.6	10	0		"
114	3/15	2321 / 2327	WOOD-TWITTY	70.0	56.7	8.08	0.70	457.	.6	8	0		"
115	3/17	1635 / 1647	WOOD	21.0	5.54	4.27	0.09	23.6	.5	9	0		FC34
116	3/20	0954 / 1007	"	18.0	4.30	1.02	0.02	4.4	.5	11	0		FC53
117	3/20	1832 / 1840	WOOD-TWITTY	70.0	27.4	5.44	0.33	149.	.5	8	0		FC57
118	3/28	0826 / 0838	WOOD	17.0	3.40	4.53	0.06	15.4	.5	9	0		"
119	4/1	1054 / 1101	WOOD-TWITTY	70.0	77.2	9.64	1.13	744.	.6	7	0		"
120	4 2	0911 / 0921	WOOD	24.0	7.28	6.40	0.13	46.4	.5	10	0		FC34
121	4/10	0959 / 1017	"	46.0	20.5	7.08	0.28	145.	.5 .6	14	0		FC57
122	4/16	0823 / 0830	"	14.0	3.19	2.60	0.05	8.3	.5	9	0		FC53
123	4/17	0819 / 0828	"	9.0	1.23	2.68	0.03	3.3	.5	8	0		"
124	4/24	0810 / 0825	"	28.0	8.22	2.48	0.08	20.4	.5	14	0		"
125	5/1	0857 / 0911	"	27.5	7.64	4.36	0.11	33.3	.5	13	0		FC57
126	5/8	0951 / 1005	"	70.0	14.5	3.40	0.17	44.2	.5	10	0		"
127	5/15	0907 / 0923	"	70.0	10.8	2.65	0.14	28.6	.5	14	0		FC53
128	5/22	0946 / 0958	"	70.0	9.12	2.63	0.09	23.9	.5	11	0		"
129	5/29	0850 / 0908	"	42.0	11.3	2.42	0.11	27.4	.5	14	0		FC57
130	6/5	1038 / 1051	WOOD	23.0	6.53	1.72	0.07	11.2	.5	12	0		FC57
131	6/12	0903 / 0916	"	21.0	7.85	1.85	0.07	14.5	.5	10	0		"
132	6/19	1005 / 1012	"	6.5	0.81	0.87	0.00	0.68	.5	7	0		FC53
133	6/26	0905 / 0920	"	8.0	2.38	1.52	0.03	3.6	.5	9	0		"
134	7/3	0854 / 0903	"	7.0	1.93	1.50	0.03	2.9	.5	8	0		"
135	7/10	0828 / 0839	"	8.5	2.03	1.63	0.02	3.3	.5	9	0		"
136	7/14	0914 / 0920	"	5.0	0.35	0.69	-0.02	0.24	.5	5	0		"
137	7/17	0849 / 0855	"	5.5	0.48	0.75	-0.01	0.36	.5	6	-.01		"
138	7/31	0932 / 0937	"	5.0	0.37	0.76	-0.03	0.28	.5	5	0		"
139	8/8	0926 / 0932	"	5.0	0.40	0.70	-0.02	0.28	.5	6	-.02		"
140	8/14	0835 / 0845	"	8.0	2.43	1.20	0.03	2.9	.5	9	0		"
141	8/21	1000 / 1011	"	12.0	2.36	1.35	0.05	3.2	.5	10	0		"
142	8/28	0838 / 0851	"	11.0	2.22	1.17	0.02	2.6	.5	10	0		"
143	9/4	1000 / 1012	"	12.0	2.39	1.12	0.02	2.7	.5	10	0		FC57
144	9/11	0932 / 0956	"	4.5	0.34	0.59	-0.00	0.2	.5	5	0		FC53
145	9/18	0958 / 1007	WALTER-WOOD	4.0	0.29	0.62	-0.03	0.18	.5	5	0		"
146	9/25	0930 / 0934	WOOD	4.0	0.22	0.46		0.10	.5	5	0		"

DISCHARGE MEASUREMENTS OF TUJUNGA WASH

~~AT~~ NEAR below Moorpark Street DURING THE YEAR ENDING SEPTEMBER 30, 1956

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATINGS	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
147	10/9	0955 / 1003	WOOD	9.0	1.66	1.08	0.01	1.8		.5	8	0	FC57
148	10/16	0928 / 0937	"	9.0	1.61	1.24	0.02	2.0		.5	8	0	"
149	11/26	0910 / 0917	"	5.0	0.36	0.67		0.24		.5	6	0	FC53
150	12/11	0940 / 0950	BOWMAN	4.0	0.26	0.54		0.14		.5	7	0	"
151	1/7	1130 / 1135	WOOD-WALTER	10.0	1.80	1.22	0.01	2.2		.5	6	0	FC57
152	1/8	0915 / 0920	WOOD	5.0	0.23	1.13		0.26		.5	6	0	FC53
153	1/29	0815 / 0819	"	4.0	0.26	0.34		0.09		.5	5	0	"
154	2/12	0958 / 1010	WALTER-WOOD	15.0	3.13	1.60	0.04	5.0		.5	8	0	FC57
155	2/17	0927 / 0938	WOOD-WALTER	12.0	1.94	1.34	0.01	2.6		.5	7	0	"
156	2/19	0907 / 0914	WOOD	7.0	0.67	2.69		1.8		.5	7	0	FC53
157	3/5	0940 / 0946	"	6.0	0.56	1.00		0.56		.5	6	0	"
158	3/19	0940 / 0944	"	2.5	0.12	0.42		0.05		.5	4	0	"
159	4/2	0953 / 0958	"	5.0	0.33	0.46		0.15		.5	6	0	"
160	4/16	0922 / 0927	"	4.0	0.37	0.51		0.19		.5	5	0	"
161	4/30	0932 / 0936	"	2.0	0.09	0.33		0.03		.5	5	0	"
162	6/25	1005 / 1012	PETERSEN-WOOD	5.0	0.43	0.70		0.30		.5	6	0	"
163	7/2	0915 / 0919	WOOD	4.0	0.31	0.55		0.17		.5	5	0	"
164	7/9	1010 / 1013	"	4.0	0.26	0.65		0.17		.5	5	0	"
165	7/16	0908 / 0914	"	4.0	0.22	0.64		0.14		.5	5	0	"
166	7/23	1032 / 1037	"	4.0	0.30	0.57		0.17		.5	5	0	"
167	7/30	0916 / 0920	"	4.0	0.18	0.39		0.07		.5	5	0	"
168	8/6	1025 / 1027	"	1.3	0.11	0.64		0.07		.5	4	0	FC57
169	9/10	0946 / 0947	"	1.5	0.13	0.84		0.11		.5	3	0	"
170	9/17	0858 / 0904	"	4.0	0.19	0.58		0.11		.5	5	0	FC53
171	9/24	0942 / 0945	"	4.0	0.16	0.50		0.08		.5	5	0	"

7-57 F4M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F105B-R

Daily discharge, in second-feet of TUJUNGA WASH below Moorpark Street for the year ending September 30, 1958

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	b 2.8	+	b 1.1	b 1.3	b 1.8	16.5	430	19.5	17.6	b 3.1	b 0.3	b 2.7
2	2.8	23	b 1.1	1.3	37	11.7	112	34	19.5	3.0	0.3	2.7
3	2.9	7.8	b 1.0	1.4	187	11.7	1260	30	19.5	2.9	0.3	2.7
4	2.9	+	4.8	1.5	282	11.2	1530	34	17.6	2.9	0.3	2.7
5	2.9	+	93	1.6	b 2.0	11.7	1410	38	13.6	3.0	0.3	0.4
6	3.0	+	b 5.3	1.7	2.0	10.8	1060	41	13.6	3.0	0.3	0.4
7	3.0	0	4.7	1.8	1.9	2.0	603	45	13.6	3.1	0.3	0.3
8	3.0	0	4.1	1.9	1.9	2.0	366	45	13.6	3.1	0.3	0.3
9	3.1	0	3.5	b 2.0	1.8	2.0	140	49	13.6	3.2	2.0	0.3
10	b 3.1	0	2.9	8.1	1.8	19.4	88	49	13.6	3.3	2.2	0.2
11	71	0	2.3	b 2.0	1.7	5.8	88	49	13.6	0.4	2.4	0.2
12	5.8	0	1.9	2.0	1.7	7.1	88	41	13.6	0.3	2.6	0.2
13	2.2	+	1.5	1.9	1.6	7.8	107	30	13.6	0.2	2.8	0.2
14	2.3	+	b 1.0	1.9	1.6	43	78	30	15.6	0.2	2.9	0.2
15	3.9	+	100	1.9	1.5	127	56	34	13.6	0.3	7.7	0.2
16	3.9	b 0.1	59	1.8	1.4	59	9.8	38	11.7	0.4	3.2	0.2
17	3.9	0.1	b 12.4	1.8	1.3	35	5.8	49	5.8	0.4	3.2	0.2
18	0.3	0.1	2.0	1.8	b 1.2	11.7	8.3	49	3.9	0.4	3.2	0.2
19	0.2	0.2	1.5	1.8	263	13.6	7.8	34	2.0	0.4	3.2	0.2
20	29	0.2	1.5	1.8	7.7	59	2.0	34	b 2.3	0.4	3.2	0.2
21	6.0	0.2	1.4	1.8	b 1.0	125	2.0	23	2.5	0.4	3.2	0.2
22	b 2.6	0.4	1.3	b 1.8	b 1.0	96	2.0	17.6	2.7	0.4	3.1	0.2
23	2.6	0.6	1.3	1.8	b 1.0	11.7	2.0	17.6	2.9	0.4	3.1	3.7
24	2.6	0.8	1.2	8.9	3.0	9.8	15.6	23	3.2	0.4	3.0	0.1
25	2.5	0.9	1.2	69	119	9.8	17.6	23	3.4	0.3	2.9	0.1
26	2.4	1.1	1.1	62	b 0.2	13.4	19.5	19.5	3.6	0.3	2.8	0.1
27	2.3	1.3	1.1	b 1.9	b 0.2	123	19.5	19.5	3.5	0.3	2.7	0.1
28	2.2	1.3	1.1	b 1.9	5.8	13.6	23	23	3.4	0.3	2.6	0.1
29	2.1	1.2	1.2	b 1.9		13.6	19.5	23	3.3	0.3	2.6	0.1
30	b 2.0	b 1.2	1.2	12.6		17.4	17.6	19.5	b 3.2	0.3	2.6	b 0.1
31	f 5.0		b 1.2	b 1.8		26		17.6		b 0.3	b 2.6	
		405		206.7		927.3		998.8		37.7		19.5
	224.8		317.9		933.1		7588.0		283.2		72.2	
MEAN	7.25	1.35	10.3	6.67	33.3	29.9	253.	32.2	9.44	1.22	2.33	0.65
ACRE-FEET	446.	80.	631.	410.	1850.	1840.	15,050.	1980.	562.	75.	143.	39.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 31.9
ACRE-FEET 23,110.

7-57 F4M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

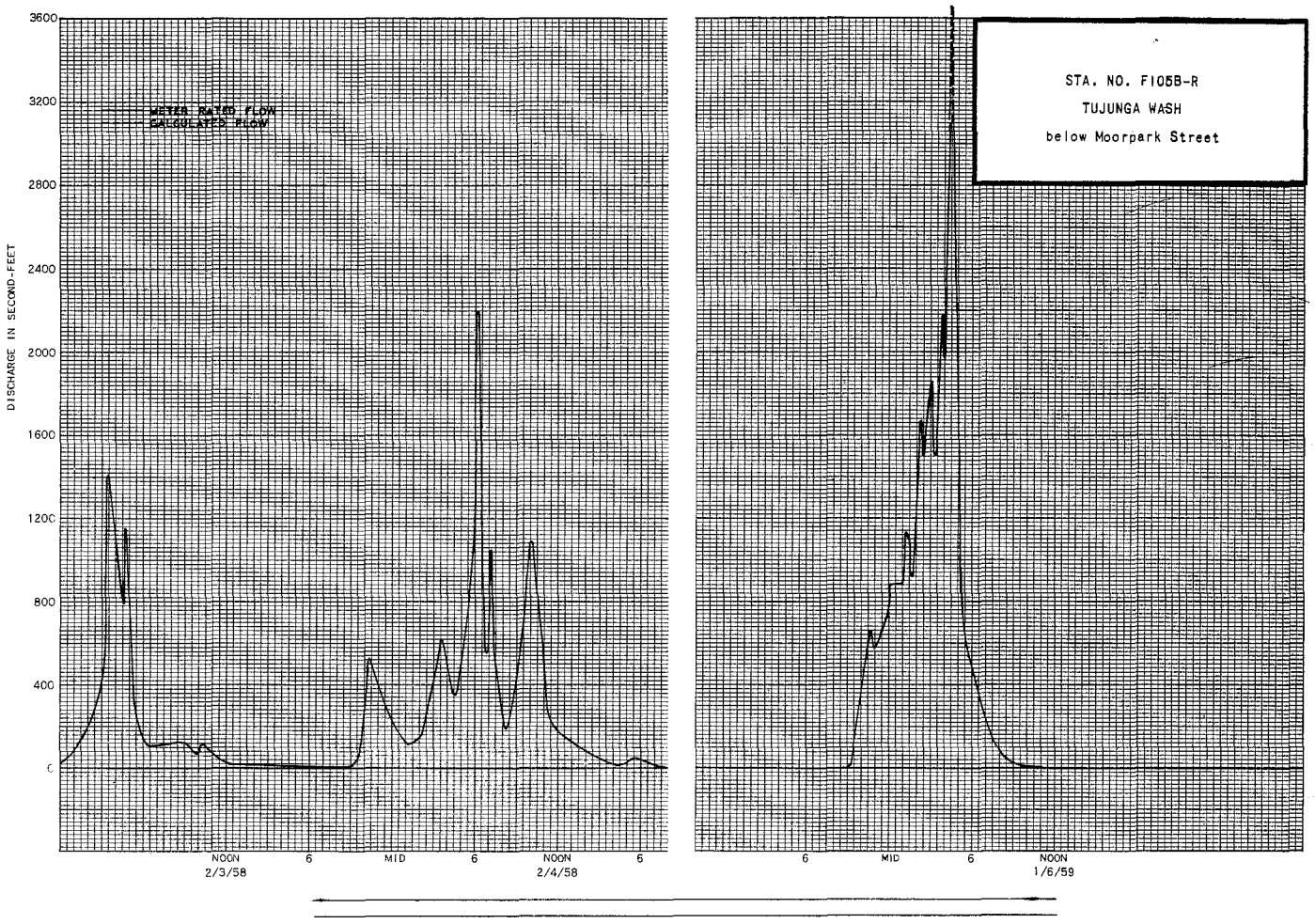
Sta. No. F106B-R

Daily discharge, in second-feet of TUJUNGA WASH below Moorpark Street for the year ending September 30, 1959

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	e 0.1	e +	e 0.2	0	e 0.1	e 0.1	0.2	+	+	0.2	0.1	+
2	0.1	+	0.2	0	0.1	0.1	0.2			0.2	0.1	
3	0.1	0.1	0.2	0	0.1	0.3	0.2			0.2	0.1	
4	0.5	0.1	0.2	0	0.2	e 0.5	0.2			0.2	0.1	
5	0.8	0.1	0.2	56	0.2	0.6	0.2			0.2	0.1	
6	1.1	0.1	0.2	396	0.2	e 0.5	0.1			0.2	0.1	+
7	1.5	0.1	0.1	e 2.0	e 1.0	0.3	0.1			0.2	0.1	0.1
8	e 1.7	0.1	0.1	0.8	77	0.1	0.1			0.2	0.1	0.1
9	1.8	0.1	0.1	0.2	e 0.1	0.1	e 0.1			0.2	0.1	0.1
10	e 1.8	0.5	e 0.1	0.2	e 2.0	0.1	0.1			0.2	0.1	0.1
11	1.8	0.1	0.1	0.2	142	0.1	0.1			0.2	0.1	0.1
12	1.9	0.1	e 0.1	0.2	e 4.0	0.1	0.1			0.2	0.1	0.1
13	1.9	0.1	0.1	0.2	e 2.0	0.1	0.2			0.1	0.1	0.1
14	2.0	0.1	0.1	0.2	e 1.0	0.1	0.2			0.1	0.1	0.1
15	e 2.0	0.1	+	0.2	6.0	0.1	0.2			0.1	+	0.1
16	2.0	+		0.2	92	0.1	0.2			0.1		0.1
17	e 1.5			0.2	e 2.0	0.1	0.2			0.1		0.1
18	1.0			0.2	10	e 0.1	0.2			0.1		0.1
19	0.5			0.2	e 2.0	0.1	0.1			0.2		0.1
20	0.4			0.2	e 1.5	e 0.1	0.1		+	0.2		0.1
21	0.3	+	+	0.2	79	0.1	0.1		0.1	0.2		0.1
22	0.2	0.1		0.2	e 1.8	0.1	+		0.1	0.2		0.1
23	0.1	0.1	0.1	0.2	1.0	0.1	+		0.2	0.2		0.1
24	2.0	0.2	0.1	0.2	0.5	0.1	+		0.2	0.2		0.1
25	0.5	e 0.2	0.1	0.2	0.1	0.1	35		0.3	0.2		0.1
26	0.3	0.2	0.1	0.1	0.1	0.1	11		0.3	0.2		0.1
27	0.1	e 0.2	0.1	e 0.1	0.1	0.1	+		0.3	0.1		0.1
28	+	0.2	0.1	e 0.1	e 0.1	0.1			0.3	0.1		0.1
29		0.2	+	e 0.1		0.2			0.2	0.1		0.1
30		e 0.2	+	e 0.1		0.2			0.2	0.1		7.9
31	e +		e +	e 0.1		e 0.2		+		0.1	+	
	28.0		2.6	426.2		49.2			2.2		1.4	
		3.3		458.8		5.1		+		5.1		10.2
MEAN	0.90	0.11	0.08	14.8	15.2	0.16	1.64	+	0.07	0.16	0.05	0.34
ACRE-FEET	56.	6.5	5.2	910.	845.	10.	98.	+	4.4	10.	2.8	20.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 2.72
ACRE-FEET 1970.



STATION F106-R
TUJUNGA WASH-CENTRAL BRANCH at Magnolia Boulevard

LOCATION: WATER-STAGE RECORDER, LAT. 34°09'53", LONG. 118°22'53", ON THE DOWNSTREAM SIDE OF MAGNOLIA BOULEVARD BRIDGE IN NORTH HOLLYWOOD. ELEVATION OF ZERO GAGE HEIGHT, 613.87 FEET.

DRAINAGE AREA: 6.86 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - BOTTOM SAND, LEVEES PARTIALLY PROTECTED BY PIPE AND WIRE. NO ARTIFICIAL CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING NEAR GAGE, HIGH FLOWS MEASURED FROM HIGHWAY BRIDGE.

RECORDER: AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1957 TO SEPTEMBER 30, 1959.

REGULATIONS AND/OR DIVERSIONS: NONE SINCE 1950.

RECORDS AVAILABLE:
AT STATION F106B-R
MARCH 20, 1936 TO JULY 29, 1936.
SEPTEMBER 25, 1939 TO NOVEMBER 11, 1941.
AT STATION F106-R
AUGUST 1930 TO MARCH 18, 1936.
AUGUST 20, 1936 TO MARCH 2, 1938.
NOVEMBER 24, 1941 TO SEPTEMBER 30, 1959.

EXTREMES OF DISCHARGE:
1957-58
MAXIMUM 430 SECOND-FEET FEBRUARY 3.
MINIMUM NO FLOW MOST OF YEAR.
1958-59
MAXIMUM 653 SECOND-FEET JANUARY 6.
MINIMUM NO FLOW MOST OF YEAR
1930-59
MAXIMUM DISCHARGE NOT DETERMINED MARCH 2, 1938.
MAXIMUM DISCHARGE OF RECORD 3110 SECOND-FEET JANUARY 1, 1934.
MINIMUM NO FLOW MOST OF EACH YEAR.
1950-59
MAXIMUM 333 SECOND-FEET NOVEMBER 15, 1952.
MINIMUM NO FLOW MOST OF EACH YEAR.

ACCURACY: FAIR, DISCHARGE GAGE HEIGHT RELATION UNRELIABLE AT TIMES.

REMARKS: STATION DISCONTINUED SEPTEMBER 1959.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF TUJUNGA WASH - CENTRAL BRANCH

AT NEAR Magnolia Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 1958

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATINGS	METHOD	MEAS. SEC. NO.	D. HT. CHANGE TOTAL	METER NO.
197	12/5	0122 / 0131	BLAKELY-BOWMAN	40.5	25.5	3.74	4.28	95.3		.6	11	0	FC24
198	12/15	0905 / 0915	WOOD-BLAKELY	24.0	8.81	2.89	3.86	25.5		.6 / .5	10	-.04	FC57
199	12/15	1135 / 1145	" "	26.0	11.2	3.16	3.94	35.4		.5 / .6	12	-.01	"
200	12/15	2018 / 2026	" "	16.5	5.91	2.30	3.74	13.6		.5	8	-.01	FC34
201	1/25	2157 / 2207	WOOD-TWITTY	30.0	14.4	3.24	4.04	46.7		.6	10	-.07	FC57
202	1/26	0027 / 0040	" "	27.0	12.4	3.01	3.99	37.3		.6	9	-.04	"
203	1/30	0817 / 0826	WOOD	18.0	4.65	1.53	3.72	7.1		.5	6	-.04	"
204	2/2	1843 / 1856	"	30.0	18.9	3.38	4.14	63.9		.6	9	+.03	"
205	2/2	1924 / 1934	WOOD-TWITTY	29.0	16.2	2.88	4.10	46.7		.6	9	-.13	"
206	2/3	0116 / 0123	" "	16.5	5.80	2.86	3.78	16.6		.5 / .6	9	-.10	"
207	2/4	1347 / 1358	" "	26.5	7.87	2.01	3.83	15.8		.5 / .6	11	-.04	FC34
208	2/19	0704 / 0722	" "	36.5	28.7	4.46	4.30	128.		.6	13	-.04	"
209	2/19	0734 / 0744	" "	36.0	26.8	4.43	4.20	117.		.6	12	-.04	"
210	2/25	0738 / 0754	WOOD	27.5	9.72	2.42	3.70	23.5		.5	11	-.13	FC57
211	3/14	0803 / 0812	"	18.0	2.16	0.70	3.35	1.5		.5	11	0	FC53
212	3/15	1240 / 1243	"	26.0	12.1	2.90	3.74	35.1		.5 / .6	11	+.05	FC57
213	3/15	1534 / 1541	WOOD-TWITTY	25.0	11.2	3.10	3.70	34.7		.6	11	0	"
214	3/15	1951 / 1958	" "	24.0	5.89	1.63	3.47	9.6		.5	8	0	"
215	3/15	2041 / 2051	" "	23.8	13.3	3.27	3.81	43.5		.5 / .6	12	+.08	"
216	3/15	2058 / 2108	" "	23.0	15.3	3.62	3.86	55.5		.6	13	+.03	"
217	3/20	1924 / 1930	" "	28.0	15.4	3.49	3.88	53.7		.6	10	-.01	"
218	3/22	0056 / 0102	BLAKELY-TWITTY	26.5	20.3	3.83	3.85	77.8		.6	10	-.02	"
219	3/27	1000 / 1007	WOOD	29.0	28.2	5.07	4.13	143.		.6	7	0	"
220	4/1	0834 / 0839	WOOD-TWITTY	28.0	17.8	3.94	3.76	70.1		.6	8	-.02	FC57
221	4/3	0216 / 0221	WOOD	24.0	9.60	2.87	3.39	27.6		.5	7	+.01	FC34
222	4/3	0417 / 0422	WOOD-TWITTY	26.0	18.8	3.86	3.70	72.6		.6	8	+.02	"
223	4/6	1117 / 1122	" "	31.0	25.8	3.88	3.89	110.		.6	9	-.02	"
224	4/7	0040 / 0049	" "	31.0	28.0	4.50	3.88	126.		.6	9	-.02	"
225	4/7	1041 / 1046	" "	22.0	8.18	2.52	3.18	20.6		.5	8	0	"

DISCHARGE MEASUREMENTS OF TUJUNGA WASH - CENTRAL BRANCH

AT NEAR Magnolia Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 1959

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATINGS	METHOD	MEAS. SEC. NO.	D. HT. CHANGE TOTAL	METER NO.
226	1/6	0030 / 0040	WOOD-WALTER	39.0	35.2	4.40	4.17	155.		.6	11	-.01	FC57
227	2/8	1209 / 1219	WALTER-WOOD	54.0	25.9	3.32	4.18	86.0		.5 / .6	11	-.01	"
228	2/11	0028 / 0033	WOOD-WALTER	47.0	23.0	3.34	4.12	76.8		.5 / .6	9	+.02	"
229	2/11	0613 / 0619	" "	52.0	34.3	4.43	4.37	152.		.6	10	-.06	"
230	2/11	1050 / 1057	" "	54.0	21.4	2.84	4.11	61.0		.5	12	-.02	"
231	2/16	0851 / 0902	WALTER-WOOD	28.0	8.15	2.54	3.89	20.7		.5	10	0	"
232	2/16	1252 / 1259	WOOD-WALTER	50.0	26.3	4.26	4.24	112.		.5 / .6	14	-.03	"
233	2/21	0949 / 0954	WALTER-WOOD	24.0	16.7	5.29	3.82	88.3		.6	8	-.01	"

76DT4M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F106-R

Daily discharge, in second-feet of TUJUNGA WASH - CENTRAL BRANCH at Magnolia Boulevard, for the year ending September 30, 1958

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	48	0	0			
2	0	3.6	0	0	8.2	0	0.6	0	0			
3	0	1.4	0	0	6.2	0	30	0	0			
4	0	0	1.7	0	45	0	1.8	0	0			
5	0	0	18	0	0.2	0	0	0	0			0
6	0	0	0	0	0	+	15	0				0
7	0	0	0	0	0	0	23	0				0
8	0	0	0	0	0.5	0	0	0				0
9	0	0	0	0	0	0	0	0				0
10	0	0	0	+	0	3.8	0	0				0
11	24	0	0	0	0	29	0	0				0
12	0	0	0	0	0	7.9	0	0				0
13	7.0	0	0	0	0	0	0	0	STOPPED FOR SUMMER			0
14	7.1	0	0	0	0	1.3	0	0				0
15	0	0	23	0	0	21	0	0				0
16	0	0	10	0	0	17	0	0				0
17	0	0	8.1	0	0	3.8	0	0				0
18	0	0	0	0	0	0	0	0				0
19	0	0	0	0	52	0	0	0				0
20	3.8	0	0	0	0	7.4	0	0				0
21	13	0	0	0	0	13	0	0				0
22	0	0	0	0	0	13	0	0				0
23	0	0	0	0	0	0	0	0				0
24	0	0	0	0.2	0	0	0	0				0
25	0	0	0	18	13	0	0	0				0
26	0	0	0	7.8	0	0	0	0				0
27	0	0	0	0	0	13	0	0				0
28	0	0	0	0	0	0	0	0				0
29	0	0	0	0		0	0	0				0
30	0	0	0	1.3		0	0	0				0
31	2.1		0	0		+		0				
		5.0		273		1041		0		0		0
	453		60.8		1809		1184		0		0	
MEAN	1.46	0.17	1.96	0.88	6.46	3.36	3.95	0	0	0	0	0
ACRE-FEET	90.	10.	121.	54.	359.	206.	235.	0	0	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 1.48
ACRE-FEET 1080.

SD74M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F106-R

Daily discharge, in second-feet of TUJUNGA WASH - CENTRAL BRANCH Magnolia Boulevard for the year ending September 30, 1959

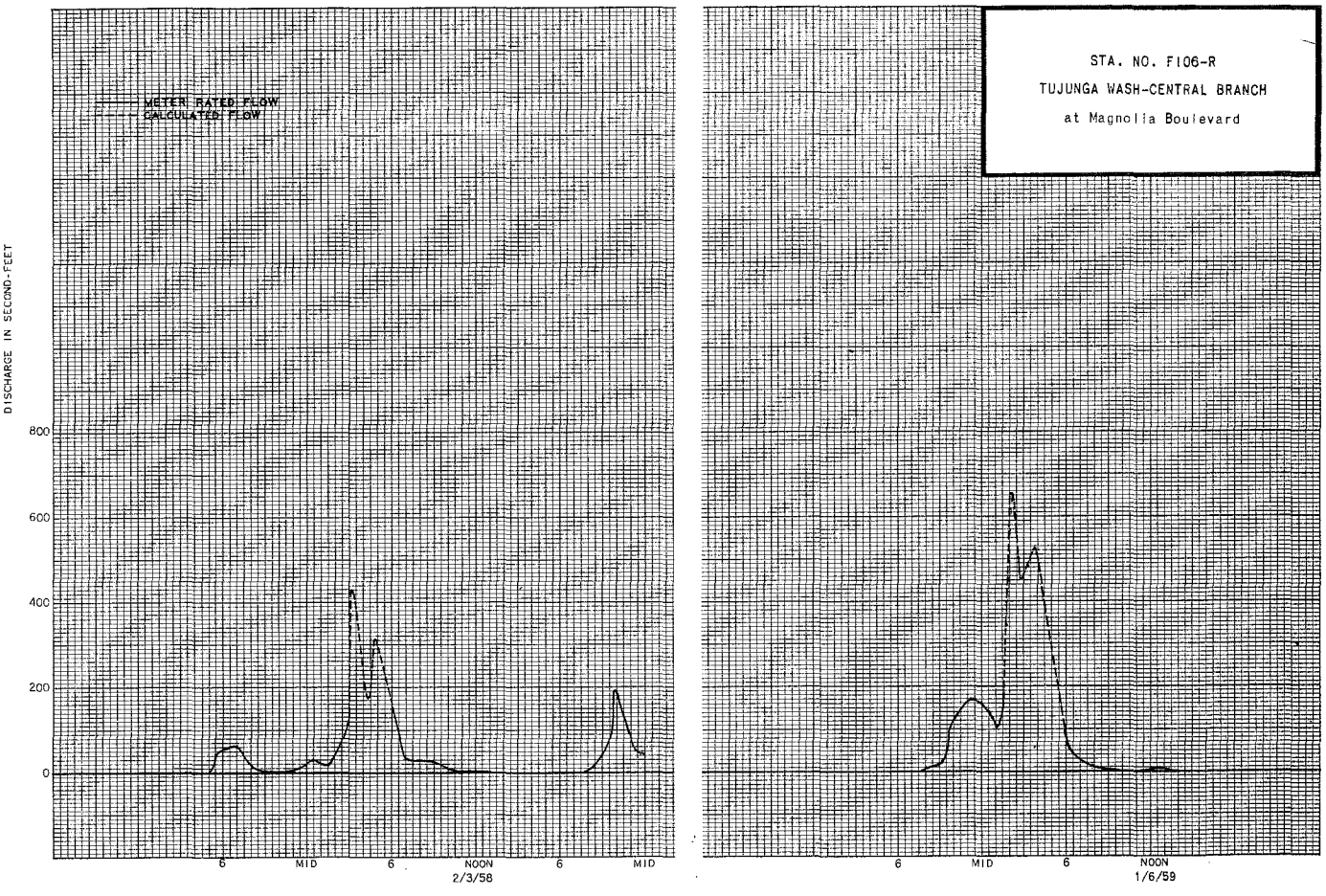
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	0				
2	0	0	0	0	0	0	0	0				
3	0	0	0	0	0	0	0	0				
4	0	0	0	0	0	0	0	0				
5	0	0	0	16	0	0	0	0				
6	0	0	0	87	0	0	0	0				
7	0	0	0	0	34	0	0	0				
8	0	0	0	0	23	0	0	0				
9	0	0	0	0	0	0	0	0				
10	0	0	0	0	0.9	0	0	0				
11	0	0	0	0	48	0	0	0				
12	0	0	0	0	0.2	0	0	0				
13	0	0	0	0	0	0	0	0				
14	0	0	0	0	0	0	0	0				
15	0	0	0	0	3.0	0	0					
16	0	0	0	0	29	0	0					
17	0	0	0	0	0	0	0					
18	0	0	0	0	+	0	0					
19	0	0	0	0	0	0	0					
20	0	0	0	0	0	0	0					
21	0	0	0	0	18	0	0					
22	0	0	0	0	0.2	0	0					
23	0	0	0	0	0	0	0					
24	0	0	0	0	0	0	0					
25	0	0	0	0	0	0	c 0.1					
26	0	0	0	0	0	0	0					
27	0	0	0	0	0	0	0					
28	0	0	0	0	0	0	0					
29	0	0	0	0		0	0					
30	0	0	0	0		0	0					
31	0		0	0		0						
	0		0		125.7		0.1		0			
		0		103.0		0		0		0		
MEAN	0	0	0	3.32	4.49	0	+	0	0	0	0	0
ACRE-FEET	0	0	0	204.	249.	0	0.2	0	0	0	0	0

STOPPED FOR SUMMER

REMOVED RECORDER 8/13/59

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.63
ACRE-FEET 454.



STATION F329-R
BRADBURY CHANNEL below Central Avenue

LOCATION: WATER STAGE RECORDER, LAT. 34°08'08", LONG. 117°57'17", ON THE LEFT (EAST) WALL OF BRADBURY CHANNEL 200' DOWNSTREAM FROM THE CENTER LINE OF CENTRAL AVENUE. ELEVATION OF ZERO GAGE HEIGHT 515.03 FEET.

DRAINAGE AREA: 3.3 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL, RECTANGULAR CONCRETE, 18 FEET WIDE, 12 FEET DEEP.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING, HIGH FLOWS MEASURED FROM FOOTBRIDGE FOUR FEET DOWNSTREAM FROM RECORDER.

RECORDER: A STEVENS TYPE A-35 RECORDER WAS IN SERVICE FROM JUNE 14, 1957 TO SEPTEMBER 30, 1959.

REGULATIONS: TWO DEBRIS BASINS LOCATED UPSTREAM.

RECORDS AVAILABLE: JUNE 14, 1957 TO SEPTEMBER 30, 1959.

EXTREMES OF DISCHARGE:

1957-58
MAXIMUM 65 SECOND-FEET FEBRUARY 19,
MINIMUM NO FLOW AT VARIOUS TIMES.
1958-59
MAXIMUM 1250 SECOND-FEET JANUARY 6.
MINIMUM NO FLOW AT VARIOUS TIMES.
1957-59
MAXIMUM 1250 SECOND-FEET JANUARY 6, 1959.
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: POOR, AFFECTED BY DEPOSITS OF DEBRIS IN CHANNEL.

OPERATION: CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF BRADBURY CHANNEL

AT/NEAR below Central Avenue DURING THE YEAR ENDING SEPTEMBER 30, 19 56

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1	12/5	0114 / 0124	HOLLERON-FLYNN	18.0	4.65	1.74	0.30	8.1		.5	8	-.04	FC56
2	12/5	1536 / 1545	HOLLERON	18.0	2.80	2.64	0.21	7.4		.5	10	0	FC48
3	12/15	0750 / 0756	"	18.0	3.40	4.12	0.22	14.0		.5	7	+.06	"
4	1/25	2218 / 2226	HOLLERON-FLYNN	18.0	2.35	2.42	0.16	5.7		.5	7	0	"
5	2/4	0848 / 0857	HOLLERON-WALTON	18.0	4.84	5.52	0.30	26.7		.5	7	-.05	FC56
6	2/19	0850 / 0858	" "	18.0	3.55	4.34	0.26	15.4		.5	7	+.09 -.11	FC48
7	2/19	1218 / 1224	" "	18.0	7.37	6.55	0.63	48.2		.5	5	+.20 -.17	FC56
8	4/1	1119 / 1129	HOLLERON-VRADENBURG	18.0	7.95	7.53	0.33	60.6		.6	7	-.08	"

DISCHARGE MEASUREMENTS OF BRADBURY CHANNEL

AT/NEAR below Central Avenue DURING THE YEAR ENDING SEPTEMBER 30, 19 59

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
9	1/6	0530 / 0537	HOLLERON-WALTON	18.0	21.2	8.21	2.42	174.	FLOATS			±	
10	2/8	0957 / 1003	" "	8.5	1.08	1.85	1.65	2.0		.5	8	0	FC48
11	2/8	1135 / 1143	" "	12.0	2.39	2.43	1.75	5.8		.5	7	-.01	"
12	2/16	1344 / 1400	ROY-PETERSEN	18.0	25.2	8.74	3.10	187.	FLOATS	7	0		
13	2/16	1614 / 1618	" "	18.0	11.2	3.89	2.58	43.4		.6	7	-.05	FC51
14	4/25	2049 / 2055	HOLLERON	CHANNELS			2.10	4.9		.6	5	+.05	FC56
15	4/30	1520 / 1530	"	3.4	0.36	0.75	1.98	0.27		.5	8	0	FC48

ADT-4M Gls 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F329-R

Daily discharge, in second-feet of BRADBURY CHANNEL below Central Avenue for the year ending September 30, 19 56

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	+	0	0	+	0	7.0	+	+			+
2		1.9	0	0	0.3	0	0.3					0
3		0.7	0	0	3.9	0	6.7					0
4		+	0	0	7.1	0	1.2					0
5		+	1.8	0	0	0	+		+			+
6		+	+	0	0	2.1	1.5						
7		0	0	0	0	0	5.8					
8		0	0	0	+	0	+					
9		0	0	0	0	0	+					+
10	+	0	0	0	0	0	0					0
11	2.1	0	0	0	0	1.6	0					+
12	+	0	0	0	+	0.8	0					
13	0.2	0	0	0	+	+	0					
14	0.4	0	0	0	+	0	0					
15	+	0	3.8	0	0	3.1	0		STOPPED FOR SUMMER		0.5	
16		0	1.1	0	+	4.5	+				0	
17		0	2.1	0	0	0.6					0	
18		0	+	0	0	0					0	
19	+	0	0	0	7.3	0		+			0	
20	0.2	0	0	0	0	1.6		0.1			0	
21	+	0	0	0	0	0.5		0.1			0	
22		0	0	0	0	1.0		0.5			0	
23		0	0	0	0	0		0.1			+	+
24		+	0	+	0	0		0.1			0	0
25			0	2.9	1.5	0		0.5			+	+
26			0	3.5	0	0.3		+			+	+
27			0	0	0	2.5					0	+
28		+	0	0	0	+					0	0
29		+	0	0		+					0	+
30	+	0	0	+		0.1	+				0	+
31	0.9		0	0		0.6		+			+	
		2.6		6.4		19.6		1.4				
		3.8		8.8		20.1		22.5			0.5	+
MEAN	0.12	0.09	0.28	0.21	0.72	0.63	0.75	0.05	+	+	0.02	+
ACRE-FEET	7.6	5.2	18.	13.	40.	39.	45.	2.8	+	+	1.0	+

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.23
ACRE-FEET 170.

FORM 6 (Feb 17-59)

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

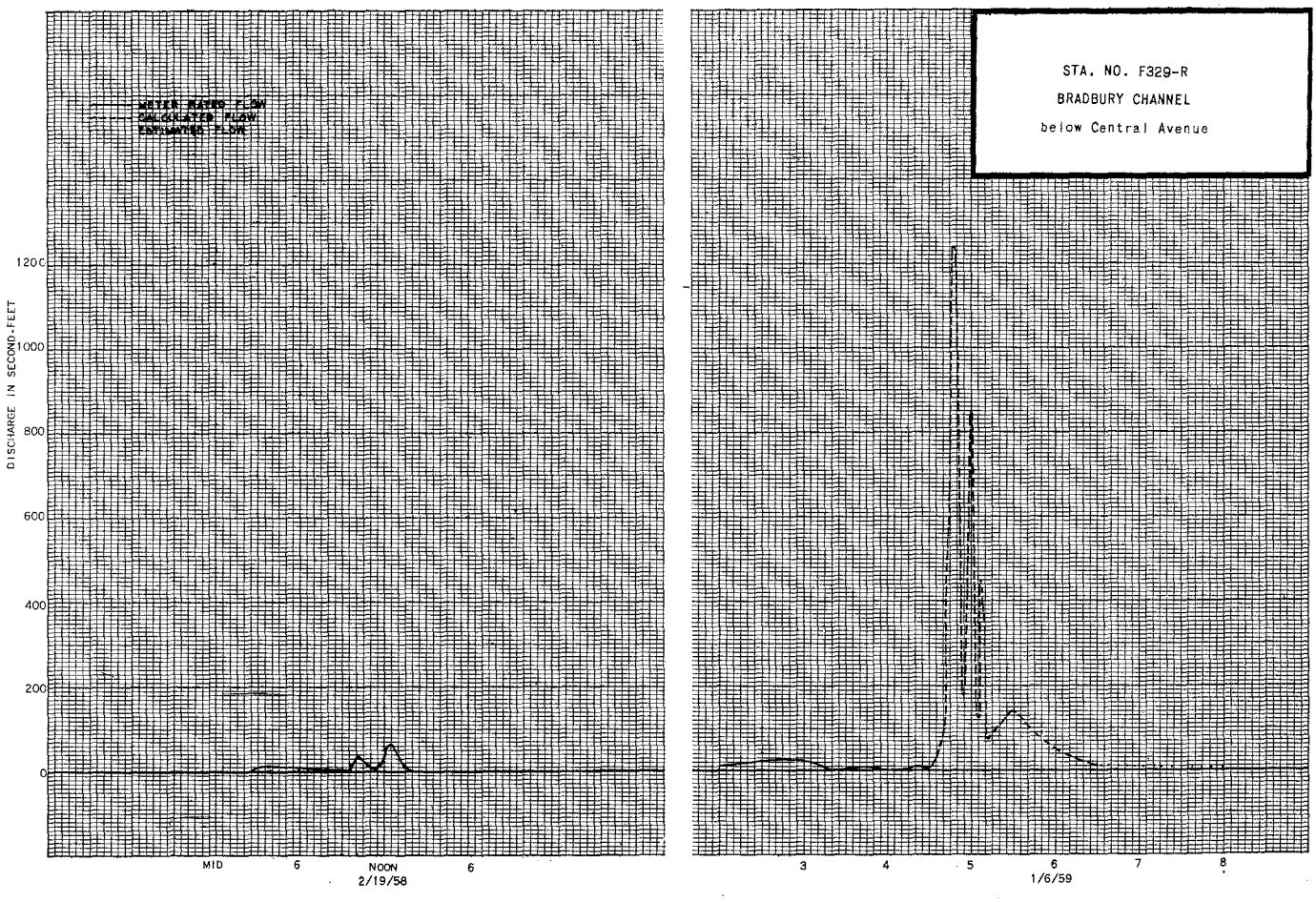
Sta. No. F329-R

Daily discharge, in second-feet of BRADBURY CHANNEL below Central Avenue, for the year ending September 30, 1959

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	0	0	0	+	b 1.0	0.1	0				
2		0	0	0		1.0	+	0				
3		0	0	0		1.0	0	0				
4		0	0	0		b 1.0	+	0				
5		0	0	1.5		0.6		+				
6		0	0	2.2	+							
7		0	0	b 0.2	0.3			0				
8		0	0	b 0.1	1.7							
9		0	0	+	+	+						
10		0	0		+	0						
11		+	0		9.4	+	+					
12		0	0		b 0.4	+	+					
13		0	0		+	0	0.1					
14		0	0		+	+	+					
15		0	0	+	+		0.6	STOPPED FOR SUMMER	STOPPED FOR SUMMER	STOPPED FOR SUMMER	STOPPED FOR SUMMER	+
16		0	0	0	2.9		0.7					
17		0	0	+	b 0.2		0.5					
18		0	0	+	1.5		0.3					
19		0	0	+	1.5		+					
20		0	0	0	1.5							
21		+	0	+	1.3							
22		0	0	0	1.0	+						
23	+	0	0	0	1.0	0						
24	1.7	0	0	+	1.0	+	+					
25	2.1	0	0	+	1.0		1.7					
26	0	0	0	0	1.0		0.4					
27	0	0	0	+	1.0		0					
28	0	0	0		b 1.0		0.2					
29	0	0	0				0.2					
30	0	0	0			+	0.3					+
31	0		0	+		0.2						+
	3.8	+	0	23.8	53.8	4.6	5.1	0.6	+	+	+	+
MEAN	0.12	+	0	0.77	1.92	0.15	0.17	0.02	+	+	+	+
ACRE-FEET	7.6	+	0	47.	107.	9.5	10.	1.2	+	+	+	+

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.25
ACRE-FEET 182.



STATION F108-R
CASTAIC CREEK at highway 126

LOCATION: WATER-STAGE RECORDER, LAT. 34°25'41", LONG. 118°37'41", NEAR THE CENTER OF THE DOWNSTREAM SIDE OF THE HIGHWAY BRIDGE AT STATE HIGHWAY 126 ABOUT 6.0 MILES NORTHWEST OF SAUGUS AND 1.5 MILES WEST OF THE JUNCTION OF STATE HIGHWAY 126 AND U.S. HIGHWAY 99. ELEVATION OF ZERO GAGE HEIGHT, 952.05 FEET.

DRAINAGE AREA: 202.5 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - SAND AND GRAVEL.
CONTROL - CHANNEL FORMS CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM UPSTREAM SIDE OF HIGHWAY BRIDGE.

RECORDER: AN H.C.R. RECORDER WAS IN SERVICE FROM OCTOBER 1, 1957 TO JANUARY 7, 1959. AN AU RECORDER WAS IN SERVICE FROM JANUARY 7, 1959 TO SEPTEMBER 30, 1959.

REGULATION AND/OR DIVERSION: NONE.

RECORDS AVAILABLE: DECEMBER 27, 1945 TO SEPTEMBER 30, 1959. SOME STREAM FLOW MEASUREMENTS ARE AVAILABLE FOR EARLIER YEARS.

EXTREMES OF DISCHARGE:

1957-58
MAXIMUM 2690 SECOND-FEET APRIL 3.
MINIMUM NO FLOW PART OF YEAR.
1958-59
MAXIMUM 466 SECOND-FEET ESTIMATED JANUARY 13.
MINIMUM DRY MOST OF YEAR.
1949-59
MAXIMUM 4200 SECOND-FEET JANUARY 15, 1952.
MINIMUM NO FLOW MOST OF EACH YEAR.

ACCURACY: POOR.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF CASTAIC CREEK

AT NEAR Highway 126 DURING THE YEAR ENDING SEPTEMBER 30, 19 58

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
68	12/15	1508 / 1515	WHISLER-MEDINA	23.0	8.70	3.30	4.18	28.7		.5/.6	9	0	FC5
69	12/15	2126 / 2135	" "	CHANNELS			4.60	123.		.6	10	-.01	FC32
70	12/16	0518 / 0525	" "	29.0	17.0	4.40	4.39	74.8		.6	9	0	"
71	12/16	1530 / 1537	" "	19.5	7.66	2.82	4.18	21.6		.5/.6	9	0	"
72	12/17	0426 / 0436	" "	CHANNELS			5.06	220.		.6	11	0	"
73	12/17	0940 / 0949	" "	35.0	24.3	4.20	4.50	102.		.6	11	0	"
74	12/17	1440 / 1445	" "	18.0	6.23	2.78	4.24	17.3		.5/.6	9	0	"
75	2/3	0725 / 0732	" "	30.5	16.1	4.44	4.46	71.3		.6	9	0	FC41
76	2/3	1307 / 1314	" "	26.0	23.4	5.51	4.68	129.		.6	9	0	"
77	2/3	1528 / 1536	" "	30.0	18.0	4.30	4.42	77.4		.6	12	0	"
78	2/4	0715 / 0735	" "	CHANNELS			5.40	492.		.6	21	+.05	"
79	2/4	1227 / 1249	" "	147.0	152.	5.32	5.45	809.		.6	21	0	"
80	2/4	1852 / 1927	" "	CHANNELS			5.34	510.		.5/.6	28	-.02	"
81	2/5	1135 / 1143	" "	29.0	15.0	3.58	4.41	53.5		.5/.6	11	0	"
82	2/19	1133 / 1146	WHISLER-STRINGER	COMPOSITE			4.81	223.		.5/.6 EST.	17	+.02	"
83	2/19	1440 / 1457	" "	"			4.87	312.		.5/.6	21	-.06	"
84	2/19	1733 / 1747	" "	CHANNELS			4.57	184.		.5/.6	19	-.02	"
85	2/20	0800 / 0808	WHISLER	18.0	7.83	3.30	4.09	25.8		.5/.6	10	0	"
86	2/25	0708 / 0730	WHISLER-STRINGER	CHANNELS			5.19	524.		.6 EST.	24	-.01	"
87	2/25	1100 / 1129	" "	"			4.94	366.		.5/.6	26	0	"
88	2/25	1533 / 1548	" "	"			4.57	161.		.5/.6	18	0	"
89	2/25	1744 / 1755	" "	"			4.44	116.		.5/.6	16	0	"
90	2/26	1623 / 1629	WHISLER	14.0	3.93	2.04	3.92	8.0		.5	6	0	"
91	3/15	1317 / 1337	WHISLER-STRINGER	CHANNELS			4.98	279.		.5/.6	18	-.04	FC41
92	3/15	1700 / 1715	" "	"			4.88	222.		.5/.6	18	-.02	"
93	3/15	2204 / 2222	" "	"			5.02	280.		.5/.6	18	+.02	"
94	3/16	0650 / 0725	" "	"			5.45	894.		.6	33	-.10	"
95	3/16	1300 / 1315	" "	64.0	66.3	1.55	5.11	434.		.6	15	+.02	"
96	3/16	1625 / 1639	" "	CHANNELS			5.10	328.		.5/.6	17	0	"
97	3/17	0923 / 0942	" "	"			4.93	176.		.5/.6	21	-.02	"
98	3/17	1642 / 1707	" "	"			4.77	130.		.5/.6	19	0	"
99	3/18	0750 / 0802	WHISLER	44.0	24.4	3.73	4.60	91.0		.6	12	0	"
100	3/19	1627 / 1637	"	CHANNELS			3.97	27.4		.5/.6	12	0	"
101	3/20	0744 / 0755	"	"			3.98	29.0		.5/.6	12	0	"
102	3/20	1452 / 1458	WHISLER-PROVENCIO	"			3.97	25.8		.5/.6	8	0	"
103	3/20	1800 / 1806	" "	"			3.97	37.2		.5/.6	8	0	"
104	3/20	2055 / 2102	" "	"			3.97	70.3		.6	8	0	"
105	3/21	0740 / 0751	WHISLER	"			3.98	86.0		.6	13	0	"
106	3/21	1448 / 1500	"	"			3.98	87.8		.6	13	0	"
107	3/22	0046 / 0105	WHISLER-PROVENCIO	"			4.58	273.		.6	19	+.15	"
108	3/22	0336 / 0405	" "	"			5.30	534.		.5/.6 EST.	26	+.04	"
109	3/22	0840 / 0857	" "	"			5.11	376.		.6	22	-.02	"
110	3/22	1053 / 1112	" "	"			5.06	327.		.6	23	-.02	"
111	3/23	1058 / 1127	WHISLER	"			4.77	163.		.5/.6	26	0	"
112	3/24	1355 / 1420	"	"			4.70	112.		.5/.6	25	0	"
113	3/25	1622 / 1637	WHISLER-BOWMAN	"			4.72	77.5		.5	20	0	"

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	S. HT. CHANGE TOTAL	METER NO.
114	3/26	0906 / 0940	BOWMAN		CHANNELS		4.75	64.9		.5 / .6	19	0	FC6
115	3/27	0815 / 0836	WHISLER		"		4.78	69.1		.5 / .6	21	0	FC41
116	3/27	1155 / 1212	WHISLER-MOSES		"		4.96	175.		.6	20	+.03	"
117	3/27	1455 / 1515	" "		"		5.24	316.		.5 / .6	24	-.08	"
118	3/27	1750 / 1807	" "		"		4.95	211.		.5 / .6	24	+.06	"
119	3/28	1624 / 1641	WHISLER		"		4.73	90.8		.5 / .6	19	0	"
120	3/29	1116 / 1138	"		"		4.75	78.4		.5 / .6	22	0	"
121	3/30	1006 / 1026	"		"		4.83	68.3		.5 / .6	22	0	"
122	3/31	1412 / 1435	"		"		4.85	61.0		.5 / .6	25	0	"
123	4/1	0711 / 0728	WHISLER-MOSES		"		5.30	365.		.6	20	+.03	"
124	4/1	1040 / 1102	" "		"		5.50	654.		.6	26	+.08	"
125	4/1	1622 / 1635	" "		"		5.85	1130.		.6	14	0	"
126	4/2	0936 / 1009	" "		"		5.40	441.		.6	37	0	"
127	4/2	1530 / 1557	" "		"		5.32	370.		.5 / .6	37	0	"
128	4/3	1705 / 1750	" "		"		5.63	1480.		.6	28	-.10	"
129	4/4	1535 / 1613	WHISLER		"		4.95	629.		.5 / .6	29	0	"
130	4/5	0955 / 1029	WHISLER-STRINGER		"		4.88	484.		.5 / .6	35	0	"
131	4/5	1612 / 1632	" "		"		4.77	428.		.5	11	0	"
132	4/6	0838 / 0846	" "		"		4.69	390.		.6	14	0	"
133	4/6	1505 / 1528	" "		"		5.05	668.	ES	.5 / .6	21	-.04	"
134	4/7	1137 / 1149	" "	145.0	147.	6.40	5.14	939.		.6	18	0	"
135	4/8	0915 / 0945	" "	145.0	113.	4.68	5.10	530.		.5 / .6	27	0	"
136	4/9	1713 / 1739	" "		CHANNELS		4.77	352.		.5 / .6	34	0	"

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	S. HT. CHANGE TOTAL	METER NO.
137	4/10	1707 / 1734	WHISLER-STRINGER		CHANNELS		4.65	287.		.5 / .6	36	0	FC32
138	4/12	1235 / 1300	WHISLER		"		4.63	213.		.6	24	0	FC41
139	4/14	1206 / 1234	"		"		4.62	171.		.5 / .6	24	0	"
140	4/17	0918 / 0945	"		"		4.57	107.		.5 / .6	23	0	"
141	4/21	0935 / 0945	BOWMAN		"		4.12	81.6		.5 / .6	13	0	FC44
142	4/24	1312 / 1322	WHISLER		"		3.98	51.1		.5 / .6	13	0	FC41
143	4/28	0758 / 0812	"		"		3.99	39.8		.5 / .6	16	0	"
144	4/28	1535 / 1548	"		"		3.97	34.1		.5 / .6	16	0	"
145	5/1	0913 / 0919	"		"		3.97	42.6		.5 / .6	16	0	"
146	5/3	1340 / 1350	"		"		3.96	28.8		.5	13	0	"
147	5/5	0847 / 0857	"		"		3.96	25.5		.5	13	0	"
148	5/8	1026 / 1034	"		"		3.96	16.8		.5 / .6	10	0	"
149	5/12	0745 / 0753	"	18.0	8.30	3.06	3.95	25.4		.5 / .6	10	0	"
150	5/15	1335 / 1340	"	10.0	2.16	1.48	3.77	3.2		.5	6	0	"

DISCHARGE MEASUREMENTS OF CASTAIC CREEK

AT Highway 126 DURING THE YEAR ENDING SEPTEMBER 30, 19 59

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	S. HT. CHANGE TOTAL	METER NO.
151	2/11	1405 / 1416	TWITTY-WHISLER	17.5	12.2	4.20	4.04	51.3		.6	10	-.04	FC41
152	2/11	1703 / 1710	" "	17.0	6.79	3.67	3.79	24.9		.5 / .6	7	-.02	"
153	2/16	0640 / 0651	" "	16.0	6.08	3.27	3.87	19.1		.5 / .6	8	0	"
154	2/16	1015 / 1026	" "	34.5	27.1	4.89	4.41	133.		.6	10	+.04	"
155	2/16	1426 / 1434	WHISLER-TWITTY		CHANNELS			5.25	465.	.6	11	0	"
156	2/16	1734 / 1742	WHISLER-STRINGER		"			4.95	364.	.6	12	0	"
157	2/17	0848 / 0851	" "	9.0	1.66	1.51	4.09	2.5		.5	5	0	"

FEDTAK C-b 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F108-R

Daily discharge, in second-feet of CASTAIC CREEK at Highway 126 for the year ending September 30, 1958

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	577	e 42	0	0	0	0
2	0	0	0	0	0	0	418	38	0	0	0	0
3	0	0	0	0	74	0	1450	30	0	0	0	0
4	0	0	0	0	563	0	798	28	0	0	0	0
5	0	0	0	0	62	0	458	25	0	0	0	0
6	0	0	0	0	1.0	0	538	22	0	0	0	+
7	0	0	0	0	0	0	874	20	0	0	0	+
8	0	0	0	0	0	0	466	17	0	0	0	0
9	0	0	0	0	0	0	360	15	0	0	0	0
10	0	0	0	0	0	0	275	16	0	0	0	0
11	0	0	0	0	0	0	244	20	0	0	0	0
12	0	0	0	0	0	0	206	25	0	0	0	0
13	0	0	0	0	0	0	193	22	0	0	0	0
14	0	0	0	0	0	24	168	15	0	0	0	0
15	0	0	35	0	0	178	157	5.0	0	0	0	0
16	0	0	62	0	0	566	124	3.0	0	0	0	0
17	0	0	92	0	0	150	115	2.0	0	0	0	0
18	0	0	0	0	0	78	100	e 1.0	0	0	0	0
19	0	0	0	0	109	e 32	84	0	0	0	0	0
20	0	0	0	0	22	37	e 82	0	0	0	0	0
21	0	0	0	0	0	102	80	0	0	0	0	0
22	0	0	0	0	0	348	66	0	0	0	0	0
23	0	0	0	0	0	e165	58	0	0	0	0	0
24	0	0	0	0	0	109	51	0	0	0	0	0
25	0	0	0	0	200	81	44	0	0	0	0	0
26	0	0	0	0	30	68	40	0	0	0	0	0
27	0	0	0	0	2.2	145	38	0	0	0	0	0
28	0	0	0	0	0	109	37	0	0	0	0	0
29	0	0	0	0		79	38	0	0	0	0	0
30	0	0	0	0		72	e 41	0	0	0	0	0
31	0		0	0		63		0		0	0	
		0		0		2406.0		346.0		0		+
	0		1890.		1063.2		8180.0		0		0	
MEAN	0	0	6.10	0	38.0	77.6	273.	11.2	0	0	0	+
ACRE-FEET	0	0	375.	0	2110.	4770.	16,220.	686.	0	0	0	+

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 33.4
ACRE-FEET 24,180.

FORM Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F108-R

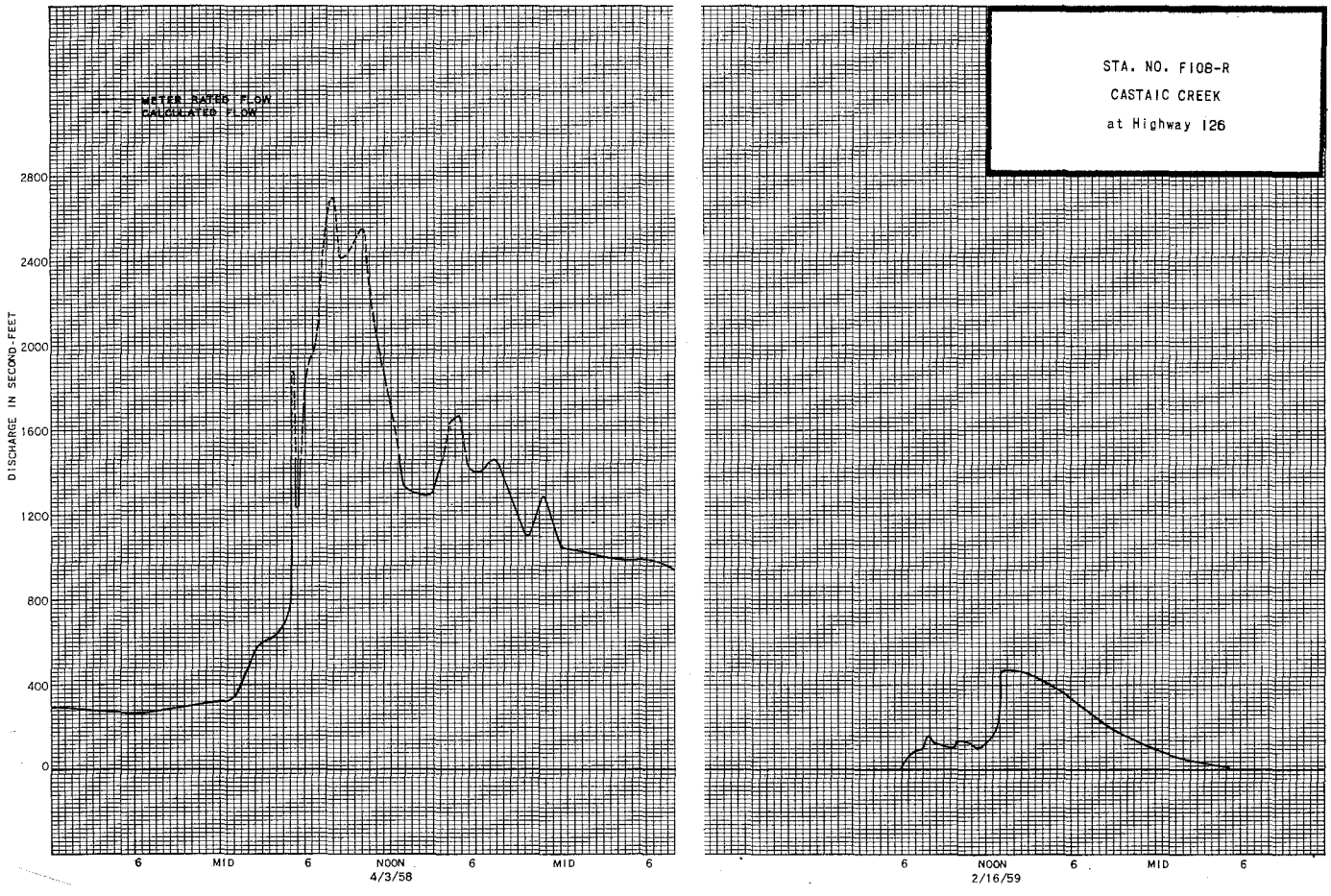
Daily discharge, in second-feet of CASTAIC CREEK at Highway 126, for the year ending September 30, 1959

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	0				
2	0	0	0	0	0	0	0	0				
3	0	0	0	0	0	0	0	0				
4	0	0	0	0	0	0	0	0				
5	0	0	0	0	0	0	0	0				
6	0	0	0	8.3	0	0	0	0				
7	0	0	0	0	0	0	0	0				
8	0	0	0	0	0	0	0					
9	0	0	0	0	0	0	0					
10	0	0	0	0	0	0	0					
11	0	0	0	0	46	0	0					
12	0	0	0	0	+	0	0					
13	0	0	0	0	0	0	0					
14	0	0	0	0	0	0	0					
15	0	0	0	0	0	0	0					
16	0	0	0	0	170	0	0					
17	0	0	0	0	14	0	0					
18	0	0	0	0	0	0	0					0
19	0	0	0	0	0	0	0					0
20	0	0	0	0	0	0	0					0
21	0	0	0	0	0	0	0					0
22	0	0	0	0	0	0	0					0
23	0	0	0	0	0	0	0					0
24	0	0	0	0	0	0	0					0
25	0	0	0	0	0	0	0					0
26	0	0	0	0	0	0	0					0
27	0	0	0	0	0	0	0					0
28	0	0	0	0	0	0	0					0
29	0	0	0	0		0	0					0
30	0	0	0	0		0	0					0
31	0		0	0		0						0
	0	0	0	8.3	230.0	0	0	0	0	0	0	0
MEAN	0	0	0	0.27	8.21	0	0	0	0	0	0	0
ACRE-FEET	0	0	0	16.	456.	0	0	0	0	0	0	0

RECORDER STOPPED FOR SUMMER

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.65
ACRE-FEET 472.



STATION F302-R
COMPTON CREEK at 120th Street

LOCATION: WATER-STAGE RECORDER, LAT. 33°55'27", LONG. 118°15'06", ON THE RIGHT (WEST) BANK OF COMPTON CREEK, 192 FEET UPSTREAM FROM CENTER LINE OF 120TH STREET, WILLOWBROOK. ELEVATION OF ZERO GAGE HEIGHT, 78.64 FEET.

DRAINAGE AREA: 14.5 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - CONCRETE, 48 FEET WIDE AND 10 FEET DEEP. CONTROL - CHANNEL FORMS CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOW MEASURED BY WADING. HIGH FLOWS MEASURED FROM UPSTREAM SIDE OF 120TH STREET BRIDGE.

RECORDER: A STEVENS A-35B RECORDER WAS IN SERVICE FROM OCTOBER 1, 1957 TO SEPTEMBER 30, 1959.

REGULATION AND/OR DIVERSIONS: NONE.

RECORDS AVAILABLE: JANUARY 29, 1951 TO SEPTEMBER 30, 1959.

EXTREMES OF DISCHARGE:

1957-58
MAXIMUM 2900 SECOND-FEET FEBRUARY 19.
MINIMUM NO FLOW AT VARIOUS TIMES.
1958-59
MAXIMUM 1760 SECOND-FEET JANUARY 6.
MINIMUM NO FLOW AT TIMES IN SEPTEMBER.
1951-59
MAXIMUM 2900 SECOND-FEET FEBRUARY 19, 1958.
MINIMUM NO FLOW AT VARIOUS TIMES

ACCURACY: GOOD FOR HIGH FLOW. POOR FOR LOW FLOW.

OPERATION: LOCATED AND CONSTRUCTED BY THE CORPS OF ENGINEERS, DEPARTMENT OF THE ARMY. OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF COMPTON CREEK

AT NEAR 120th Street DURING THE YEAR ENDING SEPTEMBER 30, 19 58

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
132	10/11	1510 / 1518	BONADIMAN	48.0	7.33	1.46	0.16	10.7	FLOATS		5	0	
133	10/14	1300 / 1316	BROOK	48.0	2.98	1.07	0.16	3.2		"	9	0	
134	10/21	1245 / 1252	"	13.0	0.54	0.46	0.08	0.25		"	6	0	
135	10/31	0821 / 0831	BROOK-BONADIMAN	48.3	8.18	1.93	0.14	15.8		"	7	0	
136	12/5	1335 / 1345	" "	48.0	11.4	1.48	0.23	16.9		.6	6	0	FC61
137	1/16	0940 / 0944	BONADIMAN	12.0	0.05	1.00	0.07	0.05	FLOATS		3	0	
138	1/26	1235 / 1246	BROOK-BONADIMAN	48.0	6.46	0.90	0.13	5.8		.6	12	0	FC61
139	1/30	0958 / 1010	BONADIMAN	48.0	16.0	1.81	0.29	29.0		.6	8	-.02	"
140	2/3	1330 / 1340	"	48.0	12.6	1.60	0.14	20.2	FLOATS		5	0	
141	2/6	1400 / 1408	BROOK-BONADIMAN	28.0	1.17	0.51	0.08	0.56		.6	5	0	FC61
142	2/13	1005 / 1008	BONADIMAN	10.8	0.40	0.50	0.08	0.20		.6	3	0	"
143	2/20	1710 / 1720	BONADIMAN-BROOK	48.0	5.50	0.64	0.11	3.5		.6	7	0	"
144	2/25	1430 / 1446	" "	48.0	5.42	0.83	0.14	4.5		.6	6	0	"
145	3/6	0956 / 1010	" "	48.5	35.9	4.68	0.74	168.		.6	8	+.16	"
146	3/22	1055 / 1108	" "	39.5	2.88	0.52	0.10	1.5		.6	11	0	FC61
147	4/1	0727 / 0737	" "	48.0	34.7	3.64	0.70	126.		.6	14	-.08	FC19
148	4/3	1517 / 1532	" "	48.5	4.97	0.83	0.17	4.1.		.6	13	0	FC61
149	4/7	1742 / 1747	" "	48.0	3.02	0.53	0.11	1.6		.6	12	0	"
150	4/24	1012 / 1020	BONADIMAN	18.0	0.92	0.43	0.08	0.36		.6	5	0	"
151	5/8	0927 / 0934	"	18.0	0.80	0.67	0.10	0.54		.6	5	0	"
152	5/15	1002 / 1005	"	12.0	0.40	0.57	0.05	0.23		.6	4	0	"
153	5/22	0935 / 0938	"	12.0	0.48	0.62	0.08	0.29		.6	3	0	"
154	5/29	0950 / 0954	"	8.0	0.24	0.71	0.08	0.17		.6	3	0	"
155	6/12	1012 / 1014	BONADIMAN	9.0	0.22	0.47	0.07	0.10		.6	3	0	"
156	6/19	1017 / 1020	LOHMANN-BONADIMAN	11.0	0.37	0.62	0.08	0.23		.6	4	0	"
157	6/26	1000 / 1006	BONADIMAN	14.0	0.50	0.60	0.08	0.30		.6	5	0	"
158	7/3	1045 / 1048	"	10.0	0.50	0.46	0.08	0.23		.6	3	0	"
159	7/10	0948 / 0952	"	12.0	0.48	0.36	0.08	0.17		.6	4	0	"
160	7/17	1000 / 1004	"	10.0	0.25	0.32	0.08	0.08		.6	3	0	"
161	7/24	1020 / 1025	BONADIMAN-JORDAN	14.0	1.27	0.23	0.08	0.29		.6	5	0	"
162	8/7	1010 / 1018	" "	12.0	0.54	0.65	0.10	0.35		.6	6	0	"
163	8/14	0950 / 1000	BONADIMAN	20.0	1.67	0.66	0.12	1.1		.6	7	0	"
164	8/21	0948 / 0950	"	5.0	0.20	0.46	0.07	0.10		.6	3	0	"
165	9/4	0950 / 0954	BROOK	20.0	0.08	0.75	0.07	0.06	FLOATS		7	0	
166	9/18	0956 / 1003	BROOK-PETERSEN	18.0	0.68	0.50	0.07	0.34	FLOATS		7	0	

DISCHARGE MEASUREMENTS OF COMPTON CREEK

AT NEAR 120th Street DURING THE YEAR ENDING SEPTEMBER 30, 19 59

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
167	10/2	0937 / 0944	BONADIMAN	18.0	0.61	0.33	0.10	0.23		.6	5	0	FC61
168	10/9	0958 / 1005	"	12.0	0.35	0.57	0.10	0.20		.6	4	0	"
169	10/23	1014 / 1018	WALTER-BONADIMAN	18.0	0.54	0.79	0.10	0.43		.6	3	0	"
170	11/6	0922 / 0930	BONADIMAN	15.0	0.55	0.44	0.10	0.24		.6	5	0	"
171	1/8	1000 / 1006	"	12.0	0.45	0.47	0.06	0.21		.6	4	0	"
172	1/29	0935 / 0940	"	16.0	0.78	0.64		0.50		.6	6	0	"
173	2/8	0822 / 0835	BROOK-BONADIMAN	48.0	18.6	2.14	0.37	39.9		.6	13	-.02	FC19
174	2/11	1450 / 1500	" "	48.0	12.0	1.67	0.25	20.0		.6	13	-.02	FC61
175	2/16	0837 / 0850	" "	49.5	28.4	3.87	0.59	110.		.6	12	+.02	FC19
176	2/17	1414 / 1424	BROOK	48.0	2.17	0.46	0.10	1.0		.6	13	0	FC61
177	2/19	0950 / 1000	BONADIMAN	28.0	1.62	0.62	0.08	1.0		.6	7	0	"
178	3/5	0957 / 1004	"	10.0	0.39	0.33	0.08	0.13		.6	5	0	"
179	3/19	1010 / 1016	"	14.0	0.45	0.82	0.07	0.37		.6	5	0	"
180	4/23	0952 / 1000	"	27.0	1.47	0.56	0.08	0.83		.6	7	0	"
181	4/25	2243 / 2253	BROOK-BONADIMAN	49.5	36.6	5.55	0.84	203.		.6	8	-.08	FC19
182	4/30	1005 / 1012	BONADIMAN	21.0	1.14	0.59	0.10	0.67		.6	6	0	FC61
183	5/7	1002 / 1010	"	20.0	0.94	0.51	0.10	0.48		.6	6	0	"
184	6/25	0940 / 0950	"	13.0	0.50	0.36	0.06	0.18		.6	6	0	"
185	7/16	0940 / 0950	"	14.0	0.55	0.38	0.09	0.21		.6	6	0	"
186	7/30	1002 / 1010	"	17.0	0.67	0.43	0.09	0.29		.6	6	0	"
187	8/13	1000 / 1010	"	22.0	0.78	0.39	0.09	0.30		.6	7	0	"
188	8/26	0905 / 0912	"	18.0	0.59	0.44	0.09	0.26		.6	6	0	"
189	9/10	0930 / 0942	BROOK	39.0	2.05	0.58	0.09	1.2		.5	11	0	"
190	9/24	0935 / 0940	BONADIMAN	11.0	0.47	0.34	0.08	0.16		.6	6	0	"

76D74M Cdb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F302-R

Daily discharge, in second-feet of COMPTON CREEK at 120th Street for the year ending September 30, 1958

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	0	0	+	+	0	105	0	0.2	0.2	0.4	0.1
2		20	0		16	0.4	2.0	0	0.2	0.2	0.4	0.1
3		2.3	0		149	0	63	0	0.2	0.2	0.4	0.1
4	+	0.9	0.4		134	0	2.8	0	0.2	0.2	0.4	0.1
5	0.2	1.2	49	+	2.7	0	b 0.8	0	0.2	+	0.4	0.1
6	0.2	0	0	0	b 0.6	30	94	0.3	0.2	+	0.4	0.1
7	+	0	0	0	b 0.6	0.1	108	3.5	+	0.1	0.4	0.1
8		0	0	0	b 0.8	0	+	0.7	0	0.1	0.3	0.1
9		0	0	0	0.4	0	0	0.5	0	0.2	0.2	0.1
10	+	0	0	5.5	0.4	0.7	0	0.4	+	0.2	0.2	0.1
11	17.9	0	0	+	0.2	5.3	0.2	0.4	0	0.2	0.1	0.1
12	+	0	0		0.2	3.1	0.1	0.3	0.1	0.2	b 0.6	0.1
13	2.0	0	0		0.2	1.2	0	0.2	0.1	0.2	b 1.2	0.1
14	2.5	0	0		+	1.0	0	0.2	0.1	0.1	b 1.1	0.1
15	+	0	1.09		+	2.14	+	0.2	+	0.1	1.62	0.2
16	0	0	7.5		0	1.53	0.2	0.1	0	0.1	0.2	0.2
17	0	0	84		0	0.3	0.2	+	0.2	0.1	0.1	0.3
18	0	0	0		0	0.2	0.2	+	0.2	+	0.1	0.3
19	0	0	0		b600	0.2	0.2	+	0.2	+	0.1	0.3
20	5.4	0	0		b 3.5	97	0.2	0.3	0.1	0	0.1	0.3
21	0.9	0	0		b 0.8	a 22	0.2	0.3	+	0.1	0.1	0.3
22	0	0	0		0.4	a 42	0.3	0.3	+	0.2	0.1	0.2
23	0	0	0	+	0.2	b 1.0	0.3	0.2	0.2	0.3	0.1	0.2
24	0	0	0	3.2	0.1	b 0.8	0.4	0.2	0.3	0.3	0.1	0.2
25	0	0	0	103	b193	b 0.6	0.3	0	0.3	0.3	0.2	0.2
26	0	0	0	56	0.4	0.4	0.3	0	0.3	0.3	0.2	0.2
27	0	0	0	+	0	a101	0.3	0.1	0.3	0.3	0.2	0.2
28	0	0	+	+	0	1.0	0.2	0.2	0.3	0.3	0.2	0.2
29	0	0	0	+		0.8	0.3	0.2	0.3	0.3	0.2	0.2
30	0	0	+	4.8		a 8.0	0.2	0.2	0.2	0.3	0.2	0.2
31	3.3		+	+		b 2.0		0.2		0.4	0.2	
		24.4		172.5		736.1		9.0		5.5		5.1
	72.9		249		1103.5		379.7		4.4		25.1	
MEAN	2.35	0.81	8.06	5.56	39.4	23.7	12.7	0.29	0.15	0.18	0.81	0.17
ACRE-FEET	145.	48.	496.	342.	2190.	1460.	753.	18.	8.7	11.	50.	10.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 7.64
ACRE-FEET 5530.

76D74M Cdb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

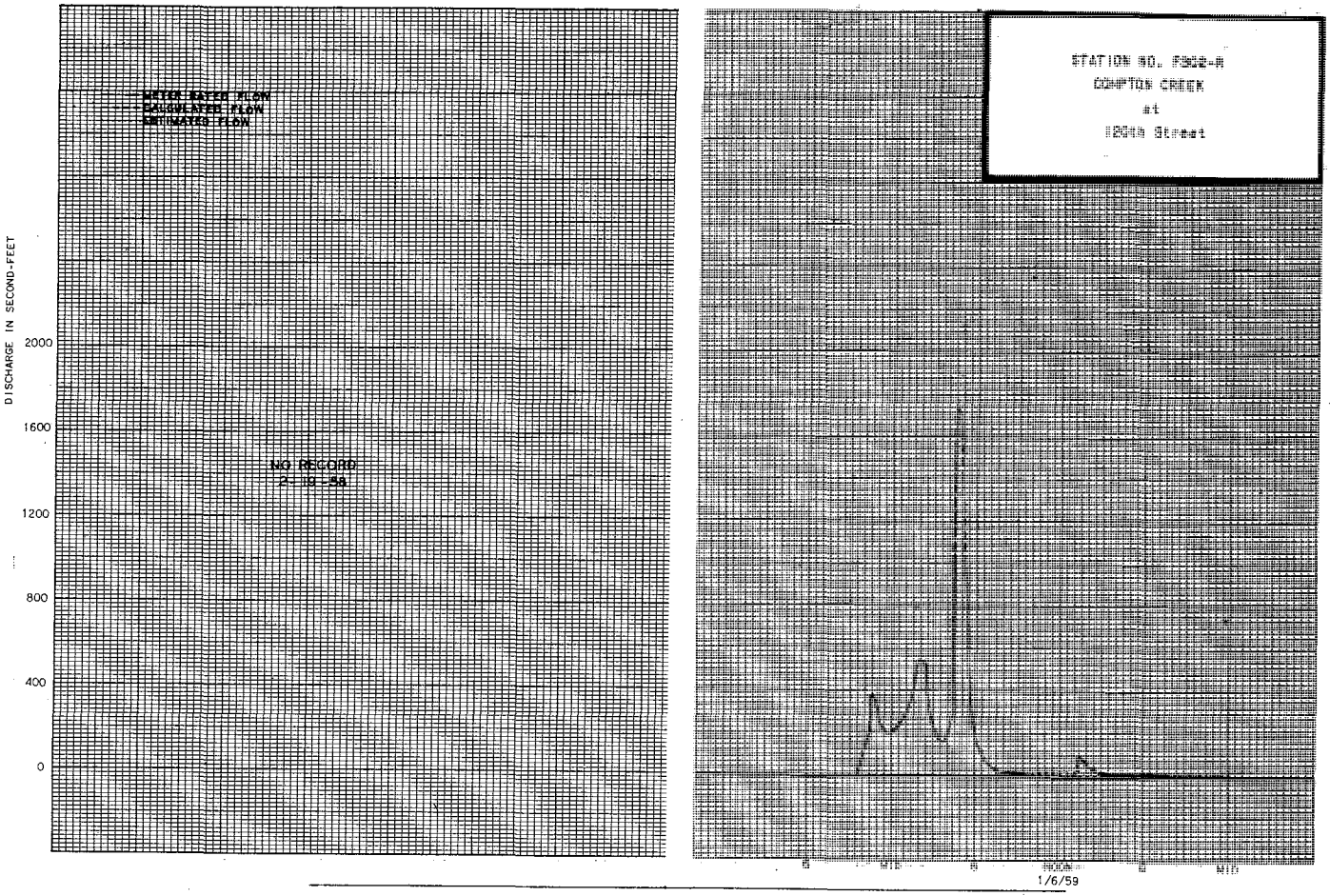
Sta. No. F302-R

Daily discharge, in second-feet of COMPTON CREEK at 120th Street for the year ending September 30, 1959

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	b 0.3	b 0.2	b 0.1	b 0.1	b +	+	b 0.2	b 0.6	b 0.1	b 0.2	b 0.3	b 0.2
2	0.2	0.2	0.2	0		+	0.2	0.6	0.1	0.2	0.3	0.2
3	0.3	+	0.2	0		0.1	0.3	0.6	0.1	0.2	0.3	0.2
4	0.2	0.2	0	b 0		0.1	0.3	0.5	0.1	0.2	0.3	0.2
5	0.3	0.2	0.1	20		0.1	0.1	0.5	0.1	0.3	0.3	0.2
6	0.2	0.2	0.1	143	b +	0.1	+	0.5	0.1	0.3	0.3	+
7	0.2	0.2	0.1	b 0.4	4.4	0.1	0.2	0.5	0.1	0.4	0.3	0.1
8	0.2	0.2	+	0.2	54	0.1	0.2	0.5	+	0.4	0.3	0.1
9	0.2	0.2	0.1	0.2	b 0.3	0.1	0.2	0.6		0.4	0.3	0.2
10	0.3	b 0.2	0.1	0.2	2.0	0.1	0.3	0.7		0.4	0.3	1.2
11	0.2	9.1	0.1	0.2	86	0.2	0.2	0.8		0.4	0.3	1.2
12	0.2	b 0.1	0.1	0.2	20	0.1	0.1	0.9		0.3	0.3	1.2
13	0.2	0	0.1	0.2	b 1.0	0.1	0.1	0.1		0.3	0.3	0.2
14	0.2	0	0	0.2	b 0.7	0.1	0.2	0.1	+	0.2	0.3	0.2
15	0.2	0	0	0.2	8.1	0.2	0.2	0.1	0.1	0.2	0.3	0.2
16	0.2	0	0	0.1	239	0.2	0.2	0.1	0.1	0.2	0.3	0.2
17	0.2	0	0	0	b 1.0	0.2	0.2	0.1	0.1	0.2	0.2	0.2
18	0.2	0	0	0	2.8	0.1	0.4	0.1	0.1	0.2	0.2	0.2
19	0.2	+	0	0	1.3	0.4	0.4	0.1	0.1	0.2	0.2	0.2
20	0.2	0.2	0	0	b 1.0	0.3	0.4	0.1	0.1	0.3	0.2	0.2
21	0.2	+	0	0	67	0.2	0.5	0.1	0.1	0.3	0.2	0.2
22	0.3	+	0	0	b 0.4	0.1	0.6	0.1	0.1	0.3	0.2	0.2
23	0.4	0.1	0	0	+	0.1	0.8	0.1	0.2	0.3	0.2	0.2
24	0.3	+	0.1	0	0	0.1	0.6	0.1	0.2	0.3	0.3	0.2
25	0.2	0.1	+	0	0	0.3	44	0.1	0.2	0.3	0.3	0.2
26	0.1	0.1	0	0.2	0.1	0.4	7.0	+	0.2	0.3	0.3	0.2
27	+	+	0	0.3	0.1	0.4	0.6	+	0.2	0.3	0.3	0.2
28	0.2	0.1	0	0.4	b +	0.2	0.6	0	0.2	0.3	0.3	0.2
29	0.2	0.1	0	0.5		0.1	0.6	0	0.2	0.3	0.3	0.2
30	0.2	b 0	0.1	0.4		+	b 0.6	0	b 0.2	0.3	0.2	b 0.2
31	b 0.2		b 0.1	b 0.2		0.2		b 0		b 0.3	b 0.2	
	6.7		1.7		489.2		60.3		3.1		8.4	
		11.6		167.2		4.8		8.6		8.8		8.6
MEAN	0.22	0.39	0.05	5.39	17.5	0.15	2.01	0.28	0.10	0.28	0.27	0.29
ACRE-FEET	13.	23.	3.4	332.	970.	10.	120.	17.	6.1	17.	17.	17.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 2.13
ACRE-FEET 1550.



STATION F37B-R
COMPTON CREEK near Greenleaf Drive

LOCATION: WATER-STAGE RECORDER, LAT. 33°52'54", LONG. 118°13'27", ON THE LEFT (EAST) BANK OF THE CONCRETE CHANNEL, 120 FEET SOUTH OF THE CENTER LINE OF GREENLEAF DRIVE EXTENDED AND ABOUT ONE AND ONE-HALF MILES SOUTHWEST OF COMPTON. ELEVATION OF ZERO HEIGHT 50.14 FEET.

DRAINAGE AREA: 23.3 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - RECTANGULAR, CONCRETE, 13.0 FEET DEEP AND 60 FEET WIDE, INVERT IS 1.05 FEET BELOW BOTTOM OF VERTICAL SIDE WALLS. CHANNEL FORMS CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM CABLE CAR 10 FEET BELOW GAGE.

RECORDER: A STEVENS TYPE A-35B RECORDER WAS IN SERVICE FROM OCTOBER 1, 1957 TO SEPTEMBER 30, 1959.

REGULATION: NONE.

DIVERSIONS: NONE.

RECORDS AVAILABLE:
AT STATION F37-R - JANUARY 22, 1928 TO JUNE 9, 1938.
AT STATION F37B-R - OCTOBER 3, 1938 TO SEPTEMBER 30, 1959.

EXTREMES OF DISCHARGE:
1957-58
MAXIMUM 4640 SECOND-FEET FEBRUARY 19.
MINIMUM PLUS FLOW AT VARIOUS TIMES.
1958-59
MAXIMUM 4320 SECOND-FEET JANUARY 6.
MINIMUM ZERO FLOW SEVERAL DAYS IN NOVEMBER.
1928-59 (STATIONS F37-R AND F37B-R)
MAXIMUM DISCHARGE NOT DETERMINED. OVERFLOWED BANKS MARCH 2, 1938.
MAXIMUM DISCHARGE OF RECORD 4910 SECOND-FEET JANUARY 26, 1956.
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: GOOD.

OPERATION: LOCATED AND CONSTRUCTED BY CORPS OF ENGINEERS, DEPARTMENT OF THE ARMY, AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT IN CONJUNCTION WITH THE CORPS OF ENGINEERS, DEPARTMENT OF THE ARMY.

DISCHARGE MEASUREMENTS OF COMPTON CREEK

NEAR Greenleaf Drive DURING THE YEAR ENDING SEPTEMBER 30, 1959

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
743	10/3	1045 / 1050	BONADIMAN		CHANNELS		0.46	1.0		FLOATS	7	0	
744	10/10	1005 / 1010	"	13.0	0.59	0.85	0.42	0.50		"	4	0	
745	10/11	0826 / 0837	BROOK-BONADIMAN	60.0	43.7	1.57	0.94	68.6		.6	9	-.04	FC19
746	10/17	1046 / 1052	BONADIMAN		CHANNELS		0.40	0.58		FLOATS	6	0	
747	10/21	0125 / 0134	BROOK-BONADIMAN	59.4	30.9	0.56	0.73	17.4		.6	8	-.03	FC19
748	10/24	0955 / 1000	BONADIMAN	10.0	0.30	0.43	0.38	0.13		FLOATS	3	0	
749	10/31	0856 / 0905	BROOK-BONADIMAN	58.5	25.4	0.66	0.61	16.7		.6	8	-.02	FC46
750	11/3	0133 / 0143	" "	59.1	44.1	1.42	0.93	62.7		.6	7	-.04	FC19
751	11/27	0950 / 0956	BONADIMAN		CHANNELS		0.40	0.63		FLOATS	6	0	
752	12/5	0435 / 0451	BROOK-BONADIMAN	60.0	58.8	1.32	1.09	77.9		.6	7	-.07	FC19
753	12/12	1020 / 1026	BONADIMAN		CHANNELS		0.41	0.60		FLOATS	6	0	
754	12/15	0813 / 0825	BROOK-BONADIMAN	60.0	216.	6.15	3.82	1330.		.6	8	0	FC19
755	12/19	1035 / 1041	BONADIMAN		CHANNELS		0.40	0.82		FLOATS	6	0	
756	1/9	1012 / 1014	"		"		0.40	0.36		FLOATS	6	0	
757	1/16	0950 / 0958	"		"		0.41	0.31		FLOATS +.6	6	0	FC61
758	1/23	1030 / 1033	MOSES-BONADIMAN		"		0.41	0.54		FLOATS	6	0	
759	1/26	1120 / 1132	BROOK-BONADIMAN	59.4	34.3	1.02	0.76	35.0		.6	9	0	FC19
760	1/30	1040 / 1050	BONADIMAN	59.5	43.4	1.52	0.93	66.0		.6	8	0	FC61
761	2/3	1300 / 1305	BONADIMAN-MOSES	59.3	34.7	0.89	0.76	30.8		.6	9	0	FC19
762	2/4	0825 / 0833	BROOK-FEIKER	60.0	74.7	2.56	1.34	191.		.6	7	0	FC35
763	2/6	1338 / 1348	BROOK-BONADIMAN	50.0	13.9	1.00	0.44	1.4		.6	7	0	FC61
764	2/13	1032 / 1042	BONADIMAN		CHANNELS		0.42	0.60		.6	8	0	"
765	2/19	0452 / 0506	BROOK-BONADIMAN	60.0	281.	9.30	4.68	2610.		.6	8	0	FC19
766	2/20	1640 / 1645	BONADIMAN-BROOK	33.0	4.56	0.86	0.51	3.9		.5	7	0	FC61
767	2/25	0518 / 0532	BROOK-BONADIMAN	60.0	364.	7.33	5.19	2670.		.6	8	0	FC19
768	2/27	1032 / 1042	BONADIMAN		CHANNELS		0.45	1.02		.6	9	0	FC61
769	3/6	1053 / 1115	BROOK-BONADIMAN	60.0	99.8	3.50	1.84	349.		.6	15	0	FC19
770	3/13	1013 / 1022	BONADIMAN		CHANNELS		0.40	0.41		.6	8	0	FC61
771	3/15	1730 / 1743	BROOK-BONADIMAN	60.0	68.3	2.53	1.30	173.		.6	11	0	FC19
772	3/20	1030 / 1044	BONADIMAN		CHANNELS		0.41	0.67		.6	7	0	FC61
773	3/20	1933 / 1950	BROOK-BONADIMAN	60.1	206.	5.66	3.63	1160.		.6	9	0	FC19
774	3/22	1123 / 1138	BROOK	38.0	6.19	1.15	0.53	7.1		.5	13	0	FC61
775	3/27	1245 / 1256	BROOK-BONADIMAN	60.0	84.2	2.92	1.62	246.		.6	10	0	FC19
776	4/1	0637 / 0652	" "	60.0	132.	4.46	2.40	588.		.6	9	0	"
777	4/2	1430 / 1445	" "	38.7	7.11	0.63	0.50	4.5		.6	12	0	FC61
778	4/3	0308 / 0325	" "	59.7	49.6	1.65	1.01	81.9		.6	15	0	FC19
779	4/3	1546 / 1557	" "	44.0	10.6	1.42	0.62	15.0		.6	12	0	FC61
780	4/7	1712 / 1720	" "	38.5	7.34	1.43	0.58	10.5		.6	12	0	"
781	4/17	1050 / 1100	BONADIMAN		CHANNELS		0.42	0.40		.6	8	0	"
782	4/24	1040 / 1050	"		"		0.44	1.8		.6	9	0	"
783	5/1	1019 / 1030	"		"		0.40	0.40		.6	8	0	"
784	5/8	0957 / 1010	"		"		0.45	1.2		.6	9	0	"
785	5/15	1037 / 1047	"		"		0.41	0.30		.6	8	0	"
786	5/22	1012 / 1022	"		"		0.42	0.65		.6	9	0	"
787	5/29	1020 / 1030	"		"		0.43	0.75		.6	9	0	"
788	6/5	1008 / 1020	"		"		0.44	0.63		.6	8	0	"
789	6/12	1042 / 1050	"		"		0.43	0.45		.6	8	0	"
790	6/19	1040 / 1050	LOHMANN-BONADIMAN		"		0.42	0.47		.6	8	0	"
791	6/26	1034 / 1046	BONADIMAN		"		0.45	1.4		.6	10	0	"
792	7/3	1108 / 1118	"		"		0.43	0.37		.6	8	0	"
793	7/10	1030 / 1040	"		"		0.44	0.55		.6	8	0	"
794	7/17	1032 / 1042	"		"		0.43	0.35		.6	8	0	"
795	7/24	1045 / 1055	BONADIMAN-JORDAN		"		0.43	0.51		.6	8	0	"
796	7/31	1020 / 1030	BONADIMAN		"		0.46	1.1		.6	9	0	"
797	8/7	1048 / 1103	BONADIMAN-JORDAN		"		0.44	0.68		.6	10	0	"
798	8/14	1020 / 1030	BONADIMAN		"		0.46	1.7		.6	9	0	"
799	8/21	1014 / 1024	"		"		0.43	0.67		.6	8	0	"
800	8/28	1008 / 1018	"		"		0.43	0.81		.6	8	0	"
801	9/4	1019 / 1028	BROOK	4.5	1.34	0.55	0.44	0.74		.5	6	0	"
802	9/11	1038 / 1047	"	3.2	0.84	0.95	0.43	0.80		.5 .6	9	0	"
803	9/18	1028 / 1044	BROOK-PETERSEN		CHANNELS		0.44	1.1		.5	14	0	"
804	9/25	1354 / 1404	BONADIMAN		"		0.45	0.80		.6	8	0	"

DISCHARGE MEASUREMENTS OF COMPTON CREEK

NEAR Greenleaf Drive DURING THE YEAR ENDING SEPTEMBER 30, 1959

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
805	10/2	1005 / 1016	BONADIMAN		CHANNELS		0.43	0.66		.6	8	0	FC61
806	10/9	1034 / 1042	"		"		0.42	0.44		.6	8	0	"
807	10/16	0955 / 1005	"		"		0.44	0.55		.6	8	0	"
808	10/23	1042 / 1050	WALTER-BONADIMAN		"		0.43	0.45		.6	9	0	"
809	10/30	1010 / 1020	BONADIMAN		"		0.43	0.38		.6	8	0	"
810	11/6	0945 / 0955	"		"		0.41	0.44		.6	8	0	"
811	11/13	1032 / 1040	"		"		0.41	0.33		.6	8	0	"
812	11/26	1030 / 1040	"		"		0.45	0.85		.6	9	0	"
813	12/4	1025 / 1035	"		"		0.38	0.37		.6	7	0	"
814	12/11	1018 / 1025	BONADIMAN-PETERSEN		"		0.41	0.45		.6	8	0	"
815	1/6	1437 / 1450	BROOK-BONADIMAN	60.0	68.3	2.09	1.32	143.		.6	15	-.10	FC19
816	1/8	1020 / 1030	BONADIMAN		CHANNELS		0.40	0.73		.6	8	0	FC61
817	1/29	1014 / 1024	"		"		0.40	0.54		.6	8	0	"
818	2/8	0854 / 0905	BROOK-BONADIMAN	60.0	62.8	2.02	1.24	127.		.6	15	-.06	FC19
819	2/11	0315 / 0340	" "	60.0	107.	3.57	1.77	382.		.6	9	-.10	"
820	2/12	1530 / 1540	" "	36.0	4.86	1.28	0.50	6.2		.6	11	-.02	FC61
821	2/16	0800 / 0810	" "	60.0	83.2	2.92	1.56	243.		.6	11	-.04	FC19
822	2/17	1341 / 1349	BROOK	35.0	3.21	0.68	0.44	2.2		.5	13	0	FC61
823	2/19	1055 / 1110	BONADIMAN		CHANNELS		0.44	2.3		.6	11	0	"
824	2/21	1305 / 1314	BROOK-BONADIMAN	60.0	59.7	2.01	1.18	120.		.6	10	-.04	FC19
825	2/26	1032 / 1042	BONADIMAN		CHANNELS		0.39	0.28		.6	8	0	FC61
826	3/5	0955 / 1010	"		"		0.40	0.45		.6	8	0	"
827	3/12	1020 / 1030	"		"		0.40	0.59		.6	8	0	"
828	3/19	1030 / 1036	"		"		0.39	0.40		.6	8	0	"
829	3/26	1000 / 1010	"		"		0.40	0.43		.6	8	0	"
830	4/9	1010 / 1020	"		"		0.41	0.44		.6	9	0	"
831	4/16	1018 / 1026	"		"		0.40	0.51		.6	8	0	"
832	4/23	1024 / 1040	"		"		0.49	3.4		.6	13	0	"
833	4/25	2325 / 2334	BROOK-BONADIMAN	60.0	130.	2.64	2.37	344.		.6	8		FC19
834	4/30	1020 / 1035	BONADIMAN		CHANNELS		0.47	2.8		.6	13	0	FC61
835	5/7	1028 / 1040	"		"		0.48	4.6		.6	11	0	"
836	5/14	1008 / 1020	"		"		0.45	1.6		.6	11	0	"
837	5/21	1022 / 1037	"		"		0.45	1.6		.6	10	0	"
838	5/28	1020 / 1030	"		"		0.41	0.43		.6	8	0	"
839	6/11	1025 / 1035	"		"		0.41	0.41		.6	8	0	"
840	6/18	1030 / 1040	"		"		0.43	1.2		.6	8	0	"
841	6/25	1012 / 1024	"		"		0.42	0.60		.6	9	0	"
842	7/16	1005 / 1016	"		"		0.43	0.64		.6	9	0	"
843	7/30	1022 / 1035	"		"		0.43	0.71		.6	10	0	"
844	8/13	1018 / 1030	"		"		0.45	1.0		.6	11	0	"
845	8/26	0935 / 0945	"		"		0.45	0.69		.6	10	0	"
846	9/3	1008 / 1020	BROOK		"		0.47	0.60		.5 .6	13	0	"
847	9/10	1010 / 1021	"		"		0.52	2.0		.5	12	0	"
848	9/17	1007 / 1020	"		"		0.43	0.54		.5	12	0	"
849	9/24	1000 / 1010	BONADIMAN		"		0.44	0.59		.6	9	0	"

76DT6M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F37B-R

Daily discharge, in second-feet of COMPTON CREEK near Greenleaf Drive, for the year ending September 30, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.7	1.9	0.1	0.2	2.6	0.6	223	0.4	0.4	0.6	0.8	0.5
2	0.6	4.2	+	0.2	22	1.2	4.1	0.4	0.4	0.5	1.0	0.5
3	0.7	2.2	0.4	0.2	339	0.7	131	0.1	0.4	0.5	0.7	0.6
4	0.6	9.6	0.8	0.2	279	0.6	9.3	0.1	0.4	0.8	0.7	0.7
5	0.8	7.1	136	+	12.7	0.6	1.9	0.1	0.5	0.1	2.7	0.7
6	0.8	0.7	1.1	+	1.6	44	173	0.6	0.4	0.2	1.0	0.7
7	0.1	0.2	0.6	+	1.2	0.7	264	4.1	0.2	0.4	1.1	0.6
8	0.4	0.1	0.4	0.4	3.0	0.2	1.9	0.8	+	0.5	1.0	0.6
9	0.5	0.1	0.4	0.4	0.6	+	1.0	0.7	+	0.6	0.8	0.7
10	0.4	0.2	0.5	15.6	0.4	0.5	0.5	0.6	0.4	0.7	0.8	0.8
11	8.8	0.1	0.7	0.6	0.4	10.7	0.6	0.6	0.2	1.0	0.7	0.8
12	1.6	0.4	0.7	0.4	0.4	3.6	0.4	0.5	0.4	0.7	1.2	0.8
13	3.3	0.4	0.8	0.4	0.5	1.8	0.2	0.4	0.4	0.6	2.6	0.7
14	9.6	0.4	0.7	0.5	0.2	1.7	0.1	0.4	0.4	0.4	1.9	0.6
15	1.2	0.8	2.0.4	0.5	0.2	4.5.5	0.2	0.2	0.2	0.4	25	0.7
16	0.8	0.4	1.1.5	0.5	0.1	3.0.6	0.5	0.2	0.1	0.4	0.8	1.1
17	0.7	+	2.0.2	0.5	0.1	2.3	0.5	0.2	0.5	0.4	0.6	1.1
18	0.7	+	1.9	0.4	0.2	1.0	0.6	0.1	0.5	0.4	0.6	1.1
19	0.4	+	1.2	0.2	1.1.0.0	0.8	0.7	0.2	0.6	0.4	0.7	1.2
20	1.0.1	0.1	1.6	0.2	7.1	1.9.7	0.5	0.8	0.5	0.2	0.7	1.1
21	4.1	0.4	1.1	0.6	2.3	4.2	0.7	0.7	0.4	0.5	0.7	0.8
22	0.1	0.2	0.7	0.5	1.2	1.7.4	1.1	0.5	0.2	0.6	0.7	1.0
23	0.4	0.4	0.4	0.6	1.0	2.3	1.1	0.6	0.4	0.6	0.6	0.8
24	0.2	0.4	0.4	1.1	1.1	2.3	1.9	0.6	1.1	0.5	0.5	0.8
25	0.2	0.5	+	1.9.5	3.6.2	1.9	1.1	0.2	1.0	0.6	0.6	0.7
26	0.4	0.7	0.1	1.2.3	1.6	1.1	0.8	0.2	1.2	0.6	1.1	0.6
27	0.1	0.7	+	4.8	1.2	1.9.1	0.7	0.5	1.9	0.8	1.1	0.6
28	0.1	0.6	0.4	4.1	1.0	2.3	0.5	0.6	1.1	0.6	1.1	0.6
29	0.2	0.5	0.1	3.7		1.6	0.7	0.7	0.6	0.8	1.2	0.6
30	0.2	0.5	+	1.5.7		1.5.8	0.5	0.6	0.5	1.0	0.8	0.8
31	1.4.4		0.1	3.4		4.2		0.4		1.2	0.7	
		9.1.4		3.7.3.9		1.4.6.7.5		1.7.1		1.7.6		2.2.9
	2.5.8.5		5.6.8.7		2.1.4.2.7		8.2.3.1		1.5.3		5.4.5	
MEAN	8.34	3.05	18.3	12.1	76.5	47.3	27.4	0.55	0.51	0.57	1.76	0.76
ACRE-FEET	513.	181.	1130.	742.	4250.	2910.	1630.	34.	30.	35.	108.	45.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 16.0
ACRE-FEET 11,610.

76DT6M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

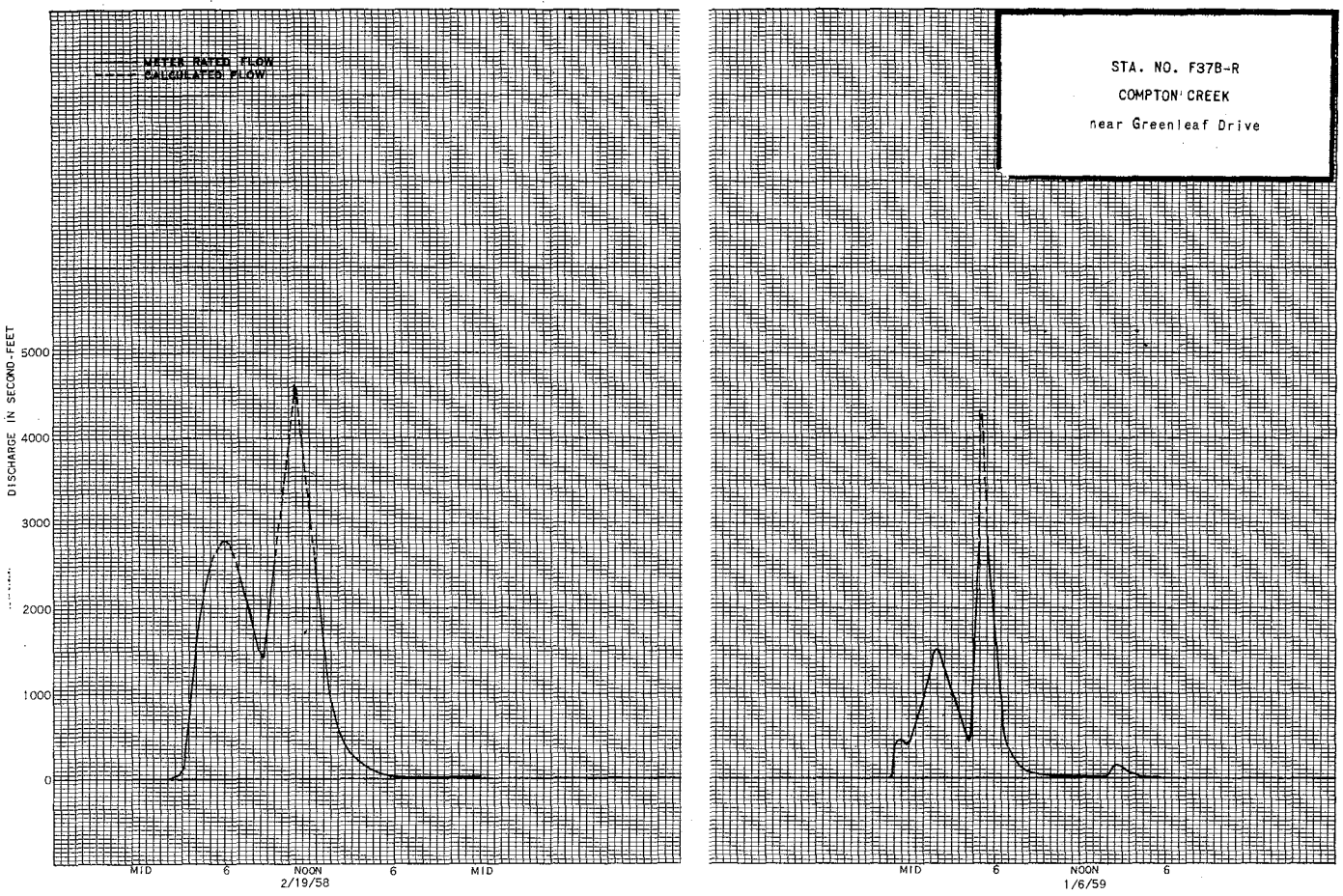
Sta. No. F37B-R

Daily discharge, in second-feet of COMPTON CREEK near Greenleaf Drive, for the year ending September 30, 1957

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.1	0.4	0.6	0.4	0.4	0.1	0.2	1.2	0.5	0.6	1.1	0.6
2	0.8	0.4	0.7	0.2	0.4	0.2	0.2	1.2	0.7	0.7	0.7	0.7
3	1.1	0.2	0.7	0.2	0.4	0.5	0.5	1.2	0.6	0.8	0.7	0.7
4	0.8	0.4	0.4	0.2	0.4	0.5	0.4	1.6	0.6	1.0	1.0	0.6
5	1.0	0.4	0.6	1.0.1	0.4	0.5	0.2	1.6	0.7	0.4	0.6	0.4
6	0.7	0.5	0.6	4.1.8	0.5	0.5	0.1	2.3	0.6	0.5	0.7	0.1
7	0.6	0.6	0.5	1.0	7.9	0.5	0.4	3.0	0.5	0.7	0.7	0.2
8	0.6	0.6	0.4	0.6	1.0.9	0.5	0.4	3.0	0.5	0.7	0.7	0.2
9	0.7	0.6	0.5	0.6	1.1	0.5	0.5	2.6	0.6	0.6	0.6	0.8
10	1.0	0.5	0.5	0.5	4.1	0.5	0.8	2.3	0.6	0.6	0.5	1.6
11	0.7	7.3	0.4	0.4	1.4.2	0.6	0.4	3.0	0.4	0.7	0.8	1.6
12	0.6	0.5	0.4	0.4	4.1	0.5	0.2	3.0	0.4	0.4	1.0	1.9
13	0.6	0.4	0.5	0.5	1.9	0.6	0.2	1.2	0.4	0.4	1.1	0.7
14	0.8	0.4	0.2	0.5	1.6	0.5	0.5	1.2	0.4	1.1	1.1	0.7
15	0.7	0.4	0	0.4	9.3	0.4	0.6	1.1	0.4	0.8	0.7	0.8
16	0.8	0.4	0.1	0.4	4.4.9	0.4	0.5	1.0	0.8	0.8	0.6	0.6
17	0.7	0	0.2	0.2	3.0	0.5	1.0	1.0	1.1	0.6	0.6	0.6
18	0.6	0	0.4	0.2	3.4	0.4	1.0	0.8	1.6	0.7	1.0	0.8
19	0.5	0	0.4	0.2	4.1	0.4	1.0	1.0	1.2	0.4	0.7	0.5
20	0.4	0	0.4	0.2	1.6	0.5	1.0	0.8	1.1	0.6	0.7	0.5
21	0.4	0	0.4	0.2	1.2.9	0.4	1.2	1.0	1.0	0.8	0.7	0.6
22	0.5	0.1	0.4	0.2	1.0	0.2	1.6	1.0	0.8	0.8	0.7	0.7
23	0.5	0.2	0.6	0.2	0.2	0.2	1.9	0.7	1.2	0.7	1.2	0.7
24	0.6	b 0.2	0.5	0.2	0.1	0.2	1.2	0.6	0.7	0.8	0.6	0.5
25	0.8	b 0.3	0.4	0.2	0.1	0.4	7.8	0.6	0.7	0.8	0.8	0.6
26	0.4	b 0.4	0.2	0.4	0.1	0.5	3.7	0.7	0.7	0.7	0.7	0.6
27	0.2	0.1	0.2	0.5	0.1	0.4	1.2	0.4	0.7	0.7	0.7	0.6
28	0.5	0.4	0.1	0.7	0.1	0.4	1.6	0.4	0.6	1.1	0.6	0.5
29	0.5	0.4	0.2	0.7		0.2	1.6	0.7	0.5	1.0	0.5	0.7
30	0.4	0	0.4	0.8		0.1	1.1	0.5	0.6	1.1	0.2	0.7
31	0.4		0.4	0.6		0.4		0.2		1.9	0.2	
	2.0.0		1.2.3		9.1.2.2		1.3.6.5		2.1.2		2.2.5	
		1.6.1		4.3.9.9		1.2.5		4.0.9		2.3.5		2.0.8
MEAN	0.65	0.54	0.40	19.2	32.6	0.40	4.55	1.32	0.71	0.76	0.72	0.69
ACRE-FEET	40.	32.	24.	873.	1810.	25.0	271.	81.	42.	47.	45.	41.

Remarks:

YEAR OR PERIOD MEAN 4.60
ACRE-FEET 3330.



STATION F320-R
COYCTE CREEK at Centralia Road

LOCATION: WATER-STAGE RECORDER, LAT. 33°50'20", LONG. 118°03'34", ON THE DOWNSTREAM SIDE OF THE CENTRALIA ROAD BRIDGE 2.3 MILES SOUTHEAST OF ARTESIA. ELEVATION OF ZERO GAGE HEIGHT, APPROXIMATELY 20.2 FEET. FORMER STATIONS F41-R, F41B-R AND F41C-R WERE AT DEL AMO STREET, ONE HALF MILE UPSTREAM.

DRAINAGE AREA: 110 SQUARE MILES.

CHANNEL AND CONTROL: ADOBE BOTTOM. TRAPEZOIDAL CHANNEL WITH EARTHEN LEVEES. NO ARTIFICIAL CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM UPSTREAM SIDE OF HIGHWAY BRIDGE.

RECORDER: A STEVENS A-35 RECORDER IN SERVICE FROM OCTOBER 1, 1937 TO SEPTEMBER 30, 1959.

REGULATION: NONE.

DIVERSIONS: NONE.

RECORDS AVAILABLE: AT STATION F41-R, STREAM FLOW MEASUREMENTS TAKEN FROM DECEMBER 1, 1928, TO JANUARY 14, 1930. RECORDER RECORDS FROM JANUARY 14, 1930 TO OCTOBER 30, 1936. AT STATION F41B-R, OCTOBER 30, 1936 TO FEBRUARY 17, 1937. AT STATION F41C-R, FEBRUARY 18, 1937 TO FEBRUARY 8, 1956. AT STATION F320-R, FEBRUARY 9, 1956 TO SEPTEMBER 30, 1959.

EXTREMES OF DISCHARGE:
1957-58
MAXIMUM 2230 SECOND-FEET APRIL 7.
MINIMUM NO FLOW SEPTEMBER 9.
1958-59
MAXIMUM 584 SECOND-FEET APRIL 26.
MINIMUM PLUS FLOW AT VARIOUS TIMES.
1929-59
(STATIONS F41-R, F41B-R, F41C-R, F320-R)
MAXIMUM 7360 SECOND-FEET JANUARY 18,1952.
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: FAIR.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF COYOTE CREEK

AT NEAR Centralia Road DURING THE YEAR ENDING SEPTEMBER 30, 19 58

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEQ. NO.	G. HT. CHANGE TOTAL	METER NO.
88	10/3	1525 / 1530	BONADIMAN	1.0	0.18	0.33	4.14	0.06		.5	3	0	FC19
89	10/10	1506 / 1508	"	1.5	0.27	0.41	4.15	0.11		.5	3	0	"
90	10/12	1310 / 1320	"	6.0	3.08	1.53	4.74	4.7		.6	7	0	"
91	10/14	0740 / 0743	BONADIMAN-BROOK	5.5	1.04	0.66	4.32	0.69		.6	4	0	"
92	10/15	1325 / 1335	BROOK	5.9	2.90	1.17	4.62	3.4		.5	7	0	FC35
93	10/17	1600 / 1604	BONADIMAN	3.0	1.05	0.76	4.26	0.8		.6	3	0	FC19
94	10/24	1450 / 1452	"	2.0	0.60	0.17	4.23	0.10		.6	3	0	"
95	10/31	1530 / 1542	BROOK-BONADIMAN	6.0	10.1	1.44	5.21	14.4		.6	7	0	FC46
96	11/3	0452 / 0505	" "	CHANNELS			5.83	46.6		.6	9	+.03	FC19
97	11/4	1520 / 1530	BONADIMAN	11.0	11.7	0.62	4.96	7.3		.6	8	0	"
98	11/7	1522 / 1530	"	6.0	2.51	1.08	4.42	2.7		.6	5	0	"
99	11/14	1504 / 1505	"	4.0	1.00	0.12	4.10	0.12		.6	3	0	"
100	11/21	1512 / 1516	"	2.0	0.40	0.98	4.37	0.39		.6	3	0	"
101	11/27	1520 / 1528	"	4.0	0.94	0.39	4.42	0.37		.6	4	0	"
102	12/5	0808 / 0818	BROOK-BONADIMAN	10.0	7.38	0.80	4.89	5.9		.6	8	+.22	"
103	12/5	1027 / 1037	" "	CHANNELS			5.66	38.9		.6	9	+.02	FC46
104	12/6	1015 / 1040	BROOK	28.6	23.5	1.17	5.40	27.4		.6	10	0	"
105	12/12	1520 / 1528	BONADIMAN	4.0	0.98	1.63	4.28	1.6		.6	4	0	FC19
106	12/15	1312 / 1330	BROOK-BONADIMAN	99.0	140.	1.94	6.56	272.		.6	13	0	"
107	12/16	1148 / 1202	BROOK	25.0	32.4	1.15	5.47	37.4		.6	9	-.02	FC46
108	12/17	0900 / 0914	BROOK-BONADIMAN	93.0	88.6	1.96	6.12	174.		.6	10	-.04	FC19
109	12/18	1105 / 1117	BONADIMAN-BROOK	20.0	29.8	0.93	5.28	27.6		.6	8	0	FC46
110	12/19	1610 / 1620	BONADIMAN	8.5	7.75	0.76	4.65	5.9		.6	7	0	"
111	12/26	1520 / 1526	"	CHANNELS			4.25	0.52		.5	6	0	"
112	1/2	1513 / 1528	BONADIMAN		"		4.32	1.2		.6	10	0	FC61
113	1/9	1512 / 1522	"		"		4.24	0.71		.6	8	0	"
114	1/16	1550 / 1602	"		"		4.26	0.6		.6	8	0	"
115	1/23	1600 / 1608	MOSES-BONADIMAN		"		4.28	1.4		.6	8	0	"
116	1/26	0433 / 0440	BONADIMAN-BROOK	93.0	89.5	2.06	6.03	184.		.6	9	+.02	FC19
117	1/27	1100 / 1120	BONADIMAN	CHANNELS			5.28	46.8		.6	13	0	"
118	1/30	1600 / 1610	"	25.0	25.8	0.52	4.87	13.5		.6	5	0	FC61
119	2/3	1050 / 1100	BONADIMAN-MOSES	58.0	44.6	1.28	5.45	56.9		.6	11	+.04	FC19
120	2/3	1545 / 1550	" "	105.0	160.	2.81	6.70	449.		.6	13	+.05	"
121	2/4	0630 / 0640	" "	109.0	300.	2.89	7.42	867.		.6	11	-.09	"
122	2/5	1100 / 1112	BROOK-BONADIMAN	88.0	124.	1.10	5.74	136.		.6	9	-.02	"
123	2/6	0904 / 0916	" "	56.0	60.4	0.51	5.29	30.7		.6	10	0	"
124	2/13	1540 / 1556	BONADIMAN	CHANNELS			4.72	1.6		.6	13	0	FC61
125	2/19	1125 / 1135	BROOK-BONADIMAN	105.0	253.	3.47	7.21	878.		.6	8	+.14	FC46
126	2/19	1740 / 1752	" "	106.0	308.	2.88	7.46	875.		.6	9	-.02	"
127	2/20	1025 / 1040	" "	98.0	154.	1.18	5.90	182.		.6	11	-.01	FC19
128	2/25	1040 / 1050	" "	103.0	256.	2.28	6.72	583.		.6	11	-.09	"
129	2/25	1643 / 1655	" "	102.0	216.	1.95	6.43	421.		.6	11	-.02	"
130	2/26	0922 / 0936	" "	82.0	123.	0.74	5.51	91.7		.6	11	-.02	"

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEQ. NO.	G. HT. CHANGE TOTAL	METER NO.
131	2/27	1600 / 1615	BONADIMAN	CHANNELS			4.97	25.0		.6	10	0	FC19
132	3/6	1810 / 1820	BROOK-BONADIMAN	78.0	98.8	0.55	5.24	54.4		.6	10	0	"
133	3/7	1033 / 1050	" "	CHANNELS			4.94	8.8		SURF	14	0	"
134	3/13	1525 / 1540	BONADIMAN	"			4.82	7.9		.6	10	0	FC61
135	3/15	2330 / 2349	BROOK-BONADIMAN	103.0	240.	2.29	6.77	550.		.6	12	-.02	FC19
136	3/16	0826 / 0844	" "	110.0	348.	2.99	7.50	1040.		.6	13	-.03	"
137	3/17	1032 / 1106	" "	88.0	112.	0.83	5.48	93.2		.6	19	-.04	FC61 FC19
138	3/20	1420 / 1430	BONADIMAN	50.0	46.5	0.27	4.62	12.5		.6	7	0	FC19
139	3/21	0042 / 0110	BROOK-BONADIMAN	100.0	210.	1.60	6.26	336.		.6	21	-.02	"
140	3/21	1136 / 1205	" "	100.0	140.	1.00	5.81	141.		.5 .6	22	-.02	"
141	3/22	1332 / 1345	" "	100.0	193.	1.60	6.18	310.		.6	13	0	"
142	3/27	1614 / 1632	" "	80.0	128.	0.87	5.51	111.		.6	18	-.02	"
143	3/28	1030 / 1045	" "	75.0	104.	0.70	5.28	72.9		.6	17	0	FC61
144	3/31	1314 / 1330	BONADIMAN	CHANNELS			4.66	14.7		.6	12	0	FC19
145	4/1	1404 / 1415	BROOK-BONADIMAN	103.0	260.	2.12	6.63	551.		.6	13	-.04	"
146	4/2	0905 / 0920	" "	97.0	175.	1.49	6.01	261.		.6	12	-.02	"
147	4/3	1310 / 1325	" "	103.0	244.	2.23	6.53	546.		.6	13	-.06	"
148	4/4	1104 / 1135	" "	85.0	141.	1.20	5.74	169.		.6	19	-.01	"
149	4/5	0754 / 0810	" "	CHANNELS			5.19	62.1		.6	18	-.02	FC61
150	4/6	1820 / 1830	" "	94.0	194.	1.58	6.08	307.		.6	12	-.04	FC19
151	4/7	1312 / 1325	" "	113.0	463.	3.65	8.09	1690.		.6	13	-.10	"
152	4/8	0920 / 0937	" "	93.0	170.	1.00	5.86	170.		.6	13	-.02	"
153	4/10	1650 / 1705	BONADIMAN	72.0	73.4	0.32	4.68	23.4		.6	10	0	FC46
154	4/17	1540 / 1550	"	11.5	4.53	0.57	4.37	2.6		.6	6	0	FC61
155	4/24	1540 / 1550	"	8.0	2.66	0.92	4.34	2.0		.6	6	0	"
156	5/1	1536 / 1546	"	9.5	2.99	0.70	4.36	2.1		.6	7	0	"
157	5/8	0906 / 0914	BROOK	7.0	1.99	0.46	4.28	0.91		.6	8	0	FC36
158	5/15	1500 / 1510	BONADIMAN	9.0	2.44	0.34	4.27	0.84		.6	6	0	FC61
159	5/22	1510 / 1518	"	8.0	2.52	0.43	4.28	1.1		.6	5	0	"
160	5/29	1630 / 1640	"	8.0	2.58	0.21	4.27	0.54		.6	6	0	"
161	6/5	1630 / 1640	"	5.5	1.30	0.72	4.27	0.94		.6	6	0	"
162	6/12	1550 / 1558	"	4.0	0.85	0.34	4.27	0.29		.6	5	0	"
163	6/19	1610 / 1615	"	2.0	0.20	0.70	4.26	0.14		.6	3	0	"
164	6/26	1620 / 1624	"	2.5	0.38	0.42	4.27	0.16		.6	3	0	"
165	7/3	1650 / 1654	"	2.5	0.38	0.80	4.27	0.30		.6	3	0	"
166	7/10	1610 / 1615	"	1.5	0.15	0.44	4.26	0.07		.6	3	0	"
167	7/17	1610 / 1614	"	1.5	0.34	0.60	4.25	0.15		.6	3	0	"
168	7/24	1615 / 1622	"	10.0	2.94	0.20	4.29	0.63		.6	5	0	"
169	7/31	1600 / 1610	"	3.5	0.71	0.56	4.27	0.40		.6	4	0	"
170	8/7	1625 / 1628	"	2.0	0.22	0.59	4.26	0.13		.6	3	0	"
171	8/14	1530 / 1535	"	3.0	0.60	0.80	4.27	0.48		.6	3	0	"
172	8/21	1650 / 1700	"	5.0	0.77	0.35	4.26	0.27		.6	5	0	"
173	8/28	1600 / 1605	"	2.0	0.22	0.64	4.25	0.14		.6	3	0	"
174	9/4	1512 / 1518	BROOK	3.0	0.57	0.47	4.26	0.27		.5	7	0	"
175	9/11	1553 / 1559	"	2.8	0.35	0.49	4.24	0.17		.5	7	0	"
176	9/18	1522 / 1531	PETERSEN-BROOK	0.90	0.11	0.27	4.22	0.03		.5	5	0	"

DISCHARGE MEASUREMENTS OF COYOTE CREEK

AT ~~NEAR~~ Centralia Road DURING THE YEAR ENDING SEPTEMBER 30, 1959

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATINGS	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
177	10/2	1550 / 1554	BONADIMAN	5.0	0.56	0.29	4.27	0.16		.6	4	0	FC61
178	10/9	1540 / 1546	"	6.0	0.78	0.46	4.25	0.36		.6	4	0	"
179	10/23	1535 / 1540	WALTER-BONADIMAN	5.5	0.68	0.31	4.26	0.21		.6	4	0	"
180	11/6	1550 / 1600	BONADIMAN	4.5	1.30	0.92	4.30	1.2		.6	5	0	"
181	11/13	1600 / 1605	"	3.0	0.60	0.83	2.60	0.54		.6	3	0	FC19
182	11/20	1540 / 1546	"	4.0	1.04	0.59	2.66	0.61		.6	4	0	"
183	11/26	1450 / 1456	"	4.0	1.20	0.39	2.65	0.47		.6	4	0	"
184	12/4	1520 / 1525	"	4.0	1.30	0.62	2.69	0.81		.6	5	0	FC61
185	12/11	1508 / 1516	PETERSEN	4.0	1.23	0.41	2.65	0.51		.6	6	0	"
186	12/26	1530 / 1536	BONADIMAN	3.5	1.08	0.92	2.71	1.0		.6	4	0	FC19
187	1/2	1506 / 1512	"	4.0	1.14	0.79	2.72	0.87		.6	5	0	"
188	1/6	1108 / 1120	BROOK-BONADIMAN	85.0	228.	1.64	6.40	373.		.6	11	-.02	"
189	1/7	1040 / 1056	BONADIMAN-BROOK		CHANNELS		4.15	18.7		.6	17	0	"
190	1/15	1540 / 1546	BONADIMAN	5.5	1.79	0.56		1.0		.6	5	0	"
191	1/22	1550 / 1600	"	4.0	1.18	0.52	3.04	0.62		.6	5	0	"
192	1/29	1615 / 1624	"	5.0	1.11	0.49	3.05	0.54		.6	6	0	FC61
193	2/5	1600 / 1610	"	6.0	1.44	0.60	3.06	0.87		.6	6	0	"
194	2/8	1443 / 1502	BROOK-BONADIMAN	75.0	132.	0.36	5.26	47.0		.6 SURF	16	-.01	FC19
195	2/9	1422 / 1435	" "	11.5	5.90	1.02	3.40	6.0		.6	10	0	FC61
196	2/11	1010 / 1027	" "	90.0	225.	1.66	6.35	373.		.6	17	-.07	FC19
197	2/12	0927 / 0950	" "		CHANNELS		4.34	25.8		.6	20	-.04	FC61
198	2/16	1200 / 1236	" "	93.0	195.	1.42	6.02	276.		.6	18	-.08	FC19
199	2/16	2045 / 2100	" "	96.0	204.	1.47	6.07	300.		.6	12	-.02	"
200	2/17	0907 / 0920	" "	50.0	70.7	0.71	4.70	50.3		.6	14	-.02	FC61
201	2/18	1320 / 1340	BONADIMAN	15.0	5.95	1.23	3.20	7.3		.6	8	0	"
202	2/21	1617 / 1630	BROOK-BONADIMAN	88.0	170.	1.40	5.95	239.		.6	11	-.04	FC19
203	2/22	1300 / 1315	" "	18.5	14.2	1.12	3.98	15.9		.6	10	0	FC61
204	2/26	1620 / 1630	BONADIMAN	8.5	4.28	0.70		3.0		.6	7	0	"
205	3/5	1545 / 1555	"	5.0	1.41	1.06	2.90	1.5		.6	6	0	"
206	3/12	1520 / 1530	"	5.0	1.38	0.87	2.81	1.2		.6	6	0	"
207	3/19	1520 / 1530	"	5.0	1.77	0.90	2.88	1.6		.6	7	0	"
208	3/26	1620 / 1630	BONADIMAN	4.7	1.17	0.85	2.77	1.0		.6	6	0	FC61
209	4/2	1610 / 1620	"	5.0	1.42	1.06	2.80	1.5		.6	7	0	"
210	4/9	1600 / 1610	"	4.5	1.04	1.06	2.78	1.1		.6	6	0	"
211	4/16	1530 / 1540	"	4.5	1.00	1.10	2.75	1.1		.6	6	0	"
212	4/23	1600 / 1610	"	4.5	1.03	0.36	2.63	0.37		.6	6	0	"
213	4/26	0315 / 0325	BROOK-BONADIMAN	102.	265.	1.20	6.64	306.		.6	12	0	FC19
214	4/26	1007 / 1017	" "	78.0	131.	1.79	5.67	234.		.6	15		"
215	4/30	1620 / 1625	BONADIMAN	4.0	0.70	0.63	2.66	0.44		.6	4	0	FC61
216	5/7	1530 / 1536	"	4.0	0.69	0.54	2.63	0.37		.6	4	0	"
217	5/14	1540 / 1556	"	4.0	0.94	0.80	2.67	0.75		.6	5	0	"
218	5/21	1615 / 1625	"	7.5	2.84	0.99	2.87	2.8		.6	9	0	"
219	5/28	1550 / 1600	"	7.0	2.20	0.91	2.79	2.0		.6	7	0	"
220	6/4	1610 / 1620	"	4.0	0.91	0.23	2.60	0.21		.6	5	0	"
221	6/11	1525 / 1534	ROY	3.3	1.31	0.61	2.67	0.80		.6	7	0	"
222	6/18	1520 / 1530	BONADIMAN	4.5	1.66	0.84	2.72	1.4		.6	6	0	"
223	6/25	1540 / 1550	"	5.0	1.75	0.92	2.74	1.6		.6	8	0	"
224	7/2	1540 / 1550	"	5.0	1.92	0.63	2.70	1.2		.6	6	0	FC19
225	7/9	1520 / 1526	"	4.0	0.67	0.60	2.60	0.40		.6	4	0	"
226	7/16	1550 / 1558	"	4.0	1.45	0.52	2.65	0.76		.6	5	0	FC61
227	7/23	1510 / 1520	"	4.0	1.83	0.49	2.69	0.92		.6	7	0	FC19
228	7/30	1550 / 1600	"	6.0	1.53	0.85	2.84	1.3		.6	8	0	FC61
229	8/6	1520 / 1530	"	4.5	1.06	0.61	2.70	0.65		.6	7	0	"
230	8/13	1535 / 1540	"	5.0	1.90	0.47	2.75	0.87		.6	6	0	"
231	8/20	1540 / 1550	"	4.0	1.11	0.81	2.73	0.90		.6	5	0	"
232	8/27	1550 / 1600	"	7.0	2.93	1.09	3.05	3.2		.6	8	0	"
233	9/3	1540 / 1546	BROOK	3.5	0.81	0.42	2.68	0.34		.5	6	0	"
234	9/10	1444 / 1449	"	3.0	0.88	0.33	2.66	0.29		.5 .6	6	0	"
235	9/17	1513 / 1520	"	3.5	0.71	0.79	2.76	0.56		.5 .6	6	0	"
236	9/24	1550 / 1600	BONADIMAN	6.0	2.27	1.10	2.91	2.5		.6	6	0	"

74D74M C/b 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F320-R

Daily discharge, in second-feet of COYOTE CREEK at Centralia Road for the year ending September 30, 1958

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	0.9	0.3	1.5	2.8	15	449	b 2.1	0.5	0.2	+	+
2	+	0.1	0.3	1.2	4.2	14	262	1.9	0.5	0.5	|	|
3	+	1.7	0.5	1.1	189	13	384	1.7	0.7	0.5	|	|
4	0.1	9.6	1.6	1.1	700	12	171	1.5	0.7	0.2	|	+
5	0.1	6.8	25	0.9	122	12	51	1.3	0.9	0.5	+	0.2
6	0.1	21	52	0.6	26	28	192	1.1	0.7	0.2	0.2	0.2
7	0.1	2.9	12	0.6	7.9	8.5	941	1.0	0.7	0.2	0.2	0.2
8	0.1	1.4	9.3	0.6	4.6	6.3	182	b 0.9	0.7	0.2	0.2	+
9	0.2	0.7	7.6	0.7	4.9	5.5	48	1.2	0.7	0.2	+	0
10	0.1	0.2	4.4	2.8	2.9	5.1	24	1.2	0.7	+	+	+
11	1.8	0.2	2.9	2.1	2.3	14	18	0.9	0.7	0.2	+	+
12	6.1	0.1	1.9	1.0	1.8	14	12	0.9	0.2	0.2	0.2	0.5
13	0.7	0.1	1.6	0.8	1.6	7.9	8.1	0.9	0.2	0.2	0.5	0.2
14	18	0.1	1.2	0.6	1.6	6.5	6.6	0.9	0.2	0.2	0.5	0.2
15	5.0	0.1	82	b 0.6	1.9	65	4.8	0.7	0.2	0.5	1.4	0.5
16	0.9	0.1	42	0.6	1.9	664	3.1	0.9	0.2	0.2	6.2	0.7
17	0.7	0.1	126	0.8	1.9	105	2.3	0.5	0.2	0.2	2.9	0.7
18	0.4	0.1	31	0.9	1.9	b 34	2.3	0.5	0.2	0.2	0.9	0.2
19	0.3	0.2	10	0.8	611	b 20	2.3	0.5	0.2	0.2	0.7	+
20	0.2	0.4	5.1	0.7	191	61	2.3	0.5	0.5	0.2	0.2	0.7
21	0.2	0.5	4.2	1.3	47	149	2.3	0.5	0.5	0.2	0.2	0.2
22	0.2	0.6	3.0	1.2	20	152	2.3	0.9	0.5	0.5	0.2	0.2
23	0.1	0.4	2.1	1.2	15	48	2.6	0.2	0.5	0.7	+	0.2
24	0.1	0.7	1.4	1.2	12	16	2.3	0.2	0.5	0.5	+	1.4
25	0.1	0.5	1.0	8.4	353	15	2.3	0.2	0.5	0.2	0.2	0.2
26	0.1	0.3	0.6	215	97	14	b 2.3	0.2	0.2	0.2	0.2	0.2
27	0.1	0.4	0.5	59	30	64	2.2	0.2	0.5	0.2	0.5	+
28	0.1	0.6	0.6	b 22	17	68	2.2	0.2	0.5	0.2	0.2	+
29	0.1	0.5	1.0	b 16		16	2.2	0.2	0.2	0.5	+	+
30	0.1	0.3	1.0	b 12		7.7	b 2.1	0.2	+	0.5	+	+
31	6.6		1.2	5.3		14		0.5		0.5	+	
		66.9		362.6		1674.5		24.6		9.2		6.7
	42.7		433.6		2472.2		2788.6		13.5		15.6	
MEAN	1.38	2.2	14.0	11.7	88.3	54.0	93.0	0.79	0.45	0.30	0.50	0.22
ACRE-FEET	85.	133.	860.	719.	4900.	3300.	5530.	49.	27.	18.	31.	13.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 21.7
ACRE-FEET 15660.

76D74M Cib 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

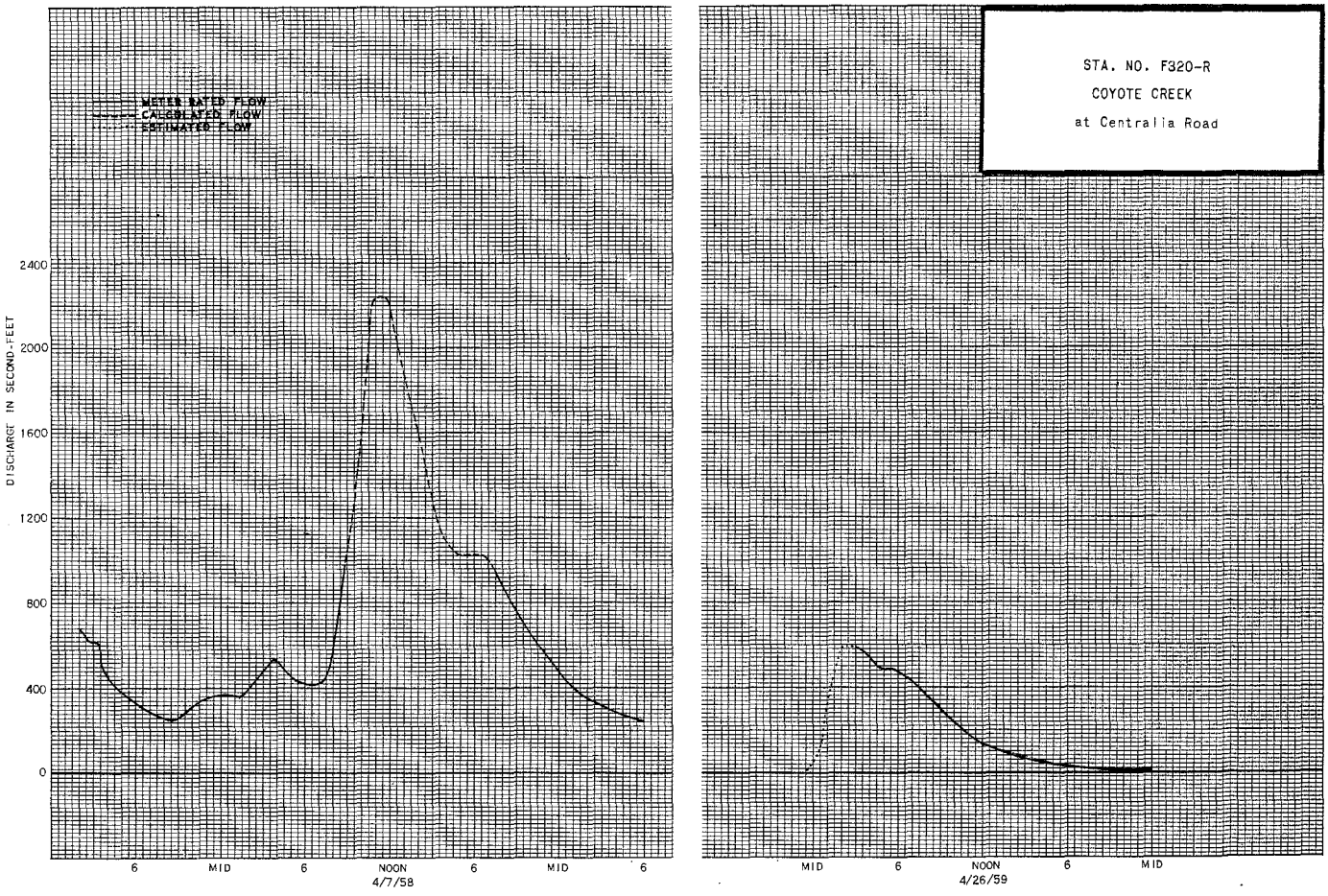
Sta. No. F320-R

Daily discharge, in second-feet of COYOTE CREEK at Centralia Road for the year ending September 30, 19 59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	b 0.2	b 0.5	0.7	0.8	0.8	1.7	1.4	0.8	1.2	1.8	1.5	1.6
2	0.2	0.6	0.7	0.8	0.6	1.7	1.5	0.8	0.5	1.4	1.2	1.2
3	0.2	0.8	0.5	1.0	0.7	1.7	1.6	0.9	0.3	0.9	0.6	0.4
4	0.2	0.9	0.7	1.3	1.1	1.7	1.7	0.5	0.2	1.2	0.8	0.4
5	0.3	1.0	0.9	1.4	0.8	1.5	1.5	0.5	0.3	1.8	0.8	0.7
6	0.3	1.2	0.8	24.6	0.9	1.4	1.4	0.4	0.4	1.7	0.7	0.2
7	0.3	1.1	0.6	29	1.2	1.5	1.6	0.4	0.4	0.9	1.0	0.2
8	0.4	1.0	0.6	5.3	36	2.0	1.2	0.9	1.1	0.7	1.7	0.4
9	0.4	0.9	0.7	b 1.2	8.7	1.8	1.1	0.8	1.6	0.4	2.1	0.4
10	0.4	0.8	0.6	1.1	5.0	1.6	1.1	0.7	1.7	0.4	2.5	0.3
11	0.4	0.7	0.5	1.1	140	1.6	1.2	1.1	1.1	0.5	1.7	b 0.4
12	0.4	0.6	0.4	1.1	28	1.2	1.1	1.4	0.7	0.4	0.6	0.5
13	0.3	0.5	0.7	1.0	b 2.0	1.1	1.1	1.3	1.1	0.6	1.2	0.7
14	0.3	b 0.7	0.7	1.0	b 1.6	1.2	1.2	1.0	1.8	0.9	0.8	b 0.8
15	0.3	0.8	0.4	1.0	b 1.2	1.6	1.0	1.0	1.4	1.0	0.9	0.9
16	0.3	0.6	0.4	1.0	229	1.1	1.1	1.0	1.2	1.0	1.9	1.0
17	0.3	0.6	0.7	0.9	55	1.1	1.5	1.2	1.0	1.0	1.2	1.0
18	0.3	0.7	0.8	0.8	b10	1.9	1.8	2.2	1.1	0.9	1.5	1.3
19	0.2	0.7	0.8	0.8	b 5.0	1.9	2.4	2.9	0.9	1.0	1.6	1.2
20	0.2	0.6	0.8	b 0.7	b 3.0	1.2	b 1.5	2.2	1.7	1.0	1.5	1.6
21	0.2	0.5	0.8	0.8	98	1.2	0.6	2.7	2.4	1.2	1.1	1.4
22	0.2	0.8	0.8	0.8	25	1.2	0.4	2.8	2.3	1.8	1.4	1.8
23	0.2	0.6	0.7	0.7	b 5.0	1.2	b 0.4	2.7	1.8	1.1	2.4	2.4
24	0.2	0.6	0.7	0.7	4.0	1.2	0.7	2.5	1.4	1.4	2.7	2.8
25	0.2	0.6	1.1	0.6	3.0	1.1	b 0.7	1.8	1.0	1.2	3.8	2.4
26	0.2	0.6	0.9	0.6	b 3.0	1.1	219	1.2	1.2	1.2	4.4	2.3
27	0.2	0.8	0.9	0.6	e 2.0	1.2	4.3	1.1	1.7	3.1	4.0	3.6
28	0.2	0.7	0.8	0.5	e 2.0	1.3	b 2.2	1.5	1.2	3.4	4.2	3.8
29	0.2	0.4	0.7	0.5		1.2	b 1.2	1.1	1.8	2.8	4.1	5.4
30	0.2	0.6	0.7	0.6		1.2	b 0.4	1.7	2.1	2.3	2.4	5.4
31	b 0.4		0.7	0.7		1.4		2.3		1.3	1.5	
	8.3	21.5	21.8	304.4	672.6	43.8	257.9	43.4	36.6	40.3	57.8	46.5
MEAN	0.27	0.72	0.70	9.82	24.0	1.41	8.60	1.40	1.22	1.30	1.86	1.55
ACRE-FEET	16.	43.	43.	604.	1330.	87.	512.	86.	73.	80.	115.	92.

Remarks:

YEAR OR PERIOD MEAN 4.26
ACRE-FEET 3080.



STATION F210-R
DOMINGUEZ CHANNEL at Harbor Boulevard

LOCATION: WATER-STAGE RECORDER, LAT. 33°51'21", LONG. 118°18'40", ON THE DOWNSTREAM SIDE OF HARBOR BOULEVARD. ELEVATION OF ZERO GAGE HEIGHT 0.00 FEET.

CHANNEL AND CONTROL: NATURAL ADOBE CHANNEL.

RECORDS AVAILABLE: WATER-STAGE RECORDER RECORDS AVAILABLE FROM JANUARY 5, 1942 TO SEPTEMBER 30, 1959.

PURPOSE: FOR HYDRAULIC STUDIES ONLY. DISCHARGE MEASUREMENTS ARE NOT MADE NOR ARE DAILY FLOWS COMPUTED.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

STATION F265-R
DOMINGUEZ CHANNEL at Carson Street

LOCATION: WATER-STAGE RECORDER, LAT. 33°49'56", LONG. 118°15'12", ON THE LEFT (EAST) BANK ON THE UPSTREAM SIDE OF THE CARSON STREET BRIDGE ABOUT ONE-HALF MILE EAST OF AVALON BOULEVARD. ELEVATION OF ZERO GAGE HEIGHT ABOUT 0.0 FEET.

DRAINAGE AREA: 56 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - DREDGED EARTH.
CONTROL - CHANNEL FORMS CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM UPSTREAM SIDE OF BRIDGE.

RECORDER: AN H.C.F. RECORDER WAS IN SERVICE FROM OCTOBER 1, 1957 TO AUGUST 4, 1959. AN AU RECORDER FROM AUGUST 4, 1959 TO SEPTEMBER 30, 1959.

REGULATION: REGULATED BY LAGUNA-DOMINGUEZ AREA. SUBJECT TO PONDING.

DIVERSIONS: NONE.

RECORDS AVAILABLE: NOVEMBER 23, 1938 TO SEPTEMBER 30, 1959. FOR PREVIOUS RECORDS SEE EARLIER REPORTS ON STATION F46-R, NIGGER SLOUGH AT WILMINGTON AVENUE.

EXTREMES OF DISCHARGE:
1957-58
MAXIMUM 840 SECOND-FEET FEBRUARY 20.
MINIMUM 4.8 SECOND-FEET OCTOBER 1.
1958-59
MAXIMUM 488 SECOND-FEET FEBRUARY 16.
MINIMUM PLUS FLOW APRIL 8.
1938-59
MAXIMUM 1720 SECOND-FEET JANUARY 26, 27, 1956.
MINIMUM NO MEASURABLE FLOW. WATER PONDED AT GAGE.

ACCURACY: GOOD.

REMARKS: DURING CONSTRUCTION OF NEW HIGHWAY BRIDGE AT CARSON STREET, THE STATION WAS LOCATED APPROXIMATELY 200 FEET UPSTREAM ON DOWNSTREAM SIDE OF A TEMPORARY HIGHWAY BRIDGE FROM NOVEMBER 17, 1958 TO AUGUST 3, 1959.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF DOMINGUEZ CHANNEL

AT NEAR Carson Street DURING THE YEAR ENDING SEPTEMBER 30, 1956

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATINGS	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
915	10/3	1130 / 1144	BONADIMAN	21.0	10.7	0.75	6.04	8.0		.6	9	0	FC19
916	10/10	1100 / 1112	"	21.0	10.1	0.79	6.03	8.0		.6	9	0	"
917	10/11	1424 / 1432	BROOK-BONADIMAN	23.0	17.3	0.86	6.28	14.9		.6	9	0	"
918	10/12	1034 / 1048	BONADIMAN	23.5	32.2	1.61	6.77	51.8		.6	9	0	"
919	10/14	1153 / 1210	BROOK-BONADIMAN	22.0	28.1	1.51	6.74	42.4		.6	12	+.02	"
920	10/17	1129 / 142	BONADIMAN	23.0	21.3	1.12	6.40	23.9		.6	9	0	"
921	10/24	1036 / 1046	"	22.0	12.8	0.84	6.08	10.7		.6	9	0	"
922	10/31	1032 / 1046	BROOK-BONADIMAN	20.0	11.7	1.00	6.01	11.6		.6	12	0	FC46
923	11/4	1110 / 1120	BONADIMAN	26.0	27.5	0.68	6.72	18.7		.6	8	0	FC19
924	11/7	1115 / 1128	"	23.8	17.8	0.72	6.35	12.9		.6	9	0	"
925	11/14	1040 / 1052	"	22.0	9.87	0.92	5.99	9.1		.6	9	0	"
926	11/21	1035 / 1046	"	22.0	9.53	0.99	5.96	9.4		.6	9	0	"
927	11/27	1034 / 1046	"	22.5	10.4	0.77	6.02	8.0		.6	9	0	"
928	12/5	1246 / 1300	BROOK-BONADIMAN	21.5	14.3	1.03	6.16	14.7		.6	9	0	FC46
929	12/6	1302 / 1316	" "	31.5	53.7	1.22	7.22	65.8		.6	14	0	"
930	12/12	1110 / 1124	BONADIMAN	22.0	12.8	0.84	6.03	10.7		.6	9	0	FC19
931	12/15	1945 / 2000	BROOK-BONADIMAN	33.1	96.1	1.35	7.70	130.		.6	9	+.07	"
932	12/16	1315 / 1340	" "	33.1	108.	1.30	7.98	140.		.6	12	-.04	"
933	12/17	1337 / 1355	" "	38.0	136.	1.95	9.01	265.		.6	12	+.01	"
934	12/17	1415 / 1440	" "	38.0	139.	1.86	9.02	259.		.6	12	0	"
935	12/18	1526 / 1540	" "	33.0	89.3	1.37	7.48	122.		.6	10	-.02	FC46
936	12/19	1114 / 1130	BONADIMAN	33.1	61.9	0.83	6.92	51.5		.6	11	-.02	FC19
937	12/26	1052 / 1102	"	21.0	10.7	1.04	6.02	11.1		.6	8	0	FC46
938	1/2	1110 / 1120	"	21.5	9.32	0.90	5.92	8.3		.6	9	0	FC19
939	1/9	1115 / 1128	"	22.5	11.0	0.91	5.99	10.9		.6	9	0	"
940	1/16	1050 / 1100	"	21.5	11.8	0.81	6.10	9.6		.6	8	0	"
941	1/23	1116 / 1126	MOSES-BONADIMAN	22.0	11.9	0.65	5.99	7.7		.6	9	0	"
942	1/26	1019 / 1037	BROOK-BONADIMAN	33.1	152.	2.24	9.49	341.		.6	13	+.06	"
943	1/27	1307 / 1324	" "	33.1	108.	1.40	8.00	151.		.6	12	-.02	"
944	1/30	1132 / 1145	BONADIMAN	23.0	19.4	1.40	6.43	27.3		.6	9	0	FC61
945	2/3	1200 / 1219	BONADIMAN-MOSES	33.1	88.8	0.90	7.32	79.8		.6	11	+.06	FC19
946	2/4	0712 / 0731	BROOK	38.0	177.	2.02	9.61	358.		.6	11	+.04	FC35
947	2/4	1313 / 1326	BONADIMAN-MOSES	33.1	166.	2.60	9.98	432.		.6	11	+.05	FC19
948	2/5	1445 / 1458	BROOK-BONADIMAN	33.1	159.	1.85	8.97	295.		.6	11	-.02	"
949	2/13	1128 / 1140	BONADIMAN	22.0	13.4	1.15	6.11	15.4		.6	9	0	"
950	2/19	1838 / 1855	BROOK-BONADIMAN	38.0	254.	3.10	11.72	789.		.6	12	0	FC46
951	2/20	1500 / 1522	" "	38.0	251.	3.35	11.37	842.		.6	12	-.02	FC19
952	2/25	1338 / 1352	" "	38.0	204.	2.36	10.10	482.		.6	12	+.04	"
953	2/26	1312 / 1334	" "	33.1	156.	1.83	8.91	286.		.6	12	-.04	"
954	2/27	1120 / 1140	BONADIMAN	38.0	103.	1.13	7.64	116.		.6	13	-.02	"
955	3/6	1600 / 1614	BROOK-BONADIMAN	21.0	20.9	1.28	6.47	26.7		.6	9	0	"
956	3/13	1055 / 1110	BONADIMAN	22.0	17.2	1.08	6.28	18.6		.6	9	0	"
957	3/16	0822 / 0843	BROOK-BONADIMAN	33.1	213.	3.30	11.05	703.		.6	11	-.02	"
958	3/17	1315 / 1330	" "	33.1	195.	3.19	10.52	623.		.6	12	+.01	"
959	3/20	1137 / 1150	BONADIMAN	38.0	76.3	1.17	7.17	89.3		.6	12	0	"
960	3/21	0620 / 0638	BROOK-BONADIMAN	33.1	163.	2.35	9.58	383.		.6	14	0	"
961	3/22	1208 / 1220	BROOK-BONADIMAN	33.1	171.	2.50	9.77	428.		.6	13	0	FC19
962	3/27	1806 / 1817	" "	33.1	120.	1.51	8.28	181.		.6	13	+.06	"
963	3/28	1430 / 1445	BROOK	33.1	114.	1.61	8.16	183.		.6	12	-.02	"
964	3/31	1100 / 1112	BONADIMAN	22.0	21.7	1.33	6.52	28.8		.6	9	0	"
965	4/1	1907 / 1920	BROOK-BONADIMAN	33.0	139.	2.04	8.98	283.		.6	12	+.06	"
966	4/2	1233 / 1248	" "	33.0	140.	2.03	8.92	284.		.6	13	-.02	"
967	4/3	1622 / 1634	" "	33.0	134.	1.92	8.78	257.		.6	14	+.02	"
968	4/4	0834 / 0859	" "	33.0	128.	1.76	8.50	225.		.6	14	-.03	"
969	4/6	1905 / 1920	" "	33.0	112.	1.54	8.12	172.		.6	14	+.08	"
970	4/7	1627 / 1640	" "	33.0	177.	2.50	10.04	443.		.6	14	+.01	"
971	4/10	1135 / 1150	BONADIMAN	33.0	80.3	1.07	7.19	85.8		.6	13	0	"
972	4/17	1130 / 1140	"	23.0	14.3	1.10	6.08	15.7		.6	8	0	"
973	4/24	1124 / 134	"	23.0	11.7	0.80	5.97	9.40		.6	8	0	"
974	5/1	1110 / 1125	"	22.0	11.7	0.85	5.97	9.9		.6	10	0	"
975	5/8	1215 / 1225	"	23.5	12.1	0.79	5.97	9.6		.6	8	0	"
976	5/15	1125 / 135	"	22.5	11.9	0.86	5.98	10.3		.6	9	0	"
977	5/22	1055 / 1110	"	23.5	11.4	0.72	5.96	8.2		.6	10	0	"
978	5/29	1130 / 142	"	22.5	14.2	0.70	5.89	10.0		.6	8	0	"
979	6/5	1144 / 1155	"	22.0	10.9	0.79	5.95	8.6		.6	8	0	"
980	6/12	1132 / 144	BONADIMAN-LINDSAY	19.0	9.13	0.89	5.91	8.1		.6	10	0	"
981	6/19	1135 / 1146	BONADIMAN-LOHMANN	18.5	10.2	0.85	5.95	8.7		.6	9	0	"
982	6/26	1115 / 1125	BONADIMAN	17.5	11.3	0.87	5.99	9.9		.6	8	0	"
983	7/3	1152 / 1208	"	19.5	11.9	0.74	5.97	8.8		.6	10	0	"
984	7/10	1120 / 1130	"	19.0	10.6	0.88	5.92	9.3		.6	8	0	"
985	7/17	1120 / 1130	"	19.0	12.9	0.86	6.06	11.0		.6	8	0	"
986	7/24	1127 / 1135	BONADIMAN-JORDAN	19.0	11.1	0.77	5.95	8.5		.6	8	0	"
987	7/31	1100 / 1110	BONADIMAN	19.0	11.5	0.78	5.96	9.4		.6	8	0	"
988	8/7	1137 / 1155	BONADIMAN-JORDAN	20.0	12.4	0.80	6.03	10.0		.6	8	0	"
989	8/14	1107 / 118	BONADIMAN	20.0	12.7	0.85	5.98	10.8		.6	9	0	"
990	8/21	1116 / 1126	"	19.5	12.8	0.80	5.97	10.2		.6	8	0	"
991	8/28	1100 / 1110	"	4.5	1.93	2.28	5.59	4.4		.6	7	0	"
992	9/4	1110 / 1120	BROOK	5.5	2.20	3.82	5.96	8.4		.5 .6	7	0	FC35
993	9/25	1428 / 1438	BONADIMAN	24.0	14.8	0.97	6.01	14.3		.6	8	0	FC19

DISCHARGE MEASUREMENTS OF DOMINGUEZ CHANNEL

AT ~~NEAR~~ Carson Street DURING THE YEAR ENDING SEPTEMBER 30, 1959

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
994	10/2	1110 / 1126	BONADIMAN	26.0	15.4	0.77	5.99	11.8		.6	13	0	FC19
995	10/9	1110 / 1122	"	26.0	13.6	0.93	5.96	12.6		.6	9	0	"
996	10/16	1044 / 1054	"	24.0	11.2	0.86	5.89	9.6		.6	9	0	"
997	10/23	1130 / 1150	WALTER-BONADIMAN	26.0	15.0	0.67	5.99	10.0		.6	10	0	"
998	10/30	1105 / 1115	BONADIMAN	26.0	13.3	0.80	5.93	10.6		.6	8	0	"
999	11/6	1034 / 1044	"	25.0	13.6	0.83	5.97	11.3		.6	9	0	"
1000	11/13	1140 / 1150	"	24.0	14.8	0.80	5.92	11.8		.6	7	0	"
1001	11/20	1120 / 1130	"	24.0	14.1	0.78	5.95	11.0		.6	8	0	"
1002	11/26	1105 / 1115	"	25.0	14.9	0.77	5.98	11.5		.6	8	0	"
1003	12/4	1135 / 1145	"	26.0	13.5	0.79	5.99	10.7		.6	8	0	"
1004	12/11	1100 / 1115	PETERSEN-BONADIMAN	25.0	16.1	0.64	5.98	10.3		.6	8	0	FC46
1005	12/18	1030 / 1040	BONADIMAN	25.0	16.0	0.81	5.96	13.0		.6	7	0	FC19
1006	12/26	1055 / 1105	"	26.0	16.5	0.69	5.97	11.4		.6	8	0	"
1007	1/2	1102 / 1115	"	25.0	17.4	0.72	6.06	12.6		.6	8	0	"
1008	1/6	1535 / 1552	BROOK-BONADIMAN	38.0	161.	1.95	9.33	314.		.6	13	+.04	"
1009	1/7	1426 / 1440	" "	38.0	111.	1.41	8.04	157.		.6	12	-.02	"
1010	1/8	1100 / 1115	BONADIMAN	38.0	60.4	1.28	6.95	77.1		.6	12	-.02	"
1011	1/15	1030 / 1040	"	25.0	18.6	0.72	5.98	13.4		.6	8	0	"
1012	1/22	1044 / 1054	"	25.0	16.8	0.67	5.94	11.2		.6	9	0	"
1013	1/29	1104 / 1114	"	26.0	16.8	0.68	5.95	11.5		.6	8	0	"
1014	2/5	1125 / 1135	"	25.0	18.3	0.59	6.14	10.8		.6	8	0	"
1015	2/8	1600 / 1615	BROOK-BONADIMAN	26.0	31.6	0.46	6.67	14.4		.6	9	0	"
1016	2/9	1122 / 1140	" "	48.0	95.8	0.80	7.33	76.6		.6	12	0	"
1017	2/11	1405 / 1418	" "	47.0	91.2	0.84	7.23	77.0		.6	13	+.02	"
1018	2/12	1430 / 1445	" "	51.0	130.	1.14	7.92	148.		.6	13	0	"
1019	2/16	1752 / 1816	" "	51.3	235.	2.04	10.44	479.		.6	12	0	"
1020	2/17	1246 / 1302	" "	48.7	200.	1.86	9.66	373.		.6	14	0	"
1021	2/19	1210 / 1226	BONADIMAN	42.6	81.2	1.23	7.30	100.		.6	12	-.02	"
1022	2/21	1822 / 1840	BROOK-BONADIMAN	47.8	142.	1.62	8.56	231.		.6	14	+.08	"
1023	2/22	0930 / 0945	BROOK-BONADIMAN	47.8	146.	1.59	8.73	232.		.6	14	-.02	FC19
1024	2/26	1125 / 1136	BONADIMAN	24.0	27.4	1.24	6.63	34.1		.6	8	0	"
1025	3/5	1056 / 1106	"	16.0	14.6	1.14	6.21	12.8		.6	7	0	"
1026	3/12	1110 / 1120	"	2.0	0.80	2.00	7.91	1.6		.6	5	0	"
1027	3/19	1124 / 1134	"	3.0	2.10	2.57	8.64	5.4		.6	6	0	"
1028	3/26	1055 / 1105	"	7.0	4.43	1.91	8.64	8.5		.6	7	0	"
1029	4/2	1115 / 1125	"	7.0	7.00	1.56	6.58	10.9		.6	7	0	"
1030	4/9	1100 / 1110	"	4.5	2.75	1.75	8.45	4.8		.6	6	0	"
1031	4/16	1115 / 1125	"	18.0	15.0	0.86	6.11	12.9		.6	7	0	"
1032	4/23	1140 / 1150	"	18.0	14.8	0.78	6.08	11.6		.6	7	0	"
1033	4/30	1140 / 1150	"	20.0	21.5	1.12	6.50	24.1		.6	8	0	"
1034	5/7	1112 / 1122	"	18.0	14.4	0.72	6.02	10.3		.6	7	0	"
1035	5/14	1105 / 1115	"	18.5	11.9	0.81	6.01	9.6		.6	7	0	"
1036	5/21	1120 / 1132	"	18.5	15.2	0.78	6.02	11.8		.6	9	0	"
1037	5/28	1100 / 1115	"	18.5	16.0	0.71	6.04	11.4		.6	8	0	"
1038	6/4	1135 / 1145	"	18.5	15.1	0.75	6.07	11.2		.6	8	0	"
1039	6/18	1120 / 1130	"	17.5	14.2	0.71	6.02	10.1		.6	8	0	"
1040	6/25	1105 / 1115	"	18.0	15.6	0.67	6.04	10.5		.6	8	0	"
1041	7/2	1115 / 1126	"	18.0	13.8	0.77	6.10	10.6		.6	7	0	"
1042	7/9	1110 / 1120	"	18.0	15.2	0.69	6.10	10.6		.6	9	0	"
1043	7/16	1110 / 1120	"	18.0	15.2	0.79	6.10	12.0		.6	7	0	"
1044	7/23	1042 / 1052	"	18.5	16.0	0.76	6.18	12.1		.6	8	0	"
1045	7/30	1120 / 1130	"	17.0	14.0	0.78	6.06	11.0		.6	7	0	"
1046	8/6	1050 / 1100	"	18.0	16.0	0.78	6.10	12.4		.6	7	0	"
1047	8/27	1030 / 1045	"	30.0	17.0	0.63	6.02	10.7		.6	11	0	"
1048	9/10	1103 / 1110	BROOK	20.0	12.6	0.80	6.04	10.1		.6	7	0	FC35
1049	9/17	1056 / 1113	"	CHANNELS			6.05	11.4		.5 .6	13	0	"
1050	9/24	1100 / 1116	BONADIMAN	30.0	19.3	0.67	6.09	13.0		.6	12	0	FC19

76DT4M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F265

Daily discharge, in second-feet of DOMINGUEZ CHANNEL at Carson Street, for the year ending September 30, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4.8	13	9.3	9.6	23	45	131	10	12	6.2	8.6	10
2	7.7	13	7.7	9.0	19	34	286	10	9.3	7.0	9.3	8.0
3	7.7	16	7.0	8.0	123	36	210	10	8.3	8.0	8.3	8.0
4	8.3	19	8.3	8.7	418	29	205	10	8.0	7.3	8.6	7.7
5	7.7	19	27	8.7	316	22	93	9.3	8.6	7.0	9.3	7.0
6	8.3	14	58	9.3	112	29	114	9.6	8.6	7.0	10	7.0
7	8.0	13	43	8.3	64	46	364	9.6	8.0	8.3	10	7.0
8	8.6	9.0	27	9.0	46	32	324	9.3	7.0	9.6	9.6	8.0
9	9.6	8.0	16	10	36	18	148	9.3	7.3	9.0	11	9.6
10	11	7.3	13	11	28	13	88	9.6	7.0	9.3	10	10
11	22	7.7	11	17	20	17	53	9.6	7.7	8.3	10	10
12	42	6.7	11	15	19	21	37	9.6	8.6	8.6	11	11
13	33	7.7	11	11	16	20	27	10	8.6	9.0	11	12
14	54	9.0	12	8.7	15	17	22	10	9.0	8.6	11	12
15	58	10	71	8.0	15	94	24	10	9.3	10	12	12
16	37	10	152	9.0	13	681	16	10	9.0	8.6	11	12
17	24	11	198	9.6	13	607	16	10	9.0	11	9.6	14
18	17	10	137	8.3	13	356	15	10	8.0	12	8.3	13
19	13	11	56	6.5	502	162	15	9.6	8.3	11	9.0	24
20	12	10	34	6.7	819	117	12	9.3	9.3	10	9.6	16
21	12	a 9.6	24	7.0	609	338	10	9.0	9.3	9.6	11	13
22	11	9.3	18	7.3	315	364	10	8.3	7.3	10	10	15
23	11	9.1	14	8.0	156	221	9.6	8.0	8.6	9.0	9.3	14
24	9.6	8.8	12	8.4	92	97	9.6	9.3	8.3	8.6	9.6	14
25	8.6	8.5	11	28	347	65	9.0	9.3	9.0	7.7	9.6	14
26	8.3	a 8.3	11	264	290	51	9.6	9.3	9.6	9.3	10	15
27	9.0	8.0	10	166	123	118	10	10	9.6	9.6	10	16
28	9.3	11	10	59	75	203	10	10	9.0	9.3	10	15
29	10	11	10	36		87	10	11	7.3	10	10	16
30	11	9.3	10	29		49	11	10	6.7	11	10	14
31	11		10	26		30		11		9.3	10	
		3173		8301		40190		3000		2792		3643
	5045		10493		46370		2298.8		255.6		306.7	
MEAN	16.3	10.6	33.8	26.8	166.	130.	76.6	9.67	8.54	9.01	10.3	12.4
ACRE-FEET	1000.	629.	2080.	1650.	9200.	7970.	4560.	595.	507.	554.	608.	723.

Remarks:

YEAR OR PERIOD MEAN 41.5
ACRE-FEET 30,080.

T6D7GM Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

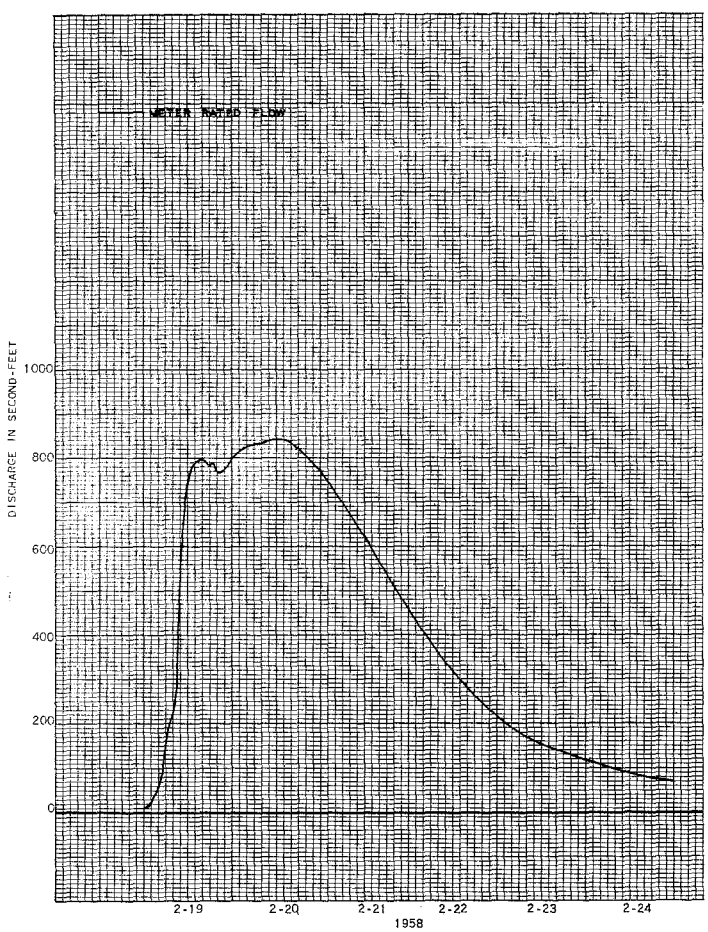
Sta. No. F265-R

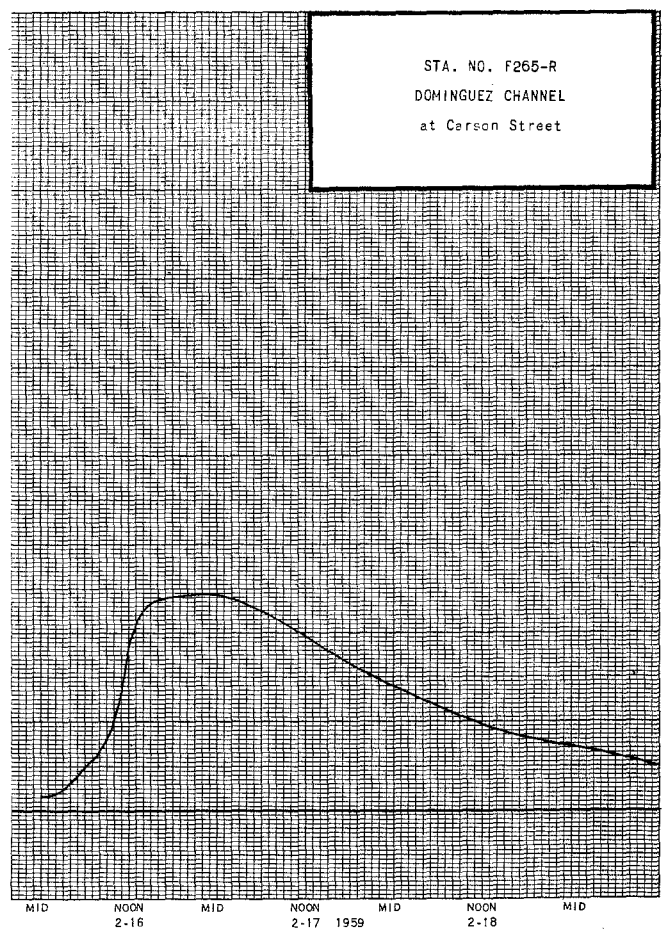
Daily discharge, in second-feet of DOMINGUEZ CHANNEL at Carson Street, for the year ending September 30, 19 59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	13	10	11	11	12	17	c 11	12	12	11	14	12
2	12	9.6	11	11	12	17	11	12	11	10	13	12
3	12	10	10	12	6.5	17	c 11	14	10	9.6	13	a 11
4	12	10	12	12	5.9	16	11	11	11	10	13	11
5	13	10	11	12	10	14	11	13	10	10	13	11
6	13	11	11	191	12	14	10	13	10	10	13	11
7	13	9.0	10	184	12	13	3.5	11	10	12	12	11
8	13	a 11	11	73	20	13	c +	10	14	11	11	a 11
9	13	11	11	37	67	c 7.0	4.8	11	15	11	10	11
10	12	11	11	26	48	c 5.0	c 6.0	11	15	11	10	12
11	12	12	10	21	83	c 3.0	8.0	11	15	11	10	12
12	12	a 12	11	18	147	1.6	10	11	14	11	10	12
13	11	12	12	16	97	c 2.1	12	11	14	13	9.3	12
14	10	13	11	14	48	2.6	12	9.3	12	14	11	13
15	9.6	12	11	14	33	3.1	c 13	11	12	13	11	14
16	9.6	12	12	12	297	3.6	13	11	13	12	9.0	13
17	9.6	12	12	12	390	4.2	13	12	13	11	9.0	12
18	9.0	9.3	13	13	205	c 4.8	13	9.0	11	12	9.0	12
19	9.3	12	14	14	105	5.4	13	14	13	13	9.6	11
20	9.0	12	13	13	58	c 5.8	12	13	13	13	12	10
21	8.3	13	13	12	132	6.2	11	11	13	13	11	16
22	9.0	13	12	13	221	6.6	11	9.6	13	13	11	13
23	10	12	12	13	108	7.1	12	12	12	13	10	15
24	10	12	12	13	54	7.6	9.0	12	12	13	9.6	13
25	24	11	12	14	39	8.1	9.6	12	11	13	11	13
26	31	12	12	13	34	8.5	18	13	13	13	11	13
27	25	12	12	13	22	8.8	34	12	12	12	11	13
28	18	12	11	12	20	9.2	29	12	12	10	10	14
29	18	12	9.6	11		9.5	12	12	12	11	12	15
30	12	11	10	12		9.9	14	13	12	12	10	15
31	11		10	13		c 10		13		12	10	
	403.4		353.6		2299.4		357.9		370.0		338.5	
		340.9		855.0		270.7		361.9		363.6		374.0
MEAN	13.0	11.4	11.4	27.6	82.1	8.73	11.9	11.7	12.3	11.7	10.9	12.5
ACRE-FEET	800.	676.	701.	1700.	4560.	537.	710.	718.	734.	721.	671.	743.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 18.3
ACRE-FEET 13270.





STATION F53-R
DUME CREEK at Roosevelt Highway

LOCATION: WATER-STAGE RECORDER, LAT. 34°01'02", LONG. 118°49'00", ON THE DOWNSTREAM SIDE OF ROOSEVELT HIGHWAY BRIDGE NEAR DUME POINT ABOUT 0.2 MILE FROM PACIFIC OCEAN, 22 MILES WEST OF SANTA MONICA. ELEVATION OF ZERO GAGE HEIGHT, 10.01 FEET.

DRAINAGE AREA: 8.8 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - SAND AND GRAVEL.
CONTROL - CHANNEL FORMS CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM HIGHWAY BRIDGE.

RECORDER: A-STEVENS, TYPE A-35 CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1957, TO SEPTEMEER 30, 1959.

REGULATION: NONE.

DIVERSIONS: NONE.

RECORDS AVAILABLE: JANUARY 15, 1930 TO NOVEMBER 26, 1937; NOVEMBER 3, 1938 TO SEPTEMBER 30, 1959.

EXTREMES OF DISCHARGE:
1957-58
MAXIMUM 466 SECOND-FEET FEERUARY 25.
MINIMUM NO FLOW MOST OF YEAR.
1958-59
MAXIMUM 159 SECOND-FEET FEERUARY 16.
MINIMUM NO FLOW MOST OF YEAR.
1930-59
MAXIMUM DISCHARGE NOT DETERMINED, MARCH 2, 1938.
MAXIMUM DISCHARGE OF RECORD, 2750 SECOND-FEET, DECEMBER 31, 1933.
MINIMUM NO FLOW MOST YEARS.

ACCURACY: POOR DURING HIGH FLOWS, FAIR DURING LOW FLOWS.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF DUME CREEK

AT ~~NEAR~~ Roosevelt Highway DURING THE YEAR ENDING SEPTEMBER 30, 19~~56~~

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
227	12/17	1155 / 1200	SJOSTEDT	7.5	2.60	1.77	1.90	4.6		.5	9	0	FC47
228	2/3	0655 / 0710	SJOSTEDT-CARABA	CHANNELS			2.14	66.3		.5/.6	17	0	"
229	2/3	2125 / 2132	" "	13.0	6.74	2.54	1.80	17.1		.6	11	0	"
230	2/4	0907 / 0916	" "	CHANNELS			2.00	46.0		.6	13	-.01	"
231	2/5	0205 / 0213	" "	13.0	8.25	2.31	1.80	19.5		.5/.6	5	-.01	"
232	2/5	1545 / 1600	CARABA-SJOSTEDT	10.0	5.66	2.21	1.66	12.5		.5/.6	11	0	"
233	2/6	1530 / 1540	SJOSTEDT	9.0	4.07	1.25	1.48	5.10		.5/.6	10	-.01	"
234	2/19	1010 / 1025	SJOSTEDT-CARABA	33.0	49.6	5.02	3.45	249.		.6	12	-.06	"
235	2/20	0040 / 0048	" "	14.0	10.5	3.05	2.08	32.0		.6	8	0	"
236	2/20	1640 / 1653	" "	12.0	4.98	2.47	1.81	12.3		.5/.6	13	+.37	"
237	2/25	1122 / 1137	" "	24.5	24.1	4.60	2.90	111.		.5	15	-.02	"
238	2/25	2348 / 2358	" "	19.0	11.0	3.28	2.32	36.1		.5/.6	11	-.01	"
239	2/27	1545 / 1555	SJOSTEDT	4.5	1.66	2.63	1.94	4.4		.5/.6	7	0	"
240	3/15	1404 / 1426	SJOSTEDT-CARABA	26.0	21.1	4.84	3.02	102.		.5/.6	15	+.02	"
241	3/16	2025 / 2040	" "	25.0	14.8	3.74	2.96	55.4		.5/.6	14	+.28	"
242	3/17	1355 / 1410	CARABA-SJOSTEDT	25.0	9.87	3.12	2.90	30.8		.5/.6	14	0	"
243	3/20	1430 / 1445	SJOSTEDT	16.0	3.29	2.07	2.67	6.8		.5/.6	13	+.07	FC50
243a	3/26	1510 / 1520	SJOSTEDT	6.0	2.26	2.36	2.46	5.3		.6	10	0	"
244	3/27	1515 / 1530	SJOSTEDT-CARABA	23.5	9.11	2.89	2.83	26.3		.5/.6	13	-.01	FC47
245	4/1	1337 / 1345	" "	27.0	26.4	5.05	3.24	133.		.6	15	+.02	"
246	4/2	1505 / 1515	CARABA-SJOSTEDT	24.0	9.34	2.62	2.89	24.4		.5/.6	13	0	"
247	4/3	1210 / 1221	SJOSTEDT-CARABA	27.0	25.0	5.51	3.44	136.		.6	15	+.04	"
248	4/7	1005 / 1025	CARABA-SJOSTEDT	30.0	26.0	4.09	3.53	106.		.5/.6	17	-.04	"
249	4/8	1205 / 1227	CARABA	27.0	13.4	2.41	3.25	32.3		.5	15	0	FC47
250	4/10	1430 / 1445	SJOSTEDT	25.0	8.32	1.95	3.12	16.2		.5/.6	13	0	FC50
251	4/17	1330 / 1340	"	6.0	2.56	1.68	2.91	4.3		.6	7	0	"
252	4/24	1520 / 1535	"	9.0	1.72	0.93	2.82	1.6		.5	10	0	"
253	5/1	1540 / 1550	"	5.5	1.24	1.05	2.82	1.3		.5	7	0	"
254	5/8	1615 / 1625	"	6.0	1.06	0.75	2.77	0.82		.5	7	0	"
255	5/15	1415 / 1420	"	2.5	0.57	1.53	2.45	0.87		.6/.5	6	0	"
256	5/22	1505 / 1515	"	3.5	0.87	1.02	2.44	0.89		.5/.6	8	0	"
257	5/29	1325 / 1335	"	3.5	0.80	1.21	2.42	0.97		.5	8	0	"
258	6/5	1515 / 1525	"	4.0	0.56	1.14	2.42	0.64		.5	9	0	"
259	6/12	1425 / 1435	"	3.00	0.46	1.26	2.42	0.58		.5	7	0	"
260	6/19	1400 / 1410	"	4.00	0.77	1.04	2.40	0.80		.5	6	0	"
261	6/26	1300 / 1305	ROY-SJOSTEDT	4.80	1.41	0.48	2.39	0.68		.6	7	0	"
262	7/10	1250 / 1300	SJOSTEDT	2.50	0.38	1.13	2.42	0.43		.5	6	0	"
263	7/17	1250 / 1300	ROY	2.50	0.36	1.00	2.47	0.36		.5	6	0	"
264	7/24	1310 / 1315	BROOK-ROY	2.50	0.47	1.28	2.52	0.60		.6	6	0	"
265	7/31	1240 / 1250	ROY	2.30	0.35	1.31	2.51	0.46		.5	6	0	"
266	8/7	1303 / 1310	BROOK	2.30	0.51	0.88	2.49	0.45		.5	6	0	"
267	8/14	1255 / 1300	"	2.30	0.53	0.91	2.50	0.48		.5	6	0	"
268	8/21	1236 / 1242	"	2.30	0.51	0.98	2.50	0.50		.5	6	0	"
269	8/28	1220 / 1226	"	2.00	0.48	0.60	2.56	0.29		.5	6	0	"
270	9/4	1410 / 1415	SJOSTEDT	1.20	0.18	1.17	2.58	0.21		.5	5	0	"
271	9/11	1445 / 1450	"	1.2	0.26	1.00	2.59	0.26		.5	5	0	"
272	9/19	1355 / 1400	"	1.2	0.16	1.37	2.55	0.22		.5	5	0	"
273	9/25	1500 / 1505	SJOSTEDT-WALTER	1.0	0.13	1.38	2.53	0.18		.5	5	0	"

DISCHARGE MEASUREMENTS OF DUME CREEK

AT Roosevelt Highway DURING THE YEAR ENDING SEPTEMBER 30, 19 59

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
274	10/2	1340 / 1355	SJOSTEDT	1.2	0.10	0.90	2.48	0.09		.5	5	0	FC50
275	10/9	1455 / 1500	"	0.9	0.08	1.12	2.44	0.09		.5	5	0	"
276	10/16	1415 / 1420	WALTER-SJOSTEDT	0.9	0.08	0.88	2.42	0.07		.5	5	0	"
277	10/23	1430 / 1435	SJOSTEDT	0.8	0.06	0.67	2.41	0.04		.5	5	0	"
278	10/30	1445 / 1450	PETERSEN-SJOSTEDT	1.0	0.06	0.50	2.40	0.03		.5	5	0	"
279	11/6	1350 / 1355	SJOSTEDT	0.8	0.05	0.40	2.41	0.02		.5	5	0	"
280	12/4	1135 / 1145	BOWMAN	0.6	0.02	0.25	2.38	0.01		.5	3	0	FC60

T6D76M Cab 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F53-R

Daily discharge, in second-feet of DUME CREEK at Roosevelt Highway for the year ending September 30, 1958

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0.2	65	1.2	0.8	0.5	0.4	0.2
2	0	0	0	0	0	0	33	1.0	0.8	0.4	0.4	0.2
3	0	0	0	0	28	0	108	1.0	0.7	0.4	0.4	0.2
4	0	0	0	0	40	0	59	0.9	0.6	0.4	0.4	0.2
5	0	0	+	0	15	0	36	0.8	0.6	0.4	0.4	0.2
6	0	0	0	0	6.5	0	53	0.8	0.6	0.4	0.4	0.2
7	0	0	0	0	4.5	0	88	0.8	0.6	0.4	0.4	0.1
8	0	0	0	0	5.3	0	36	0.8	0.6	0.4	0.4	0.1
9	0	0	0	0	3.7	0	25	0.8	0.6	0.4	0.4	0.1
10	0	0	0	0	0	0	18	0.8	0.6	0.4	0.4	0.2
11	0	0	0	0	0	0	13	0.8	0.6	0.4	0.4	0.2
12	0	0	0	0	0	0	11	0.8	0.6	0.4	0.4	0.2
13	0	0	0	0	0	0	8.6	0.8	0.6	0.4	0.4	0.2
14	0	0	0	0	0	20	8.0	0.9	0.6	0.3	0.4	0.2
15	0	0	0.7	0	0	72	7.1	0.9	0.6	0.3	0.4	0.2
16	0	0	0.1	0	0	133	6.2	1.0	0.6	0.2	0.4	0.2
17	0	0	5.7	0	0	35	4.8	0.9	0.7	0.2	0.4	0.2
18	0	0	0.1	0	0	11	4.0	0.9	0.8	0.2	0.5	0.2
19	0	0	0	0	101	6.1	3.2	0.9	0.8	0.2	0.6	0.2
20	0	0	0	0	19	8.4	2.8	0.9	0.8	0.2	0.6	0.2
21	0	0	0	0	b 5.3	9.1	2.5	0.9	0.8	0.3	0.5	0.2
22	0	0	0	0	b 0.8	62	2.0	0.9	0.8	0.3	0.5	0.2
23	0	0	0	0	0	21	1.8	0.9	0.8	0.4	0.4	0.2
24	0	0	0	0	0	8.9	1.5	0.9	0.8	0.4	0.4	0.2
25	0	0	0	1.0	122	6.1	1.2	0.9	0.8	0.4	0.3	0.2
26	0	0	0	29	28	5.4	1.5	0.9	0.7	0.4	0.3	0.2
27	0	0	0	4.1	6.8	21	1.2	0.9	0.7	0.4	0.3	0.2
28	0	0	0	0	f 2.7	2.0	1.2	1.0	0.6	0.4	0.3	0.2
29	0	0	0	0		0.8	1.2	1.0	0.6	0.4	0.4	0.1
30	0	0	0	0		1.4	1.2	0.9	0.5	0.4	0.3	0.1
31	0		0	0		0.7		0.8		0.4	0.2	
		0		34.1		424.1		27.7		11.1		5.5
	0		6.6		388.6		605.0		20.3		12.4	
MEAN	0	0	0.21	1.10	13.9	13.7	20.2	0.89	0.68	0.36	0.40	0.18
ACRE-FEET	0	0	13.	68.	771.	841.	1200.	55.	40.	22.	25.	11.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 4.21
ACRE-FEET 3050.

T6D76M Cab 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F53-R

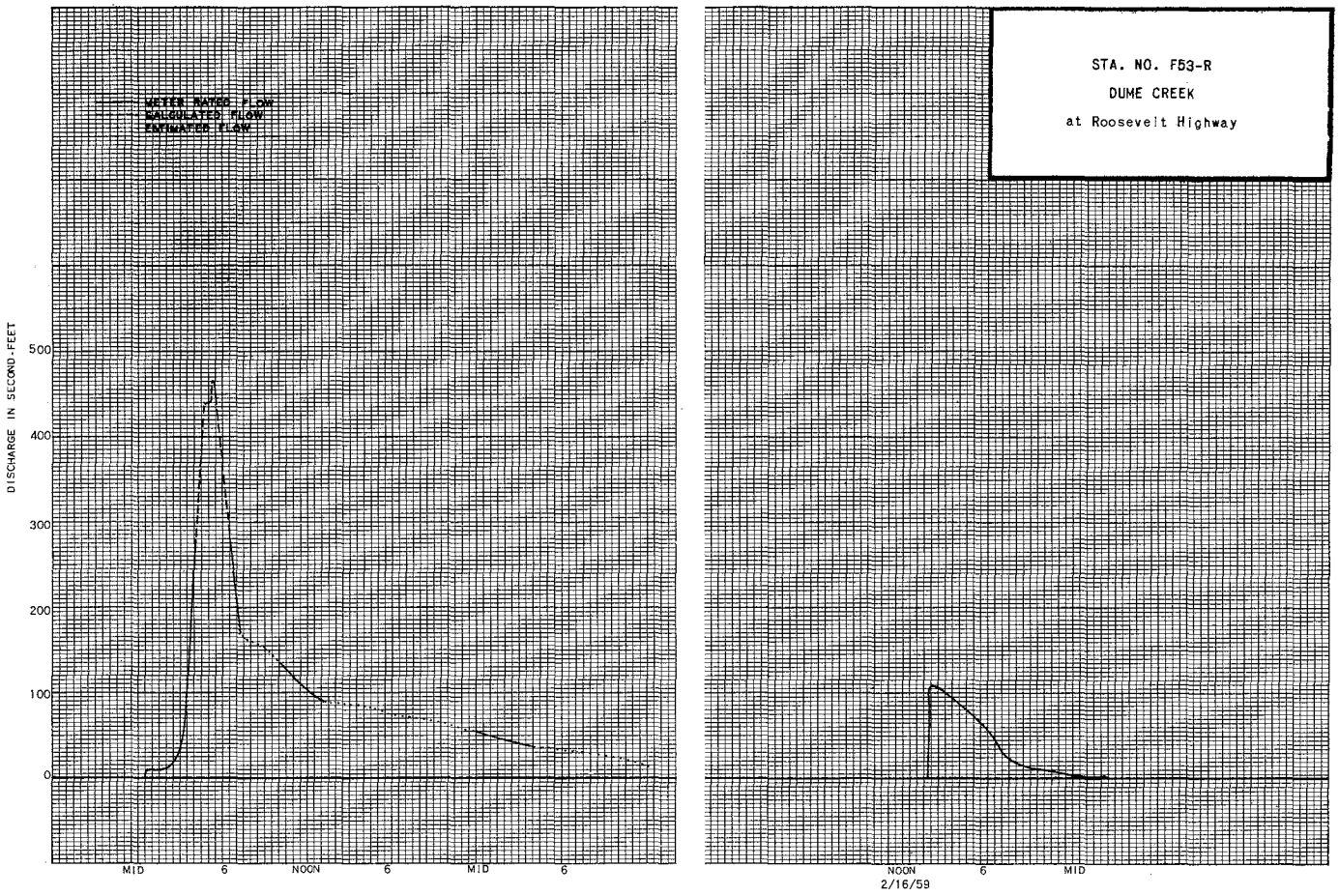
Daily discharge, in second-feet of DUME CREEK at Roosevelt Highway for the year ending September 30, 1959

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.1	+	+	0	0	0	0	0				
2	0.1			0	0	0	0	0				
3	0.1			0	0	0	0	0				
4	0.1			0	0	0	0	0				
5	0.1		+	+	0	0	0	0				
6	0.1		0	0.7	0	0	0	0				
7	0.1		0	0	0	0	0	0				
8	0.1		0	0	0	0	0	0				
9	0.1		0	0	0	0	0	0				
10	0.1		0	0	0	0	0	0				
11	0.1		0	0	+	0	0	0				
12	0.1		0	0	0	0	0	0				
13	0.1		0	0	0	0	0	0				
14	0.1		0	0	0	0	0	0				
15	0.1		0	0	0	0	0					
16	0.1		0	0	24	0	0					
17	0.1		0	0	0.2	0	0					
18	0.1		0	0	0	0	0					
19	0.1		0	0	0	0	0					
20	+		0	0	0	0	0					
21			0	0	1.0	0	0					
22			0	0	0	0	0					
23			0	0	0	0	0					
24			0	0	0	0	0					
25			0	0	0	0	0					0
26			0	0	0	0	0					0
27			0	0	0	0	0					0
28			0	0	0	0	0					0
29			0	0		0	0					0
30		+	0	0		0	0					0
31	+		0	0		0						
	1.9		+		25.2		0		0		0	
		+		0.7		0		0		0		0
MEAN	0.06	+	+	0.02	0.90	0	0	0	0	0	0	0
ACRE-FEET	3.8	+	+	1.4	50.	0	0	0	0	0	0	0

RECORDER STOPPED FOR SUMMER

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.08
ACRE-FEET .55.



STATION U2-R
EATON CREEK above Mouth of Canyon

LOCATION: WATER-STAGE RECORDER AND BROAD-CRESTED WEIR, LAT. 34°11'37", LONG 118°06'13", IN S.E. 1/4 SEC. 2,T.1N, R12W., AT MOUTH OF CANYON JUST UPSTREAM FROM BRIDGE ON OLD MOUNT WILSON TOLL ROAD, AND 4.5 MILES NORTHEAST OF PASADENA. ALTITUDE OF GAGE ABOUT 1230 FEET.

DRAINAGE AREA: 6.5 SQUARE MILES.

RECORDS AVAILABLE: MARCH 1918 TO SEPTEMBER 30, 1959.

AVERAGE DISCHARGE: 41 YEARS, 2.24 SECOND-FEET. AVERAGE COMBINED DISCHARGE OF CREEK AND DIVERSION 36 YEARS, 3.39 SECOND-FEET.

EXTREMES:
1957-58
MAXIMUM DISCHARGE 465 SECOND-FEET APRIL 1. (GAGE HEIGHT 2.73 FEET.)
MINIMUM NO FLOW MOST OF YEAR.
1958-59
MAXIMUM DISCHARGE 163 SECOND-FEET JANUARY 6, (GAGE HEIGHT 1.87 FEET.)
MINIMUM NO FLOW MOST OF YEAR.
1918-57
MAXIMUM DISCHARGE 2400 SECOND-FEET MARCH 2, 1938 FROM RECORD OF INFLOW TO EATON FLOOD CONTROL RESERVOIR.
MINIMUM NO FLOW FOR SOME PERIODS IN EACH YEAR.

REMARKS: RECORDS POOR BELOW 10 SECOND-FEET AND FAIR ABOVE. RECORDS DO NOT INCLUDE WATER DIVERTED ABOVE STATION BY CITY OF PASADENA.

COOPERATION: RECORDS FURNISHED BY THE UNITED STATES GEOLOGICAL SURVEY, WATER RESOURCES BRANCH.

DISCHARGE MEASUREMENTS OF EATON CREEK

~~AT~~ NEAR above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 58

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
491	12/16		U.S.G.S.	CHANNELS			0.96	22.7		.6	15	-.02	
492	1/26		"	9.6	3.99	3.98	0.93	15.1		.5/.6	18	0	
493	2/3		"	22.0	9.77	4.83	1.28	47.2		.5/.6	16	+.02	
494	2/5		"	20.0	11.4	4.34	1.34	49.5		.6	21	-.01	
495	2/19		"	28.5	15.7	4.57	1.45	71.7		.5/.6	19	-.08	
496	2/27		"	0.70	0.16	0.75	0.01	0.12		.5	5	0	
497	3/17		"	CHANNELS			0.95	19.3		.6	17	0	
498	4/2		"	29.0	20.8	3.19	1.52	66.4		.6	10	.01	
499	4/3		"	40.0	46.0	6.74	1.93	310.		.6	6	-.05	
500	4/7		"	28.0	23.9	2.63	1.49	62.8		.6	19	0	
501	4/15		"	14.8	10.5	1.61	0.80	16.9		.6	17	0	
502	4/24		"	8.9	5.43	0.97	0.32	5.28		.5/.6	16	-.14	
503	4/28		"	2.8	2.71	1.81	0.22	4.90		.6	7	0	
504	5/6		"	2.5	1.86	0.46	0.05	0.86		.6	9	0	

DISCHARGE MEASUREMENTS OF EATON CREEK

~~AT~~ NEAR above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 59

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
505	1/7		U.S.G.S.	CHANNEL			0.17	1.74		.5	10		
506	1/14		"		"		0.10			EST.			
507	2/12		"	10.0	3.54	1.80	0.48	6.38		6	11	0	
508	2/12		"	10.0	3.79	1.86	0.48	7.06		6	11	0	
509	2/16		"	18.0	9.5	3.26	1.10	31.0		6	9	-.03	

74D74M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U2-R

Daily discharge, in second-feet of EATON CREEK above Mouth of Canyon for the year ending September 30, 19 58

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0.1	141	3.6	0	0	0	0
2	0	0.1	0	0	1.3	0.2	75	3.2	0	0	0	0
3	0	1.9	0	0	61	0.1	212	2.5	0	0	0	0
4	0	0.3	0	0	114	0.1	75	1.7	0	0	0	0
5	0	0	4.3	0	54	0	61	1.0	0	0	0	0
6	0	0	1.0	0	33	2.8	54	0.8	0	0	0	0
7	0	0	0	0	0	2.0	59	0.9	0	0	0	0
8	0	0	0	0	0	0	36	0.7	0	0	0	0
9	0	0	0	0	0	0	28	0.5	0	0	0	0
10	0	0	0	0	0	0	25	0.4	0	0	0	0
11	0	0	0	0	0	2.0	23	0.3	0	0	0	0
12	0	0	0	0	0	0.1	21	0	0	0	0	0
13	0	0	0	0	0	0.1	21	0	0	0	0	0
14	0	0	0	0	0	0.2	20	0	0	0	0	0
15	0	0	.15	0	0	9.3	18	0	0	0	0	0
16	0	0	25	0	0	77	16	0	0	0	0	0
17	0	0	32	0	0.1	32	14	0	0	0	0	0
18	0	0	7.7	0	0	15	11	0	0	0	0	0
19	0	0	4.0	0	37	11	8.0	0	0	0	0	0
20	0	0	3.6	0	14	10	6.8	0	0	0	0	0
21	0	0	2.6	0	6.0	9.4	5.4	0	0	0	0	0
22	0	0	1.3	0	2.0	24	5.4	0	0	0	0	0
23	0	0	0.6	0	1.2	14	5.4	0	0	0	0	0
24	0	0	0.3	0	0.3	9.2	5.3	0	0	0	0	0
25	0	0	0	0.4	8.8	6.8	5.6	0	0	0	0	0
26	0	0	0.4	34	1.3	4.9	5.3	0	0	0	0	0
27	0	0	0	12	0.6	15	4.9	0	0	0	0	0
28	0	0	0	5.1	0.1	11	5.8	0	0	0	0	0
29	0	0	0	1.7		6.1	4.6	0	0	0	0	0
30	0	0	0	0.2		7.7	4.0	0	0	0	0	0
31	0		0	0.2		6.4		0		0	0	
	0		97.8		334.7		976.5		0		0	
		2.3		53.6		276.5		15.6		0		0
MEAN	0	0.08	3.15	1.73	12.0	8.92	32.6	0.50	0	0	0	0
ACRE-FEET	0	4.6	194.	106.	664.	548.	1940.	31.	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 4.81
ACRE-FEET 3490.

FADTAM Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U2-R

Daily discharge, in second-feet of EATON CREEK above Mouth of Canyon, for the year ending September 30, 1959

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	18	0	0	0	0	0	0	0	0
7	0	0	0	1.4	0	0	0	0	0	0	0	0
8	0	0	0	0.5	1.3	0	0	0	0	0	0	0
9	0	0	0	0.3	0.8	0	0	0	0	0	0	0
10	0	0	0	0.2	0.1	0	0	0	0	0	0	0
11	0	0	0	0.2	32	0	0	0	0	0	0	0
12	0	0	0	0.2	6.5	0	0	0	0	0	0	0
13	0	0	0	0.2	1.6	0	0	0	0	0	0	0
14	0	0	0	0.2	0	0	0	0	0	0	0	0
15	0	0	0	0.1	0.6	0	0	0	0	0	0	0
16	0	0	0	0.1	33	0	0	0	0	0	0	0
17	0	0	0	0.1	16	0	0	0	0	0	0	0
18	0	0	0	0	5.8	0	0	0	0	0	0	0
19	0	0	0	0	1.6	0	0	0	0	0	0	0
20	0	0	0	0	0.2	0	0	0	0	0	0	0
21	0	0	0	0	4.1	0	0	0	0	0	0	0
22	0	0	0	0	2.0	0	0	0	0	0	0	0
23	0	0	0	0	0.3	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0.8	0	0	0	0	0	10.1	0	0	0	0	0
26	0.3	0	0	0	0	0	0.9	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0		0	0	0	0	0	0	0
30	0	0	0	0		0	0	0	0	0	0	0
31	0		0	0		0	0	0		0	0	
	1.1	0	0	21.5	105.9	0	1.0	0	0	0	0	0
MEAN	0.04	0	0	0.69	3.78	0	0.03	0	0	0	0	0
ACRE-FEET	2.2	0	0	43.	210.	0	2.0	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 0.35
ACRE-FEET 257.

STATION F271-R
EATON WASH below Eaton Dam

LOCATION: WATER-STAGE RECORDER, LAT. 34°10'05", LONG. 118°05'28", ON THE RIGHT (WEST) BANK OF THE CONCRETE OUTLET CHANNEL 190 FEET BELOW THE BEGINNING OF THE OPEN SECTION AT THE BASE OF EATON WASH DAM. ELEVATION OF GAGE 839.57 FEET.

DRAINAGE AREA: 9.5 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - RECTANGULAR, CONCRETE, 12 FEET DEEP AND 26 FEET WIDE WITH 0.5 FOOT FILLETS. CHANNEL FORMS CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING; HIGH FLOWS MEASURED FROM FOOTBRIDGE AT GAGE.

RECORDER: AN H.C.F. RECORDER WAS IN SERVICE FROM OCTOBER 1, 1957 TO SEPTEMBER 30, 1959.

REGULATION: FLOW REGULATED BY EATON WASH DAM.

DIVERSIONS: THE PASADENA WATER DEPARTMENT DIVERTS FLOW ABOVE THE MOUTH OF EATON CANYON.

RECORDS AVAILABLE: RESERVOIR OUTFLOW RECORDS FROM FEBRUARY 2, 1937 TO OCTOBER 10, 1940. RECORDER RECORDS FROM OCTOBER 10, 1940 TO SEPTEMBER 30, 1959.

EXTREMES OF DISCHARGE:
. 1957-58
MAXIMUM 146 SECOND-FEET FEBRUARY 4.
MINIMUM NO FLOW MOST OF YEAR.
1958-59
MAXIMUM 164 SECOND-FEET FEBRUARY 16.
MINIMUM NO FLOW PART OF YEAR.
1940-59
MAXIMUM 1080 SECOND-FEET, JANUARY 23, 1943.
MINIMUM NO FLOW MOST OF EACH YEAR.

ACCURACY: FAIR, SEQUENCE OF GATES OPERATED AT EATON WASH DEBRIS DAM AFFECTS GAGE HEIGHT DISCHARGE RELATION.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF EATON WASH

~~AT~~ NEAR below Eaton Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 59

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	B. HT. CHANGE TOTAL	METER NO.
124	12/20	1356 / 1418	HOLLERON	25.0	3.92	3.52	0.23	13.8		.5	14	0	FC48
125	12/21	1038 / 1106	"	25.0	4.98	4.22	0.27	21.0		.5	14	0	"
126	2/3	1650 / 1705	HOLLERON-WALTON	25.1	8.87	6.85	0.40	60.8		.5	14	0	FC56
127	2/6	1122 / 1138	HOLLERON	25.4	4.72	3.90	0.24	18.4		.5	10	0	FC48
128	2/20	1524 / 1536	HOLLERON-WALTON	24.9	3.38	3.16	0.21	10.7		.5	10	0	"
129	3/19	1410 / 1420	HOLLERON	25.4	5.33	4.35	0.27	23.2		.5	10	0	"
130	3/27	1537 / 1549	HOLLERON-WALTON	25.3	5.32	4.04	0.28	21.4		.6	10	0	"
131	4/3	1223 / 1237	" "	25.8	15.6	6.10	0.57	95.2		.5	9	-.015	FC56
132	4/4	1137 / 1151	" "	25.7	12.1	7.09	0.53	85.7		.6	11	0	"
133	4/4	1421 / 1435	" "	25.7	15.4	9.49	0.63	146.		.6	11	0	"
134	4/8	1114 / 1128	HOLLERON	25.4	5.57	4.22	0.28	23.5		.6	10	0	FC48
135	4/11	1634 / 1656	"	25.4	5.14	3.84	0.28	19.7		.6	10	0	"
136	4/17	1622 / 1638	"	25.2	3.69	3.09	0.22	11.4		.6	10	0	"
137	4/22	0904 / 0918	"	25.4	6.34	4.29	0.35	27.2		.6	10	0	"
138	5/1	1148	"				0.16	3.8		RECT.		WEIR	
139	5/2	1610	"				0.20	6.5		"		"	
140	5/6	1642	"				0.18	4.9		"		"	
141	5/21	1500	"				0.16	3.9		"		"	

DISCHARGE MEASUREMENTS OF EATON WASH

~~AT~~ NEAR below Eaton Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 59

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	B. HT. CHANGE TOTAL	METER NO.
142	2/11	1052 / 1102	HOLLERON-JOHNSON	25.6	8.74	5.80	0.39	50.6		.6	11	0	FC48
143	2/11	1132 / 1142	" "	25.2	5.90	4.56	0.30	26.9		.6	9	0	"
144	2/12	0921 / 0932	HOLLERON-WALTON	25.2	3.64	3.19	0.24	11.6		.5	9	0	"
145	2/17	1015 / 1025	HOLLERON-ROY	25.2	6.16	4.89	0.30	30.2		.5	9	0	"
146	4/13	1238 / 1252	HOLLERON	25.2	4.05	3.41	0.24	13.8		.6	10	0	"

7SD74M Gth 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F271-R

Daily discharge, in second-feet of EATON WASH below Eaton Dam, for the year ending September 30, 19 59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	+	+	+	+	0	13.7	4.5	+	0	0	0
2	0				+	0	15.9	6.6		0	0	0
3	0				24	+	50	6.6		0	0	0
4	0				63		89	6.6		0	0	0
5	0				44		136	6.6		0	0	0
6	0				15.6		53	5.8		0	0	0
7	0				20		40	3.5		0	0	0
8	0				20		13.1	0		0	0	0
9	0				13.8		+	0		0	0	0
10	0				0		10.8	0		0	0	0
11	+				0		20	0		0	0	0
12					0		20	0		0	0	0
13					0		20	+		0	0	0
14					0		18.0			0	+	0
15					0		15.2			0	+	0
16					0		11.8			0	0	0
17					0	+	11.8			0	0	0
18					0	9.8	11.8			0	0	0
19			+		54		11.8			0	0	0
20			6.6		1.6	26	11.8	+		0	0	0
21			20		10.4	+	11.8	5.2		0	0	0
22			4.6		10.4		11.8	3.7		0	0	0
23			+		11.8		28	b 0.5		0	0	0
24					0.6		27	b 0.5		0	0	0
25					0		11.8	0.4		0	0	0
26					0		8.8	0.3		0	0	0
27					0	+	+	0.2		0	0	0
28					0	10.7	1.6	0.1		0	0	0
29					0	15.4	4.0	0.1		0	0	0
30		+			26	4.0	4.0	0.1		0	0	0
31	+		+	+	9.8	+	4.0	+	+	0	0	0
		+		+		151.7		513		0		0
	+		312		2352		664.7		+		+	
MEAN	+	+	0.83	+	8.40	4.89	22.2	1.65	+	0	+	0
ACRE-FEET	+	+	62.	+	466.	301.	1320.	102.	+	0	+	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 3.11
ACRE-FEET 2250.

FORM Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F271-R

Daily discharge, in second-feet of EATON WASH below Eaton Dam for the year ending September 30, 1959

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0.2	+	0	+	0	0	0	0	0	0	0
2	0	0.1		0		0	0	0	0	0	0	0
3	0	0.1		0		0	0	0	0	0	0	0
4	0	+		0		0	0	0	0	0	0	0
5	0			+		0	0	0	0	0	0	0
6	0			+		0	0	0	0	0	0	0
7	0			0		0	0	0	0	0	0	0
8	0			0		0	0	0	0	0	0	0
9	0			0		0	0	0	0	0	0	0
10	0			0	+	0	0	0	0	0	0	0
11	0			0	15	0	0	0	0	0	0	0
12	0			0	12.1	0	0	0	0	0	0	0
13	0		+	0	+	0	3.3	0	0	0	0	0
14	0		0	0	+	0	0	0	0	0	0	0
15	0		0	+	+	0	0	0	0	0	0	0
16	0		0		29	0	0	0	0	0	0	0
17	0		0		20	0	0	0	0	0	0	0
18	0		0		0	0	0	0	0	0	0	0
19	0		0		0	0	0	0	0	0	0	0
20	0		0		0	0	0	0	0	0	0	0
21	0		0		0	0	0	0	0	0	0	0
22	0		+		0	0	0	0	0	0	0	0
23	+				0	0	0	0	0	0	0	0
24	0.2				0	0	0	0	0	0	0	0
25	0.5		+		0	0	0	0	0	0	0	0
26	0.5		+		0	0	0	0	0	0	0	0
27	0.5		0		0	0	0	0	0	0	0	0
28	0.5		0		0	0	0	0	0	0	0	0
29	+		0			0	0	0	0	0	0	0
30	+	+	0			0	0	0	0	0	0	0
31	0.2		0	+		0		0		0	0	
	2.4		+		76.1		3.3		0		0	
		0.4				0		0		0		0
MEAN	0.08	.01	+	+	2.72	0	0.11	0	0	0	0	0
ACRE-FEET	4.8	0.8	+	+	151.	0	6.5	0	0	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.22
ACRE-FEET 163.

STATION F318-R
EATON WASH at Loftus Drive

LOCATION: WATER-STAGE RECORDER, LAT. 34°04'24", LONG. 118°03'18", ON THE RIGHT (WEST) WALL OF EATON WASH CHANNEL 52 FEET ABOVE CENTER LINE OF EAST LOFTUS DRIVE BRIDGE. ELEVATION OF ZERO GAGE HEIGHT 252.21 FEET. FORMER STATION F104B-R LOCATED AT ELLIS LANE.

DRAINAGE AREA: 19.9 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL, RECTANGULAR CONCRETE, 60 FEET WIDE, 11.3 FEET DEEP WITH 0.75 FOOT RISE OF BOTTOM AT LEFT WALL TO KEEP LOW FLOWS AT STATION.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING; HIGH FLOWS MEASURED FROM UPSTREAM SIDE OF EAST LOFTUS DRIVE BRIDGE.

RECORDER: A STEVENS TYPE A-35 CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1957, TO SEPTEMBER 30, 1959.

REGULATION: PARTIALLY REGULATED BY EATON DAM.

DIVERSIONS: THE PASADENA WATER DEPARTMENT DIVERTS SOME WATER JUST ABOVE THE MOUTH OF EATON CANYON. THE FLOOD CONTROL DISTRICT DIVERTS WATER TO SPREADING GROUNDS BELOW EATON DAM AND BELOW HUNTINGTON DRIVE.

RECORDS AVAILABLE: AT STATIONS F104-R AND F104B-R OCTOBER 1, 1930 TO DECEMBER 27, 1930 AT ELLIS LANE, DECEMBER 28, 1930 TO NOVEMBER 10, 1931; AT BROADWAY, NOVEMBER 10, 1931 TO MAY 4, 1955; AT ELLIS LANE, REMOVED ON MAY 4, 1955 FOR CHANNEL CONSTRUCTION; AT EAST LOFTUS DRIVE, FROM FEBRUARY 23, 1956 TO SEPTEMBER 30, 1959.

EXTREMES OF DISCHARGE:
1957-58
MAXIMUM 2700 SECOND-FEET FEBRUARY 19.
MINIMUM 0.1 SECOND FOOT AT VARIOUS TIMES.
1958-59
MAXIMUM 3480 SECOND-FEET JANUARY 6.
MINIMUM 0.1 SECOND-FOOT FEBRUARY 14.
1930-59
MAXIMUM 3480 SECOND-FEET JANUARY 6, 1959.
MINIMUM NO FLOW PART OF MOST YEARS.

ACCURACY: GOOD.

OPERATION: CONSTRUCTED BY THE CORPS OF ENGINEERS, DEPARTMENT OF THE ARMY. LOCATED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF EATON WASH

AT NEAR Loftus Drive DURING THE YEAR ENDING SEPTEMBER 30, 19 58

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	S. MT. CHANGE TOTAL	METER NO.
21	10/2	1328 / 1338	WADDICOR	6.0	0.84	0.99	0.16	0.83		.5	7	0	FC52
22	11/5	1753 / 1800	WADDICOR-FALCONE	10.0	2.05	3.26	0.30	6.7		.6	7	0	FC37
23	12/16	1028 / 1034	WADDICOR-GARCIA	60.0	18.2	3.99	0.62	72.7		.6	8	-.06	"

DISCHARGE MEASUREMENTS OF EATON WASH

AT NEAR Loftus Drive DURING THE YEAR ENDING SEPTEMBER 30, 19 59

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	S. MT. CHANGE TOTAL	METER NO.
24	1/6	0306 / 0321	ROY-PETERSEN	60.0	50.3	7.59	1.30	382.		.6	16	-.20	FC51
25	2/11	1300 / 1305	WADDICOR-FALCONE	60.0	12.5	4.90	0.60	61.3		.5 / .6	8	-.05	FC37
26	2/21	1157 / 1203	ROY-PETERSEN	60.0	21.1	3.99	0.71	84.3		.5 / .6	10	-.03	FC51
27	7/22	1300 / 1309	WADDICOR	8.0	0.97	2.78	0.17	2.7		.5	8	0	FC52
28	7/29	1315 / 1325	"	9.0	1.23	2.52	0.18	3.1		.5	9	0	"
29	8/5	1255 / 1305	"	10.1	1.24	2.42	0.18	3.0		.5	11	0	"
30	8/26	1412 / 1422	"	10 2	1.25	2.08	0.17	2.6		.5	11	0	"
31	9/2	1315 / 1327	"	11.2	0.94	2.77	0.18	2.6		.5	13	0	"
32	9/8	1350 / 1400	"	9.5	0.73	2.32	0.16	1.7		.5	11	0	"
33	9/16	1315 / 1326	"	8.0	1.31	2.30	0.18	3.0		.5	9	0	"
34	9/24	0857 / 0908	"	9.2	1.25	1.20	0.18	1.5		.5	10	0	"

FORM Cds 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F318-R

Daily discharge, in second-feet of EATON WASH at Loftus Drive for the year ending September 30, 19 59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.5	0.9	0.2	0.1	0.4	0.3	171	0.2	0.2	3.3	2.4	0.3
2	1.2	40	0.4	0.2	14.9	0.3	0.6	0.2	0.2	2.4	0.4	1.2
3	0.3	3.9	0.3	0.2	24.8	0.3	19.2	0.3	0.3	2.7	0.2	1.8
4	0.6	0.4	0.3	0.1	34.9	0.3	6.7	0.3	1.3	0.4	1.2	1.8
5	0.4	6.3	7.9	0.1	21	0.3	14.9	0.4	1.2	0.3	1.5	1.8
6	0.3	0.3	0.3	0.2	3.0	8.0	11.8	0.3	1.5	0.3	1.8	1.2
7	0.4	0.3	0.2	0.2	9.8	0.2	21.3	0.2	0.4	1.8	1.5	0.4
8	0.2	0.2	0.2	0.2	11.7	0.1	5.7	0.4	0.2	2.4	2.4	1.5
9	0.2	0.2	0.3	0.1	5.7	0.1	0.6	0.5	0.6	3.0	0.4	2.4
10	0.2	0.2	0.3	0.3	0.3	9.6	0.4	0.4	1.5	2.7	0.3	3.0
11	40	0.3	0.2	0.2	0.2	8.1	0.2	0.2	1.5	2.7	1.5	3.3
12	0.4	0.3	0.2	0.2	2.3	2.9	0.2	0.2	2.4	0.6	3.0	3.0
13	16.3	0.3	0.2	0.2	0.4	3.4	0.1	0.3	3.0	0.3	3.0	1.8
14	17.3	0.3	0.2	0.2	0.2	0.4	0.4	0.5	2.1	1.2	1.5	0.4
15	0.3	0.3	9.9	0.2	0.2	17.3	1.2	0.9	0.3	3.0	10.9	1.5
16	0.2	0.3	19.6	0.2	0.3	19.4	1.2	0.9	2.7	2.4	0.9	2.7
17	0.2	0.3	6.8	0.3	0.3	16	0.5	0.4	4.3	2.1	0.4	3.0
18	0.2	0.3	0.2	0.3	0.2	0.4	1.2	0.4	5.0	3.3	1.2	3.3
19	0.2	0.3	0.2	0.3	36.8	0.3	0.4	0.6	1.8	0.4	3.0	3.0
20	19.3	0.3	6.2	0.3	1.2	4.8	0.3	1.2	1.5	0.2	2.4	2.1
21	4.6	0.3	7.8	0.3	2.7	4.2	1.5	1.2	0.5	1.8	1.8	0.4
22	0.2	0.6	0.3	0.3	1.5	3.9	1.2	1.2	0.3	2.4	2.7	1.5
23	0.2	0.3	0.2	1.8	0.4	0.2	1.2	1.8	3.0	2.1	0.4	5.0
24	0.2	0.3	0.1	2.1	0.3	0.2	0.9	0.3	3.3	2.4	0.3	3.6
25	0.3	0.3	0.1	114	120	0.2	1.5	0.2	1.5	2.4	1.2	3.0
26	0.2	0.3	0.1	82	0.4	2.4	0.3	0.5	4.3	0.4	3.0	2.7
27	0.2	0.2	0.1	0.4	0.3	92	0.2	1.5	3.3	0.2	2.7	1.5
28	0.3	0.2	0.2	0.3	0.4	0.6	0.2	0.9	0.5	1.5	1.8	0.3
29	0.2	0.2	0.2	0.2		0.5	0.2	1.2	0.4	2.4	1.8	1.5
30	2.0	0.2	0.2	4.2		7.7	0.3	0.4	2.7	2.1	0.4	3.0
31	18.6		0.2	2.4		9.6		0.2		2.4	0.3	
		58.6		212.1		732.6		18.2		55.6		62.0
	126.7		293.0		1163.1		930.5		52.2		56.3	
MEAN	4.09	1.95	9.45	6.84	41.5	23.6	31.0	0.59	1.74	1.79	1.82	2.07
ACRE-FEET	251.	116.	581.	421.	2310.	1450.	1850.	36.	104.	110.	112.	123.

Remarks:

YEAR OR PERIOD MEAN 10.3
ACRE-FEET 7460.

F6DT4M Cab 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

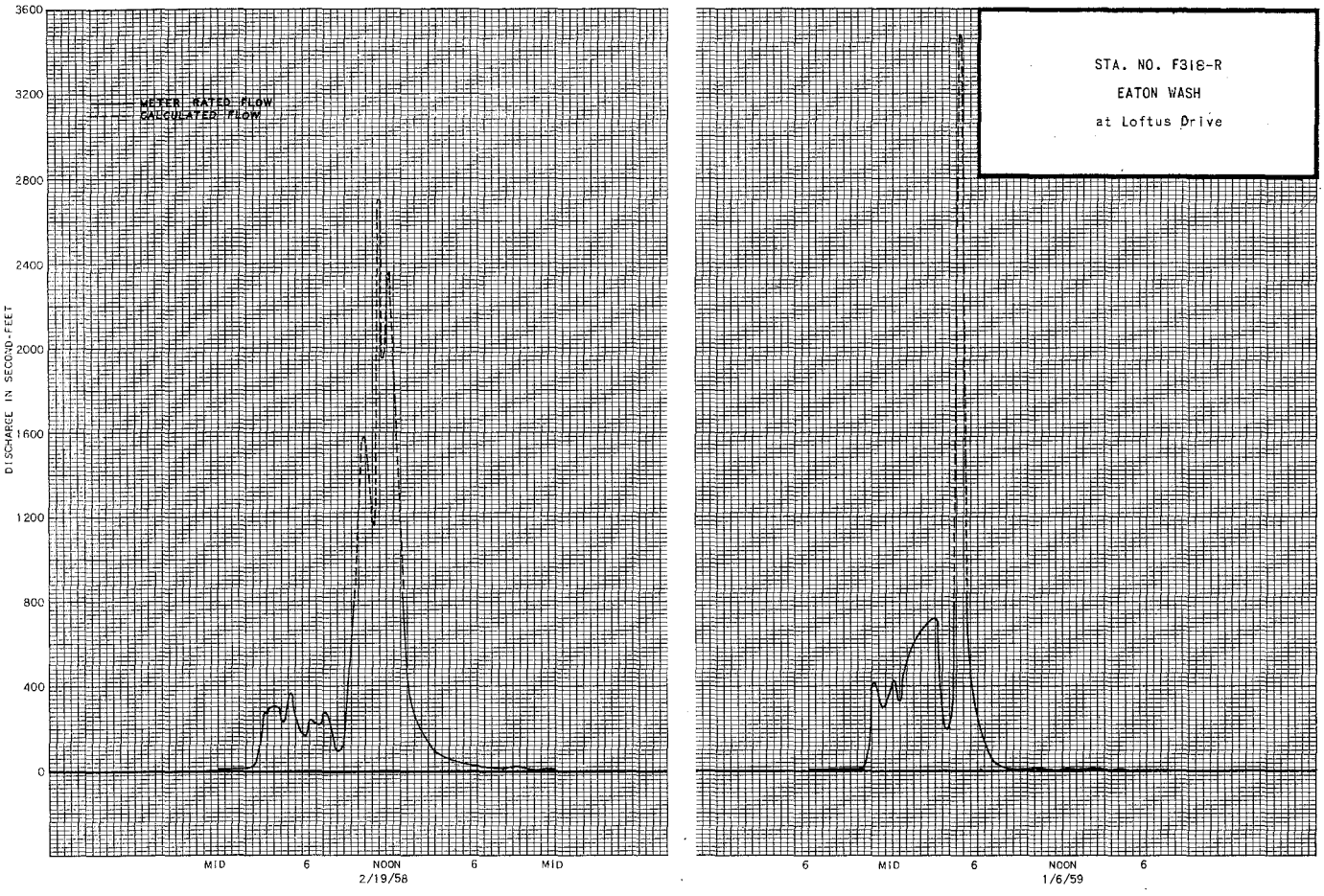
Sta. No. F318-R

Daily discharge, in second-feet of EATON WASH at Loftus Drive, for the year ending September 30, 1959

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3.0	0.3	0.3	0.3	0.2	0.2	0.9	0.4	0.3	3.3	3.0	3.0
2	3.0	0.3	0.3	0.3	0.2	0.2	1.5	0.2	0.4	3.3	3.0	3.0
3	2.4	0.4	1.2	0.3	0.2	0.2	1.5	0.2	0.4	0.9	3.0	3.0
4	2.7	0.3	0.3	0.4	0.2	0.3	0.5	0.2	0.4	0.4	3.0	3.0
5	3.0	0.4	0.4	2.7	0.3	0.3	0.3	0.3	0.4	0.4	3.0	3.3
6	2.7	0.4	0.3	24.5	0.2	0.2	0.3	0.4	0.3	1.5	3.0	3.3
7	3.0	0.6	0.3	1.5	0.4	0.2	0.3	1.5	0.4	3.0	3.0	3.3
8	3.3	0.3	0.3	2.1	5.4	0.2	0.3	0.6	1.2	3.0	3.0	3.0
9	3.3	0.3	0.3	1.5	0.3	0.2	0.2	0.3	1.8	3.0	3.3	3.0
10	3.3	7.4	0.6	b 1.4	6.5	0.3	0.2	0.3	1.8	2.7	3.0	3.0
11	0.9	1.2	1.5	1.3	159	0.4	0.2	0.4	1.8	3.3	2.7	3.0
12	0.5	0.3	1.5	1.2	7.1	0.4	0.2	0.4	1.5	3.3	2.7	3.3
13	2.1	0.3	0.4	1.0	0.2	0.4	0.9	0.3	0.5	3.3	2.7	12.4
14	3.0	0.3	0.3	0.9	0.1	0.2	0.4	0.3	0.3	3.3	3.0	3.0
15	3.0	0.3	0.3	b 0.9	8.9	0.2	0.4	0.3	2.1	3.3	3.3	3.0
16	3.0	0.3	0.4	0.9	230	0.5	0.4	0.3	3.0	3.3	3.3	3.0
17	3.0	0.2	0.3	0.3	2.7	0.3	0.4	0.3	3.0	3.6	3.0	2.1
18	3.3	0.4	0.3	0.2	0.4	0.3	0.3	0.4	3.0	3.3	3.0	3.0
19	3.3	0.4	0.4	0.2	0.3	0.4	0.3	0.3	3.0	3.6	3.3	3.0
20	3.0	0.3	0.4	0.3	0.2	0.6	0.4	0.4	3.0	3.0	3.0	3.0
21	3.0	0.4	0.3	0.2	31	0.4	0.2	0.3	3.0	3.0	3.0	2.7
22	3.0	0.3	0.3	0.3	0.2	0.2	0.3	0.3	3.0	3.0	3.3	3.0
23	1.2	0.3	0.4	0.3	0.1	0.2	0.2	0.3	3.0	3.3	3.3	3.0
24	9.6	0.3	0.3	0.3	0.1	0.2	0.2	0.3	3.0	3.3	3.0	3.0
25	9.5	0.4	0.3	0.3	0.1	0.3	6.2	0.4	3.0	3.3	3.0	3.0
26	0.3	0.2	0.3	0.3	0.2	0.2	2.5	0.3	3.0	3.3	3.0	3.0
27	0.4	0.2	0.3	0.3	0.2	0.4	0.2	0.3	3.3	3.3	3.0	3.0
28	0.5	0.2	0.3	0.3	0.2	0.2	1.2	0.3	1.2	3.3	3.0	3.0
29	1.5	0.2	0.3	0.5		0.2	2.1	0.2	1.5	3.0	3.0	3.0
30	0.9	0.3	0.3	1.5		0.3	1.5	0.2	3.0	3.0	3.3	3.0
31	0.4		0.4	0.2		0.3		0.3		3.0	3.0	
	170.8		13.6		5035		80.3		55.6		94.2	
		17.5		291.5		8.9		11.0		89.6		99.4
MEAN	5.51	0.58	0.44	9.40	18.0	0.29	2.68	0.35	1.85	2.89	3.04	3.31
ACRE-FEET	339.	35.	27.	578.	999.	18.	159.	22.	110.	178.	187.	197.

Remarks:

YEAR OR PERIOD MEAN 3.93
ACRE-FEET 2850.



STATION F296-R
EVEY CANYON CREEK at Camp Baldy Road

LOCATION: WATER-STAGE RECORDER, LAT. 34°09'50", LONG. 117°40'52", ON THE RIGHT (SOUTH) WING WALL AT DOWNSTREAM END OF CULVERT UNDER CAMP BALDY ROAD. ELEVATION OF ZERO GAGE HEIGHT ABOUT 2280 FEET.

DRAINAGE AREA: 1.53 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL GENERALLY FILLED WITH SAND, ROCK AND GRAVEL, SUBJECT TO SHIFTING CONDITIONS. THERE IS A SUBMERGED DAM ABOUT 40 FEET DOWNSTREAM THAT ACTS AS A CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING, HIGH FLOWS NOT MEASURED.

RECORDER: AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1957 TO SEPTEMBER 30, 1959.

REGULATION: NONE.

DIVERSIONS: NONE.

RECORDS AVAILABLE: MEASUREMENTS FROM OCTOBER 21, 1948. CONTINUOUS RECORD FROM DECEMBER 17, 1956 TO SEPTEMBER 30, 1959.

EXTREMES OF DISCHARGE:
1957-58
MAXIMUM NOT DETERMINED.
MINIMUM NO FLOW PART OF YEAR.
1958-59
MAXIMUM 32 SECOND-FEET FEBRUARY 11.
MINIMUM PLUS FLOW AUGUST 5.

ACCURACY: POOR.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF EVEY CANYON CREEK

AT ~~NEAR~~ Camp Baldy Road DURING THE YEAR ENDING SEPTEMBER 30, 19 56

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
35	10/16	1343 / 1347	MIDDLETON	0.9	0.11	0.82	3.34	0.09		.5	4	0	FC49
36	10/23	1458 / 1502	SARASUA-MIDDLETON	0.9	0.07	0.86	3.34	0.06		.5	4	0	"
37	10/31	1218 / 1221	MIDDLETON	0.9	0.11	0.82	3.45	0.09		.5	4	0	"
38	11/6	1305 / 1310	SARASUA	1.0	0.10	0.80	3.40	0.08		.5	5	0	"
39	11/14	1149 / 1152	MIDDLETON	0.9	0.09	1.00	3.40	0.09		.5	4	0	"
40	12/6	1555 / 1600	SARASUA	1.0	0.11	1.00	3.43	0.11		.5	4	0	"
41	12/11	1420 / 1425	SARASUA-STUNDEN	0.6	0.10	0.80	3.34	0.08		.5	4	0	"
42	12/15	1527 / 1535	SARASUA-MC BRIDE	2.0	0.45	1.56	3.48	0.70		.6	5	-.01	FC54
43	12/16	1255 / 1303	" "	6.5	1.92	4.38	3.58	8.4		SURF.	6	0	"
44	12/17	1130 / 1140	SARASUA-STUNDEN	2.4	0.50	3.60	3.50	1.8		.5	6	0	"
45	12/18	1125 / 1130	SARASUA	2.3	0.23	2.39	3.34	0.55		.5	6	0	FC43
46	12/26	1750 / 1755	"	0.9	0.10	1.20	3.28	0.12		.5	4	0	FC49
47	1/2	1810 / 1820	"	1.0	0.09	2.00	3.26	0.18		.5	5	0	"
48	1/8	1555 / 1602	"	1.3	0.12	1.00	3.24	0.12		.5	6	0	"
49	1/15	1350 / 1355	"	1.2	0.11	1.00	3.14	0.11		.5	5	0	"
50	1/23	1410 / 1415	"	0.8	0.07	1.43	3.14	0.10		.5	5	0	"
51	1/26	0305 / 0310	SARASUA-PITTS	2.4	1.30	7.23	3.32	9.4		.5	6	0	FC43
52	1/26	1435 / 1440	" "	1.5	0.32	2.41	3.14	0.77		.6	5	0	"
53	1/29	1300 / 1308	SARASUA	1.6	0.14	1.78	2.96	0.25		.5	6	0	FC49
54	2/3	0422 / 0427	SARASUA-PITTS	1.2	0.20	1.90	2.97	0.38		.5	5	0	FC43
55	2/3	0908 / 0912	" "	1.4	0.53	2.10	3.12	1.1		.5	5	-.01	"
56	2/3	1229 / 1233	" "	1.4	0.48	2.00	3.10	0.96		.5	5	-.01	"
57	2/5	1305 / 1312	SARASUA	4.1	0.71	5.20	2.80	3.7		.5	6	+.10	"
58	2/13	1650 / 1700	"	2.0	0.30	1.43	2.51	0.43		.5	6	-.01	FC49
59	2/19	1305 / 1312	SARASUA-PITTS	3.5	0.98	2.86	2.70	2.8		.6	8	0	FC43
60	2/25	1421 / 1426	SARASUA	2.0	0.35	1.71	2.60	0.60		.5	5	0	"
61	3/5	1435 / 1440	"	2.2	0.43	1.14	2.60	0.49		.5	5	0	FC49
62	3/12	1112 / 1117	"	1.4	0.21	1.52	2.60	0.32		.6	6	0	"
63	3/16	0110 / 0120	SARASUA-PITTS	4.5	1.99	6.00	2.84	11.0		.6	5	0	FC43
64	3/16	0855 / 0901	SARASUA-PITTS	3.5	1.10	2.58	2.84	4.0		.6	6	0	FC43
65	3/19	1325 / 1330	SARASUA	3.0	0.79	1.52	2.67	1.2		.6	6	0	"
66	3/20	2245 / 2250	SARASUA-PITTS	2.8	1.29	1.78	2.68	2.3		.6	6	0	"
67	3/26	1101 / 1108	SARASUA	3.0	0.80	1.50	2.65	1.2		.6	7	0	"
68	4/1	1002 / 1008	SARASUA-PITTS	3.5	1.96	5.15	3.00	10.1		.6	6	0	"
69	4/10	1515 / 1522	SARASUA	4.0	1.58	1.96	2.20	3.1		.6	9	0	FC54
70	4/18	0947 / 0953	"	3.0	1.12	2.50	2.28	2.8		.6	7	0	"
71	4/23	1342 / 1350	"	3.0	1.08	2.50	2.30	2.7		.6	6	0	"
72	4/30	1305 / 1315	"	3.0	1.10	1.82	2.28	2.0		.6	7	0	"
73	5/7	1230 / 1235	"	3.0	0.81	1.85	2.27	1.5		.6	6	0	"
74	5/14	1050 / 1057	"	2.5	0.86	1.63	2.25	1.4		.6	6	0	"
75	5/21	1215 / 1220	"	2.5	0.75	1.39	2.35	1.1		.6	6	0	"
76	5/28	1112 / 1116	SARASUA-MC BRIDE	2.5	0.66	1.67	2.21	1.1		.5	6	0	FC49
77	6/4	1127 / 1132	" "	2.5	0.62	1.61	2.20	1.0		.5	6	0	"
78	6/11	1110 / 1115	SARASUA	2.5	0.63	1.75	2.20	1.1		.6	6	0	"
79	6/18	1108 / 1114	"	2.6	0.55	1.23	2.18	0.68		.5	6	0	"
80	6/25	1200 / 1208	"	2.5	0.52	1.42	2.16	0.74		.6	6	0	"
81	7/2	1016 / 1026	SARASUA-MC BRIDE	2.5	0.54	1.35	2.18	0.73		.5	7	0	"
82	7/9	1121 / 1125	SARASUA	2.0	0.33	1.27	2.15	0.42		.5	6	0	"
83	7/16	1216 / 1224	MC BRIDE	2.0	0.45	0.87	2.15	0.39		.5	6	0	"
84	7/23	1306 / 1314	"	1.5	0.33	0.97	2.18	0.32		.5	6	0	"
85	7/30	1315 / 1322	"	1.5	0.34	1.00	2.17	0.34		.5	8	0	"
86	8/6	0947 / 0951	SARASUA	1.5	0.34	1.26	2.16	0.43		.5	4	0	"
87	8/13	1647 / 1653	"	1.5	0.28	0.89	2.13	0.25		.6	6	0	"
88	8/20	1512 / 1518	"	1.5	0.27	0.85	2.14	0.23		.6	6	0	"
89	8/27	1305 / 1312	MC BRIDE	1.5	0.35	0.60	2.15	0.21		.5	6	0	"
90	9/3	1030 / 1037	"	1.5	0.34	0.97	2.11	0.33		.5	6	0	"
91	9/10	1131 / 1138	"	1.5	0.29	0.86	2.12	0.25		.5	6	0	"
92	9/17	1035 / 1041	"	1.5	0.31	0.93	2.11	0.29		.5	6	0	"
93	9/24	1400 / 1410	SARASUA	1.6	0.29	0.90	2.15	0.26		.5	6	0	"

DISCHARGE MEASUREMENTS OF EVEY CANYON CREEK

AT ~~NEAR~~ Camp Baldy Road DURING THE YEAR ENDING SEPTEMBER 30, 19 59

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	S. HT. CHANGE TOTAL	METER NO.
94	10/1	1104 / 1112	MC BRIDE	1.5	0.30	0.76	2.11	0.23		.5	6		FC49
95	10/8	0853 / 0900	"	1.5	0.29	0.90	2.14	0.26		.5	6		"
96	10/15	1100 / 1107	"	1.5	0.28	0.78	2.13	0.22		.5	6		"
97	10/23	1305 / 1312	"	1.5	0.29	0.72	2.13	0.21		.5	6		"
98	10/29	1236 / 1243	"	1.5	0.30	0.77	2.12	0.23		.5	6		"
99	11/5	1318 / 1324	"	1.5	0.33	0.73	2.14	0.24		.5	6	0	"
100	11/12	1254 / 1300	"	1.5	0.36	0.94	2.18	0.33		.5	6		"
101	11/19	1237 / 1244	"	1.5	0.37	0.81	2.22	0.30		.5	6	0	"
102	11/26	1109 / 1114	"	1.5	0.38	0.82	2.20	0.31		.5	6	0	"
103	12/3	1208 / 1214	"	1.5	0.34	0.79	2.24	0.27		.5	6	0	"
104	12/10	1410 / 1416	"	1.5	0.36	0.83	2.24	0.30		.5	6		"
105	12/17	1057 / 1103	"	1.5	0.36	0.89	2.27	0.32		.5	6		"
106	12/26	0907 / 0913	"	1.5	0.36	0.86	2.27	0.31		.5	6		"
107	1/2	0913 / 0920	"	1.5	0.37	0.89	2.28	0.33		.5	6	0	"
108	1/6	0734 / 0738	SARASUA-MC BRIDE	3.6	1.51	1.59	2.40	2.4		.5	8	-.01	FC54
109	1/7	1232 / 1240	MC BRIDE	1.8	0.44	1.23	2.20	0.54		.5	7	0	FC49
110	1/14	1341 / 1348	"	1.8	0.36	0.92	2.24	0.33		.5	7	0	"
111	1/21	1338 / 1344	"	1.8	0.33	0.94	2.38	0.31		.5	7	0	"
112	1/28	1304 / 1310	"	1.5	0.29	0.86	2.48	0.25		.5	6	0	"
113	2/4	1232 / 1238	"	1.5	0.30	0.93	2.11	0.28		.5	6		"
114	2/8	1148 / 1154	SARASUA-MC BRIDE	1.5	0.44	2.00	2.22	0.88		.6	8	0	"
115	2/11	0917 / 0923	" "	4.9	0.98	4.69	2.84	4.6		.6	8		FC54
116	2/16	1314 / 1322	" "	6.9	1.80	3.22	3.00	5.8		.6	9		FC49
117	2/21	1614 / 1618	" "	2.0	0.29	2.86	2.62	0.83		.6	5	0	"
118	2/25	1527 / 1532	MC BRIDE	1.6	0.27	1.63	2.59	0.44		.5	5	0	"
119	3/4	1301 / 1307	"	1.3	0.19	1.58	2.50	0.30		.5	5	0	"
120	3/11	1218 / 1224	MC BRIDE	1.3	0.21	1.52	2.58	0.32		.5	5	0	FC49
121	3/25	1344 / 1348	"	1.2	0.19	1.69	2.60	0.32		.5	4	0	"
122	4/1	1546 / 1552	"	2.0	0.24	1.12	2.61	0.27		.5	5	0	"
123	4/8	1156 / 1201	"	1.5	0.23	1.43	2.60	0.33		.5	4	0	"
124	4/15	1105 / 1110	"	1.5	0.18	1.33	2.61	0.24		.5	4	0	"
125	4/22	1217 / 1223	"	1.5	0.16	1.12	2.61	0.18		.5	4	0	"
126	4/26	0318 / 0323	SARASUA-MC BRIDE	2.5	0.53	3.20	2.69	1.7		.5	6	0	"
127	4/29	1525 / 1530	MC BRIDE	1.0	0.18	1.00	2.55	0.18		.5	3	0	"
128	5/6	1255 / 1257	SARASUA	0.90	0.10	1.10	2.56	0.11		.5	4	0	"
129	5/13	1302 / 1306	MC BRIDE	1.0	0.15	1.53	2.58	0.23		.5	3	0	"
130	5/20	1333 / 1338	"	1.0	0.15	1.27	2.59	0.19		.5	3	0	"
131	5/27	1230 / 1232	MC BRIDE - BOWMAN	1.0	0.15	1.07	2.55	0.16		.5	3	0	"
132	6/3	1436 / 1440	MC BRIDE	1.0	0.11	0.73	2.53	0.08		.5	3	0	"
133	6/10	1128 / 1132	"	1.0	0.13	0.77	2.56	0.10		.5	3	0	"
134	6/17	1520 / 1525	SARASUA	1.0	0.07	0.57	2.52	0.04		.6	5	0	"
135	6/24	1044 / 1048	"	1.0	0.09	0.78	2.50	0.07		.6	5	0	"
136	7/1	1338 / 1342	MC BRIDE	1.0	0.12	0.50	2.56	0.06		.5	3	0	"
137	7/8	1410 / 1414	"	1.0	0.10	0.60	2.56	0.06		.5	3	0	"
138	7/15	1244 / 1246	"	0.80	0.10	0.60	2.55	0.06		.5	3	0	"
139	7/23	0920 / 0925	SARASUA	0.70	0.08	1.00	2.57	0.08		.6	5	0	"
140	8/5	1340 / 1346	MC BRIDE	0.60	0.09	0.44	2.59	0.04		.5	3	0	"
141	8/19	1404 / 1406	"	0.60	0.12	0.92	2.74	0.11		.5	3	0	"
142	8/26	1331 / 1335	"	0.60	0.11	0.56	2.71	0.06		.5	3	0	"
143	9/2	1416 / 1420	"	0.60	0.09	0.67	2.72	0.06		.5	3	0	"
144	9/10	1420 / 1422	"	0.60	0.09	0.56	2.67	0.05		.5	3	0	"
145	9/17	1015 / 1020	SARASUA	0.60	0.08	0.87	2.50	0.07		.6	4	0	"
146	9/23	1535 / 1540	"	0.80	0.12	0.67	2.57	0.08		.6	5	0	"

70D76M Cdb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F296-R

Daily discharge, in second-feet of EVEY CANYON CREEK at Camp Baldy Road for the year ending September 30, 19 59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0.1	0.1	0.2	0.3	0.5	a 1.4	2.0	1.0	0.7	0.4	0.2
2	0	0.2	0.1	0.2	0.4	0.5	7.2	1.9	1.0	0.7	0.4	0.3
3	0	0.1	0.1	0.2	2.2	0.5	16	1.8	1.0	0.7	0.4	0.3
4	0	0.1	0.1	0.1	26	0.5	4.3	1.7	1.0	0.6	0.4	0.3
5	0	0.1	0.1	0.1	13	0.5	0.4	1.6	1.0	0.6	0.4	0.3
6	0	0.1	0.1	0.1	b 0.8	0.5	1.7	1.5	1.0	0.5	0.4	0.3
7	0	0.1	0.1	0.1	0.4	0.4	14	1.5	1.0	0.5	0.4	0.3
8	0	0.1	0.1	0.1	0.4	0.4	3.8	1.5	1.1	0.4	0.4	0.3
9	+	0.1	0.1	0.1	0.4	0.4	3.1	1.5	1.1	0.4	0.3	0.3
10	+	0.1	0.1	0.1	0.4	0.4	a 3.1	1.5	1.1	0.4	0.3	0.3
11	0.1	0.1	0.1	0.1	0.4	0.4	3.1	1.4	1.1	0.4	0.3	0.3
12	0.1	0.1	0.1	0.1	0.4	0.3	3.0	1.4	1.1	0.4	0.3	0.3
13	+	0.1	0.1	0.1	b 0.4	0.4	3.0	1.4	1.0	0.4	0.3	0.3
14	+	0.1	0.1	0.1	0.4	0.4	2.9	1.4	0.9	0.4	0.3	0.3
15	0.1	0.1	1.9	0.1	0.4	1.2	2.9	1.4	0.8	0.4	0.2	0.3
16	0.1	0.1	6.9	0.1	0.4	4.7	2.9	1.3	0.8	0.4	0.2	0.3
17	0.1	0.1	2.6	0.1	0.3	1.2	2.8	1.3	0.7	0.4	0.2	0.3
18	0.1	0.1	a 0.6	0.1	0.4	1.2	2.8	1.2	0.7	0.4	0.2	0.3
19	0.1	0.1	0.1	0.1	1.7	1.2	2.8	1.2	0.7	0.4	0.2	0.3
20	0.1	0.1	0.1	0.1	0.5	a 2.3	2.6	1.1	0.7	0.3	0.2	0.3
21	0.1	0.1	0.1	0.1	0.5	2.1	2.7	1.1	0.7	0.3	0.2	0.3
22	0.1	0.1	0.1	0.1	0.5	1.9	2.7	1.1	0.7	0.3	0.2	0.3
23	0.1	0.1	0.1	0.1	0.5	1.7	2.7	1.1	0.7	0.3	0.2	0.3
24	0.1	0.1	0.1	0.1	0.5	1.5	2.6	1.1	0.7	0.3	0.2	0.3
25	0.1	0.1	0.1	0.1	1.4	1.3	2.5	1.1	0.7	0.3	0.2	0.3
26	0.1	0.1	0.1	4.5	0.6	a 1.2	2.4	1.1	0.7	0.3	0.2	0.3
27	0.1	0.1	0.1	0.3	0.5	2.7	2.3	1.1	0.7	0.3	0.2	0.3
28	0.1	0.1	0.1	0.3	0.5	2.4	2.2	1.1	0.7	0.3	0.2	0.2
29	0.1	0.1	0.1	0.3		2.1	2.1	1.1	0.7	0.3	0.2	0.2
30	0.1	0.1	0.2	0.4		2.0	2.0	1.1	0.7	0.3	0.2	0.2
31	0.1		0.2	0.4		2.0		1.1		0.3	0.2	
		31		9.0		38.8		41.7		12.7		8.6
	1.9		14.9		54.6		120.8		25.8		8.4	
MEAN	0.06	0.10	0.48	0.29	1.95	1.25	4.03	1.34	0.86	0.41	0.27	0.29
ACRE-FEET	3.8	6.0	30.	18.	108.	77.	240.	83.	51.	25.	17.	17.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.93
ACRE-FEET 678.

76D74M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

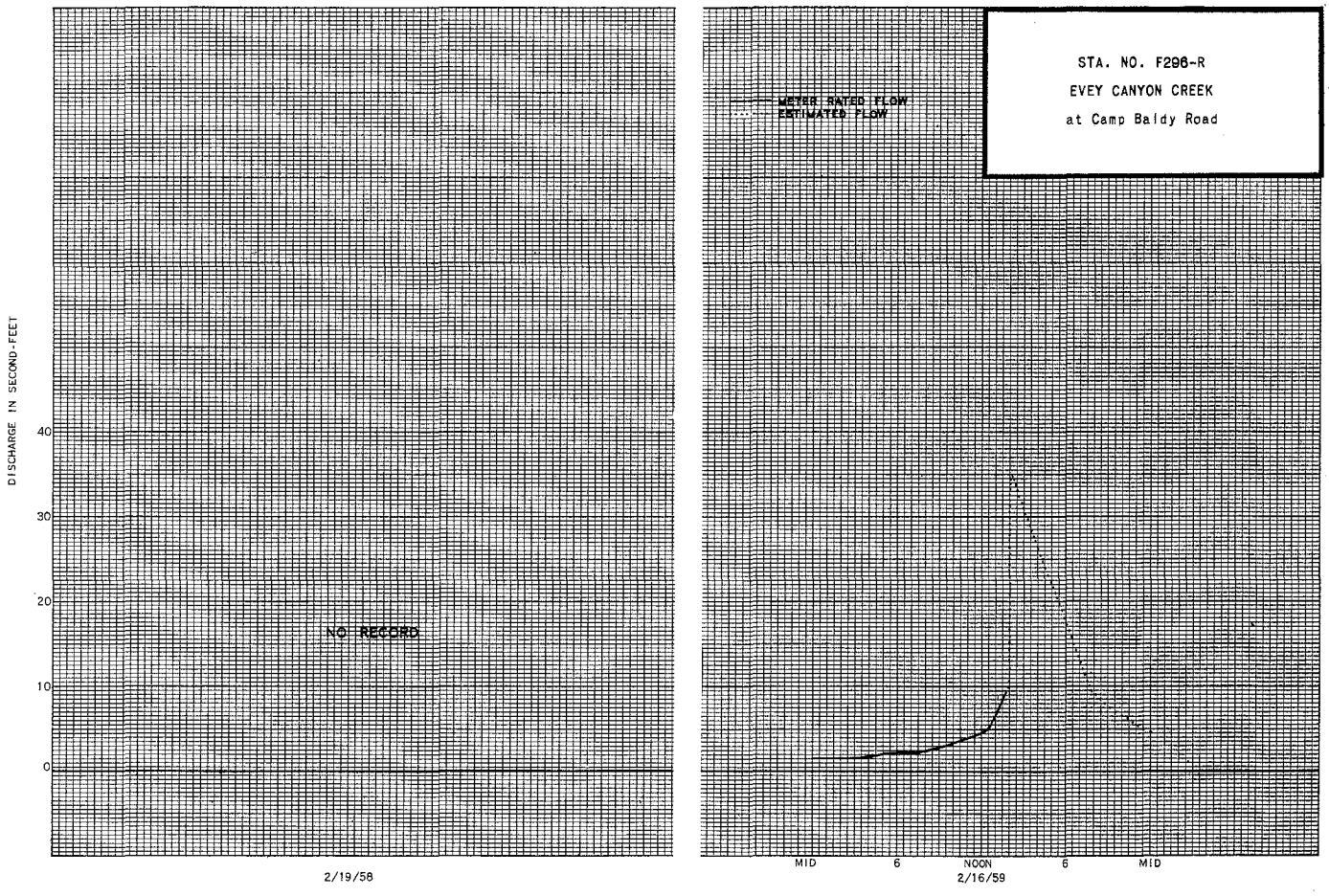
Sta. No. F296-R

Daily discharge, in second-feet of EVEY CANYON CREEK at Camp Baldy Road, for the year ending September 30, 1959

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.1
2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.1
3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.1	0.1	0.1	0.1
4	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.1	0.1	0.1	0.1
5	0.2	0.2	0.3	0.5	0.3	0.3	0.3	0.2	0.1	0.1	0.1	0.1
6	0.2	0.2	0.3	2.3	0.3	0.3	0.3	0.1	0.1	0.1	a 0.1	0.1
7	0.2	0.2	0.3	0.5	0.4	0.3	0.3	0.1	0.1	0.1	0.1	0.1
8	0.2	0.2	0.3	0.4	0.6	0.3	0.3	0.1	0.1	0.1	0.1	0.1
9	0.2	0.2	0.3	0.4	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.1
10	0.2	0.2	0.3	0.4	0.4	0.3	0.3	0.1	0.1	0.1	0.1	0.1
11	0.2	0.3	0.3	0.3	4.2	0.3	0.3	0.1	0.1	0.1	0.1	0.1
12	0.2	0.3	0.3	0.3	2.0	0.3	0.2	0.1	0.1	0.1	0.1	0.1
13	0.2	0.3	0.3	0.3	1.8	0.3	0.2	0.2	0.1	0.1	0.1	0.1
14	0.2	0.3	0.3	0.3	1.8	0.3	0.2	0.2	0.1	0.1	0.1	0.1
15	0.2	0.3	0.3	0.3	1.0	0.3	0.2	0.2	0.1	0.1	0.1	0.1
16	0.2	0.3	0.3	0.3	8.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1
17	0.2	0.3	0.3	0.3	1.8	0.3	0.2	0.2	0.1	0.1	0.1	0.1
18	0.2	0.3	0.3	0.3	1.5	0.3	0.2	0.2	0.1	0.1	0.1	0.1
19	0.2	0.3	0.3	0.3	0.8	0.3	0.2	0.2	0.1	0.1	0.1	0.1
20	0.2	0.3	0.3	0.3	0.5	0.3	0.2	0.2	0.1	0.1	0.1	0.1
21	0.2	0.3	0.3	0.3	b 0.8	0.3	0.2	0.2	0.1	0.1	0.1	0.1
22	0.2	0.3	0.3	0.3	0.5	0.3	0.2	0.2	0.1	0.1	0.1	0.1
23	0.2	0.3	0.3	0.3	0.4	0.3	0.2	0.2	0.1	0.1	0.1	0.1
24	0.2	0.3	0.3	0.3	0.4	0.3	0.2	0.2	0.1	0.1	0.1	0.1
25	0.2	0.3	0.3	0.3	0.4	0.3	0.2	0.2	0.1	0.1	0.1	0.1
26	0.2	0.3	0.3	0.3	0.4	0.3	1.2	0.2	0.1	0.1	0.1	0.1
27	0.2	0.3	0.3	0.3	0.4	0.3	0.2	0.2	0.1	0.1	0.1	0.1
28	0.2	0.3	0.3	0.3	b 0.4	0.3	0.2	0.2	0.1	0.1	0.1	0.1
29	0.2	0.3	0.3	0.3		0.3	0.2	0.2	0.1	0.1	0.1	0.1
30	0.2	0.3	0.3	0.3		0.3	0.2	0.2	0.1	0.1	0.1	0.1
31	0.2		0.3	0.3		0.3		0.2		0.1	a 0.1	
	6.2		9.3		30.9		8.2		3.2		3.1	
		8.0		12.0		9.3		5.5		3.1		3.0
MEAN	0.20	0.27	0.30	0.39	1.10	0.30	2.73	1.77	1.7	1.00	0.1	0.1
ACRE-FEET	12.	16.	18.	24.	61.	18.	16.	11.	6.3	6.1	6.1	6.0

Remarks:

YEAR OR PERIOD MEAN 0.28
ACRE-FEET 202.



STATION U7-R
FISH CREEK above Mouth of Canyon

LOCATION: WATER-STAGE RECORDER AND BROAD-CRESTED WEIR CONTROL. LAT. 34°10'00", LONG. 117°55'25". IN SW 1/4 SW 1/4 SEC. SW 1/4 15.T.1N., R.10W., 0.8 MILE UPSTREAM FROM MOUTH OF CANYON AND 3 MILES NORTHEAST OF DUARTE. ALTITUDE OF GAGE ABOUT 1000 FEET.

DRAINAGE AREA: 6.5 SQUARE MILES.

RECORDS AVAILABLE: JULY TO SEPTEMBER 1916; JULY 1917 TO SEPTEMBER 30, 1959.

AVERAGE DISCHARGE: 42 YEARS (1917-1959) 3.93 SECOND-FEET.

EXTREMES:
1957-58
MAXIMUM DISCHARGE 608 SECOND-FEET APRIL 3. (GAGE HEIGHT 4.75 FEET.)
MINIMUM DAILY DISCHARGE NO FLOW AT TIMES.
1958-59
MAXIMUM DISCHARGE ABOUT 2,000 SECOND-FEET JANUARY 6. (GAGE HEIGHT 14.5 FEET.)
MINIMUM DISCHARGE ON MANY DAYS.
1916-59
MAXIMUM DISCHARGE ABOUT 2100 SECOND-FEET. (REVISED) MARCH 2, 1938 AND JANUARY 23, 1943.
MINIMUM NO FLOW DURING PERIODS IN OCCASIONAL YEARS.

REMARKS: RECORDS GOOD. NO DIVERSIONS OR REGULATION ABOVE STATION.

COOPERATION: RECORDS FURNISHED BY THE UNITED STATES GEOLOGICAL SURVEY, WATER RESOURCES BRANCH. THIRTEEN MEASUREMENTS FURNISHED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF FISH CREEK

AT OR NEAR above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1956

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
2236	10/2		U.S.G.S.				0.92	0.01		EST.		0	
2237	10/14		"	1.5	0.52	1.52	1.08	0.79		.5 .6	9	0	
2238	10/28		"	1.45	0.29	0.76	1.00	0.22		.5	8	0	
2239	11/7	1304 / 1316	HOLLERON	3.0	0.82	0.68	1.05	0.56		.5 .6	11	0	FC48
2240	11/13		U.S.G.S.	1.2	0.33	1.24	1.03	0.41		.5	7	0	
2241	11/26		"	0.90	0.27	1.11	1.04	0.30		.5	6	0	
2242	12/9	1424 / 1436	HOLLERON	3.8	0.97	0.93	1.07	0.90		.5	9	0	FC48
2243	12/17		U.S.G.S.	14.0	10.7	2.35	2.11	24.1		.5 .6	23	-.02	
2244	1/3		"	2.0	0.80	1.08	1.10	0.86		.5 .6	11	0	
2245	1/8	1408 / 1416	HOLLERON	2.1	0.55	1.71	1.09	0.94		.5	8	0	FC48
2246	1/17		U.S.G.S.	1.2	0.56	1.09	1.08	0.61		.5 .6	7	0	
2247	1/23	0916 / 0924	HOLLERON	3.0	1.01	0.68	1.07	0.69		.6	9	0	FC48
2248	1/29		U.S.G.S.	8.0	5.19	0.95	1.41	4.95		.5 .6	24	0	
2249	2/3		"	14.5	13.3	2.89	2.29	38.4		.6	19	-.02	
2250	2/4		"	17.0	27.1	8.86	3.36	192.		.6	9	-.05	
2251	2/5		"	14.0	12.9	2.66	2.29	34.3		.5 .6	20	0	
2252	2/19		"	14.8	17.0	3.26	2.56	55.5		.6	11	-.03	
2253	2/24		"	4.5	4.50	2.20	1.55	9.88		.5 .6	11	0	
2254	3/1		"	12.8	5.50	1.66	1.60	9.15		.5 .6	27	0	
2255	3/14		"	4.7	4.03	1.84	1.48	7.46		.5 .6	15	0	
2256	3/17		"	20.0	14.9	2.60	2.30	38.7		.5 .6	21	0	
2257	3/26		"	13.9	9.53	1.96	1.89	18.6		.5 .6	18	0	
2258	4/2		"	18.9	20.4	3.49	2.75	71.1		.2.8 .6	16	0	
2259	4/10		U.S.G.S.	20.0	15.3	2.78	2.30	42.5		.5 .6	21	0	
2260	4/17		"	12.6	8.74	1.98	1.83	17.3		.5 .6	27	-.01	
2261	4/23		"	7.5	8.32	1.18	1.60	9.85		.6	16	+.01	
2262	5/1		"	12.6	6.07	1.43	1.51	8.83		.5 .6	19	0	
2263	5/16		"	12.2	5.33	0.96	1.39	5.12		.5 .6	26	+.01	
2264	5/21		"	3.3	3.40	1.33	1.40	4.51		.6	12	-.01	
2265	6/4		"	3.2	2.91	1.00	1.28	2.92		.5 .6	11	0	
2266	6/10		"	6.2	3.19	1.10	1.32	3.50		.5.6 .2.8	20	-.01	
2267	6/12	1126 / 1138	HOLLERON	6.3	3.45	1.01	1.32	3.51		.6	12	0	FC56
2268	6/18		U.S.G.S.	6.3	3.02	0.82	1.24	2.47		.6	22	-.02	
2269	7/2		"	6.0	2.51	0.72	1.19	1.80		.5 .6	21	-.01	
2270	7/23		"	6.0	2.58	0.60	1.20	1.56		.5 .6	17	0	
2271	7/31	1048 / 1100	HOLLERON	6.2	2.56	0.51	1.15	1.30		.6	9	0	FC48
2272	8/8		U.S.G.S.	6.2	2.27	0.45	1.14	1.03		.5 .6	15	0	
2273	8/13	1032 / 1046	HOLLERON	6.1	2.28	0.43	1.12	0.98		.6	10	0	FC48
2274	8/28	1425 / 1440	ROY	2.1	0.32	1.78	1.12	0.57		.5	6	0	"
2275	9/3		U.S.G.S.	1.3	0.97	0.91	1.13	0.88		.6	5	0	
2276	9/16		"	0.80	0.22	1.00	1.08	0.22		.5 .6	6	0	

DISCHARGE MEASUREMENTS OF FISH CREEK

~~AT~~ NEAR above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 59

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	D. HT. CHANGE TOTAL	METER NO.
2277	10/2		U.S.G.S.	0.8	0.17	1.29	1.07	0.22		.5/.6	5	0	
2278	10/13		"	1.0	0.25	1.52	1.13	0.38		.5/.6	6	0	
2279	10/23	1114 / 1122	HOLLERON	3.5	1.29	0.85	1.16	1.11		.6	8	0	FC48
2280	10/28		U.S.G.S.	3.5	0.45	2.84	3.32	1.28		.5	8	0	
2281	11/13		"	1.6	0.35	2.69	3.18	0.94		.5/.6	6	0	
2282	11/20	1055 / 1105	HOLLERON	2.8	0.49	2.04	2.93	1.00		.5	8	0	FC48
2283	12/3	1444 / 1452	"	3.0	0.62	1.78	2.95	1.13		.5	9	0	"
2284	12/9		U.S.G.S.	1.3	0.48	2.61	2.98	1.25		.6	5	0	
2285	12/17	1450 / 1500	HOLLERON	3.2	0.49	2.25	2.95	1.05		.5	9	0	FC48
2286	12/18		U.S.G.S.	1.2	0.42	2.81	2.90	1.18		.6	5		
2287	1/2	1416 / 1424	HOLLERON	2.7	0.58	1.97	3.00	1.14		.5	8	0	FC48
2288	1/5		U.S.G.S.	2.9	0.52	2.54	3.01	1.32		.5	10	0	
2288a	1/6		"					1920.		EST.			
2289	1/7		"	5.5	0.74		5.37	3.95		.5	11		
2290	1/17		"	3.4	0.49	2.52	5.24	1.23		.5	11	+.02	
2291	1/22		"	3.8	0.48	3.33	5.58	1.60		.5	14	-.01	
2292	2/3		"	1.8	0.41	3.10	5.53	1.27		.5/.6	7	0	
2293	2/11		"		CHANNELS			10.5					
2294	2/18		"	20.1			7.62	11.2			19		
2295	2/24		"	6.0	1.50		8.20	5.24		.5	7	0	
2296	2/26		"	5.0	1.10	3.40	8.20	3.74		.5	6	0	
2297	3/2		"	5.0	0.75	4.82	8.14	3.62		FLOAT			
2298	3/6		"	0.5	0.75	5.0	8.16	3.75		"			

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	D. HT. CHANGE TOTAL	METER NO.
2299	3/10		U.S.G.S.	5.0	0.62	3.40	7.99	2.11		.5	9	0	
2300	3/13		"	3.4	0.52	3.67	7.90	1.91		.5	10	0	
2301	3/17		"	3.0	0.46	4.20	7.80	1.93		.5	7	0	
2302	3/20		"	2.5	0.45	3.64	7.56	1.64		.5	6	0	
2303	3/24		"	4.0	0.72		7.76	1.73		.5	13	0	
2304	3/26	1416 / 1424	HOLLERON	4.0	0.45	3.00	7.80	1.35		.5	9	0	FC48
2305	3/27		U.S.G.S.	3.9	0.60		7.75	1.78		.5	14		
2306	3/31		"	2.8	0.62	2.45	7.25	1.52		.5	8	0	
2307	4/3		"	2.8	0.66	2.11	7.10	1.39		.5/.6	8	0	
2308	4/6		"	3.9	0.73	2.10	7.11	1.53		.5	14	+.01	
2309	4/15		"	2.4	0.54	2.41	7.05	1.30		.5	9	0	
2310	4/27		"	3.5	0.61	3.79	7.48	2.31		.5	8	0	
2311	5/6		"	4.1	0.45	2.51	7.72	1.13		.5	11	0	
2312	5/18		"	3.6	0.49	2.78	7.28	1.36					
2313	6/4		"	1.6	0.54	2.02	6.78	1.09		.5/.6	9	-.01	
2314	6/15		"	1.5	0.40	2.05	6.77	0.82		.5	9	0	
2315	7/15		"	1.6	0.31	1.68	6.72	0.52		.5	10	0	
2316	8/6		"	1.6	0.33	1.30	6.70	0.43		.5	8	0	
2317	7/2		"	1.3	0.31	1.39	6.76	0.43		.5	8	0	
2318	7/15		"	1.3	0.35	1.43	6.69	0.50		.5	13	0	

75D74M Cab 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U7-R

Daily discharge, in second-feet of FISH CREEK above Mouth of Canyon for the year ending September 30, 19 56

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0.4	0.3	0.9	2.4	9.2	115	9.0	3.8	1.8	1.2	0.5
2	0	0.7	0.3	0.9	2.2	8.3	75	8.8	4.0	2.0	1.2	0.7
3	0	2.1	0.2	0.9	39	7.7	212	8.3	3.8	2.1	1.1	0.8
4	0	1.1	0.3	0.8	127	7.5	101	7.2	3.5	2.0	1.1	0.9
5	0	1.0	7.2	0.8	38	6.8	75	6.8	3.5	2.0	1.0	0.6
6	0	0.7	2.3	0.8	20	11	62	6.6	3.5	2.0	0.9	0.5
7	0	0.5	1.5	0.8	12	8.6	76	6.6	3.2	1.8	0.9	0.5
8	0	0.5	1.2	0.8	9.2	8.1	67	6.6	3.3	1.4	0.9	0.5
9	0	0.5	0.9	0.9	7.2	7.7	49	6.4	3.2	1.5	0.9	0.4
10	0	0.5	0.9	0.9	6.4	7.2	43	6.1	3.2	1.4	0.8	0.4
11	0.2	0.5	0.8	0.9	5.5	9.2	39	6.6	3.3	1.4	0.8	0.4
12	0.1	0.4	0.8	0.9	5.1	8.1	34	6.6	3.3	1.4	0.8	0.4
13	0.1	0.4	0.8	0.8	4.6	7.9	30	6.1	2.9	1.5	0.9	0.4
14	0.6	0.4	0.7	0.7	4.3	7.7	26	5.7	2.6	1.6	0.9	0.4
15	0.4	0.4	13	0.7	4.1	14	23	5.5	2.6	1.6	1.2	0.2
16	0.3	0.4	30	0.7	3.7	107	19	5.4	2.6	1.5	1.2	0.2
17	0.3	0.4	39	0.6	3.3	42	18	5.5	2.4	1.5	0.9	0.1
18	0.3	0.4	7.7	0.6	4.0	30	16	5.3	2.3	1.4	0.8	0.2
19	0.3	0.3	3.5	0.6	40	21	14	5.4	2.3	1.3	0.8	0.1
20	0.3	0.3	2.4	0.7	23	20	12	5.2	2.3	1.2	0.6	0.1
21	0.3	0.3	2.1	0.7	17	21	11	4.8	2.2	1.2	0.7	0.1
22	0.2	0.3	1.8	0.7	13	41	11	4.8	2.1	1.3	0.6	0.2
23	0.2	0.3	1.4	0.7	11	28	10	4.6	2.0	1.2	0.6	0.4
24	0.2	0.3	1.4	0.7	9.8	23	9.7	4.4	1.9	1.1	0.5	0.5
25	0.2	0.3	1.3	1.9	26	20	9.7	4.3	2.1	1.2	0.5	0.4
26	0.2	0.3	1.2	51	15	18	9.2	3.8	1.9	1.3	0.5	0.2
27	0.3	0.3	1.1	10	11	26	9.2	3.8	1.8	1.4	0.5	0.2
28	0.2	0.3	1.1	7.2	9.9	21	9.2	3.7	1.6	1.3	0.5	0.2
29	0.2	0.3	1.1	5.1		18	9.2	3.7	1.8	1.2	0.5	0.2
30	0.2	0.3	1.0	3.8		19	9.2	3.7	1.8	1.2	0.6	0.2
31	0.5		0.9	3.0		17		3.8		1.2	0.6	
	5.6		128.2		473.7		1203.4		80.8		25.2	
		14.9		100.5		601.0		175.1		46.0		10.9
MEAN	0.18	0.50	4.14	3.24	16.9	19.4	40.1	5.65	2.69	1.48	0.81	0.36
ACRE-FEET	11.	30.	254.	199.	940.	1190.	2390.	347.	160.	91.	50.	22.

Remarks:

YEAR OR PERIOD MEAN 7.85
ACRE-FEET 5680.

FORM 4M Oct 1-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U7-R

Daily discharge, in second-feet of FISH CREEK above Mouth of Canyon for the year ending September 30, 1960

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.2	1.0	1.1	1.1	1.0	3.5	1.5	1.3	1.1	0.8	0.4	0.1
2	0.2	1.0	1.0	1.1	1.0	3.5	1.5	1.2	1.1	0.8	0.4	0.1
3	0.1	1.0	1.0	1.2	1.1	3.5	1.5	1.1	1.1	0.7	0.4	0.1
4	0.1	1.0	1.0	1.2	1.0	3.5	1.5	1.0	1.1	0.6	0.4	0.1
5	0.2	1.0	1.0	1.4	1.0	3.5	1.5	1.0	0.9	0.6	0.4	0.1
6	0.3	1.0	1.0	200	1.0	3.5	1.4	0.9	0.9	0.5	0.4	0.1
7	0.4	1.0	1.0	4.7	1.0	3.0	1.4	0.9	0.9	0.4	0.4	0.1
8	0.4	1.0	1.0	2.2	10	2.5	1.4	0.9	0.9	0.4	0.4	0.1
9	0.4	1.0	1.0	1.5	3.0	2.5	1.4	0.9	0.9	0.4	0.3	0.1
10	0.4	1.0	1.1	1.5	2.0	2.5	1.4	0.9	0.8	0.4	0.3	0.1
11	0.4	1.0	1.1	1.5	60	2.5	1.4	0.9	0.8	0.4	0.2	0.2
12	0.4	1.0	1.1	1.5	15	2.5	1.3	0.9	0.8	0.4	0.2	0.2
13	0.4	0.9	1.1	1.5	5.0	2.5	1.3	0.9	0.8	0.4	0.2	0.2
14	0.4	0.9	1.1	1.5	3.0	2.0	1.3	0.9	0.8	0.4	0.2	0.3
15	0.4	1.0	1.1	1.5	2.0	2.0	1.3	0.9	0.8	0.4	0.2	0.4
16	0.4	1.0	1.1	1.4	80	2.0	1.4	1.0	0.8	0.4	0.2	0.4
17	0.5	1.0	1.0	1.3	25	2.0	1.4	0.9	0.8	0.4	0.2	0.4
18	0.5	1.0	1.1	1.2	10	2.0	1.5	0.9	0.7	0.4	0.2	0.4
19	0.6	1.0	1.2	1.2	5.0	2.0	1.5	0.9	0.7	0.4	0.2	0.4
20	0.8	1.0	1.2	1.1	3.0	2.0	1.4	1.0	0.6	0.4	0.2	0.4
21	0.8	1.0	1.2	1.1	2.0	2.0	1.3	1.0	0.6	0.5	0.2	0.4
22	0.9	0.9	1.2	1.1	5.0	2.0	1.3	1.0	0.6	0.5	0.2	0.4
23	1.0	1.1	1.1	1.0	5.0	2.0	1.2	1.0	0.6	0.5	0.2	0.4
24	7.5	1.3	1.1	1.0	5.0	2.0	1.3	1.0	0.6	0.5	0.2	0.4
25	5.2	1.2	1.1	1.0	4.0	1.5	3.8	1.0	0.7	0.5	0.2	0.4
26	1.5	1.2	1.1	1.0	4.0	1.5	5.7	1.0	0.7	0.5	0.2	0.4
27	1.5	1.1	0.9	1.0	4.0	1.5	2.7	1.0	0.8	0.5	0.2	0.4
28	1.5	1.1	0.9	1.0	4.0	1.5	2.5	1.0	0.8	0.5	0.2	0.5
29	1.0	1.1	0.9	1.0		1.5	2.0	1.0	0.8	0.5	0.1	0.5
30	1.0	1.1	0.9	1.0		1.5	1.4	1.0	0.8	0.5	0.1	0.5
31	1.0		0.9	1.0		1.5		1.1		0.4	0.1	
	30.4	30.9	32.6	240.8	263.1	66.5	51.5	30.4	24.3	15.0	7.7	8.6
MEAN	0.98	1.03	1.05	7.77	9.40	2.15	1.72	0.98	0.81	0.48	0.25	0.29
ACRE-FEET	60.	61.	65.	478.	522.	132.	102.	60.	48.	30.	15.	17.

Remarks:

YEAR OR PERIOD MEAN 2.20
ACRE-FEET 1590.

STATION U12-R
HAINES CREEK above Mouth of Canyon

LOCATION: WATER-STAGE RECORDER AND BROAD-CRESTED WEIR. LAT 34°15'50", LONG. 118°16'15", IN NW 1/4 NW 1/4 SEC. 17. T2.N., R.13W., 0.5 MILE UPSTREAM FROM MOUTH OF CANYON AND 1.5 MILE NORTHEAST OF TUJUNGA. ALTITUDE OF GAGE ABOUT 2430 FEET.

DRAINAGE AREA: 1.2 SQUARE MILES.

RECORDS AVAILABLE: FEBRUARY 1917 TO SEPTEMBER 1934. OCTOBER 1935 TO SEPTEMBER 30 1959.

AVERAGE DISCHARGE: 41 YEARS. 0.14 SECOND-FOOT.

EXTREMES
1957-58
MAXIMUM DISCHARGE 20 SECOND-FEET APRIL 3. (GAGE HEIGHT 2.56 FEET.)
MINIMUM DAILY DISCHARGE NO FLOW DURING MOST OF YEAR.
1958-59
MAXIMUM DISCHARGE 22 SECOND-FEET JANUARY 6. (GAGE HEIGHT 2.58 FEET.)
MINIMUM DAILY DISCHARGE NO FLOW DURING MOST OF YEAR. (SEE REMARKS)
1917-34, 1935-59
MAXIMUM DISCHARGE OF RECORD 265 SECOND-FEET MARCH 2, 1938. (GAGE HEIGHT 4.60 FEET.)
MINIMUM DISCHARGE NO FLOW AT TIMES DURING MANY YEARS.

REMARKS: RECORDS GOOD FOR LOW FLOW, POOR ABOVE 3 CFS. ATTAINED A GAGE HEIGHT OF APPROXIMATELY 11 FEET JANUARY 1, 1934. DISCHARGE NOT DETERMINED. DIVERSIONS ABOVE STATION FOR DOMESTIC USE.

COOPERATION: RECORDS FURNISHED BY THE UNITED STATES GEOLOGICAL SURVEY. WATER RESOURCES BRANCH.

DISCHARGE MEASUREMENTS OF HAINES CREEK

AT NEAR above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 58

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	S. HT. CHANGE TOTAL	METER NO.
664	12/16		U.S.G.S.				1.01	0.02	EST.			0	
665	12/16		"				1.01	0.02	EST.			0	
666	2/3		"	1.7	0.51	2.61	1.30	1.33	.6	6		0	
667	2/5		"				1.01	0.02	EST.			0	
668	2/14		"				1.02	0.03	EST.			0	
669	2/19		"	2.4	0.43	3.46	1.67	1.48	.6	7		-.03	
670	3/13		"				1.08	0.04	EST.			0	
671	3/17		"	0.80	0.07	1.85	1.16	0.13	.5	9		+.03	
672	4/1		"	2.4	0.37	2.71	1.41	1.00	.5	10		-.02	
673	4/3		"	3.0	0.57	2.55		1.45	.5	14		0	
674	4/4		"	2.0	0.34	1.79	1.26	0.60	.5	11		0	
675	4/15		"	2.5	0.53	1.74	1.30	0.92	.5	10		0	
676	4/24		"	1.8	0.25	1.76	1.25	0.44	.5	7		0	
677	4/28		"	1.6	0.33	1.27	1.22	0.42	.5	7		0	
678	5/6		"	1.5	0.26	1.04	1.19	0.27	.5	6		0	
679	5/13		"	1.4	0.27	1.04	1.20	0.28	.5	6		-.04	
680	5/28		"				1.12	0.13	FLUME			0	
681	6/17		"				1.07	0.04	"			0	
682	6/30		U.S.G.S.				1.06	0.01	FLUME			0	
683	7/15		"				1.04	0.01	"			0	
684	7/31		"				1.05	0.01	"			0	
685	8/14		"				1.04	0.01	"			0	
686	8/28		"				1.10	0.01	EST.			0	
687	9/9		"				1.11	0.01	EST.			0	
688	9/29		"				1.10	0.01	EST.			0	

DISCHARGE MEASUREMENTS OF HAINES CREEK

AT NEAR above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 59

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	S. HT. CHANGE TOTAL	METER NO.
689	1/7		U.S.G.S.				1.08	0.01	EST.			0	
690	2/12		"				1.04	0.05	"			0	
691	3/2		"				1.04	0.05	"			0	
692	3/30		"				1.12	0.05	"			0	
693	4/13		"				1.12	0.05	"			0	
694	4/29		"				1.05	0.05	"			0	

7-57M C&L 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U12-R

Daily discharge, in second-feet of HAINES CREEK above Mouth of Canyon for the year ending September 30, 1958

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	5.6	0.4	0.2	0	0	0
2	0	0	0	0	0	0	1.0	0.4	0.1	0	0	0
3	0	0	0	0	1.0	0	7.5	0.4	0.1	0	0	0
4	0	0	0	0	1.9	0	0.6	0.3	0.1	0	0	0
5	0	0	0	0	0	0	0.5	0.3	0.1	0	0	0
6	0	0	0	0	0	0.1	1.0	0.3	0.1	0	0	0
7	0	0	0	0	0	0.1	1.4	0.3	0.1	0	0	0
8	0	0	0	0	0	0.1	1.4	0.3	0.1	0	0	0
9	0	0	0	0	0	0	1.3	0.3	0.1	0	0	0
10	0	0	0	0	0	0	1.3	0.3	0.1	0	0	0
11	0	0	0	0	0	0	1.3	0.3	0.1	0	0	0
12	0	0	0	0	0	0	1.3	0.3	0.1	0	0	0
13	0	0	0	0	0	0	1.2	0.3	0.1	0	0	0
14	0	0	0	0	0	0	1.2	0.3	0.1	0	0	0
15	0	0	0.1	0	0	0.2	1.1	0.3	0.1	0	0	0
16	0	0	0	0	0	0.6	1.0	0.2	0.1	0	0	0
17	0	0	0.1	0	0	0.2	1.0	0.2	0.1	0	0	0
18	0	0	0	0	0	0	0.9	0.2	0.1	0	0	0
19	0	0	0	0	0.5	0	0.8	0.2	0.1	0	0	0
20	0	0	0	0	0	0	0.8	0.1	0.1	0	0	0
21	0	0	0	0	0	0.2	0.7	0.1	0	0	0	0
22	0	0	0	0	0	3.7	0.6	0.1	0	0	0	0
23	0	0	0	0	0	4.2	0.5	0.1	0	0	0	0
24	0	0	0	0	0	0	0.4	0.1	0	0	0	0
25	0	0	0	0	0.1	0	0.4	0.1	0	0	0	0
26	0	0	0	0.1	0	0	0.4	0.1	0	0	0	0
27	0	0	0	0	0	4.8	0.5	0.1	0	0	0	0
28	0	0	0	0	0	0	0.5	0.1	0	0	0	0
29	0	0	0	0		0	0.5	0.1	0	0	0	0
30	0	0	0	0		0	0.5	0.1	0	0	0	0
31	0		0	0		1.3		0.1		0	0	
	0		0.2		3.5		37.2		2.1		0	
		0		0.1		15.5		6.8		0		0
MEAN	0	0	0.006	0.003	0.12	0.50	1.24	0.22	0.07	0	0	0
ACRE-FEET	0	0	0.4	0.2	6.9	31.	74.	13.	4.2	0	0	0

Remarks:

YEAR OR PERIOD MEAN 0.18
ACRE-FEET 130.

TADT6M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U12-R

Daily discharge, in second-feet of HAINES CREEK above Mouth of Canyon, for the year ending September 30, 1959

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	1.1	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	2.7	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0.6	0	0	0	0	0	0	0
17	0	0	0	0	0.1	0	0	0	0	0	0	0
18	0	0	0	0	0.1	0	0	0	0	0	0	0
19	0	0	0	0	0.1	0	0	0	0	0	0	0
20	0	0	0	0	0.1	0	0	0	0	0	0	0
21	0	0	0	0	0.3	0	0	0	0	0	0	0
22	0	0	0	0	0.1	0	0	0	0	0	0	0
23	0	0	0	0	0.1	0	0	0	0	0	0	0
24	0	0	0	0	0.1	0	0	0	0	0	0	0
25	0	0	0	0	0.1	0	0	0	0	0	0	0
26	0	0	0	0	0.1	0	0	0	0	0	0	0
27	0	0	0	0	0.1	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0		0	0	0	0	0	0	0
30	0	0	0	0		0	0	0	0	0	0	0
31	0		0	0		0		0		0	0	
	0	0	0	1.1	4.6	0	0	0	0	0	0	0
MEAN	0	0	0	0.04	0.16	0	0	0	0	0	0	0
ACRE-FEET	0	0	0	2.2	9.1	0	0	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 0.02
ACRE-FEET 11.3

STATION F287B-R
LA TUNA CREEK below Debris Basin

LOCATION: WATER-STAGE RECORDER, LAT. 34°14'16", LONG. 118°19'23", ON THE RIGHT (NORTHERLY) BANK BELOW DEBRIS BASIN, 3.4 MILES NORTHEAST OF SUN VALLEY, ELEVATION OF ZERO GAGE HEIGHT, 1106.1 FEET.

DRAINAGE AREA: 5.34 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - TRAPEZOIDAL CONCRETE, BOTTOM WIDTH 20 FEET.
CONTROL - CHANNEL FORMS CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM UPSTREAM SIDE OF WOODEN BRIDGE.

RECORDER: AN H.C.F. RECORDER IN SERVICE FROM OCTOBER 1, 1957 TO SEPTEMBER 30, 1959.

REGULATION AND/OR DIVERSIONS: REGULATED BY LA TUNA DEBRIS BASIN.

RECORDS AVAILABLE: MARCH 13, 1946 TO NOVEMBER 21, 1955 AT STATION F287-R; NOVEMBER 21, 1955 TO SEPTEMBER 30, 1959 AT STATION F287B-R.

EXTREMES OF DISCHARGE:
1957-58
MAXIMUM 55 SECOND-FEET APRIL 3.
MINIMUM NO FLOW MOST OF YEAR.
1958-59
MAXIMUM 86 SECOND-FEET JANUARY 6.
MINIMUM NO FLOW MOST OF YEAR.
1946-59
MAXIMUM DISCHARGE OF RECORD 656 SECOND-FEET JANUARY 16, 1952.
MINIMUM NO FLOW MOST OF EACH YEAR.

ACCURACY: POOR DURING HIGH FLOWS. FAIR DURING LOW FLOWS.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF LA TUNA CANYON

AT OR NEAR below Debris Basin DURING THE YEAR ENDING SEPTEMBER 30, 1958

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
9	12/15	1022 / 1026	HYDE-FEIKER	3.0	0.71	1.10	0.07	0.79		.5	5	0	FC58
10	1/26	0110 / 0115	HYDE-HEMPHILL	1.5	0.21	1.09	0.00	0.23		.5	4	0	FC40
11	2/3	0534 / 0537	" "	2.5	0.84	1.90	0.10	1.6		.5	5	+.03	"
12	2/19	0510 / 0518	HYDE-MEDINA	6.0	1.81	1.49	0.30	2.7		.6	6	0	"
13	2/19	1245 / 1255	" "	15.5	9.29	2.69	0.88	25.0		.6	11	0	"
14	2/25	1444 / 1449	" "	2.9	1.02	0.82	0.11	0.84		.5	5	0	"
15	2/26	0810 / 0816	HYDE	2.2	0.45	0.62	0.04	0.28		.5	6	0	"
16	3/22	0240 / 0247	HYDE-MEDINA	7.0	1.64	1.89	0.41	3.1		.5	8	0	"
17	3/26	1639 / 1642	HYDE-WOOD	2.0	0.34	0.97	0.15	0.33		.5	5	0	"
18	3/27	0952 / 0958	HYDE	3.2	1.27	1.81	0.32	2.3		.6	5	0	"
19	4/1	0840 / 0846	HYDE-MEDINA	7.0	3.23	1.73	0.45	5.6		.6	7	0	"
20	4/2	1413 / 1422	FALCONE-HYDE	8.0	2.31	2.08	0.55	4.8		.5	10	-.01	"
21	4/3	0903 / 0917	" "		CHANNELS			0.82	29.9	.6	13	-.01	"
22	4/7	0836 / 0845	HYDE-MEDINA	11.0	5.20	2.08	0.62	10.8		.6	9	0	"
23	4/9	1642 / 1648	HYDE	3.5	1.52	1.84	0.45	2.8		.6	6	0	"

DISCHARGE MEASUREMENTS OF LA TUNA CREEK

AT below Debris Basin DURING THE YEAR ENDING SEPTEMBER 30, 1959

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
24	4/15	1518 / 1524	HYDE	2.7	0.53	2.08	0.74	1.1		.5	6	0	FC40

78DT4M Cdb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F267B-R

Daily discharge, in second-feet of LA TUNA CREEK below Debris Basin for the year ending September 30, 19 56

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	7.0	0	0	0	0	0
2	0	0	0	0	0	0	6.2	0	0	0	0	0
3	0	0	0	0	0.4	0	19	0	0	0	0	0
4	0	0	+	0	4.2	0	9.2	0	0	0	0	0
5	0	0	+	0	1.2	0	4.3	0	0	0	0	0
6	0	0	0	0	0.1	+	7.2	0	0	0	0	0
7	0	0	0	0	0	0	11	0	0	0	0	0
8	0	0	0	0	0	0	5.0	0	0	0	0	0
9	0	0	0	0	0	0	3.1	0	0	0	0	0
10	0	0	0	0	0	+	2.9	0	0	0	0	0
11	+	0	0	0	0	0	2.1	0	0	0	0	0
12	0	0	0	0	0	+	1.3	0	0	0	0	0
13	0	0	0	0	0	+	0.9	0	0	0	0	0
14	+	0	0	0	0	+	0.6	0	0	0	0	0
15	0	0	+	0	0	0.5	0.3	0	0	0	0	0
16	0	0	+	0	0	1.2	0.2	0	0	0	0	0
17	0	0	+	0	0	0.3	+	0	0	0	0	0
18	0	0	0	0	0	0.1	0	0	0	0	0	0
19	0	0	0	0	5.2	+	0	0	0	0	0	0
20	+	0	0	0	2.3	0.2	0	0	0	0	0	0
21	0	0	0	0	0.8	1.3	0	0	0	0	0	0
22	0	0	0	0	0.3	2.6	0	0	0	0	0	0
23	0	0	0	0	0	1.3	0	0	0	0	0	0
24	0	0	0	0	0	1.1	0	0	0	0	0	0
25	0	0	0	+	0.7	0.9	0	0	0	0	0	0
26	0	0	0	+	0.2	0.6	0	0	0	0	0	0
27	0	0	0	0	0	1.4	0	0	0	0	0	0
28	0	0	0	0	0	1.4	0	0	0	0	0	0
29	0	0	0	0		0.5	0	0	0	0	0	0
30	0	0	0	0		0.2	0	0	0	0	0	0
31	0		0	0		0.2		0		0	0	
		0		+		13.8		0		0		0
	+		+		15.4		80.3		0		0	
MEAN	+	0	+	+	0.55	0.45	2.68	0	0	0	0	0
ACRE-FEET	+	0	+	+	31.	27.	159.	0	0	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.30
ACRE-FEET 217.

F6D74M Cdb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

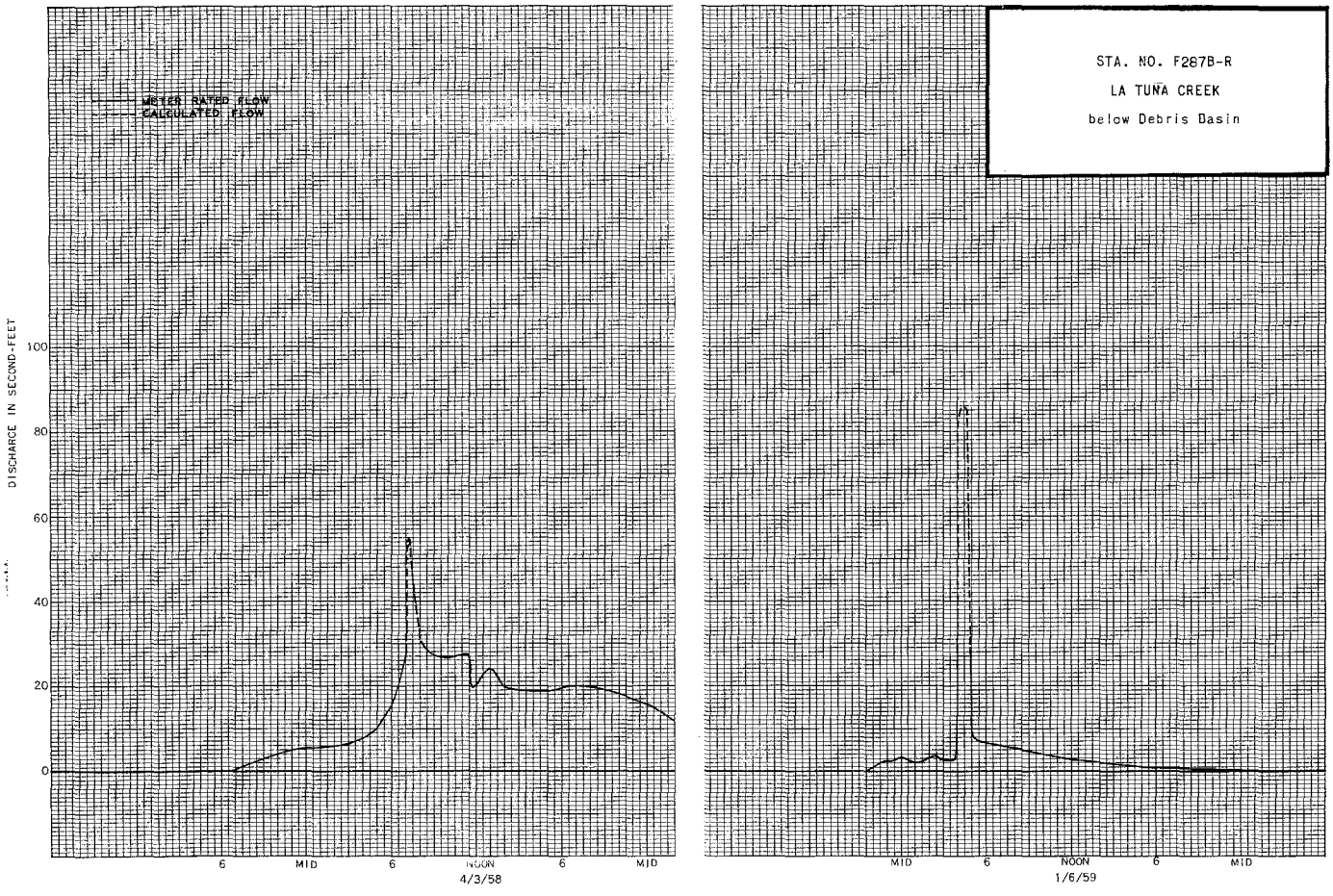
Sta. No. F287B-R

Daily discharge, in second-feet of LA TUNA CREEK below Debris Basin for the year ending September 30, 19 59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	0				
2	0	0	0	0	0	0	0	0				
3	0	0	0	0	0	0	0	0				
4	0	0	0	0	0	0	0	0				
5	0	0	0	0.4	0	0	0	0				
6	0	0	0	5.1	0	0	0	0				
7	0	0	0	+	0	0	0					
8	0	0	0	0	+	0	0					
9	0	0	0	0	0	0	0					
10	0	0	0	0	0	0	0					
11	0	0	0	0	0	0	0					
12	0	0	0	0	0	0	0					
13	0	0	0	0	0	0	0					
14	0	0	0	0	0	0	0					
15	0	0	0	0	+	0	0.2					
16	0	0	0	0	+	0	0.3	STOPPED FOR SUMMER				0
17	0	0	0	0	0	0	0.3					0
18	0	0	0	0	+	0	0.3					0
19	0	0	0	0	0	0	0.3					0
20	0	0	0	0	0	0	0.3					0
21	0	0	0	0	+	0	0.3					0
22	0	0	0	0	0	0	0.1					0
23	0	0	0	0	0	0	0.3					0
24	0.2	0	0	0	a 0	0	+					0
25	0	0	0	0	a 0	0	0.2					0
26	0	0	0	0	0	0	+					0
27	0	0	0	0	0	0	0					0
28	0	0	0	0	0	0	0					0
29	0	0	0	0		0	0					0
30	0	0	0	0		0	0					0
31	0		0	0		0						
	0.2		0				2.6		0		0	
		0		5.5		0		0		0		0
MEAN	.01	0	0	0.18	+	0	0.09	0	0	0	0	0
ACRE-FEET	0.4	0	0	11.	+	0	5.2	0	0	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN +
ACRE-FEET 16.6



STATION F65B-R
LITTLE DALTON CREEK above Mouth of Canyon

LOCATION: WATER-STAGE RECORDER, LAT. 34°10'03", LONG. 117°50'15", ON THE LEFT (EAST) BANK ABOUT 120 FEET ABOVE GLENDORA MOUNTAIN ROAD CROSSING, 0.8 MILE ABOVE MOUTH OF CANYON AND ABOUT 2.6 MILES NORTHEAST OF GLENDORA. ELEVATION OF ZERO GAGE HEIGHT 1334.38.

DRAINAGE AREA: 2.7 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - ROCK AND GRAVEL WITH WIRE MAT RIPRAP ON SIDES.
CONTROL - RUBELE AND CONCRETE CHECK IN CHANNEL BOTTOM.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING; HIGH FLOWS MEASURED FROM BRIDGE CROSSING 122 FEET BELOW STATION.

RECORDER: AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1957 TO SEPTEMBER 30, 1959.

REGULATION: NONE.

DIVERSIONS: NONE. GLENDORA IRRIGATING COMPANY DIVERTS BELOW STATION.

RECORDS AVAILABLE:
AT STATION F65-R - JANUARY 28, 1929 TO NOVEMBER 23, 1938.
AT STATION F65B-R NOVEMBER 30, 1938 TO SEPTEMBER 30, 1957.

EXTREMES OF DISCHARGE:
1957-58
MAXIMUM 180 SECOND-FEET APRIL 3.
MINIMUM NO FLOW AT VARIOUS TIMES.
1958-59
MAXIMUM 64 SECOND-FEET FEBRUARY 16.
MINIMUM NO FLOW FOR SEVERAL MONTHS.
1929-59
MAXIMUM 960 SECOND-FEET, ESTIMATED MARCH 2, 1938.
MINIMUM NO FLOW SEVERAL MONTHS EACH YEAR.

ACCURACY: GOOD.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT IN COOPERATION WITH THE UNITED STATES GEOLOGICAL SURVEY, WATER RESOURCES BRANCH.

DISCHARGE MEASUREMENTS OF LITTLE DALTON CREEK

AT OR NEAR above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 58

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
717	10/11	1722 / 1725	MIDDLETON-SARASUA	1.5	0.33	1.00	0.27	0.33		.5	4	0	FC54
718	12/15	1735 / 1740	SARASUA-MC BRIDE	3.60	0.46	0.89	0.29	0.41		.5	5	+	"
719	12/17	1350 / 1400	STUNDEN	5.0	1.79	1.73	0.47	3.1		.5	11	0	FC36
720	12/19	0835 / 0845	SARASUA	4.5	0.61	1.10	0.34	0.67		.5	10	0	FC49
721	12/26	0730 / 0745	"	2.2	0.26	0.62	0.28	0.16		.5	8	-.01	"
722	1/2	0852 / 0858	"	1.4	0.12	0.50	0.26	0.06		.5	6	0	"
723	1/9	0855 / 0900	"	1.4	0.14	0.50	0.26	0.07		.5	5	0	"
724	1/16	0822 / 0830	"	0.6	0.06	0.67	0.28	0.04		.5	4	0	"
725	1/23	0801 / 0805	"	0.7	0.06	0.50	0.22	0.03		.5	5	0	"
726	1/25	0945 / 0952	SARASUA-PITTS	5.8	0.89	1.19	0.36	1.1		.5	7	.03	FC43
727	1/27	1146 / 1202	SARASUA	4.2	0.92	1.51	0.41	1.4		.6	11	0	FC49
728	1/30	0859 / 0910	"	3.8	0.65	1.26	0.34	0.82		.5	9	0	"
729	2/2	2250 / 2300	SARASUA-PITTS	3.4	0.48	1.36	0.33	0.65		.5	8	0	"
730	2/4	0024 / 0032	" "	6.0	1.47	1.79	0.48	2.6		.5	8	0	FC43
731	2/6	0758 / 0810	SARASUA	5.0	1.82	2.09	0.55	3.8		.6	10	0	"
732	2/13	0853 / 0904	"	5.0	1.58	0.83	0.37	1.3		.5	11	0	"
733	2/19	0357 / 0411	"	5.0	1.43	1.05	0.39	1.5		.5	10	0	"
734	2/25	0430 / 0450	SARASUA-PITTS	5.8	2.22	2.11	0.50	4.7		.6	9	+.04	"
735	2/27	1207 / 1217	SARASUA	4.5	1.26	1.35	0.41	1.7		.6	10	0	"
736	3/6	1000 / 1005	"	4.0	1.23	1.38	0.41	1.7		.6	9	0	"
737	3/6	2020 / 2025	SARASUA-PITTS	3.8	1.59	1.75	0.47	2.8		.5	6	0	"
738	3/13	0822 / 0835	SARASUA	4.4	1.16	1.55	0.40	1.8		.6	10	0	"
739	3/15	1323 / 1330	SARASUA-PITTS	4.0	1.46	1.58	0.50	2.3		.6	7	0	"
740	3/20	0805 / 0815	SARASUA	6.5	2.87	1.60	0.57	4.6		.6	11	0	FC43
741	3/20	1812 / 1820	SARASUA-PITTS	6.5	3.20	1.69	0.60	5.4		.6	10	+.02	"
742	3/22	0112 / 0125	" "	7.0	4.33	2.67	1.76	11.5		.6	15	+.02	"
743	3/27	0755 / 0805	SARASUA	6.1	2.78	1.48	0.54	4.13		.6	11	0	"
744	3/27	1156 / 1207	"	7.1	3.47	2.05	0.66	7.1		.6	12	+.01	"
745	4/1	0225 / 0240	SARASUA-PITTS	7.5	3.63	1.79	0.59	6.5		.6	13	-.02	"
746	4/3	0332 / 0340	" "	9.0	6.83	3.22	0.97	21.9		.6	10	+.05	"
747	4/10	0933 / 0946	FALCONE	8.5	5.28	2.64	0.80	13.9		.6	10	0	FC55
748	4/17	0756 / 0808	SARASUA-FALCONE	6.2	4.14	1.81	0.64	7.5		.6	11	-.03	FC54
749	4/24	0905 / 0923	FALCONE	10.7	9.55	0.43	0.52	4.1		.6	12	0	FC55
750	5/1	0850 / 0856	"	3.7	1.92	1.35	0.48	2.6		.6	9	0	"
751	5/8	0820 / 0835	"	4.2	1.57	2.36	0.42	3.7		.5	10	+.03	"
752	5/14	0835 / 0840	"	3.9	1.09	1.56	0.39	1.7		.5	9	0	"
753	5/22	0825 / 0833	SARASUA	6.0	2.63	0.61	0.36	1.6		.6	11	0	FC54
754	5/29	0807 / 0812	SARASUA-MC BRIDE	3.8	0.98	1.00	0.33	0.98		.6	10	0	FC49
755	6/5	0818 / 0825	" "	3.4	0.74	1.27	0.32	0.94		.6	10	0	"
756	6/12	0826 / 0835	SARASUA-BURKE	4.0	0.78	0.97	0.31	0.76		.6	10	0	"
757	6/19	0812 / 0820	SARASUA	2.6	0.56	1.16	0.29	0.65		.6	8	0	"
758	6/26	0847 / 0857	"	3.2	0.54	0.76	0.27	0.41		.6	9	0	"
759	7/3	0809 / 0817	MC BRIDE - SARASUA	3.0	0.49	0.64	0.26	0.31		.6	7	0	"
760	7/10	0833 / 0838	SARASUA	1.5	0.15	1.00	0.20	0.15		.6	6	0	"
761	7/17	0820 / 0829	MC BRIDE	2.5	0.20	0.55	0.17	0.11		.5	7	0	"
762	7/24	0818 / 0826	"	1.7	0.18	0.83	0.08	0.15		.5	7	0	"
763	7/31	0821 / 0826	"	0.9	0.07	0.43	0.10	0.03		.5	4	0	"
764	8/7	0825 / 0829	SARASUA	0.7	0.03	0.67	0.07	0.02		.5	5	0	"
765	8/21	0809 / 0812	"	0.5	0.02	1.00	0.05	0.02		.5	4	0	"

DISCHARGE MEASUREMENTS OF LITTLE DALTON CREEK

at above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 59

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
766	1/6	0317 / 0320	SARASUA-MC BRIDE	1.4	0.19	1.52	0.21	0.29		.5	6	+.01	FC49
767	1/6	1105 / 1111	" "	4.0	1.58	0.76	0.33	1.2		.5	10	0	"
768	1/6	1525 / 1535	MC BRIDE - SARASUA	4.0	0.92	0.76	0.28	0.71		.5	11	0	"
769	1/8	0808 / 0812	SARASUA	1.0	0.12	1.50	0.18	0.18		.5	5	0	"
770	1/15	0840 / 0843	"	0.50	0.04	1.00	0.10	0.04		.5	3	0	"
771	1/22	1118 / 1122	"	0.50	0.03	0.66	0.07	0.02		.5	4	0	"
772	1/29	0912 / 0913	"	0.40	0.02	0.50	0.07	0.01		.5	3	0	"
773	2/8	0923 / 0927	SARASUA-MC BRIDE	1.8	0.33	0.94	0.19	0.31		.5	7	0	"
774	2/8	1343 / 1348	" "	1.4	0.24	0.96	0.20	0.23		.5	7	0	"
775	2/9	1027 / 1032	SARASUA	1.5	0.19	0.58	0.17	0.11		.5	7	0	"
776	2/11	0245 / 0255	SARASUA-MC BRIDE	4.0	0.94	1.17	0.32	1.1		.6	14	+.01	"
777	2/11	1651 / 1659	" "	4.6	1.17	1.45	0.38	1.7		.6	13	0	"
778	2/12	0947 / 0957	" "	4.4	0.95	1.47	0.33	1.4	.5	.6	12	0	"
779	2/16	0344 / 0351	" "	4.6	0.89	1.24	0.30	1.1		.6	11	+.02	"
780	2/16	1840 / 1850	" "	7.2	3.29	4.28	0.72	14.1		.6	14	0	FC54
781	2/17	1006 / 1017	" "	5.6	1.60	1.88	0.44	3.0		.6	16	0	FC49
782	2/18	0820 / 0834	SARASUA	5.2	1.19	1.09	0.35	1.3		.5	11	0	FC54
783	2/19	0910 / 0928	"	5.1	1.05	1.33	0.35	1.4		.5	16	0	FC49
784	2/21	1121 / 1128	SARASUA-MC BRIDE	4.6	1.18	1.52	0.37	1.8		.6	12	0	"
785	2/21	1746 / 1750	" "	5.0	1.03	1.26	0.35	1.3		.6	12	0	"
786	2/24	0812 / 0828	SARASUA	4.5	0.73	1.01	0.30	0.74		.6	13	0	"
787	2/26	0845 / 0859	"	4.3	0.67	0.88	0.27	0.59		.6	13	0	"
788	3/5	1540 / 1548	"	2.3	0.32	0.94	0.22	0.30		.5	8	0	"
789	3/12	0800 / 0808	"	2.0	0.25	0.68	0.20	0.17		.6	6	0	"
790	3/26	0840 / 0844	"	0.90	0.11	1.09	0.15	0.13		.6	6	0	"
791	4/2	0822 / 0827	"	0.80	0.08	0.38	0.10	0.03		.5	5	0	"
792	4/9	0851 / 0854	"	0.60	0.08	0.75	0.10	0.06		.6	4	0	"
793	4/16	0823 / 0825	"	0.50	0.03	0.67	0.05	0.02		.6	4	0	"
794	4/26	0004 / 0009	SARASUA-MC BRIDE	4.0	1.64	1.22	0.36	2.0		.6	9	+.02	FC54
795	4/30	0915 / 0920	SARASUA	0.50	0.04	1.00	0.09	0.04		.6	4	0	FC49
796	5/14	1107 / 1108	"	0.30	0.02	0.50	0.00	0.01		.6	3	0	"

T6DT4M Gib 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F65B-R

Daily discharge, in second-feet of LITTLE DALTON CREEK above Mouth of Canyon, for the year ending September 30, 19 58

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0.1	0.4	1.7	3.2	2.7	e 0.7	0.3	0.1	0
2	0	0	0	+	0.3	1.4	2.4	2.4	0.7	0.3	0.1	0
3	0	0.1	0		1.8	1.6	7.6	e 1.9	0.7	0.3	0.1	0
4	0	0	0		2.2	1.1	5.8	e 1.4	0.7	0.3	+	0
5	0	0	0.3		8.8	1.0	2.9	0.8	0.7	0.3		0
6	0	0	0		4.1	2.5	1.4	0.9	0.4	0.3		0
7	0	0	0		2.7	2.2	2.9	0.8	0.5	0.3		0
8	0	0	0		2.0	1.4	1.4	0.9	0.7	0.3		0
9	0	0	0		1.6	1.1	b 1.4	1.1	0.8	+		0
10	0	0	0		1.6	1.1	1.3	e 1.2	0.8		+	0
11	+	0	0		1.7	1.4	1.2	1.3	0.7		0	0
12	0	0	0		1.3	1.7	1.2	1.4	0.7		0	0
13	0	0	0		1.1	1.7	1.1	1.1	0.5		0	0
14	0	0	0		1.1	1.6	9.6	1.1	0.4		0	0
15	0	0	0.4		1.1	2.5	1.0	1.1	0.4		0	0
16	0	0	2.9		0.9	1.6	7.1	1.1	0.4		+	0
17	0	0	1.9		0.7	8.2	6.4	e 1.1	0.5			0
18	0	0	0.9		0.7	6.2	6.7	e 1.0	0.9			0
19	0	0	0.7		4.6	5.0	e 5.5	1.0	0.8			0
20	0	0	0.4	+	2.2	4.6	e 4.4	1.3	2.7			0
21	0	0	0.4	0.1	1.3	4.9	3.2	1.1	0.4			0
22	0	0	0.3	0.1	1.3	6.8	3.7	1.3	0.4			0
23	0	0	0.3	0.1	1.1	6.7	3.7	1.3	0.3			0
24	0	0	0.2	0.1	1.1	5.8	4.2	e 1.2	0.3			0
25	0	0	0.2	0.4	5.2	5.4	4.6	e 1.0	0.3		+	0
26	0	0	0.1	8.4	2.2	4.6	4.6	0.9	0.3		0	0
27	0	0	0.2	1.6	1.6	6.2	2.9	1.1	0.3		0	0
28	0	0	0.3	0.7	1.7	6.2	2.9	0.8	0.2		0	0
29	0	0	0.3	0.8		5.4	2.7	0.8	0.2		0	0
30	0	0	0.3	0.8		5.0	2.7	0.7	0.2		0	0
31	0		0.2	0.7		5.0		e 0.7		+	0	
		0.1		13.9		126.0		36.5		2.4		0
	+		10.3		76.2		422.9		17.6		0.3	
MEAN	+	+	0.33	0.45	2.71	4.07	14.1	1.18	0.59	0.08	0.01	0
ACRE-FEET	+	0.2	20.	28.	150.	250.	841.	72.	35.	4.8	0.6	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 1.93
ACRE-FEET 1400.

76D74M Cdb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

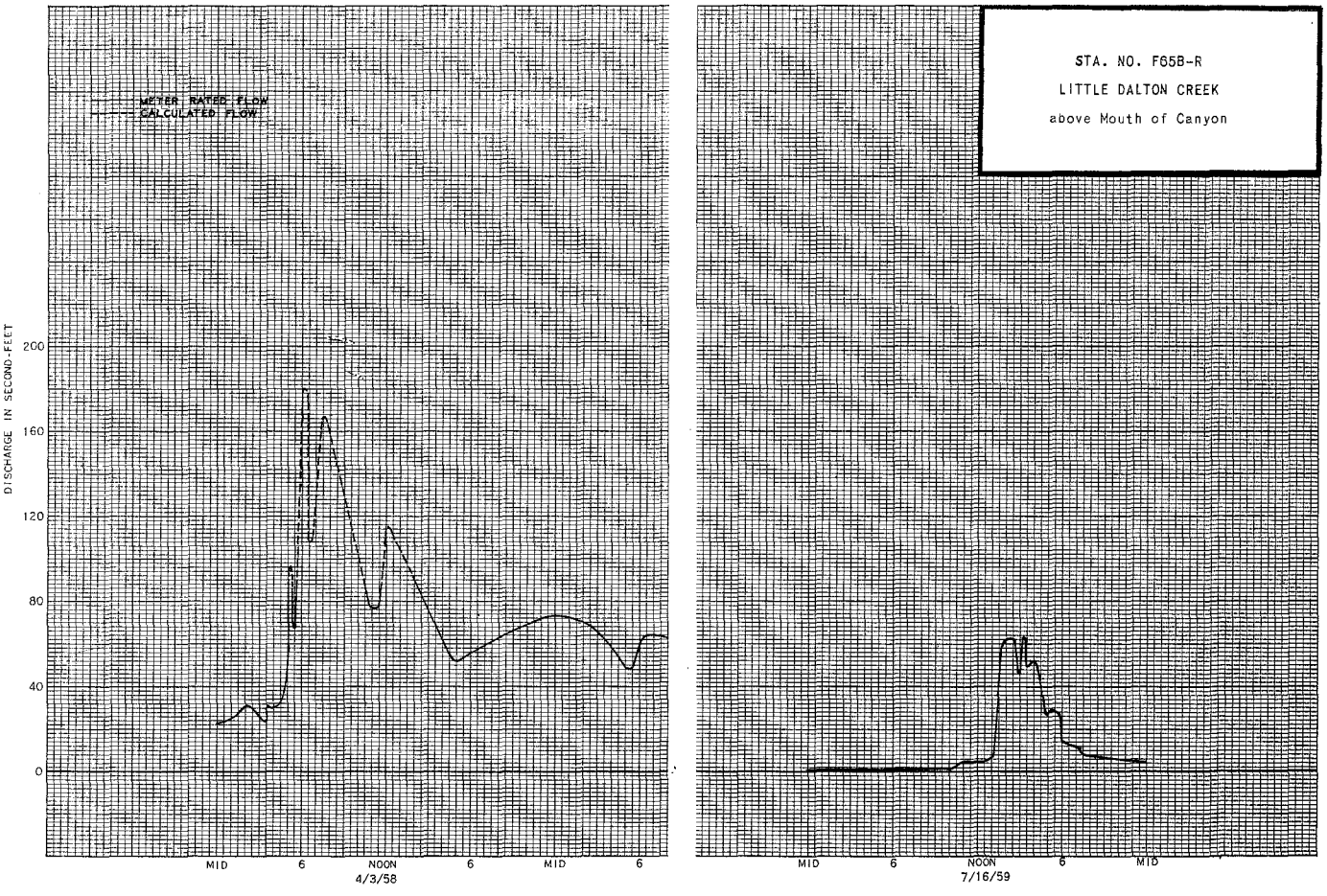
Sta. No. F65B-R

Daily discharge, in second-feet of LITTLE DALTON CREEK above Mouth of Canyon, for the year ending September 30, 1959

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	+	0.5	+	+	0	0	0	0
2	0	0	0	0		0.5			0	0	0	0
3	0	0	0	0		0.4			0	0	0	0
4	0	0	0	0		0.4			0	0	0	0
5	0	0	0	0		0.4		+	0	0	0	0
6	0	0	0	1.9		0.4		0	0	0	0	0
7	0	0	0	0.3	+	0.4		0	0	0	0	0
8	0	0	0	0.1	0.2	0.3		0	0	0	0	0
9	0	0	0	+	0.1	0.3		0	0	0	0	0
10	0	0	0		+	0.3		0	0	0	0	0
11	0	0	0		6.0	0.2		0	0	0	0	0
12	0	0	0		1.3	0.2		0	0	0	0	0
13	0	0	0		0.6	0.2		0	0	0	0	0
14	0	0	0		0.4	0.3		+	0	0	0	0
15	0	0	0		0.3	0.1		0	0	0	0	0
16	0	0	0		11	0.1		0	0	0	0	0
17	0	0	0		2.7	0.1		0	0	0	0	0
18	0	0	0		1.7	0.1		0	0	0	0	0
19	0	0	0		1.2	0.1		0	0	0	0	0
20	0	0	0		0.9	+		0	0	0	0	0
21	0	0	0		1.3	+		0	0	0	0	0
22	0	0	0		a 1.1	+		0	0	0	0	0
23	0	0	0		a 0.9	0.1		0	0	0	0	0
24	0	0	0		a 0.7	+	+	0	0	0	0	0
25	0	0	0		0.6	+	0.2	0	0	0	0	0
26	0	0	0		0.5	0.1	b 0.3	0	0	0	0	0
27	0	0	0		0.5	+	+	0	0	0	0	0
28	0	0	0		0.5		+	0	0	0	0	0
29	0	0	0				+	0	0	0	0	0
30	0	0	0				+	0	0	0	0	0
31	0		0	+		+		0		0	0	
	0		0		32.5		0.5		0		0	
		0		2.3		5.5		+		0		0
MEAN	0	0	0	0.07	1.16	0.18	0.02	+	0	0	0	0
ACRE-FEET	0	0	0	4.6	64.	11.	1.0	+	0	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.11
ACRE-FEET 80.6



STATION LI-R
LITTLE ROCK CREEK above Little Rock Dam

LOCATION: WATER-STAGE RECORDER, LAT. 34°27'50", LONG. 118°01'05", ON THE RIGHT (EAST) BANK ABOUT TWO MILES ABOVE LITTLE ROCK PALMDALE IRRIGATION DISTRICT'S DAM, APPROXIMATELY 1500 FEET UPSTREAM FROM SANTIAGO CREEK AND FIVE MILES SOUTH OF LITTLE ROCK. ELEVATION OF GAGE ABOUT 3290 FEET.

DRAINAGE AREA: 49.2 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - SAND GRAVEL AND BOULDERS.
CONTROL - NO ARTIFICIAL CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING NEAR GAGE; HIGH FLOWS MEASURED FROM CABLE CAR BELOW GAGE.

RECORDER: A STEVENS A-35 WAS IN SERVICE FROM OCTOBER 1 1957 TO SEPTEMBER 30, 1959.

REGULATION: NONE.

RECORDS AVAILABLE: OCTOBER 1, 1930 TO SEPTEMBER 30, 1959.

EXTREMES OF DISCHARGE:
1957-58
MAXIMUM 1070 SECOND-FEET DECEMBER 15.
MINIMUM NO FLOW OCTOBER 1, TO NOVEMBER 2.
1958-59
MAXIMUM 598 SECOND-FEET FEBRUARY 16.
MINIMUM NO FLOW SEVERAL MONTHS.
1930-59
MAXIMUM 17000 SECOND-FEET, ESTIMATED MARCH 2, 1938.
MINIMUM NO FLOW AT TIMES EACH YEAR.

ACCURACY: GOOD.

OPERATION: ORIGINALLY LOCATED AND INSTALLED BY LITTLE ROCK PALMDALE IRRIGATION DISTRICT. REINSTALLED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT AND OPERATED IN COOPERATION WITH THE U.S.G.S. WATER RESOURCES BRANCH.

DISCHARGE MEASUREMENTS OF LITTLE ROCK CREEK

~~NEAR~~ above Little Rock Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 58

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
480	11/6	0855 / 1015	BOWMAN	7.8	3.32	0.48	3.34	1.6		.5	12	0	FC59
481	11/13	0840 / 0951	WHISLER	8.6	2.99	0.67	3.35	2.0		.5 / .6	10	0	"
482	11/20	1003 / 1010	WHISLER-ROY	8.5	3.07	0.64	3.34	2.0		.5 / .6	10	0	"
483	11/27	1000 / 1008	ROY	8.6	2.95	0.54	3.32	1.6		.5 / .6	10	0	"
484	12/4	0915 / 0925	WHISLER	8.5	2.57	0.70	3.32	1.8		.5 / .6	11	0	"
485	12/5	1435 / 1445	WHISLER-LUGO	18.0	10.5	0.77	3.69	8.1		.5 / .6	13	0	"
486	12/11	0955 / 1005	WHISLER	9.2	4.33	0.83	3.46	3.6		.6	11	0	"
487	12/15	1645 / 1655	FALCONE-HAUGHENBERRY	25.0	34.3	3.26	5.08	112.		.6	10	+.10	FC26
488	12/15	1815 / 1840	"	65.0	139.	5.58	6.47	776.		.6	12	+.34	"
489	12/15	2215 / 2227	"	70.0	134.	6.22	7.00	834.		.6	9	0	"
490	12/16	0930 / 0947	"	70.0	92.0	4.17	5.92	384.		.6	15	-.03	"
491	12/16	1345 / 1405	"	63.0	78.0	4.00	5.67	312.		.6	14	-.02	"
492	12/17	0910 / 0930	"	55.0	68.6	3.03	5.67	208.		.6	13	-.03	"
493	12/18	0837 / 0948	WHISLER	39.5	44.9	2.08	5.01	93.3		.6	11	0	FC5
494	12/26	1120 / 1132	"	34.5	18.3	0.72	4.33	13.2		.5 / .6	13	0	FC59
495	12/31	0930 / 0943	"	18.0	19.3	0.46	4.19	9.0		.6	12	0	"
496	1/8	1035 / 1046	"	13.0	7.79	0.78	4.13	6.1		.6	10	0	"
497	1/15	0927 / 0935	WHISLER-MOSES	8.7	3.89	1.59	4.10	6.1		.5 / .6	10	0	"
498	1/22	0857 / 0906	WHISLER	8.8	4.00	1.22	4.08	4.9		.5 / .6	10	0	"
499	1/26	0245 / 0255	ROY-HAUGHENBERRY	16.5	16.1	0.55	4.16	8.9		.6	10	0	FC51
500	1/26	0445 / 0500	" "	18.8	18.7	0.48	4.20	8.8		.6	10	0	"
501	1/26	0645 / 0657	" "	15.0	16.4	0.89	4.27	14.7		.6	8	0	"
502	1/26	0847 / 0857	" "	26.0	34.3	1.31	4.71	45.0		.6	15	.02	"
503	1/26	1245 / 1259	ROY-HAUGHENBERRY	38.5	37.7	1.44	4.83	54.5		.6	21	-.15	FC51
504	1/29	0906 / 0918	WHISLER	16.8	11.6	1.12	4.32	13.0		.5 / .6	13	0	FC59
505	2/3	0534 / 0546	MC BRIDE-ROY	16.5	12.2	1.30	4.34	15.9		.6	11	+.04	FC51
506	2/3	0845 / 0903	" "	37.0	38.7	2.40	5.04	93.1		.6	21	+.16	"
507	2/3	1050 / 1108	" "	49.0	61.0	2.84	5.42	173.		.6	20	+.03	"
508	2/3	1115 / 1133	" "	49.0	61.9	2.97	5.44	184.		.6	20	0	"
509	2/3	1354 / 1410	" "	48.0	61.0	2.88	5.36	176.		.6	19	-.05	"
510	2/3	1712 / 1732	" "	47.5	59.1	2.89	5.25	171.		.6	19	+.02	"
511	2/4	0100 / 0115	" "	50.0	60.5	3.59	5.35	217.		.6	20	+.06	"
512	2/4	0230 / 0240	" "	53.0	73.9	4.56	5.68	337.		.6	14	0	"
513	2/4	0654 / 0704	" "	63.0	83.7	4.30	5.90	360.		.6	16	0	"
514	2/4	0704 / 0716	" "	63.0	89.6	4.64	5.91	400.		.6	16	-.02	"
515	2/4	0956 / 1021	" "	70.0	130.	6.43	6.54	836.		.6	11	0	"
516	2/4	1046 / 1105	" "	68.0	115.	5.99	6.68	689.		.6	15	+.08	"
517	2/4	1106 / 1121	" "	68.0	129.	6.05	6.76	781.		.6	10	+.07	"
518	2/4	1442 / 1456	" "	68.0	131.	5.88	6.75	770.		.6	16	-.08	"
519	2/4	1458 / 1507	" "	68.0	132.	4.92	6.64	649.		.6	11	-.03	"
520	2/4	1925 / 1937	" "	64.0	100.	5.38	6.13	538.		.6	16	-.04	"
521	2/5	0054 / 0106	" "	62.0	81.5	4.45	5.72	363.		.6	16	-.02	"
522	2/5	0717 / 0733	" "	51.0	67.1	3.58	5.48	240.		.6	19	-.01	"
523	2/7	1215 / 1234	WHISLER-BOWMAN	39.0	37.1	2.39	4.89	88.4		.6	16	0	"
524	2/11	0932 / 0954	WHISLER	38.5	22.2	2.54	4.68	56.6		.6	22	0	"
525	2/19	1342 / 1352	MC BRIDE-MOSES	59.0	81.5	4.95	5.88	404.		.6	16	+.12	FC33

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
526	2/19	1412 / 1425	MC BRIDE - MOSES	62.5	94.4	4.98	6.15	470.		.6	18	+.12	FC33
527	2/19	1543 / 1607	" "	67.0	116.	5.77	6.47	669.		.6	16	+.03 -.03	"
528	2/19	1608 / 1625	" "	67.0	112.	5.88	6.44	659.		.6	10	-.03	FC33
529	2/19	2203 / 2222	" "	61.5	79.6	3.54	5.58	282.		.6	20	-.07	"
530	2/21	1425 / 1441	WHISLER	39.0	39.7	2.91	4.99	116.		.6	17	0	FC41
531	2/25	0655 / 0707	MC BRIDE - MOSES	39.5	38.0	2.48	4.92	94.2		.6	14	0	FC33
532	2/25	0820 / 0838	" "	39.5	39.6	2.70	4.93	107.		.6	15	+.01	"
533	2/25	1057 / 1108	MOSES-MC BRIDE	39.5	38.3	2.77	4.94	106.		.6	11	0	"
534	2/26	1352 / 1410	WHISLER	26.5	31.3	2.75	4.82	85.7		.6	16	0	FC41
535	3/5	0905 / 0920	"	20.2	23.0	1.47	4.52	33.8		.6	14	0	FC59
536	3/12	0914 / 0928	"	20.0	23.8	1.66	4.54	39.6		.6	13	0	FC41
537	3/15	1715 / 1730	MC BRIDE - CUADRAZ	32.0	30.8	2.39	4.77	73.7		.6	13	+.02	FC33
538	3/15	1933 / 1947	" "	44.5	40.0	2.75	4.96	110.		.6	16	+.02	"
539	3/15	2219 / 2232	" "	45.5	48.9	2.92	5.05	143.		.6	15	+.02	"
540	3/16	0653 / 0715	" "	65.5	121.3	5.77	6.60	698.		.6	16	-.03	"
541	3/16	1239 / 1254	" "	61.5	90.6	4.54	5.92	411.		.6	18	-.03	"
542	3/19	0920 / 0943	WHISLER	39.0	44.8	3.21	5.03	144.		.6	22	0	FC41
543	3/20	1913 / 1925	MC BRIDE - HAUGENBERRY	39.5	40.9	3.00	5.03	123.		.6	15	0	FC33
544	3/20	2354 / 0011	"	45.0	47.0	3.42	5.16	161.		.5 .6	16	+.02	"
545	3/21	0230 / 0248	"	59.0	56.2	3.38	5.21	190.		.6	20	0	"
546	3/21	0950 / 1010	"	47.0	50.8	3.07	5.15	156.		.5 .6	21	.01	"
547	3/27	1351 / 1409	MC BRIDE	39.5	38.1	2.49	4.94	95.3		.6	17	0	"
548	3/27	1713 / 1728	MC BRIDE - HAUGHENBERRY	39.2	37.1	2.53	4.89	93.5		.6	18	0	"
549	3/28	0648 / 0720	"	37.5	33.0	2.42	4.83	80.5		.5 .6	22	0	"
550	4/1	0735 / 0750	"	44.5	42.0	2.55	5.00	107.		.6	18	+.02	"
551	4/1	1004 / 1020	"	42.0	48.9	3.37	5.21	165.		.6	16	+.02	"
552	4/1	1214 / 1226	"	44.5	60.4	3.87	5.44	234.		.6	17	+.01	FC33
553	4/1	1415 / 1431	"	61.0	88.8	4.15	5.87	369.		.6	20	+.09	"
554	4/1	1602 / 1627	"	61.5	98.4	5.17	6.23	509.		.6	16	-.03	"
555	4/1	2304 / 2319	"	61.0	75.5	3.41	5.55	257.		.6	19	-.01	"
556	4/2	0826 / 0845	"	60.5	63.0	3.27	5.35	206.		.6	21	0	"
557	4/2	1444 / 1507	MC BRIDE HAUGHENBERRY	54.5	58.7	3.01	5.28	177.		.6	20	0	FC33
558	4/3	0629 / 0653	"	60.5	73.8	3.51	5.54	259.		.6	20	+.02	"
559	4/3	0800 / 0812	"	62.5	95.1	4.31	6.02	411.		.6	18	+.08	"
560	4/3	0933 / 0957	"	68.0	118.	5.30	6.55	626.		.6	18	+.08	"
561	4/3	1016 / 1037	"	68.0	123.	4.75	6.66	584.		.6	17	-.02	"
562	4/3	1707 / 1724	"	62.0	97.1	4.20	5.90	408.		.6	21	0	"
563	4/4	1142 / 1215	MC BRIDE	44.0	65.8	3.48	5.47	229.		.6	21	-.01	"
564	4/6	1455 / 1509	MC BRIDE - HAUGHENBERRY	52.0	54.1	2.83	5.22	153.		.6	16	0	"
565	4/9	0907 / 0923	WHISLER	39.0	47.8	3.13	5.11	150.		.6	22	0	FC41
566	4/16	0950 / 1014	"	42.0	53.9	3.32	5.20	179.		.6	24	0	"
567	4/21	0846 / 0908	"	43.0	60.6	3.53	5.35	215.		.6	24	0	"
568	4/23	0848 / 0910	"	42.0	54.8	3.14	5.18	172.		.6	25	0	"
569	4/30	0845 / 0905	"	39.0	42.6	2.34	4.87	99.6		.6	22	0	"
570	5/7	0930 / 0948	"	38.7	39.2	2.10	4.80	82.4		.6	23	0	"
571	5/14	0926 / 0943	"	29.0	35.6	1.44	4.64	51.2		.6	17	0	"
572	5/22	0825 / 0838	"	28.0	30.2	1.26	4.51	38.0		.6	17	0	"
573	5/28	0830 / 0844	"	27.0	27.2	0.96	4.39	26.2		.6	16	0	"
574	6/4	0843 / 0857	"	27.0	22.4	0.89	4.30	20.0		.6	16	0	"
575	6/11	0900 / 0927	"	28.0	21.0	0.74	4.24	15.5		.6	15	0	FC59
576	6/18	0846 / 0911	"	27.0	19.1	0.63	4.18	12.1		.6	15	0	"
577	6/26	1030 / 1045	BOWMAN	16.0	17.6	0.44	4.10	7.7		.5 .6	9	0	FC41
578	7/2	1040 / 1055	"	15.0	18.8	0.42	4.07	7.8		.5 .6	10	0	"
579	7/10	0910 / 0925	"	9.0	12.4	0.40	4.21	4.9		.6	10	0	FC59
580	7/16	0850 / 0858	WHISLER	2 CHANNELS			4.17	4.4		.5 .6	10	0	"
581	7/23	0905 / 0913	"	10.0	3.45	1.30	4.20	4.5		.5 .6	10	0	"
582	7/30	0838 / 0846	"	10.0	2.90	1.07	4.15	3.1		.5	10	0	"
583	8/6	0825 / 0832	"	8.5	2.18	0.92	4.07	2.0		.5	9	0	"
584	8/13	0833 / 0838	"	8.0	1.79	0.95	4.01	1.7		.5	6	0	"
585	8/20	0844 / 0850	"	8.5	2.02	0.89	3.75	1.8		.5	9	0	"
586	8/27	0836 / 0840	"	8.0	1.6	0.81	3.68	1.3		.5	5	0	"
587	9/3	0838 / 0842	"	3.0	0.79	1.04	3.61	0.82		.5	6	0	"
588	9/17	0840 / 0845	"	3.5	0.97	0.99	3.62	0.96		.5	6	0	"

DISCHARGE MEASUREMENTS OF LITTLE ROCK CREEK

above Little Rock Dam DURING THE YEAR ENDING SEPTEMBER 30, 1950

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
589	10/1	0830 / 0836	WHISLER	4.0	1.19	0.92	3.66	1.1		.5	8	0	FC59
590	10/16	0854 / 0900	"	4.5	1.44	0.76	3.57	1.1		.5	7	0	"
591	10/29	0855 / 0903	"	6.0	2.55	0.86	3.70	2.2		.5 .6	7	0	"
592	11/12	1052 / 1107	BOWMAN	22.0	7.92	0.49	3.80	3.9		.5	13	0	"
593	11/25	1015 / 1030	"	CHANNELS			3.80	3.6		.5	9	0	"
594	12/10	0931 / 0937	WHISLER	9.0	4.64	0.93	3.80	4.3		.5 .6	8	0	"
595	12/18	1007 / 1017	BOWMAN	5.0	2.42	1.86	3.80	4.5		.5	8	0	FC60
596	1/2	0914 / 0920	WHISLER	CHANNELS			3.80	4.7		.5 .6	7	0	FC59
597	1/6	1045 / 1103	TWITTY-WHISLER	28.0	27.0	0.94	4.47	25.1		.6	16	0	FC41
598	1/14	0910 / 0922	WHISLER	23.0	18.3	0.36	3.97	6.5		.6	13	0	FC59
599	1/21	0847 / 0900	"	23.0	17.9	0.29	3.93	5.2		.6	14	0	"
600	1/28	0855 / 0905	"	22.0	16.5	0.24	3.87	4.0		.6	13	0	"
601	2/4	0910 / 0916	"	9.2	3.59	1.28	3.85	4.6		.5 .6	9	0	"
602	2/9	0946 / 0952	"	10.4	4.39	1.41	3.92	6.2		.5	9	0	"
603	2/11	1105 / 1117	TWITTY-WHISLER	27.5	27.0	0.94	4.48	25.6		.6	11	0	FC41
604	2/12	1156 / 1210	WHISLER	27.5	23.1	0.64	4.25	14.7		.6	15	0	FC59
605	2/16	1935 / 2000	TWITTY-HAUGHENBERRY	60.0	106.	5.40	6.25	572.		.6	13	-.04	FC28
606	2/16	2030 / 2045	" "	59.0	93.2	5.08	6.18	474.		.6	8	-.06	"
607	2/17	0025 / 0045	TWITTY HAUGHENBERRY	57.0	76.9	4.14	5.70	318.		.6	13	-.04	FC28
608	2/17	0735 / 0750	" "	51.0	53.9	2.91	5.13	157.		.6	14	-.02	"
609	2/18	0855 / 0905	WHISLER	28.0	40.3	1.32	4.61	53.3		.5	15	0	FC41
610	2/25	0905 / 0919	"	28.0	28.7	0.66	4.23	19.0		.6	16	0	FC59
611	3/4	0853 / 0906	"	28.0	34.0	1.03	4.44	35.0		.6	16	0	"
612	3/11	0835 / 0849	"	28.0	29.5	0.71	4.28	21.0		.6	16	0	"
613	3/18	0840 / 0852	"	27.0	26.2	0.54	4.16	14.1		.6	16	0	"
614	3/25	0902 / 0915	WHISLER-RIESTER	27.0	25.6	0.49	4.13	12.6		.6	15	0	"
615	4/1	0902 / 0918	WHISLER	27.0	24.8	0.42	4.09	10.4		.6	15	0	"
616	4/8	0914 / 0928	"	27.0	24.0	0.44	4.08	10.6		.6	16	0	"
617	4/15	0906 / 0919	"	23.0	21.3	0.31	3.97	6.7		.6	13	0	"
618	4/21	1237 / 1247	"	10.5	6.63	0.86	3.32	5.7		.6	10	0	"
619	4/29	0850 / 0905	"	27.0	23.0	0.34	3.99	7.8		.6	15	0	"
620	5/13	0948 / 0958	WHISLER-LINDSAY	9.5	5.03	0.60	3.80	3.0		.5 .6	10	0	"
621	5/27	0857 / 0905	WHISLER	9.0	4.69	0.53	3.76	2.5		.6	9	0	"
622	6/10	0927 / 0932	ROY-WHISLER	3.5	0.60	1.45	3.60	0.87		.5	8	0	"
623	6/24	0834 / 0838	WHISLER	2.8	0.35	0.51	3.40	0.18		.5	6	0	"
624	7/9	0930 / 0940	BOWMAN	0.50	0.02	0.50	3.33	0.01		.5	4	0	"

76D74M Cdb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. LI-R

Daily discharge, in second-feet of LITTLE ROCK CREEK above Little Rock Dam, for the year ending September 30, 1958

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	1.7	8.4	10	52	238	96	21	7.2	3.4	0.9
2	0	0	1.7	7.9	9.8	46	196	96	20	c 7.0	3.0	0.9
3	0	0.2	1.7	7.9	114	42	363	92	20	6.8	2.5	0.6
4	0	1.7	1.7	7.5	521	37	237	90	19	6.8	2.0	0.5
5	0	1.4	5.0	7.0	222	34	177	87	18	6.3	1.4	0.4
6	0	1.4	7.2	6.8	126	36	152	87	17	c 5.8	1.2	0.9
7	0	1.4	6.5	6.3	92	37	154	83	16	5.2	2.0	1.1
8	0	1.6	5.8	6.1	80	39	145	78	16	4.5	2.5	1.0
9	0	1.7	4.9	6.1	75	39	157	73	15	4.3	2.2	1.0
10	0	1.9	4.3	6.3	65	38	170	70	15	3.9	1.4	0.8
11	0	2.0	3.4	6.3	57	41	194	63	15	3.8	1.1	0.6
12	0	2.2	3.2	6.3	51	40	199	58	14	3.4	0.9	0.5
13	0	2.0	3.0	6.3	45	41	194	54	14	3.4	c 0.9	0.5
14	0	2.0	2.8	6.3	40	45	190	52	14	3.4	2.6	0.9
15	0	2.0	231	6.1	36	70	190	50	13	3.6	2.8	1.0
16	0	2.0	373	5.8	34	429	187	47	13	3.6	3.0	0.9
17	0	2.0	190	5.8	34	241	192	46	12	3.8	2.8	0.8
18	0	2.0	90	5.4	32	174	206	44	11	3.9	2.2	0.6
19	0	2.0	58	5.4	234	143	215	43	11	3.8	1.7	0.6
20	0	2.0	42	5.2	175	127	231	40	11	3.8	1.4	0.4
21	0	2.0	31	4.9	123	160	213	39	10	3.8	1.0	0.4
22	0	1.9	26	4.9	108	164	192	37	9.6	3.9	0.9	0.4
23	0	1.7	21	4.7	94	136	170	36	9.1	3.9	0.9	0.4
24	0	1.7	17	4.7	83	116	147	34	8.4	3.8	1.0	1.4
25	0	1.7	15	4.9	94	102	130	31	7.5	3.6	1.0	2.0
26	0	1.6	13	33	78	91	118	29	7.0	3.4	1.1	1.4
27	0	1.6	12	23	64	89	112	27	6.5	3.2	1.1	1.1
28	0	1.6	11	15	59	84	105	26	6.1	2.6	1.1	1.0
29	0	1.6	10	13		83	101	25	c 6.4	2.3	1.2	1.0
30	0	1.7	9.6	11		82	98	23	6.8	2.6	1.2	1.0
31	0		9.1	11		79		22		3.6	1.1	
		48.6		259.3		2937.0		1678.0		131.0		25.0
	0		1211.6		2755.8		5373.0		382.4		52.6	
MEAN	0	1.62	39.1	8.36	98.4	94.7	179.0	54.1	12.7	4.23	1.70	0.83
ACRE-FEET	0	96.	2400.	514.	5470.	5830.	10,660.	3330.	758.	260.	104.	50.

Remarks:

YEAR OR PERIOD MEAN 40.7
ACRE-FEET 29,470.

76D74M Cdb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

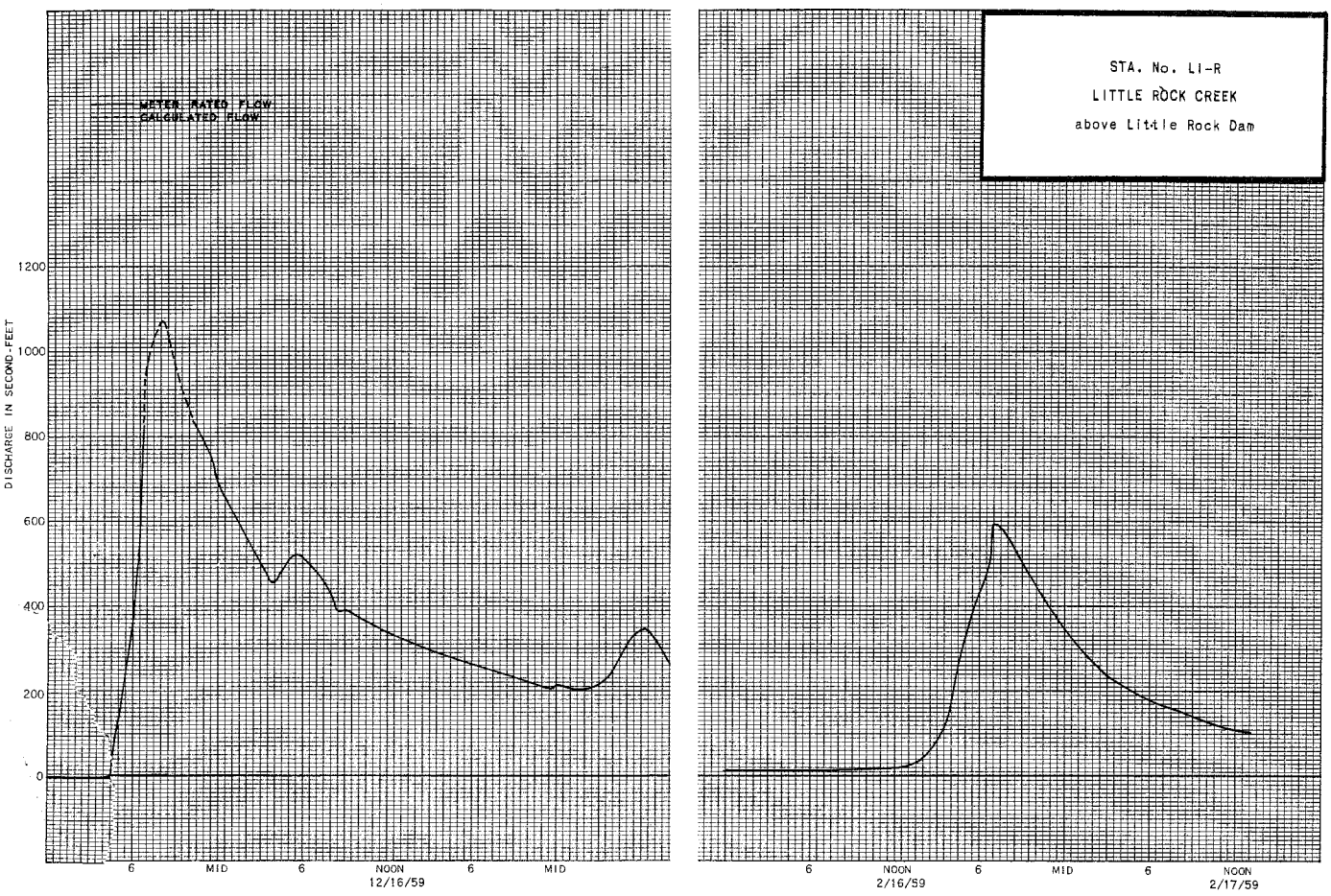
Sta. No. LI-R

Daily discharge, in second-feet of LITTLE ROCK CREEK above Little Rock Dam, for the year ending September 30, 1959

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.9	1.9	4.1	4.7	4.5	29	11	6.3	1.6	0.1	0	0
2	0.8	2.0	4.1	4.7	4.5	30	11	6.1	1.6	0.1	0	0
3	0.6	2.0	4.1	4.7	4.5	32	11	6.1	1.2	0.1	0	0
4	0.6	2.0	4.1	4.7	4.5	31	11	5.6	1.1	0.1	0	0
5	0.5	1.9	4.3	4.7	4.3	29	11	5.4	1.1	0.1	0	0
6	0.6	1.9	4.3	18	4.1	26	11	4.9	1.0	0.1	0	0
7	0.8	1.9	4.3	11	4.1	25	11	4.7	1.0	0.1	0	0
8	1.0	1.9	4.3	7.5	5.6	24	11	4.3	0.9	+	0	0
9	1.0	1.9	4.3	6.3	6.1	22	10	4.1	0.8		0	0
10	1.0	1.9	4.3	6.1	5.2	21	9.3	3.6	0.6		0	0
11	0.9	3.0	4.3	6.8	18	20	8.6	3.2	0.5		0	0
12	0.9	3.6	4.3	7.0	15	19	7.9	2.8	0.5	+	0	0
13	0.9	3.8	4.3	6.8	11	18	7.2	2.6	0.5	0	0	0
14	c 0.9	3.6	4.3	6.5	9.8	17	6.8	2.6	0.4	0	0	0
15	0.9	3.4	4.3	6.3	9.6	17	6.5	2.6	0.4	0	0	0
16	0.9	3.6	4.5	5.8	163	15	6.5	2.5	0.4	0	0	0
17	0.8	3.6	4.5	5.6	142	14	6.3	2.2	0.4	0	0	0
18	0.8	3.6	4.5	5.6	52	14	6.3	2.2	0.4	0	0	0
19	0.8	3.6	4.5	5.6	37	14	6.1	2.2	0.4	0	0	0
20	0.9	3.6	4.5	5.4	32	14	5.8	2.2	0.4	0	0	0
21	0.9	3.6	4.5	5.2	29	13	5.6	2.2	0.4	0	0	0
22	1.1	3.6	4.5	4.9	25	13	5.2	2.3	0.4	0	0	0
23	1.7	3.6	4.7	4.7	22	13	4.9	2.6	0.2	0	0	0
24	2.5	3.6	4.7	4.3	20	13	4.7	2.6	0.2	0	0	0
25	3.0	3.6	4.7	4.1	19	13	5.2	2.6	0.2	0	0	0
26	2.8	3.6	4.7	4.1	20	12	11	2.6	0.2	0	0	0
27	2.3	3.8	4.7	4.1	22	11	9.8	2.3	0.1	0	0	0
28	2.2	3.8	4.9	3.9	25	11	8.2	2.0	0.1	0	0	0
29	1.9	3.9	4.9	3.9		11	7.7	2.0	0.1	0	0	0
30	1.7	4.1	4.7	4.1		10	6.5	1.9	0.1	0	0	0
31	1.7		4.7	4.3		10		1.9		0	0	
	38.3		137.9		718.8		244.1		17.2		0	
		92.1		181.4		561.0		101.4		0.7		0
MEAN	1.24	3.07	4.45	5.85	25.7	18.1	8.14	3.27	0.57	0.02	0	0
ACRE-FEET	76.	183.	274.	360.	1430.	1110.	484.	201.	34.	1.4	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 5.73
ACRE-FEET 4150.



STATION LI3-R

LITTLE SANTA ANITA CREEK above Sierra Madre Dam

LOCATION: WATER-STAGE RECORDER AND CONTROL, LAT. 34°11'13", LONG. 118°02'35", IN SE 1/4, SW 1/4, NW 1/4 SEC. 9, T.1N., R.11W., 1.3 MILES UPSTREAM FROM SIERRA MADRE DAM. ALTITUDE OF GAGE ABOUT 2200 FEET (FROM TOPOGRAPHIC MAP).

DRAINAGE AREA: 1.9 SQUARE MILES.

RECORDS AVAILABLE: APRIL 1916 TO SEPTEMBER 30, 1959.

AVERAGE DISCHARGE: 42 YEARS (1916-1925, 1926-1959, 0.88 SECOND-FOOT).

EXTREMES:

1957-58
- MAXIMUM DISCHARGE 52 SECOND-FEET FEBRUARY 19, (GAGE HEIGHT 1.94 FEET.)
- MINIMUM DAILY DISCHARGE NO FLOW ON MANY DAYS

1958-59
- MAXIMUM DISCHARGE 67 SECOND-FEET JANUARY 6, (GAGE HEIGHT 2.10 FEET.)
- MINIMUM DISCHARGE 0.1 SECOND-FOOT ON MANY DAYS.

1916-59
- MAXIMUM DISCHARGE 536 SECOND-FEET MARCH 2, 1938 COMPUTED ON BASIS OF INFLOW TO SIERRA MADRE FLOOD CONTROL RESERVOIR.
- MINIMUM NO FLOW DURING PERIODS IN SOME YEARS.

REMARKS: RECORDS GOOD. NO DIVERSIONS ABOVE STATION.

COOPERATION: RECORDS FURNISHED BY UNITED STATES GEOLOGICAL SURVEY, WATER RESOURCES BRANCH.

DISCHARGE MEASUREMENTS OF LITTLE SANTA ANITA CREEK

AT OR NEAR above Sierra Madre Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 58

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1181	10/3		U.S.G.S.				0.43	0.07	FLUME			0	
1182	10/14		"	1.0	0.24	1.21	0.55	0.29		.5	6	0	
1183	10/28		"	1.1	0.36	0.42	0.46	0.15		.5/.6	7	0	
1184	11/13		"	0.90	0.25	0.80	0.46	0.20		.5/.6	7	0	
1185	11/15		"	1.4	0.29	0.59	0.48	0.17		.5	7	0	
1186	11/23		"	1.3	0.16	0.81	0.46	0.11		.5	6	0	
1187	12/7		"	1.5	0.21	1.52	0.53	0.32		.5	8	0	
1188	12/21		"	2.3	0.43	1.86	0.62	0.80		.5	8	0	
1189	1/5		"	1.1	0.28	1.21	0.57	0.34		.5	6	0	
1190	1/19		"	1.1	0.22	1.36	0.58	0.30		.5	6	0	
1191	1/28		"	1.4	0.42	2.05	0.71	0.86		.5/.6	8	0	
1192	2/3		"		CHANNELS		1.41	21.5		.6	8	0	
1193	2/5		"	6.5	3.03	2.94	1.21	7.97		.6	12	0	
1194	2/15		"	5.5	1.43	1.42	0.74	2.15		.6	20	0	
1195	2/21		"	5.7	3.16	1.30	0.93	4.09		.5/.6	18	0	
1196	3/1		"	6.4	2.08	1.37	0.83	2.85		.6	22	0	
1197	3/15		"	6.4	1.71	1.54	0.80	2.64		.5/.6	18	+.05	
1198	3/25		"	6.5	2.65	2.22	1.02	5.89		.5/.6	19	0	
1199	3/29		"	8.0	3.93	1.30	1.06	5.10		.6	23	0	
1200	4/3		"	15.8	7.36	2.88	1.65	21.2		.5/.6	18	-.01	
1201	4/16		"	3.2	2.12	2.50	1.13	5.32		.6	8	0	
1202	5/1		"	4.7	2.78	1.54	0.95	4.28		.5/.6	12	0	
1203	5/15		"	3.2	2.97	0.81	0.84	2.42		.5/.6	7	0	
1204	5/15		"	3.2	2.87	0.97	0.84	2.78		.6	12	0	
1205	5/20		"	3.2	2.77	0.90	0.81	2.50		.6	12	0	
1206	6/4		"	2.6	2.35	0.76	0.77	1.78		.6	9	0	
1207	6/4		"	2.7	2.52	0.65	0.75	1.64		.2/.8	10	+.02	
1208	6/18		"	2.7	2.42	0.57	0.73	1.37		.2/.8	10	0	
1209	7/2		"	2.8	2.59	0.46	0.72	1.20		.2/.8	10	0	
1210	7/16		"	1.7	1.07	0.83	0.67	0.89		.6	6	0	
1211	8/6		"	3.0	1.07	0.75	0.64	0.80		.5/.6	11	0	
1212	9/3		"	1.6	0.42	2.02	0.60	0.85		.5/.6	7	0	
1213	9/17		"	0.90	0.26	1.85	0.58	0.48		.5/.6	6	0	

DISCHARGE MEASUREMENTS OF LITTLE SANTA ANITA CREEK

AT OR NEAR above Sierra Madre Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 59

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1214	10/1		U.S.G.S.	0.8	0.18	2.11	0.58	0.38		.5/.6	5	0	
1215	10/15		"	1.2	0.30	1.53	0.57	0.46		.5/.6	7	0	
1216	10/29		"	1.0	0.25	1.68	0.58	0.42		.5/.6	6	0	
1217	11/20		"	1.0	0.24	2.08	0.58	0.50		.5	6	0	
1218	12/10		"	1.1	0.32	1.78	0.56	0.57		.6	5	0	
1219	12/22		"	1.0	0.29	1.69	0.55	0.49		.5/.6	4	0	
1220	1/8		"	1.1	0.24	3.54	0.71	0.85		.5	5	0	
1221	1/10		"	1.5	0.24	2.20	0.69	0.53		.5	8	0	
1222	1/21		"	1.4	0.26	1.58	0.63	0.41		.5	6		
1223	2/5		"	1.1	0.20	1.55	0.63	0.31		.5	5	0	
1224	2/18		"	2.1	0.62	3.11	0.88	1.93		.5/.6	8	0	
1225	3/3		"	1.4	0.39	2.03	0.63	0.79		.6	6	0	
1226	3/12		"	1.5	0.34	1.38	0.64	0.47		.5	6	0	
1227	4/9		"	1.2	0.30	1.43	0.64	0.43		.5	7	0	
1228	4/20		"	1.4	0.26	1.54	0.63	0.40		.5	8	0	
1229	5/8		"	2.2	0.36	0.83	0.58	0.30		.5	12	0	
1230	5/18		"	2.3	0.40	0.90	0.61	0.36		.5	12	0	
1231	6/5		"	1.2	0.30	1.03	0.63	0.31		.5	8	0	
1232	6/18		"	2.0	0.56	0.38	0.59	0.21		.5	11	0	
1233	7/6		"	1.2	0.33	0.67	0.59	0.22		.5	7	0	
1234	8/5		"				0.56	0.12	FLUME				
1235	9/3		"	1.4	0.43	0.21	0.56	0.09		.5	8	0	
1236	9/17		"	1.5	0.27	0.52	0.58	0.14		.5	9	0	

TED74M Cab 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U3-R

Daily discharge, in second-feet of LITTLE SANTA ANITA CREEK above Sierra Madre Dam for the year ending September 30, 1958

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.1	0.2	0.1	0.5	0.5	3.0	16	4.3	1.9	1.2	0.8	0.8
2	0.1	0.4	0.1	0.4	0.5	2.8	11	4.1	1.8	1.2	0.8	0.8
3	0.1	0.4	0.1	0.4	11	2.7	23	3.7	1.8	1.1	0.8	0.8
4	0.1	0.3	0.2	0.4	17	2.5	16	3.7	1.8	1.0	0.7	0.8
5	0.1	0.2	1.3	0.3	8.1	2.5	14	3.4	1.8	1.0	0.7	0.7
6	0.1	0.2	0.3	0.4	5.6	3.0	13	3.3	1.7	1.0	0.7	0.7
7	0.1	0.2	0.3	0.4	3.9	2.7	14	3.3	1.7	1.0	0.7	0.7
8	0.1	0.2	0.3	0.3	3.1	2.5	12	3.3	1.6	0.9	0.7	0.6
9	0.1	0.2	0.3	0.3	2.7	2.4	11	3.1	1.7	0.8	0.6	0.6
10	0.1	0.2	0.3	0.3	2.4	2.3	10	3.1	1.7	0.8	0.6	0.5
11	0.3	0.2	0.3	0.3	2.2	2.4	8.8	3.0	1.7	0.8	0.6	0.5
12	0.1	0.2	0.3	0.3	2.2	2.3	7.4	2.7	1.6	0.8	0.6	0.5
13	0.1	0.2	0.3	0.3	2.2	2.3	6.5	2.7	1.7	0.8	0.6	0.5
14	0.3	0.2	0.3	0.3	2.2	2.3	6.0	2.5	1.6	0.8	0.7	0.5
15	0.2	0.2	1.9	0.3	2.2	3.4	5.6	2.4	1.4	0.8	0.7	0.5
16	0.2	0.2	4.0	0.3	2.1	11	5.4	2.4	1.4	0.8	0.7	0.5
17	0.1	0.2	5.2	0.3	2.1	5.4	5.4	2.4	1.4	0.8	0.7	0.5
18	0.1	0.1	2.1	0.3	2.0	4.1	5.1	2.4	1.4	0.8	0.7	0.5
19	0.1	0.1	1.6	0.3	1.0	4.1	4.9	2.5	1.4	0.8	0.7	0.5
20	0.2	0.1	1.2	0.3	5.4	4.5	4.9	2.5	1.4	0.8	0.7	0.5
21	0.2	0.1	1.0	0.3	4.1	4.6	4.9	2.3	1.4	0.8	0.7	0.5
22	0.2	0.1	0.8	0.3	3.7	7.2	4.9	2.3	1.4	0.8	0.7	0.5
23	0.2	0.1	0.8	0.3	3.6	6.9	4.7	2.3	1.3	0.8	0.7	0.6
24	0.1	0.1	0.7	0.3	3.4	6.2	4.7	2.2	1.3	0.8	0.7	0.5
25	0.1	0.1	0.6	0.8	4.4	5.8	4.5	2.2	1.4	0.8	0.7	0.5
26	0.1	0.1	0.6	3.7	3.6	5.6	4.5	2.0	1.3	0.8	0.7	0.4
27	0.1	0.1	0.5	1.2	3.4	6.3	4.5	2.0	1.2	0.8	0.8	0.4
28	0.2	0.1	0.5	0.9	3.3	5.6	4.5	2.0	1.2	0.8	0.8	0.4
29	0.2	0.1	0.5	0.6		5.1	4.7	2.0	1.2	0.8	0.8	0.4
30	0.2	0.1	0.5	0.7		4.9	4.5	2.0	1.2	0.8	0.8	0.4
31	0.3		0.5	0.5		4.5		1.9		0.8	0.8	
	4.6		27.5		1169		246.4		45.6		22.0	
		5.2		16.3		130.9		84.0		26.8		16.6
MEAN	0.15	0.17	0.89	0.53	4.18	4.22	8.21	2.71	1.52	0.86	0.71	0.55
ACRE-FEET	9.1	10.	55.	32.	232.	260.	489.	167.	90.	53.	44.	33.

Remarks:

YEAR OR PERIOD MEAN 2.04
ACRE-FEET 1470.

7537-M C&b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U3-R

Daily discharge, in second-feet of LITTLE SANTA ANITA CREEK above Sierra Madre Dam, for the year ending September 30, 1959

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.4	0.4	0.5	0.5	0.3	0.7	0.5	0.4	0.3	0.2	0.1	0.1
2	0.3	0.3	0.5	0.5	0.3	0.7	0.4	0.3	0.3	0.2	0.1	0.1
3	0.3	0.3	0.5	0.5	0.3	0.8	0.4	0.3	0.3	0.2	0.1	0.1
4	0.3	0.3	0.5	0.5	0.3	0.7	0.4	0.3	0.3	0.2	0.1	0.1
5	0.3	0.3	0.5	0.5	0.3	0.6	0.4	0.3	0.2	0.2	0.1	0.1
6	0.4	0.3	0.5	9.6	0.3	0.5	0.4	0.3	0.2	0.2	0.1	0.1
7	0.4	0.3	0.5	2.2	0.3	0.5	0.4	0.3	0.2	0.2	0.1	0.1
8	0.4	0.4	0.5	1.1	1.0	0.5	0.4	0.3	0.2	0.2	0.1	0.1
9	0.4	0.4	0.5	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.1	0.1
10	0.4	0.5	0.5	0.5	0.6	0.5	0.3	0.3	0.2	0.1	0.1	0.1
11	0.4	0.5	0.5	0.5	5.7	0.5	0.3	0.3	0.2	0.1	0.1	0.1
12	0.4	0.5	0.5	0.5	2.1	0.5	0.3	0.3	0.2	0.1	0.1	0.1
13	0.4	0.5	0.5	0.5	1.7	0.5	0.3	0.3	0.2	0.1	0.1	0.1
14	0.4	0.5	0.5	0.3	1.4	0.5	0.3	0.3	0.2	0.1	0.1	0.1
15	0.4	0.5	0.5	0.3	1.2	0.5	0.3	0.3	0.2	0.1	0.1	0.1
16	0.4	0.5	0.5	0.3	7.1	0.5	0.3	0.3	0.2	0.1	0.1	0.1
17	0.4	0.5	0.5	0.3	3.8	0.5	0.4	0.3	0.2	0.1	0.1	0.1
18	0.4	0.5	0.5	0.3	1.8	0.5	0.4	0.3	0.2	0.1	0.1	0.1
19	0.4	0.5	0.5	0.3	0.9	0.5	0.4	0.3	0.2	0.1	0.1	0.1
20	0.4	0.5	0.5	0.3	0.7	0.5	0.4	0.2	0.2	0.1	0.1	0.1
21	0.4	0.5	0.5	0.4	1.0	0.5	0.4	0.5	0.2	0.1	0.1	0.1
22	0.4	0.5	0.5	0.3	0.8	0.5	0.3	0.3	0.2	0.1	0.1	0.1
23	0.5	0.5	0.5	0.3	0.8	0.5	0.3	0.2	0.2	0.1	0.1	0.1
24	0.5	0.5	0.5	0.3	0.8	0.5	0.4	0.2	0.2	0.1	0.1	0.1
25	0.6	0.5	0.5	0.2	0.8	0.5	0.5	0.2	0.2	0.1	0.1	0.1
26	0.5	0.5	0.5	0.3	0.8	0.5	0.5	0.3	0.2	0.1	0.1	0.1
27	0.5	0.5	0.5	0.3	0.8	0.5	0.3	0.2	0.2	0.1	0.1	0.1
28	0.5	0.5	0.5	0.3	0.8	0.5	0.3	0.2	0.2	0.1	0.1	0.1
29	0.4	0.5	0.5	0.5		0.5	0.3	0.3	0.2	0.1	0.1	0.1
30	0.4	0.5	0.5	0.5		0.5	0.3	0.3	0.2	0.1	0.1	0.1
31	0.4		0.5	0.3		0.5		0.3		0.1	0.1	
	12.7	13.5	15.5	23.9	37.3	15.5	11.0	8.6	5.4	3.9	3.1	3.0
MEAN	.41	.45	.50	.77	1.33	.53	.37	.28	.21	.13	.10	.10
ACRE-FEET	25.	27.	31.	47.	74.	33.	22.	17.	13.	7.7	6.1	6.0

Remarks:

YEAR OR PERIOD MEAN 0.43
ACRE-FEET 309.

STATION F13-R
LITTLE TUJUNGA WASH at Foothill Boulevard

LOCATION: WATER-STAGE RECORDER, LAT. 34°16'28", LONG. 118°22'20", ON DOWNSTREAM SIDE OF FOOTHILL BOULEVARD BRIDGE, FOUR MILES EAST OF SAN FERNANDO. ELEVATION OF ZERO GAGE HEIGHT, 1067.89 FEET.

DRAINAGE AREA: 21.0 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - SAND AND SILT. CONCRETE CONTROL BELOW GAGE.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM HIGHWAY BRIDGE.

RECORDER: AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1957 TO SEPTEMBER 30, 1959.

REGULATION: NONE.

DIVERSIONS: NONE KNOWN.

RECORDS AVAILABLE: DECEMBER 26, 1928 TO SEPTEMBER 30, 1959.

EXTREMES OF DISCHARGE:

1957-58
MAXIMUM 559 SECOND-FEET APRIL 3.
MINIMUM NO FLOW MOST OF YEAR.
1958-59
MAXIMUM 84 SECOND-FEET JANUARY 6.
MINIMUM NO FLOW MOST OF YEAR.
1929-59
MAXIMUM 8500 SECOND-FEET ESTIMATED MARCH 2, 1938.
MINIMUM NO FLOW MOST OF EACH YEAR.

ACCURACY: GOOD

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT IN COOPERATION WITH THE UNITED STATES GEOLOGICAL SURVEY, WATER RESOURCES BRANCH.

DISCHARGE MEASUREMENTS OF LITTLE TUJUNGA WASH

AT Foothill Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 1958

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATINGS	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
536	12/15	1555 / 1605	HYDE-FEIKER	8.0	1.51	1.99	3.17	3.0		.5	6	0	FC58
537	12/17	0150 / 0203	" "	19.0	7.77	2.90	3.50	22.5		.6	9	-.02	FC21
538	12/17	1125 / 1130	" "	7.1	1.17	1.71	3.17	2.0		.5	6	0	"
539	1/26	0156 / 0207	HYDE-HEMPHILL	18.2	5.58	2.64	3.34	14.7		.6	11	-.01	FC40
540	1/26	0450 / 0458	" "	11.0	4.52	2.98	3.29	13.5		.6 .5	8	+.01	"
541	2/3	0622 / 0633	" "	18.8	10.6	2.91	3.47	30.9		.6	10	0	"
542	2/3	1000 / 1010	" "	20.5	9.35	3.68	3.53	34.4		.6	11	-.01 +.01	"
543	2/4	0100 / 0112	" "	18.5	7.85	4.05	3.53	31.8		.6	10	+.01	"
544	2/4	0744 / 0751	" "	20.0	14.6	4.56	3.82	66.6		.6	12	-.02	"
545	2/4	1117 / 1127	" "	31.0	22.1	5.11	3.92	113.		.6	13	-.02	"
546	2/5	0758 / 0807	" "	13.0	5.88	3.18	3.40	18.7		.6	10	0	"
547	2/7	0810 / 0817	HYDE	11.5	2.15	1.97	3.26	4.2		.5	8	0	"
548	2/12	0810 / 0815	TWITTY-HYDE	2.8	0.21	1.81	3.17	0.38		.5	5	0	FC60
549	2/14	0814 / 0818	HYDE	3.5	0.39	0.82	3.12	0.32		.5	5	0	FC58
550	2/19	1333 / 1345	HYDE-MEDINA	21.0	13.9	4.96	3.76	69.1		.6	13	0	FC40
551	2/21	0836 / 0845	HYDE	11.5	1.75	1.60	3.25	2.8		.5	7	0	"
552	2/25	0855 / 0903	HYDE-MEDINA	14.0	5.67	3.67	3.48	20.8		.6	8	0	"
553	2/27	1552 / 1600	HYDE	7.5	1.22	1.97	3.23	2.4		.5	7	0	FC58
554	3/6	1524 / 1531	MOSES-HYDE	11.2	1.47	1.50	3.28	2.2		.5	8	0	FC40
555	3/12	1028 / 1030	HYDE	2.0	0.23	1.74	3.22	0.40		.5	4	0	"
556	3/15	1621 / 1628	"	12.5	2.78	3.06	3.40	8.5		.5	9	0	"
557	3/17	0818 / 0827	"	14.0	4.79	4.34	3.45	20.8		.6	9	0	"
558	3/19	1032 / 1040	"	10.5	3.15	4.29	3.36	13.5		.5	8	0	"
559	3/20	1545 / 1550	"	10.5	3.01	3.72	3.42	11.2		.5	8	0	"
560	3/21	0830 / 0842	HYDE	12.5	3.32	3.74	3.41	12.4		.5	11	0	FC40
561	3/22	0335 / 0350	HYDE-MEDINA	34.0	23.2	5.60	3.95	130.		.6	13	-.04	"
562	3/23	1040 / 1100	HYDE	13.0	7.25	3.95	3.46	28.6		.6	14	0	"
563	3/24	1002 / 1018	"	13.3	5.35	4.20	3.38	22.9		.6	10	0	"
564	3/26	0927 / 0934	HYDE-WOOD	12.5	4.73	3.82	3.35	18.0		.5	9	0	"
565	3/27	1315 / 1324	HYDE-BOYLE	19.5	8.01	3.76	3.49	30.1		.5 .6	10	0	"
566	3/28	0824 / 0834	HYDE	13.0	4.09	3.74	3.40	15.3		.6	9	0	"
567	4/1	0834 / 0855	HYDE-MEDINA	52.0	39.7	6.60	4.07	262.		.6	12	-.05	"
568	4/1	1535 / 1554	HYDE-FALCONE	59.0	53.2	7.35	3.94	391.		.6	13	-.01	FC58
569	4/2	1022 / 1040	FALCONE-HYDE	22.5	19.1	4.63	3.60	88.5		.6	14	0	FC40

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATINGS	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
570	4/3	1952 / 1006	HYDE-FALCONE	45.0	47.7	5.66	4.24	270.		.6	13	-.18	FC58
571	4/5	1140 / 1155	HYDE-MEDINA	28.5	13.6	1.92	3.64	69.0		.6	15	-.01	FC40
572	4/6	0947 / 0959	HYDE-LUND	CHANNELS			3.59	53.4		.6	16	0	"
573	4/6	1422 / 1431	" " "	28.0	12.8	5.39	3.65	69.0		.6	13	-.02	"
574	4/7	0928 / 0954	HYDE-MEDINA	CHANNELS			3.82	103.		.6	23	+.03	"
575	4/8	1414 / 1430	HYDE	24.5	10.6	4.42	3.55	46.8		.6	16	-.02	"
576	4/9	1016 / 1028	"	19.7	9.05	4.48	3.50	40.6		.6	11	0	"
577	4/11	0835 / 0845	"	16.0	6.94	4.08	3.31	28.3		.5 .6	10	-.01	"
578	4/14	0835 / 0845	"	14.5	6.43	2.70	3.21	17.4		.5 .6	10	0	"
579	4/17	1015 / 1030	"	12.0	4.88	2.23	3.17	10.9		.6	11	0	"
580	4/23	1013 / 1023	"	8.5	4.37	1.65	3.15	7.2		.6	11	0	FC58
581	4/30	1002 / 1012	"	8.0	3.45	1.45	3.13	5.0		.6	9	0	"
582	5/7	1530 / 1542	"	7.0	2.79	1.29	3.13	3.6		.6	9	0	"
583	5/14	0810 / 0820	"	7.0	2.83	0.95	3.13	2.7		.6	9	0	"
584	5/21	0805 / 0812	"	6.0	1.81	0.88	3.10	1.6		.5	7	0	FC40
585	5/28	0807 / 0813	HYDE	3.5	0.82	1.01	3.05	0.83		.5	6	0	"
586	6/4	0807 / 0820	BOWMAN	4.5	1.01	0.65	3.04	0.66		.5	10	0	FC60
587	6/11	0815 / 0820	HYDE	3.5	0.54	0.67	2.99	0.36		.5	5	0	"

DISCHARGE MEASUREMENTS OF LITTLE TUJUNGA WASH

AT Foothill Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 1959

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATINGS	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
588	1/6	1032 / 1038	HYDE-MEDINA	10.0	2.69	2.00	3.30	5.4		.5 .6	9	0	FC40
589	2/8	1408 / 1415	" "	8.0	2.06	1.89	3.28	3.9		.5	9	0	"
590	2/11	0400 / 0406	" "	CHANNELS			3.33	8.9		.5	7	+.06	"
591	2/11	0433 / 0455	" "		"		3.58	50.4		.5 .6	18	+.06	"
592	2/11	1120 / 1128	" "	13.0	4.65	3.36	3.39	15.6		.6	9	0	"
593	2/12	1038 / 1045	HYDE	4.7	1.77	1.47	3.14	2.6		.6	7	0	"
594	2/13	1624 / 1628	"	2.5	0.40	0.85	3.01	0.34		.5	5	0	"
595	2/16	1417 / 1421	HYDE-MEDINA	4.0	0.70	1.43	3.07	1.0		.5	5	0	"
596	2/17	1245 / 1251	HYDE	4.0	0.73	1.33	3.09	0.97		.5	6	0	"
597	2/18	0758 / 0803	"	2.5	0.40	1.25	3.04	0.50		.5	5	0	"
598	2/21	1253 / 1258	BOWMAN-HYDE	8.6	2.49	2.41	3.19	6.0		.5	7	0	"

75D74M C-1 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F19-R

Daily discharge, in second-feet of LITTLE TUJUNGA WASH at Foothill Boulevard for the year ending September 30, 1958

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0.8	223	5.1	0.2			
2	0	+	0	0	+	e 0.6	104	5.1	0.2			
3	0	0	0	0	2.0	0.4	163	5.1	0.2			
4	0	0	+	0	6.2	0.2	78	3.8	0.2			
5	0	0	0.2	0	1.4	e 0.1	63	3.8	0.2			
6	0	0	0	0	5.6	0.8	63	3.8	0.2			
7	0	0	0	0	3.8	1.3	79	3.8	0.2			
8	0	0	0	0	2.0	2.5	49	3.8	0.2			
9	0	0	0	0	1.2	2.5	38	3.8	0.2			
10	0	0	0	0	0.8	2.5	32	3.8	0.1			
11	+	0	0	0	0.5	2.0 b	28	3.8	0.1			
12	0	0	0	0	0.2	0.2	24	2.9	+			
13	0	0	0	0	0.1	0.2	20	2.5				
14	0	0	0	0	0.2	1.3	16	2.0				
15	0	0	1.7	0	0.2	8.1	14	1.3				
16	0	0	0.9	0	0	3.9	12	1.3	+			
17	0	0	5.1	0	0	1.9 b	11 b	1.1 b	0			
18	0	0	0	0	0	1.9	11	1.0	0			
19	0	0	0	0	2.1	1.5	9.6	1.0	0			
20	0	0	0	0	7.4	1.1	8.2	1.0	0			
21	0	0	0	0	2.5	1.8	7.4	1.0	0			
22	0	0	0	0	2.9	6.3	7.4 b	1.0 b	0			
23	0	0	0	0	3.8	2.7	6.7	1.0	0			
24	0	0	0	0	2.9	2.4	6.7	1.0	0			
25	0	0	0	0.9	1.4	1.9	6.7	0.6	0			
26	0	0	0	7.1	4.2	1.7	6.0	0.3	STOPPED FOR SUMMER			
27	0	0	0	+	2.5	2.4	6.0	0.2				
28	0	0	0	0	1.6	1.5	5.1	0.2				
29	0	0	0	0		1.2	5.1 b	0.2 b				
30	0	0	0	0		1.2	5.1 b	0.2 b				
31	0		0	0		1.2		0.2 b				
		+		8.0		369.5		65.7		0		0
	+		7.9		173.4		1108.0		2.0		0	
MEAN	+	+	0.25	0.26	6.19	11.9	36.9	2.12	0.07	0	0	0
ACRE-FEET	+	+	16.	16.	344.	733.	2200.	130.	4.0	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 4.75
ACRE-FEET 3440.

76D74M Cab 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F19-R

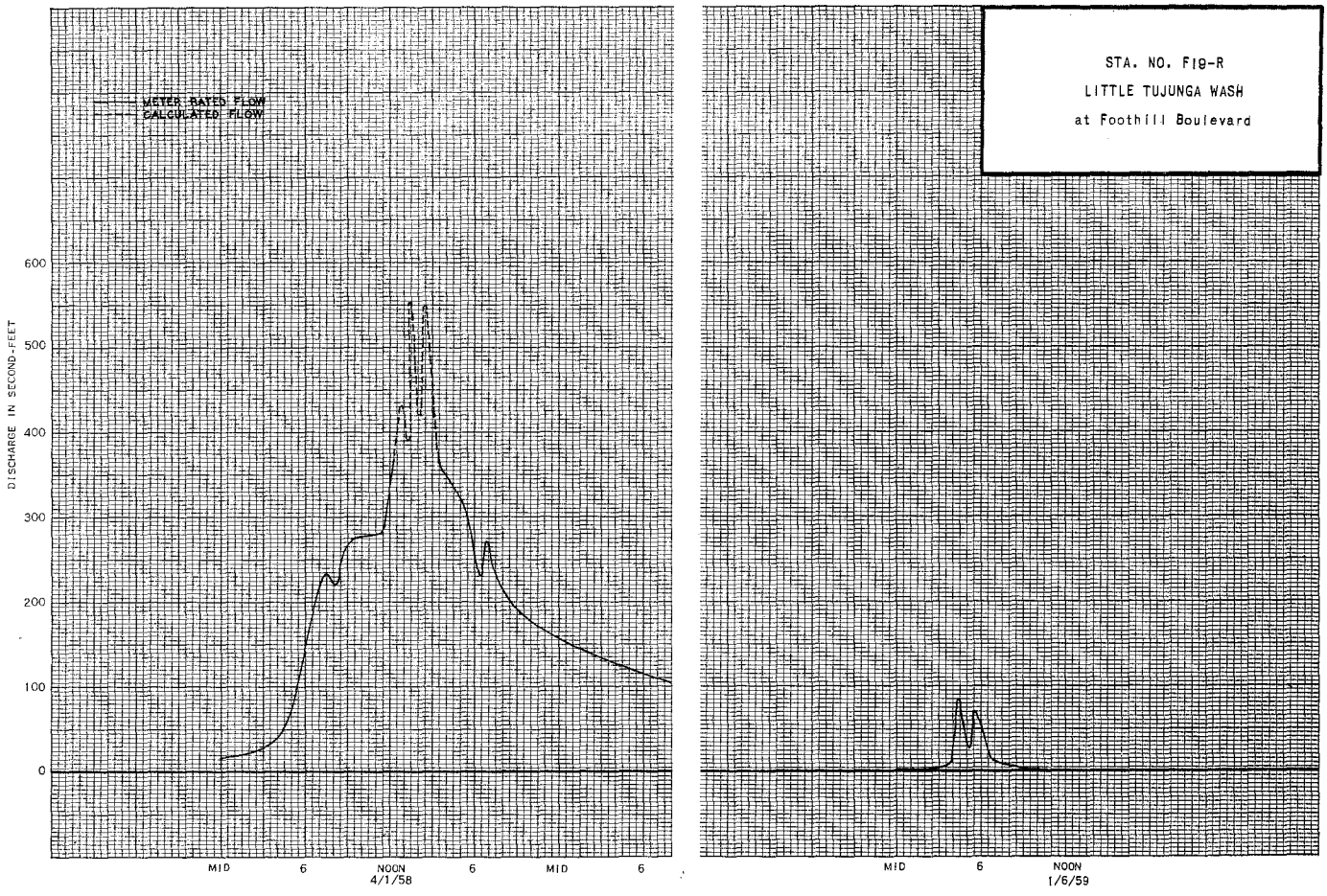
Daily discharge, in second-feet of LITTLE TUJUNGA WASH at Foothill Boulevard for the year ending September 30, 19 59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	+	0	0				
2	0	0	0	0	0	0	0	0				
3	0	0	0	0	0	0	0	0				
4	0	0	0	0	0	0	0	0				
5	0	0	0	+	0	0	0	0				
6	0	0	0	9.2	0	0	0	0				
7	0	0	0	1.0	0	0	0					
8	0	0	0	+	1.0	0	0					
9	0	0	0	0	0.1	0	0					
10	0	0	0	0	0	0	0					
11	0	0	0	0	1.0	0	0					
12	0	0	0	0	1.6	0	0					
13	0	0	0	0	0.8	0	0					
14	0	0	0	0	0.1	0	0					
15	0	0	0	0	+	0	0					
16	0	0	0	0	1.1	0	0					0
17	0	0	0	0	1.2	0	0					0
18	0	0	0	0	0.7	0	0					0
19	0	0	0	0	0.2	0	0					0
20	0	0	0	0	0.1	0	0					0
21	0	0	0	0	3.9	0	0					0
22	0	0	0	0	2.5	0	0					0
23	0	0	0	0	1.3	0	0					0
24	0	0	0	0	0.7	0	0					0
25	0	0	0	0	0.2	0	+					0
26	0	0	0	0	0.1	0	0					0
27	0	0	0	0	0.1	0	0					0
28	0	0	0	0	+	0	0					0
29	0	0	0	0		0	0					0
30	0	0	0	0		0	0					0
31	0		0	0		0						
	0		0		25.7		0		0		0	
		0		10.2		0		0		0		0
MEAN	0	0	0	0.33	0.92	0	0	0	0	0	0	0
ACRE-FEET	0	0	0	20.	51.	0	+	0	0	0	0	0

STOPPED FOR SUMMER

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.10
ACRE-FEET 71.0



STATION F31-R
LIVE OAK CREEK near Mouth of Canyon

LOCATION: WATER-STAGE RECORDER, LAT. 34°07'34", LONG. 117°44'40", ON THE RIGHT, (WEST) BANK OF STREAM NEAR MOUTH OF CANYON ABOUT 0.5 MILE BELOW LIVE OAK DAM, AND ABOUT TWO MILES NORTHEAST OF LA VERNE. ELEVATION OF GAGE ABOUT 1,335 FEET.

DRAINAGE AREA: 2.6 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - SAND, GRAVEL AND ROCKS.
CONTROL - CONCRETE; A 2-FOOT CIPOLLETTI WEIR 12 INCHES DEEP.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM BRIDGE 350 FEET BELOW STATION.

RECORDER: AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1957 TO SEPTEMBER 30, 1959.

REGULATION: FLOW REGULATED BY LIVE OAK DAM.

DIVERSIONS: NONE.

RECORDS AVAILABLE: JANUARY 4, 1928 TO SEPTEMBER 30, 1959.

EXTREMES OF DISCHARGE:
1957-58
MAXIMUM 30 SECOND-FEET FEBRUARY 4.
MINIMUM NO FLOW MOST OF YEAR.
1958-59
MAXIMUM 3.4 SECOND-FEET FEBRUARY 11.
MINIMUM NO FLOW MOST OF YEAR.
1928-59
MAXIMUM 257 SECOND-FEET MARCH 2, 1938.
MINIMUM NO FLOW MOST OF EACH YEAR.

ACCURACY: EXCELLENT.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF LIVE OAK CREEK

NEAR Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 60

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
197	2/4	1050 / 1110	SARASUA-PITTS	8.4	9.32	2.17	1.46	20.2		.6	13	0	FC43
198	2/7	1305 / 1318	SARASUA	7.8	2.95	1.59	0.79	4.7		.6	12	0	"
199	2/8	1121 / 1130	"	3.7	1.22	0.88	0.38	1.1		.5	9	0	"
200	2/13	1322 / 1330	"	3.8	1.14	0.71	0.35	0.81		.5	8	0	FC49
201	2/25	0712 / 0722	SARASUA-PITTS	4.0	2.09	1.44	0.58	3.0		.6	9	-.04	FC43
202	2/26	1020 / 1030	SARASUA	3.6	1.05	0.80	0.31	0.84		.6	8	0	"
203	3/6	1331 / 1337	"	4.0	1.32	1.21	0.39	1.6		.6	7	-.02	"
204	3/13	1255 / 1300	"	2.1	0.44	1.98	0.29	0.87		.6	6	0	FC49
205	3/15	1450 / 1455	SARASUA-PITTS	2.2	0.48	1.58	0.33	0.76		.6	6	0	FC43
206	3/16	0722 / 0730	" "	7.5	3.46	2.08	1.05	7.2		.6	10	-.02	"
207	3/20	1310 / 1317	SARASUA	2.0	0.55	1.82	0.42	1.0		.6	6	0	"
208	3/27	1447 / 1455	"	2.2	0.51	1.59	0.40	0.81		.6	7	0	"
209	4/1	1418 / 1427	SARASUA-PITTS	8.0	5.05	2.22	1.14	11.2		.6	12	+.02	"
210	4/3	0647 / 0658	" "	8.0	6.39	2.01	1.25	12.4		.6	12	+.02	"
211	4/8	1100 / 1110	SARASUA	7.5	6.10	1.90	1.16	11.6		.6	12	0	"
212	4/17	1401 / 1407	FALCONE-SARASUA	6.7	1.79	1.00	0.41	1.8		.6	9	+.02	FC54
213	4/24	1624 / 1630	FALCONE	3.9	1.46	0.96	0.32	1.4		.6	9	0	FC55
214	5/1	1615 / 1628	"	3.9	1.39	0.93	0.30	1.3		.5	9	0	"
215	5/8	1625 / 1635	"	4.0	1.35	0.88	0.30	1.2		.5	10	0	"
216	5/14	1509 / 1520	"	4.0	1.38	0.94	0.29	1.3		.5	10	0	"
217	5/22	1332 / 1342	SARASUA	3.5	0.86	0.84	0.27	0.72		.5	8	0	FC49
218	5/29	1325 / 1332	SARASUA-MC BRIDE	3.8	1.08	0.69	0.26	0.74		.6	9	0	"
219	6/5	1322 / 1335	MC BRIDE - SARASUA	4.0	1.03	0.67	0.25	0.69		.6	9	0	"
220	6/11	1427 / 1437	FALCONE	3.9	1.06	0.77	0.24	0.82		.5	9	0	FC55
221	6/12	1331 / 1342	SARASUA-BURKE	3.4	0.81	0.75	0.24	0.61		.5	9	0	FC49
222	6/19	1308 / 1318	SARASUA	3.8	0.94	0.62	0.23	0.58		.5	10	0	"
223	6/26	1450 / 1500	"	3.2	0.73	0.56	0.22	0.41		.6	9	0	"
224	7/3	1342 / 1350	MC BRIDE - SARASUA	3.2	0.78	0.54	0.20	0.42		.6	8	0	"
225	7/10	1336 / 1342	SARASUA	0.8	0.19	0.16	0.11	0.03		.5	5	0	"
226	7/17	1339 / 1351	MC BRIDE	3.0	0.67	0.54	0.19	0.36		.5	9	0	"

DISCHARGE MEASUREMENTS OF LIVE OAK CREEK

NEAR Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 59

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
227	2/16	1657 / 1701	SARASUA-MC BRIDE	2.0	0.13	0.46	0.15	0.06		.5	6	0	FC49
228	4/16	1545 / 1548	SARASUA	0.9	0.19	0.37	0.06	0.07		.6	4	0	"
229	4/26	0059 / 0107	SARASUA-MC BRIDE	3.8	0.80	0.60	0.17	0.48		.6	9	+.02	"

78D74M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F31-R

Daily discharge, in second-feet of LIVE OAK CREEK near Mouth of Canyon, for the year ending September 30, 19 58

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	1.1	5.1	1.3	0.9	0.5	0	0
2	0	0	0	0	0	1.1	6.1	1.3	0.9	0.5	0	0
3	0	0	0	0	0.4	1.1	11.8	1.3	0.9	0.5	0	0
4	0	0	0	0	11.7	1.1	13.0	1.5	0.9	0.4	0	0
5	0	0	0	0	9.5	1.1	11.3	1.2	0.7	0.3	0	0
6	0	0	0	0	5.0	1.3	11.7	1.2	0.7	0.3	0	0
7	0	0	0	0	3.7	0.9	14.8	1.2	0.7	0.2	0	0
8	0	0	0	0	1.0	0.9	11.7	1.2	0.8	0.2	0	0
9	0	0	0	0	0.9	0.9	10.2	1.2	0.8	0.2	0	0
10	0	0	0	0	0.9	0.9	8.7	1.3	0.8	+	0	0
11	0	0	0	0	0.8	1.1	6.7	1.3	0.8		0	0
12	0	0	0	0	0.8	1.1	4.4	1.3	0.6		0	0
13	0	0	0	0	0.8	1.1	2.8	1.3	0.6		0	0
14	0	0	0	0	0.8	1.1	2.7	1.3	0.6		0	0
15	0	0	0	0	0.8	1.0	2.4	1.2	0.6		0	0
16	0	0	0	0	0.8	6.4	2.2	1.1	0.6	+	0	0
17	0	0	0.2	0	0.8	5.0	1.8	1.0	0.6	0.1	0	0
18	0	0	0	0	0.7	4.9	1.8	1.0	0.6	0.2	0	0
19	0	0	0	0	1.0	4.8	1.8	0.9	0.6	+	0	0
20	0	0	0	0	0.7	3.6	1.8	0.8	0.6		0	0
21	0	0	0	0	0.7	a 1.1	1.8	0.8	0.6		0	0
22	0	0	0	0	0.7	1.2	1.6	0.7	0.6	+	0	0
23	0	0	0	0	0.7	0.7	1.6	0.8	0.5	0	0	0
24	0	0	0	0	0.7	0.7	1.4	0.8	0.4	0	0	0
25	0	0	0	0	1.2	0.7	1.4	0.8	0.4	0	0	0
26	0	0	0	0.1	0.8	0.7	1.4	0.8	0.4	0	0	0
27	0	0	0	0	0.8	a 0.8	1.4	0.8	0.4	0	0	0
28	0	0	0	0	1.0	0.7	1.3	0.8	0.4	0	0	0
29	0	0	0	0		0.7	1.3	0.7	0.4	0	0	0
30	0	0	0	0		0.6	1.3	0.9	0.5	0	0	0
31	0		0	0		0.6		0.9		0	0	
		0		0.1		49.0		32.7		3.4		0
	0		0.2		47.7		147.3		18.9		0	
MEAN	0	0	0.01	+	1.70	1.58	4.91	1.05	0.63	0.11	0	0
ACRE-FEET	0	0	0.4	0.2	95.	97.	292.	65.	38.	6.7	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.82
ACRE-FEET 594.

78D74M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F31-R

Daily discharge, in second-feet of LIVE OAK CREEK near Mouth of Canyon, for the year ending September 30, 19 59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0.2	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0.2	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	b +	0	0	0	0	0
14	0	0	0	0	0	0	0.1	0	0	0	0	0
15	0	0	0	0	0	0	0.1	0	0	0	0	0
16	0	0	0	0	+	0	0.1	0	0	0	0	0
17	0	0	0	0	0	0	0.1	0	0	0	0	0
18	0	0	0	0	0	0	0.1	0	0	0	0	0
19	0	0	0	0	0	0	b +	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	+	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0		0	0	0	0	0	0	0
30	0	0	0	0		0	0	0	0	0	0	0
31	0		0	0		0		0		0	0	
		0		0.2		0		0		0		0
	0		0		0.2		0.5		0		0	
MEAN	0	0	0	0.01	+	0	+	0	0	0	0	0
ACRE-FEET	0	0	0	0.4	0.4	0	1.0	0	0	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN +
ACRE-FEET 1.8

STATION F31I-R
LIVE OAK WASH below 7th Street, La Verne

LOCATION: WATER-STAGE RECORDER, LAT. 34°06'17", LONG. 117°46'17", ON THE LEFT (EAST) WALL OF LIVE OAK WASH BELOW 7TH STREET IN THE CITY OF LA VERNE. ALTITUDE OF GAGE 1049.42.

CHANNEL AND CONTROL: CHANNEL-RECTANGULAR CONCRETE 17.3 FEET WIDE, 9.8 FEET DEEP. CONTROL - VERTICAL FACED SHARP-CRESTED WEIR WITH ENO CONTRACTIONS SUPPRESSED.

DISCHARGE MEASUREMENTS: FLOWS MEASURED FROM FOOT BRIDGE BELOW WEIR. MEASUREMENTS MADE FOR PURPOSE OF RATING WEIR.

RECORDER: AN AU RECORDER WAS IN SERVICE DURING PERIODS OF OPERATION.

REGULATION: METROPOLITAN WATER DISTRICT'S DELIVERY LINE INTO LIVE OAK CHANNEL ABOVE STATION.

ACCURACY: EXCELLENT.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

REMARKS: THIS STATION AND WEIR INSTALLED TO DETERMINE THE QUANTITY OF WATER DELIVERED TO PUDDINGSTONE RESERVOIR FOR ZONE 1. RECORD AS PUBLISHED IS DELIVERED WATER ONLY AND DOES NOT INCLUDE LOCAL WATER OR STORM FLOWS. RECORDER IN SERVICE ONLY DURING PERIOD OF SUCH DELIVERY. THERE WAS NO DELIVERY OF ZONE 1 WATER FROM THIS SOURCE DURING 1957-58 OR 1958-59.

STATION F5C-R
LOS ANGELES RIVER below Sepulveda Dam

LOCATION: WATER-STAGE RECORDER, LAT. 34°09'42", LONG. 118°27'57", ON RIGHT (SOUTH) BANK OF OUTLET CHANNEL OF SEPULVEDA DAM, 200 FEET UPSTREAM FROM SEPULVEDA BOULEVARD. ALTITUDE OF GAGE 670 FEET.

DRAINAGE AREA: 155 SQUARE MILES.

RECORDS AVAILABLE: MAY 1943 TO SEPTEMBER 1959. AT STATIONS F5-R AND F5B-R, FROM DECEMBER 19, 1923 TO MARCH 3, 1938 AND FROM APRIL 28, 1938 TO MARCH 27, 1952.

AVERAGE DISCHARGE: 16 YEARS (1943-57) 23.0 SECOND-FEET.

EXTREMES:
1957-58
MAXIMUM DISCHARGE 10300 SECOND-FEET DECEMBER 15. (GAGE HEIGHT 8.45 FEET.)
MINIMUM DAILY DISCHARGE 2.8 SECOND-FEET AT VARIOUS TIMES.
1958-59
MAXIMUM DISCHARGE 10,200 SECOND-FEET JANUARY 6. (GAGE HEIGHT 8.39 FEET).
MINIMUM DAILY DISCHARGE 2.8 SECOND-FEET SEPTEMBER 12, 13.
1943-59
MAXIMUM DISCHARGE 10,300 SECOND-FEET DECEMBER 15, 1957. (GAGE HEIGHT 8.45 FEET).
MINIMIM DAILY DISCHARGE 1.3 SECOND-FEET SEPTEMBER 20-22, 24, 25, 1951.

REMARKS: RECORDS GOOD BELOW 1000 CFS AND FAIR ABOVE. FLOW REGULATED BY SEPULVEDA FLOOD CONTROL RESERVOIR (CAPACITY, 17,400 ACRE-FEET). SOME DIVERSION ABOVE STATION. CITY OF LOS ANGELES DISCHARGED 92 ACRE-FEET OF IMPORTED OWNES RIVER WATER FROM CHATSWORTH RESERVOIR INTO LOS ANGELES RIVER ABOVE STATION DURING 1957-58 AND IN 1958-59 SUCH DISCHARGES AMOUNTED TO 5930 ACRE-FEET.

REVISIONS: THE MAXIMUM DISCHARGE FOR THE WATER YEAR 1930-31 HAS BEEN REVISED TO 1800 SECOND-FEET ON FEBRUARY 4, 1931, AND THE MEAN DAILY DISCHARGE TO 833 SECOND-FEET FOR THAT DAY.

COOPERATION: RECORDS FURNISHED BY CORPS OF ENGINEERS, DEPARTMENT OF THE ARMY AND THE UNITED STATES GEOLOGICAL SURVEY, WATER RESOURCES BRANCH. FIFTY-THREE DISCHARGE MEASUREMENTS FURNISHED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER

AT OR NEAR below Sepulveda Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 58

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
936	10/10	1100 / 1125	BOWMAN	16.0	4.61	2.39	0.37	11.0		.5	18	0	FC53
937	10/16		U.S.G.S.	15.0	3.02	1.85	0.18	5.59		.5/.6	28	0	
938	10/24	1250 / 1320	BOWMAN	15.0	3.09	2.16	0.22	6.66		.5	16	-03	FC53
939	10/31		U.S.G.S.	19.0	4.69	2.22	0.30	10.4		.5/.6	23	+.01	
940	11/7	1123 / 1131	ROY	15.0	2.74	1.46	0.20	3.99		.5/.6	9	0	FC53
941	11/14		U.S.G.S.	17.0	3.24	1.37	0.22	4.43		.5/.6	26	+.01	
942	11/21	1024 / 1036	WOOD-BLAKELY	17.0	2.60	1.28	0.22	3.32		.5	8	0	FC53
943	12/1		U.S.G.S.	11.5	2.49	2.00	0.24	4.98		.5	18	0	
944	12/12	0944 / 1000	WOOD	15.0	2.18	1.65	0.18	3.57		.5	12	0	FC53
945	12/16		U.S.G.S.	44.5	28.7	5.96	0.98	171.		.5/.6	18	0	
946	12/26	0931 / 0952	WOOD	14.0	2.86	1.96	0.19	5.59		.5	13	0	FC53
947	12/30		U.S.G.S.	12.0	2.22	2.81	0.21	6.24		.5	19	0	
948	1/9	1008 / 1027	WOOD	14.0	2.93	1.81	0.21	5.32		.5	12	0	FC53
949	1/15		U.S.G.S.	7.7	2.22	2.23	0.22	4.95		.5/.6	22	0	
950	1/23	1528 / 1605	TWITTY-WOOD	12.5	2.92	1.85	0.23	5.4		.5	12	0	FC53
951	1/26		U.S.G.S.	44.1	45.6	6.54	1.40	298.		.5/.6	14	0	
952	1/30		"	34.0	9.85	2.90	0.55	28.6		.5/.6	26	+.08	
953	2/3		"	44.1	84.1	12.06	2.18	1020.		.2/.6	13	-.09	
954	2/4		"	44.1	184.	19.9	4.43	3660.		.2	5	-.06	
955	2/4		"	44.1	172.	17.8	4.28	3050.		.5	5	0	
956	2/7	1343 / 1402	WOOD	13.0	3.09	2.33	0.22	7.20		.5	14	0	FC57
957	2/14		U.S.G.S.	11.0	2.31	2.69	0.20	6.21		.5	16	0	
958	2/19		"	44.1	257.	23.7	6.13	6080.		.6	5	+.20	
959	2/19		"	44.1	311.	23.5	7.20	7300.		.6	5	0	
960	2/19		U.S.C. OF E.	44.0	291.	23.68	7.08	6890.		FLOAT	7	-.04	
961	2/19		"	44.0	247.	21.71	6.33	5360.		"	7	-.40	
962	2/19		"	44.0	167.	18.74	4.28	3300.		"	8	-.31	
963	2/19		"	44.0	140.	18.26	3.60	2560.		"	7	-.17	
964	2/19		"	44.0	116.	16.21	2.92	1880.		"	7	-.05	
965	2/20	0845 / 0910	WOOD-TWITTY	46.0	10.8	4.05	0.64	43.8		.5	14	-.01	FC57
966	2/27		U.S.G.S.	16.4	2.86	3.13	0.28	8.94		.5/.6	19	0	
967	3/6	0842 / 0903	WOOD	18.0	3.38	2.16	0.22	7.31		.5	15	0	FC53
968	3/13		U.S.G.S.	15.0	3.68	1.77	0.22	6.53		.5/.6	16	0	
969	3/17		"	40.0	18.3	3.29	0.71	60.1		.5/.6	21	0	

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER

AT OR NEAR below Sepulveda Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 59

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
970	3/20	0840 / 0856	WOOD	16.0	3.47	2.48	0.24	8.55		.5	13	0	FC53
971	4/1		U.S.G.S.	44.0	92.6	7.56	2.38	1340.		.6	9	-.05	
972	4/3		U.S. C. OF E.	44.0	87.5	13.42	2.29	1170.		FLOAT	8	-.04	
973	4/3		" "	44.0	78.6	12.77	2.13	1010.		"	8	-.04	
974	4/4		U.S.G.S.	44.0	28.2	6.06	0.98	171.		SURF .5/.6	25	-.05	
975	4/7		"	44.0	42.7	9.70	1.33	414.		SURF .5	24	0	
976	4/10	0846 / 0912	WOOD	34.0	10.9	3.30	0.57	36.1		.5/.6	17	0	FC57
977	4/15		U.S.G.S.	17.0	6.29	2.64	0.41	16.6		.5/.6	18	+.01	
978	4/24		"	15.0	4.72	2.20	0.29	10.4		.5/.6	28	+.02	
979	4/24	1629 / 1645	WOOD	14.0	3.37	2.28	0.26	7.74		.5	11	0	FC57
980	4/28		U.S.G.S.	15.3	4.74	2.04	0.28	9.65		.5	20		
981	5/6		"	16.2	5.33	1.76	0.33	9.37		.5	24	0	
982	5/8	0815 / 0835	WOOD	17.0	4.49	1.87	0.34	8.40		.5	12	0	FC53
983	5/13		U.S.G.S.	16.9	5.40	2.02	0.39	10.9		.5/.6	23	0	
984	5/22	0839 / 0855	WOOD	24.0	6.72	1.20	0.43	8.07		.5	13	-.02	FC53
985	5/28		U.S.G.S.	14.5	6.17	1.27	0.44	7.84		.5/.6	31	0	
986	6/5	0906 / 0920	WOOD	17.0	5.96	1.22	0.45	7.27		.5	11	0	FC57
987	6/17		U.S.G.S.	9.0	2.69	3.18	0.35	8.56		.5/.6	23	0	
988	6/19	0824 / 0839	WOOD	18.0	4.24	1.84	0.36	7.75		.5	12	-.01	FC57
989	6/30		U.S.G.S.	9.8	3.07	3.45	0.30	10.6		.5/.6	25	0	
990	7/8	1611 / 1624	WOOD	15.5	2.84	1.98	0.28	5.57		.5	12	0	FC53
991	7/15		U.S.G.S.	15.6	3.92	1.84	0.29	7.20		.5/.6	25	0	
992	7/24	0806 / 0817	WOOD	14.0	2.33	2.36	0.27	5.48		.5	12	0	FC53
993	7/31		U.S.G.S.	11.2	2.76	3.38	0.30	9.33		.5/.6	20	-.01	
994	8/8	0810 / 0822	WOOD	15.0	2.61	2.10	0.28	5.53		.5	12	0	FC53
995	8/14		U.S.G.S.	11.2	2.54	3.25	0.30	8.26		.5/.6	20	-.02	
996	8/21	0835 / 0850	WOOD	17.0	3.24	1.79	0.26	5.77		.5	11	0	FC53
997	8/28		U.S.G.S.	13.0	3.48	2.58	0.31	8.98		.5/.6	28	+.02	
998	9/2		"	16.0	3.07	1.38	0.27	4.19		.5	12	0	
999	9/4	0844 / 0900	WOOD	17.0	3.32	1.69	0.29	5.59		.5	12	0	FC57
1000	9/9		U.S.G.S.	15.7	3.78	2.51	0.30	9.67		.5/.6	30	0	
1001	9/9		"	16.0	3.22	1.90	0.27	6.33		.5	11	0	
1002	9/18	0817 / 0830	WOOD-WALTER	18.0	4.11	1.60	0.33	6.55		.5	12	-.01	FC57
1003	9/23		U.S.G.S.	16.0	3.19	1.25	0.33	4.01		.5	9	0	
1004	9/29		"	8.6	1.98	2.54	0.26	5.51		.5/.6	21	0	

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1005	10/2	0834 / 0848	WOOD	16.0	3.07	1.38	0.27	4.19		.5	12	0	FC57
1006	10/9	1546 / 1603	"	16.0	3.32	1.90	0.30	6.33		.5	11	0	"
1007	10/14		U.S.G.S.	6.0	1.39	1.44	0.16	2.01		.5	18	-.02	
1008	10/23	1550 / 1600	WOOD	16.0	3.19	1.25	0.28	4.01		.5	9	0	FC57
1009	10/31		U.S.G.S.	45.5	14.4	2.36	0.58	32.8		.5/.6	25	0	
1010	11/6	1612 / 1629	WOOD	32.0	10.8	2.82	0.58	30.5		.5/.6	15	0	FC57
1011	11/14		U.S.G.S.	44.0	15.5	1.39	0.50	21.6		.6	23	0	
1012	11/20	0843 / 0857	WOOD	19.0	4.45	1.57	0.35	6.97		.5	14	0	FC57
1013	12/1		U.S.G.S.	12.5	4.42	1.79	0.40	7.90		.5/.6	22	0	
1014	12/11	0850 / 0910	BOWMAN	12.0	3.54	1.33	0.36	4.71		.5	11	0	FC53
1015	12/17		U.S.G.S.	11.0	4.24	1.72	0.42	7.32		.5/.6	32	+.01	
1016	12/26	0836 / 0850	WOOD	11.0	3.12	1.44	0.35	4.51		.5	12	0	FC57
1017	12/30		U.S.G.S.	11.0	3.63	1.64	0.40	5.94		.5/.6	18	+.02	
1018	1/7	0830 / 0846	WALTER-WOOD	20.0	5.57	2.24	0.40	12.5		.5	10	0	FC57
1019	1/14		U.S.G.S.	22.0	5.33	2.89	0.41	15.4		.5	22	0	
1020	1/22	1614 / 1630	WOOD	39.0	15.7	2.20	0.64	34.6		.5/.6	12	0	FC57
1021	1/30		U.S.G.S.	43.0	17.4	2.29	0.65	39.9		.6	23	0	
1022	2/10		"	12.0	3.53	2.43	0.31	8.61		.5/.6	18	0	
1023	2/11		"	44.0	41.8	7.00	1.23	292.		.6	12	-.02	
1024	2/11		"	44.0	40.3	7.42	1.22	299.		.6	6	-.01	
1025	2/16		"	44.0	73.8	9.27	1.90	758.		.2	5		
1026	2/17	0824 / 0835	WOOD-WALTER	28.0	8.92	2.60	0.56	23.2		.5/.6	10	-.01	FC57
1027	2/26		U.S.G.S.	14.6	3.81	2.46	0.33	9.37		.5/.6	19	0	
1028	3/5	0833 / 0846	WOOD	20.0	4.17	1.26	0.33	5.24		.5	11	0	FC57
1029	3/19	0830 / 0841	"	17.0	3.79	1.33	0.34	5.04		.5	10	0	"
1030	3/26	0808 / 0818	"	19.0	4.79	1.48	0.38	7.08		.5	11	0	"
1031	3/30		U.S.G.S.	11.0	2.60	2.26	0.33	5.87		.5/.6	21	0	

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1032	4/2	0835 / 0848	WOOD	20.0	4.96	1.48	0.38	7.36		.5	11	-.01	FC57
1033	4/9	1540 / 1550	"	10.0	3.40	1.21	0.38	4.11		.5	8	0	"
1034	4/13		U.S.G.S.	18.0	7.00	0.87	0.40	6.07		.5/.6	21	0	
1035	4/23	1550 / 1559	WOOD	CHANNELS			0.39	3.93		.5	8	0	FC57
1036	4/29		U.S.G.S.	11.0	2.70	2.32	0.30	6.26		.5	26	0	
1037	5/7	1538 / 1550	WOOD	20.0	3.96	1.29	0.37	5.08		.5	10	0	FC57
1038	5/14		U.S.G.S.	13.0	3.14	2.58	0.36	8.09		.5	28	0	
1039	5/21	0835 / 0846	WOOD	15.0	2.95	1.60	0.27	4.73		.5	10	-.02	FC53
1040	5/29		U.S.G.S.	7.3	2.38	2.83	0.25	6.73		.5/.6	21	0	
1041	6/4	0830 / 0840	WOOD	12.0	2.46	1.65	0.26	4.07		.5	9	0	FC57
1042	6/11		U.S.G.S.	10.5	3.60	1.90	0.30	6.84		.5	23	0	
1043	6/18	1045 / 1100	BROOK	18.0	5.74	2.30	0.39	13.2		.5/.6	11	0	FC57
1044	6/25	0845 / 0903	PETERSEN-WOOD	17.0	7.72	2.96	0.48	22.9		.5/.6	10	0	"
1045	6/30		U.S.G.S.	20.0	8.41	2.86	0.50	24.0		.5/.6	25	0	
1046	7/9	0901 / 0919	WOOD	23.0	8.26	2.94	0.55	24.2		.5/.6	13	+.01	FC57
1047	7/14		U.S.G.S.	21.5	7.70	3.04	0.48	23.4		.5/.6	22	0	
1048	7/23	0835 / 0856	WOOD	22.0	7.70	2.64	0.49	20.4		.5	11	0	FC57
1049	8/6		U.S.G.S.	18.0	8.35	2.97	0.49	24.8		.5/.6	20	0	
1049a	8/6	0828 / 0840	WOOD	23.0	7.62	2.93	0.50	22.3		.5/.6	11	0	FC57
1950	8/12		U.S.G.S.	46.2	11.9	2.35	0.51	28.0		.5	28	0	
1951	8/20	0815 / 0833	WOOD	23.0	8.56	2.73	0.53	23.4		.5/.6	11	0	FC57
1952	8/27	0825 / 0838	"	19.0	7.79	2.84	0.51	22.1		.5/.6	10	+.01	"
1953	8/31		U.S.G.S.	19.0	7.90	2.66	0.56	21.0					
1954	9/10	0832 / 0844	WOOD	18.0	4.11	1.77	0.33	7.28		.5	10	0	FC57
1955	9/16		U.S.G.S.	15.0	2.68	1.78	0.24	4.77		.5	22	0	
1956	9/24	0813 / 0823	WOOD	16.0	3.08	1.71	0.27	5.28		.5	10	0	FC57

760T6M Gib 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. E5C-R

Daily discharge, in second-feet of LOS ANGELES RIVER below Sepulveda Dam, for the year ending September 30, 19 58

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	10	4.8	4.8	4.2	3.2	6.0	1520	10	7.4	9.7	10	3.2
2	8.9	24	4.8	4.2	55	6.0	185	10	7.4	10	9.7	3.2
3	8.9	51	4.2	4.8	828	6.7	2160	10	6.7	10	7.4	4.2
4	8.9	4.8	7.8	4.8	1910	7.4	301	10	6.7	8.9	8.1	4.8
5	8.9	6.0	207	4.8	93	7.4	87	10	7.4	8.1	8.9	4.8
6	8.9	4.8	11	4.8	16	27	496	9.7	6.7	8.1	8.9	4.8
7	8.9	4.2	4.2	4.8	8.1	8.1	943	8.1	6.7	6.7	8.9	12
8	8.9	4.2	3.7	5.4	16	7.4	96	8.9	6.7	6.7	7.4	5.4
9	9.7	4.2	3.7	5.4	6.7	7.4	52	9.7	6.7	6.0	7.4	7.4
10	9.7	3.7	3.7	21	6.0	7.4	32	10	6.7	7.4	6.7	7.4
11	99	3.7	3.7	4.8	6.0	13	20	8.9	6.7	8.1	6.7	7.4
12	21	3.7	4.2	4.8	6.7	8.1	18	8.9	7.4	8.9	7.4	6.0
13	12	3.7	4.8	4.8	6.7	8.8	12	10	8.9	6.7	8.9	6.0
14	96	4.2	4.8	4.2	5.4	156	9.7	9.7	9.7	6.7	8.9	4.8
15	6.7	4.2	1830	4.8	6.0	470	8.1	9.7	7.4	7.4	29	4.8
16	5.4	4.2	363	4.8	6.0	732	6.7	9.7	8.1	6.7	6.0	4.8
17	6.0	3.7	523	4.8	8.1	52	6.0	8.9	8.1	6.7	5.4	5.4
18	6.7	3.7	10	4.8	10	20	6.0	8.1	6.7	6.7	5.4	4.2
19	7.4	3.7	6.0	4.8	2200	7.4	5.4	7.4	6.0	7.4	6.7	2.8
20	27	3.2	6.0	5.4	54	183	5.4	6.7	6.0	6.0	6.7	3.2
21	78	3.2	6.0	5.4	8.9	208	6.0	8.1	6.0	6.7	6.0	2.8
22	18	3.7	6.0	4.8	6.0	494	7.4	8.1	6.0	6.0	6.0	2.8
23	8.9	4.2	5.4	5.4	5.4	51	7.4	8.1	6.7	5.4	6.0	3.2
24	6.7	4.2	5.4	23	4.8	24	8.9	8.1	8.9	5.4	6.0	3.2
25	6.0	6.0	5.4	138	832	12	9.7	8.1	8.9	6.0	5.4	3.7
26	6.0	5.4	6.0	243	39	8.1	9.7	7.4	8.9	6.7	5.4	4.2
27	4.8	5.4	6.0	11	8.1	379	9.7	7.4	8.9	6.0	6.0	5.4
28	4.8	5.4	6.0	3.7	9.5	31	10	8.1	9.7	6.7	7.4	5.4
29	4.2	4.8	6.0	2.8		9.7	12	10	8.1	7.4	7.4	6.7
30	4.8	4.8	6.0	18		14	14	12	9.7	8.9	6.0	6.0
31	7.4		4.8	3.7		32		8.1		9.7	3.2	
	528.5		3073.4		6164.6		6064.1		2259		2393	
		196.8		571.0		3003.9		277.9		227.8		150.0
MEAN	17.0	6.56	99.1	18.4	220.	96.9	202.	8.96	7.53	7.35	7.72	5.00
ACRE-FEET	1050.	390.	6100.	1130.	12,230.	5960.	12,030.	551.	448.	452.	475.	298.

Remarks:

YEAR OR PERIOD MEAN 56.8
ACRE-FEET 41,110.

760T6M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. E5C-R

Daily discharge, in second-feet of LOS ANGELES RIVER below Sepulveda Dam, for the year ending September 30, 1959

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4.2	3.2	7.4	4.2	4.1	6.7	6.0	6.0	5.4	21	22	14
2	4.2	3.1	7.4	4.2	4.1	6.7	6.0	5.4	6.0	21	24	16
3	4.2	3.1	5.4	4.8	4.2	7.4	6.0	5.4	4.8	21	24	16
4	4.8	3.1	4.8	4.8	4.4	6.7	4.8	5.4	4.2	21	25	20
5	4.2	3.1	4.8	8.8	4.4	6.0	4.8	5.4	4.8	21	26	20
6	4.2	3.1	4.8	1670	4.4	6.7	4.8	5.4	3.7	21	25	21
7	4.8	3.2	4.2	14	3.6	7.4	4.8	3.7	3.2	21	25	14
8	4.8	3.2	4.2	5.4	132	6.0	4.8	3.7	3.2	21	25	10
9	5.4	3.2	4.2	4.8	9.7	6.7	4.8	3.7	3.2	21	25	9.7
10	5.4	3.2	5.4	4.8	12	4.8	6.7	3.7	4.8	22	25	7.4
11	5.4	3.2	4.8	4.8	640	5.4	6.0	4.8	6.0	22	26	3.2
12	6.0	3.1	4.8	6.7	40	4.8	6.0	6.7	4.8	24	26	2.8
13	7.4	2.6	4.8	16	8.9	4.8	6.7	7.4	3.7	24	24	2.8
14	8.1	2.1	4.8	16	10	4.8	9.7	6.7	3.2	24	24	4.8
15	8.1	2.1	4.8	16	12	4.8	9.7	6.0	3.2	26	22	4.8
16	8.1	1.6	6.0	18	697	4.2	7.4	6.0	4.2	26	21	3.7
17	8.1	1.6	6.0	31	37	4.8	7.4	6.0	4.2	25	21	4.2
18	7.4	1.6	4.8	31	29	4.8	7.4	6.0	1.2	24	22	4.2
19	6.7	7.4	3.2	30	7.4	4.2	6.7	6.0	1.4	24	24	4.2
20	6.0	6.0	3.2	31	5.4	4.2	6.7	6.7	1.4	24	24	3.7
21	6.0	6.7	3.2	39	366	4.2	7.4	4.8	1.4	21	20	3.7
22	5.4	6.7	3.2	36	43	4.2	7.4	4.2	1.4	21	19	3.7
23	5.4	6.0	4.2	37	8.1	4.2	6.0	4.2	2.0	22	18	4.2
24	11	6.0	4.2	39	8.9	3.7	4.8	4.2	2.1	24	20	4.8
25	3.2	6.7	4.8	41	8.1	4.2	3.1	4.8	2.2	25	21	3.7
26	3.0	6.7	4.8	41	8.9	5.4	3.4	5.4	2.4	26	22	3.7
27	3.0	7.4	4.8	42	8.1	5.4	6.0	6.0	2.2	28	22	3.2
28	3.4	7.4	4.8	42	7.4	5.4	6.0	6.0	2.1	28	20	3.2
29	3.4	7.4	4.8	42		5.4	6.0	5.4	2.1	28	19	3.2
30	3.4	7.4	4.2	41		6.0	6.0	4.8	2.1	26	16	3.2
31	3.2		4.2	41		6.0		4.8		25	14	
	371.3		147.0		2390.9		241.8		312.6		691	
		575.8		2446.5		166.0		164.7		728		223.1
MEAN	12.0	19.2	4.74	78.9	85.4	5.35	8.06	5.31	10.4	23.5	22.3	7.44
ACRE-FEET	736.	1140.	292.	4850.	4740.	329.	480.	327.	620.	1440.	1370.	443.

Remarks:

YEAR OR PERIOD MEAN 23.2
ACRE-FEET 16,770

STATION F299-R
LOS ANGELES RIVER at Radford Avenue

LOCATION: WATER-STAGE RECORDER. LAT. 34°08'51", LONG. 118°23'30". ON THE LEFT (NORTH) CHANNEL WALL, 120 FEET BELOW RADFORD AVENUE BRIDGE. ELEVATION OF ZERO GAGE HEIGHT, 572.44 FEET.

DRAINAGE AREA: 183.0 SQUARE MILES.

CHANNEL AND CONTROL: RECTANGULAR CONCRETE CHANNEL 60 FEET WIDE AND 15 FEET DEEP. CHANNEL FORMS CONTROL.

DISCHARGE MEASUREMENTS. LOW FLOWS MEASURED BY WADING.

RECORDER: A STEVENS TYPE A-35B CONTINUOUS RECORDER IN SERVICE FROM OCTOBER 1, 1957 TO SEPTEMBER 30, 1959.

REGULATION AND/OR DIVERSIONS: SUBJECT TO SAME REGULATION AS STATION E5C-R.

RECORDS AVAILABLE: RECORDER RECORDS FROM FEBRUARY 21, 1950 TO SEPTEMBER 30, 1959.

PURPOSE: FOR HYDRAULIC STUDIES ONLY. HIGH FLOW DISCHARGE MEASUREMENTS ARE NOT MADE NOR DAILY FLOWS COMPUTED.

OPERATION: LOCATED AND CONSTRUCTED BY THE CORPS OF ENGINEERS, DEPARTMENT OF THE ARMY. OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT IN COOPERATION WITH THE CORPS OF ENGINEERS, DEPARTMENT OF THE ARMY.

STATION F300-R
LOS ANGELES RIVER at Tujunga Avenue

LOCATION: WATER-STAGE RECORDER, LAT. 34°08'28", LONG. 118°22'44", ON THE LEFT (NORTH) CHANNEL WALL 200 FEET ABOVE TUJUNGA AVENUE BRIDGE, ELEVATION OF ZERO GAGE HEIGHT 549.08 FEET.

DRAINAGE AREA: 408 SQUARE MILES.

CHANNEL AND CONTROL: RECTANGULAR CONCRETE CHANNEL 120 FEET WIDE AND 15 FEET DEEP WITH A RECTANGULAR INVERT 12 FEET WIDE AND 3.17 FEET DEEP. INVERT HAS A VENTURI CONTROL SECTION 30 FEET BELOW STATION.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED BY CABLE CAR AT GAGE.

RECORDER: A STEVENS TYPE A-35B CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1957 TO SEPTEMBER 30, 1959.

REGULATION AND/OR DIVERSIONS: SUBJECT TO SAME REGULATION AS STATION E5C-R AND STATION F105B-R, AND IN ADDITION, FLOW IS REGULATED BY PACOIMA DAM AND PACOIMA SPREADING GROUNDS.

RECORDS AVAILABLE: MAY 8, 1950 TO SEPTEMBER 30, 1959.

EXTREMES OF DISCHARGE:

1957-58
- MAXIMUM 10800 SECOND-FEET APRIL 3.
- MINIMUM 3.8 SECOND-FEET NOVEMBER 13.

1958-59
- MAXIMUM 12760 SECOND-FEET JANUARY 6.
- MINIMUM 4.8 SECOND-FEET JANUARY 2.

1950-59
- MAXIMUM 13220 SECOND-FEET JANUARY 15, 1952.
- MINIMUM 2.3 SECOND-FEET VARIOUS TIMES IN 1950-51.

ACCURACY: GOOD.

OPERATION: LOCATED AND CONSTRUCTED BY THE CORPS OF ENGINEERS, DEPARTMENT OF THE ARMY, OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT IN COOPERATION WITH THE CORPS OF ENGINEERS, DEPARTMENT OF THE ARMY.

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER

AT NEAR Tujunga Avenue DURING THE YEAR ENDING SEPTEMBER 30, 19 58

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
476	10/3	1222 / 1240	BOWMAN	12.0	8.12	1.35	0.76	12.3		.6	15	0	FC53
477	10/10	1230 / 1250	"	12.0	8.51	1.47	0.80	12.1		.6	15	-.01	"
478	10/12	1315 / 1325	BLAKELY	12.0	9.88	2.03	0.97	20.1		.6	8	-.01	FC24
479	10/14	1234 / 1240	BLAKELY-SALGADO	12.0	9.97	6.70	1.95	66.9		.6	8	-.56	"
480	10/17	1130 / 1136	ROY	12.0	5.86	1.62	0.58	9.5		.6	11	0	FC53
481	10/24	1512 / 1530	BOWMAN	12.0	6.96	1.61	0.69	11.2		.6	15	-.06	"
482	10/31	1234 / 1250	ROY	12.0	10.4	1.96	0.98	20.5		.6	11	0	"
483	11/3	1523 / 1528	BOWMAN-BLAKELY	12.0	8.58	1.73	0.83	14.8		.6	15	-.06	FC24
484	11/7	1300 / 311	ROY	12.0	2.87	1.53	0.37	4.4		.5 .6	11	0	FC53
485	11/14	1105 / 1120	"	12.0	3.21	1.43	0.38	4.6		.5 .6	11	0	"
486	11/21	1237 / 1251	WOOD-BLAKELY	6.2	2.36	1.86	0.32	4.4		.5	9	0	"
487	11/27	0909 / 0926	WOOD	12.0	4.15	1.49	0.44	6.2		.5	13	0	"
488	12/5	1038 / 1044	WOOD-BOWMAN	12.0	26.1	3.05	2.27	79.6		.6	8	-.01	FC57
489	12/6	0904 / 0922	" "	12.0	8.20	1.84	0.81	15.1		.6	13	-.02	"
490	12/12	1132 / 1153	WOOD	12.0	4.62	1.52	0.46	7.0		.5	13	0	FC53
491	12/15	1018 / 1040	WOOD-BLAKELY	120.0	176.	9.20	4.29	1620.		.6	17	-.15 +.05	FC57
492	12/17	1636 / 1647	WOOD	12.0	23.8	2.65	2.04	63.0		.6	13	-.05	FC34
493	12/18	1110 / 1127	"	12.0	7.95	1.96	0.79	15.6		.6	13	-.02	"
494	12/19	1303 / 1319	"	12.0	5.57	1.67	0.58	9.3		.5	13	0	FC53
495	12/26	1202 / 1217	"	12.0	4.64	1.60	0.52	7.4		.5	13	-.03	"
496	1/2	0954 / 1011	"	12.0	4.70	1.58	0.50	7.4		.5	13	0	"
497	1/9	1226 / 1239	"	12.0	5.50	1.60	0.56	8.8		.5	9	0	"
498	1/16	1125 / 1137	"	12.0	4.96	1.56	0.51	7.8		.5	9	0	"
499	1/27	1027 / 1048	TWITTY-BLAKELY	12.0	9.60	1.66	0.87	15.9		.6	13	-.02	FC57
500	1/30	1539 / 1554	WOOD	12.0	14.2	1.96	1.23	27.8		.6	9	-.05	"
501	2/3	0435 / 0525	WOOD-TWITTY	120.0	292.	11.7	5.23	3420.		.6	17	-.84	"
502	2/4	1137 / 1202	" "	120.0	214.	10.7	4.69	2290.		.6	17	-.14	"
503	2/6	0908 / 0917	" "	12.0	9.55	1.88	0.98	18.0		.6	9	0	"
504	2/6	0948 / 0954	" "	12.0	18.6	2.59	1.70	48.2		.6	6	-.10	"
505	2/13	1622 / 1633	WOOD	12.0	5.64	1.65	0.59	9.3		.5	8	0	FC53
506	2/19	0546 / 0618	WOOD-TWITTY	120.0	408.	14.6	6.22	5970.		.6	17	+.09	FC57
507	2/19	0945 / 1029	" "	120.0	485.	15.6	6.99	7560.	FLOATS	.6	17	+.20 -.27	"
508	2/20	1115 / 1128	" "	12.0	19.3	2.30	1.66	44.4		.6	7	0	"
509	2/25	0834 / 0851	WOOD	120.0	215.	10.9	4.62	2340.		.6	13	-.19	"
510	2/27	0956 / 1008	"	12.0	8.58	1.62	0.80	13.9		.6	9	0	"
511	3/6	1118 / 1130	"	12.0	14.2	2.16	1.31	31.0		.6	9	-.04	"
512	3/13	0903 / 0913	"	12.0	6.85	1.84	0.72	12.6		.6	9	0	FC53
513	3/16	0023 / 0048	WOOD-TWITTY	120.0	285.	12.5	5.34	3560.		.6	17	-.07	FC57
514	3/16	0334 / 0351	" "	120.0	194.	10.8	4.46	2100.		.6	13	-.17	FC34
515	3/17	0920 / 0925	WOOD	12.0	36.6	4.00	2.98	146.		.6	5	+.03	"
516	3/17	0927 / 0935	"	12.0	36.0	3.72	3.01	134.		.6	5	+.04	"
517	3/18	0826 / 0839	"	12.0	19.2	2.41	1.69	46.3		.6	9	0	"
518	3/20	1049 / 1100	"	12.0	9.50	1.60	0.85	15.2		.6	9	0	FC57
519	3/20	2038 / 2053	WOOD-TWITTY	120.0	170.	9.71	4.26	1650.		.6	13	-.03	FC57
520	3/21	1005 / 1013	WOOD	12.0	22.2	3.88	2.28	86.3		.6	7	0	"
521	3/22	2252 / 0011	BLAKELY-TWITTY	120.0	292.	12.6	5.16	3690.		.6	13	+.40	"
522	3/24	0818 / 0829	WOOD	12.0	15.1	2.21	1.41	33.4		.6	9	-.01	"
523	3/27	1029 / 1048	"	120.0	254.	11.6	5.01	2960.		.6	15	+.47	"
524	3/27	1107 / 1134	"	120.0	304.	13.0	5.42	3960.		.6	14	-.39	"
525	3/28	1609 / 1618	"	12.0	17.3	2.44	1.51	42.3		.6	9	0	"
526	4/1	0744 / 0801	WOOD-TWITTY	120.0	232.	11.8	4.66	2740.		.6	13	-.07	"
527	4/1	1116 / 1134	" "	120.0	249.	12.4	4.95	3090.		.6	13	+.46	"
528	4/1	1214 / 1235	" "	120.0	313.	13.7	5.62	4280.		.6	13	0	"
529	4/3	0457 / 0516	" "	120.0	344.	14.0	5.90	4810.		.6	13	+.14	"
530	4/3	0707 / 0755	" "	120.0	533.	17.7	7.18	9420.		.6	13	-.61	"
531	4/4	0933 / 0958	WOOD	120.0	179.	10.8	4.31	1930.		.6	17	0	FC34
532	4/6	1153 / 1209	WOOD-TWITTY	120.0	355.	15.2	5.94	5380.		.6	13	-.06	FC57
533	4/7	0137 / 0154	" "	120.0	287.	13.0	5.14	3720.		.6	13	+.03 -.10	FC34
534	4/7	0955 / 1011	" "	120.0	211.	11.9	4.50	2520.		.6	13	-.03	"
535	4/16	1253 / 1303	WOOD	12.0	12.9	1.85	1.10	23.9		.6	9	0	FC57
536	4/17	0913 / 0925	"	12.0	10.5	1.70	0.90	17.8		.6	9	0	"
537	4/18	0829 / 0840	"	12.0	10.5	1.67	0.89	17.5		.6	9	0	"
538	4/24	0914 / 0925	"	12.0	16.3	2.08	1.40	34.0		.6	9	0	"
539	5/1	0952 / 1005	"	12.0	20.1	2.35	1.73	47.2		.6	9	0	"
540	5/8	1051 / 1103	"	12.0	23.4	2.62	1.97	61.2		.6	9	0	"
541	5/15	0956 / 1010	"	12.0	18.7	2.30	1.65	43.0		.6	9	0	"
542	5/22	1049 / 1105	"	12.0	16.6	2.29	1.51	38.0		.6	9	0	FC34
543	5/29	0950 / 1003	"	12.0	18.4	2.32	1.59	42.8		.6	9	-.02	FC57
544	6/5	1107 / 1116	"	12.0	12.7	1.85	1.12	23.5		.6	9	0	"
545	6/12	0955 / 1006	"	12.0	13.6	1.90	1.17	25.8		.6	9	+.02	"
546	6/19	1046 / 1057	"	12.0	6.97	1.45	0.64	10.1		.5	9	0	"
547	6/26	0956 / 1007	"	12.0	11.4	1.84	1.00	21.0		.6	9	0	"
548	7/3	0935 / 0946	WOOD	12.0	8.03	1.46	0.69	11.9		.6	9	0	"
549	7/10	0923 / 0933	"	12.0	7.94	1.58	0.72	12.5		.6	9	0	"
550	7/17	0916 / 0927	"	12.0	7.56	1.51	0.68	11.4		.6	9	+.06	"
551	7/24	0945 / 0957	"	12.0	5.98	1.46	0.56	8.7		.5	9	0	FC53
552	7/31	0950 / 1000	"	12.0	6.10	1.44	0.58	8.8		.5	9	0	"
553	8/8	0946 / 1002	"	12.0	5.82	1.32	0.53	7.7		.5	9	0	"
554	8/14	0916 / 0927	"	12.0	8.44	1.45	0.75	12.2		.6	9	+.01	"
555	8/21	1152 / 1102	"	12.0	6.96	1.47	0.64	10.2		.6	9	0	FC57
556	8/28	0935 / 0947	"	12.0	7.15	1.44	0.63	10.3		.6	9	0	"
557	9/4	1032 / 1043	"	12.0	7.69	1.46	0.68	11.2		.6	9	0	"
558	9/11	1018 / 1027	"	12.0	6.32	1.34	0.56	8.5		.5 .6	9	0	"
559	9/18	1031 / 1051	WALTER-WOOD	12.0	6.82	1.38	0.60	9.4		.5 .6	9	+.02	"
560	9/25	1003 / 1015	WOOD	12.0	6.90	1.46	0.62	10.1		.6	9	-.03	"

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER

AT NEAR Tujunga Avenue DURING THE YEAR ENDING SEPTEMBER 30, 19 59

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
561	10/2	0958 / 1010	WOOD	12.0	6.06	1.39	0.54	8.4		.5	9	-.04	FC57
562	10/9	1028 / 1038	"	12.0	6.88	1.44	0.61	9.9		.5	9	0	"
563	10/16	1009 / 1021	"	12.0	7.13	1.43	0.62	10.2		.6	9	-.02	"
564	10/23	0847 / 0857	"	12.0	5.13	1.25	0.46	6.4		.5	9	0	"
565	10/30	1121 / 1139	"	12.0	16.1	2.18	1.43	35.0		.6	9	0	"
566	11/6	1006 / 1017	"	12.0	16.3	2.02	1.39	32.9		.6	9	0	"
567	11/13	1007 / 1018	"	12.0	15.0	1.98	1.28	29.8		.6	9	0	"
568	11/20	1006 / 1017	"	12.0	6.51	1.35	0.59	8.8		.5 .6	9	0	"
569	11/26	0933 / 0945	"	12.0	7.05	1.38	0.62	9.7		.6	9	-.01	"
570	12/4	0917 / 0928	"	12.0	5.65	1.24	0.51	7.0		.5	9	0	"
571	12/11	1016 / 1036	BOWMAN	12.0	5.99	1.08	0.53	6.5		.5	13	0	FC53
572	12/18	0920 / 0930	WOOD	12.0	6.67	1.02	0.60	6.7		.6	9	0	FC57
573	12/26	0954 / 1004	"	12.0	6.85	0.82	0.61	5.6		.6	9	0	"
574	1/2	1325 / 1333	BLAKELY	12.0	7.98	0.63	0.68	5.0		.6	8	0	FC24
575	1/6	0135 / 0234	WOOD-WALTER	120.0	434.	14.8	6.50	6430.		.6	17	+.33	FC57
576	1/7	1238 / 1303	WALTER-WOOD	12.0	9.01	1.91	0.90	17.2		.6	13	0	FC57
577	1/8	0946 / 0959	WOOD	12.0	5.43	1.47	0.53	8.0		.5	9	0	"
578	1/15	0935 / 0945	"	12.0	9.34	1.64	0.83	15.3		.6	9	0	"
579	1/22	0935 / 0944	"	12.0	18.1	2.21	1.55	40.0		.6	9	0	"
580	1/29	0909 / 0908	"	12.0	18.9	2.20	1.62	41.6		.6	9	0	"
581	2/5	0922 / 0938	"	12.0	18.7	2.30	1.61	43.2		.6	9	0	"
582	2/9	0955 / 1012	WALTER	12.0	6.31	1.44	0.60	9.1		.5	9	-.01	"
583	2/11	0242 / 0258	WOOD-WALTER	120.0	239.	11.0	4.88	2630.		.6	14	-.07	"
584	2/12	1026 / 1044	WALTER-WOOD	12.0	15.8	2.44	1.52	38.5		.6	9	-.07 -.04	"
585	2/16	1323 / 1337	WOOD-WALTER	120.0	215.	11.0	4.69	2360.		.6	13	-.02	"
586	2/17	1008 / 1019	WALTER-WOOD	12.0	16.2	2.04	1.41	33.0		.6	9	-.02	"
587	2/19	0948 / 1000	WOOD	12.0	9.05	1.70	0.82	15.4		.6	9	-.02	"
588	2/21	1030 / 1047	WOOD-WALTER	120.0	229.	11.3	4.80	2590.		.6	15	-.09	"
589	2/22	1328 / 1345	WALTER	12.0	11.6	1.79	1.00	20.8		.6	9	0	"
590	2/26	0939 / 0949	WOOD	12.0	7.15	1.45	0.63	10.4		.6	9	0	"

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	S. HT. CHANGE TOTAL	METER NO.
591	3/5	1020 / 1030	WOOD	12.0	5.82	1.34	0.53	7.8		.5	9	0	FC57
592	3/12	1453 / 1503	"	12.0	5.26	1.34	0.46	7.0		.5	9	0	"
593	3/19	1003 / 1013	"	12.0	5.53	1.32	0.49	7.3		.5	9	-.01	"
594	3/26	0954 / 1005	"	12.0	6.76	1.42	0.60	9.7		.5	9	0	"
595	4/2	1018 / 1030	"	12.0	8.37	1.52	0.73	12.7		.6	9	0	"
596	4/9	1410 / 1420	"	12.0	4.81	1.12	0.44	5.4		.5	9	0	"
597	4/16	0956 / 1007	"	12.0	5.82	1.20	0.54	7.0		.5	9	0	"
598	4/23	1423 / 1433	"	12.0	5.97	0.97	0.54	5.8		.5	9	0	"
599	4/30	1000 / 1008	"	12.0	4.70	1.34	0.43	6.3		.6	9	-.02	FC53
600	5/7	1420 / 1430	"	12.0	5.23	1.30	0.47	6.8		.5	9	0	FC57
601	5/14	1122 / 1132	BROOK-WOOD	12.0	5.80	1.31	0.51	7.6		.5	9	0	"
602	5/21	1110 / 1120	WOOD	12.0	5.25	1.33	0.47	7.0		.5	9	0	"
603	5/28	1009 / 1018	"	12.0	4.93	1.30	0.44	6.4		.5	9	-.01	"
604	6/4	1010 / 1020	"	12.0	5.43	1.34	0.49	7.3		.5	9	-.01	"
605	6/11	1111 / 1122	BROOK	12.0	6.55	1.37	0.57	9.0		.5 / .6	9	0	"
606	6/18	1215 / 1228	BROOK	12.0	9.85	1.52	0.84	15.0		.6	9	0	FC57
607	6/25	1053 / 1107	PETERSEN-WOOD	12.0	13.0	1.87	1.13	24.5		.6	9	0	"
608	7/2	1035 / 1045	WOOD	12.0	13.4	1.94	1.17	26.0		.6	9	0	"
609	7/9	1055 / 1105	"	12.0	14.1	1.98	1.23	27.8		.6	9	0	"
610	7/16	1009 / 1023	"	12.0	14.3	1.96	1.23	27.9		.6	9	0	"
611	7/23	1107 / 1116	"	12.0	13.4	1.84	1.15	24.6		.6	9	0	"
612	7/30	1001 / 1012	"	12.0	13.0	1.94	1.16	25.1		.6	9	0	FC53
613	8/6	1108 / 1120	"	12.0	13.7	1.88	1.20	25.8		.6	9	0	FC 57
614	8/13	1041 / 1050	"	12.0	12.8	1.70	1.12	21.7		.6	9	0	"
615	8/20	1028 / 1042	"	12.0	14.1	1.82	1.22	25.8		.6	9	-.01	"
616	8/27	1246 / 1258	"	12.0	13.4	1.81	1.18	24.2		.6	9	-.02	"
617	9/3	1005 / 1015	"	12.0	12.4	1.76	1.10	21.8		.6	9	0	"
618	9/10	1017 / 1027	"	12.0	6.72	1.44	0.82	9.7		.6	9	0	"
619	9/17	0937 / 0947	"	12.0	4.19	1.24	0.41	5.2		.5	9	0	"
620	9/24	1015 / 1025	"	12.0	5.25	1.34	0.50	7.0		.5	9	0	"

76DT4M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F300-R

Daily discharge, in second-feet of LOS ANGELES RIVER at Tujunga Avenue, for the year ending September 30, 19 58

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	132	74	57	81	93	22	2540	43	31	110	91	85
2	132	66	63	77	130	125	332	42	34	112	89	87
3	140	90	57	81	1170	115	3530	41	37	118	65	95
4	138	81	34	79	2500	133	1550	47	33	105	67	93
5	130	90	456	75	114	130	1080	49	23	118	71	89
6	128	55	165	85	20	29	1510	53	23	120	81	95
7	125	45	81	85	133	132	1690	48	27	118	83	130
8	128	43	69	87	24	125	b774	b 61	26	122	77	85
9	135	46	69	89	134	115	345	58	25	118	95	73
10	135	41	69	25	112	44	212	55	25	120	87	73
11	345	40	69	87	105	26	164	52	25	125	89	75
12	34	41	71	81	112	22	170	49	26	132	100	71
13	57	38	69	81	112	168	173	46	27	108	122	73
14	185	43	69	77	98	198	122	43	28	105	105	63
15	112	41	1950	83	98	784	69	b 43	25	110	29	63
16	95	57	534	79	95	879	b 25	42	162	85	98	69
17	93	50	675	77	98	109	180	50	98	91	89	73
18	87	50	170	75	98	47	189	49	108	85	95	79
19	61	46	98	73	2820	39	187	44	105	91	98	69
20	78	48	89	75	70	280	152	37	108	77	110	65
21	59	45	a 87	77	164	374	160	37	98	85	95	61
22	168	48	86	77	115	684	148	37	91	95	93	61
23	115	67	84	77	100	59	140	49	100	95	95	134
24	100	63	83	32	98	32	32	50	122	83	93	117
25	89	77	82	292	1110	25	35	47	108	85	95	80
26	87	75	a 81	463	39	30	36	42	148	85	98	65
27	77	69	73	192	145	591	36	39	25	79	108	65
28	75	65	a 75	a 110	123	58	39	39	152	75	108	65
29	55	55	77	a 80		33	44	42	115	77	112	73
30	59	50	79	a 60		46	37	38	118	85	110	65
31	186		a 80	102		88		34		85	85	
		3113		1096.2		4603.3		1406.0		3099		2391
	10362		3864.2		8200.3		14680.6		6033		309.4	
MEAN	33.4	10.4	125.	35.3	293.	148.	489.	45.3	20.1	10.0	9.98	7.97
ACRE-FEET	2060.	617.	7660.	2170.	16,260.	9130.	29,120.	2790.	1200.	615.	614.	474

Remarks:

YEAR OR PERIOD MEAN 100.
ACRE-FEET 72,710.

76DT4M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

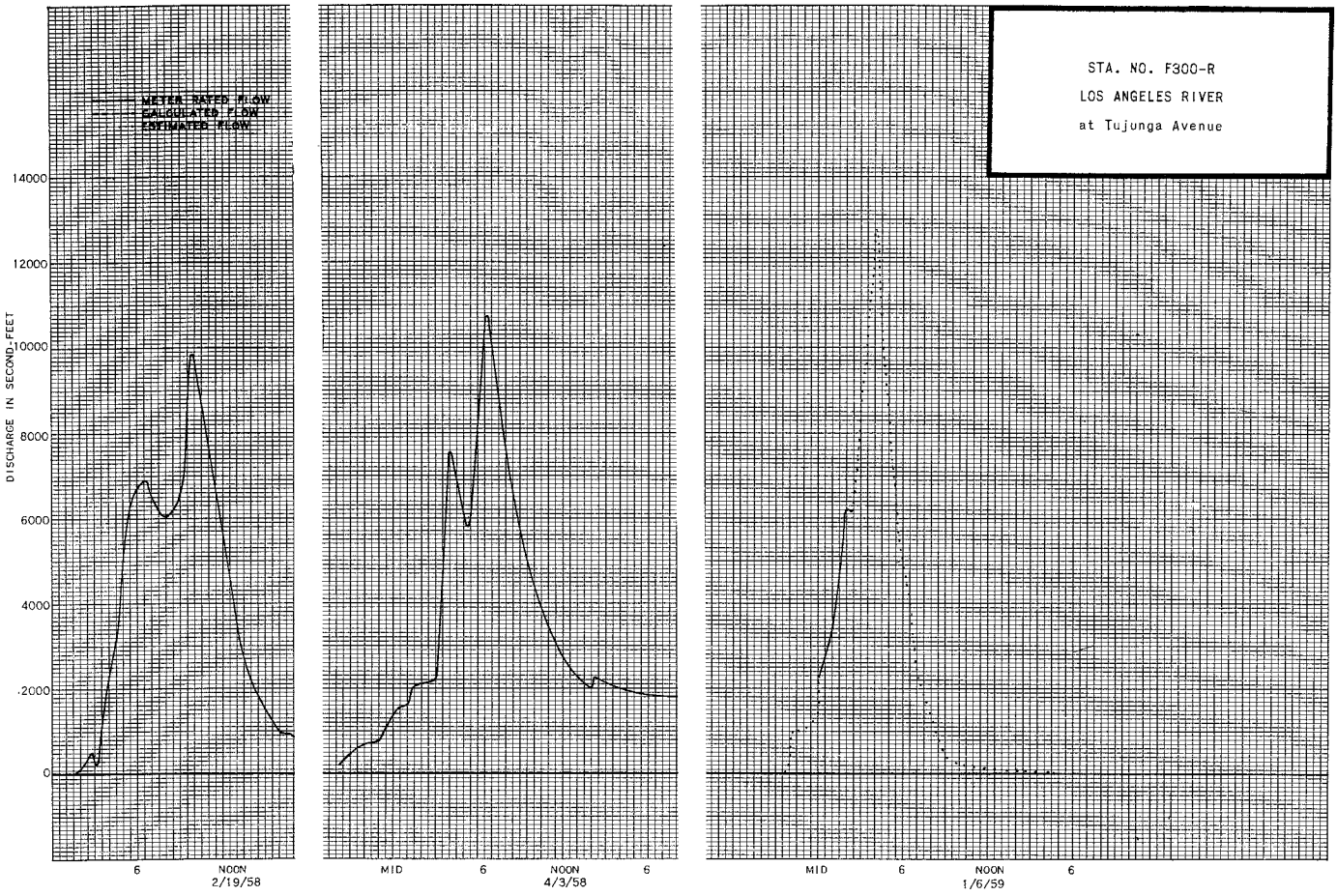
Sta. No. F300-R

Daily discharge, in second-feet of LOS ANGELES RIVER at Tujunga Avenue, for the year ending September 30, 19 59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	71	35	87	50	42	79	83	63	63	25	25	20
2	67	34	87	48	42	81	85	61	75	25	24	21
3	66	33	81	50	44	92	95	59	67	25	24	21
4	93	33	73	52	44	81	75	63	67	24	25	22
5	83	33	77	124	43	83	73	71	73	23	26	21
6	87	34	69	2020	43	81	69	77	65	23	26	21
7	91	34	73	183	46	96	63	69	61	23	24	158
8	87	34	67	87	304	89	63	79	55	25	24	115
9	102	34	67	75	105	85	67	71	55	26	23	112
10	93	36	69	67	146	79	72	63	65	25	23	100
11	87	35	67	65	974	92	75	65	77	25	23	93
12	85	34	69	71	43	71	61	81	71	24	23	98
13	85	29	67	152	116	75	65	85	63	24	22	91
14	83	25	67	165	102	71	89	73	55	25	22	81
15	91	24	59	155	31	69	95	61	59	25	22	71
16	98	195	69	170	1000	63	73	63	71	27	22	52
17	98	185	79	29	49	77	71	61	77	27	22	57
18	75	190	73	30	53	73	71	57	145	25	23	59
19	67	118	63	30	158	71	66	61	160	25	24	57
20	69	93	57	32	112	75	65	69	170	25	25	50
21	85	93	59	39	502	73	65	67	165	24	24	52
22	83	95	57	39	45	71	63	65	175	25	23	59
23	76	93	55	40	118	73	61	65	24	25	23	67
24	20	95	59	43	104	69	65	55	24	25	23	69
25	29	95	57	43	95	73	109	59	24	25	23	61
26	28	100	59	42	100	85	73	65	26	25	24	53
27	28	93	55	42	91	85	65	65	25	25	24	53
28	34	98	55	42	89	75	67	63	24	26	23	57
29	35	87	53	42		75	65	63	25	26	22	53
30	35	89	52	42		71	65	63	25	26	22	61
31	35		52	41		83		59		26	22	
	4362		2033		3438.6		3812		3904		7250	
		6589		2919.0		2416		2041		7740		3039
MEAN	14.1	22.0	6.56	94.2	123.	7.79	12.7	6.58	13.0	25.0	23.4	10.1
ACRE-FEET	865.	1310.	403.	5790.	6820.	479.	756.	405.	774.	1540.	1440.	603.

Remarks:

YEAR OR PERIOD MEAN 29.2
ACRE-FEET 21,180.



STATION F300-R
LOS ANGELES RIVER at Mariposa Street

LOCATION: WATER-STAGE RECORDER, LAT. 34°09'17", LONG. 118°18'40", ON THE LEFT (NORTH) CHANNEL WALL ABOUT 60 FEET EAST FROM THE CENTER LINE OF MARIPOSA STREET EXTENDED, AND ABOUT TWO MILES SOUTHEAST OF BURBANK. ELEVATION OF ZERO GAGE HEIGHT, 468.61 FEET.

DRAINAGE AREA: 430 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - CONCRETE , 130 FEET WIDE WITH 18-FOOT VERTICAL SIDE WALLS. BOTTOM FORMS A REGULAR TRAPEZOIDAL SECTION 130 FEET X 82 FEET X 1.1 FEET WITH 0.5 FOOT FILLETS.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM EQUESTRIAN BRIDGE 70 FEET ABOVE STATION.

RECORDER: AN H.C.F RECORDER WAS IN SERVICE FROM OCTOBER 1, 1957 TO FEBRUARY 10, 1959. AN AU RECORDER FROM FEBRUARY 10, 1959 TO SEPTEMBER 30, 1959.

REGULATION: SUBJECT TO SAME REGULATION AS STATION F300-R.

DIVERSIONS: THE LOS ANGELES WATER DEPARTMENT DIVERTS FLOW FOR SPREADING ABOVE THE STATION.

RECORDS AVAILABLE: FROM DECEMBER 20, 1938 TO SEPTEMBER 30, 1959.

EXTREMES OF DISCHARGE:

1957-58
MAXIMUM 11,510 SECOND-FEET APRIL 3.
MINIMUM NO FLOW NOVEMBER 26 TO 30.

1958-59
MAXIMUM 12,380 SECOND-FEET JANUARY 6.
MINIMUM NO FLOW AT VARIOUS TIMES DURING OCTOBER.

1938-59
MAXIMUM 12740 SECOND-FEET JANUARY 18, 1952.
MINIMUM NO FLOW AT TIMES WHEN LOS ANGELES WATER DEPARTMENT IS DIVERTING FLOW.

ACCURACY: POOR.

OPERATION: LOCATED AND CONSTRUCTED BY THE CORPS OF ENGINEERS, DEPARTMENT OF THE ARMY AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT IN CONJUNCTION WITH THE CORPS OF ENGINEERS, DEPARTMENT OF THE ARMY.

78D764M Cdb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F266-R

Daily discharge, in second-feet of LOS ANGELES RIVER at Mariposa Street, for the year ending September 30, 1958

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	7.0	b 6.0	b 9.0	b 10.0	e 28	2950 e	b 1.0	b 0.8	b 12.0	b 9.0	b 0.5
2	0	73	b 6.0	9.1	e158	e 16.0	2400	1.0	0.7	12.0	5.0	0.5
3	0	87	b 6.0	9.3	1370 e	b 12.0	4030	1.0	0.6	12.0	2.0	0.5
4	0	13.0	28	9.4	2900 e	e 17.2	1800	1.0	0.6	12.0	+	0.5
5	0	11.0	615	9.6	e140	b 12.0	1270	1.0	0.5	12.0		0.6
6	0	9.0	b 10.0	9.7	25	e 36	1790	1.0	0.5	13.0		0.8
7	0	f 6.2	7.5	9.8	17.0	b 12.0	1990 e	1.0	0.6	13.0		1.0
8	0	6.2	7.5	9.9	30	b 12.0	e 930	1.0	0.7	13.0	+	1.1
9	0	3.5	7.5	b 10.0	e 17.0	b 12.0	410	0.9	0.7	13.0	0.8	1.3
10	0	2.5	7.5	e 32	b 11.0	e 55	255	0.8	0.8	13.0	0.5	1.4
11	380	0	7.5	b 11.0	11.0	33	225	0.8	0.9	13.0	0.9	1.5
12	38	0	7.5	10.0	11.0	28	208	0.7	1.0	13.0	1.5	1.5
13	52	0	7.5	9.5	11.0	22	210	0.6	1.0	13.0	1.8	1.5
14	177	f 3.5	b 7.5	9.0	10.0	240	150	0.6	1.0	13.0	1.5	1.5
15	11.0	b 6.5	2040	8.5	10.0	940	85	0.5	1.0	13.0	8.0	1.5
16	7.0	6.4	618	8.8	10.0	1020	32	0.5	1.0	13.0	7.0	1.5
17	4.8	6.4	e800	8.8	10.0	130	23	0.6	0.8	13.0	6.0	1.5
18	0	6.3	e 22	8.7	b 10.0	59	24	0.7	0.6	11.0	6.0	1.5
19	0	6.2	b 10.5	8.7	e300	49	24	0.7	0.5	9.0	6.0	1.5
20	41	6.1	10.5	8.6	e 86	338	190	0.8	0.5	7.0	6.0	1.5
21	119	6.0	10.0	8.6	e 21	450	20	0.9	0.5	10.0	6.0	1.5
22	13.0	6.2	9.0	b 8.5	b 10.0	810	190	1.0	0.5	10.0	6.0	1.8
23	6.3	6.4	8.5	b 8.5	b 10.0	73	e 18.0	1.0	0.5	10.0	6.0	2.0
24	0	6.6	8.5	e 40	b 10.0	40	b 6.0	1.0	3.0	10.0	5.5	2.0
25	0	6.8	8.0	e355	c300	32	2.0	1.0	5.0	10.0	5.5	1.8
26	3.6	7.0	8.0	e558	c 49	38	2.0	1.0	7.0	9.0	5.0	1.7
27	4.0	7.2	8.2	b 25	b 17.0	710	2.0	1.0	8.0	8.0	4.5	1.6
28	0	7.0	8.3	b 15.0	c 16.0	72	1.0	1.0	10.0	7.0	4.5	1.5
29	0	6.0	8.5	b 10.0		41	1.0	1.0	12.0	8.0	3.0	1.4
30	0	b 6.0	8.7	e 75		57	b 1.0	0.9	b 12.0	10.0	1.5	b 1.3
31	21		b 8.9	b 15.0		e 108		b 0.8		b 11.0	b 0.5	
		325.0		1328.0		5502.2		26.8		346.0		39.8
	877.7		4326.6		9580.0		16897.0		73.3		110.0	
MEAN	28.3	10.8	140.	42.8	342.	177.	563.	0.86	2.44	11.2	3.55	1.33
ACRE-FEET	1740.	645.	8580.	2630.	19,000.	10,910.	33,520.	53.	145.	686.	218.	79.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 108.
ACRE-FEET 78,210.

78D764M Cdb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

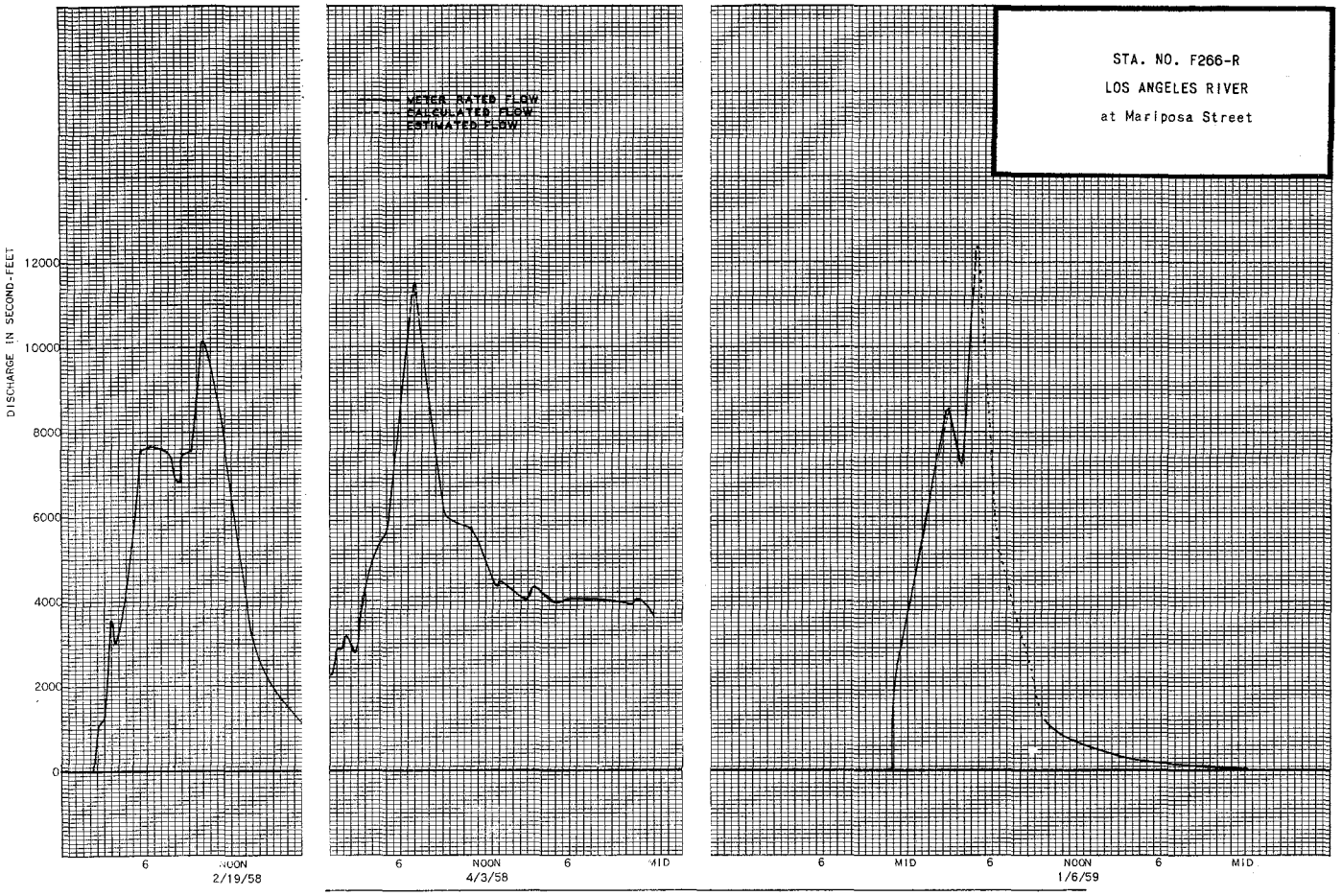
Sta. No. F266-R

Daily discharge, in second-feet of LOS ANGELES RIVER at Mariposa Street, for the year ending September 30, 19 59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	e 0.8	e 1.0	e 8.0	e 8.0	e 0.6	e 10.0	e 0	e 8.0	e 1.0	e 1.9	e 0	e 0
2	0.8	1.0	7.0	8.0	0.7	10.0	0	8.0	5.0	2.0	0	0
3	0.8	1.0	6.0	7.0	0.8	10.0	4.0	6.0	1.0	2.1	0	0
4	0.8	1.0	5.0	7.0	0.9	10.0	7.0	6.0	1.0	2.3	0	0
5	1.0	1.0	5.0	153	1.0	10.0	8.0	3.0	1.0	2.4	0	0
6	4.0	1.0	5.0	2400	1.0	10.0	8.0	12.0	1.0	2.5	0	0
7	5.0	1.0	6.0	23	57	10.0	8.0	10.0	1.0	2.7	0	0
8	0.8	1.0	6.0	12.0	370	10.0	8.0	5.0	0.5	2.9	0	0
9	0.5	1.0	6.0	5.0	13.0	9.0	8.0	0	0.5	3.0	0	0
10	0.5	2.0	7.0	3.0	13.0	9.0	8.0	0	0.5	3.0	0	0
11	0.6	2.0	7.0	1.0	1150	9.0	8.0	0	0.5	3.0	0	+
12	0.7	2.0	7.0	1.0	54	9.0	8.0	0	0.5	3.0	0	0
13	0.8	2.0	7.0	1.0	14.0	4.0	8.0	0	0.5	3.0	0	1.0
14	0.9	2.0	7.0	1.0	12.0	3.0	10.0	0	0.5	3.0	0	0
15	1.0	2.0	8.0	1.0	39	3.0	11.0	0	0.5	3.0	0	3.0
16	1.0	2.0	8.0	1.0	1190	3.0	4.0	0	0.4	3.0	0	7.5
17	1.0	2.0	8.0	1.0	61	3.0	2.0	0	0.4	3.2	0	7.5
18	1.0	1.0	8.0	1.0	66	3.0	1.0	0	0.4	3.4	0	7.6
19	1.0	1.0	9.0	1.0	21	6.0	0.5	0	0.5	3.6	0	7.6
20	1.0	1.0	8.0	1.0	14.0	9.0	0	0	0.6	3.8	0	7.7
21	1.0	0.5	8.0	1.0	600	10.0	0	0	0.7	4.0	0	7.7
22	1.0	0.2	7.0	1.0	56	10.0	3.0	0	0.8	4.2	0	7.8
23	3.0	0.1	7.0	1.0	14.0	10.5	0	0	0.9	4.5	0	7.9
24	25	0.1	7.0	0.9	12.0	10.5	0	0	1.0	4.5	0	8.0
25	20	0.1	7.0	0.8	11.0	10.5	134	0.5	1.0	2.0	0	8.0
26	1.0	0.1	7.0	0.7	13.0	10.5	90	1.0	1.2	1.0	0	8.0
27	1.0	0.1	7.0	0.6	12.0	10.0	8.0	1.0	1.4	0.8	0	8.0
28	1.0	3.0	7.0	0.5	e11.0	9.0	8.0	1.0	1.5	0.6	0	12.0
29	1.0	100	7.0	0.5		9.0	8.0	1.0	1.7	0.4	0	7.0
30	1.0	e 9.0	7.0	0.5		4.0	e 10.0	1.0	e 1.8	0.3	0	e15.0
31	e 1.0		e 8.0	e 0.5		e 0		e 1.0		e 0	e 0	
	80.0	51.2	216.0	2644.0	3808.0	244.0	3725	64.5	29.3	79.1	0	131.3
MEAN	2.58	1.71	6.97	85.3	136.	787.	12.4	2.08	0.98	2.55	0	4.38
ACRE-FEET	159.	102.	428.	5240.	7550.	484.	739.	128.	58.	157	0	260.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 21.2
ACRE-FEET 15,310.



STATION F57C-R
LOS ANGELES RIVER above Arroyo Seco

LOCATION: WATER-STAGE RECORDER, LAT. 34°04'55", LONG. 118°13'35", ON THE RIGHT (WEST) CHANNEL WALL 800 FEET ABOVE THE JUNCTION WITH THE ARROYO SECO. THE FORMER STATION F57B-R WAS 450 FEET ABOVE THE JUNCTION WITH THE ARROYO SECO. ELEVATION OF ZERO GAGE HEIGHT, 292.58 FEET.

DRAINAGE AREA: 510 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - RECTANGULAR CONCRETE 177 FEET WIDE AND 29 FEET DEEP WITH A TRAPEZOIDAL INVERT 20 FEET WIDE AT TOP, 16 FEET WIDE AT BOTTOM AND ONE FOOT DEEP. CHANNEL FORMS CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM CABLE CAR 15 FEET ABOVE GAGE.

RECORDER: A FRIEZ CONTINUOUS RECORDER, FURNISHED BY CORPS OF ENGINEERS, DEPARTMENT OF THE ARMY, WAS IN SERVICE FROM OCTOBER 1, 1957 TO SEPTEMBER 30, 1959.

REGULATION: SUBJECT TO SAME REGULATION AS STATION F266-R. SEVERAL DEBRIS BASINS REGULATE FLOW ON ADDITIONAL TRIBUTARIES. THE LOS ANGELES WATER DEPARTMENT SPILLS SURPLUS FLOW INTO THE CHANNEL FROM WATER DEVELOPED IN GRIFFITH PARK AREA; ALSO SPILLED IS EXCESS TREATED SEWAGE EFFLUENT FROM LOS ANGELES SANITATION DEPARTMENT LINE ABOVE RIVERSIDE DRIVE.

DIVERSIONS: SEVERAL IRRIGATION DIVERSIONS IN THE MOUNTAIN TRIBUTARIES. OTHER FLOW IS RELEASED AT THE SEVERAL WATER SUPPLY RESERVOIRS, AND THE LOS ANGELES WATER DEPARTMENT DIVERTS FLOW FOR SPREADING.

RECORDS AVAILABLE:
AT STATION F57-R - DECEMBER 1929 TO MAY 26, 1938.
AT STATION F57B-R - MAY 26, 1928 TO APRIL 5, 1939, APRIL 5, 1939 TO DECEMBER 8, 1939 BI-WEEKLY MEASUREMENTS.
AT STATION F57C-R - DECEMBER 8, 1939 TO SEPTEMBER 30, 1959.

EXTREMES OF DISCHARGE:
1957-58
MAXIMUM 19,660 SECOND-FEET FEBRUARY 19.
MINIMUM 0.4 SECOND FOOT OCTOBER 3 AND 4.
1958-59
MAXIMUM 17,220 SECOND-FEET JANUARY 6.
MINIMUM 0.1 SECOND-FOOT VARIOUS TIMES OF YEAR.
1929-59 (STATIONS F57-R, F57B-R, F57C-R)
MAXIMUM 68,000 SECOND-FEET ESTIMATED MARCH 2, 1938.
MINIMUM NO FLOW AT TIMES EACH YEAR FROM 1929-30 TO 1933-34.

ACCURACY: FAIR.

OPERATION: LOCATED AND CONSTRUCTED BY THE CORPS OF ENGINEERS, DEPARTMENT OF THE ARMY, OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT AND CORPS OF ENGINEERS, DEPARTMENT OF THE ARMY, WITH THE COOPERATION OF THE UNITED STATES GEOLOGICAL SURVEY., WATER RESOURCES BRANCH.

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER

AT NEAR above Arroyo Seco DURING THE YEAR ENDING SEPTEMBER 30, 1958

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	S. HT. CHANGE TOTAL	METER NO.
1541	10/3	0815 / 0825	BOWMAN	3.0	0.41	0.98	0.10	0.4		.5	7	0	FC53
1542	10/10	0750 / 0800	"	3.0	0.41	0.88	0.08	0.36		.5	7	0	"
1543	10/11	1540 / 1552	BLAKELY	127.0	104.	2.21	1.19	230.		.6	16	-.03	FC24
1544	10/12	1405 / 1413	"	18.5	10.1	2.27	1.03	22.9		.6	11	-.01	"
1545	10/13	1333 / 1341	"	16.2	4.42	0.65	0.19	2.9		.5	10	0	"
1546	10/14	0838 / 0856	BLAKELY-SALGADO	128.0	130.	2.62	1.31	340.		.6	16	+.01 -.01	"
1547	10/15	0850 / 0907	ROY	9.5	3.55	1.72	0.31	6.1		.6	12	-.02	"
1548	10/17	0825 / 0833	"	5.5	1.02	1.37	0.08	1.4		.6	8	0	FC53
1549	10/22	1110 / 1135	BOWMAN	17.0	4.57	1.42	0.25	6.5		.5	11	0	FC24
1550	10/24	0940 / 1000	"	16.0	1.60	0.94	0.10	1.5		FLOATS	9	0	
1551	10/31	0841 / 0853	ROY	11.0	2.95	0.95	0.13	2.8		.6	10	0	FC53
1552	11/3	1251 / 1306	BOWMAN-BLAKELY	18.7	13.3	3.94	0.81	52.4		.6	11	-.01	FC24
1553	11/7	0820 / 0832	ROY	13.3	2.58	0.97	0.13	2.5		.6	12	0	FC53
1554	11/14	0810 / 0825	"	12.2	2.00	0.70	0.09	1.4		.6	12	0	"
1555	11/21	1358 / 1404	WOOD-BLAKELY	16.4	1.35	0.89	0.08	1.2		FLOATS	7	0	
1556	11/27	1514 / 1517	WOOD	16.0	1.52	0.92	0.08	1.4		"	7	0	
1557	12/5	0305 / 0335	BLAKELY-BOWMAN	177.0	304.	8.72	2.44	2650.		.6	15	-.23	FC24
1558	12/5	1605 / 1625	WOOD-BOWMAN	177.0	241.	7.97	2.29	1920.		.6	14	-.39	FC57
1559	12/6	1425 / 1438	" "	17.0	6.48	2.30	0.39	14.9		.5	11	0	"
1560	12/12	1625 / 1630	WOOD	16.7	1.55	0.90	0.10	1.4		FLOATS	7	0	
1561	12/15	1250 / 1315	WOOD-BLAKELY	177.0	257.	8.24	2.47	2120.		.6	15	-.18	FC57
1562	12/15	1410 / 1504	BLAKELY-WOOD	177.0	627.	12.8	4.48	8050.		.6	15	+.33 -.33	"
1563	12/15	1700 / 1732	WOOD-BLAKELY	177.0	399.	10.6	3.20	4240.		.6	15	-.15	FC34
1564	12/16	1510 / 1540	" "	177.0	80.9	3.81	1.33	313.		.5 .6	18	-.09	"
1565	12/17	1009 / 1024	WOOD	200.0	174.	3.25	1.43	566.		.6	13	-.10	"
1566	12/18	0825 / 0842	"	17.5	7.20	2.56	0.47	18.4		.5	11	-.01	"
1567	12/19	0848 / 0906	"	16.8	3.83	1.54	0.21	5.9		.5	11	0	FC53
1568	12/26	1700 / 1702	"	16.5	1.58	0.95	0.11	1.5		FLOATS	6	0	
1569	1/2	1550 / 1556	"	16.4	1.60	1.31	0.12	1.5		"	7	0	
1570	1/9	0840 / 0854	"	16.7	3.14	1.18	0.19	3.7		.5	11	0	FC53
1571	1/16	0824 / 0837	"	16.2	3.24	1.32	0.17	4.3		.5	11	0	"
1572	1/23	0835 / 0838	WOOD-TWITTY	16.4	2.79	1.36	0.17	3.8		FLOATS	7	0	
1573	1/26	1459 / 1520	BLAKELY-TWITTY	CHANNELS			1.35	377.		.6	24	-.02	FC57
1574	1/27	1405 / 1424	TWITTY-BLAKELY	17.6	7.85	2.33	0.40	18.3		.5	11	-.02	"
1575	1/30	1256 / 1302	WOOD	CHANNELS			1.11	134.		.6	8	-.01	"
1576	2/2	2132 / 2200	WOOD-TWITTY	177.0	166.	6.80	1.72	1130.		.6	15	-.07	"
1577	2/4	0826 / 0855	" "	177.0	583.	14.3	4.39	8320		.6	21	+.03 -.43	"
1578	2/4	0943 / 1015	" "	177.0	650.	14.0	4.65	9130.		.6	22	+.20 -.60	"
1579	2/6	1745 / 1759	" "	18.0	9.73	2.88	0.58	27.9		.6	11	0	"
1580	2/13	1355 / 1357	WOOD	16.9	3.01	1.52	0.20	4.6		FLOATS	7	0	
1581	2/19	1322 / 1346	WOOD-TWITTY	177.0	430.	12.9	3.49	5550.		.6	15	-.28	FC34
1582	2/20	1650 / 1656	" "	CHANNELS				46.9		.6	7	0	FC57
1583	2/21	1352 / 1403	WOOD		"			13.1		.5	9	0	FC53
1584	2/27	1620 / 1631	"	17.0	5.96	2.27	0.32	13.5		.5	11	0	"
1585	2/28	1426 / 1430	"	17.5	4.28	1.58	0.24	6.8		FLOATS	7	0	
1586	3/3	0815 / 0819	"	17.6	4.16	1.60	0.25	6.7		"	7	0	
1587	3/6	1711 / 1731	"	177.0	51.4	3.32	1.17	172.		.5 .6	17	-.03	FC57
1588	3/13	1440 / 1443	"	17.0	4.27	2.30	0.30	9.8		FLOATS	7	0	
1589	3/15	1632 / 1655	WOOD-TWITTY	177.0	242.	8.65	2.36	2090.		.6	22	-.01	FC57
1590	3/16	1557 / 1619	WOOD	177.0	72.5	2.90	1.28	251.		.5 .6	21	-.02	FC34
1591	3/17	1356 / 1423	WOOD	177.0	42.7	3.07	1.11	131.		.5 .6	22	0	FC34 FC53
1592	3/18	0942 / 1005	"	18.5	10.6	3.90	0.72	41.3		.6	11	0	FC34
1593	3/20	2220 / 2246	WOOD-TWITTY	177.0	232.	8.28	2.31	1920.		.6	22	+.09 -.08	FC57
1594	3/20	2332 / 2350	" "	177.0	210.	8.00	2.08	1680.		.6	17	-.04	"
1595	3/21	1613 / 1621	WOOD	CHANNELS			1.00	78.6		.6	8	-.01	"
1596	3/22	0200 / 0220	BLAKELY-TWITTY	177.0	392.	10.9	3.12	4290.		.6	15	-.35	"
1597	3/22	1518 / 1531	WOOD-TWITTY	160.0	134.	2.13	1.23	285.		.6	16	-.01	"
1598	3/23	1432 / 1442	WOOD	CHANNELS			0.82	57.0		.6	9	-.01	"
1599	3/24	1104 / 1116	"	"			0.60	36.0		.6	9	0	"
1600	3/27	1237 / 1256	WOOD-TWITTY	177.0	402.	11.4	3.22	4580.		.6	18	-.25	"
1601	3/28	1132 / 1142	WOOD	19.7	14.0	4.13	0.90	57.8		.6	9	-.02	"
1602	4/1	0922 / 0935	WOOD-TWITTY	177.0	385.	10.8	2.96	4160.		.6	18	-.11	FC34
1603	4/1	1326 / 1353	" "	177.0	458.	12.8	3.53	5850.		.6	18	+.13	"
1604	4/1	1439 / 1458	" "	177.0	525.	13.7	4.02	7210.		.6	18	0	"
1605	4/2	1520 / 1537	WOOD	177.0	140.	1.76	1.18	246.		.6	14	0	"
1606	4/3	0906 / 0930	WOOD-TWITTY	177.0	583.	14.5	4.33	8460.		.6	14	-.40	"
1607	4/4	1333 / 1400	WOOD	177.0	228.	8.95	2.38	2040.		.6	22	0	"
1608	4/6	1011 / 1026	WOOD-TWITTY	177.0	206.	8.35	2.18	1720.		.6	18	+.06	"
1609	4/6	1303 / 1321	WOOD-TWITTY	177.0	460.	13.0	3.54	6010.		.6	18	-.15	"
1610	4/7	0244 / 0306	" "	177.0	369.	12.8	3.23	4710.		.6	18	-.08	"
1611	4/7	1206 / 1221	" "	177.0	266.	9.75	2.52	2590.		.6	18	-.04	"
1612	4/8	1330 / 1400	WOOD	177.0	125.	5.65	1.65	706.		.6	18	-.02	"
1613	4/10	1627 / 1650	"	177.0	56.1	3.25	1.18	179.		.5 .6	18	0	FC57
1614	4/16	1500 / 1513	"	18.0	7.22	3.17		22.9		.5	12		"
1615	4/17	1543 / 1555	"	18.0	7.06	7.32		16.4		.5	11		"
1616	4/18	1017 / 1030	"	18.0	7.34	2.38		17.4		.5	12		"
1617	4/24	1510 / 1521	"	17.0	2.81	1.42		4.0		.5	11		FC53
1618	5/1	1613 / 1620	"	16.4	2.42	1.34	0.15	3.2		FLOATS	9	0	
1619	5/8	1617 / 1628	"	17.1	2.78	0.90	0.15	2.5		.5	9	0	FC53
1620	5/15	1557 / 1607	"	16.8	2.43	0.82	0.13	2.0		.5	10	0	"
1621	5/22	1607 / 1620	"	17.2	2.53	0.83	0.13	2.1		.5	13	0	"
1622	5/29	1525 / 1535	"	16.5	2.34	0.86	0.13	2.0		.5	11	0	"
1623	6/5	1541 / 1550	"	17.0	1.97	0.66	0.10	1.3		.5	11	0	"
1624	6/12	1610 / 1622	"	17.0	1.92	0.74	0.10	1.4		.5	11	0	"
1625	6/19	1605 / 1613	"	16.8	1.65	0.67	0.09	1.1		.5	9	0	"
1626	6/26	1520 / 1528	"	16.8	2.30	0.78	0.09	1.8		.5	9	0	"
1627	7/3	1533 / 1541	"	16.6	2.37	1.05	0.12	2.5		.5	9	0	"
1628	7/10	1459 / 1510	"	16.8	2.31	1.04	0.14	2.4		.5	9	0	"
1629	7/17	1520 / 1530	"	16.8	3.03	1.09	0.15	3.3		.5	9	0	"
1630	7/24	1515 / 1526	"	16.6	1.91	0.94	0.12	1.8		.5	9	0	"
1631	7/31	1525 / 1536	"	16.6	2.67	0.86	0.15	2.3		.5	9	0	"
1632	8/8	1407 / 1415	"	16.9	2.67	0.94	0.15	2.5		.5	9	0	"
1633	8/14	1536 / 1548	"	16.6	2.56	0.82	0.15	2.1		.5	9	0	"
1634	8/21	1313 / 1321	"	16.6	2.18	0.83	0.11	1.8		.5	9	0	"
1635	8/28	1817 / 1822	"	16.6	2.57	0.70	0.14	1.8		.5	9	0	"
1636	9/4	1443 / 1454	"	16.6	2.34	0.68	0.13	1.6		.5	9	0	"
1637	9/11	1510 / 1519	"	16.6	3.01	0.70	0.15	2.1		.5	9	0	"
1638	9/18	1507 / 1522	WALTER-WOOD	16.6	4.10	0.61	0.16	2.5		.5	9	0	"
1639	9/25	1547 / 1555	WOOD	16.6	3.24	0.68	0.18	2.2		.5	9	0	"

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER

AT OR NEAR above Arroyo Seco DURING THE YEAR ENDING SEPTEMBER 30, 19 59

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATINGS	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1640	10/9	1437 / 1445	WOOD	16.8	3.35	0.63	0.18	2.1		.5	9	0	FC53
1641	10/16	1505 / 1515	"	16.8	3.34	0.57	0.18	1.9		.5	9	0	"
1642	10/23	1437 / 1447	"	16.8	3.27	0.46	0.18	1.5		.5	9	0	"
1643	10/30	1602 / 1611	"	16.8	1.91	0.58	0.10	1.1		.5	9	0	"
1644	11/6	1432 / 1440	"	16.8	2.30	0.56	0.13	1.3		.5	9	0	"
1645	11/13	1545 / 1552	"	16.8	2.58	0.66	0.15	1.7		.5	9	0	"
1646	11/20	1516 / 1527	"	16.8	2.34	0.51	0.14	1.2		.5	9	0	"
1647	11/26	1600 / 1608	"	16.8	2.22	0.54	0.17	1.2		.5	9	0	"
1648	12/4	1114 / 1123	"	16.8	2.69	0.63	0.16	1.7		.5	9	0	"
1649	12/11	1332 / 1345	BOWMAN	16.5	2.59	0.62	0.15	1.6		.5	12	0	"
1650	12/18	1255 / 1304	WOOD	16.8	3.17	0.47	0.18	1.5		.5	9	0	"
1651	12/26	1312 / 1319	"	16.8	3.17	0.57	0.20	1.8		.5	9	0	"
1652	1/2	0943 / 0953	BLAKELY	17.0	2.72	1.11	0.22	2.0		FLOAT	6	0	
1653	1/6	1004 / 1021	WOOD-WALTER	177.	207.	8.25	2.18	1710.		.6	15	-.09	FC57
1654	1/8	1140 / 1146	WOOD	17.2	3.85	1.22	0.21	4.7		.5	9	0	"
1655	1/15	1049 / 1057	"	17.0	1.99	0.75	0.10	1.5		.5	9	0	FC53
1656	1/22	1514 / 1517	"	17.0	1.61	0.68	0.10	1.1		.5	9	0	"
1657	1/29	1540 / 1546	"	17.0	1.65	0.56	0.10	0.93		.5	9	0	"
1658	2/5	1036 / 1044	"	17.0	1.75	0.57	0.11	1.0		.5	9	0	"
1659	2/8	1329 / 1348	WALTER-WOOD	177.	232.	7.28	2.26	1690.		.6	16	-.21	FC57
1660	2/9	1235 / 1247	" "	18.0	5.80	2.86	0.39	16.7		.5	9	0	"
1661	2/11	0418 / 0433	WOOD-WALTER	177.	352.	11.3	3.02	3980.		.6	15	-.08	"
1662	2/12	1652 / 1707	WALTER-WOOD	18.8	12.5	3.60	0.67	45.1		.6	9	0	"
1663	2/16	0544 / 0606	" "	177.	264.	9.20	2.52	2430.		.6	17	-.09	"
1664	2/16	1104 / 1121	WOOD-WALTER	177.	262.	9.50	2.54	2490.		.6	18	+.06	"
1665	2/16	1510 / 1523	" "	177.	395.	12.7	3.25	5000.		.6	16	-.30	"
1666	2/17	1126 / 1149	" "	CHANNELS			1.14	134.		.5 / .6	20	-.05	"
1667	2/19	1130 / 1142	WOOD	18.0	6.64	2.82	0.43	18.7		.5	9	0	"
1668	2/21	1126 / 1139	WOOD-WALTER	177.	304.	10.0	2.78	3050.		.6	16	+.10	"
1669	2/22	1423 / 1441	WALTER	19.1	12.4	3.50	0.65	43.4		.6	9	0	"
1670	2/26	1500 / 1506	WOOD	17.0	2.87	2.09	0.21	6.0		.5	9	0	FC53
1671	3/5	1240 / 1247	"	17.0	3.33	1.28	0.19	4.3		.5	9	0	"
1672	3/12	1221 / 1229	"	17.0	2.76	1.27	0.19	3.5		.5	9	0	"
1673	3/19	1303 / 1312	"	16.8	2.29	0.92	0.13	2.1		.5	9	0	"
1674	3/26	1230 / 1240	"	16.8	2.29	0.70	0.13	1.6		.5	9	0	"
1675	4/2	1144 / 1153	"	16.8	2.38	0.76	0.13	1.8		.5	9	0	"
1676	4/9	1210 / 1219	"	16.8	2.67	0.75	0.15	2.0		.5	9	0	"
1677	4/16	1215 / 1225	"	16.8	2.66	0.75	0.16	2.0		.5	9	0	"
1678	4/23	1205 / 1215	"	16.8	4.24	0.33	0.25	1.4		.5	9	0	"
1679	4/30	1148 / 1156	"	16.8	1.58	0.59	0.08	0.93		.5	9	0	"
1680	5/7	1240 / 1250	"	16.8	1.68	0.60	0.08	0.98		.5	9	0	"
1681	5/14	1529 / 1541	BROOK-WOOD	16.8	1.55	0.65	0.09	0.99		.5	9	0	"
1682	5/21	1510 / 1520	WOOD	16.8	1.91	0.52	0.09	0.96		.5	9	0	"
1683	5/28	1311 / 1320	"	16.8	1.93	0.57	0.10	1.1		.5	9	0	"
1684	6/4	1215 / 1225	"	16.8	1.92	0.45	0.10	0.87		.5	9	0	"
1685	6/11	1502 / 1513	BROOK	16.4	2.17	0.64	0.11	1.4		.5	9	0	"
1686	6/18	1541 / 1553	"	16.1	1.92	0.52	0.09	1.0		.5	10	0	"
1687	6/25	1337 / 1348	PETERSEN-WOOD	16.8	1.67	0.47	0.07	0.79		.5	9	0	"
1688	7/2	1545 / 1553	WOOD	16.8	1.32	0.39	0.06	0.52		.5	9	0	"
1689	7/9	1304 / 1312	"	16.6	1.02	0.58	0.07	0.59		.5	9	0	"
1690	7/16	1415 / 1423	"	16.6	1.22	0.48	0.06	0.59		.5	9	0	"
1691	7/23	1335 / 1342	"	16.6	1.41	0.48	0.08	0.68		.5	9	0	"
1692	7/30	1533 / 1540	"	16.6	1.80	0.31	0.10	0.54		.5	9	0	"
1693	8/6	1457 / 1502	"	16.6	1.84	0.26	0.08	0.48		.5	9	0	"
1694	8/13	1245 / 1250	"	4.5	0.25	0.68	0.05	0.17		.5	6	0	"
1695	8/20	1537 / 1541	"	4.0	0.38	0.71	0.07	0.27		.5	5	0	"
1696	8/27	1406 / 1410	"	4.0	0.26	0.69	0.08	0.18		.5	5	0	"
1697	9/3	1530 / 1533	"	4.0	0.38	1.10	0.07	0.42		.5	5	0	"
1698	9/10	1315 / 1319	"	4.0	0.15	0.60	0.03	0.09		.5	5	0	"
1699	9/17	1313 / 1316	"	4.0	0.16	0.62	0.03	0.10		.5	5	0	"
1700	9/24	1220 / 1225	"	6.0	0.25	0.56	0.05	0.14		.5	7	0	"

76D74M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F57C-R

Daily discharge, in second-feet of LOS ANGELES RIVER above Arroyo Seco, for the year ending September 30, 1959

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.6	3.5	1.4	2.0	3.9	18.2	3070	3.8	1.8	2.3	2.0	e 1.6
2	0.6	72	1.4	1.8	249	6.8	392	3.8	1.8	2.6	2.3	1.6
3	0.4	105	1.4	2.3	2460	6.8	4250	3.8	1.6	2.9	2.3	1.6
4	0.4	7.1	10.4	2.0	3670	6.8	2170	3.5	1.6	4.4	2.6	e 1.6
5	0.6	18.0	965	1.6	b 100	6.8	1550	3.5	1.6	2.0	2.9	1.4
6	0.6	6.2	48	2.0	b 40	90	2200	3.5	1.6	2.0	2.9	1.4
7	1.0	2.3	a 3.5	3.5	8.0	17.7	2440	3.2	1.6	2.0	2.9	1.4
8	1.2	1.8	1.8	3.8	34	6.5	639	2.9	1.4	2.6	2.6	1.6
9	1.0	1.8	1.8	4.1	13.6	5.3	242	2.3	1.4	2.6	2.6	1.4
10	1.0	1.6	1.6	23	5.0	5.6	168	2.6	1.4	2.6	2.6	1.4
11	430	1.4	1.6	5.4	4.7	100	b 160	2.3	1.4	2.6	2.6	1.6
12	25	1.4	a 1.4	3.2	5.0	33	158	2.3	1.4	2.6	2.6	1.8
13	76	1.2	1.4	3.2	4.4	41	165	2.3	1.4	2.6	2.6	1.8
14	316	1.4	1.4	3.5	4.1	193	104	2.3	1.4	2.3	2.0	1.8
15	5.2	1.4	2040	3.8	3.8	976	96	2.0	1.4	3.2	18.9	1.8
16	1.4	1.2	730	4.1	3.2	1560	50	2.0	1.4	3.5	22	1.8
17	1.8	1.2	1150	4.4	3.5	158	16.0	2.0	1.4	3.2	2.6	2.0
18	2.9	1.2	21	4.1	4.4	52	17.0	2.3	1.4	3.2	e 2.0	2.3
19	2.9	1.2	5.3	2.9	4650	32	23	2.0	1.4	3.2	2.0	2.3
20	16.6	1.2	3.8	2.9	b 92	421	16.0	2.0	1.4	2.6	2.0	1.8
21	128	1.2	3.2	3.5	b 37	266	17.0	2.0	1.4	2.6	e 2.0	2.3
22	6.5	1.2	2.6	3.5	13.6	1240	15.0	2.0	1.4	2.6	2.0	2.3
23	4.1	1.4	2.6	2.3	7.4	70	14.0	2.0	1.6	2.0	2.0	2.0
24	1.6	1.4	2.3	10.3	6.8	39	b 4.0	2.0	1.6	2.0	2.0	2.3
25	f 1.6	1.6	2.0	536	1560	22	4.7	2.0	1.6	1.8	2.0	2.9
26	e 1.7	1.6	1.6	935	80	22	3.8	2.0	1.8	1.8	2.0	2.9
27	e 1.8	1.4	1.8	40	16.0	874	3.8	2.0	2.0	1.8	2.0	3.2
28	f 1.9	1.6	2.0	8.0	7.4	54	4.1	2.0	7.7	1.8	1.8	3.2
29	2.0	1.4	1.8	5.6		15.0	4.1	2.0	2.0	2.0	1.8	2.9
30	2.0	1.4	1.6	58		31	4.4	2.0	2.0	2.0	2.0	2.9
31	14.0		2.3	7.7		52		1.8		2.0	e 1.6	
		246.3		1693.5		6421.5		76.2		77.4		609
	1050.4		5015.9		13046.8		180009		52.9		1062	
MEAN	33.9	8.2	162.	54.6	467.	207.	600.	2.46	1.76	2.50	3.43	2.03
ACRE-FEET	2080.	489.	9950.	3360.	25,960.	12,740.	35,700.	151.	105.	154.	211.	121.

Remarks:

YEAR OR PERIOD MEAN 126.
ACRE-FEET 91,020.

76D74M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

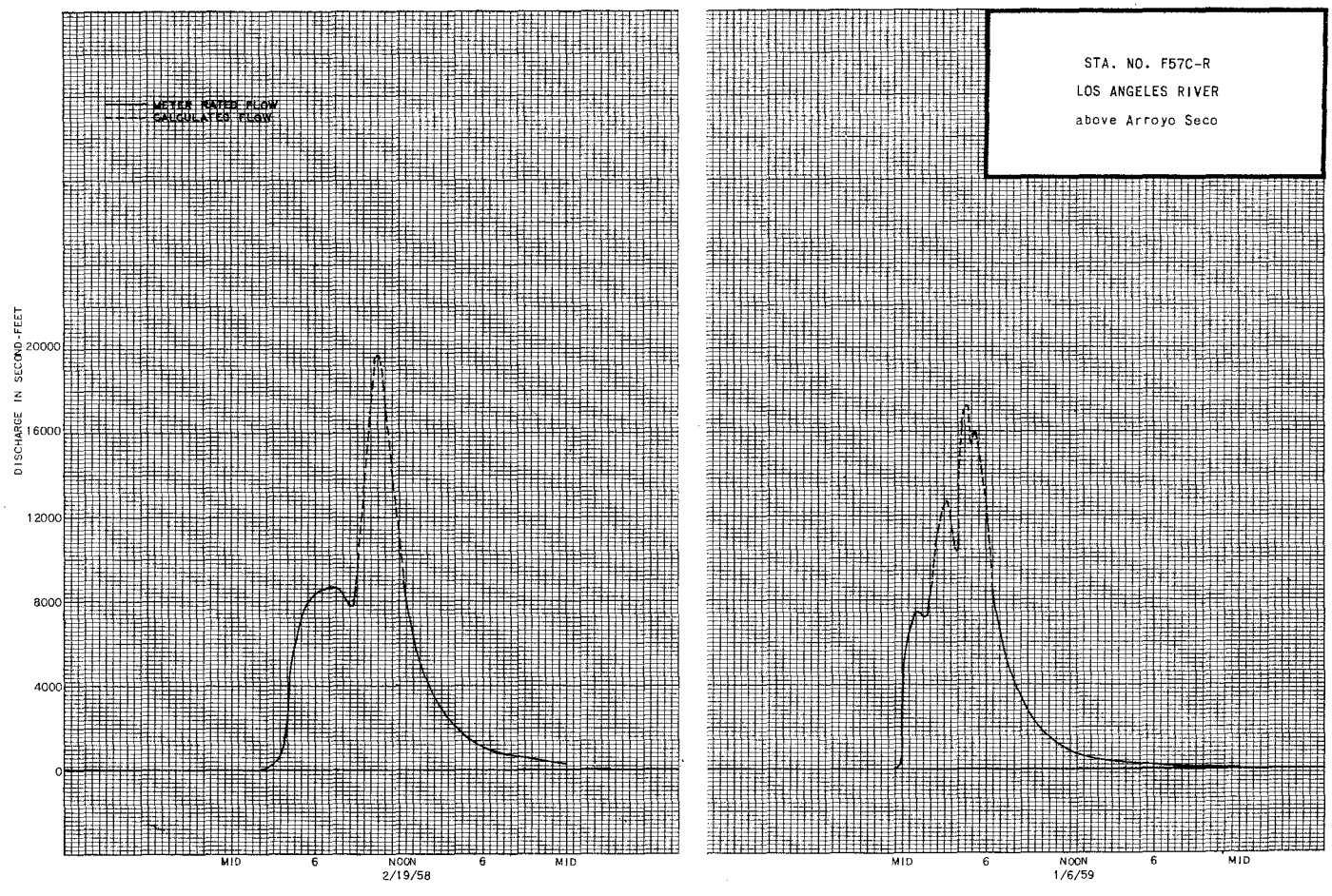
Sta. No. F57C-R

Daily discharge, in second-feet of LOS ANGELES RIVER above Arroyo Seco for the year ending September 30, 19 59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.4	1.0	1.4	3.2	1.0	4.7	1.8	1.0	0.8	0.6	0.2	e0.4
2	1.4	1.0	1.6	2.6	0.8	4.4	1.8	1.0	0.8	0.6	0.2	e0.4
3	1.4	1.4	1.4	2.6	0.8	5.6	1.8	1.0	0.8	1.0	0.6	e0.4
4	1.4	1.6	1.8	3.2	1.0	4.7	1.8	1.0	0.8	1.0	0.4	0.2
5	1.4	1.4	1.8	17.2	1.0	4.7	1.8	1.0	0.8	0.8	0.2	0.2
6	1.0	1.4	1.8	3790	1.0	5.0	1.8	1.0	1.0	0.6	0.6	e0.2
7	1.0	1.4	1.8	46.	13.7	5.0	1.8	1.0	1.2	0.4	0.6	0.2
8	1.2	1.4	1.8	5.9	373	4.7	1.8	1.0	1.2	0.4	0.4	0.4
9	1.6	1.4	1.8	3.5	34	4.1	1.8	1.0	1.2	0.4	0.6	0.8
10	1.4	1.4	1.8	2.3	6.7	4.7	1.8	1.0	1.4	0.4	0.4	0.4
11	1.2	1.4	1.6	2.0	2010	4.4	1.8	1.0	1.4	0.4	0.4	0.4
12	1.4	1.4	1.6	2.0	91	3.8	1.8	0.8	1.2	0.4	0.2	0.2
13	1.4	1.6	1.6	2.0	9.4	3.8	1.6	1.0	1.0	0.6	0.2	0.2
14	1.4	1.6	1.6	2.0	5.6	3.5	1.8	1.0	1.2	0.6	0.4	0.2
15	1.6	1.6	1.4	1.8	11.1	3.2	2.6	1.0	1.0	0.6	0.4	0.2
16	1.6	1.4	1.6	1.8	2030	2.9	2.3	0.8	1.0	0.6	0.2	0.4
17	1.6	1.4	1.4	1.8	117	3.2	2.3	0.8	1.0	0.6	0.4	0.2
18	1.6	1.4	1.6	1.6	27	2.9	1.4	0.8	1.0	0.6	0.2	0.2
19	1.4	1.2	1.6	1.6	37	2.6	1.2	0.8	1.0	0.4	0.2	0.2
20	1.6	1.2	1.8	1.6	7.4	2.0	1.0	1.0	1.0	0.4	e0.2	0.2
21	1.6	1.2	1.8	1.4	694	2.0	0.8	1.0	1.0	0.4	0.2	0.2
22	1.4	1.4	1.8	1.4	94	1.8	0.6	1.0	1.0	0.6	0.2	0.4
23	1.4	1.4	1.6	1.4	8.7	1.8	0.6	1.2	1.0	0.6	e0.2	0.4
24	1.6	1.2	1.6	1.4	7.1	2.0	0.8	1.0	0.8	0.4	0.2	e0.4
25	38	1.4	1.8	1.4	6.8	1.6	113	1.2	0.8	0.6	0.2	e0.4
26	2.9	1.0	1.8	1.4	6.5	1.6	147	1.2	1.0	0.4	0.2	0.4
27	1.4	1.0	2.0	4.4	6.2	1.8	2.9	1.2	1.0	0.6	0.2	e0.3
28	1.2	1.2	2.3	1.2	5.9	1.6	1.6	1.2	0.8	0.4	0.2	e0.2
29	1.2	1.2	2.6	1.2		1.4	1.0	1.2	0.8	0.6	0.2	0.2
30	1.2	1.4	2.6	1.2		1.8	1.0	1.2	0.8	0.6	0.3	0.2
31	1.4		2.6	1.0		1.8		1.0		0.4	e0.3	
	813		553		5607.7		305.1		29.8		9.4	
		400		3912.1		99.1		31.4		17.0		9.1
MEAN	2.62	1.33	1.78	126.	200.	3.20	10.2	1.01	0.99	0.55	0.30	0.30
ACRE-FEET	161.	79.	110.	7760.	11120.	197.	605.	62.	59.	34.	19.	18.

Remarks:

YEAR OR PERIOD MEAN 27.9
ACRE-FEET 20,230.



STATION F34D-R
LOS ANGELES RIVER below Firestone Boulevard

LOCATION: WATER-STAGE RECORDER, LAT. 33°56'58", LONG. 118°10'23", ON THE RIGHT (WEST) BANK, 472 FEET DOWNSTREAM FROM THE CENTER LINE OF FIRESTONE BOULEVARD BRIDGE AND ABOUT THREE MILES WEST OF DOWNEY. ELEVATION OF ZERO GAGE HEIGHT 96.12 FEET.

DRAINAGE AREA: 614 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL, CONCRETE, 355 FEET WIDE AT BOTTOM WITH 3 TO 1 RIPRAPPED SLOPES. LOW FLOW CHANNEL IN CENTER, 28 FEET WIDE AT TOP, 20 FEET WIDE AT BOTTOM, ONE FOOT DEEP. CHANNEL FORMS CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED AT STATION, HIGH FLOWS MEASURED FROM UPSTREAM SIDE OF FIRESTONE BOULEVARD BRIDGE 500 FEET ABOVE STATION.

RECORDER: A STEVENS TYPE A-35 CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1957 TO SEPTEMBER 30, 1959.

REGULATION: FLOW IS SUBJECT TO SAME REGULATION AS STATION F57C-R IN ADDITION, FLOW IS PARTIALLY REGULATED BY DEVILS GATE DAM.

DIVERSIONS: FLOW IS SUBJECT TO SAME DIVERSIONS AS STATION F57C-R. THE CITIES OF PASADENA AND SOUTH PASADENA DIVERT WATER FROM THE ARROYO SECO.

RECORDS AVAILABLE: AT STATION F34-R - MARCH 1, 1928 TO APRIL 11, 1938 (FOR PREVIOUS RECORDS SEE STATE OF CALIFORNIA DIVISION OF WATER RIGHTS BULLETIN NO. 5).

AT STATION F34B-R - APRIL 11, 1938 TO NOVEMBER 3, 1949.
AT STATION F34C-R - NOVEMBER 4, 1949 TO DECEMBER 11, 1956.
AT STATION F34D-R - DECEMBER 11, 1956 TO SEPTEMBER 30, 1959.

EXTREMES OF DISCHARGE:
1957-58
MAXIMUM 34,100 SECOND-FEET FEBRUARY 19.
MINIMUM 4.3 SECOND-FEET DECEMBER 1.
1958-59
MAXIMUM 24,250 SECOND-FEET JANUARY 6.
MINIMUM 5.9 SECOND-FEET VARIOUS TIMES OF YEAR.
1928-59
MAXIMUM 79000 SECOND-FEET ESTIMATED MARCH 2, 1938.
MINIMUM NO FLOW AT VARIOUS TIMES PRIOR TO 1940. FLOW CONTINUOUS IN RECENT YEARS DUE TO INDUSTRIAL WASTES.

ACCURACY: POOR. STAGE-DISCHARGE RELATIONSHIP AFFECTED BY SILTATION AND GROWTH OF PLANTS. MEASURING CONDITIONS WERE VERY POOR.

OPERATION: CONSTRUCTED BY THE CORPS OF ENGINEERS, DEPARTMENT OF THE ARMY, LOCATED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT WITH THE COOPERATION OF THE CORPS OF ENGINEERS, DEPARTMENT OF THE ARMY AND THE UNITED STATES GEOLOGICAL SURVEY, WATER RESOURCES BRANCH.

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER

AT ~~NEAR~~ below Firestone Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 1958

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
634	10/3	0915 / 0925	BONADIMAN	21.0	7.14	1.06	0.53	7.6		.6	8	0	FC19
635	10/10	0902 / 0912	"	21.5	7.78	1.27	0.53	9.9		.6	8	0	"
635	10/11	0712 / 0732	BROOK-BONADIMAN	CHANNELS			2.06	586.		.6	18	+.01	"
637	10/12	0907 / 0930	BONADIMAN		"		1.11	121.		.6	21	0	"
638	10/14	0118 / 0152	WOOD-GARCIA		"		2.14	1350.		.6	20	+.15	FC57
639	10/14	0246 / 0312	" "		"		2.29	1830.		.6	22	+.02	"
640	10/14	0537 / 0559	" "		"		2.24	1110.		.6	25	-.03	"
641	10/14	1455 / 1534	WOOD	357.5	110.	1.75	1.54	193.		.6	25	+.01	"
642	10/15	0950 / 1010	BROOK	24.0	10.6	2.88	0.73	30.5		.6	13	0	FC35
643	10/15	1422 / 1440	"	22.6	8.00	2.83	0.63	22.6		.6	13	-.01	"
644	10/17	0942 / 0954	BONADIMAN	21.5	6.18	1.41	0.40	8.7		.6	8	0	FC19
645	10/20	2348 / 3003	BONADIMAN-BROOK	CHANNELS			2.08	914.		.6	17	-.14	"
646	10/21	0900 / 0922	BROOK	354:0	127.	2.04	1.53	260.		.5 .6	21	+.04	"
647	10/22	1027 / 1037	BONADIMAN	21.5	9.48	2.07	0.53	19.6		.6	8	0	"
648	10/24	0900 / 0910	"	21.5	7.44	1.49	0.49	11.1		.5	8	0	"
649	10/31	0600 / 0620	BROOK-BONADIMAN	275.0	55.9	3.14	1.39	175.	FLOATS	.6	10	+.02	"
650	11/1	1007 / 1018	BONADIMAN	21.8	7.5	2.1	0.45	16.0		.6	0	0	FC46
651	11/3	0030 / 0056	BROOK-BONADIMAN	CHANNELS			2.19	1630.		.6	20	-.06	FC19
652	11/4	0815 / 0825	BONADIMAN	22.0	11.9	2.50	0.68	29.7		.6	8	0	"
653	11/7	0824 / 0834	"	21.0	6.57	1.54	0.48	10.1		.6	8	0	"
654	11/14	0900 / 0910	"	21.0	6.34	1.17	0.49	7.4		.5	8	0	"
655	11/21	0852 / 0902	"	20.0	5.82	1.17	0.46	6.8		.5	8	0	"
656	11/27	0902 / 0910	"	21.0	6.48	1.09	0.45	7.1		.6	8	0	"
657	12/5	0242 / 0320	BROOK-BONADIMAN	362.0	455.	6.31	2.75	2870.		.6	17	-.60	FC19
658	12/5	0427 / 0445	ROY-ROBINSON	358.0	634.	5.32	2.90	3370.		.6	16	0	FC51
659	12/5	0629 / 0652	" "	361.0	341.	3.90	2.31	1330.		.6	19	-.07	"
660	12/5	1705 / 1727	BONADIMAN-BROOK	361.0	641.	6.35	2.98	4070.		.6	16	-.16	FC46
661	12/6	1530 / 1540	BONADIMAN	CHANNELS			0.78	49.9		.6 EST.	10	0	"
662	12/12	0914 / 0926	"		"		0.53	10.9		.6	11	0	FC19
663	12/15	0835 / 0855	ROY-ROBINSON	358.0	564.	5.30	2.73	2930.		.6	16	+.06 -.02	FC51
664	12/15	1007 / 1025	" "	358.0	534.	4.88	2.64	2600.		.6	18	-.18	"
665	12/15	1533 / 1541	ROY	368.0	1109.	8.76	4.04	9700.	FLOATS	10		-.21	
666	12/17	0252 / 0315	BROOK-BONADIMAN	360.0	436.	5.05	2.52	2200.		.6	17	-.06	FC19
667	12/17	0340 / 0410	" "	364.0	822.	5.65	3.25	4650.		.6	14	-.26	"
668	12/19	0914 / 0925	BONADIMAN	CHANNELS			0.62	23.2		.6	9	0	FC46
669	12/26	0918 / 0928	"	19.5	5.06	1.26	0.37	6.5		.5	7	0	"
670	1/2	0910 / 0920	"	20.5	5.07	1.97	0.40	10.0		.6	8	0	FC61
671	1/9	0902 / 0918	"	21.5	6.95	2.02	0.49	14.0		.6	9	0	"
672	1/16	0900 / 0910	"	20.8	6.46	2.00	0.51	12.9		.6	9	0	"
673	1/23	0930 / 0945	MOSES-BONADIMAN	CHANNELS			0.58	17.6		.6	8	0	"
674	1/25	2152 / 2215	BROOK-BONADIMAN	362.0	603.	5.07	2.68	3060.		.6	16	-.04	FC19
675	1/26	1335 / 1358	" "	CHANNELS			2.12	8.05		.6	22	-.07	FC19
676	1/27	1518 / 1547	BONADIMAN		"		0.90	47.7		.6	22	0	FC61
677	1/30	0918 / 0930	"	22.0	11.6	2.56	0.67	29.8		.6	9	+.04	"
678	2/3	0015 / 0035	BONADIMAN-MOSES	354.0	288.	3.75	2.20	1080.		.6	16	0	FC19
679	2/3	0612 / 0632	" "	364.0	1107.	8.73	4.40	9660		.6	13	-.81	"

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
680	2/4	2355 / 0014	BROOK-FEIKER	365.0	639.	7.62	3.01	4870.		.6	16	+.25	FC35
681	2/4	0125 / 0140	" "	365.0	680.	5.85	2.95	3980.		.6	14	-.20	"
682	2/4	0400 / 0416	BONADIMAN-MOSES	368.0	666.	5.99	3.08	3990.		.6	16	-.06	FC19
683	2/4	1422 / 1457	BROOK-FEIKER	366.0	793.	7.20	3.40	5710.		.6	19	-.19	FC35
684	2/5	1602 / 1622	BROOK-BONADIMAN		CHANNELS		2.02	577.		.6	19	0	FC19
685	2/6	1430 / 1452	BONADIMAN		"		1.21	151.		.6	17	0	FC61
686	2/13	0924 / 0946	"		"		0.94	38.6		.6	20	0	"
687	2/19	0620 / 0640	BROOK-BONADIMAN	369.0	1140.	8.74	4.08	9970.		.6	14	+.11	FC19
688	2/20	1745 / 1805	BONADIMAN	353.0	103.	1.63	1.34	168.		.6	16	0	FC61
689	2/25	0547 / 0617	ROY-FEIKER	369.0	878.	7.04	3.23	6180.		.6	18	+.71	FC26
690	2/25	1030 / 1047	" "	361.0	595.	5.24	2.67	3120.		.6	19	-.12	"
691	2/25	1422 / 1436	" "		CHANNELS		2.27	1430.		.6	23	-.02	"
692	2/26	1400 / 1432	BONADIMAN		"		1.22	108.		.6	18	0	FC61
693	2/27	0910 / 0928	"		"		1.06	37.2		.6	15	0	"
694	3/6	1345 / 1408	BROOK-BONADIMAN		"		1.78	535.		.6	23	+.33	FC19
695	3/7	1450 / 1515	BONADIMAN		"		1.00	42.0		.6	17	0	FC61
696	3/11	0827 / 0846	"		"		1.41	292.		.6	20	-.02	"
697	3/13	0855 / 0919	"		"		1.04	43.6		.6	18	-.02	"
698	3/15	1602 / 1624	BROOK-BONADIMAN	359.0	441.	6.24	2.58	2750.		.6	16	+.04	FC19
699	3/15	2255 / 2330	ROY-FENGLER	361.0	707.	5.30	3.20	3750.		.6	14	+.41	FC26
700	3/16	0413 / 0433	" "	365.0	792.	6.30	3.53	4990.		.6	15	-.35	"
701	3/16	1304 / 1326	ROY		CHANNELS		2.21	872.		.6	24	-.02	"
702	3/17	1520 / 1545	BONADIMAN		"		1.43	219.		.6	20	0	FC18
703	3/20	0910 / 0930	"		"		1.04	58.9		.6	18	0	FC61
704	3/20	2000 / 2014	ROY-FEIKER	359.0	520.	6.06	2.52	3150.		.6	15	-.37	FC51
705	3/21	0048 / 0115	" "	359.0	411.	5.09	2.54	2090.		.5 .6	15	.05	"
706	3/21	1517 / 1540	BONADIMAN		CHANNELS		1.21	195.		.5 .6	21	0	FC19
707	3/22	0943 / 1015	BROOK-BONADIMAN		"		2.31	1090.		.6	29	-.06	"
708	3/25	0925 / 0952	BONADIMAN		"		1.21	99.2		.6	24	0	FC61
709	3/27	1150 / 1200	ROY-FEIKER	361.0	585.	5.13	2.73	3000.		.6	15	+.04	FC51
710	3/27	1315 / 1328	" "	365.0	776.	6.06	3.27	4700.		.6	15	+.16	"
711	3/27	1615 / 1628	" "	358.0	461.	5.12	2.63	2360.		.6	15	.07	"
712	3/28	1626 / 1655	BONADIMAN	354.0	97.4	2.05	1.33	200.		.6	23	0	FC61
713	4/1	0745 / 0755	ROY-FEIKER	365.0	766.	6.53	2.93	5000.		.5 .6	15	+.46	FC51
714	4/1	1013 / 1027	" "	366.0	916.	6.62	3.62	6060.		.6	15	-.12	"
715	4/1	1407 / 1418	ROY-FEIKER	363.0	793.	6.36	3.34	5040.		.6	15	+.14	FC51
716	4/2	1514 / 1544	BONADIMAN		CHANNELS		1.53	401.		.6	26	0	FC19
717	4/3	0732 / 0747	BROOK-BONADIMAN	367.0	1250.	9.20	4.35	11500		.6	12	+.35	"
718	4/3	0800 / 0812	BONADIMAN-BROOK	374.0	1220.	12.7	4.70	15500.	FLOATS		12	0	
719	4/4	1620 / 1642	BROOK-BONADIMAN	362.0	456.	5.14	2.61	2340.		.6 SURF	15	0	FC19
720	4/6	1420 / 1038	" "	367.0	830.	6.63	3.59	5500.		.6	15	-.06	FC19
721	4/7	0840 / 0858	" "	365.0	814.	6.54	3.55	5320.		.6	15	-.10	"
722	4/8	1530 / 1600	" "		CHANNELS		2.17	816.		.6	28	0	"
723	4/10	0915 / 0950	BONADIMAN		"		1.44	257.		.6	25	0	"
724	4/17	0850 / 0920	"		"		1.20	80.6		.6	24	0	FC61
725	4/24	0904 / 0930	"		"		1.15	60.3		.6	20	0	"
726	5/1	0852 / 0912	"		"		0.98	33.4		.6	18	0	"
727	5/8	0830 / 0850	"		"		0.92	33.4		.6	18	0	"
728	5/5	0922 / 0942	"		"		0.80	30.9		.6	19	0	"
729	5/22	0830 / 0850	"		"		0.68	22.0		.6	20	0	"
730	5/29	0902 / 0914	BONADIMAN		"		0.67	16.3		.6	10	0	"
731	6/5	0900 / 0910	"		"		0.65	16.3		.6	12	0	"
732	6/12	0910 / 0930	BONADIMAN-LINDSAY		"		0.65	16.3		.6	12	0	"
733	6/19	0910 / 0935	LOHMANN-BONADIMAN		"		0.65	14.9		.6	10	0	"
734	6/26	0915 / 0925	BONADIMAN		"		0.65	15.4		.6	9	0	"
735	7/3	0932 / 0942	"		"		0.65	15.7		.6	9	0	"
736	7/10	0850 / 0902	"		"		0.68	17.0		.6	10	0	"
737	7/17	0908 / 0918	"		"		0.69	17.5		.6	8	0	"
738	7/24	0932 / 0938	BONADIMAN-JORDAN		"		0.67	17.0		.6	9	0	"
739	7/31	0857 / 0910	BONADIMAN	24.0	11.9	1.33	0.62	15.8		.6	10	0	"
740	8/7	0810 / 0925	BONADIMAN-JORDAN	26.0	12.4	1.34	0.61	16.7		.6	11	0	"
741	8/14	0900 / 0910	BONADIMAN	24.5	11.7	1.40	0.74	16.4		.6	9	0	"
742	8/15	1335 / 1354	"		CHANNELS		1.33	102.		.6	17	-.01	"
743	8/16	0900 / 0930	"		"		1.07	68.1		.6	20	-.02	FC61
744	8/21	0900 / 0912	"	24.5	11.1	1.48	0.68	16.4		.6	9	0	FC19
745	8/28	0915 / 0925	"	23.5	13.4	1.22	0.74	16.4		.6	9	0	"
746	9/4	0905 / 0920	BROOK		CHANNELS		0.72	14.0		.6	9	0	FC61
747	9/11	0915 / 0930	"	24.8	12.6	1.15	0.70	14.5		.5 .6	10	0	"
748	9/18	0858 / 0912	BROOK-PETERSEN	24.0	12.2	1.08	0.72	13.2		.5 .6	11	0	"
749	9/25	1230 / 1240	BONADIMAN	22.2	10.8	0.87	0.64	9.4		.6	8	0	FC19

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER

AT NEAR OR Firestone Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 19 59

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
750	10/2	0900 / 0910	BONADIMAN	23.5	12.0	1.14	0.68	13.7		.6	9	0	FC19
751	10/9	0902 / 0912	"		CHANNELS		0.66	14.8		.6	9	0	"
752	10/16	0848 / 0900	"		"		0.64	13.7		.6	8	0	"
753	10/23	0840 / 0859	WALTER-BONADIMAN		"		0.66	15.6		.6	10	0	"
754	10/30	0900 / 0910	BONADIMAN		"		0.64	16.0		.6	9	0	"
755	11/6	0842 / 0852	"		"		0.66	14.5		.6	9	0	"
756	11/13	0920 / 0930	"	23.5	11.1	1.14	0.65	12.7		.6	9	0	"
757	11/20	0928 / 0940	"	22.0	10.2	0.54	0.58	11.8		.6	8	0	"
758	11/26	0902 / 0915	"	24.5	11.7	1.19	0.63	13.9		.6	10	0	"
759	12/4	0912 / 0922	"	22.0	11.3	1.12	0.65	12.7		.6	9	0	"
760	12/11	0905 / 0930	PETERSEN-BONADIMAN		CHANNELS		0.64	13.6		.6	9	0	FC46
761	12/18	0900 / 0910	BONADIMAN	25.0	12.1	1.16	0.64	14.1		.6	9	0	FC19
762	12/26	0902 / 0915	"	22.0	9.20	0.75	0.53	6.9		.6	8	0	"
763	1/2	0915 / 0925	"	22.0	9.67	0.92	0.55	8.8		.6	8	0	"
764	1/6	0250 / 0345	BROOK-BONADIMAN	375.0	1350.	8.67	4.47	11700.		.6	14	+.56	"
765	1/6	1234 / 1248	ROY-PETERSEN		CHANNELS		2.40	1360.		.6	22	-.03	FC51
766	1/7	1600 / 1636	BONADIMAN		"		1.15	59.4		.6	27	0	FC61
767	1/8	0900 / 0910	"	26.0	16.7	1.89	1.03	31.5		.6	8	0	"
768	1/15	0847 / 0900	"	24.0	10.2	1.22	0.88	12.5		.6	9	0	FC19
769	1/22	0900 / 0912	"	25.0	11.4	1.05	0.89	12.0		.6	10	0	"
770	1/29	0900 / 0910	"	25.0	10.1	1.04	0.85	10.5		.6	9	0	FC61
771	2/5	0910 / 0922	"	26.0	10.2	1.19	0.85	12.1		.6	10	0	"
772	2/8	0950 / 1020	BROOK-BONADIMAN		CHANNELS		2.18	1100.		.6	20	-.06	FC19
773	2/9	0945 / 1020	BONADIMAN		CHANNELS		1.18	66.0		.6	28	0	FC61
774	2/11	0500 / 0535	BROOK-BONADIMAN	362.0	810.	6.16	3.20	4990.		.6	17	-.30	FC19
775	2/11	1250 / 1310	ROY-PETERSEN	359.0	671.	6.56	2.85	4400.		.6	15	+.60	FC51
776	2/12	1620 / 1648	BONADIMAN-BROOK		CHANNELS		1.21	94.0		.6	29	0	FC61
777	2/16	0645 / 0656	ROY-PETERSEN	359.0	557.	5.31	2.78	2960.		.6	15	-.04	FC51
778	2/16	1515 / 1532	BROOK-BONADIMAN	370.0	1125.	8.02	3.92	9020.		.6	14	-.15	FC19
779	2/17	1455 / 1530	BONADIMAN-BROOK		CHANNELS		1.98	364.		.6	27	-.04	"
780	2/18	1000 / 1030	BONADIMAN		"		1.00	38.4		.6	26	0	FC61
781	2/19	0840 / 0910	"		"		1.16	87.3		.6	29	-.02	"
782	2/21	1157 / 1217	BROOK-BONADIMAN	362.0	588.	6.99	2.85	4110.		.6	18	+.02	FC19
783	2/21	1350 / 1404	ROY-PETERSEN	358.0	555.	5.75	2.82	3190.		.6	15	0	FC51
784	2/22	0830 / 0900	BONADIMAN		CHANNELS		1.37	222.		.6	30	0	FC61
785	2/26	0902 / 0915	"	25.0	13.5	1.51	1.07	20.4		.6	10	0	FC19
786	3/5	0905 / 0918	"		CHANNELS		0.91	15.7		.6	10	0	FC61
787	3/12	0905 / 0920	"		"		0.90	18.3		.6	10	0	"
788	3/19	0912 / 0925	"		"		0.83	14.6		.6	10	0	"
789	3/26	0855 / 0910	"		"		0.83	14.4		.6	10	0	"
790	4/2	0855 / 0910	"		"		0.83	14.4		.6	11	0	"
791	4/9	0900 / 0915	"		"		0.82	14.6		.6	10	0	"
792	4/16	0900 / 0915	"		"		0.85	17.5		.6	9	0	"
793	4/23	0840 / 0854	"		"		0.84	14.3		.6	10	0	"
794	4/25	2140 / 2202	BROOK-BONADIMAN		"		2.06	1050.		.6	20	+.20	FC19
795	4/26	1255 / 1327	BONADIMAN		"		1.42	161.		.6	26	0	"

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METH-OD	MEAS. SEC. NO.	GA. HT. CHANGE TOTAL	METER NO.
796	4/30	0905 / 0918	BONADIMAN	CHANNELS			0.94	19.0		.6	10	0	FC61
797	5/7	0900 / 0918	"	24.5	10.9	1.36	0.97	14.8		.6	9	0	"
798	5/14	0900 / 0912	"	27.0	11.8	1.42	1.10	16.8		.6	9	0	"
799	5/21	0915 / 0926	"	27.5	11.1	1.31	1.07	14.5		.6	10	0	"
800	5/28	0910 / 0925	"	27.0	10.5	1.30	1.12	13.7		.6	11	0	"
801	6/4	0930 / 0944	"	26.5	10.2	1.34	1.15	13.7		.6	11	0	"
802	6/11	0905 / 0925	"	18.5	10.1	1.52	1.12	15.4		.6	9	0	"
803	6/18	0910 / 0925	"	25.5	8.85	1.52		13.4		.6	10	0	"
804	6/25	0900 / 0912	"	19.0	8.90	1.37		12.2		.6	9	0	"
805	7/2	0900 / 0910	"	19.0	8.71	1.24		10.8		.6	7	0	FC19
806	7/9	0920 / 0935	"	15.5	7.70	1.45		11.2		.6	9	0	"
807	7/16	0850 / 0900	BONADIMAN	15.5	6.43	1.36		11.5		.6	8	0	FC19
808	7/23	0845 / 0902	"	13.5	7.30	1.33		9.7		.6	8	0	"
809	7/30	0905 / 0920	"	20.0	9.48	1.24		11.6		.6	10	0	"
810	8/6	0915 / 0925	"	14.5	9.14	1.78		16.3		.6	8	0	"
811	8/13	0900 / 0910	"	16.5	7.46	1.47		11.0		.6	9	0	"
812	8/20	0905 / 0917	"	13.0	7.17	1.45	0.92	10.4		.6	9	0	"
813	8/27	0822 / 0835	"	14.0	6.59	1.61	0.91	10.6		.6	9	0	"
814	9/3	0850 / 0905	BROOK	13.0	7.43	1.67	0.90	12.4		.6	8	0	FC35
815	9/10	0853 / 0904	"	11.0	5.85	2.05	0.92	12.0		.6	9	0	"
816	9/17	0856 / 0906	"	10.8	5.86	2.10	0.94	12.3		.6	9	0	"
817	9/24	0850 / 0900	BONADIMAN	14.0	7.17	1.21	0.91	8.6		.6	9	0	FC19

76D74M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F340-R

Daily discharge, in second-feet of LOS ANGELES RIVER below Firestone Boulevard, for the year ending September 30, 1958

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	8.9	21	4.3	9.6	14.7	38	3280	37	9.6	12.5	15.6	4.8
2	8.9	98	6.9	11.0	146	43	749	37	14.0	14.0	15.6	9.6
3	6.4	376	6.9	21	3930	48	5500	32	14.0	15.6	15.6	13.2
4	6.9	34	8.9	15.6	5160	57	2750	34	14.0	14.7	15.6	12.5
5	6.9	54	1400	10.3	720	66	1800	37	14.0	6.9	17.4	11.8
6	6.4	28	159	12.5	111	473	2180	41	13.2	7.4	17.4	8.9
7	11.8	10.3	20	14.7	79	b 66	2580	40	8.9	10.3 a	17.3	6.4
8	8.9	8.1	10.3	16.5	89	27	1020	37	8.9	14.0	17.2	11.0
9	11.0	6.9	10.3	14.7	80	19.2	358	37	12.5	14.7	17.1	14.0
10	11.0	5.4	10.3	33	44	18.3	247	31	17.4	14.7	16.9	14.0
11	b550	6.9	9.6	20	30	171	198	29	17.4	15.6	16.8	14.7
12	138	8.9	11.0	7.4	28	57	176	30	16.5	14.0	16.7	14.0
13	55	8.9	13.2	10.3	37	58	160	31	14.7	11.8 a	16.6	8.9
14	609	8.9	14.0	13.2	22	128	135	35	11.0	11.0	16.5	5.4
15	36	10.3	2740	13.2	16.5	1180	122	30	9.6	14.0	64	11.0
16	9.6	6.9	1320	14.0	11.8	2350	92	29	12.5	16.5	59	11.8
17	b 6.9	5.4	1300	14.0	10.3	170	80	31	15.6	14.7	21	14.0
18	11.8	7.4	126	8.1	11.0	96	77	20	14.7	13.2	19.2	12.5
19	11.0	11.0	23	6.9	6290	74	79	26	14.7	11.0	22	11.8
20	114	9.6	16.5	9.6	518	611	71	22	13.2	8.1	21	11.8
21	212	8.1	12.5	14.0	109	663	69	23	8.9	7.4	16.5	5.4
22	23	7.4	8.1	18.3	103	1770	71	21	7.4	8.9	14.7	9.6
23	13.2	5.9	9.6	18.3	69	135	61	18.3	11.8	17.4	11.0	15.6
24	9.6	5.4	11.0	22	80	101	58	12.5	14.0	14.7	10.3	28
25	6.9	6.9	6.4	598	1980	75	56	11.0	14.7	14.0	13.2	11.0
26	6.4	8.1	8.1	1740	117	75	48	14.7	14.0	13.2	16.5	11.8
27	6.9	6.4	11.0	43	47	1230	42	16.5	12.5	12.5	12.5	20
28	8.1	5.4	9.6	25	36	246	42	15.6	18.3	13.2	15.6	7.4
29	7.4	5.9	9.6	22		113	41	14.7	8.1	14.7	14.7	11.0
30	8.1	4.8	10.3	73		146	41	11.0	10.3	14.7	11.8	13.2
31	6.7		11.8	41		124		8.1		15.6	5.9	
		790.2		2890.2		10,428.5		812.4		401.0		355.1
	2222.0		7318.2		19,889.3		22,183.0		386.4		5812	
MEAN	71.7	26.3	236.	93.2	710.	336.	739.	26.2	12.9	12.9	18.7	11.8
ACRE-FEET	4410.	1570.	14,520.	5730	39,450.	20,680.	44,000.	1610.	766.	795.	1150.	704.

Remarks:

YEAR OR PERIOD MEAN 191.
ACRE-FEET 138,400.

76D74M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

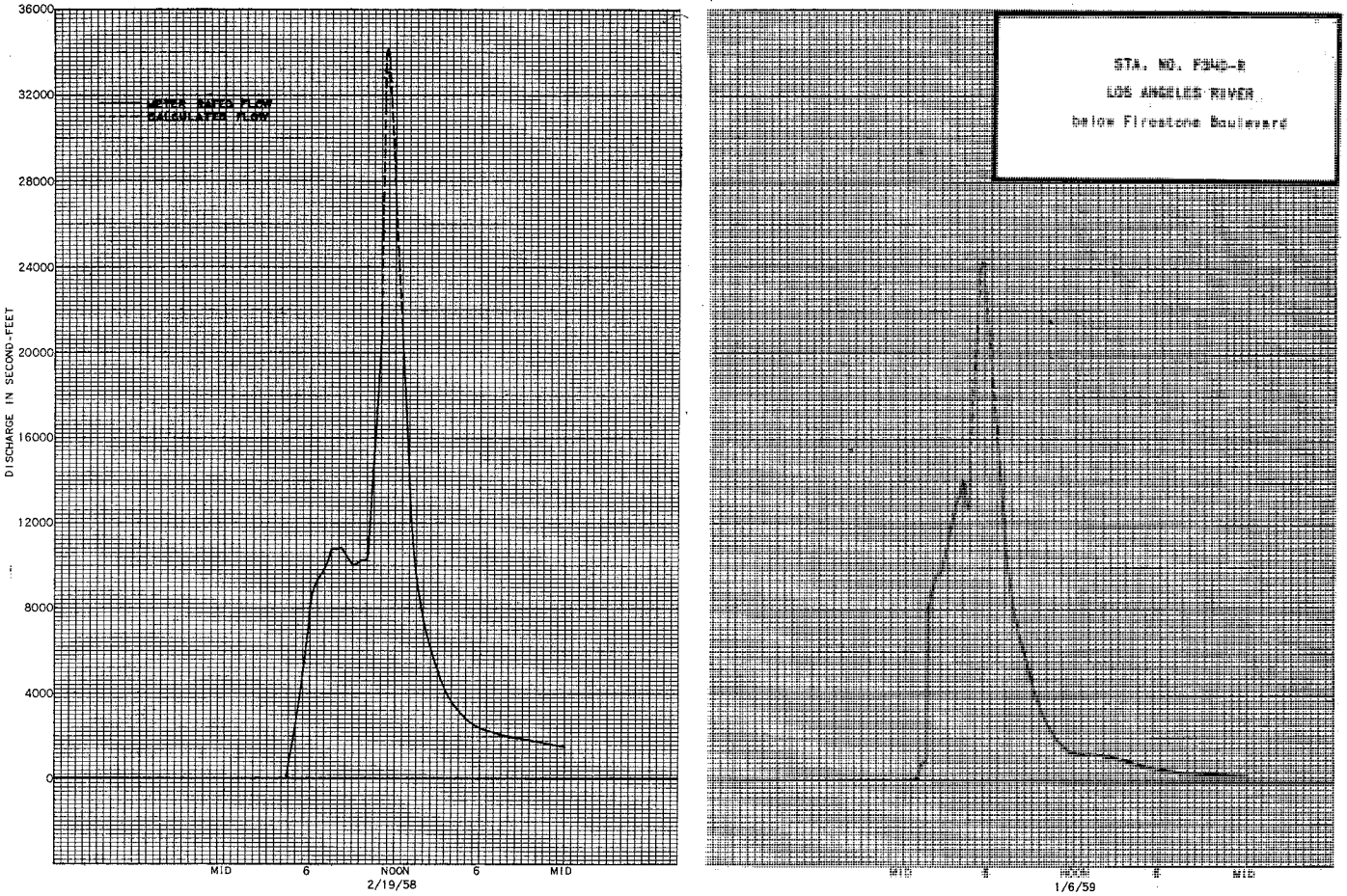
Sta. No. F340-R

Daily discharge, in second-feet of LOS ANGELES RIVER below Firestone Boulevard, for the year ending September 30, 1959

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	17.4	8.9	13.2	10.3	6.4	10.3	14.0	18.3	12.5	9.6	b 12.6	14.7
2	14.0	7.4	14.0	10.3	8.9	10.3	14.0	18.3	14.0	b 10.8	13.4	16.5
3	14.7	11.8	13.2	13.2	10.3	14.7	14.0	12.5	14.7	10.9	14.0	16.5
4	9.6	14.0	13.2	10.3	11.8	15.6	13.2	14.0	15.6	10.9	15.6	16.5
5	7.4	14.0	12.5	14.7	12.5	14.7	11.0	19.2	15.6	11.0	16.0	10.3
6	13.2	15.6	7.4	4710	11.0	15.6	11.8	14.0	13.2	11.0	16.3	7.4
7	14.0	15.6	8.1	85	17.9	15.6	14.7	18.3	11.0	11.1	15.8	6.9
8	15.6	10.3	11.8	32	811	13.2	14.7	21	12.5	11.1	15.0	10.3
9	14.7	8.1	14.0	23	85	14.7	15.6	15.6	14.0	11.2	14.2	13.2
10	17.4	13.2	15.6	13.2	75	20	16.5	12.5	14.7	11.2	13.5	12.5
11	11.0	14.0	14.7	11.8	2800	17.4	10.3	13.2	b 13.4	11.3	12.8	12.5
12	9.6	12.5	14.0	14.7	274	17.4	8.9	16.5	10.4	11.3	11.9	9.6
13	14.0	14.7	10.3	16.5	72	16.5	12.5	16.5	9.6	11.4	11.0	14.7
14	14.0	14.7	8.1	14.7	57	14.7	14.0	16.5	10.0	11.4	11.0	15.6
15	12.5	8.1	11.8	13.2	50	11.8	16.5	16.5	9.0	11.5	10.9	15.6
16	14.0	6.9	13.2	14.0	2950	12.5	15.6	14.0	14.4	11.5	10.8	14.7
17	15.6	10.3	14.7	8.1	358	15.6	14.7	11.0	13.6	11.3	10.7	14.7
18	11.8	14.0	15.6	6.9	53	16.5	b 11.0	11.8	16.0	11.0	10.6	14.7
19	10.3	11.8	16.5	12.5	84	14.7	7.0	14.0	20	10.8	b 10.5	9.6
20	14.0	14.7	11.0	15.6	26	14.0	9.0	14.7	17.0	10.5	11.8	6.4
21	16.5	14.7	12.5	28	1030	12.5	13.1	17.4	15.8	10.2	11.8	10.3
22	16.5	10.3	14.0	12.5	138	11.0	b 12.8	16.5	15.8	10.0	7.4	13.2
23	17.4	9.6	16.5	12.5	39	13.2	12.5	11.8	15.0	9.7	6.4	10.3
24	16.5	12.5	14.7	8.1	22	14.0	14.7	12.5	16.0	10.0	9.6	10.3
25	63	14.0	8.1	5.9	21	14.0	165	17.4	13.6	10.3	11.8	19.2
26	22	14.7	9.6	8.9	20	14.7	378	19.2	12.0	10.6	11.0	7.4
27	16.5	9.6	10.3	17.4	20	15.6	53	18.3	10.4	10.8	10.3	5.9
28	17.4	10.3	8.1	14.0	14.7	13.2	25	14.7	10.5	11.1	8.9	9.6
29	17.4	8.9	12.5	10.3		10.3	19.2	16.5	10.5	11.4	5.9	11.8
30	15.6	8.9	14.7	10.3		12.5	19.2	10.3	b 8.0	11.6	7.4	9.6
31	14.0		14.7	7.4		14.0		8.9		b 12.0	10.3	
	497.6		388.6		9053.5		971.5		398.8		359.2	
		354.1		5185.3		440.8		471.9		338.5		360.5
MEAN	16.1	11.7	12.5	167.	323.	14.2	32.4	15.2	13.3	10.9	11.6	12.0
ACRE-FEET	987.	698.	770.	10280.	17960.	874.	1930.	936.	791.	671.	712.	715.

Remarks:

YEAR OR PERIOD MEAN 51.6
ACRE-FEET 37320.



STATION F319-R
LOS ANGELES RIVER below Belhart Street

LOCATION: WATER-STAGE RECORDER, LAT. 33°49'06", LONG. 118°12'1 ", ON THE RIGHT (WEST) BANK BELOW BELHART STREET BRIDGE, ELEVATION OF ZERO GAGE HEIGHT 11.91 FEET. FORMER STATION F180-R WAS LOCATED ON THE PACIFIC COAST HIGHWAY BRIDGE APPROXIMATELY 1.94 MILES DOWNSTREAM.

DRAINAGE AREA: 810 SQUARE MILES (EXCLUDES AREA ABOVE SANTA FE DAM).

CHANNEL AND CONTROL: TRAPEZOIDAL CONCRETE, 352.25 FEET WIDE AT BOTTOM WITH 2.25 TO 1 FOOT SLOPED LEVEES, 0.5 FOOT INVERTED BOTTOM TO LOW FLOW CHANNEL 28 FEET WIDE AND 1.0 FOOT DEEP IN CENTER OF CHANNEL. CHANNEL FORMS CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM CABLE CAR AT THE STATION.

RECORDER: A STEVENS A-35B CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1957 TO SEPTEMBER 30, 1959.

REGULATION AND/OR DIVERSIONS: FLOW IS SUBJECT TO THE SAME REGULATION AS STATION F34D-R AND STATION F45B-R.

RECORDS AVAILABLE: JANUARY 13, 1956 TO SEPTEMBER 30, 1959 AT STATION F319R. FOR EARLIER RECORDS, OCTOBER 31, 1931 TO JANUARY 13, 1956, SEE STATION F180-R. PRIOR TO 1931, SEE STATION F36-R, LOS ANGELES RIVER AT WILLOW STREET.

EXTREMES OF DISCHARGE:
1957-58
MAXIMUM 43,820 SECOND-FEET, FEBRUARY 19.
MINIMUM 6.4 SECOND-FEET, DECEMBER 26.
1958-59
MAXIMUM 30980 SECOND-FEET JANUARY 6.
MINIMUM 7.2 SECOND-FEET FEBRUARY 1.
1931-59 (STATION F180-R)
MAXIMUM 99,000 SECOND-FEET ESTIMATED MARCH 2, 1938.
MINIMUM NO FLOW AT TIMES IN 1930-31 AND 1933-34.

ACCURACY: GOOD FOR HIGH FLOWS, FAIR FOR LOW FLOWS DUE TO DEPOSITION OF DEBRIS FROM UNPAVED CHANNEL UPSTREAM (TEMPORARY CONDITION).

OPERATION: CONSTRUCTED BY THE CORPS OF ENGINEERS, DEPARTMENT OF THE ARMY. LOCATED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT IN COOPERATION WITH THE UNITED STATES GEOLOGICAL SURVEY, WATER RESOURCES BRANCH, AND CORPS OF ENGINEERS, DEPARTMENT OF THE ARMY.

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER

AT or NEAR below Belhart Street DURING THE YEAR ENDING SEPTEMBER 30, 1958

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATINGS	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
141	10/3	1220 / 1230	BONADIMAN	23.3	11.6	1.17	0.93	13.6		.6	7	0	FC19
142	10/10	1140 / 1152	"	24.0	11.5	1.29	0.99	14.8		.6	8	0	"
143	10/11	0940 / 1008	BROOK-BONADIMAN	304.0	343.	5.80	2.44	1990.		.6	20	-.07	"
144	10/12	1140 / 1200	BONADIMAN	243.0	84.7	1.98	1.62	168.		.6	16	0	"
145	10/14	0325 / 0357	BONADIMAN-BROOK	303.0	388.	6.78	2.79	2640.		.6	17	+.07	"
146	10/15	1207 / 1220	BROOK	23.0	15.7	2.68	0.96	42.1		.6	13	0	FC35
147	10/17	1218 / 1228	BONADIMAN	23.0	10.0	1.30	0.68	13.0		.6	7	0	FC19
148	10/21	0210 / 0235	BROOK-BONADIMAN	303.0	274.	5.10	2.35	1400.		.6	17	-.17	"
149	10/21	1105 / 1130	" "	301.0	155.	2.82	1.89	437.		.6	17	-.02	"
150	10/24	1135 / 1145	BONADIMAN	23.0	10.1	1.54	0.68	15.5		.6	9	0	"
151	10/31	1220 / 1244	BROOK-BONADIMAN	301.0	119.	2.12	1.75	258.		.6	17	-.01	FC46
152	11/3	0217 / 0240	" "	304.0	384.	5.91	2.72	2270.		.6	17	-.08	FC19
153	11/4	1030 / 1040	BONADIMAN		CHANNELS		1.31	93.2		.6	7	0	"
154	11/7	1150 / 1200	"	23.0	10.9	1.62	0.73	17.7		.6	8	0	"
155	11/14	1120 / 1130	"	23.0	10.8	1.51	0.72	16.3		.6	8	0	"
156	11/21	1115 / 1125	"	23.0	11.1	1.16	0.73	12.9		.6	7	0	"
157	11/27	1130 / 1130	"	23.0	11.7	1.26	0.71	14.7		.6	7	0	"
158	12/5	0535 / 0610	BROOK-BONADIMAN	304.0	568.	7.85	3.20	4460.		.6	16	-.33	"
159	12/5	1855 / 1917	BONADIMAN-BROOK	306.0	565.	7.68	3.31	4340.		.6	16	-.21	FC46
160	12/6	1405 / 1425	BROOK-BONADIMAN	210.0	59.0	2.05	1.50	121.		.5 / .6	16	0	FC46 FC61
161	12/12	1155 / 1206	BONADIMAN	21.0	7.78	1.50	0.65	11.7		.6	7	0	FC19
162	12/15	0940 / 1005	BROOK-BONADIMAN	307.0	655.	7.34	3.63	4810.		.6	17	-.14	"
163	12/15	1647 / 1655	" "	310.0	901.	9.29	4.40	8370.	FLOATS SURF.	14	0		
164	12/16	1445 / 1510	" "	302.0	273.	4.43	2.18	1210.		.6	16	-.04	FC46
165	12/17	0525 / 0550	" "	305.0	705.	7.38	3.87	5200.		.6	12	-.33	FC19
166	12/18	1437 / 1448	BONADIMAN	24.0	16.4	3.36	1.04	55.1		.6	9	0	FC46
167	12/19	1236 / 1242	BONADIMAN-BROOK	25.0	17.9	1.74	0.96	31.1		.6	7	+.06	"
168	12/26	1132 / 1142	BONADIMAN	12.0	4.00	1.42	0.59	5.7		.5	8	0	"
169	1/2	1147 / 1200	"	21.0	6.83	1.31	0.68	9.0		.6	11	0	FC61
170	1/9	1152 / 1202	"	23.0	12.2	1.63	0.86	19.9		.6	10	0	"
171	1/16	1134 / 1150	"	24.2	13.1	1.39	0.85	18.2		.6	10	0	"
172	1/23	1240 / 1250	MOSES-BONADIMAN	25.0	14.4	1.39	0.90	20.0		.6	9	0	"
173	1/26	0050 / 0120	BROOK-BONADIMAN	311.0	929.	8.57	4.47	7960.		.6	15	-.12	FC19
174	1/26	1602 / 1625	" "	303.0	247.	3.53	2.13	885.		.6	17	-.04	"
175	1/27	1400 / 1422	BONADIMAN-BROOK	188.0	53.2	1.72	1.25	91.5		.5 / .6	15	0	FC61 FC19
176	1/30	1251 / 1302	" "	200.0	57.9	1.80	1.43	104.		.6	14	+.01	FC61
177	1/30	1625 / 1645	BONADIMAN	302.0	113.	2.07	1.70	234.		.6	17	-.02	FC61 FC19
178	2/3	0205 / 0224	BONADIMAN-MOSES	302.0	272.	4.26	2.34	1160.		.6	15	0	FC19
179	2/3	0855 / 0912	" "	309.0	903.	7.74	4.22	6990.		.6	15	-.29	"
180	2/4	0502 / 0536	BROOK-FEIKER	311.0	1040.	8.63	4.53	8980.		.6	14	-.07	FC35
181	2/4	0930 / 1002	BONADIMAN-MOSES	318.0	1340.	10.9	5.8	14630.		.6	15	+.27 / -.05	FC19
182	2/5	1347 / 1408	BROOK-BONADIMAN	303.0	217.	3.02	2.03	656.		.6	17	0	"
183	2/6	1303 / 1316	BONADIMAN-BROOK	75.0	29.8	3.72	1.41	111.		.6	13	0	FC61
184	2/13	1214 / 1226	BONADIMAN	26.0	23.2	1.89	1.28	43.8		.6	7	0	FC19
185	2/19	0900 / 0925	BROOK-BONADIMAN	313.0	1330.	10.9	5.64	14500.		.6	12	-.14	"
186	2/19	1246 / 1311	" "	330.0	2530.	13.8	8.72	34900.		.6	12	-.76	FC46
187	2/20	1406 / 1435	BONADIMAN	302.0	107.	2.32	1.72	258.		.6	16	0	FC46 FC61
188	2/25	0705 / 0725	BROOK-BONADIMAN	316.0	1330.	12.0	5.78	16010.		.6	16	+.04	FC19
189	2/25	0742 / 0757	" "	320.0	1360	11.6	5.84	15800.		.6	12	-.26	"
190	2/26	1134 / 1155	BONADIMAN-BROOK	249.0	72.3	2.24	1.59	162.		.6	17	-.01	FC61
191	2/27	1210 / 1220	BONADIMAN	23.0	17.2	2.79	1.02	48.1		.6	9	0	FC61
192	3/6	1445 / 1526	BROOK-BONADIMAN	301.0	236.	4.23	2.15	999.		.6	20	-.09	FC19
193	3/7	1330 / 1342	BONADIMAN	26.5	22.4	3.51	1.13	78.7		.6	9	0	FC61
194	3/11	1008 / 1030	"	300.0	149.	2.53	1.86	377.		.6	17	-.01	FC19
195	3/13	1135 / 1150	"	26.5	23.6	3.44	1.23	81.2		.6	9	0	"
196	3/15	1824 / 1850	BROOK-BONADIMAN	307.0	519.	7.70	3.20	4000.		.6	21	-.04	"
197	3/16	0440 / 0500	" "	316.0	1180.	11.5	5.43	13600.		.6	17	-.35	"
198	3/17	1413 / 1436	BONADIMAN-BROOK	302.0	162.	2.70	1.88	438.		.6	19	-.02	"
199	3/20	1210 / 1220	BONADIMAN	25.0	19.8	3.14	1.07	62.1		.6	7	0	"
200	3/20	2143 / 2208	BROOK-BONADIMAN	310.0	682.	7.99	3.68	5450.		.6	21	-.11	"
201	3/21	1350 / 1415	BONADIMAN-BROOK	302.0	154.	2.53	1.83	390.		.5 / .6	19	0	"
202	3/22	0427 / 0445	BROOK-BONADIMAN	310.0	716.	8.67	3.74	6210.		.6	16	-.12	"
203	3/25	1125 / 1140	BONADIMAN	28.0	23.9	3.13	1.19	74.9		.6	9	0	"
204	3/27	1346 / 1407	BROOK-BONADIMAN	310.0	873.	9.45	4.36	8250.		.6	21	-.17	"
205	3/28	1321 / 1351	BONADIMAN-BROOK	265.0	95.5	2.19	1.66	209.		.5 / .6	17	-.01	FC61 FC19
206	3/31	1000 / 1022	BONADIMAN	250.0	73.3	1.92	1.66	141.		.6	17	-.01	FC61 FC19
207	4/1	1047 / 1112	BROOK-BONADIMAN	313.0	904.	9.71	4.51	8780.		.6	21	-.08 +.20	FC19
208	4/1	1130 / 1153	" "	315.0	1040.	10.3	4.92	10680.		.6	17	-.07	"
209	4/2	1332 / 1352	BONADIMAN-BROOK	303.0	213.	3.34	1.99	712.		.6	20	+.18	"
210	4/3	1006 / 1030	BROOK-BONADIMAN	318.0	1330.	11.3	5.96	15000.		.6	21	-.11	"
211	4/4	1508 / 1535	" "	305.0	400.	6.22	2.76	2490.		.6	21	0	"
212	4/6	1530 / 1550	" "	311.0	854.	9.05	4.28	7730.		.6	19	-.12	"
213	4/7	1100 / 1117	" "	312.0	834.	9.23	4.30	7700.		.6	21	-.16	"
214	4/8	1240 / 1310	" "	304.0	271.	3.28	2.21	888.		.6	21	0	"
215	4/10	1236 / 1243	BONADIMAN	301.0	132.	1.91	1.83	252.		.5 / .6	18	-.02	"
216	4/17	1202 / 1220	"	27.0	25.1	2.79	1.26	70.3		.6	9	0	FC61
217	4/24	1230 / 1240	"	26.5	22.5	1.72	1.25	38.4		.6	9	0	FC19
218	5/1	1150 / 1200	"	27.0	20.4	1.35	1.23	27.5		.6	9	0	"
219	5/8	1316 / 1326	"	27.0	19.5	1.49	1.24	29.0		.6	9	0	"
220	5/15	1152 / 1204	"	27.0	18.2	1.34	1.23	24.3		.6	9	0	"
221	5/22	1140 / 1155	"	27.0	16.7	1.27	1.23	21.2		.6	9	0	"
222	5/29	1210 / 1222	"	27.0	15.9	1.32	1.22	21.0		.6	9	0	"
223	6/5	1220 / 1230	"		CHANNELS		1.23	23.6		.6	7	0	"
224	6/12	1207 / 1220	"	27.0	13.4	1.24	1.25	16.6		.6	11	0	"
225	6/19	1237 / 1250	"	27.0	17.0	1.14	1.30	19.4		.6	9	0	"
226	6/26	1155 / 1210	"	27.0	14.9	1.22	1.30	18.2		.6	9	0	"
227	7/3	1312 / 1324	"		CHANNELS		1.33	19.3		.6	9	0	"
228	7/10	1205 / 1215	"	27.0	16.1	1.45	1.35	23.3		.6	9	0	"
229	7/17	1210 / 1225	"	55.0	16.5	1.17	1.36	19.3		.6	11	0	"
230	7/24	1305 / 1316	"	60.0	18.0	1.11	1.35	20.1		.6	10	0	"
231	7/31	1137 / 1154	"	102.0	18.6	1.22		22.7		.6	10		FC61
232	8/7	1250 / 1300	"	27.0	16.8	1.31	1.20	22.1		.6	8	0	FC19
233	8/14	1155 / 1206	"	27.0	21.4	1.30	1.22	27.8		.6	8	0	"
234	8/15	1615 / 1642	"	302.0	297.	3.32	2.25	986.		.6	18	-.12	"
235	8/16	1024 / 1050	"	226.0	77.2	1.49	1.67	115.		.6	18	-.02	FC61 FC19
236	8/21	1300 / 1310	"	25.0	15.4	1.33		20.5		.6	7		FC19
237	8/27	1210 / 1222	"	27.0	17.2	1.31	1.20	22.5		.6	9	0	"
238	9/4	1233 / 1245	BROOK	27.0	15.4	1.39	1.20	21.4		.6	10	0	FC61
239	9/11	1244 / 1258	"	25.0	13.2	1.47	0.96	19.4		.5 / .6	10	+.01	"
240	9/18	1155 / 1207	BROOK-PETERSEN	25.1	13.4	1.55	0.96	20.8		.5 / .6	11	0	"
241	9/25	1500 / 1510	BONADIMAN	24.0	10.6	1.15	0.83	12.2		.6	7	0	FC19

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER

AT OR NEAR below Belhart Street DURING THE YEAR ENDING SEPTEMBER 30, 1959

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
242	10/2	1200 / 1210	BONADIMAN	25.0	13.7	1.50	0.98	20.6		.6	7	+.0	FC19
243	10/9	1205 / 1215	"	25.0	14.4	1.42	0.94	20.4		.6	7	0	"
244	10/16	1132 / 1142	"	24.0	13.3	1.38	0.94	18.3		.6	7	0	"
245	10/23	1250 / 1300	WALTER-BONADIMAN	24.5	15.7	1.59	1.06	24.7		.6	7	0	"
246	10/25	0902 / 0915	BONADIMAN	26.5	21.9	1.87	1.32	41.0		.6	7	+.02	"
247	10/25	1222 / 1240	"	298.0	125.	1.95	1.79	243.		.6	16	-.01	"
248	10/30	1204 / 1215	"	23.5	10.5	1.35	0.72	14.2		.6	8	0	"
249	11/6	1120 / 1130	"	24.0	11.8	1.47	0.80	17.3		.6	7	0	"
250	11/13	1215 / 1225	"	23.0	11.3	1.39		15.7		.6	7		"
251	11/20	1210 / 1220	"	23.0	9.66	1.20		11.6		.6	7		"
252	11/26	1205 / 1215	"	23.0	10.6	1.44	0.81	15.3		.6	7	0	"
253	12/4	1220 / 1230	"	23.0	10.9	1.42		15.5		.6	7		"
254	12/11	1300 / 1310	PETERSEN-BONADIMAN	23.0	11.9	1.55	0.78	18.5		.6	7	0	FC46
255	12/18	1120 / 1130	BONADIMAN	23.0	11.3	1.27		14.4		.6	7		FC19
256	12/26	1136 / 1146	"	22.5	7.79	1.03		8.0		.6	7		"
257	1/2	1154 / 1208	"	22.5	8.13	1.15		9.4		.6	8		"
258	1/6	0640 / 0655	BROOK-BONADIMAN	330.0	2070.	12.0	7.80	30000.		FLOATS	11	+.54	
259	1/6	1300 / 1322	" "	303.0	355.	5.96	2.62	2120.		.6	20	-.11	FC19
260	1/7	1332 / 1350	BONADIMAN	250.0	69.9	2.29	1.63	160.		.6	14	0	FC61
261	1/8	1200 / 1212	"	26.0	18.2	3.04	1.07	55.3		.6	7	0	"
262	1/15	1130 / 1142	"	24.5	12.2	1.50	0.93	18.3		.6	8	0	FC19
263	1/22	1130 / 1140	"	32.0	13.8	1.22	0.80	16.8		.6	7	0	"
264	1/29	1140 / 1152	"	25.0	14.6	1.61	0.94	23.6		.6	7	0	FC61
265	2/5	1240 / 1250	"	24.0	10.3	1.52	0.75	15.7		.6	9	0	"
266	2/8	1126 / 1150	BROOK-BONADIMAN	302.	330.	5.48	2.52	1810.		.6	21	-.07	FC19
267	2/9	1250 / 1317	BONADIMAN-BROOK		CHANNELS		1.50	110.		.5 / .6	19	0	FC61 / FC19
268	2/11	0800 / 0830	BROOK-BONADIMAN	314.	1060.	10.5		11100.		.6	20	-.59	FC19
269	2/12	1330 / 1400	BONADIMAN-BROOK	300.	133.	2.18	1.82	290.		.6	21		FC61 / FC19
270	2/16	0935 / 1000	BROOK-BONADIMAN	306.	506.	6.98	2.94	3530.		.6	20	-.12	FC19
271	2/16	1706 / 1723	" "	311.	870.	9.00		7830.		.6	17	-.29	"
272	2/17	1130 / 1156	BONADIMAN-BROOK	303.	168.	2.86	1.93	480.		.5 / .6	21	0	"
273	2/19	1300 / 1320	BONADIMAN	180.	50.7	2.39	1.59	121.		.6	16	-.02	FC61 / FC19
274	2/21	1342 / 1405	BROOK-BONADIMAN	307.	553.	7.87	3.37	4350.		.6	20	-.01	FC19
275	2/22	1027 / 1055	BONADIMAN-BROOK	301.	122.	2.45	1.82	299.		.6	21	-.04	FC61 / FC19
276	2/26	1210 / 1220	BONADIMAN	25.0	14.9	1.90	0.96	28.3		.6	7	0	FC19
277	3/5	1145 / 1200	"	25.0	14.6	1.86	0.99	27.2		.6	8	0	"
278	3/12	1156 / 1210	"	25.0	17.3	1.80	1.00	31.1		.6	9	0	FC61
279	3/19	1200 / 1210	"	24.0	12.2	1.52	1.88	18.5		.6	8	0	"
280	3/26	1200 / 1215	"	25.0	12.5	1.65	0.84	20.6		.6	8	0	"
281	4/2	1240 / 1254	"	24.0	12.8	1.72	0.90	22.0		.6	8	0	"
282	4/9	1140 / 1150	"	24.0	11.6	1.73	0.82	20.1		.6	7	0	"
283	4/16	1200 / 1210	"	25.0	10.6	1.48	0.79	15.7		.6	8	0	"
284	4/23	1235 / 1245	"	24.0	11.9	1.66	0.82	19.7		.6	9	0	"
285	4/26	0120 / 0148	BROOK-BONADIMAN	305.	497.	7.10		3530.		.6	16	+.16	FC19
286	4/26	1154 / 1204	BONADIMAN-BROOK	302.	169.	3.00	1.94	508.		.6	19		"
287	4/30	1225 / 1236	BONADIMAN	24.0	10.9	1.80	0.82	19.6		.6	8	0	FC61
288	5/7	1205 / 1220	"	24.0	12.0	1.62	0.86	19.4		.6	8	0	"
289	5/14	1150 / 1200	"	23.5	10.6	1.74	0.89	18.4		.6	8	0	"
290	5/21	1310 / 1322	"	24.0	11.0	1.53	0.85	16.8		.6	8	0	"
291	5/28	1220 / 1230	"	24.6	11.8	1.63	0.89	19.2		.6	8	0	"
292	6/4	1230 / 1240	"	23.5	12.1	1.47	0.88	17.8		.6	8	0	"
293	6/11	1315 / 1330	ROY	24.0	11.0	1.42	0.82	15.6		.5 / .6	15	0	"
294	6/18	1210 / 1225	BONADIMAN	24.6	13.4	1.58	0.78	21.2		.6	8	0	"
295	6/25	1210 / 1220	"	24.0	10.8	1.77	0.76	19.1		.6	8	0	"
296	7/2	1155 / 1210	"	24.0	9.54	1.60	0.75	15.3		.6	8	0	FC19
297	7/9	1220 / 1230	"	24.0	10.9	1.69	0.78	18.4		.6	8	0	"
298	7/16	1155 / 1210	"	24.0	10.1	1.64	0.78	16.6		.6	8	0	"
299	7/23	1146 / 1200	"	24.6	12.2	1.62	0.80	19.8		.6	8	0	"
300	7/30	1225 / 1235	"	24.8	13.8	1.40	0.93	19.3		.6	8	0	"
301	8/6	1155 / 1210	"	24.0	12.7	1.37	0.89	17.5		.6	8	0	"
302	8/13	1200 / 1210	"	24.4	13.0	1.28	0.85	16.6		.6	8	0	"
303	8/20	1150 / 1200	"	25.0	13.2	1.41	0.61	18.6		.6	8	0	"
304	8/27	1200 / 1210	"	26.0	14.0	1.62	0.55	22.7		.6	8	0	"
305	9/3	1144 / 1155	BROOK	25.0	13.4	1.40		18.7		.6	8	0	FC35
306	9/10	1142 / 1152	"	26.0	13.6	1.40		19.1		.6	8		"
307	9/17	1148 / 1200	"	24.5	12.2	1.37		16.7		.5 / .6	8		"
308	9/24	1210 / 1220	BONADIMAN	24.0	11.7	1.32	0.55	15.5		.6	8	0	FC19

78D74M C-6 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F319-R

Daily discharge, in second-feet of LOS ANGELES RIVER below Belhart Street, for the year ending September 30, 1958

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	13.8	27	11.0	11.5	11.6	31	4620	28	10.0	17.0 b	23 b	21
2	14.6	43	12.0	10.5	50	30	1020	26	10.5	18.6	23	21
3	15.4	648	13.0	21	4120	33	5680	23	20	18.6	23	21
4	14.6	63	15.4	18.6	7450	30	2880	19.4	19.4	20	22	21 b
5	12.5	82	1920	11.5	1020	28	2860	22	24	19.4	22	23
6	10.5	86	318	15.4	120	517	4080	28	26	12.0	22	18.6
7	15.4	20	18.9	17.8	71	170	5030	34	22	11.0 b	22	13.0
8	12.5	15.4	11.0	18.6	83	41	1120	29	19.4	19.4	17.8	18.6
9	13.8	13.8	11.0	19.4	108	35	467	27	17.0	23	14.6	32
10	13.8	12.0	11.0	61	58	29	244	25	115	23	9.0	25
11	685	12.5	115	31	51	180	146	17.8	13.0 b	23	9.0	18.6
12	247	13.8	13.0	13.0	51	65	139	19.4	15.4 b	24	16.2	17.8
13	35	17.8	15.4	11.0	58	70	135	21	16.2	20	20	14.6
14	1000	17.8	14.6	17.0	46	232	122	23	16.2	18.6	25	7.2
15	109	19.4	3290	18.6	42	1820	118	21	10.5	17.0	236	10.0
16	15.4	17.0	1350	21	36	5200	94	22	115	16.2 b	115	21
17	12.5	11.0	2140	20	40	380	68	18.6	18.6	18.6	30	21
18	13.0	11.5	89	17.0	51	118	62	12.5	21	17.8	24	20
19	13.0	16.2	32	11.5	10400	75	62	17.8	19.4	17.0	20	18.6
20	13.8	16.2	19.4	11.5	448	876	53	21	20	13.8	20	15.4
21	455	13.0	18.6	11.5	131	1040	50	17.0	18.6	12.5	20	8.5
22	34	13.0	12.0	21	86	2680	53	18.6	12.0	17.0	20	8.5
23	22	11.5	10.5	23	94	b 233	41	14.6	11.0	19.4	20	17.0
24	17.0	10.0	12.5	29	87	b 114	38	13.0	17.8	20	21	32
25	15.4	11.5	7.6	587	3740	82	38	8.5	17.0	20	21	13.0
26	14.6	14.6	6.8	3180	144	68	35	8.0	18.6	22	21	13.0
27	13.8	14.6	10.5	109	48	1930	26	14.6	19.4	23	22	24
28	16.2	12.5	9.5	57	38	310	26	16.2	20	22	22	11.0
29	18.6	11.0	10.0	51		157	32	21	17.0	23	22	11.5
30	20	11.0	11.0	107		114	30	16.2	12.5	f 23	22	15.4
31	158		13.8	67		238		9.5		b 23	b 22	
		1286.1		4619.4		16,926.0		612.7		592.9		532.3
	3065.2		9934.8		28,478.9		29,369.0		505.5		946.6	
MEAN	98.9	42.9	304.	149.	1017.	546.	979.	19.8	16.8	19.1	30.5	17.7
ACRE-FEET	6080.	2550.	18,710.	9160.	56,490.	33,570.	58,250.	1220.	1000.	1180.	1880.	1060.

Remarks:

YEAR MEAN 264.
OR PERIOD ACRE-FEET 191,200.

FORM 4M Cb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

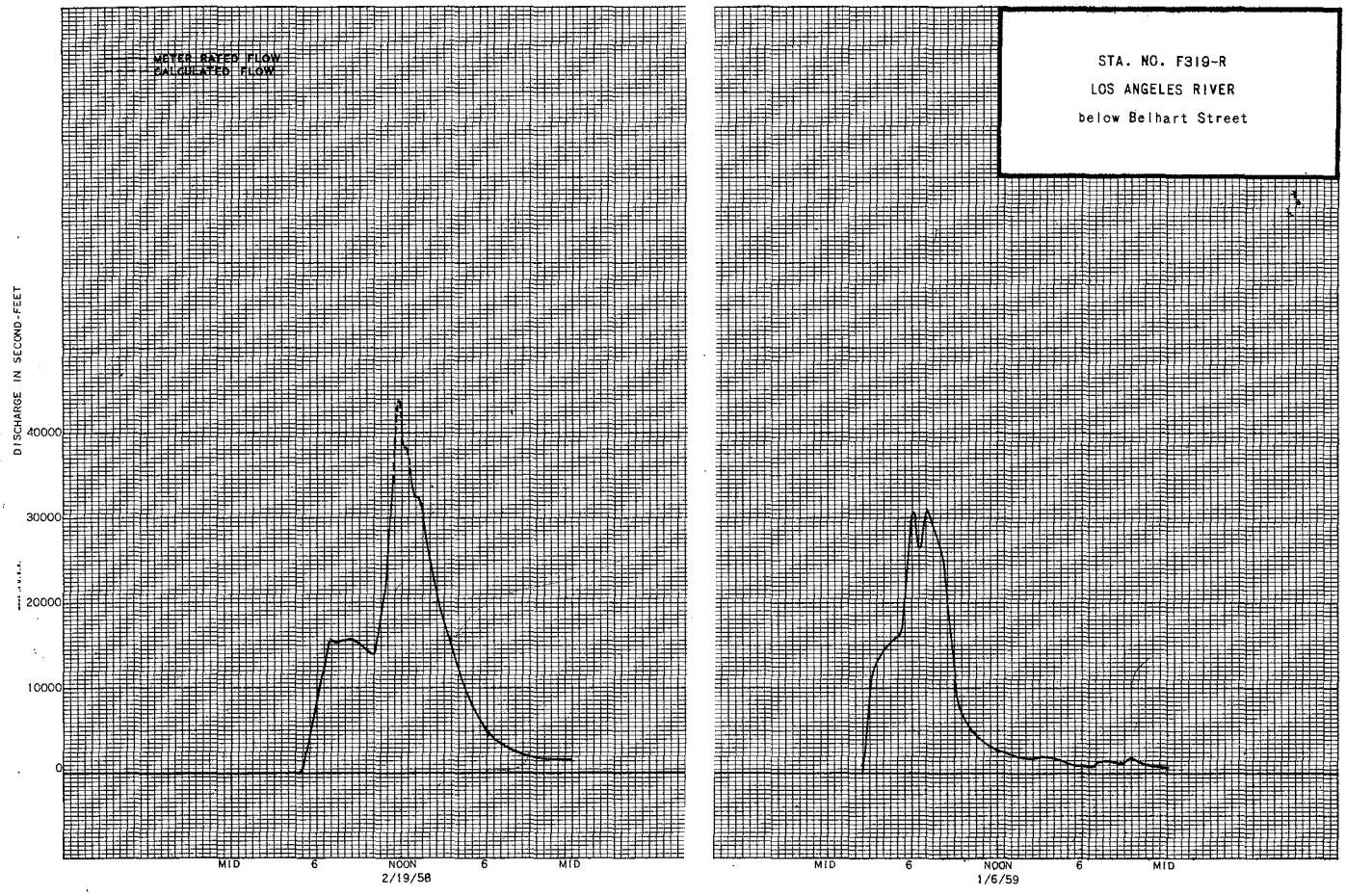
Sta. No. F319-R

Daily discharge, in second-feet of LOS ANGELES RIVER below Belhart Street, for the year ending September 30, 19 59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	18.6	15.4	b 15.4	b 14	7.2	20	22	20	10.0	b 14.6	13.8	b 19.7
2	18.6	10.5	15.5	14	9.0	17.8	21	17	15.4	16.2	10.5	19.2
3	18.6	12.0	15.5	18	12.5	24	24	10.5	18.6	16.2	12.0	18.7
4	18.6	18.6	15.5	13	15.4	25	17.8	15.4	20	15.4	20	20
5	10.0	20	15	b 14	16.2	22	11.0	22	19.4	12.0	17.0	12
6	13.0	22	9.0	6340	16.2	23	11.5	22	17.8	11.5	18.6	9.0
7	18.6	22	10	258	31	26	18.6	22	11.0	14.6	18.6	9.0
8	20	18.6	15	54	1190	19.4	21	24	12.5	17.8	13.8	13
9	19.4	10.5	17	44	201	20	22	19.4	17.8	18.4	b 14.3	18
10	19.4	11.5	18	22	45	28	22	11.5	16.2	18.1	14.8	19.1
11	19.4	22	19	14.6	2800	26	13.8	13.8	b 15.4	17.9	15.4	17
12	9.5	b 13.8	18	17.0	491	24	8.5	20	15.4	17.6	16.1	17
13	12.5	15.7	16	21	57	21	9.0	18.6	14.6	17.4	16.6	11
14	15.4	15.1	10	20	38	16.2	14.6	19.4	12.0	17.1	16.8	17
15	13.0	14.5	13.5	17.8	30	10.5	14.6	17.8	11.0	16.9	17.1	20
16	17.0	13.9	18	16.2	4010	8.0	18.6	12.0	19.4	16.6	17.4	20
17	22	13.3	19	14.6	619	14.6	17.0	10.0	18.6	17.1	17.7	16.7
18	13.8	12.7	20	8.5	123	16.2	13.8	12.5	21	17.5	18.0	20
19	8.0	12.1	21	11.0	104	16.2	9.0	15.4	25	18.0	18.3	12
20	8.5	11.6	13	20	32	15.4	11.0	16.2	22	18.4	18.6	8.0
21	13.0	12.3	14	37	1270	17.0	15.4	17.8	17.8	18.9	19.2	13
22	12.5	12.8	17	24	316	11.5	18.6	17.0	17.8	19.3	19.8	18
23	15.4	13.4	21	23	41	12.0	19.4	13.0	17.0	19.8	20	15
24	14.6	14.0	19	18.6	32	17.0	18.6	10.0	21	19.5	21	15.5
25	9.3	14.6	13	9.5	31	17.8	12.3	11.5	18.6	19.2	22	22
26	3.8	15.3	14	9.5	29	17.8	9.3	17.0	17.0	18.9	22	10
27	17.0	15.3	13	18.6	33	16.2	4.3	17.8	15.4	18.7	23	8.0
28	17.0	15.3	10	26	25	13.0	2.5	17.0	12.5	18.4	22	15
29	20	15.4	13	21		7.6	19.4	17.8	12.5	b 18.1	22	17
30	20	b 15.4	18	19.4		8.5	21	12.5	b 13.0	17.8	21	b 14
31	18.6		b 18	11.5		17.8		8.5		17.0	b 20	
	593.0		482.9		11,559.5		1557.2		495.7		557.4	
		449.5		7163.6		549.5		494.4		534.9		463.9
MEAN	19.1	15.0	15.6	231.	413.	17.7	51.9	15.9	16.5	17.3	18.0	15.5
ACRE-FEET	2280.	892.	958.	14210.	22920.	1090.	3090.	980.	983.	1060.	1110.	920.

Remarks:

YEAR OR PERIOD MEAN 68.2
ACRE-FEET 49,390.



STATION F279C-R
LOS CERRITOS CHANNEL at Stearns Street

LOCATION: WATER-STAGE RECORDER, LAT. 33°47'43", LONG. 118°06'10", ON THE RIGHT (WEST) BANK, SEVEN FEET ABOVE STEARNS STREET BRIDGE. ELEVATION OF ZERO GAGE HEIGHT 4.37 FEET.

DRAINAGE AREA: 36.2 SQUARE MILES.

CHANNEL AND CONTROL: TRAPEZOIDAL CONCRETE, 122 FEET WIDE AT TOP OF LEVEES, 88 FEET WIDE AT CHANNEL BOTTOM, 10 FEET DEEP.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING; HIGH FLOWS MEASURED FROM STEARNS STREET BRIDGE.

RECORDER: A STEVENS TYPE A-35 CONTINUOUS RECORDER FROM OCTOBER 1, 1957 TO SEPTEMBER 30, 1959.

REGULATIONS AND/OR DIVERSIONS: NONE.

RECORDS AVAILABLE: LOS CERRITOS CHANNEL AT SEVENTH STREET, RECORDER RECORDS NOVEMBER 23, 1942 TO JUNE 1, 1949 AT ATHERTON STREET, JUNE 1, 1949 TO MAY 26, 1955. STATION REMOVED DUE TO CHANNEL CONSTRUCTION: REPLACED AT STEARNS STREET OCTOBER 26, 1955 AND IN SERVICE TO SEPTEMBER 30, 1959.

EXTREMES OF DISCHARGE:
1957-58
MAXIMUM 3050 SECOND-FEET FEBRUARY 19.
MINIMUM PLUS FLOW AT VARIOUS TIMES.
1958-59
MAXIMUM 1120 SECOND-FEET FEBRUARY 16.
MINIMUM ZERO FLOW MAY 20.
1949-59
MAXIMUM 3050 SECOND-FEET FEBRUARY 19, 1958.
MINIMUM DRY PART OF MOST YEARS.

ACCURACY: GOOD.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF LOS CERRITOS CHANNEL

AT OR NEAR Stearns Avenue DURING THE YEAR ENDING SEPTEMBER 30, 19 58

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	B. HT. CHANGE TOTAL	METER NO.
87	10/3	1452 / 1455	BONADIMAN	14.0	1.05	0.79	0.25	0.83	FLOATS	4	0		
88	10/10	1436 / 1440	"	10.0	0.50	0.48	0.14	0.24	"	3	0		
89	10/11	1116 / 1124	BROOK-BONADIMAN	89.0	53.7	1.20	0.82	64.6		.6	9	-.01	FC19
90	10/14	0633 / 0646	BONADIMAN-BROOK	89.0	49.1	1.27	0.81	62.2		.6	9	-.01	"
91	10/17	1450 / 1456	BONADIMAN	16.0	0.78	2.16	0.10	0.36	FLOATS	4	0		
92	10/24	1412 / 1415	"	14.0	0.71	0.83	0.07	0.59	"	4	0		
93	10/31	1450 / 1500	BROOK-BONADIMAN	70.0	23.9	0.60	0.44	14.3		.6	8	0	FC46
94	11/3	0357 / 0406	" "	85.0	29.8	0.66	0.66	19.8		.6	8	-.02	FC19
95	11/7	1432 / 1438	BONADIMAN	16.0	1.15	0.52	0.12	0.57	FLOATS	4	0		
96	11/14	1414 / 1416	"	8.0	0.40	0.20	0.05	0.08	"	3	0		
97	11/21	1350 / 1355	"	14.0	0.82	0.38	0.10	0.31	"	4	0		
98	11/27	1450 / 1454	"	CHANNELS			0.12	0.74	"	4	0		
99	12/5	0702 / 0712	BROOK-BONADIMAN	90.5	60.2	1.32	0.91	79.3		.6	9	0	FC19
100	12/12	1420 / 1425	BONADIMAN	20.0	1.84	0.37	0.12	0.68	FLOATS	4	0		
101	12/15	1058 / 1107	BROOK-BONADIMAN	94.0	152.	3.19	1.90	485.		.6	10	-.07	FC19
102	12/18	1302 / 1312	" "	18.0	1.77	0.62	0.13	1.1	FLOATS	7	0		
103	1/9	1454 / 1456	BONADIMAN	16.0	1.16	0.34	0.08	0.38	"	4	0		
104	1/16	1445 / 1449	"	18.0	1.74	0.28	0.11	0.47	"	4	0		
105	1/23	1540 / 1544	MOSES-BONADIMAN	15.0	0.96	0.35	0.13	0.34	"	4	0		
106	1/26	0332 / 0342	BROOK-BONADIMAN	90.0	96.6	2.09	1.26	202.		.6	9	-.05	FC19
107	1/27	1012 / 1022	" "	25.0	3.44	0.93	0.24	3.2		.6	9	0	FC61
108	1/30	1444 / 1454	BONADIMAN	35.0	6.06	1.14	0.34	6.9		.6	8	0	"
109	2/3	1010 / 1021	BONADIMAN-MOSES	90.0	73.7	1.91	1.06	141.		.6	9	-.02	FC19
110	2/4	0813 / 0820	" "	91.0	103.	2.71	1.44	279.		.6	9	0	"
111	2/5	1300 / 1315	BROOK-BONADIMAN	48.0	10.0	1.38	0.45	13.8		.5	10	0	"
112	2/6	1048 / 1058	" "	21.0	2.13	0.84	0.21	1.8		.6	7	0	FC61
113	2/13	1430 / 1438	BONADIMAN	20.0	2.04	0.59	0.18	1.2		.6	6	0	"
114	2/19	1022 / 1032	BROOK-BONADIMAN	100.0	344.	5.50	3.85	1890.		.6	9	+.10	FC19
115	2/20	1140 / 1150	BONADIMAN-BROOK	78.0	25.1	1.43	0.57	36.0		.6	8	-.01	FC61
116	2/25	0950 / 1002	" "	91.0	111.	2.45	1.39	273.		.6	10	-.06	FC19
117	2/26	1031 / 1036	" "	22.0	3.68	1.41	0.26	5.2		.5	7	0	FC61
118	3/6	1735 / 1750	BROOK-BONADIMAN	64.0	13.6	1.82	0:51	24.7		.6	15	-.02	"
119	3/13	1410 / 1422	BONADIMAN	26.0	4.62	1.17	0.31	5.4		.6	7	0	"
120	3/15	2144 / 2158	BROOK-BONADIMAN	97.0	241.	4.81	2.87	1160.		.6	12	+1.00	FC19
121	3/20	2318 / 2342	BROOK-BONADIMAN	92.0	113.	2.54	1.48	287.		.6	20	-.08	FC19
122	3/22	0637 / 0657	" "	89.0	49.6	1.46	0.79	72.6		.6	20	0	"
123	3/27	1447 / 1514	" "	91.0	91.6	2.27	1.26	208.		.6	21	0	"
124	3/28	1149 / 1203	BROOK	32.0	5.03	1.27	0.32	6.4		.5	10	-.01	FC61
125	4/1	0827 / 0924	BROOK-BONADIMAN	91.0	91.4	2.30	1.27	209.		.6	21	+.08	FC19
126	4/1	1457 / 1513	" "	91.0	132.	3.07	1.68	405.		.6	21	-.02	"
127	4/2	1050 / 1102	" "	51.0	9.75	1.39	0.43	13.6		.6	14	-.02	FC61
128	4/3	1348 / 1408	" "	89.4	64.9	1.66	0.95	108.		.6	21	-.04	FC19
129	4/6	1632 / 1648	" "	90.5	82.7	2.14	1.16	177.		.5 .6	13	-.04	"
130	4/7	1535 / 1546	" "	89.5	67.9	1.80	0.98	122.		.6	13	-.01	"
131	4/10	1427 / 1434	BONADIMAN	17.0	1.05	0.51	0.13	0.54		.6	5	0	FC61
132	4/17	1445 / 1450	"	11.0	0.40	0.33	0.10	0.13		.6	5	0	"
133	4/24	1432 / 1440	"	18.0	1.76	0.37	0.15	0.65		.6	6	0	"
134	5/1	1432 / 1438	"	8.0	0.50	0.36	0.10	0.18		.6	4	0	"
135	5/8	1008 / 1014	BROOK	26.0	3.64	0.38	0.23	1.4	FLOATS		8	0	
136	5/15	1412 / 1420	BONADIMAN	13.0	0.85	0.54	0.07	0.46		.6	6	0	FC61
137	5/22	1430 / 1438	"	15.0	1.47	0.61	0.10	0.88		.6	5	0	"
138	6/5	1532 / 1540	"	24.0	2.86	0.42	0.20	1.2		.6	5	0	"
139	6/12	1505 / 1511	"	17.0	1.32	0.35	0.16	0.47		.6	5	0	"
140	6/19	1517 / 1525	"	26.0	3.87	0.52	0.22	2.0		.6	6	0	"
141	6/26	1420 / 1430	"	21.0	3.07	0.48	0.20	1.5		.6	7	0	"
142	7/3	1544 / 1550	"	19.0	1.35	0.48	0.16	0.65		.6	5	0	"
143	7/10	1522 / 1526	"	15.0	1.24	0.43	0.14	0.53		.6	4	0	"
144	7/17	1520 / 1526	"	17.0	1.88	0.64	0.16	1.2		.6	4	0	"
145	7/31	1445 / 1452	"	11.0	1.37	0.37	0.16	0.51		.6	5	0	"
146	8/7	1506 / 1516	"	23.0	3.39	0.56	0.25	1.9		.6	7	0	"
147	8/14	1445 / 1454	"	12.0	1.50	0.46	0.17	0.69		.6	6	0	"
148	8/21	1520 / 1530	"	14.0	1.04	0.50	0.16	0.52		.6	6	0	"
149	8/28	1456 / 1502	"	7.0	1.31	0.15	0.12	0.20		.6	5	0	"
150	9/4	1439 / 1446	BROOK	6.0	0.30	0.33	0.12	0.09	FLOATS	.75	7	0	
151	9/11	1532 / 1536	"	14.0	0.66	0.60	0.14	0.39	FLOATS	.75		0	
152	9/18	1452 / 1500	BROOK-PETERSEN	7.0	0.67	0.54	0.15	0.36		.5	9	0	FC61
153	9/25	1732 / 1740	BONADIMAN	13.5	1.03	0.43	0.13	0.52		.6	5	0	"

DISCHARGE MEASUREMENTS OF LOS CERRITOS CHANNEL

AT OR NEAR Stearns Avenue DURING THE YEAR ENDING SEPTEMBER 30, 19 59

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	D. INT. CHANGE TOTAL	METER NO.
154	10/2	1450 / 1454	BONADIMAN	7.0	0.18	0.22	0.09	0.04		.6	3	0	FC61
155	10/9	1500 / 1505	"	9.0	0.33	0.64	0.12	0.21		.6	4	0	"
156	10/23	1500 / 1505	WALTER-BONADIMAN	9.0	0.31	0.23	0.14	0.07		.6	5	0	"
157	11/6	1455 / 1500	BONADIMAN	12.0	0.54	0.35	0.09	0.19		.6	5	0	"
158	11/20	1500 / 1510	"	14.0	0.83	0.60	0.15	0.46		.6	6	0	"
159	12/4	1415 / 1420	"	8.0	0.27	0.37	0.09	0.07		.6	4	0	"
160	12/11	1435 / 1443	PETERSEN-BONADIMAN	16.0	0.92	0.41	0.15	0.38		.6	6	0	"
161	1/6	0817 / 0833	BROOK-BONADIMAN	87.0	87.2	2.16	1.24	188.		.6	13	-.04	FC19
162	1/8	1430 / 1436	BONADIMAN	12.0	0.56	0.55	0.07	0.31		.6	4	0	FC61
163	1/29	1510 / 1515	"	12.0	0.62	0.34	0.09	0.21		.6	5	0	"
164	2/8	1352 / 1410	BROOK-BONADIMAN	89.5	66.2	1.63	0.97	108.		.6	21	-.04	FC19
165	2/11	0920 / 0937	" "	91.0	104.	2.40	1.39	250.		.6	21	-.10	"
166	2/12	1108 / 1118	" "	27.0	4.38	1.37	0.31	6.0		.6	10	0	FC61
167	2/16	1048 / 1058	" "	93.0	142.	2.86	1.76	406.		.6	13	-.08	FC19
168	2/17	1042 / 1052	" "	27.0	3.58	1.93	0.32	6.9		.6	11	0	FC61
169	2/19	1550 / 1600	BONADIMAN	18.0	1.77	0.90	0.18	1.6		.6	6	0	"
170	2/21	1512 / 1520	BROOK-BONADIMAN	90.5	86.2	2.24	1.20	193.		.6	13	-.02	FC19
171	2/26	1502 / 1505	BONADIMAN	9.0	0.33	0.46	0.06	0.15		.6	4	0	FC61
172	3/5	1500 / 1510	BONADIMAN	15.0	1.27	0.68	0.15	0.86		.6	5	0	FC61
173	3/19	1434 / 1440	"	14.0	1.00	0.48	0.13	0.48		.6	5	0	"
174	4/9	1505 / 1515	"	17.0	1.84	0.36	0.12	0.66		.6	6	0	"
175	4/16	1446 / 1500	"	12.0	0.42	0.29	0.08	0.12		.6	5	0	"
176	4/23	1455 / 1500	"	12.0	0.40	0.52	0.09	0.21		.6	4	0	"
177	4/26	0240 / 0247	BROOK-BONADIMAN	91.0	82.5	2.27	1.22	187.		.6	12	-.05	FC19
178	4/30	1518 / 1530	BONADIMAN	13.0	0.82	0.65	0.15	0.53		.6	6	0	FC61
179	5/21	1530 / 1540	"	16.0	1.28	0.62	0.16	0.75		.6	6	0	"
180	5/28	1520 / 1525	"	8.0	0.26	0.58	0.11	0.15		.6	5	0	"
181	6/11	1440 / 1448	ROY	15.0	1.26	0.36	0.15	0.46		.5	6	0	"
182	6/18	1420 / 1430	BONADIMAN	13.0	1.02	0.56	0.15	0.57		.6	6	0	"
183	7/16	1504 / 1514	"	14.0	0.92	0.54	0.16	0.49		.6	7	0	"
184	7/30	1458 / 1505	"	17.0	1.80	0.61	0.21	1.1		.6	6	0	"
185	8/6	1425 / 1435	"	20.5	3.19	0.72	0.28	2.3		.6	7	0	"
186	8/20	1500 / 1510	"	10.0	0.45	0.42	0.16	0.19		.6	6	0	"
187	9/3	1451 / 1459	BROOK	9.0	0.94	0.29	0.19	0.27		.5	10	0	"
188	9/10	1415 / 1422	"	11.0	1.78	0.79	0.26	1.4		.5	8	0	"
189	9/24	1504 / 1512	BONADIMAN	12.0	1.19	0.38	0.18	0.45		.6	7	0	"

7GDT43M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F279C-R

Daily discharge, in second-feet of LOS CERRITOS CHANNEL at Stearns Street, for the year ending September 30, 1958

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.1	0.9	0.3	+	0.5	1.1	222	0.3	1.4	0.9	0.3	0.3
2	0.1	16.6	0.9	+	15.8	1.1	34	0.5	0.6	0.8	0.4	0.2
3	1.1	21	0.8	0.4	131	1.7	114	0.5	0.9	1.1	0.1	0.6
4	0.4	1.9	26	0.3	323	0.9	18.6	0.5	0.9	0.9	0.4	0.1
5	0.4	4.6	107	0.6	16.6	1.4	1.9	0.1	1.1	0.6	+	0.2
6	0.4	3.4	20	0.1	1.4	18.2	166	0.1	0.9	0.8	0.6	0.2
7	0.4	0.8	1.7	0.5	0.3	3.8	261	0.1	1.1	0.8	0.3	0.2
8	0.5	0.4	0.5	0.4	0.2	0.3	13.7	0.3	1.7	1.1	+	0.8
9	0.3	+	+	0.9	+	0.2	1.4	+	0.4	0.9	0.6	0.4
10	0.5	0.4	0.1	7.4	+	4.2	0.9	+	1.7	0.8	0.3	0.2
11	61	0.1	0.5	2.2	+	21	0.6	1.9	0.8	1.7	0.9	0.3
12	1.1	+	0.3	0.4	0.1	14.4	0.5	0.9	0.6	0.9	1.1	0.3
13	3.8	0.4	+	1.1	0.9	3.8	0.3	2.2	0.6	0.8	0.6	0.5
14	41	0.3	0.2	0.6	4.2	3.8	0.5	0.5	1.4	1.1	0.9	0.3
15	1.4	0.3	193	0.9	1.9	313	0.3	0.6	0.4	1.1	2.2	0.2
16	0.9	0.2	6.4	0.8	0.3	289	0.5	1.7	0.9	1.1	5.9	0.2
17	0.3	0.2	87	0.8	0.1	6.4	0.5	2.2	0.6	1.4	0.5	0.1
18	0.1	0.1	2.2	0.9	0.8	3.4	0.3	1.1	0.9	2.2	+	0.3
19	+	0.1	1.1	0.5	972	1.4	0.2	0.8	1.4	1.4	+	0.3
20	2.2	+	0.5	0.5	66	144	0.4	2.2	1.1	1.1	0.4	0.3
21	15.4	+	+	+	6.4	61	0.2	1.9	1.1	1.4	0.3	0.3
22	2.2	0.4	+	0.1	2.2	52	0.2	2.2	1.4	0.9	0.3	0.4
23	0.4	0.3	+	0.1	1.7	2.5	0.4	11.1	1.4	1.4	0.3	0.8
24	0.4	0.2	0.1	+	1.4	0.5	0.3	7.4	1.4	1.7	0.3	8.7
25	1.1	0.4	0.3	112	250	1.1	0.3	2.5	0.8	1.7	0.2	1.4
26	0.4	0.5	+	200	7.4	1.1	0.2	2.2	1.4	1.1	0.2	0.6
27	0.2	0.5		51	2.9	122	0.1	1.9	0.9	1.7	0.2	0.5
28	0.5	0.3		0.9	1.1	13.6	0.9	1.1	1.9	0.5	0.2	0.5
29	0.4	+	+	0.5		1.1	0.4	1.1	0.9	0.9	0.6	0.4
30	1.8	+	0.6	4.3		0.6	0.5	1.9	1.4	0.4	0.6	0.5
31	21		0.2	1.1		2.2		1.7		0.5	0.4	
		54.4		343.4		1090.8		515		33.7		201
	159.8		449.7		1808.2		841.1		32.0		19.1	
MEAN	5.15	1.82	14.5	11.1	64.6	35.2	28.0	1.66	1.07	1.09	0.62	0.67
ACRE-FEET	317.	108.	892.	681.	3590.	2160.	1670.	102.	64.	67.	38.	40.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 13.4
ACRE-FEET 9730.

76DT4M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

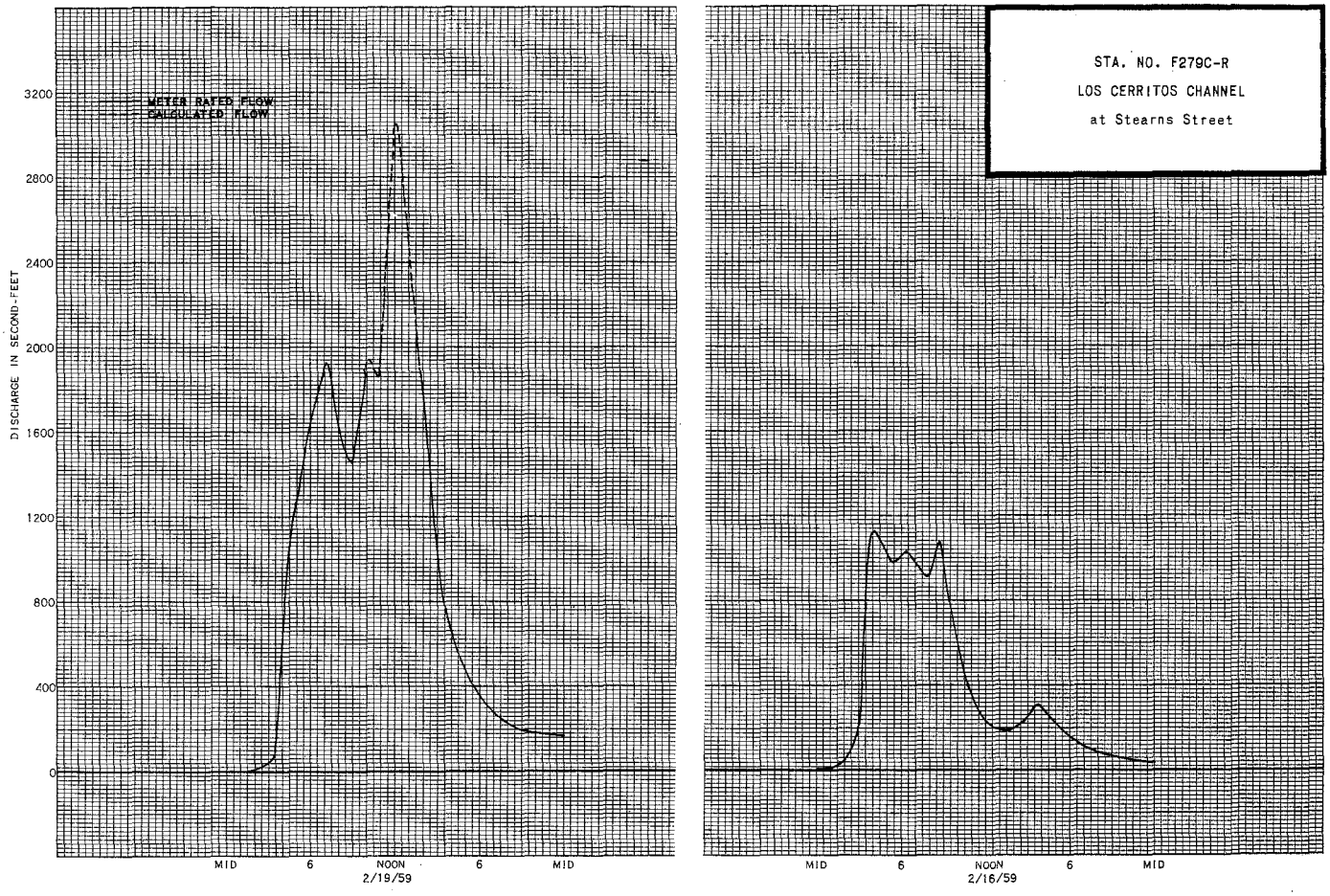
Sta. No. F279C-R

Daily discharge, in second-feet of LOS CERRITOS CHANNEL at Stearns Street, for the year ending September 30, 1959

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.3	0.6	+	0.1	0.4	1.9	0.5	+	0.2	0.5	0.2	a 0.3
2	+	0.3	0.9	+	0.3	0.5	0.4	+	+	0.5	0.3	a 0.3
3	0.1	0.9	0.3	0.4	0.3	0.5	0.4	0.1	0.3	0.5	0.3	a 0.3
4	1.1	0.8	+	0.5	0.4	0.9	0.6	+	0.8	0.4	0.2	0.3
5	0.9	1.4	0.4	0.2	0.3	0.9	0.4	0.8	0.8	+	+	0.5
6	0.2	0.4	0.8	154	0.2	1.1	0.2	0.2	0.6	+	0.5	0.1
7	0.3	0.5	0.1	3.3	0.6	1.1	0.9	0.5	0.5	0.2	0.8	1.4
8	0.3	1.1	0.1	0.3	55	1.1	0.8	0.3	0.3	0.1	0.6	1.4
9	0.3	0.6	0.3	0.4	3.2	1.7	0.9	0.1	0.2	+	0.5	0.5
10	0.5	0.4	0.2	0.3	0.4	1.7	0.8	0.1	0.1	+	0.3	2.9
11	0.3	0.6	0.5	+	93	0.4	0.4	0.3	0.5	+	0.3	5.1
12	0.3	0.6	0.2	0.2	8.7	0.2	0.5	0.4	0.6	0.4	1.1	5.9
13	0.1	1.1	0.3	+	0.9	0.6	0.6	+	0.4	0.4	0.8	0.9
14	0.1	0.9	0.4	0.5	0.4	0.8	0.4	0.4	0.4	0.9	0.8	0.5
15	0.3	0.2	0.4	0.4	0.1	+	0.9	0.2	0.3	0.2	0.4	0.3
16	0.2	+	3.4	0.2	393	+	0.3	0.6	0.6	0.1	0.5	0.5
17	0.1	0.6	0.9	0.2	10.9	+	1.1	0.2	0.9	0.8	0.6	0.2
18	0.6	0.1	2.2	0.2	2.9	0.6	1.1	0.1	0.5	0.4	0.5	0.5
19	0.3	0.1	5.5	0.1	1.4	0.6	0.3	0.1	0.6	0.5	0.3	0.6
20	0.1	0.6	2.5	0.5	0.5	0.2	+	0	0.8	0.4	0.3	0.2
21	0.3	0.5	0.4	0.4	142	0.5	+	0.5	1.1	0.2	0.1	0.3
22	0.1	0.8	0.9	0.3	113	0.6	0.8	0.5	0.5	0.4	0.4	0.1
23	+	0.2	0.5	0.2	0.9	0.3	0.2	0.3	0.5	0.3	0.5	0.8
24	+	+	0.6	0.9	0.4	0.1	0.4	0.2	0.8	0.6	0.3	0.6
25	5.7	0.1	0.3	0.3	0.3	0.4	24	0.1	0.4	0.6	0.3	0.4
26	0.7	0.2	0.2	0.3	0.1	0.2	73	0.2	0.8	0.5	0.3	0.5
27	+	0.9	0.1	0.9	1.7	1.1	0.5	0.4	0.9	0.5	0.2	0.3
28	+	0.6	0.1	0.1	3.8	0.8	0.5	0.2	0.8	0.4	0.5	0.5
29	+	4.2	0.1	0.2		0.5	0.1	0.2	0.3	0.4	0.3	1.7
30	0.2	0.4	0.9	0.2		0.2	0.1	0.3	0.3	0.8	a 0.3	0.9
31	+		0.1	0.8		0.4		+		0.4	a 0.3	
	64.7		23.6		733.4		111.1		15.8		12.8	
		19.7		166.4		19.9		7.3		11.4		28.8
MEAN	2.09	0.66	0.76	5.37	26.2	0.64	3.70	0.24	0.53	0.37	0.41	0.96
ACRE-FEET	128.	39.	47.	330.	1450.	39.	220.	14.	31.	23.	25.	57.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 3.33
ACRE-FEET 2410.



STATION F130-R
MALIBU CREEK at Crater Camp

LOCATION: WATER-STAGE RECORDER, LAT. 34°04'38", LONG. 118°42'03", AT UPPER END OF MALIBU GORGE, ABOUT 0.2 MILE DOWNSTREAM FROM CRATER CAMP IN THE SANTA MONICA MOUNTAINS, AND 6 MILES SOUTHWEST OF CALABASAS. ELEVATION OF ZERO GAGE HEIGHT, 432.82 FEET.

DRAINAGE AREA: 103 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - COARSE SAND AND GRAVEL LINED WITH BRUSH AND TREES. ARTIFICIAL CONTROL BELOW STATION INSTALLED JULY 1954.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM CABLE CAR 5 FEET BELOW GAGE.

RECORDER: A STEVENS A-35B RECORDER WAS IN SERVICE FROM OCTOBER 1, 1957 TO SEPTEMBER 30, 1959.

REGULATIONS AND/OR DIVERSIONS: LAKE SHERWOOD DAM, LAKE ELEANOR DAM, MALIBU LAKE MOUNTAIN CLUB DAM, AND CRAG'S DAM. OTHER LOW DAMS BUILT FOR RECREATIONAL PURPOSES AFFECT THE LOW SUMMER FLOWS.

RECORDS AVAILABLE: JANUARY 17, 1931 TO SEPTEMBER 30, 1959.

EXTREMES OF DISCHARGE:

1957-58
MAXIMUM 4260 SECOND-FEET APRIL 3.
MINIMUM 0.03 SECOND-FOOT VARIOUS TIMES IN OCTOBER.

1958-59
MAXIMUM 3180 SECOND-FEET JANUARY 6.
MINIMUM 0.1 SECOND-FOOT VARIOUS TIMES OF YEAR.

1931-59
MAXIMUM 13,560 SECOND-FEET MARCH 15, 1952.
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: GOOD.

REVISION: THE MAXIMUM DISCHARGE FOR THE WATER YEAR 1930-31 HAS BEEN REVISED TO 1070 SECOND FEET ON FEBRUARY 4, 1931.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT IN COOPERATION WITH THE UNITED STATES GEOLOGICAL SURVEY, WATER RESOURCES BRANCH.

DISCHARGE MEASUREMENTS OF MALIBU CREEK

AT Crater Camp DURING THE YEAR ENDING SEPTEMBER 30, 19 56

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	D. MT. CHANGE TOTAL	METER NO.
884	10/3	1250 / 1300	SJOSTEDT	1.4	0.11	0.54	1.58	0.06		.5	8	0	FC50
885	10/10	1250 / 1255	"	1.2	0.09	0.67	1.59	0.06		.5	5	0	"
886	10/17	1215 / 1225	"	1.4	0.10	0.50	1.59	0.05		.5	8	0	"
887	10/24	1155 / 1200	"	1.0	0.08	0.62	1.61	0.05		.5	5	0	"
888	10/31	1210 / 1215	"	0.8	0.08	0.75	1.61	0.06		.5	5	0	"
889	11/7	1330 / 1335	"	0.8	0.08	0.62	1.62	0.05		.5	5	0	"
890	11/14	1205 / 1210	SJOSTEDT-CARABA	0.6	0.06	0.83	1.62	0.05		.5	5	0	"
891	11/21	1230 / 1235	SJOSTEDT	0.6	0.07	0.57	1.63	0.04		.5	5	0	"
892	11/27	1245	"	90° "V" NOTCH WEIR			1.65	0.05				0	
893	12/5	1220 / 1225	"	1.2	0.10	0.80	1.62	0.08		.5	5	0	FC50
894	12/12	1215 / 1220	"	90° "V" NOTCH WEIR			1.60	0.08				0	
895	12/15	1435 / 1440	SJOSTEDT-CARABA	24.0	19.9	1.28	2.32	26.5		.6	9	0	FC29
896	12/19	1215 / 1225	SJOSTEDT	5.0	1.08	0.56	1.65	0.61		.5	7	0	FC50
897	12/26	1130 / 1135	"	5.0	0.99	0.33	1.62	0.33		.5	7	0	"
898	1/2	1255 / 1305	"	3.0	0.68	0.54	1.62	0.37		.5	7	0	"
899	1/9	1430 / 1440	"	3.0	0.60	0.62	1.62	0.37		.5	7	0	"
900	1/16	1235 / 1245	"	3.0	0.68	0.57	1.64	0.39		.5 / .6	7	0	"
901	1/23	1245 / 1250	"	2.5	0.59	0.61	1.65	0.36		.5 / .6	6	0	"
902	1/30	1325 / 1335	MOSES-SJOSTEDT	9.5	2.22	0.69	1.73	1.54		.5 / .6	11	0	"
903	2/3	0840 / 0852	SJOSTEDT-CARABA	30.5	58.4	2.09	3.07	122.		.2 / .6	10	+.01	FC47
904	2/3	2225 / 2235	" "	35.0	36.0	4.17	3.28	150.		.5 / .6	10	+.10	"
905	2/4	1145 / 1152	" "	60.0	162.	4.18	5.18	678.		.6	12	+.05	"
906	2/5	0033 / 0048	" "	45.0	151.	2.86	4.22	432.		.6	10	-.02	"
907	2/5	1415 / 1432	" "	35.0	35.7	4.26	3.33	152.		.5 / .6	12	-.01	"
908	2/6	1350 / 1410	SJOSTEDT	31.0	21.6	3.39	2.85	73.2		.5 / .6	15	-.01	"
909	2/13	1400 / 1415	"	17.5	8.05	2.43	2.22	19.6		.5 / .6	10	0	FC50
910	2/19	0845 / 0910	SJOSTEDT-CARABA	72.0	237.	4.26	6.25	1000.		.5	14	+.42	FC47
911	2/19	1155 / 1215	" "	102.0	454.	573.	8.40	2600.		.6	15	-.34	"
912	2/22	1400 / 1425	SJOSTEDT	36.0	29.1	3.43	3.06	101.		.6	15	-.01	"
913	2/25	0825 / 0943	SJOSTEDT-CARABA	70.0	223.	5.73	6.08	1280.		.6	15	+.08	"
914	3/6	1315 / 1335	CARABA-SJOSTEDT	26.0	12.6	2.70	2.47	34.0		.6	12	0	"
915	3/13	1335 / 1350	SJOSTEDT	26.2	18.4	1.25	2.27	23.0		.6	11	0	FC50
916	3/15	1517 / 1535	SJOSTEDT-CARABA	39.0	97.8	3.86	3.92	378.		.6	11	+.07	FC47
917	3/16	0055 / 0117	" "	81.0	317.	5.35	7.05	1700.		.6	18	+.17	"
918	3/17	1208 / 1238	CARABA-SJOSTEDT	44.0	116.	3.31	3.94	387.		.6	12	-.01	"
919	3/20	1310 / 1330	SJOSTEDT	36.0	28.8	3.47	3.05	100.		.6	17	+.01	FC47
920	3/22	0130 / 0145	SJOSTEDT-CARABA	44.0	101.	3.50	3.89	354.		.6	10	+.04	"
921	3/26	1335 / 1400	SJOSTEDT	35.0	24.7	3.32	2.94	82.0		.5 / .6	15	+.01	"
922	3/27	1340 / 1351	SJOSTEDT-CARABA	41.0	51.9	5.14	3.74	267.		.6	14	+.03	"
923	4/1	1208 / 1226	" "	74.0	297.	5.14	6.50	1530.		.5	13	+.16	"
924	4/1	1447 / 1525	" "	100.0	442.	5.82	8.17	2570.		.6	20	-.12	"
925	4/2	1335 / 1355	CARABA-SJDSTEDT	47.0	134.	3.06	4.13	410.		.6	10	-.02	"
926	4/3	0952 / 1012	SJOSTEDT-CARABA	102.0	494.	0.81	6.81	3360.		.6	18	-.20	FC47
927	4/3	1445 / 1506	" "	74.0	277.	5.78	6.46	1600.		.6	14	-.09	"
928	4/7	0828 / 0853	" "	68.0	226.	5.14	5.77	1160.		.5 / .6	18	+.07	"
929	4/10	1300 / 1325	SJOSTEDT	39.0	41.6	4.34	3.43	181.		.6	17	-.05	"
930	4/17	1420 / 1440	"	33.0	18.9	2.94	2.74	55.5		.5 / .6	14	0	"
931	4/24	1400 / 1415	"	24.5	12.4	3.02	2.46	37.4		.5 / .6	11	0	FC50
932	5/1	1410 / 1425	"	20.0	10.2	2.54	2.33	25.8		.5 / .6	11	0	"
933	5/8	1445 / 1500	"	18.0	8.96	1.97	2.23	17.6		.5 / .6	10	0	"
934	5/15	1235 / 1245	"	15.5	6.79	1.92	2.10	13.0		.5 / .6	9	0	"
935	5/22	1330 / 1345	"	14.5	5.86	1.54	2.03	9.0		.5 / .6	9	0	"
936	5/29	1155 / 1205	"	12.7	4.27	1.26	1.93	5.4		.5 / .6	8	0	"
937	6/5	1345 / 1400	"	13.4	4.24	1.37	1.92	5.8		.5 / .6	9	0	"
938	6/12	1325 / 1335	"	12.0	3.84	1.25	1.88	4.8		.5 / .6	8	-.02	"
939	6/19	1240 / 1250	"	10.6	2.87	1.18	1.82	3.4		.5 / .6	8	0	"
940	6/26	1200 / 1210	ROY-SJOSTEDT	10.5	2.44	0.87	1.77	2.1		.5 / .6	8	0	"
941	7/3	1125 / 1330	SJOSTEDT	9.9	2.21	0.85	1.75	1.9		.5	11	0	"
942	7/10	1125 / 1135	"	9.5	2.08	0.82	1.74	1.7		.5	11	0	"
943	7/17	1400 / 1412	ROY	10.0	1.87	0.70	1.72	1.3		.5	11	0	"
944	7/24	1425 / 1440	BROOK-ROY	10.7	2.12	0.45	1.72	0.94		.5 / .6	13	0	"
945	7/31	1415 / 1430	ROY	10.0	1.67	0.36	1.72	0.60		.5	10	0	"
946	8/7	1433 / 1437	BROOK	9.3	1.49	0.40	1.67	0.59		.5	7	0	"
947	8/14	1418 / 1426	"	8.4	1.38	0.23	1.66	0.30		.5	7	0	"
948	8/21	1415 / 1427	"	7.5	1.03	0.26	1.65	0.27		.5	10	0	"
949	8/28	1434 / 1443	"	8.6	1.39	0.31	1.64	0.42		.5	11	0	"
950	9/4	1340 / 1345	SJOSTEDT	8.5	1.15	0.29	1.64	0.32		.5	7	0	"
951	9/11	1315 / 1325	"	3.0	0.60	0.55	1.67	0.33		.5	7	0	FC50
952	9/19	1250 / 1300	"	3.0	0.60	0.55	1.67	0.33		.5	7	-.03	"
953	9/25	1330 / 1335	SJOSTEDT-WALTER	3.0	0.48	0.42	1.63	0.22		.5	7	0	"

DISCHARGE MEASUREMENTS OF MALIBU CREEK

AT ~~NEAR~~ Crater Camp DURING THE YEAR ENDING SEPTEMBER 30, 19 59

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	S. HT. CHANGE TOTAL	METER NO.
954	10/2	1450 / 1500	SJOSTEDT	3.0	0.49	0.35	1.64	0.17		.5	7	0	FC50
955	10/9	1230 / 1240	"	3.0	0.48	0.42	1.64	0.20		.5	7	0	"
956	10/16	1315 / 1320	WALTER-SJOSTEDT	3.0	0.46	0.35	1.64	0.17		.5	7	0	"
957	10/23	1210 / 1220	SJOSTEDT	3.0	0.48	0.42	1.65	0.20		.5	7	0	"
958	10/30	1355 / 1405	PETERSEN-SJOSTEDT	3.0	0.48	0.35	1.64	0.17		.5	7	0	"
959	11/6	1305 / 1315	SJOSTEDT	3.0	0.48	0.50	1.15	0.24		.5	7	0	"
960	11/13	1315 / 1325	"	3.0	0.54	0.54	1.67	0.29		.5	7	0	"
961	11/20	1250 / 1300	"	3.0	0.57	0.58	1.68	0.33		.5	7	0	"
962	11/26	1250 / 1300	"	3.0	0.62	0.69	1.70	0.43		.5	7	0	"
963	12/4	1335 / 1345	BOWMAN	4.2	0.63	0.62	1.67	0.39		.5	9	0	FC60
964	12/11	1235 / 1245	SJOSTEDT	5.0	0.90	0.48	1.66	0.43		.5	7	0	FC50
965	12/18	1305 / 1315	"	5.5	1.08	0.55	1.67	0.59		.5	7	0	"
966	12/26	1115 / 1125	"	5.0	0.96	0.57	1.68	0.55		.5	7	0	"
967	1/2	1255 / 1310	"	6.0	1.07	0.51	1.66	0.55		.5	8	0	"
968	1/6	1708 / 1715	SJOSTEDT-CARABA	13.5	7.75	2.12	2.24	16.4		.5 / .6	8	-.01	FC47
969	1/15	1305 / 1315	SJOSTEDT	4.0	1.42	0.85	1.68	1.2		.5 / .6	9	0	FC50
970	1/22	1320 / 1330	"	4.0	1.39	0.72	1.67	1.0		.5 / .6	9	0	"
971	1/29	1325 / 1335	"	4.0	1.30	0.72	1.68	0.94		.5 / .6	6	0	"
972	2/5	1330 / 1340	"	4.0	1.37	0.73	1.69	0.98		.5 / .6	9	0	"
973	2/11	0807 / 0817	SJOSTEDT-CARABA	31.0	41.3	1.09	2.61	45.2		.6	14	-.02	FC47
974	2/11	1615 / 1630	CARABA-SJOSTEDT	28.0	25.1	0.74	2.15	18.5		.6	10	-.01	"
975	2/13	1335 / 1345	SJOSTEDT	7.0	2.51	1.39	1.80	3.5		.6	8	0	FC50
976	2/16	1732 / 1742	SJOSTEDT-CARABA	37.0	65.0	2.54	3.18	165.		.5	11	-.04	FC47
977	2/17	1344 / 1400	CARABA	28.0	25.8	0.91	2.21	23.4		.6	15	0	"
978	2/19	1050 / 1105	SJOSTEDT	10.5	4.01	1.77	1.91	7.1		.5 / .6	8	0	FC50
979	2/21	1055 / 1110	SJOSTEDT-CARABA	36.0	60.3	2.16	3.12	130.		.5 / .6	11	-.06	FC47
980	3/5	1400 / 1410	SJOSTEDT	11.5	4.75	0.78	1.84	3.7		.5 / .6	8	0	FC50
981	3/12	1430 / 1440	"	10.0	2.60	0.96	1.79	2.5		.5	7	0	"
982	3/19	1030 / 1040	SJOSTEDT	10.0	2.16	1.02	1.75	2.2		.5	7	0	FC50
983	3/26	1505 / 1520	"	9.5	1.95	0.92	1.73	1.8		.5	11	0	"
984	4/2	1440 / 1455	"	9.5	1.81	0.83	1.71	1.5		.5	11	0	"
985	4/9	1350 / 1405	"	9.5	1.67	0.72	1.69	1.2		.5	11	0	"
986	4/16	1450 / 1505	"	9.3	1.57	0.64	1.67	1.0		.5	11	0	"
987	4/23	0955 / 1010	"	8.8	1.49	0.59	1.67	0.88		.5	11	0	"
988	4/30	1335 / 1350	"	9.3	1.45	0.57	1.67	0.83		.5	11	0	"
989	5/7	1440 / 1455	"	8.7	1.35	0.49	1.65	0.66		.5	11		"
990	5/14	1405 / 1415	"	8.8	1.27	0.46	1.66	0.59		.5	7	0	"
991	5/21	1130 / 1145	"	8.8	1.24	0.38	1.64	0.47		.5	11		"
992	5/28	1015 / 1025	"	8.5	1.07	0.35	1.63	0.37		.5	9		"
993	6/4	1130 / 1145	"	8.5	1.01	0.26	1.62	0.26		.5	11		"
994	6/11	1050 / 1100	"	8.4	0.98	0.24	1.62	0.24		.5	8	0	"
995	6/18	1010 / 1020	"	8.5	0.92	0.22	1.61	0.20		.5	8	0	"
996	6/25	1330 / 1338	BOWMAN	8.0	0.82	0.22	1.60	0.18		.5	6	0	FC6
997	7/2	1115 / 1125	SJOSTEDT	8.4	0.91	0.15	1.60	0.14		.5	7	0	FC50
998	7/9	1405 / 1410	"	2.0	0.22	0.45	1.64	0.10		.5	6	0	"
999	7/16	1025 / 1035	"	2.0	0.17	0.24	1.60	0.04		.5	8	0	"
1000	7/23	1130 / 1140	"	2.0	0.23	0.48	1.63	0.11		.5	7	0	"
1001	7/30	1030 / 1035	"	2.0	0.26	0.50	1.64	0.13		.5	7	0	"
1002	8/6	1145 / 1200	"	2.0	0.26	0.31	1.64	0.08		.5	7	0	"
1003	8/13	1105 / 1115	"	2.0	0.18	0.39	1.63	0.07		.5	7	0	"
1004	8/20	1410 / 1420	BOWMAN	1.9	0.20	0.30	1.63	0.06		.5	6	0	"
1005	8/27	1330 / 1335	SJOSTEDT	2.0	0.23	0.26	1.63	0.06		.5	7	0	"
1006	9/3	1120 / 1130	"	2.0	0.18	0.28	1.60	0.05		.5	7	0	"
1007	9/10	1105 / 1115	"	2.0	0.18	0.39	1.61	0.07		.5	7	0	"
1008	9/17	1055 / 1100	"	2.0	0.18	0.39	1.62	0.07		.5	7		"
1009	9/24	1230 / 1240	"	2.0	0.23	0.35	1.62	0.08		.5	7	0	"

7M17GM Glb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F130-R

Daily discharge, in second-feet of MALIBU CREEK at Crater Camp for the year ending September 30, 1959

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.06	0.06	0.06	0.4	1.5	65	988	27	6.1	2.1	0.6	0.4
2	0.06	0.06	0.06	0.4	3.2	53	480	24	6.1	2.1	0.5	0.4
3	0.06	0.2	0.06	0.4	150	b 44	1630	22	5.8	1.8	0.4	0.4
4	0.06	0.2	0.1	0.4	545	b 39	483	21	5.8	1.8	0.5	0.4
5	0.06	0.06	0.3	0.4	225	b 35	338	b 21	5.8	1.8	0.5	0.4
6	0.06	0.06	0.06	0.4	78	35	426	b 19	5.5	1.8	0.6	0.4
7	0.06	0.06	0.06	0.4	49	34	794	b 18	5.5	1.7	0.6	0.4
8	0.06	0.06	0.06	0.4	38	29	396	18	5.5	1.7	0.6	0.4
9	0.06	0.06	0.06	0.4	33	27	b 255	15	5.2	1.5	0.5	0.4
10	0.06	0.06	0.06	0.4	28	27	187	14	5.2	1.5	0.4	0.4
11	0.2	0.06	0.06	0.4	24	29	145	15	5.2	1.5	0.3	0.4
12	0.2	0.06	0.06	0.4	21	26	120	14	4.8	1.5	0.3	0.4
13	0.2	0.06	0.06	0.4	19	25	104	14	5.2	1.7	0.2	0.3
14	0.2	0.06	0.2	0.4	17	56	90	13	4.6	1.7	0.3	0.2
15	0.06	0.06	8.4	0.4	15	318	82	13	4.4	1.7	0.3	0.2
16	0.06	0.06	5.8	0.4	14	937	75	12	4.4	1.7	0.5	0.2
17	0.06	0.06	14	0.4	13	355	67	12	3.9	1.5	0.4	0.2
18	0.06	0.06	1.0	0.4	12	193	62	11	3.5	1.5	0.4	0.2
19	0.06	0.06	0.6	0.4	975	131	58	11	3.5	1.4	0.3	0.2
20	0.06	0.06	0.6	0.4	228	109	52	11	3.3	1.4	0.3	0.2
21	0.06	0.06	0.6	0.4	103	146	49	11	3.0	1.2	0.3	0.2
22	0.06	0.06	0.6	0.4	68	408	44	8.4	2.6	1.2	0.2	0.2
23	0.06	0.06	0.5	0.4	53	187	40	8.0	2.4	1.0	0.2	0.3
24	0.06	0.06	0.4	0.4	45	131	37	8.4	2.3	1.0	0.06	0.3
25	0.03	0.06	0.4	4.9	655	102	35	8.4	2.3	1.0	0.2	0.3
26	0.03	0.06	0.4	21	199	84	33	6.8	2.1	0.8	0.4	0.3
27	0.03	0.06	0.4	2.6	111	209	32	6.1	2.1	0.8	0.5	0.3
28	0.03	0.06	0.4	1.8	82	146	29	6.1	2.1	0.8	0.5	0.3
29	0.03	0.06	0.4	1.5		99	28	5.8	2.1	0.6	0.5	0.3
30	0.06	0.06	0.4	1.5		87	27	5.8	2.1	0.6	0.5	0.3
31	0.06		0.4	1.5		82		6.1		0.6	0.5	
	250		3656		3804.7		7186		1224		1256	
		208		444		4299		4059		43.0		93
MEAN	0.08	0.07	1.18	1.43	136.	139.	240.	13.1	4.08	1.39	0.40	0.31
ACRE-FEET	5.0	4.1	72.	88.	7550.	8520.	14,250.	805.	243.	85.	24.	18.

Remarks:

YEAR OR PERIOD MEAN 43.7
ACRE-FEET 31,660.

76D74M Cab 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

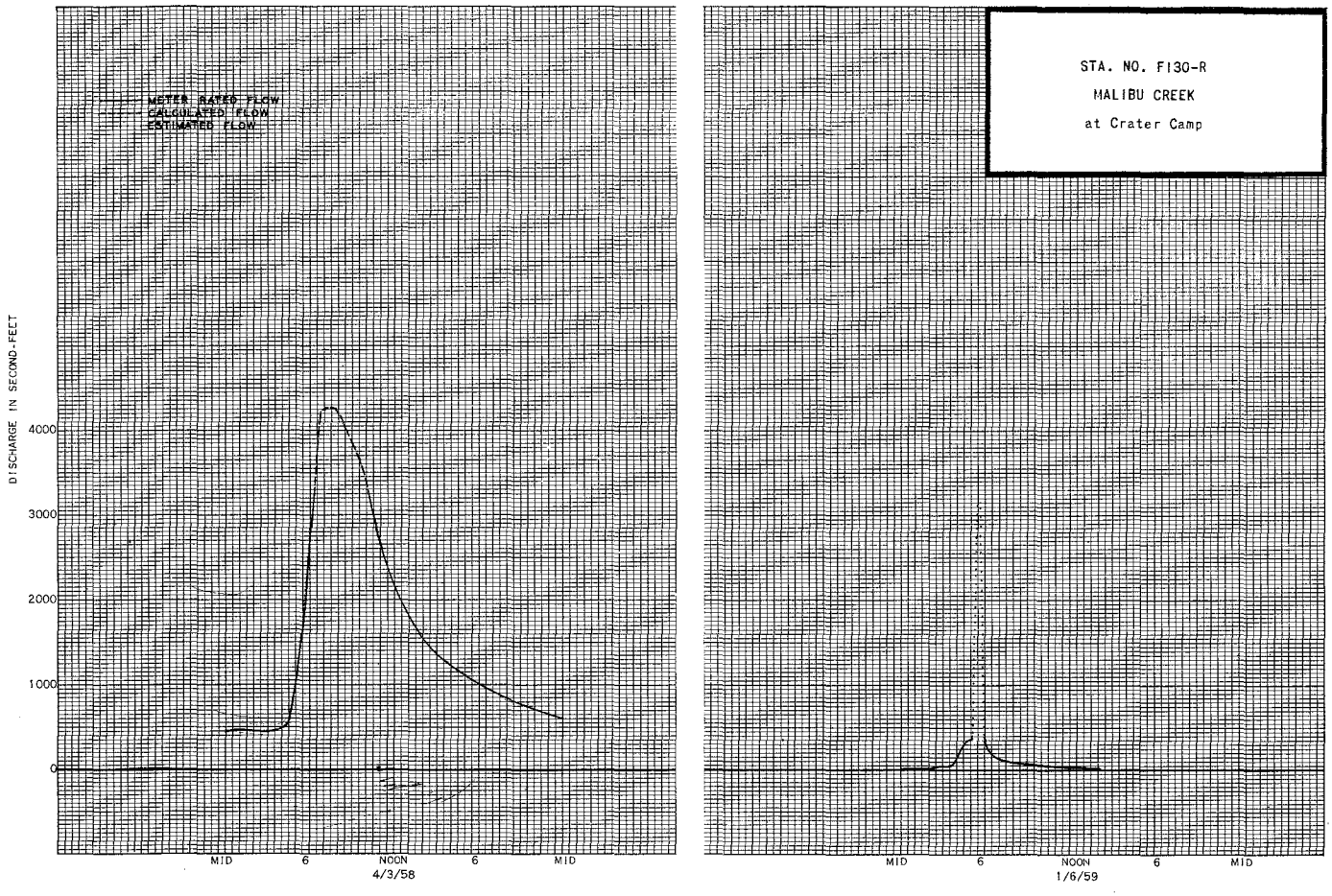
Sta. No. F130-R

Daily discharge, in second-feet of MALIBU CREEK at Crater Camp, for the year ending September 30, 19 59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.2	0.2	0.5	0.6	1.0	5.5	1.7	0.8	0.3	0.2	0.1	0.1
2	0.2	0.2	0.5	0.6	0.8	4.4	1.5	0.8	0.3	0.2	0.1	0.1
3	0.2	0.3	0.4	0.6	0.8	4.2	1.5	0.8	0.3	0.1	0.1	0.1
4	0.2	0.3	0.4	0.6	0.8	3.9	1.4	0.6	0.3	0.1	0.1	0.1
5	0.2	0.3	0.4	0.8	1.0	3.7	1.4	0.6	0.3	0.1	0.1	0.1
6	0.2	0.3	0.4	114	1.0	3.7	1.5	0.6	0.4	0.1	0.1	0.1
7	0.2	0.3	0.4	5.5	1.0	3.7	1.4	0.6	0.4	0.1	0.1	0.1
8	0.2	0.3	0.5	2.4	1.4	3.5	1.2	0.6	0.4	0.1	0.1	0.1
9	0.2	0.3	0.5	2.4	1.2	3.3	1.0	0.6	0.4	0.1	0.1	0.1
10	0.2	0.3	0.5	2.0	1.4	3.0	1.0	0.6	0.4	0.1	0.1	0.1
11	0.2	0.3	0.5	1.8	76	2.6	1.0	0.6	0.3	0.1	0.1	0.1
12	0.2	0.3	0.5	1.4	6.8	2.6	1.0	0.6	0.3	0.1	0.1	0.1
13	0.1	0.3	0.5	1.4	3.7	2.4	1.0	0.6	0.3	0.1	0.1	0.1
14	0.2	0.3	0.5	1.4	2.8	2.4	1.0	0.6	0.3	0.1	0.1	0.1
15	0.2	0.3	0.5	1.2	2.4	2.3	1.0	0.5	0.3	0.1	0.1	0.1
16	0.2	0.3	0.5	1.2	114	2.3	1.0	0.5	0.3	0.1	0.1	0.1
17	0.2	0.4	0.6	1.2	35	2.3	1.0	0.6	0.3	0.1	0.1	0.1
18	0.1	0.4	0.6	1.2	11	2.1	1.0	0.6	0.2	0.1	0.1	0.5
19	0.2	0.4	0.6	1.0	7.4	2.1	1.0	0.6	0.2	0.1	0.1	0.6
20	0.2	0.4	0.6	1.0	6.8	2.1	0.8	0.5	0.2	0.1	0.1	0.8
21	0.2	0.4	0.6	1.0	74	2.0	0.8	0.5	0.2	0.1	0.1	0.1
22	0.2	0.4	0.6	1.0	26	1.8	0.8	0.5	0.2	0.1	0.1	0.1
23	0.2	0.4	0.6	1.0	13	2.0	0.8	0.5	0.2	0.1	0.1	0.1
24	0.2	0.5	0.6	1.0	9.7	2.0	0.8	0.5	0.2	0.1	0.1	0.1
25	0.2	0.5	0.6	1.0	7.4	2.0	1.0	0.5	0.2	0.1	0.1	0.1
26	0.2	0.5	0.6	0.8	6.8	2.0	1.0	0.5	0.2	0.1	0.1	0.2
27	0.2	0.5	0.6	0.8	5.8	1.8	1.0	0.4	0.2	0.1	0.1	0.2
28	0.2	0.5	0.6	0.8	5.5	1.7	0.8	0.4	0.2	0.1	0.1	0.2
29	0.2	0.5	0.6	1.0		1.5	0.8	0.4	0.2	0.1	0.1	0.2
30	0.2	0.5	0.6	1.0		1.7	0.8	0.4	0.2	0.1	0.1	0.2
31	0.2		0.6	1.0		1.7		0.3		0.1	0.1	
	6.0		16.5		424.5		32.0		8.2		3.1	
		10.9		152.7		82.3		17.2		3.3		5.1
MEAN	0.19	0.36	0.53	49.3	15.2	2.65	1.07	0.55	0.27	0.11	0.1	0.17
ACRE-FEET	12.	22.	33.	303.	842.	163.	63.	34.	16.	6.5	6.1	10.

Remarks:

YEAR OR PERIOD MEAN 2.09
ACRE-FEET 1510.



STATION F328-R
MINT CANYON CREEK at Fitch Avenue

LOCATION: WATER-STAGE RECORDER, LAT. 34°26'48", LONG. 118°25'39", ON THE RIGHT (WEST) UPSTREAM WINGWALL OF THE FITCH AVENUE BRIDGE, ELEVATION OF ZERO GAGE HEIGHT 1638.32 FEET.

DRAINAGE AREA: 26.92 SQUARE FEET.

CHANNEL AND CONTROL: CHANNEL - SAND AND GRAVEL, SOME WEED GROWTH. NO ARTIFICIAL CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM UPSTREAM SIDE OF FITCH AVENUE BRIDGE.

RECORDER: AN H.C.F. CONTINUOUS RECORDER IN SERVICE FROM OCTOBER 1, 1957 TO SEPTEMBER 30, 1959.

REGULATION: NONE.

DIVERSION: NONE.

RECORDS AVAILABLE: OCTOBER 26, 1956 TO SEPTEMBER 30, 1959.

EXTREMES OF DISCHARGE:
1957-58
MAXIMUM 708 SECOND-FEET DECEMBER 15.
MINIMUM NO FLOW MOST OF YEAR.
1958-59
MAXIMUM 317 SECOND-FEET JANUARY 6.
MINIMUM NO FLOW MOST OF YEAR.
1956-59
MAXIMUM 708 SECOND-FEET DECEMBER 15, 1959.
MINIMUM NO FLOW MOST OF EACH YEAR.

ACCURACY: FAIR.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF MINT CANYON CREEK

~~AT~~ ~~NEAR~~ Fitch Avenue DURING THE YEAR ENDING SEPTEMBER 30, 19~~58~~

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
6	11/2	2303 / 2307	WHISLER-LUGO	6.5	1.08	2.13	5.38	2.3		.5	5	-.01	FC5
7	12/5	0115 / 0120	" "	6.0	1.37	2.48	5.51	3.4		.5	7	+.05	"
8	12/15	1110 / 1113	WHISLER		CHANNELS		5.50	4.2		.5	5	+.02	"
9	2/3	0507 / 0512	"	12.5	2.90	3.86	5.31	11.2		.5	7	-.02	FC41
10	2/4	0618 / 0623	WHISLER-MEDINA	18.0	8.65	5.71	5.73	48.4		.6	6	-.04	"
11	2/4	1435 / 1440	" "	18.0	7.36	5.11	5.55	37.7		.6	7	0	"
12	2/19	0720 / 0725	WHISLER-STRINGER	9.0	1.96	3.77	5.29	7.4		.5	6	0	"
13	4/1	0806 / 0810	WHISLER-MOSES	15.0	3.31	3.92	5.24	12.7		.6	6	-.01	"
14	4/1	1534 / 1540	" "	30.0	17.1	5.86	5.83	100.		.6	8	-.02	"
15	4/3	0718 / 0726	" "	35.0	23.6	6.87	6.13	162.		.6	8	0	"
16	4/3	1448 / 1452	" "	16.0	5.00	4.45	5.27	22.2		.6	6	0	"
17	4/6	1159 / 1203	WHISLER-STRINGER	14.0	5.83	5.23	5.23	30.4		.5 .6	7	-.03	"

DISCHARGE MEASUREMENTS OF MINT CANYON CREEK

~~AT~~ ~~NEAR~~ Fitch Avenue DURING THE YEAR ENDING SEPTEMBER 30, 19~~59~~

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
18	2/21	1141 / 1143	WHISLER-STRINGER	8.0	1.12	2.59	4.91	2.9		.5	4	+.01	FC41

76D74M Gab 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F328-R

Daily discharge, in second-feet of MINT CANYON CREEK at Fitch Avenue, for the year ending September 30, 1958

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	37	0	0	0	0	0
2	0	0.4	0	0	0	0	44	0	0	0	0	0
3	0	+	0	0	8.7	0	45	0	0	0	0	0
4	0	0	0	0	17	0	+	0	0	0	0	0
5	0	0	0.4	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	+	71	0	0	0	0	0
7	0	0	0	0	0	0	90	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	+	0	0	0	0	0	0
11	1.1	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	65	0	0	0.5	0	0	0	0	0	0
16	0	0	0.9	0	0	0.1	0	0	0	0	0	0
17	0	0	6.5	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	5.6	0	0	0	0	0	0	0
20	0.7	0	0	0	0	0.6	0	0	0	0	0	0
21	+	0	0	0	0	0.8	0	0	0	0	0	0
22	0	0	0	0	0	2.9	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0.1	0.3	0	0	0	0	0	0	0
26	0	0	0	4.2	0	0	0	0	0	0	0	0
27	0	0	0	0	0	1.2	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0		0	0	0	0	0	0	0
30	0	0	0	0		0	0	0	0	0	0	0
31	0		0	0		0		0		0	0	
		0.4		4.3		6.1		0		0		
	1.8		72.8		31.6		102.5		0		0	
MEAN	0.06	0.01	2.35	0.14	1.13	0.20	3.42	0	0	0	0	0
ACRE-FEET	3.6	0.8	144.	8.5	63.	12.	203.	0	0	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.60
ACRE-FEET 435.

76D74M Gab 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

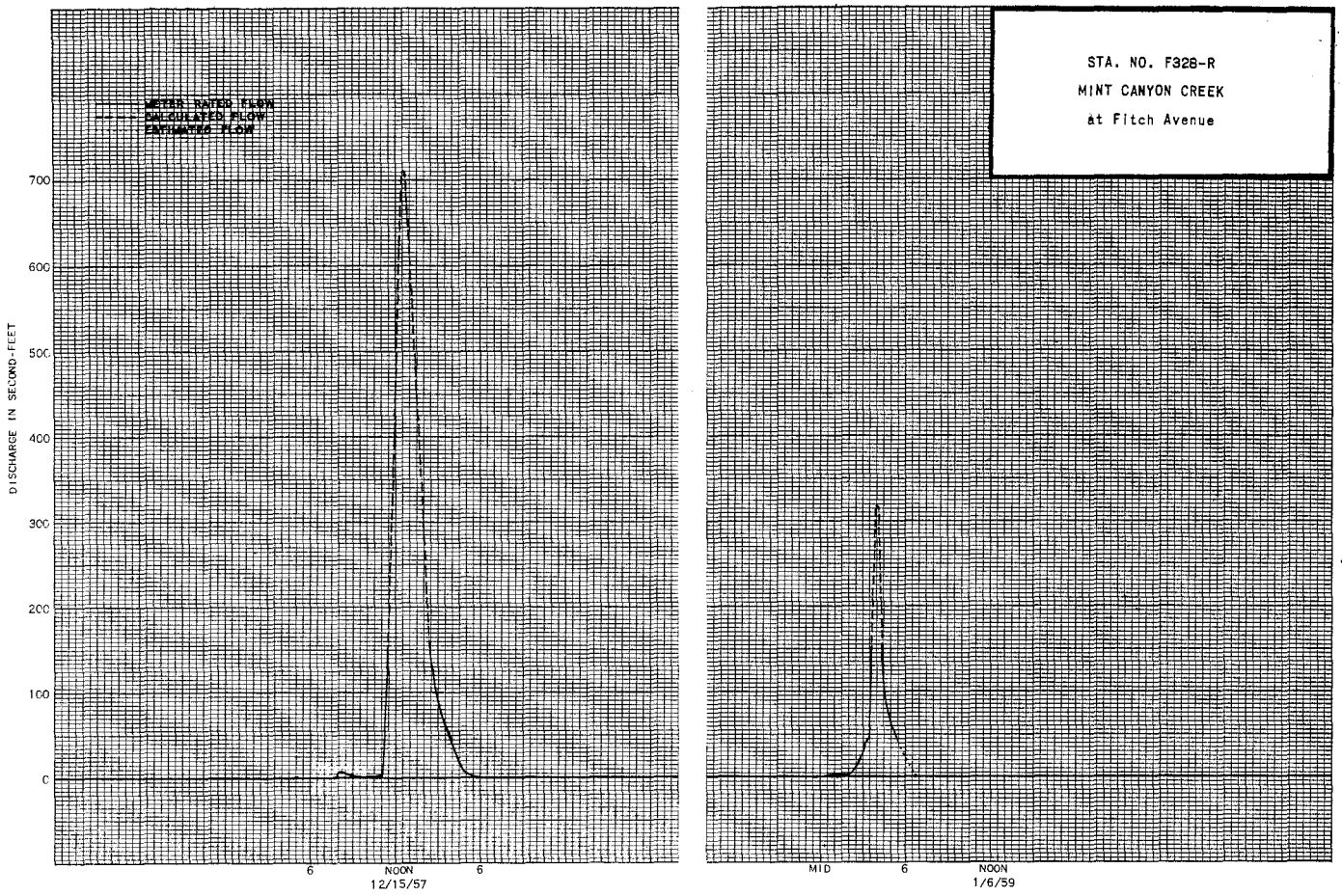
Sta. No. F328-R

Daily discharge, in second-feet of MINT CANYON CREEK at Fitch Avenue, for the year ending September 30, 1959

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	+	0	0	0	0	0	0	0	0
6	0	0	0	14	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	6.1	0	0	0	0	0	0	0
12	0	0	0	0	+	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0.7	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0.6	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0.4	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0		0	0	0	0	0	0	0
30	0	0	0	0		0	0	0	0	0	0	0
31	0		0	0		0		0		0	0	
	0.4		0		7.4		0		0		0	
		0		14.0		0		0		0		0
MEAN	.01	0	0	0.45	0.26	0	0	0	0	0	0	0
ACRE-FEET	0.8	0	0	28.0	15.	0	0	0	0	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.01
ACRE-FEET 43.8



STATION F330-R
MISSION CREEK below Legg Lake

LOCATION: WATER-STAGE RECORDER, LAT°34 02'09", LONG. 118°03'47", AT THE OUTLET FROM LEGG LAKE ON EAST SIDE OF ROSEMEAD BOULEVARD. ELEVATION OF ZERO GAGE HEIGHT ABOUT 204.0 FEET.

DRAINAGE AREA: 3.45 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - CONCRETE BOX CULVERT.
CONTROL - A 6-FOOT RECTANGULAR WEIR WITHOUT END CONTRACTIONS.

DISCHARGE MEASUREMENTS: MEASURED BY WADING BELOW ROSEMEAD BOULEVARD.

RECORDER: A STEVENS TYPE L RECORDER IN SERVICE FROM OCTOBER 1, 1957 TO SEPTEMBER 30, 1959.

REGULATION: SOME WATER PUMPED TO KEEP LEGG LAKE LEVEL AND TO SATISFY EVAPORATION AND PERCOLATION FROM THE LAKE.

DIVERSIONS: NONE.

RECORDS AVAILABLE: AUGUST 8, 1956 TO SEPTEMBER 30, 1959. SOME STREAM FLOW MEASUREMENTS WERE MADE STARTING JUNE 7, 1956.

OPERATION: LOCATED AND CONSTRUCTED BY THE LOS ANGELES COUNTY ENGINEER DEPARTMENT. OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF MISSION CREEK

~~AT~~ NEAR below Legg Lake DURING THE YEAR ENDING SEPTEMBER 30, 19 56

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	D. HT. CHANGE TOTAL	METER NO.
86	10/3	1045 / 1057	WADDICOR	3.6	0.7	1.22	0.14	0.94		.5	8	0	FC52
87	10/3	1135 / 1146	"	3.2	0.45	0.97	0.08	0.44		.5	8	0	"
88	10/3	1237 / 1248	"	3.3	0.50	1.10	0.10	0.55		.5	8	0	"
89	10/4	0815 / 0825	"	3.1	0.39	0.80	0.07	0.31		.5	7	0	"
90	10/4	0850 / 0902	"	3.3	0.52	1.17	0.11	0.61		.5	8	0	"
91	10/10	1140 / 1147	"	2.5	0.40	1.18	0.10	0.47		.5	7	0	"
92	10/17	1145 / 1156	"	3.9	0.57	0.84	0.10	0.48		.5	8	0	"
93	10/24	1052 / 1100	"	2.1	0.31	1.26	0.07	0.39		.5	6	0	"
94	10/31	0800 / 0807	"	2.0	0.29	1.34	0.07	0.39		.5	5	0	"
95	11/7	1100 / 1110	"	3.5	0.45	0.98	0.08	0.44		.5	7	0	"
96	11/14	1039 / 1049	"	3.7	0.56	0.89	0.09	0.50		.5	8	0	"
97	11/21	1040 / 1045	"	2.0	0.18	0.39	0.02	0.07		.5	5	0	"
98	11/21	1240 / 1252	"	0.38	0.60	0.87	0.09	0.52		.5	9	0	"
99	11/27	1100 / 1105	"	1.4	0.10	0.80	0.04	0.08		.5	5	0	"
100	11/27	1247 / 1258	"	3.0	0.48	0.92	0.09	0.44		.5	7	0	"
101	12/5	1420 / 1429	ROY-ROBINSON	2.0	0.14	0.43	0.03	0.06		.5	5	0	"
102	12/12	1117 / 1126	WADDICOR	2.0	0.24	0.83	0.06	0.20		.5	5	0	"
103	12/16	1430 / 1438	WADDICOR-GARCIA	3.6	0.62	1.02	0.12	0.63		.5	8	0	"
104	12/18	1437 / 1441	WADDICOR	3.0	0.29	0.69	0.06	0.20		.5	7	0	"
105	12/18	1519 / 1531	"	4.3	0.94	1.17	0.14	1.1		.5	10	0	"
106	12/19	1130 / 1138	"	1.4	0.15	1.53	0.06	0.23		.5	5	0	"
107	12/27	0958 / 1002	ROY	1.8	0.15	0.73	0.03	0.11		.5	5	0	FC49
108	1/2	1215 / 1220	"	2.0	0.15	0.67	0.03	0.10		.5	5	0	FC52
109	1/4	0936 / 0944	"	4.0	0.62	0.81	0.08	0.50		.5	7	0	"
110	1/4	0955 / 1000	"	4.5	0.83	0.75	0.10	0.63		.5	7	0	"
111	1/9	1329 / 1337	WADDICOR	3.1	0.76	1.21	0.14	0.92		.5	7	0	"
112	1/9	1350 / 1356	"	2.5	0.38	1.08	0.08	0.41		.5	6	0	"
113	1/15	0917 / 0925	"	2.1	0.16	0.56	0.05	0.09		.5	5	0	"
114	1/15	1000 / 1012	"	3.6	0.95	0.90	0.14	0.86		.5	8	0	"
115	1/16	1130 / 1138	"	3.5	0.81	1.04	0.13	0.84		.5	8	0	"
116	1/23	1055 / 1103	"	2.2	0.20	0.50	0.04	0.10		.5	5	0	"
117	1/23	1110 / 1120	"	3.2	0.57	1.33	0.11	0.76		.5	7	0	"
118	1/30	1031 / 1040	WADDICOR-GARCIA	3.2	0.40	0.82	0.07	0.33		.5	6	0	"
119	1/30	1047 / 1055	" "	3.0	0.58	1.10	0.11	0.64		.5	7	0	"
120	2/6	1145 / 1152	WADDICOR	2.2	0.21	0.67	0.04	0.14		.5	5	0	"
121	2/6	1202 / 1212	"	3.1	0.56	1.25	0.11	0.70		.5	7	0	"
122	2/13	1320 / 1328	WADDICOR-ROY	3.5	0.55	1.02	0.09	0.56		.5	8	0	"
123	2/21	0927 / 0934	WADDICOR-ROY	3.2	0.37	0.95	0.08	0.35		.5	7	0	FC52
124	2/27	1055 / 1105	WADDICOR	3.4	0.46	1.04	0.08	0.48		.5	7	0	"
125	2/27	1110 / 1116	"	2.8	0.46	1.40	0.10	0.64		.5	7	0	"
126	3/7	0940 / 0946	WADDICOR-GARCIA	2.7	0.30	0.80	0.06	0.24		.5	6	0	"
127	3/7	0954 / 1002	" "	3.0	0.47	1.23	0.10	0.58		.5	7	0	"
128	3/7	1123 / 1132	" "	3.7	0.92	1.30	0.14	1.2		.5	8	0	"
129	3/13	1008 / 1018	WADDICOR	3.5	0.89	1.24	0.10	1.1		.6	8	0	"
130	3/20	1017 / 1028	"	4.3	0.87	1.26	0.14	1.1		.5	9	0	"
131	3/27	0955 / 1008	WADDICOR-GARCIA	5.0	1.16	0.95	0.14	1.1		.5	6	0	"
132	4/4	1215 / 1225	" "	5.6	1.37	1.02	0.16	1.4		.6	7	0	"
133	4/10	1032 / 1042	WADDICOR	5.0	1.38	1.16	0.18	1.6		.5	7	0	"
134	4/17	0854 / 0900	ROY	5.0	1.03	0.88	0.14	0.92		.5	6	0	FC51
135	4/23	1115 / 1127	WADDICOR	4.2	1.05	0.95	0.15	1.0		.5	9	0	FC52
136	4/23	1135 / 1148	"	4.4	1.13	0.97	0.15	1.1		.5	9	0	"
137	5/1	1042 / 1058	"	5.0	1.23	0.89	0.15	1.1		.5	10	0	"
138	5/8	0930 / 0940	"	5.3	1.42	0.84	0.15	1.2		.6	10	0	"
139	5/15	0920 / 0930	"	3.9	1.19	0.92	0.15	1.1		.6	8	0	"
140	5/29	1410 / 1420	BROOK-ROY	5.0	1.41	0.59	0.13	0.83		.5 .6	9	0	FC51
141	6/5	1300 / 1310	WADDICOR	5.1	0.94	0.99	0.13	0.93		.6	11	0	FC52
142	6/12	1115 / 1124	"	3.5	1.01	0.99	0.14	1.0		.5	7	0	"
143	6/16	1050 / 1100	"	4.5	1.39	1.08	0.17	1.5		.5	9	0	"
144	6/16	1140 / 1148	"	6.0	2.81	1.07	0.25	3.0		.6	7	0	"
145	6/19	1301 / 1311	WADDICOR-BURKE	5.1	2.38	1.22	0.28	2.9		.6	10	0	"
146	6/26	1020 / 1028	WADDICOR	4.6	1.69	1.18	0.27	2.0		.6	9	0	"
147	7/3	1450 / 1500	"	4.8	1.76	1.20	0.27	2.1		.5	9	0	"
148	7/10	1110 / 1122	"	6.7	2.90	0.79	0.29	2.3		.6	9	0	"
149	7/17	1055 / 1100	"	5.0	2.05	1.02	0.29	2.1		.6	7	0	"
150	7/18	0940 / 0946	"	5.8	2.16	0.79	0.24	1.7		.6	7	0	"
151	7/25	0833 / 0839	"	5.8	2.30	0.78	0.25	1.8		.6	7	0	"
152	7/31	0940 / 0948	"	5.8	2.21	0.68	0.22	1.5		.6	7	0	"
153	8/6	0910 / 0922	"	5.9	3.44	0.70	0.34	2.4		.6	8	0	"
154	8/14	1015 / 1025	ROY	6.0	3.38	0.68	0.30	2.3		.6	9	0	"
155	8/21	1336 / 1344	"	6.0	3.69	0.76	0.31	2.8		.6	8	0	"
156	8/28	1037 / 1047	WADDICOR	6.0	4.13	0.60	0.30	2.5		.5	8	0	"
157	9/4	1045 / 1055	"	6.0	3.88	0.64	0.28	2.5		.6	8	0	"
158	9/18	1035 / 1045	"	6.0	3.87	0.62	0.27	2.4		.6	8	0	"
159	9/25	1225 / 1235	"	6.0	3.97	0.58	0.28	2.3		.6	8	0	"

DISCHARGE MEASUREMENTS OF MISSION CREEK

AT OR NEAR below Legg Lake DURING THE YEAR ENDING SEPTEMBER 30, 1959

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATINGS	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
160	10/3	0935 / 0945	WADDICOR	6.0	3.86	0.62	0.28	2.4		.6	8	0	FC52
161	10/9	1015 / 1025	ROY	6.0	3.67	0.54	0.30	2.0		.5 .6	9	0	"
162	10/16	1030 / 1040	WADDICOR	6.0	3.48	0.66	0.29	2.3		.6	8	0	"
163	10/23	1000 / 1010	"	6.0	3.43	0.67	0.27	2.3		.6	8	0	"
164	10/30	1017 / 1025	WADDICOR-WALTER	6.0	3.20	0.66	0.28	2.1		.6	13	0	"
165	11/6	1126 / 1136	WADDICOR	6.0	2.98	0.67	0.27	2.0		.6	8	0	"
166	11/20	1315 / 1322	"	6.0	3.29	0.55	0.26	1.8		.6	8	0	"
167	11/26	1050 / 1100	"	6.0	3.51	0.51	0.26	1.8		.6	8	0	"
168	12/11	1050 / 1100	"	6.0	5.16	0.66	0.39	3.4		.6	8	0	"
169	12/18	1145 / 1155	"	6.0	5.33	0.60	0.39	3.2		.6	8	0	"
170	12/26	1050 / 1100	"	6.0	4.10	0.54	0.40	2.2		.6	8	0	"
171	1/2	1418 / 1428	"	6.0	3.99	0.55	0.38	2.2		.6	8	0	"
172	1/8	1406 / 1412	ROY	6.0	5.27	0.51	0.38	2.7		.6	5	0	"
173	1/15	1024 / 1032	"	6.0	5.33	0.60	0.40	3.2		.6	7	0	"
174	1/22	1106 / 1115	"	6.0	5.47	0.57	0.40	3.1		.6	7	0	"
175	1/29	1024 / 1034	"	6.0	5.57	0.56	0.40	3.1		.6	7	0	"
176	2/5	1120 / 1130	WADDICOR	6.0	5.60	0.54	0.41	3.0		.6	8	0	"
177	2/12	0902 / 0910	WADDICOR-FALCONE	6.0	5.72	0.58	0.40	3.3		.5 .6	8	0	"
178	2/18	1320 / 1332	WADDICOR-GARCIA	6.0	5.72	0.54	0.39	3.1		.6	8	0	"
179	2/26	1240 / 1250	WADDICOR	6.0	3.40	0.88	0.39	3.0		.6	8	0	"
180	3/5	1220 / 1231	"	6.0	5.86	0.53	0.42	3.1		.6	8	0	"
181	3/12	1115 / 1125	"	6.0	5.15	0.64	0.44	3.3		.6	8	0	"
182	3/19	1125 / 1135	"	6.0	5.53	0.33	0.36	1.8		.6	8	0	"
183	3/19	1255 / 1305	"	6.0	6.45	0.59	0.46	3.8		.6	8	0	"
184	3/26	1100 / 1110	WADDICOR	6.0	4.66	0.71		3.3		.6	8	0	FC52
185	4/2	0830 / 0840	"	6.0	2.18	1.19		2.6		.6	7	0	"
186	4/9	1130 / 1142	"	6.0	2.10	1.66	0.23	3.5		.6	8	0	"
187	4/23	1125 / 1134	"	6.1	2.10	1.33		2.8		.5 .6	8	0	"
188	5/1	0910 / 0918	"	6.2	2.17	1.34		2.9		.6	8	0	"
189	5/7	1112 / 1119	"	6.3	2.16	1.30		2.8		.6	8	0	"
190	5/14	1050 / 1100	"	6.0	3.90	0.59	0.19	2.3		.6	8	0	"
191	5/21	1112 / 1119	"	6.0	3.81	0.76	0.21	2.9		.5 .6	7	0	"
192	5/28	1230 / 1303	WADDICOR-LINDSAY	6.0	3.59	0.56	0.21	2.0		.6	14	0	"
193	6/4	1126 / 1135	WADDICOR	6.0	3.52	0.54	0.20	1.9		.6	8	0	"
194	6/18	1130 / 1140	"	6.0	3.77	0.66		2.5		.6	8	0	"
195	6/25	1112 / 1124	BROOK-WADDICOR	4.9	1.21	1.65		2.0		.6	8	0	"
196	7/2	1240 / 1254	BROOK	4.4	1.15	1.56		1.8		.5	10	0	"
197	7/9	1215 / 1227	"	4.4	1.12	1.69	0.18	1.9		.5	11	0	"
198	7/16	1108 / 1117	"	4.2	1.15	1.74		2.0		.5	7	0	"
199	7/23	1135 / 1148	WADDICOR	4.5	1.02	1.47		1.5		.5	10	0	"
200	7/30	1110 / 1120	"	6.6	1.58	0.82	0.13	1.3		.5	8		"
201	8/6	1048 / 1058	"	6.8	1.87	0.75	0.13	1.4		.5 .6	8	0	"
202	8/13	1045 / 1055	"	6.8	1.94	0.62		1.2		.5	8	0	"
203	8/25	0930 / 0940	ROY	4.5	0.69	0.49		0.34		.5	6	0	FC50
204	8/25	0945 / 0955	"	5.3	1.01	0.98		0.99		.5 .6	7	0	"
205	8/27	1059 / 1108	WADDICOR	5.3	0.98	0.95		0.93		.5	7	0	FC52
206	9/3	1115 / 1125	"	5.5	0.83	0.37		0.31		.5	7	0	"
207	9/3	1210 / 1219	"	5.5	1.14	0.96		1.1		.5	7	0	"
208	9/10	1021 / 1030	"	5.2	1.08	1.11		1.2		.5	7	0	"
209	9/17	1135 / 1143	"	5.6	1.16	1.04		1.2		.5	7	0	"
210	9/24	1720 / 1728	"	6.0	1.41	0.78		1.1		.5	7	0	"

FORM Gls 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F330-R

Daily discharge, in second-feet of MISSION CREEK below Legg Lake, for the year ending September 30, 1958

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.6	0.4	0.3	0.3	0.5	0.6	1.4	1.1	0.8	2.1	1.5	2.5
2	0.9	0.4	0.2	0.1	0.5	0.5	1.4	1.1	0.9	2.1	1.5	2.5
3	0.6	0.4	0.2	0.1	0.5	0.4	2.5	1.1	0.9	2.1	1.5	2.5
4	0.5	0.4	0.1	0.4	2.0	0.3	1.4	1.1	0.9	2.1	1.5	2.5
5	0.6	0.4	0.1	0.6	0.2	0.3	1.3	1.2	0.9	2.2	1.5	2.5
6	0.6	0.4	0.1	0.7	0.4	0.2	1.4	1.2	0.9	2.2	2.1	2.5
7	0.6	0.4	0.1	0.9	0.7	0.8	3.3	1.2	0.9	2.2	2.4	2.5
8	0.6	0.4	0.1	0.9	0.7	1.2	1.7	1.2	0.9	2.3	2.4	2.5
9	0.5	0.4	+	0.7	0.7	1.2	1.6	1.2	1.0	2.3	2.4	2.5
10	0.5	0.4	+	0.4	0.7	1.2	1.6	1.2	1.0	2.3	2.4	2.5
11	0.5	0.4	+	0.4	0.6	1.1	1.6	1.2	1.0	2.3	2.3	2.4
12	0.5	0.5	0.1	0.3	0.6	1.1	1.5	1.1	1.0	2.3	2.3	2.4
13	0.5	0.5	0.2	0.2	0.6	1.1	1.5	1.1	1.0	2.2	2.3	2.4
14	0.5	0.5	0.1	0.1	0.6	1.1	1.4	1.1	2.0	2.2	2.3	2.4
15	0.5	0.4	+	0.5	0.6	1.1	1.3	1.1	2.5	2.1	2.3	2.4
16	0.5	0.4	0.3	0.7	0.5	2.8	1.1	1.1	2.3	2.1	2.4	2.4
17	0.5	0.3	0.4	0.6	0.5	1.1	0.9	1.1	3.0	2.1	2.5	2.4
18	0.5	0.2	0.3	0.5	0.5	1.1	0.9	1.1	3.0	1.9	2.6	2.4
19	0.5	0.2	0.2	0.4	3.2	1.1	0.9	1.1	2.9	1.7	2.7	2.4
20	0.5	0.1	0.2	0.3	0.6	1.1	1.0	1.1	2.8	1.7	2.8	2.4
21	0.4	0.3	0.2	0.2	0.4	1.1	1.0	1.1	2.7	1.7	2.8	2.4
22	0.4	0.5	0.1	0.1	0.4	1.1	1.0	1.1	2.6	1.8	2.8	2.4
23	0.4	0.4	0.1	0.4	0.4	1.1	1.1	1.1	2.4	1.8	2.7	2.3
24	0.4	0.3	0.2	0.5	0.3	1.1	1.1	1.0	2.2	1.8	2.7	2.3
25	0.4	0.2	0.2	0.3	0.6	1.1	1.1	1.0	2.1	1.8	2.6	2.3
26	0.4	0.1	0.1	0.4	0.5	1.1	1.1	0.9	2.0	1.7	2.6	2.3
27	0.4	0.3	0.1	0.6	0.6	1.1	1.1	0.9	2.0	1.6	2.5	2.3
28	0.4	0.4	0.1	0.5	0.6	1.1	1.1	0.8	2.0	1.6	2.5	2.3
29	0.4	0.4	0.1	0.4		1.1	1.1	0.8	2.0	1.5	2.5	2.4
30	0.4	0.3	0.1	0.5		1.1	1.1	0.8	2.1	1.5	2.5	2.4
31	0.4		0.1	0.6		1.1		0.8		1.5	2.5	
		10.7		13.6		31.5		33.0		60.8		72.4
	15.4		4.4		19.0		40.6		52.7		72.4	
MEAN	0.50	0.36	0.14	0.44	0.68	1.02	1.35	1.06	1.76	1.96	2.34	2.41
ACRE-FEET	31.	21.	8.7	27.	38.	62.	81.	65.	105.	121.	144.	144.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 1.17
ACRE-FEET 848.

FORM 61K C(b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F330-R

Daily discharge, in second-feet of MISSION CREEK below Legg Lake, for the year ending September 30, 19 59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.4	2.1	3.4	2.2	3.1	3.0	2.7	2.9	1.9	1.8	1.3	0.4
2	2.4	2.0	3.4	2.2	3.0	3.1	2.6	2.9	1.9	1.8	1.3	0.3
3	2.4	2.0	3.4	2.2	3.0	3.1	2.7	2.9	1.9	1.8	1.4	0.6
4	2.4	2.0	3.4	2.2	3.0	3.1	2.9	2.9	1.9	1.8	1.4	1.1
5	2.3	2.0	3.4	2.2	3.0	3.1	3.0	2.8	1.9	1.8	1.4	1.1
6	2.2	2.0	3.4	2.8	3.0	3.1	3.1	2.8	2.0	1.8	1.4	1.1
7	2.1	2.0	3.4	2.7	3.1	3.1	3.2	2.8	2.0	1.8	1.4	1.1
8	2.0	2.0	3.4	2.7	3.1	3.2	3.4	2.8	2.0	1.9	1.4	1.2
9	2.0	2.0	3.4	2.7	3.2	3.2	3.5	2.7	2.1	1.9	1.3	1.2
10	2.0	2.0	3.4	2.7	3.2	3.3	3.5	2.6	2.1	1.9	1.3	1.2
11	2.1	2.0	3.4	2.7	3.3	3.3	3.4	2.5	2.2	1.9	1.3	1.2
12	2.1	2.0	3.4	3.0	3.3	3.3	3.4	2.4	2.2	1.9	1.2	1.2
13	2.2	1.9	3.4	3.2	3.3	3.3	3.3	2.3	2.3	2.0	1.2	1.2
14	2.2	1.9	3.3	3.2	3.3	3.3	3.3	2.3	2.3	2.0	1.2	1.2
15	2.3	1.9	3.3	3.2	3.3	3.3	3.2	2.3	2.4	2.0	1.1	1.2
16	2.3	1.9	3.3	3.2	e 5.0	3.3	3.2	2.3	2.4	2.0	1.1	1.2
17	2.3	1.8	3.2	3.2	e 3.5	2.5	3.1	2.3	2.5	2.0	1.0	1.2
18	2.3	1.8	3.2	3.2	3.1	1.8	3.1	2.4	2.5	2.0	0.9	1.2
19	2.3	1.8	3.1	3.1	3.1	2.6	3.0	2.9	2.5	2.0	0.8	1.2
20	2.3	1.8	3.0	3.1	3.1	3.6	3.0	2.9	2.5	2.0	0.7	1.2
21	2.3	1.8	2.8	3.1	3.1	3.8	2.9	2.9	2.4	2.0	0.6	1.2
22	2.3	1.8	2.7	3.1	3.1	3.7	2.9	2.8	2.2	1.5	0.5	1.1
23	2.3	1.8	2.5	3.1	3.0	3.6	2.8	2.6	2.0	1.5	0.4	1.1
24	2.3	1.8	2.4	3.1	3.0	3.5	2.8	2.5	2.0	1.5	0.3	1.1
25	2.3	1.8	2.3	3.1	3.0	3.4	2.8	2.4	2.0	1.5	0.7	1.1
26	2.2	1.8	2.2	3.1	3.0	3.3	2.6	2.3	2.0	1.5	0.9	1.1
27	2.2	1.8	2.2	3.1	3.0	3.2	2.8	2.1	2.0	1.3	1.0	1.1
28	2.2	1.8	2.2	3.1	3.0	3.1	2.9	2.0	1.9	1.3	0.8	1.2
29	2.1	2.5	2.2	3.1		3.0	2.9	2.0	1.9	1.3	0.7	1.2
30	2.1	3.4	2.2	3.1		2.9	2.9	2.0	1.9	1.3	0.6	1.2
31	2.1		2.2	3.1		2.8		2.0		1.3	0.5	
	69.0	59.2	92.5	89.8	89.2	98.3	91.1	78.3	63.8	54.1	31.0	32.7
MEAN	2.23	1.97	2.98	2.90	3.19	3.17	3.04	2.53	2.13	1.75	1.00	1.09
ACRE-FEET	137.	117.	183.	178.	177.	195.	181.	155.	127.	107.	61.	65.

Remarks:

YEAR OR PERIOD MEAN 2.33
ACRE-FEET 1690.

STATION F63-R
MISSION CREEK at San Gabriel Boulevard

LOCATION: WATER-STAGE RECORDER, LAT. 34°01'47", LONG. 118°04'07", ON THE UPSTREAM END OF THE RIGHT (WEST) ABUTMENT OF SAN GABRIEL BOULEVARD BRIDGE, JUST EAST OF THE RIO HONDO, ABOUT TWO MILES NORTHEAST OF MONTEBELLO. ELEVATION OF ZERO GAGE HEIGHT ABOUT 188.2 FEET.

DRAINAGE AREA: ABOUT 4.15 SQUARE MILES. FLOW ORIGINATES ALMOST ENTIRELY FROM RISING WATER.

CHANNEL AND CONTROL: CHANNEL - SAND COVERED WITH WEEDS AND BRUSH; SOME CROSS FENCES WHICH CATCH DEBRIS. NO ARTIFICIAL CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING AT STATION; HIGH FLOWS MEASURED FROM HIGHWAY BRIDGE.

RECORDER: A HORIZONTAL RATIONAL 7-DAY RECORDER IN SERVICE OCTOBER 1, 1957 TO SEPTEMBER 30, 1959.

REGULATION: PARTIALLY REGULATED BY OUTFLOW FROM LEGG LAKE.

DIVERSIONS: NONE.

RECORDS AVAILABLE: RECORDER RECORDS JUNE 14, 1930 TO SEPTEMBER 30, 1959. SOME WEEKLY STREAM FLOW MEASUREMENTS WERE TAKEN PRIOR TO INSTALLATION OF RECORDER.

EXTREMES OF DISCHARGE:
1957-58
MAXIMUM 16 SECOND-FEET FEBRUARY 19.
MINIMUM 0.1 SECOND-FOOT VARIOUS TIMES IN OCTOBER.
1958-59
MAXIMUM ESTIMATE 20 SECOND-FEET JANUARY 6.
MINIMUM 1.5 SECOND FEET AT VARIOUS TIMES.
1930-59
MAXIMUM DISCHARGE NOT DETERMINED, MARCH 2, 1938.
MAXIMUM DISCHARGE OF RECORD, 336 SECOND-FEET FEBRUARY 22, 1944.
MINIMUM PLUS FLOW SEPTEMBER 23, 1957.

ACCURACY: GOOD.

REMARKS: MISSION CREEK RECORD AS USED IN THE RISING WATER FORMULA IS DERIVED FROM Q VS. ELEVATION OF WATER SURFACE IN WELL 2946.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT IN COOPERATION WITH THE UNITED STATES GEOLOGICAL SURVEY, WATER RESOURCES BRANCH.

DISCHARGE MEASUREMENTS OF MISSION CREEK

AT NEAR San Gabriel Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 1958

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	S. INT. CHANGE TOTAL	METER NO.
1136	10/2	0918 / 0926	WADDICOR	2.6	0.48	0.69	5.64	0.33		.5	6	0	FC52
1137	10/3	0928 / 0938	"	2.5	0.46	0.74	5.65	0.34		.5	6	0	"
1138	10/4	0800 / 0805	"	2.0	0.25	0.12	5.55	0.03		.5	5	0	"
1139	10/4	1555 / 1602	"	2.2	0.33	0.33	5.60	0.11		.5	6	0	"
1140	10/5	0810 / 0817	"	2.3	0.38	0.39	5.60	0.15		.5	6	0	"
1141	10/10	1017 / 1027	"	2.3	0.37	0.35	5.60	0.13		.5	8	0	"
1142	10/17	1105 / 1115	"	3.0	0.58	0.72	5.67	0.42		.5	7	0	"
1143	10/24	1007 / 1017	"	3.0	0.38	1.16	5.67	0.44		.5	7	0	"
1144	10/31	0943 / 0950	"	3.0	0.57	0.74	5.70	0.42		.5	7	0	"
1145	11/7	1010 / 1022	"	4.0	0.86	0.80	5.73	0.69		.5	8	0	"
1146	11/14	0947 / 0957	"	4.4	1.03	0.81	5.75	0.83		.5	8	0	"
1147	11/21	0952 / 1004	"	4.0	0.71	0.66	5.68	0.47		.5	8	0	"
1148	11/22	0802 / 0815	"	4.2	0.91	0.73	5.72	0.66		.5	9	0	"
1149	11/27	0951 / 1002	"	3.9	0.71	0.56	5.67	0.40		.5	8	0	"
1150	12/5	1100 / 1110	ROY-ROBINSON	4.5	0.81	0.56	5.68	0.45		.5	6	0	"
1151	12/12	1000 / 1012	WADDICOR	4.1	0.84	0.64	5.70	0.54		.6	9	0	"
1152	12/13	0840 / 0951	"	4.2	0.82	0.77	5.72	0.63		.5	9	0	"
1153	12/17	1330 / 1341	"	4.4	1.06	0.82	5.78	0.87		.6	9	0	"
1154	12/19	1035 / 1047	"	4.3	1.30	0.85	5.80	1.1		.6	9	0	"
1155	12/27	1016 / 1025	ROY	4.4	1.17	0.82	5.78	0.96	.5	.6	10	0	FC49
1156	12/31	1440 / 1450	HOLLERON-BROOK	4.4	1.22	0.90	5.80	1.1	.5	.6	10	0	FC48
1157	1/2	1142 / 1150	ROY	4.5	1.33	0.75	5.81	1.0		.6	7	0	FC52
1158	1/9	1200 / 1212	WADDICOR	8.0	4.32	0.51	6.18	2.2		.6	9	0	"
1159	1/10	1250 / 1300	"	6.8	2.76	0.54	6.00	1.5		.6	9	0	"
1160	1/15	0830 / 0843	"	7.1	2.97	0.47	6.04	1.4		.5 .6	11	0	"
1161	1/16	0816 / 0831	"	6.5	2.22	0.90	5.90	2.0		.6	14	0	"
1162	1/17	0810 / 0826	"	6.6	2.26	0.93	5.94	2.1		.5 .6	14	0	"
1163	1/23	0959 / 1012	"	6.6	2.01	0.85	5.89	1.7		.5 .6	13	0	"
1164	1/24	0850 / 0903	"	6.7	2.14	0.88	5.91	1.9		.5 .6	9	0	"
1165	1/30	0933 / 0945	WADDICOR-GARCIA	7.0	2.45	0.90	5.97	2.2		.6	10	0	"
1166	1/30	1552 / 1606	" "	7.0	2.55	0.90	5.98	2.3		.6 .5	14	0	"
1167	2/6	1100 / 1112	WADDICOR	7.0	2.57	0.93	5.98	2.4		.6	10	0	"
1168	2/7	1426 / 1440	"	7.6	2.98	0.91	6.03	2.7		.5 .6	11	0	"
1169	2/13	1348 / 1400	WADDICOR-ROY	8.0	3.39	0.92	6.07	3.1		.6	11	0	FC52
1170	2/21	0835 / 0846	" "	7.6	3.32	1.06	6.04	3.5		.6	11	0	"
1171	2/27	0948 / 1004	WADDICOR	8.0	3.68	0.98	6.10	3.8		.6	11	0	"
1172	3/7	1010 / 1021	WADDICOR-GARCIA	8.2	3.62	0.88	6.06	3.2		.6	10	0	"
1173	3/13	0912 / 0923	WADDICOR	8.5	3.87	1.01	6.12	3.9		.6	10	0	"
1174	3/20	0920 / 0936	"	8.3	4.54	0.95	6.15	4.3		.6	12	0	"
1175	3/27	0915 / 0924	WADDICOR-GARCIA	8.5	4.06	1.18	6.18	4.8		.6	10	0	"
1176	4/3	1040 / 1050	" "	14.0	11.7	0.64	6.68	7.5		.6	9	0	"
1177	4/10	0943 / 0955	WADDICOR	10.0	5.75	1.13	6.28	6.5		.6	11	0	"
1178	4/17	0834 / 0842	ROY	9.0	5.49	0.95	6.26	5.2		.5 .6	10	0	FC51
1179	4/23	0845 / 0906	WADDICOR	8.3	5.58	0.97	6.24	5.4		.6	12	0	FC52
1180	5/1	0920 / 0923	"	15.0	15.0	0.31	6.86	4.6		.6	11	0	"
1181	5/8	0840 / 0855	"	15.6	14.4	0.75	6.80	5.2		.6	16	0	"
1182	5/15	0828 / 0842	"	15.5	14.9	0.37	6.82	5.5		.6	16	0	"
1183	5/22 / 5/28	1334 / 1345	BROOK-ROY	13.3	12.5	0.35	6.82 / 6.80	5.4 / 4.4		.6	11	0	FC51
1184	6/5	1018 / 1028	WADDICOR	11.8	9.85	0.61	6.82	6.0		.6	13	0	FC52
1185	6/12	1040 / 1055	"	13.0	13.6	0.39	6.77	5.3		.6	14	0	"
1186	6/19	1129 / 1142	WADDICOR-BURKE	13.0	14.4	0.51	6.82	7.4		.6	14	0	"
1187	6/26	0822 / 0833	WADDICOR	10.0	8.53	0.67	6.43	5.7		.6	11	0	"
1188	7/3	1400 / 1410	"	11.2	8.40	0.65	6.43	5.5		.6	11	0	"
1189	7/10	1025 / 1042	"	9.60	6.03	0.93	6.39	5.6		.6	13	0	"
1190	7/17	1007 / 1017	"	10.2	4.26	1.32	6.43	5.6		.6	11	0	"
1191	7/18	1232 / 1242	"	10.0	5.14	1.01	6.26	5.2		.6	11	0	"
1192	7/24	0830 / 0838	"	10.0	4.26	1.29	6.23	5.5		.6	11	0	"
1193	7/31	0830 / 0840	"	9.0	4.88	1.00	6.20	4.9		.6	11	0	"
1194	8/7	0915 / 0928	"	9.5	5.59	1.09	6.26	6.1		.6	12	0	"
1195	8/14	0830 / 0840	ROY	9.5	5.57	1.04	6.26	5.6		.6	11	0	"
1196	8/21	1008 / 1028	"	14.0	9.51	0.68	6.57	6.5		.6	15	0	"
1197	8/28	0951 / 1005	WADDICOR	9.5	5.64	1.08	6.27	6.1		.5 .6	11	0	"
1198	9/4	1002 / 1017	"	9.6	5.57	1.04	6.27	5.8		.6	12	0	"
1199	9/11	1030 / 1042	"	9.2	4.28	1.31	6.27	5.6		.6	11	0	"
1200	9/18	0945 / 0946	"	9.8	5.62	0.92	6.25	5.2		.6	12	0	"
1201	9/25	1114 / 1124	"	10.0	5.79	1.04	6.28	6.0		.6	11	0	"

DISCHARGE MEASUREMENTS OF MISSION CREEK

AT NEAR San Gabriel Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 1959

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	S. INT. CHANGE TOTAL	METER NO.
1202	10/3	0951 / 1003	WADDICOR	9.2	5.22	1.00	6.28	5.2		.6	11	0	FC52
1203	10/9	0935 / 0945	ROY	10.0	5.60	0.96	6.26	5.4		.5 .6	13	0	"
1204	10/16	0932 / 0948	WADDICOR	10.0	5.73	0.96	6.26	5.5		.6	12	0	"
1205	10/20	1506 / 1518	"	9.3	4.22	1.23	6.24	5.2		.6	11	0	"
1206	10/23	0931 / 0941	"	9.5	4.16	1.22	6.24	5.1		.6	11	0	"
1207	10/30	0925 / 0940	WADDICOR-WALTER	12.0	6.97	0.89	6.38	6.3		.6	13	0	"
1208	11/6	0842 / 0859	WADDICOR	11.3	6.49	0.92	6.37	6.0		.6	14	0	"
1209	11/13	1010 / 1022	"	9.8	4.19	1.41	6.40	5.9		.6	10	0	"
1210	11/20	1155 / 1210	"	12.2	7.55	0.82	6.44	6.2		.6	13	0	"
1211	11/26	0956 / 1010	"	12.6	7.43	0.82	6.44	6.1		.6	14	0	"
1212	12/4	1047 / 1059	"	12.8	7.60	0.85	6.60	6.5		.5 .6	14	0	"
1213	12/11	0953 / 1010	"	14.3	9.57	0.80	6.59	7.7		.6	16	0	"
1214	12/18	1047 / 1105	"	12.9	7.75	0.94	6.45	7.3		.6	15	0	"
1215	12/26	1010 / 1020	"	12.3	5.15	1.24	6.45	6.4		.5 .6	13	0	"
1216	1/2	1332 / 1345	"	12.1	5.14	1.24	6.45	6.4		.6	13	0	"
1217	1/8	1325 / 1332	ROY	14.0	8.98	0.78	6.56	7.0		.5 .6	9	0	"
1218	1/15	0948 / 1002	"	14.0	8.87	0.82	6.56	7.3		.6 .5	15	0	"
1219	1/22	1005 / 1025	"	14.0	8.92	0.81	6.53	7.2		.6 .5	15	0	"
1220	1/29	0950 / 1005	"	14.0	8.82	0.80	6.52	7.1		.6	15	0	"
1221	2/5	1017 / 1039	WADDICOR	14.0	8.87	0.88	6.55	7.8		.6	16	0	"
1222	2/12	0820 / 0827	WADDICOR-FALCONE	14.4	9.52	0.91	6.61	8.7		.6 .5	12	0	"
1223	2/18	1242 / 1300	WADDICOR-GARCIA	14.2	9.28	0.92	6.59	8.5		.6	15	0	"
1224	2/26	1140 / 1158	WADDICOR	14.0	8.83	0.95	6.55	8.4		.6	15	0	"
1225	3/5	1039 / 1057	"	13.5	8.82	0.88	6.53	7.8		.6	15	0	"
1226	3/12	1022 / 1038	"	13.2	8.40	0.88	6.51	7.5		.6	15	0	"
1227	3/19	1032 / 1047	"	11.2	6.59	0.88	6.38	5.8		.6	13	0	"
1228	3/20	0800 / 0815	"	11.7	7.89	0.92	6.50	7.3		.6	14	0	"
1229	3/26	1028 / 1039	WADDICOR	12.6	6.36	1.13	6.48	7.2		.6	14	0	FC52
1230	4/2	0925 / 0935	"	11.8	6.04	1.23	6.48	7.4		.5 .6	13	0	"
1231	4/9	1037 / 1050	" —	11.5	7.09	0.94	6.44	6.7		.6	14	0	"
1232	4/23	1015 / 1031	"	11.4	6.20	0.92	6.36	5.7		.6	14	0	"
1233	5/1	0850 / 0902	"	11.6	6.12	0.98	6.36	6.0		.6	13	0	"
1234	5/7	1014 / 1027	"	11.1	6.08	0.87	6.36	5.3		.6	13	0	"
1235	5/14	0958 / 1010	"	10.3	5.84	0.92	6.31	5.4		.6	12	0	"
1236	5/21	1040 / 1050	"	9.9	5.38	1.02	6.20	5.5		.6	12	0	"
1237	5/28	1136 / 1157	WADDICOR-LINDSAY	10.0	5.02	1.06	6.18	5.3		.5 .6	12	0	"
1238	6/4	1025 / 1037	WADDICOR	9.8	4.57	1.01	6.14	4.6		.6	11	0	"
1239	6/18	0943 / 0955	"	10.0	5.47	0.93	6.21	5.1		.6	11	0	"
1240	6/23	0910 / 0925	"	9.7	4.75	0.86	6.12	4.1		.5 .6	11	0	"
1241	6/25	1024 / 1035	BROOK-WADDICOR	9.5	4.59	0.87	6.10	4.0		.6	13	0	"
1242	7/2	1049 / 1105	BROOK	10.0	6.57	0.76	6.31	5.0		.5 .6	13	0	"
1243	7/2	1504 / 1516	"	10.0	5.78	0.78	6.23	4.5		.5 .6	11	-.01	"
1244	7/3	0739 / 0755	"	9.2	4.35	0.80	6.08	3.5		.5 .6	12	0	"
1245	7/9	1041 / 1055	"	9.4	4.19	0.81	6.06	3.4		.5 .6	12	0	"
1246	7/16	1011 / 1025	"	8.8	3.75	0.80	6.01	3.0		.5 .6	11	0	"
1247	7/23	0946 / 1001	WADDICOR	8.6	3.44	0.79	5.98	2.7		.5 .6	11	0	"
1248	7/30	1008 / 1020	"	8.8	3.15	0.79	5.94	2.5		.5 .6	10	0	"
1249	8/6	0955 / 1009	"	8.7	3.15	0.79	5.94	2.5		.5 .6	10		"
1250	8/13	0852 / 1005	"	8.4	2.68	0.75	5.91	2.0		.5 .6	10	0	"
1251	8/25	0845 / 0905	ROY	8.0	2.11	0.62	5.80	1.3		.5 .6	9	0	FC50
1252	8/27	1011 / 1023	WADDICOR	8.2	2.59	0.81	5.88	2.1		.5 .6	9	0	FC52
1253	9/3	1030 / 1049	"	7.7	2.11	0.66	5.80	1.4		.5 .6	9	0	"
1254	9/10	0930 / 0944	"	8.1	2.75	0.80	5.89	2.2		.5	10	0	"
1255	9/17	1039 / 1052	"	8.0	2.54	0.67	5.87	1.7		.5 .6	10	0	"
1256	9/24	1035 / 1046	"	8.3	2.60	0.69	5.87	1.8		.5 .6	10	0	"

76DT4M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F83-R

Daily discharge, in second-feet of MISSION CREEK at San Gabriel Boulevard, for the year ending September 30, 19 58

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.1	0.4	0.3	1.2	2.1	3.6	5.4	4.9	5.2	5.2	4.8	5.6
2	0.3	0.5	0.3	1.1	2.0	3.7	5.6	5.3	5.4	5.5	4.9	5.7
3	0.2	0.6	0.3	1.0	2.5	3.6	6.0	5.2	5.7	5.5	4.9	5.5
4	0.1	0.7	0.3	1.2	4.9	3.6	4.3	5.2	5.9	5.5	4.8	5.6
5	0.2	0.7	0.6	1.7	2.8	3.7	4.2	5.2	6.0	5.6	4.8	5.6
6	0.2	0.7	0.6	1.8	2.5	3.8	6.0	5.2	5.9	5.8	5.3	5.5
7	0.2	0.7	0.6	1.8	2.7	3.4	8.0	5.2	5.6	5.7	6.1	5.5
8	0.1	0.7	0.6	1.6	2.7	3.7	7.8	5.2	5.4	5.6	6.1	5.5
9	0.1	0.7	0.6	1.9	2.7	3.8	6.9	5.2	5.4	5.5	6.0	5.4
10	0.1	0.7	0.5	1.3	2.8	3.8	6.5	5.3	5.3	5.6	5.9	5.5
11	0.2	0.8	0.5	1.2	2.8	3.8	5.9	5.3	5.3	5.6	5.8	5.6
12	0.3	0.8	0.6	1.2	2.9	3.9	5.6	5.4	5.3	5.6	5.7	5.6
13	0.3	0.8	0.8	1.2	3.0	3.9	5.4	5.5	5.8	5.6	5.6	5.4
14	0.4	0.8	0.9	1.4	3.0	3.9	5.2	5.5	6.2	5.7	5.6	5.4
15	0.4	0.8	1.3	1.8	3.0	4.2	5.1	5.5	6.5	5.7	5.7	5.3
16	0.4	0.8	0.8	2.0	3.0	6.8	5.2	5.5	6.7	5.4	5.9	5.2
17	0.4	0.8	0.8	1.8	2.9	4.5	5.2	5.4	7.4	5.2	5.9	5.2
18	0.4	0.8	1.0	1.7	2.9	4.3	5.1	5.3	7.4	5.1	6.0	5.2
19	0.4	0.6	1.1	1.6	7.8	4.2	5.2	5.2	7.4	5.1	6.0	5.2
20	0.4	0.5	1.0	1.6	4.2	4.5	5.2	5.2	7.4	5.1	6.4	5.6
21	0.4	0.6	1.0	1.6	3.5	4.8	5.4	5.1	7.4	5.1	6.5	5.6
22	0.4	0.6	1.0	1.7	3.5	5.2	5.5	5.0	7.4	5.3	6.3	5.4
23	0.4	0.5	1.0	1.8	3.6	4.8	5.4	4.9	7.2	5.3	6.3	5.7
24	0.4	0.4	1.0	2.0	3.7	4.8	5.3	4.8	5.8	5.3	6.4	5.8
25	0.4	0.4	1.0	1.9	4.3	4.8	4.1	4.7	5.7	5.3	6.4	6.0
26	0.4	0.4	1.0	2.3	3.6	4.7	4.2	4.5	5.7	5.2	5.8	5.9
27	0.4	0.4	1.0	2.1	3.6	4.9	4.3	4.5	5.7	5.2	6.1	5.8
28	0.4	0.4	1.1	2.2	3.6	4.6	4.3	4.4	5.6	5.2	6.0	5.5
29	0.4	0.4	1.1	2.2		4.4	4.4	4.4	5.6	5.1	5.9	5.5
30	0.4	0.4	1.1	2.3		4.4	4.5	4.6	5.5	5.0	5.9	5.4
31	0.4		1.1	2.2		4.6		4.9		4.9	5.7	
	9.6		24.9		92.6		161.2		182.8		179.5	
		18.4		52.4		132.7		157.5		166.5		165.7
MEAN	0.31	0.61	0.80	1.69	3.31	4.28	5.37	5.08	6.09	5.37	5.79	5.52
ACRE-FEET	19.	36.	49.	104.	184.	263.	320.	312.	363.	330.	356.	329.

Remarks:

YEAR OR PERIOD MEAN 3.67
ACRE-FEET 2660.

76DT4M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F83-R

Daily discharge, in second-feet of MISSION CREEK at San Gabriel Boulevard, for the year ending September 30, 19 59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5.2	6.2	6.5	6.4	7.3	8.3	7.4	6.1	4.9	5.3	2.4	1.5
2	5.2	6.1	6.5	6.4	7.5	8.2	7.4	5.9	4.7	4.7	2.2	1.5
3	5.2	6.1	6.5	d 6.6	7.5	8.0	7.1	5.8	4.5	3.5	2.3	1.6
4	5.2	6.1	a 6.6	6.8	7.7	7.8	6.9	5.7	4.8	3.5	2.3	2.2
5	5.2	6.0	6.7	7.0	7.8	7.8	6.8	5.5	5.7	3.4	2.2	2.1
6	5.2	6.0	6.9	12	7.8	7.8	6.7	5.4	5.6	3.4	2.4	2.1
7	5.2	6.0	7.0	d 8.0	7.8	7.7	6.7	5.3	5.6	a 3.4	2.8	2.1
8	5.3	5.9	7.1	7.0	7.8	7.7	6.7	5.3	5.5	a 3.3	2.6	2.2
9	5.4	5.8	7.3	7.1	7.8	7.6	6.7	5.2	5.3	a 3.2	2.5	2.2
10	5.4	5.8	7.4	7.1	7.8	7.6	6.4	5.2	5.3	3.1	2.4	2.1
11	5.4	5.8	a 7.5	7.2	9.1	7.5	6.5	5.2	5.3	3.1	2.3	1.8
12	5.4	5.9	7.7	7.2	8.7	7.5	6.5	5.2	5.3	a 3.1	2.1	1.7
13	5.4	5.9	7.6	7.3	8.7	7.5	6.5	5.3	5.3	3.0	2.0	1.8
14	5.5	5.9	7.1	7.3	8.7	7.5	6.4	5.4	4.9	2.9	1.9	1.7
15	5.5	5.9	7.1	7.3	8.6	7.4	6.6	5.4	4.8	a 2.8	1.8	1.7
16	5.5	a 5.9	7.3	7.3	11	7.3	6.6	5.1	4.8	2.7	1.6	1.6
17	5.4	5.9	7.3	7.3	8.9	6.6	6.6	4.8	5.1	2.7	1.8	1.7
18	5.3	6.0	7.3	7.3	8.6	5.8	6.5	5.0	5.1	2.8	1.8	1.7
19	5.2	6.0	7.3	7.3	8.7	6.5	6.3	5.2	5.0	2.9	1.8	1.6
20	5.2	a 6.1	7.1	7.3	8.7	7.3	6.1	5.3	4.9	2.7	1.8	1.6
21	5.2	6.1	7.0	7.2	8.6	7.2	5.9	5.5	4.6	2.7	1.5	1.8
22	5.1	5.6	6.8	7.2	8.6	7.2	5.7	5.5	4.7	2.8	1.5	1.7
23	5.1	6.1	6.7	a 7.2	8.4	7.1	5.8	5.5	4.2	2.7	1.5	1.8
24	5.1	6.2	6.6	7.2	8.4	7.2	5.4	5.5	4.0	2.6	1.5	1.8
25	5.3	6.1	6.5	7.2	8.4	7.2	5.5	5.5	4.0	2.6	1.5	1.8
26	5.6	6.1	6.4	7.1	8.4	7.2	6.2	5.4	5.6	2.5	1.9	1.8
27	5.8	6.1	6.4	7.1	8.4	7.2	6.1	5.3	5.9	a 2.5	2.0	1.9
28	6.0	6.5	6.4	a 7.1	8.4	7.2	6.1	5.3	6.0	2.6	1.8	2.4
29	6.2	6.5	6.4	7.1		7.3	6.2	5.2	5.6	2.6	1.9	2.6
30	6.3	6.5	6.4	7.1		7.3	6.2	5.1	5.2	a 2.6	1.8	2.6
31	6.3		6.4	7.3		7.4		5.0		2.5	1.7	
	168.3		213.8		234.1		192.5		152.2		61.6	
		181.1		226.0		228.9		166.1		94.2		56.7
MEAN	5.43	6.04	6.90	7.29	8.36	7.38	6.42	5.36	5.07	3.04	1.99	1.89
ACRE-FEET	334.	359.	424.	448.	464.	454.	382.	329.	302.	187.	122.	112.

Remarks:

YEAR OR PERIOD MEAN 5.41
ACRE-FEET 3920.

STATION E321-R
MISSION CREEK below Whittier Narrows Dam

LOCATION: WATER-STAGE RECORDER, LAT. 34°01'15", LONG. 118°04'15", ON LEFT (EAST) BANK ABOUT 500 FEET BELOW WHITTIER NARROWS DAM AND 1.4 MILES NORTH OF PICO. ELEVATION OF GAGE HEIGHT 187.1 FEET.

RECORDS AVAILABLE: DECEMBER 1955 TO SEPTEMBER 1959.

EXTREMES:
1957-58
MAXIMUM DAILY 13 SECOND-FEET APRIL 8.
MINIMUM NO FLOW AT VARIOUS TIMES.
1958-59
MAXIMUM DAILY 18 SECOND-FEET JANUARY 6.
MINIMUM 0.9 SECOND-FEET AUGUST 23, 24.
1956-59
MAXIMUM DAILY 18 SECOND-FEET JANUARY 6, 1959.
MINIMUM NO FLOW AT VARIOUS TIMES

REMARKS: RECORDS GOOD. FLOW IS ALMOST ENTIRELY FROM GROUND-WATER SEEPAGE.

COOPERATION: RECORDS FURNISHED BY THE UNITED STATES GEOLOGICAL SURVEY, WATER RESOURCES BRANCH. SEVENTY-FIVE STREAM FLOW MEASUREMENTS FURNISHED BY THE LOS ANGELES FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF MISSION CREEK

AT NEAR below Whittier Narrows Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 59

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	S. HT. CHANGE TOTAL	METER NO.
103	12/12	1520 / 1525	WADDICOR	1.5	0.16	0.75	0.05	0.1		.5	4	0	FC52
104	12/31		U.S.G.S.	5.1	0.61	0.82	0.12	0.5		.5	18	0	
105	1/2	1323 / 1330	ROY	5.2	0.78	0.88	0.15	0.7		.5	7	0	FC52
106	1/9	1540 / 1553	WADDICOR	4.5	0.68	1.15	0.17	0.8		.5	11	0	"
107	1/9	0900 / 0910	"	4.5	1.08	2.04	0.28	2.2		.5	11	0	"
108	1/10	1144 / 1155	"	4.5	0.67	1.09	0.17	0.7		.5	11	0	"
109	1/11	0813 / 0825	"	4.5	0.76	1.32	0.19	1.0		.5	11	0	"
110	1/11	1334 / 1346	"	4.5	1.17	2.14	0.29	2.5		.5	11	0	"
111	1/12	0814 / 0826	"	4.5	0.90	1.89	0.24	1.7		.5	11	0	"
112	1/13	0740 / 0752	"	4.5	0.99	2.02	0.27	2.0		.5	11	0	"
113	1/15		U.S.G.S.	5.1	0.60	0.83	0.11	0.5		.5	18	0	
114	1/16	1300 / 1308	WADDICOR	2.5	0.39	0.64	0.07	2.2		.5	6	0	FC52
115	1/23	1240 / 1250	"	2.7	0.60	1.55	0.15	0.9		.5	6	0	"
116	1/30	1257 / 1312	WADDICOR-GARCIA	4.5	0.72	1.35	0.19	1.0		.5	11	0	"
117	2/6	1329 / 1340	WADDICOR	4.5	0.99	1.82	0.25	1.8		.5	11	0	FC58
118	2/10		U.S.G.S.	5.1	1.51	1.66	0.28	2.5		.5	18	0	
119	2/13	1510 / 1525	WADDICOR	4.5	1.17	2.14	0.31	2.5		.5	11	0	FC52
120	2/21	0945 / 0954	WADDICOR-ROY	4.5	1.26	2.22	0.32	2.8		.5	11	0	"
121	2/24		U.S.G.S.	5.1	1.5	1.80	0.30	2.8		.5 .6	18	0	
122	2/27	1405 / 1418	WADDICOR	4.5	1.44	3.43	0.36	3.4		.5	11	0	FC52
123	3/7	1228 / 1241	WADDICOR-GARCIA	4.5	1.34	2.16	0.32	2.9		.5	11	0	"
124	3/13	1600 / 1610	WADDICOR	4.5	1.44	2.15	0.37	3.1		.5	11	0	"
125	3/20	1110 / 1124	"	4.5	1.58	2.60	0.41	4.1		.5	11	0	"
126	4/5		U.S.G.S.	5.1	2.65	2.14	0.49	5.6		.6	18	0	
127	4/10	0912 / 0925	WADDICOR	8.8	5.68	1.27	0.56	7.2		.6	10	0	FC26
128	4/17	0923 / 0930	ROY	5.2	2.91	1.99	0.49	5.8		.6	8	+.02	FC51
129	4/23	1320 / 1333	WADDICOR	8.0	4.73	1.01	0.50	4.8		.6	10	0	FC52
130	4/29		U.S.G.S.	5.0	2.50	1.97	0.50	4.9		.6	11	0	
131	5/1	1310 / 1314	WADDICOR	14.2	6.97	0.70	0.51	4.9		.6	15	0	FC52
132	5/5		U.S.G.S.	5.0	2.83	2.77	0.56	7.8		.6	18	0	
133	5/8	1000 / 1015	WADDICOR	15.8	10.4	0.65	0.63	6.8		.6	14	0	FC52
134	5/14		U.S.G.S.	5.0	3.17	2.64	0.64	8.4		.6	18	.01	
135	5/15	1016 / 1032	WADDICOR	15.0	10.8	0.68	0.63	7.3		.6	13	0	FC52
136	5/29		U.S.G.S.	5.0	3.29	2.68	0.65	8.8		.6	17	0	
137	5/29	1314 / 1328	BROOK-ROY	5.2	3.63	2.38	0.65	8.4		.6	12	0	FC51
138	6/5	1432 / 1442	WADDICOR	11.0	4.78	1.23	0.60	5.9		.6	12	0	FC52
139	6/12	1310 / 1322	"	12.0	12.4	0.44	0.59	5.5		.6	10	0	"
140	6/19	1337 / 1352	WADDICOR-BURKE	11.5	10.3	0.52	0.52	5.4		.6	13	0	"
141	6/20		U.S.G.S.	5.0	2.66	2.50	0.54	6.6		.6	18	0	
142	6/26	1740 / 1750	WADDICOR	10.0	5.60	0.89	0.52	5.0		.6	11	0	FC52
143	6/30		U.S.G.S.	5.0	2.83	2.38	0.56	6.7		.6	18	0	
144	7/10	1215 / 1247	WADDICOR	4.6	1.66	2.59	0.40	4.3		.6	11	0	FC52
145	7/17	1302 / 1305	"	4.7	1.70	2.64	0.34	4.5		.6	11	0	"
146	7/31	1055 / 1107	"	4.5	2.24	2.32	0.48	5.2		.6	11	0	"
147	7/31		U.S.G.S.	5.0	2.51	2.04	0.49	5.1		.6	17	0	
148	8/7	1221 / 1233	WADDICOR	4.5	2.70	2.11	0.61	5.7		.6	11	0	FC52
149	8/14	1100 / 1110	ROY	5.2	3.64	1.59	0.70	5.8		.6	8	0	"
150	8/21	1420 / 1430	"	5.2	3.79	1.37	0.72	5.2		.6	8	0	"
151	8/28	1120 / 1130	WADDICOR	5.5	4.84		0.88	7.5		.6	7	0	"
152	9/4		U.S.G.S.	5.1	4.59	1.22	0.88	5.6		.2 .8	18	0	
153	9/16		"	5.1	3.40	1.53	0.66	5.2		.2 .8	18	-.01	
154	9/18	1203 / 1215	WADDICOR	4.6	3.14	1.69	0.68	5.3		.6	11	0	FC52
155	9/25	1327 / 1340	"	4.6	3.28	1.75	0.72	5.8		.6	11	0	"

DISCHARGE MEASUREMENTS OF MISSION CREEK

AT NEAR below Whittier Narrows Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 59

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	S. HT. CHANGE TOTAL	METER NO.
156	10/1		U.S.G.S.	5.1	3.22	1.53	0.62	4.92		.2 .8	18	0	
157	10/9	1055 / 1105	ROY	5.2	3.44	1.60	0.63	5.52		.6	8	0	FC52
158	10/16		U.S.G.S.	5.0	2.78	1.74	0.58	4.84		.6	19	0	
159	10/16	1233 / 1247	WADDICOR	4.6	2.67	1.98	0.58	5.32		.6	11	0	FC52
159a	10/23	1035 / 1048	"	4.7	2.73	1.76	0.53	4.84		.6	11	0	"
160	10/30		U.S.G.S.	5.1	2.72	1.95	0.56	5.31		.6	18	0	
161	10/30	1128 / 1138	WADDICOR-WALTER	5.1	2.87	1.84	0.56	5.26		.6	13	0	FC52
162	11/6	1240 / 1254	WADDICOR	4.6	2.48	2.41	0.54	5.98		.6	11	0	"
163	11/18		U.S.G.S.	5.1	2.50	2.09	0.52	5.22		.6	18	0	
164	11/20	1415 / 1427	WADDICOR	4.6	2.38	2.36	0.51	5.61		.6	11	0	FC52
165	11/24		U.S.G.S.	5.1	2.40	2.14	0.50	5.15		.6	18	0	
166	11/26	1237 / 1248	WADDICOR	4.6	2.30	2.48	0.51	5.70		.6	11	0	FC52
167	12/10		U.S.G.S.	5.1	2.56	2.13	0.50	5.45		.6	18	0	
168	12/11	1155 / 1207	WADDICOR	4.6	2.30	2.50	0.50	5.76		.6	11	0	FC52
169	12/18	1255 / 1310	"	4.6	2.76	2.42	0.61	6.68		.6	11	0	"
169a	12/26	1620 / 1628	"	4.6	2.57	2.24	0.58	5.96		.6	11	0	"
169b	1/2	1530 / 1539	"	4.6	2.67	2.20	0.58	5.87		.6	11	0	"
170	1/7		U.S.G.S.	5.1	2.88	2.23	0.55	6.42		.6	18	0	
171	1/8	1436 / 1442	ROY	5.2	2.60	2.01	0.52	5.25		.6	7	0	FC52
172	1/15	1110 / 1120	"	5.2	2.60	2.06	0.46	5.36		.6	7	0	"
173	1/22	1210 / 1222	"	5.2	2.50	2.04	0.47	5.14		.6	7	0	"
174	1/29	1100 / 1110	"	5.2	2.60	2.06	0.49	5.37		.6	7	0	"
175	2/5	1305 / 1318	WADDICOR	4.6	2.22	2.66	0.49	5.93		.6	11	0	"
176	2/5		U.S.G.S.	5.0	2.16	2.30	0.49	4.96		.6	11	0	
177	2/18	1448 / 1504	WADDICOR-GARCIA	4.6	2.12	2.31	0.47	4.89		.6	11	0	FC52
178	2/26	1350 / 1405	WADDICOR	4.6	2.12	2.45	0.48	5.23		.6	11	0	"
179	3/2		U.S.G.S.	5.0	2.45	2.02	0.50	4.96		.6	14	0	
180	3/5	1318 / 1330	WADDICOR	4.6	2.30	2.44	0.50	5.61		.6	11	0	FC52
181	3/11		U.S.G.S.	5.0	2.50	2.17	0.49	5.43		.6	16	0	
182	3/12	1227 / 1240	WADDICOR	4.6	2.12	2.60	0.48	5.48		.6	11	0	FC52
183	3/19	1318 / 1332	WADDICOR	4.6	1.93	2.72	0.47	5.26		.6	11	0	FC52
184	3/26	1328 / 1338	"	4.6	2.22	2.66	0.47	5.90		.6	11	0	"
185	3/31		U.S.G.S.	5.0	2.32	2.27	0.47	5.28		.6	15	0	
186	4/9	1307 / 1320	WADDICOR	4.6	1.84	2.56	0.43	4.69		.6	11	0	FC52
187	4/21		U.S.G.S.	5.2	2.21	2.01	0.42	4.45		.5	17	0	
188	4/23	1312 / 1328	WADDICOR	4.6	1.84	2.53	0.42	4.65		.6	11	0	FC52
189	5/7		U.S.G.S.	12.0	5.13	0.86	0.43	4.42		.5 .6	25	0	
190	5/14	1245 / 1258	WADDICOR	4.6	1.93	2.48	0.43	4.78		.6	11	0	FC52
191	5/21	1459 / 1509	"	4.6	1.84	2.77	0.41	5.07		.5	11	0	"
192	5/28	1352 / 1406	WADDICOR-LINDSAY	10.5	4.26	1.01	0.41	4.34		.5	13	0	"
193	6/4		U.S.G.S.	5.0	2.00	1.94	0.41	3.89		.6	16	0	
194	6/18	1252 / 1305	WADDICOR	10.6	4.35	0.91	0.40	3.97		.5	12	0	FC52
195	6/25	1252 / 1305	BROOK-WADDICOR	10.4	3.63	0.91	0.37	3.31		.5 .6	12	0	"
196	7/3		U.S.G.S.	5.0	2.15	1.93	0.42	4.16		.6	20	0	
197	7/2	1333 / 1347	BROOK	10.6	4.15	0.94	0.40	3.90		.5 .6	12	0	FC52
198	7/9	1303 / 1316	"	8.5	2.84	0.99	0.33	2.81		.5 .6	11	0	"
199	7/16	1153 / 1206	"	8.0	2.54	1.00	0.30	2.54		.5 .6	10	0	"
200	7/23	1414 / 1426	WADDICOR	8.1	2.16	0.93	0.25	2.01		.5 .6	10	0	"
201	7/30	1256 / 1307	"	8.7	2.26	0.86	0.25	1.95		.5	10	0	"
202	7/31		U.S.G.S.	8.4	2.38	0.90	0.25	2.14		.5	18	0	
203	8/6	1300 / 1312	WADDICOR	8.9	1.96	0.95	0.24	1.86		.5 .6	10	0	FC52
204	8/12		U.S.G.S.	5.0	1.16	1.39	0.22	1.61		.5	20	0	
205	8/13	1302 / 1313	WADDICOR	8.0	1.77	0.93	0.22	1.65		.5 .6	9	0	FC52
206	8/27	1255 / 1307	"	8.0	1.61	0.93	0.21	1.51		.5	11	0	"
207	9/3	1307 / 1317	"	6.0	1.01	0.86	0.15	0.87		.5	8	0	"
208	9/4		U.S.G.S.	7.0	1.60	0.99	0.21	1.58		.5	14	0	
209	9/10	1335 / 1346	WADDICOR	8.0	1.75	0.82	0.21	1.43		.5	9	0	FC52
210	9/15		U.S.G.S.	7.0	1.38	0.86	0.18	1.18		.5	15	0	
211	9/17	1318 / 1330	WADDICOR	6.7	1.72	0.81	0.20	1.40		.5	9	0	FC52
212	9/24	1440 / 1448	"	7.0	1.48	0.82	0.19	1.22		.5	8	0	"

TEDTEM C&S 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. E321-R

Daily discharge, in second-feet of MISSION CREEK below Whittier Narrows Dam for the year ending September 30, 1958

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0.7	1.2	3.6	5.3	5.4	5.8	6.7	5.3	6.7
2	0	0	0	0.7	1.1	3.3	5.1	6.0	5.8	5.6	5.5	6.5
3	0	0	0	0.8	1.4	3.2	6.2	6.0	5.8	4.9	5.5	6.2
4	0	0	0	0.8	3.0	3.2	5.8	6.0	5.8	4.6	5.3	5.8
5	0	0	0	0.8	1.8	3.2	5.6	5.8	6.0	4.2	4.9	5.8
6	0	0	0	0.8	1.8	3.3	5.6	6.2	6.2	4.4	5.6	5.8
7	0	0	0	0.7	2.2	3.2	11	6.9	6.2	4.9	6.0	5.8
8	0	0	0	0.7	2.2	3.4	13	7.0	6.0	4.6	6.3	5.8
9	0	0	0	1.1	2.4	3.3	9.7	7.0	6.0	4.4	6.3	5.8
10	0	0	0	0.6	2.4	3.2	7.2	7.2	6.0	4.4	6.0	5.8
11	0	0	0.2	1.5	2.4	3.2	6.9	7.4	6.2	4.2	6.2	5.8
12	0	0	0.1	1.6	2.6	3.2	6.5	7.4	5.6	3.7	6.0	5.6
13	0	0	0.1	1.8	2.4	3.2	6.5	7.4	5.8	3.5	5.8	5.8
14	0	0	0.1	2.5	2.4	3.2	6.2	7.4	5.6	3.5	5.6	5.8
15	0	0	0.1	2.0	2.4	3.2	6.0	7.4	5.5	3.3	6.2	5.9
16	0	0	0.2	0.3	2.4	5.8	5.8	7.4	5.5	3.2	6.2	5.3
17	0	0	0.1	0.4	2.4	3.7	5.8	7.6	5.5	4.8	6.2	5.3
18	0	0	0	0.5	2.4	3.7	5.1	7.4	5.6	5.5	6.2	5.1
19	0	0	0	0.4	6.4	3.9	5.1	7.4	5.6	5.1	5.6	5.1
20	0	0	0	0.4	3.7	4.2	5.1	7.4	5.5	4.9	4.9	5.5
21	0	0	0	0.5	2.8	4.4	4.9	7.6	5.3	5.3	5.5	5.3
22	0	0	0	0.6	2.6	5.1	4.8	7.7	5.3	5.1	5.8	4.9
23	0	0	0	1.0	2.6	4.6	4.6	7.7	5.1	5.3	5.8	5.5
24	0	0	0	1.0	2.7	4.6	4.9	7.7	4.9	5.3	5.6	5.6
25	0	0	0	0.9	3.7	4.6	3.9	7.7	6.0	5.3	6.7	5.8
26	0	0	0	1.2	2.9	4.4	4.4	7.9	5.8	4.9	7.6	5.6
27	0	0	0	0.9	3.3	4.9	4.8	7.9	6.0	5.1	7.6	5.6
28	0	0	0	0.9	3.3	4.4	4.8	7.9	6.2	5.3	7.6	5.1
29	0	0	0	0.9		4.5	4.9	7.7	6.5	5.3	7.4	4.8
30	0	0	0.2	0.9		4.6	4.9	6.3	7.0	6.5	7.2	4.9
31	0		0.8	1.2		4.6		6.3		5.5	7.0	
	0		1.9		72.9		180.4		174.1		189.4	
		0		29.1		121.0		220.1		149.3		168.3
MEAN	0	0	0.06	0.94	2.60	3.90	6.01	7.10	5.80	4.82	6.11	5.61
ACRE-FEET	0	0	3.8	58.	145.	240.	358.	437.	345.	296.	376.	334.

Remarks:

YEAR OR PERIOD MEAN 3.58
ACRE-FEET 2590.

FDDTGM Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. E321-R

Daily discharge, in second-feet of MISSION CREEK below Whittier Narrows Dam, for the year ending September 30, 1959

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4.8	5.3	5.5	7.0	5.5	5.1	4.9	4.4	3.9	4.2	1.8	1.0
2	4.8	5.3	5.5	7.0	5.3	5.1	4.8	4.4	3.9	3.9	1.7	1.0
3	4.6	5.3	5.6	7.0	5.3	5.1	4.8	4.4	3.9	3.2	1.7	1.2
4	4.6	5.3	5.6	7.0	5.3	5.1	4.9	4.4	3.9	2.8	1.7	1.6
5	4.9	5.3	5.6	7.2	5.3	5.1	4.9	4.4	4.6	2.9	1.7	1.5
6	5.5	5.3	5.6	18	5.5	5.3	4.9	4.4	4.6	2.9	1.7	1.5
7	5.5	5.3	5.6	8.6	5.5	5.3	4.8	4.9	4.4	2.8	1.7	1.5
8	5.6	5.1	5.6	6.0	5.5	5.3	4.8	6.0	4.1	2.8	1.6	1.5
9	5.6	5.1	5.8	5.6	5.3	5.5	4.6	6.2	4.1	2.8	1.6	1.5
10	5.3	5.1	5.6	5.6	5.3	5.5	4.6	5.7	4.1	2.7	1.5	1.4
11	5.1	5.1	5.6	5.6	5.3	5.5	4.6	4.8	4.1	2.7	1.5	1.2
12	5.3	5.1	5.6	5.5	5.1	5.3	4.6	4.8	4.1	2.6	1.6	1.1
13	5.6	5.1	5.6	5.5	5.1	5.3	4.4	4.8	4.1	2.6	1.6	1.2
14	5.5	5.1	5.6	5.5	4.8	5.3	4.4	4.8	4.1	2.6	1.5	1.3
15	5.1	5.1	5.8	5.5	4.6	5.3	4.4	4.8	4.1	2.4	1.5	1.2
16	5.1	5.1	6.9	5.5	4.9	5.3	4.4	4.8	3.9	2.4	1.2	1.2
17	4.9	4.8	6.9	5.5	5.1	5.3	4.4	4.6	3.9	2.4	1.4	1.3
18	4.6	5.3	6.9	5.3	4.9	5.3	4.6	4.2	3.9	2.3	1.4	1.3
19	4.4	5.3	7.0	5.3	4.9	5.3	4.6	4.2	3.7	2.3	1.4	1.2
20	4.2	5.3	7.0	5.5	5.1	5.3	4.4	4.2	3.9	2.5	1.4	1.2
21	4.2	5.3	7.0	5.3	5.3	5.5	4.4	4.2	3.7	2.6	1.1	1.2
22	4.2	5.3	7.0	5.3	5.1	8.6	4.4	4.2	3.6	2.4	1.0	1.2
23	4.6	5.3	7.2	5.3	5.1	5.5	4.4	4.2	3.5	2.2	0.9	1.3
24	4.9	5.3	7.2	5.5	5.1	5.5	4.4	4.2	3.5	2.6	0.9	1.4
25	5.5	5.5	7.2	5.5	5.1	5.3	4.4	4.2	3.5	2.4	1.1	1.5
26	5.5	5.5	7.4	5.5	5.1	5.3	4.6	4.2	3.6	2.4	1.4	1.6
27	5.5	5.5	7.4	5.5	5.1	5.3	4.6	4.2	4.4	2.4	1.5	1.7
28	5.5	5.3	7.4	5.5	5.1	5.3	4.4	4.1	4.4	2.3	1.4	1.8
29	5.5	5.3	7.4	5.5		5.3	4.4	4.1	4.4	2.5	1.3	1.9
30	5.5	5.3	7.2	5.5		5.3	4.4	4.1	4.4	2.0	1.2	1.9
31	5.3		7.2	5.5		5.3		3.9		2.0	1.1	
	157.2	157.3	198.5	193.4	144.6	167.8	137.2	140.8	120.3	81.4	44.1	41.4
MEAN	5.07	5.24	6.40	6.24	5.16	5.41	4.57	4.54	4.01	2.63	1.42	1.38
ACRE-FEET	312.	312.	394.	384.	287.	333.	272.	279.	239.	161.	87.	82.

Remarks:

YEAR OR PERIOD MEAN 4.34
ACRE-FEET 3140.

STATION F22-R
MONROVIA CREEK above Sawpit Creek

LOCATION: WATER-STAGE RECORDER, LAT. 34°10'28", LONG. 117°59'22", ON THE RIGHT (WEST) BANK OF MONROVIA CREEK 200 FEET UPSTREAM FROM SAWPIT CREEK AND ABOUT 2.5 MILES NORTH OF MONROVIA. ELEVATION OF ZERO GAGE HEIGHT 1152.66 FEET.

DRAINAGE AREA: 1.9 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - ROCK AND GRAVEL.
CONTROL - NATURAL CHANNEL FORMS CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING; HIGH FLOWS MEASURED FROM HIGHWAY BRIDGE BELOW STATION.

RECORDER: AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1957 TO SEPTEMBER 30, 1959.

REGULATION: NONE

DIVERSIONS: MONROVIA PIPE LINE DIVERTS WATER ABOVE GAGE.

RECORDS AVAILABLE: NOVEMBER 10, 1927 TO JANUARY 21, 1954, AND FROM MARCH 22, 1955 TO SEPTEMBER 30, 1959. WADING MEASUREMENTS ONLY DURING PERIOD OF NO RECORDER RECORD.

EXTREMES OF DISCHARGE:
1957-58
MAXIMUM 38 SECOND-FEET APRIL 1.
MINIMUM PLUS FLOW PART OF OCTOBER.
1958-59
MAXIMUM 23 SECOND-FEET FEBRUARY 16.
MINIMUM PLUS FLOW PART OF YEAR.
1927-59
MAXIMUM DISCHARGE NOT DETERMINED MARCH 2, 1938.
MAXIMUM 486 SECOND-FEET JANUARY 25, 1954 ESTIMATED AT FALLS (MUD FLOW).
MINIMUM NO FLOW AT TIMES.

ACCURACY: POOR.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF MONROVIA CREEK

above Sawpit Creek DURING THE YEAR ENDING SEPTEMBER 30, 1958

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
958	10/17	1250 / 1256	HOLLERON-SARASUA	0.3	0.04	0.50	4.02	0.02		.5	4	0	FC48
959	10/24	1252 / 1258	HOLLERON	0.3	0.04	0.50	4.03	0.02		.5	4	0	"
960	10/31	1314 / 1316	"	0.3	0.05	0.60	4.06	0.03		.5	4	0	"
961	11/7	1136 / 1140	"	0.3	0.06	0.67	4.08	0.04		.5	5	0	"
962	11/14	1322 / 1324	"	0.3	0.05	0.80	4.11	0.04		.5	4	0	"
963	11/27	1315 / 1321	"	0.4	0.06	0.83	4.11	0.05		.5	5	0	"
964	12/5	0530 / 0535	HOLLERON-FLYNN	2.3	0.36	0.56	4.18	0.20		.5	6	0	"
965	12/5	1238 / 1242	" "	0.8	0.21	0.43	4.11	0.09		.5	5	0	"
966	12/10	1254 / 1258	HOLLERON	0.8	0.14	0.57	4.10	0.08		.5	5	0	"
967	12/15	1133 / 1137	"	0.8	0.27	1.19	4.20	0.32		.5	5	0	"
968	12/16	0925 / 0935	"	3.2	1.09	1.01	4.31	1.1		.5	9	0	"
969	12/17	0313 / 0325	"	5.7	3.33	2.31	4.39	7.7		.5 / .6	8	−.05	FC54
970	12/18	0955 / 1007	"	2.4	0.59	1.09	4.08	0.74		.5	9	0	FC48
971	12/26	1407 / 1411	"	0.9	0.11	0.82	3.95	0.09		.5	5	0	"
972	1/2	1312 / 1318	"	0.9	0.11	0.82	3.93	0.09		.5	6	0	"
973	1/9	1118 / 1122	"	0.7	0.08	0.88	3.94	0.07		.5	5	0	"
974	1/16	1232 / 1236	"	0.6	0.09	0.89	3.93	0.08		.5	5	0	"
975	1/22	1538 / 1542	"	0.6	0.08	0.50	3.92	0.04		.5	3	0	"
976	1/26	0044 / 0053	HOLLERON-FLYNN	5.0	2.03	1.97	4.27	4.0		.5 / .6	9	+.04	FC56
977	1/26	0202 / 0213	HOLLERON	7.3	4.84	2.75	4.46	13.3		.6	9	−.01	"
978	1/27	1552 / 1600	"	1.8	0.42	1.62	4.03	0.68		.5	7	0	FC48
979	1/30	1250 / 1258	"	1.8	0.27	0.81	3.95	0.22		.5	6	0	"
980	2/3	0756 / 0806	"	6.0	2.88	2.26	4.30	6.5		.6	8	+.01	FC56
981	2/4	1108 / 1118	HOLLERON-WALTON	7.3	3.67	2.86	4.27	10.40		.0	10	−.01	"
982	2/6	1030 / 1044	HOLLERON	5.6	1.22	1.80	3.85	2.2		.5	12	0	FC48
983	2/13	1528 / 1536	"	2.2	0.22	1.27	3.65	0.28		.5	6	0	"
984	2/19	0934 / 0942	HOLLERON-WALTON	3.5	0.83	2.29	3.85	1.9		.5	8	+.01	"
985	2/19	1552 / 1600	" "	5.2	1.61	2.30	3.90	3.7		.5	10	0	FC56
986	2/25	0832 / 0842	" "	CHANNELS			3.76	3.3		.6	13	0	FC48
987	2/27	1134 / 1140	HOLLERON	1.8	0.20	1.20	3.49	0.24		.5	6	0	"
988	3/6	1230 / 1236	"	3.0	0.64	1.88	3.63	1.2		.5	6	0	"
989	3/7	1107 / 1113	"	3.0	0.35	1.00	3.51	0.35		.5	7	0	"
990	3/13	1122 / 1128	"	1.1	0.16	1.25	3.48	0.20		.5	5	0	"
991	3/15	2206 / 2216	HOLLERON-WALTON	3.5	1.70	2.04	3.82	3.4		.6	8	0	FC56
992	3/16	0527 / 0537	" "	11.0	4.37	3.05	4.03	13.3		.6	12	−.02	"
993	3/20	1204 / 1210	HOLLERON	3.0	0.69	1.00	3.44	0.69		.5	7	0	FC48
994	3/21	0910 / 0920	"	4.4	1.13	1.50	3.58	1.7		.5	11	−.02	"
995	3/27	1219 / 1229	HOLLERON-WALTON	6.9	2.08	2.30	3.79	4.8		.6	11	−.02	FC56
996	3/28	0828 / 0838	HOLLERON	6.0	1.4	1.50	3.68	2.1		.5	11	0	FC48
997	4/1	0905 / 0920	"	11.0	4.38	2.14	3.92	9.4		.6	15	0	FC56
998	4/1	1248 / 1302	HOLLERON-VRADENBURG	9.3	5.57	6.29	4.40	35.0		.6	11	+.03	"
999	4/3	0510 / 0526	HOLLERON-WALTON	9.0	4.62	4.42	3.98	20.4		.6	11	+.11	"
1000	4/6	1228 / 1235	HOLLERON-ROY	8.0	3.31	2.05	3.39	6.8		.5 / .6	10	−.02	"
1001	4/7	1551 / 1600	" "	5.9	3.08	2.21	3.36	6.8		.6	13	0	"
1002	4/15	1026 / 1034	HOLLERON	5.0	1.78	1.24	3.21	2.2		.6	9	0	FC48
1003	4/25	1508 / 1512	"	1.6	0.37	1.11	3.00	0.41		.5	5	0	"
1004	5/1	1428 / 1434	"	1.4	0.33	0.91	2.97	0.30		.5	8	0	"
1005	5/8	1320 / 1326	"	1.4	0.27	0.78	2.94	0.21		.5	6	0	FC48
1006	5/15	1306 / 1314	MC BRIDE-HOLLERON	1.4	0.26	1.19	2.94	0.31		.5	8	0	"
1007	5/22	1124 / 1128	HOLLERON	1.4	0.24	0.63	2.94	0.15		.5	6	0	"
1008	5/28	1630 / 1634	"	1.3	0.21	0.76	2.92	0.16		.5	6	0	"
1009	6/5	1423 / 1434	"	1.1	0.26	0.73	2.92	0.19		.5	7	0	"
1010	6/12	0857 / 0902	"	1.1	0.25	0.56	2.93	0.14		.5	5	0	"
1011	6/19	1242 / 1248	"	1.0	0.25	0.52	2.92	0.13		.5	5	0	"
1012	7/2	1052 / 1057	"	0.8	0.12	0.75	2.98	0.09		.5	5	0	"
1013	7/17	1442 / 1448	"	1.2	0.20	0.60	2.99	0.12		.5	5	0	"
1014	7/23	1300 / 1305	"	1.2	0.21	0.90	3.03	0.19		.5	5	0	"
1015	7/30	1307 / 1313	"	0.8	0.16	0.62	3.06	0.10		.5	5	0	"
1016	8/6	0800 / 0804	"	0.8	0.16	0.62	3.04	0.10		.5	5	0	"
1017	8/13	1145 / 1149	"	0.8	0.12	0.58	2.97	0.07		.6	5	0	"
1018	8/21	1354 / 1400	"	0.8	0.08	0.50	2.94	0.04		.5	5	0	"
1019	8/27	1140 / 1148	ROY	0.8	0.08	0.50	2.94	0.04		.5	5	0	"
1020	9/3	1350 / 1355	"	0.8	0.05	0.60	2.87	0.03		.5	5	0	"
1021	9/10	1504 / 1507	HOLLERON	0.6	0.07	0.43	2.86	0.03		.5	5	0	"
1022	9/17	1318 / 1321	"	0.6	0.06	0.83	2.87	0.05		.5	4	0	"
1023	9/25	1320 / 1325	ROY	1.5	0.16	0.25	2.88	0.04		.5	4	0	"

DISCHARGE MEASUREMENTS OF MONROVIA CREEK

above Sawpit Creek DURING THE YEAR ENDING SEPTEMBER 30, 1959

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1024	10/2	1056 / 1100	HOLLERON-NARDI	0.70	0.11	0.36	2.88	0.04		.5	5	0	FC48
1025	10/16	0958 / 1002	HOLLERON	1.0	0.18	0.67	2.91	0.12		.5	5	0	"
1026	10/23	1333 / 1337	"	1.0	0.14	0.50	2.90	0.07		.5	5	0	"
1027	10/27	1002 / 1006	"	1.2	0.39	0.95	2.99	0.37		.5	5	0	"
1028	11/6	1316 / 1320	"	1.0	0.16	0.50	2.98	0.08		.6	5	0	"
1029	11/13	1030 / 1034	"	1.0	0.17	0.35	2.97	0.06		.5	5	0	"
1030	11/19	1246 / 1250	"	1.0	0.17	0.41	2.98	0.07		.5	5	0	"
1031	11/26	1133 / 1137	"	1.0	0.20	0.40	3.00	0.08		.5	5	0	"
1032	12/3	1154 / 1158	"	0.70	0.11	0.64	2.99	0.07		.5	5	0	"
1033	12/11	1150 / 1154	"	0.80	0.12	0.58	2.99	0.07		.5	5	0	"
1034	12/17	1304 / 1308	"	0.80	0.11	0.45	2.99	0.05		.5	5	0	"
1035	12/26	1146 / 1150	"	0.80	0.11	0.45	2.98	0.05		.5	5	0	"
1036	1/2	1044 / 1048	"	0.70	0.07	0.57	2.98	0.04		.5	4	0	"
1037	1/6	0326 / 0329	HOLLERON-WALTON	4.0	2.05	1.66	3.44	3.4		.6	7	+.07	FC56
1038	1/6	1006 / 1010	HOLLERON	2.1	0.81	1.85	2.71	1.5		.5	5	0	"
1039	1/8	1528 / 1534	HOLLERON-WALTON	1.5	0.33	2.33	2.64	0.77		.5	6	0	FC48
1040	1/15	1028 / 1032	HOLLERON	1.1	0.25	0.88	2.62	0.22		.5	5	0	"
1041	1/22	1214 / 1218	"	0.80	0.14	0.86	2.55	0.12		.5	5	0	"
1042	1/29	1357 / 1405	BOWMAN	0.60	0.06	0.67	2.55	0.04		.5	4	0	"
1043	2/5	1148 / 1152	HOLLERON	0.70	0.13	0.54	2.56	0.07		.5	5	0	"
1044	2/8	1215 / 1225	HOLLERON-WALTON	3.7	0.68	2.79	2.84	1.9		.5	9	+.02	"
1045	2/11	0908 / 0920	HOLLERON-JOHNSON	5.5	0.77	2.34	2.94	1.8		SURF .9	11	−.01	FC56
1046	2/13	0848 / 0854	HOLLERON	2.3	0.32	2.50	2.63	0.80		.5	7	0	FC48
1047	2/16	1305 / 1308	RDY-PETERSEN	8.0	4.90	3.75	3.29	18.4		.5 / .6	5	−.04	FC51
1048	2/16	1648 / 1650	" "	9.0	3.10	4.42	3.43	13.7		.6	6	0	"
1049	2/19	1540 / 1548	HOLLERON	2.9	0.45	2.44	2.85	1.1		.5	8	0	FC48
1050	2/21	1528 / 1534	HOLLERON-WALTON	3.3	0.50	2.40	2.85	1.2		.5	8	0	"
1051	2/26	1516 / 1520	HOLLERON	1.0	0.20	1.00	2.77	0.20		.5	5	0	"
1052	3/5	1510 / 1514	"	1.0	0.14	0.71	2.75	0.10		.5	5	0	"
1053	3/12	1058 / 1102	HOLLERON	0.80	0.13	0.56	2.74	0.07		.5	5	0	FC48
1054	3/19	1236 / 1240	"	0.80	0.11	0.45	2.74	0.05		.5	5	0	"
1055	3/25	0908 / 0911	"	0.60	0.09	0.56	2.74	0.05		.5	5	0	"
1056	4/2	1303 / 1307	"	0.50	0.07	0.57	2.73	0.04		.5	4	0	"
1057	4/9	1050 / 1053	"	0.60	0.08	0.62	2.73	0.05		.5	4	0	"
1058	4/16	1445 / 1449	"	0.50	0.07	0.57	2.73	0.04		.5	5	0	"
1059	4/23	1123 / 1127	"	0.60	0.09	0.56	2.73	0.05		.5	5	0	"
1060	4/30	1316 / 1320	"	1.0	0.14	0.71	2.73	0.10		.5	5	0	"
1061	5/7	1118 / 1122	"	0.60	0.07	0.86	2.72	0.06		.5	5	0	"
1062	5/14	1236 / 1240	"	0.60	0.08	0.75	2.72	0.06		.5	5	0	"
1063	5/20	1516 / 1520	"	0.60	0.08	0.75	2.72	0.06		.5	5	0	"
1064	5/28	0816 / 0820	"	0.60	0.08	0.62	2.72	0.05		.5	5	0	"
1065	6/4	0933 / 0937	"	0.60	0.10	0.50	2.72	0.05		.5	5	0	"
1066	6/18	1303 / 1306	HOLLERON-BLAKELY	0.60	0.09	0.56	2.73	0.05		.5	3	0	"
1067	6/25	1347 / 1350	HOLLERON	0.60	0.08	0.62	2.76	0.05		.5	3	0	"
1068	7/2	1333 / 1336	"	0.60	0.08	0.50	2.75	0.04		.5	4	0	"
1069	7/9	0938 / 0942	"	0.50	0.06	0.50	2.73	0.03		.5	5	0	"
1070	7/16	1215 / 1220	BOWMAN	0.50	0.05	0.40		0.02		.5	5	0	"
1071	7/23	1424 / 1428	HOLLERON	0.50	0.06	0.50		0.03		.5	5	0	"
1072	7/30	1404 / 1408	"	0.50	0.06	0.50		0.03		.5	5	0	"
1073	8/6	1400 / 1404	"	0.50	0.06	0.50	2.72	0.03		.5	5	0	"
1074	8/13	1412 / 1416	"	0.50	0.06	0.33	2.72	0.02		.5	5	0	"
1075	8/20	1150 / 1155	"	0.50	0.06	0.50	2.72	0.03		.5	5	0	"
1076	8/27	1514 / 1518	"	0.50	0.06	0.50		0.03		.5	5	0	"
1077	9/3	1318 / 1322	"	0.50	0.06	0.33		0.02		.5	5	0	"
1078	9/10	1340 / 1344	"	0.50	0.06	0.50		0.03		.5	5	0	"
1079	9/17	1204 / 1208	"	0.50	0.06	0.33		0.02		.5	5	0	"
1080	9/24	1408 / 1412	"	0.50	0.06	0.50		0.03		.5	5	0	"

76D74M Gab 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F22-R

Daily discharge, in second-feet of MONROVIA CREEK above Sawpit Creek, for the year ending September 30, 1958

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	0.02	0.03	0.2	0.2	0.3	16	0.3	0.2	0.07	0.2	0.03
2	|	0.04	0.03	0.1	0.3	0.3	14	0.3	0.2	0.2	0.2	0.03
3	|	0.05	0.03	0.1	2.9	0.3	14	0.3	0.2	0.2	0.7	0.03
4	|	0.04	0.04	0.2	9.3	0.2	7.0	0.2	0.2	0.3	0.2	0.03
5	|	0.04	0.3	0.1	6.4	0.1	6.6	0.3	0.2	0.2	0.1	0.03
6	|	0.04	0.1	0.1	2.5	0.6	6.4	0.2	0.2	a 0.2	0.1	0.03
7	|	0.04	0.09	0.07	1.5	0.5	7.0	0.2	0.2	0.2	0.07	0.03
8	|	0.04	0.09	0.07	1.2	0.2	6.0	0.2	0.2	0.2	0.07	0.03
9	|	0.04	0.07	0.07	1.0	0.2	5.0	0.2	0.2	0.2	0.07	0.03
10	+	0.04	0.07	0.07	0.7	0.2	4.4	0.2	0.1	0.2	0.07	0.03
11	0.03	0.04	0.07	0.07	0.5	0.2	3.6	0.4	0.1	0.2	0.07	0.03
12	0.03	0.04	0.07	0.07	0.4	0.2	3.0	0.5	0.1	0.1	0.07	0.03
13	0.03	0.04	0.07	0.07	0.3	0.2	2.8	0.6	0.1	0.1	0.07	0.03
14	0.04	0.04	0.07	0.07	0.4	0.4	2.5	0.3	0.1	0.1	0.07	0.04
15	0.03	0.04	0.7	0.07	0.4	1.4	1.8	0.3	0.1	0.1	0.06	0.04
16	0.02	0.04	1.3	0.07	0.3	8.9	1.5	0.3	0.2	a 0.1	0.06	0.05
17	0.02 c	0.04	3.8	0.07	0.3	5.1	1.7	0.3	0.2	0.1	0.05	0.05
18	0.02	0.04	0.8	0.07	0.4	3.0	1.7	0.3	0.1	0.2	0.05	0.05
19	0.02	0.04	0.4	0.07	3.6	1.8	1.7	0.2	0.1	0.1	0.04	0.05
20	0.04	0.04	0.3	0.04	1.7	0.9	1.7	0.2	0.2	0.07	0.04	0.05
21	0.04	0.05	0.3	0.04	1.1	1.5	1.4	0.2	0.2	0.1	0.04	0.05
22	0.03	0.05	0.2	0.04	0.7	3.4	1.5	0.2	0.2	0.1	0.04	0.04
23	0.02	0.05	0.2	0.04	0.2	2.0	1.4	0.2	0.2	0.2	0.04	0.04
24	0.02	0.05	0.2	0.04	0.08	1.0	1.1	0.2	0.1	0.2	0.04	0.04
25	0.02	0.05	0.2	0.09	2.2	1.0	0.4	0.2	0.2	0.2	0.04	0.04
26	0.02 c	0.05	0.1	4.9	1.7	0.5	0.4	0.2	0.1	0.2	0.04	0.04
27	0.03	0.05	0.2	0.8	0.4	2.3	0.5	0.2	0.1	0.2	0.04	0.04
28	0.03	0.05	0.2	0.7	0.4	2.1	0.4	0.2	0.1	0.1	0.04	0.04
29	0.03	0.04	0.2	0.2		2.1	0.4	0.2	0.1	0.07	0.04	0.04
30	0.04	0.04	0.2	0.2		2.1	0.3	0.2	0.1	0.1	0.04	0.04
31	0.04		0.2	0.2		2.1		0.2		0.1	0.03	
		1.27		9.00		45.1		8.0		5.21		1.13
	0.60		10.63		41.08		116.2		4.6		2.29	
MEAN	0.02	0.04	0.34	0.29	1.47	1.45	3.87	0.26	0.15	0.17	0.07	0.04
ACRE-FEET	1.2	2.5	21.	18.	82.	90.	230.	16.	9.1	10.	4.5	2.2

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.67
ACRE-FEET 487.

76D74M Gab 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

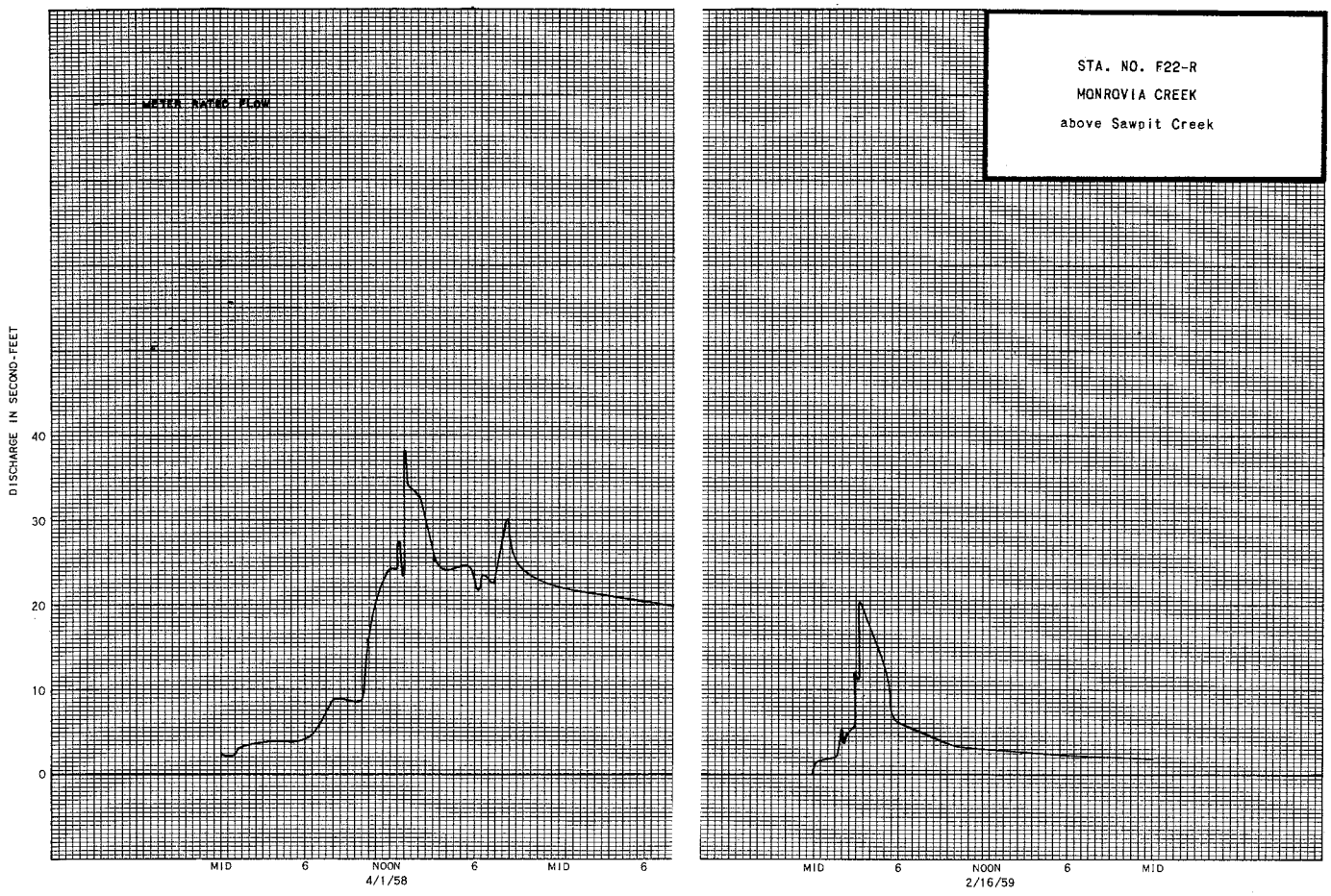
Sta. No. F22-R

Daily discharge, in second-feet of Monrovia Creek above Sawpit Creek, for the year ending September 30, 1959

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.04	0.2	0.07	0.04	0.05	0.2	0.04	0.1	0.05	0.04	0.03	0.02
2	0.04	0.1	0.07	0.04	0.06	0.1	0.04	0.09	0.05	0.04	0.03	0.02
3	0.04	0.09	0.07	0.03	0.06	0.1	0.04	0.08	0.05	0.04	0.03	0.02
4	0.04	0.09	0.07	0.03	0.07	0.1	0.04	0.08	0.05	0.04	0.03	0.02
5	0.04	0.08	0.07	0.07	0.07	0.1	0.04	0.07	0.05	0.04	0.03	0.02
6	0.04	0.08	0.07	3.4	0.07	0.1	0.05	0.06	0.05	0.03	0.03	0.02
7	0.04	0.08	0.07	1.5	0.07	0.09	0.05	0.06	0.05	0.03	0.03	0.03
8	0.04	0.08	0.07	1.0	1.3	0.09	0.05	0.06	0.05	0.03	0.03	0.03
9	0.04	0.07	0.07	0.7	0.8	0.08	0.05	0.06	0.05	0.03	0.03	0.03
10	0.04	0.07	0.07	0.6	0.4	0.08	0.05	0.06	0.05	0.03	0.02	0.03
11	0.08	0.06	0.07	0.5	3.3	0.07	0.05	0.06	0.05	0.03	0.02	0.03
12	0.1	0.06	0.07	0.4	b 1.2	0.07	0.05	0.06	0.05	0.03	0.02	0.03
13	0.1	0.06	0.06	0.3	0.9	0.07	0.04	0.06	0.05	0.02	0.02	0.03
14	0.1	0.06	0.06	0.1	1.1	0.07	0.04	0.06	0.05	0.02	0.02	0.02
15	0.1	0.06	0.06	0.2	1.1	0.06	0.04	0.06	0.05	0.02	0.02	0.02
16	0.1	0.07	0.05	0.2	7.5	0.06	0.04	0.06	0.05	0.02	0.02	0.02
17	0.1	0.07	0.05	0.2	4.7	0.05	0.04	0.06	0.05	0.02	0.03	0.02
18	0.1	0.07	0.05	0.2	2.2	0.05	0.04	0.06	0.05	0.02	0.03	0.02
19	0.1	0.07	0.05	0.2	1.4	0.05	0.04	0.06	0.05	0.02	0.03	0.02
20	0.09	0.07	0.05	0.1	1.4	0.05	0.05	0.06	0.05	0.03	0.03	0.02
21	0.08	0.07	0.05	0.1	1.6	0.05	0.05	0.06	0.05	0.03	0.03	0.03
22	0.07	0.07	0.05	0.1	1.3	0.05	0.05	0.06	0.05	0.03	0.03	0.03
23	0.07	0.08	0.05	0.1	1.0	0.05	0.05	0.06	0.05	0.03	0.03	0.03
24	0.7	0.08	0.05	0.09	0.5	0.05	0.05	0.06	0.05	0.03	0.03	0.03
25	0.4	0.08	0.05	0.08	0.3	0.05	0.3	0.05	0.05	0.03	0.03	0.03
26	0.4	0.08	0.05	0.07	0.2	0.05	0.3	0.05	0.05	0.03	0.03	0.03
27	0.3	0.08	0.05	0.06	0.2	0.05	0.1	0.05	0.05	0.03	0.03	0.03
28	0.3	0.08	0.05	0.05	0.2	0.05	0.1	0.05	0.05	0.03	0.03	0.03
29	0.3	0.08	0.05	0.04		0.05	0.1	0.05	0.04	0.03	0.03	0.03
30	0.2	0.07	0.04	0.04		0.04	0.1	0.05	0.04	0.03	0.03	0.03
31	0.2		0.04	0.05		0.04		0.05		0.03	0.02	
	4.39	2.36	1.80	10.59	33.05	2.17	2.08	1.91	1.48	0.91	0.85	0.77
MEAN	0.14	0.08	0.06	0.34	1.18	0.07	0.07	.06	.05	0.03	0.03	0.03
ACRE-FEET	8.7	4.7	3.6	21.	66.	4.3	4.1	3.8	2.9	1.8	1.7	1.5

Remarks:

YEAR OR PERIOD MEAN 0.17
ACRE-FEET 124.



STATION F195B-R
MONROVIA STORM DRAIN above Peck Road

LOCATION: WATER-STAGE RECORDERS, LAT. 34°07'40", LONG. 118°00'13", ON THE LEFT (EAST) SIDE OF CONCRETE CHANNEL 600 FEET ABOVE PECK ROAD AND ABOUT ONE MILE SOUTH OF MONROVIA. ELEVATION OF GAGE 381.55 FEET. PREVIOUS STATION F195-R WAS ABOUT 550 FEET DOWNSTREAM FROM PRESENT LOCATION.

DRAINAGE AREA: 4.7 SQUARE MILES. (PREVIOUS TO OCTOBER 1955 DRAINAGE AREA WAS 4.5 SQUARE MILES.)

CHANNEL AND CONTROL: RECTANGULAR CONCRETE CHANNEL 17 FEET WIDE, 8 FEET DEEP. CHANNEL FORMS CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM FOOTBRIDGE AT STATION.

RECORDER: AN H.C.F. RECORDER WAS IN SERVICE FROM OCTOBER 1, 1957 TO SEPTEMBER 30, 1959.

REGULATION: PARTIALLY CONTROLLED BY ONE DEBRIS BASIN.

DIVERSIONS: NONE.

RECORDS AVAILABLE: APRIL 25, 1932 TO DECEMBER 29, 1954 AT STATION F195-R. DECEMBER 15, 1955 TO SEPTEMBER 30, 1959 AT PRESENT LOCATION.

EXTREMES OF DISCHARGE:
1957-58
MAXIMUM 473 SECOND-FEET FEBRUARY 19.
MINIMUM PLUS FLOW AT VARIOUS TIMES.
1958-59
MAXIMUM 670 SECOND-FEET JANUARY 6.
MINIMUM PLUS FLOW MOST OF YEAR.
1932-59
MAXIMUM 1200 SECOND-FEET ESTIMATED MARCH 2, 1938.
MAXIMUM NO FLOW MOST OF EACH YEAR.

ACCURACY: FAIR.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

76D74M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F195B-R

Daily discharge, in second-feet of MONROVIA STORM DRAIN above Peck Road for the year ending September 30, 1958

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	+	+	+	+	0.2	a 4.1	0.1	0.2			+
2		11.0	+		3.3	0.2	a 1.9	0.1	0.1			
3		+	+		2.8	0.2	2.9	0.1	0.1			
4		0.1	7.4		4.8	0.1	10.9	0.1	+			
5		0.1	21		0.4	+	9.0	0.1				
6		+	+		0.2	16.5	19.4	0.1				
7					0.2	+	2.4	0.1				
8					0.2	0.1	1.3	0.1				
9					0.1	0.1	0.9	0.1				
10	+				+	2.3	0.6	0.1				
11	15.9				+	16.8	0.4	0.4				
12	+			+	1.4	3.9	0.4	0.2				
13	3.7			0.1	+	0.8	0.2	0.2				
14	4.0	+	+	+		0.6	0.1	0.1				+
15	0.6	0.3	31		28		0.1	0.1			a 5.9	0.1
16	1.1	0.1	12.0			28	0.1	0.2			+	+
17	2.4	+	13.1			4.5	0.2	0.1				+
18	1.9	+	+		+	0.2	0.2	0.1				+
19	1.3	+	+		a 7.4	0.1	0.1	0.1				0.1
20	3.7	0.1	0.2		0.1	13.0	0.1	0.2				0.1
21	2.0	+	+		0.1	10.3	0.4	0.1				0.1
22	2.7		+		0.2	7.6	0.2	+				+
23	0.7		+	+	0.1	1.3	0.2					2.1
24	0.5	0.1		0.5	0.1	0.9	0.2					0.6
25	+		+	2.2	15.2	0.9	0.2					0.2
26		+	+	2.2	0.1	0.9	0.1					+
27		0.1	+	+	0.1	19.8	0.1					0.1
28		0.1	0.1	+	0.1	0.6	0.1					+
29	+	0.1	0.2	+		0.2	0.1					0.1
30	0.6	+	0.4	0.6		2.3	0.1	+				0.1
31	7.3		+	+		5.1		0.1			+	
		12.0		45.2		165.5		2.9	+			3.6
	48.4		85.5		171.9		141.6		0.4		5.9	
MEAN	1.56	0.40	2.76	1.46	6.14	5.34	4.72	0.09	+	+	0.19	0.12
ACRE-FEET	96.	24.	170.	90.	341.	328.	281.	5.8	0.8	+	12.	7.2

RECORDER STOPPED FOR SUMMER

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 1.87
ACRE-FEET 1360.

76D74M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F195B-R

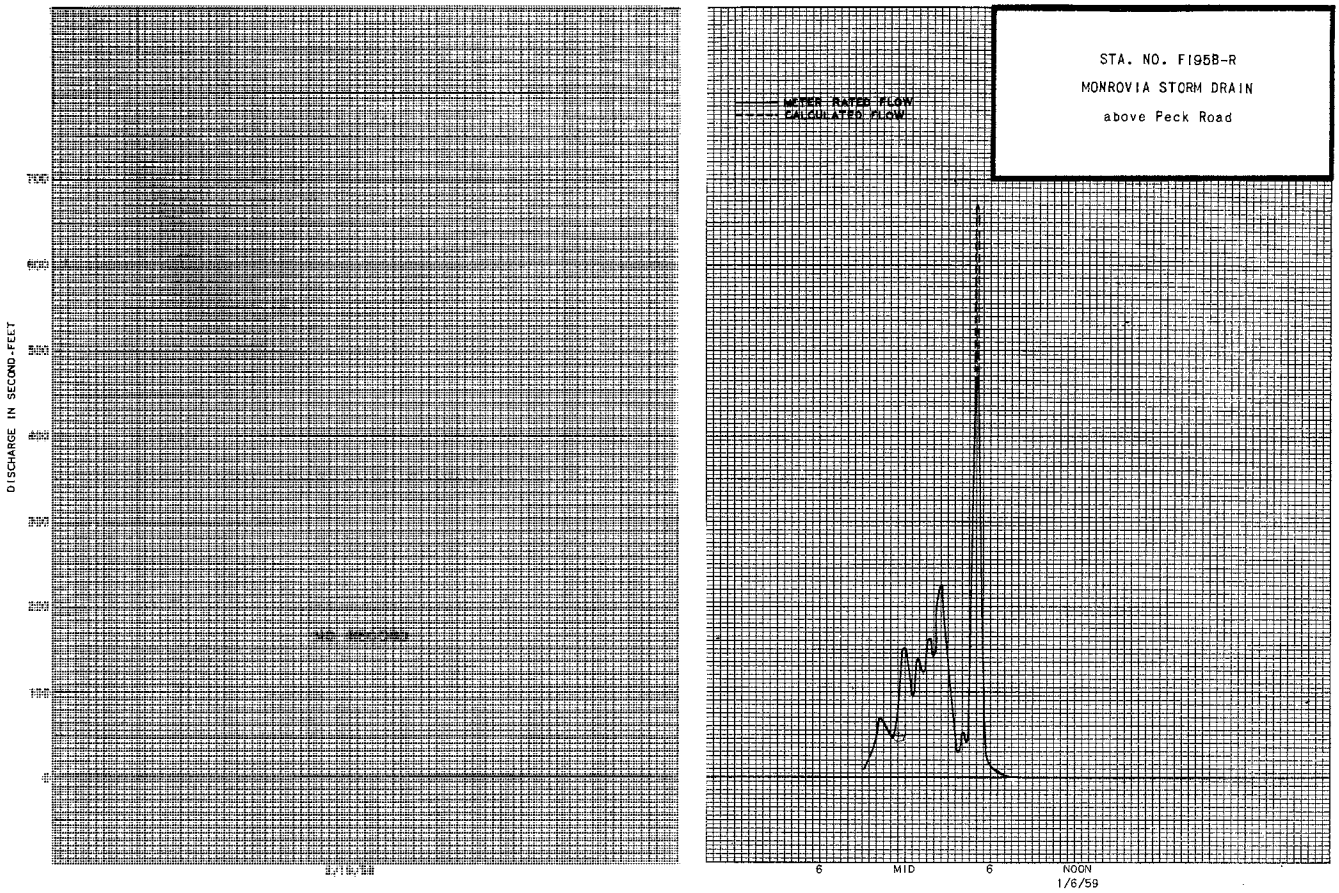
Daily discharge, in second-feet of MONROVIA STORM DRAIN above Peck Road for the year ending September 30, 1959

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.1	+	+	+	+	+	+	+				
2	0.1	0.1			+							
3	0.1	+										
4	0.2	+		+								
5	0.6	+		8.1								
6	0.9	0.1		4.0	+			+				
7	0.6	+		+	0.4							
8	0.9	+			10.6							
9	0.6	+			+		+					
10	0.6	0.1			1.5		0.1					
11	0.6	0.7			3.1	+	0.1					
12	0.4	+			1.1	0.1	+					
13	0.2	+			+	+						
14	0.2	0.1			+							
15	0.1	+			1.7							
16	0.1	0.1			3.6							
17	0.1	+	+		+							+
18	0.2	0.2	0.2		+							
19	0.9	0.1	0.1		0.1							
20	0.6	+	0.1		0.1							
21	0.4		+		7.1							
22	0.4		+		0.1							
23	0.4	+	0.1		+							
24	7.2	0.1	0.1				+					
25	15.1	+	0.1				1.6					
26	+		0.1				1.9					
27			0.1				+					
28			0.1		+							
29			0.1									
30		+	+				+					+
31	+		+	+		+						
	31.6		1.1		109.7		18.1		+		+	
		1.6		48.1		0.1		+		+		+
MEAN	1.02	0.05	0.04	1.55	3.92	+	0.60	+	+	+	+	+
ACRE-FEET	63.	3.2	2.2	95.	218	0.2	36.	+	+	+	+	+

STOPPED FOR SUMMER

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.58
ACRE-FEET 417.



STATION F181-R
MONTEBELLO STORM DRAIN above Rio Hondo

LOCATION: WATER-STAGE RECORDER, LAT. 33°59'59", LONG. 118°06'17", ON THE RIGHT (SOUTH) WALL OF THE STORM DRAIN, 150 FEET EAST OF THE EAST END OF MINES AVENUE, ELEVATION OF ZERO GAGE HEIGHT ABOUT 162.22 FEET.

DRAINAGE AREA: 9.6 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - A 14 FT. X 10 FT. CONCRETE-COVERED DRAIN. THE STAGE-DISCHARGE RELATION MAY BE AFFECTED BY BACKWATER FROM THE RIO HONDO DURING FLOOD FLOWS.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING AT OUTLET; HIGH FLOWS MEASURED FROM OPENINGS IN TOP OF CHANNEL.

RECORDER: A STEVENS TYPE A-35B CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1957 TO SEPTEMBER 30, 1959.

REGULATION: NONE.

DIVERSIONS: NONE.

RECORDS AVAILABLE: JANUARY 12, 1932 TO AUGUST 5, 1954, DECEMBER 9, 1954 TO SEPTEMBER 30, 1959.

EXTREMES OF DISCHARGE:
1957-58
MAXIMUM 865 SECOND-FEET FEBRUARY 19.
MINIMUM PLUS FLOW AT VARIOUS TIMES.
1958-59
MAXIMUM 869 SECOND-FEET JANUARY 6.
MINIMUM 0.1 SECOND-FOOT AT VARIOUS TIMES.
1931-59
MAXIMUM 1400 SECOND-FEET, ESTIMATED MARCH 2, 1938.
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: GOOD.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF MONTEBELLO STORM DRAIN

AT above Rio Hondo DURING THE YEAR ENDING SEPTEMBER 30, 1958

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATINGS	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
176	10/13	2230 / 2238	WOOD-GARCIA	14.0	21.5	5.07	1.60	109.		.6	7	-.16	FC57
177	12/5	0219 / 0228	ROY-ROBINSON	14.0	19.5	5.79	1.62	113.		.6	5	-.09	FC51
178	2/3	2235 / 2239	BROOK-FEIKER	14.0	37.4	9.97	2.83	373.		.6	5	-.06	FC35
179	3/20	1845 / 1858	ROY-FEIKER	14.0	40.3	13.5	3.07	546.		.6	6	0	FC51

DISCHARGE MEASUREMENTS OF MONTEBELLO STORM DRAIN

AT above Rio Hondo DURING THE YEAR ENDING SEPTEMBER 30, 1959

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATINGS	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
180	2/21	1040 / 1050	ROY-PETERSEN	14.0	9.52	10.4	1.57	99.2		.6	4	0	FC51

76D74M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F181-R

Daily discharge, in second-feet of MONTEBELLO STORM DRAIN above RIO HONDO, for the year ending September 30, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.5	+	+	+	+	+	9.8	0.1	0.3	0.3	0.5	0.4
2	0.5	2.4	+		8.1		1.5	0.3	0.4	0.3	0.5	0.3
3	0.3	3.0	+		8.9		7.0	0.3	0.4	0.5	0.4	0.4
4	0.3	2.2	3.3		12.8		12.0	0.2	0.4	0.4	0.4	0.3
5	0.1	11.3	5.0		2.5	+	0.5	0.3	0.4	0.3	0.5	0.4
6	0.2	1.0	0.1		0.3	3.2	3.0	0.3	0.4	0.3	0.5	0.3
7	0.2	0.2	+		+	0.2	7.4	0.1	0.3	0.3	0.4	0.4
8	0.1	+	+		3.0	+	1.1	0.2	0.3	0.4	0.6	0.5
9	0.2		0.3	+	0.2	+	0.5	0.3	0.3	0.4	0.4	0.4
10	0.4		+	1.0	+	1.4	0.3	0.1	0.4	0.5	0.3	0.3
11	2.2			+	+	3.6	0.2	0.2	0.4	0.5	0.5	0.4
12	0.1				2.2	+	0.1	0.3	0.4	0.5	0.5	0.4
13	11.4				0.2	4.6	0.1	0.3	0.5	0.3	0.6	0.4
14	17.8	+	+	+	+	0.5	0.1	0.3	0.5	0.4	0.6	0.3
15	+	0.6	3.9	0.1	+	6.8	0.1	0.3	0.5	0.4	2.1	0.4
16	+	+	6.2	+	+	9.4	0.1	0.4	0.5	0.4	0.3	0.6
17	0.1		4.1	+	0.1	3.0	0.1	0.3	0.5	0.5	0.3	0.6
18	+		+	0.1	0.2	0.2	0.1	0.2	0.5	0.4	0.5	0.5
19	+		0.3	+	1.9.9	+	0.2	0.4	0.4	0.3	0.6	0.6
20	14.8		+	0.2	1.4	4.8	0.1	0.5	0.4	0.3	0.8	0.6
21	0.5			+	0.6	12.4	0.2	0.6	0.5	0.3	0.8	0.5
22	+	+		1.3	0.2	4.0	0.3	0.6	0.3	0.5	0.6	0.5
23		0.1		1.2	0.1	0.2	+	0.6	0.5	0.4	0.4	0.6
24		+		3.9	0.4	+	0.2	0.6	0.4	0.4	0.4	1.2
25				4.9	8.4	+	0.3	0.5	0.5	0.5	0.5	0.6
26				4.9	0.2	+	0.2	0.5	0.3	0.5	0.8	0.6
27				0.2	+	5.2	0.2	0.6	0.3	0.4	0.6	0.6
28				1.8	+	0.3	0.2	0.4	0.3	0.4	0.5	0.6
29				+		0.1	0.1	0.3	0.3	0.5	0.6	0.8
30	+	+		3.2		8.0	0.2	0.4	0.3	0.6	0.5	0.8
31	9.3		+	0.1		1.9		0.4		0.4	0.3	
		42.4		111.1		370.4		10.9		12.6		15.3
	78.8		140.2		519.7		291.0		11.9		36.2	
MEAN	2.54	1.41	4.52	3.58	18.6	11.9	9.70	0.35	0.40	0.41	1.17	0.51
ACRE-FEET	156.	84.	278.	220.	1030.	735.	577.	22.	24.	25.0	72.	30.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 4.49
ACRE-FEET 3250.

76D74M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

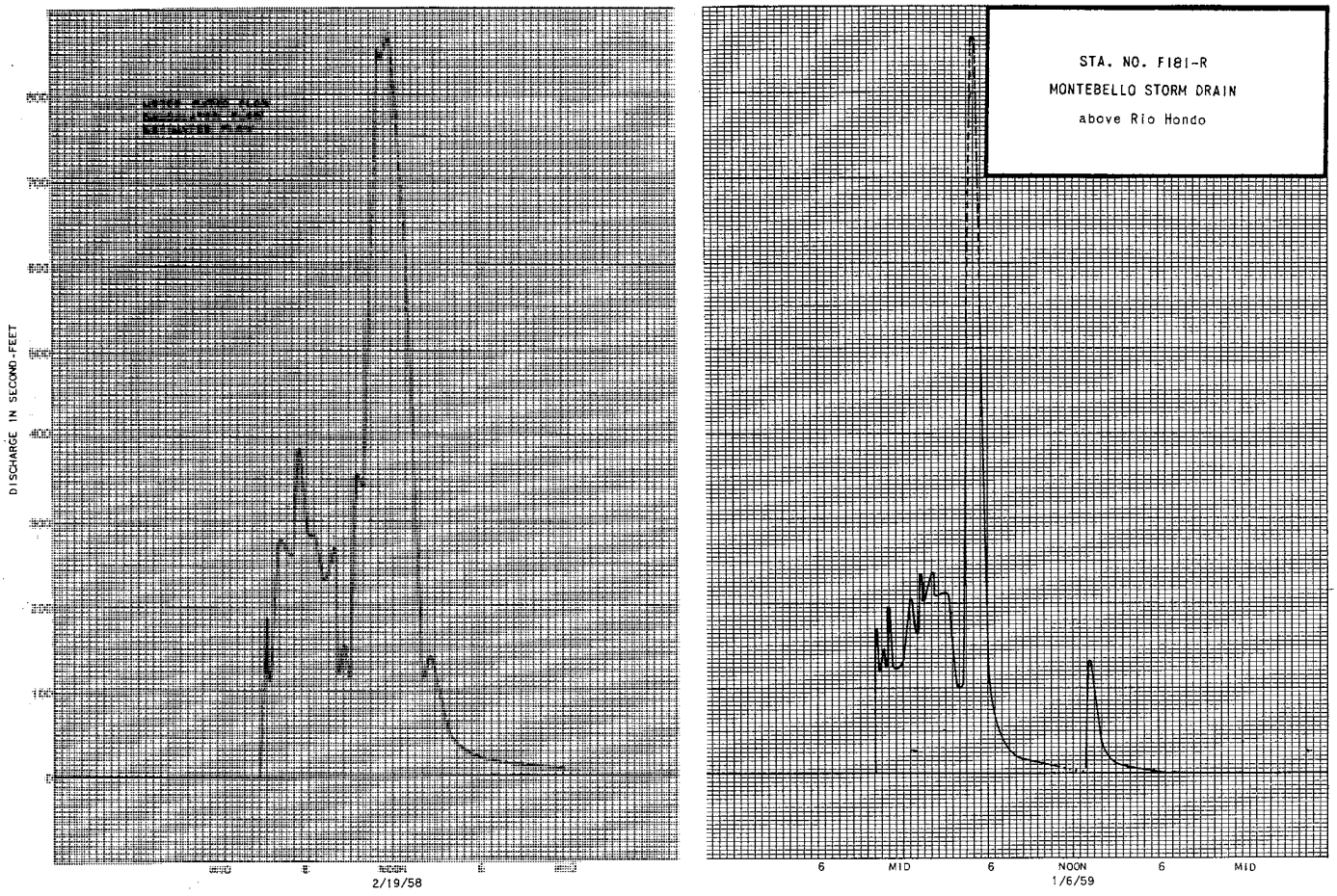
Sta. No. F181-R

Daily discharge, in second-feet of MONTEBELLO STORM DRAIN above Rio Hondo, for the year ending September 30, 1959

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	b 0.5	b 0.3	b 0.3	b 0.3	0.3	0.2	0.3	0.3	0.6	b 0.5	1.6	1.4
2	0.5	0.3	0.3	0.3	1.0	0.2	0.3	0.3	0.6	0.5	1.2	1.4
3	0.5	0.3	0.3	0.3	0.6	0.3	0.2	0.5	0.5	0.5	1.1	1.4
4	0.5	0.3	0.3	b 0.3	0.3	0.1	0.3	0.3	0.5	0.5	1.0	1.4
5	0.5	0.3	0.3	1.1	0.3	0.3	0.3	0.2	0.6	0.5	1.1	1.4
6	0.5	0.3	0.3	d 7	0.4	0.3	0.3	0.3	0.5	0.5	1.0	1.2
7	0.5	0.3	0.3	b 0.5	5.2	0.3	0.3	0.5	0.4	b 0.5	1.1	1.4
8	0.5	0.3	0.3	b 0.3	4.8	0.3	0.3	0.6	0.5	0.5	1.0	1.2
9	b 0.5	0.3	0.3	0.2	1.2	0.3	b 0.3	0.6	0.5	0.5	1.0	1.2
10	0.5	0.3	0.3	0.1	2.4	0.3	0.3	0.3	0.5	0.5	1.0	1.1
11	0.6	0.3	0.3	0.1	6.9	0.3	0.3	0.4	0.5	0.6	1.0	1.1
12	0.5	0.3	0.3	0.2	1.5	0.3	0.3	0.3	0.6	0.6	1.0	1.1
13	0.5	0.3	0.3	0.6	0.6	0.3	0.4	0.3	0.5	0.6	1.2	2.0
14	0.4	0.3	0.3	0.2	0.3	0.3	0.4	0.5	0.4	0.8	1.4	1.0
15	0.5	0.3	0.3	0.5	5.4	0.3	0.4	0.6	0.4	0.8	1.6	0.8
16	0.4	0.3	0.3	0.8	1.0.9	0.3	0.4	0.5	0.5	1.0	1.6	1.0
17	0.6	0.3	0.3	0.3	0.6	0.3	0.4	0.5	0.2	1.0	1.4	0.8
18	0.4	0.3	0.3	0.3	2.6	0.3	0.4	0.6	0.4	1.0	1.7	1.0
19	0.4	0.3	0.3	0.3	0.4	0.3	0.5	0.8	0.5	1.0	1.7	0.6
20	0.5	0.3	0.3	0.3	0.3	0.4	0.5	0.8	0.3	1.0	1.7	1.0
21	0.5	0.3	0.3	0.3	2.4	0.4	0.5	0.6	b 0.3	1.0	1.7	1.0
22	1.0	0.3	0.3	0.4	0.4	0.3	b 0.5	1.0	0.3	0.8	1.4	1.0
23	2.5	0.3	0.3	0.4	0.3	0.3	0.6	0.6	0.3	0.8	1.4	1.0
24	0.3	0.3	0.3	0.3	0.3	0.3	0.6	0.6	0.3	1.2	1.2	1.0
25	1.4	0.3	0.3	0.3	0.3	0.4	3.5	0.6	0.3	1.0	1.2	1.0
26	0.2	0.3	0.3	0.3	0.2	0.4	9.5	0.6	0.4	1.0	1.4	0.8
27	0.2	0.3	0.3	0.2	0.2	0.4	0.2	0.6	0.4	1.0	1.1	1.1
28	0.2	0.3	0.3	0.2	0.2	0.3	0.2	0.6	0.4	1.0	1.2	1.0
29	0.2	0.3	0.3	0.3		0.3	0.2	1.0	0.4	0.8	1.1	1.0
30	0.2	b 0.3	0.3	0.3		0.4	0.2	0.8	b 0.4	1.7	1.4	1.0
31	0.2		b 0.3	0.3		0.3		0.5		1.0	1.1	
	16.7		9.3		288.7		54.5		12.8		39.6	
		9.0		107.2		9.5		16.4		24.7		33.6
MEAN	0.54	0.30	0.30	3.46	10.3	0.32	1.82	0.53	0.43	0.80	1.28	1.12
ACRE-FEET	33.	18.	18.	213.	573.	19.	108.	33.	25.	49.	79.	67.

Remarks:

YEAR OR PERIOD MEAN 1.70
ACRE-FEET 1230.



STATION F118B-R
PACOIMA CREEK FLUME below Pacoima Dam

LOCATION: WATER-STAGE RECORDER, LAT. 34°20'07", LONG. 118°23'50", FOUR MILES MILES NORTHEAST OF SAN FERNANDO, AND ABOUT 500 FEET DOWNSTREAM FROM PACOIMA DAM. FORMER STATION F118-R WAS APPROXIMATELY 450 FEET DOWNSTREAM. FORMER STATION U13-R WAS APPROXIMATELY 0.5 MILE DOWNSTREAM. ELEVATION OF GAGE ABOUT 1650 FEET.

DRAINAGE AREA: 28.2 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - GRAVEL AND BOULDERS ABOVE AND BELOW FLUME. CONTROL - A 10-FOOT SAN DIMAS TYPE RUBBLE AND CONCRETE FLUME. A 90° V-NOTCH WEIR CAN BE DROPPED IN PLACE TO MEASURE LOW FLOWS.

DISCHARGE MEASUREMENTS: FROM FOOTBRIDGE OVER FLUME.

RECORDER: AN AU CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1957 TO SEPTEMBER 30, 1959.

REGULATION: REGULATED BY PACOIMA DAM. STATIONS F118-R AND F118B-R DO NOT INCLUDE SPILLWAY DISCHARGES. STATION U13-R WAS SO LOCATED THAT IT WOULD HAVE INCLUDED SPILLWAY DISCHARGE.

DIVERSIONS: WATER PASSING OVER PACOIMA DAM SPILLWAY ENTERS PACOIMA CREEK BELOW STATION F118B-R.

RECORDS AVAILABLE: AT STATION U13-R, PACOIMA CREEK NEAR SAN FERNANDO, CALIFORNIA, AT OFFICE OF U.S. GEOLOGICAL SURVEY, WATER RESOURCES BRANCH, LOS ANGELES, FROM MARCH 1916 TO SEPTEMBER 1929, FROM OCTOBER 1, 1929 TO MARCH 23, 1933. RECORDS BASED ON DAM OUTFLOW RECORDS AND GAGE READINGS AT THE PARSHALL FLUME BELOW PACOIMA DAM. THESE RECORDS ARE AVAILABLE AT THE OFFICE OF THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.
AT STATION F118-R - MARCH 24, 1933 TO FEBRUARY 1, 1935.
AT STATION F118B-R - FEBRUARY 9, 1935 TO APRIL 28, 1937 AND JUNE 25, 1937 TO JUNE 15, 1943, AND FROM SEPTEMBER 15, 1943 TO SEPTEMBER 30, 1959.

EXTREMES OF DISCHARGE:
1957-58
MAXIMUM 420 SECOND-FEET FEBRUARY 5.
MINIMUM NO FLOW AT VARIOUS TIMES.
1958-59
MAXIMUM 242 SECOND-FEET JUNE 18.
MINIMUM NO FLOW MOST OF YEAR.
1916-29 (STATION U13-R)
MAXIMUM 1860 SECOND-FEET FEBRUARY 16, 1927.
MINIMUM NO FLOW AT VARIOUS TIMES.
1929-59 (STATIONS F118-R, F118B-R AND PARSHALL FLUME AND DAM RECORDS).
MAXIMUM 685 SECOND-FEET MARCH 2, 1938.
MAXIMUM 2060 SECOND-FEET MARCH 3, 1938, INCLUDING SPILLWAY DISCHARGE.
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: EXCELLENT FOR LIMITS OF FLOW.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT IN COOPERATION WITH THE UNITED STATES GEOLOGICAL SURVEY, WATER RESOURCES BRANCH.

DISCHARGE MEASUREMENTS OF PACOIMA CREEK FLUME

~~AT~~ NEAR below Pacoima Dam DURING THE YEAR ENDING SEPTEMBER 30, 1958

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
681	2/5	1505 / 1515	HYDE-HEMPHILL	10.0	26.0	9.66	2.60	251.		.6	12	0	FC58
682	2/6	1330 / 1340	BOWMAN-HYDE	10.0	3.68	1.71	0.10	6.3		.5	8	0	FC40
683	2/9	1501 / 1518	HYDE-BARR	10.0	3.79	6.74	0.32	25.5		.6	12	0	"
684	2/19	1710 / 1730	HYDE	10.0	8.80	4.98	0.67	43.8		.5	12	0	FC58
685	2/20	1545 / 1630	HYDE-BARR	20.0	85.5	4.00	3.24	342.		.6	13	0	"
686	2/21	1025 / 1046	" "	10.0	10.7	8.07	1.05	86.4		.6	12	0	FC40
687	2/21	1453 / 1510	HYDE-GILMORE	10.0	12.3	8.46	1.27	104.		.6	12	0	"
688	2/22	1612 / 1630	HYDE	10.0	11.9	8.37	1.18	99.6		.6	12	0	"
689	3/17	1235 / 1248	HYDE-BARR	10.0	13.0	8.56		111.		.6	12		"
690	3/18	0908 / 0924	" "	10.0	12.9	8.52	1.25	110.		.6	12	0	"
691	3/19	1130 / 1142	" "	10.0	10.7	8.00	1.05	85.9		.6	12	0	"
692	3/21	1038 / 1054	" "	10.0	10.3	7.95	1.02	82.3		.6	12	0	"
693	3/23	1445 / 1456	" "	10.0	10.6	8.07	1.08	85.6		.6	12	0	"
694	3/24	1110 / 1122	" "	10.0	11.2	7.83	1.12	90.0		.6	12	0	"
695	3/28	0945 / 0958	HYDE-CROKE	10.0	7.93	7.35	0.78	58.3		.6	12	0	"
696	3/31	1255 / 1311	HYDE-BARR	10.0	10.1	7.87	1.00	79.5		.6	12	0	"
697	4/5	0930 / 1000	HYDE-MEDINA	19.8	59.9	6.03	2.97	361.		.6	10	+.02 / -.02	"
698	4/9	1128 / 1148	HYDE-BARR	10.0	10.2	7.09	1.02	72.3		.6	12	0	"
699	4/17	1312 / 1322	" "	10.0	7.20	7.10	0.72	51.0		.6	12	0	"
700	4/23	1153 / 1202	" "	10.0	12.0	7.83	1.20	93.9		.6	12	0	FC58
701	5/6	1110 / 1130	" "	10.0	23.3	7.90	2.05	184.		.6	12	0	"
702	5/6	1212 / 1224	" "	10.0	18.0	10.4	2.05	187.		.6	12	0	"
703	5/28	1100	HYDE	"V" NOTCH WEIR			1.75	10.1				0	
704	6/4	1000	BOWMAN	"	"		1.59	8.2				0	
705	6/6	0755	BOWMAN-BARR	"	"		1.57	8.0				0	
706	8/1	0830	HYDE	"	"		1.29	4.7				0	
707	8/5	1425	"	"	"		1.05	2.8				0	
708	8/14	1500	"	"	"		1.05	2.8				0	
709	8/21	1500	"	"	"		1.04	2.8				0	
710	8/28	1610	"	"	"		1.04	2.8				0	
711	9/2	1100	BOWMAN	"	"		1.04	2.8				0	
712	9/11	1520	HYDE	"	"		1.02	2.6				0	
713	9/19	1542	"	"	"		1.02	2.6				0	

DISCHARGE MEASUREMENTS OF PACOIMA CREEK FLUME

~~AT~~ NEAR below Pacoima Dam DURING THE YEAR ENDING SEPTEMBER 30, 1959

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
714	10/1	0945	HYDE				0.14	0.02		90°	V-NOTCH	WEIR	
715	7/1	0913	"				1.28	4.6		"	"	"	"
716	7/9	1600	"				1.16	3.6		"	"	"	"
717	7/16	1445	"				1.15	3.6		"	"	"	"
718	7/23	1500	HYDE-ROY				1.14	3.5		"	"	"	"
719	7/29	0830	HYDE				1.14	3.5		"	"	"	"
720	8/6	1605	ROY				1.14	3.5		"	"	"	"
721	8/13	1520	HYDE				1.24	4.3		"	"	"	"
722	8/20	1530	"				1.23	4.2		"	"	"	"
723	8/28	0805	"				1.22	4.1		"	"	"	"
724	9/2	0900	"				1.23	4.2		"	"	"	"
725	9/10	1620	"				1.21	4.0		"	"	"	"
726	9/16	0930	"				1.20	4.0		"	"	"	"
727	9/23	0830	"				1.18	3.8		"	"	"	"
728	9/30	0838	"				1.16	3.6		"	"	"	"

74D74M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F118-R

Daily discharge, in second-feet of PACOIMA CREEK FLUME below Pacoima Dam for the year ending September 30, 19 58

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	+	b 47	76	105	8.8	+	4.1	2.8
2	0	0	0	0	|	35	83	130	8.6	|	3.6	2.8
3	0	0	0	0	|	10.4	79	162	8.3	|	3.6	2.8
4	0	0	0	0	+	31	156	162	8.2	|	3.6	2.8
5	0	0	0	0	204	16.6	333	186	8.3	|	3.1	2.7
6	0	+	0	0	138	6.7	278	190	2.7	|	2.8	2.7
7	0	0	0	0	10.6	45	237	182	+	|	2.8	2.7
8	0	0	0	0	18.2	17.8	144	176	|	|	2.8	2.7
9	0	0	0	0	23	17.5	82	138	|	|	2.8	2.7
10	0	0	0	0	11.0	13.5	83	119	|	|	2.8	2.7
11	0	0	0	0	+	25	83	142	|	|	2.8	2.6
12	0	0	0	0	0.1	15.0	83	135	|	|	2.8	2.6
13	0	0	0	0	0.1	14.0	79	31	|	|	2.8	2.6
14	+	0	0	0	0.1	22	69	b 25	|	|	2.8	2.6
15	|	0	0	0	+	v 8.3	55	22	|	|	2.8	2.6
16	|	0	0	0	0	38	55	19.0	|	|	2.8	2.6
17	|	0	+	0	0	107	55	17.0	|	|	2.8	2.6
18	|	0	+	0	0	104	56	16.0	|	|	2.8	2.6
19	|	0	+	0	76	85	58	16.0	|	|	2.8	2.6
20	|	0	0	0	300	43	58	16.0	|	|	2.8	1.7
21	|	0	0	0	94	52	57	15.0	|	|	2.8	+
22	|	0	0	0	99	63	53	15.0	|	|	2.8	|
23	|	0	0	0	58	39	78	14.0	|	|	2.8	|
24	|	0	0	0	23	93	95	b 14.0	|	|	2.8	|
25	+	0	0	0	36	86	101	12.9	|	|	2.8	|
26	0	0	0	+	b 24	47	111	11.2	|	|	2.8	|
27	0	0	0	|	27	34	110	10.0	|	|	2.8	|
28	0	0	0	|	43	60	109	10.0	|	|	2.8	|
29	0	0	0	|	|	63	112	9.8	|	|	2.8	|
30	0	0	0	|	|	68	109	9.4	+	+	2.8	+
31	0	|	0	+	|	71	|	9.1	|	3.0	2.8	|
	+		+		1185.1		3137		44.9		90.8	
		+		+		1377.8		2119.4		3.0		52.5
MEAN	+	+	+	+	42.3	44.4	105.	68.4	1.50	0.97	2.93	1.75
ACRE-FEET	+	+	+	+	2350.	2730.	6220.	4200.	89.	6.0	180.	104.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 21.9
ACRE-FEET 15,880.

74D74M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F118-R

Daily discharge, in second-feet of PACOIMA CREEK FLUME below Pacoima Dam for the year ending September 30, 19 59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	0	+	+	0	+	+	+	+	3.6	3.5	4.2
2	|	0	|	0	0	|	|	|	|	5.0	3.5	4.2
3	|	0	|	0	0	|	|	|	|	3.7	3.5	4.2
4	|	0	|	0	0	|	|	|	|	2.6	3.5	4.2
5	|	0	|	+	0	|	|	|	|	2.6	3.5	4.1
6	|	0	|	|	0	|	|	|	|	2.6	3.5	4.1
7	|	0	|	|	0	|	|	|	|	3.3	3.5	4.1
8	|	0	|	|	0	|	|	|	|	3.6	3.5	4.1
9	|	0	+	|	0	|	|	|	|	3.6	3.5	4.1
10	|	0	0	|	0	|	|	|	|	3.6	3.5	4.0
11	|	0	0	|	0	|	|	|	|	3.6	3.9	4.0
12	+	0	0	|	0	|	|	|	|	3.6	4.3	4.0
13	0	0	0	|	+	|	|	|	|	3.6	4.3	4.0
14	0	0	0	|	|	|	|	|	|	3.6	4.3	4.0
15	0	0	0	|	|	|	|	|	|	3.6	4.3	4.0
16	0	0	0	|	|	|	|	|	+	3.6	4.2	4.0
17	0	0	0	+	|	|	|	|	|	3.6	4.2	4.0
18	0	0	0	0	|	|	|	|	5.7	3.5	4.2	4.0
19	0	0	0	0	|	|	|	|	+	3.5	4.2	3.9
20	0	0	0	0	|	|	|	|	|	3.5	4.2	3.9
21	0	0	0	0	|	|	|	|	|	3.5	4.2	3.9
22	0	0	0	0	|	|	|	|	|	3.5	4.2	3.8
23	0	0	0	0	|	|	|	|	|	3.6	4.2	3.8
24	+	+	0	0	|	|	|	|	|	3.6	4.2	3.8
25	0	|	0	0	|	|	|	|	|	3.6	4.2	3.8
26	0	|	0	0	|	|	|	|	|	3.5	4.2	3.8
27	0	|	0	0	|	|	|	|	|	3.5	4.2	3.8
28	0	|	0	0	+	|	|	|	|	3.5	4.2	3.7
29	0	|	+	0	|	|	|	|	|	3.5	4.2	3.7
30	0	+	+	0	|	|	+	+	+	3.5	4.2	3.6
31	0	|	+	0	|	+	|	+	|	3.5	4.2	|
	+		+		+		+		5.7		123.3	
		+		+		+		+		108.9		118.8
MEAN	+	+	+	+	+	+	+	+	0.19	3.51	3.98	3.96
ACRE-FEET	+	+	+	+	+	+	+	+	11.	216.	245.	236.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.98
ACRE-FEET 708.

STATION F305-R
PACOIMA DIVERSION at Branford Street

LOCATION: WATER-STAGE RECORDER, LAT. 34°14'04", LONG. 118°25'14", ON THE LEFT (NORTHEASTERLY) BANK OF THE CHANNEL, 35 FEET ABOVE BRANFORD STREET BRIDGE. ELEVATION OF ZERO GAGE HEIGHT 844 FEET.

DRAINAGE AREA: 48.8 SQUARE MILES.

CHANNEL AND CONTROL: TRAPEZOIDAL CONCRETE, WITH GROUTED ROCK WALLS. CHANNEL FORMS CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM UPSTREAM SIDE OF BRANFORD STREET BRIDGE.

RECORDER: A STEVENS TYPE A-35B WAS IN SERVICE FROM OCTOBER 1, 1957 TO SEPTEMBER 1959.

REGULATION: FLOW REGULATED BY PACOIMA DAM, LOPEZ BASIN AND PACOIMA SPREADING GROUNDS.

DIVERSIONS: SMALL DIVERSIONS FOR IRRIGATION NEAR MOUTH OF CANYON. WATER DIVERTED TO LOPEZ AND PACOIMA SPREADING GROUNDS DURING SPREADING OPERATIONS.

RECORDS AVAILABLE: OCTOBER 30, 1953 TO SEPTEMBER 30, 1959.

EXTREMES OF DISCHARGE:
1957-58
MAXIMUM 1380 SECOND-FEET FEBRUARY 4.
MINIMUM NO FLOW PART OF YEAR.
1958-59
MAXIMUM 2800 SECOND-FEET JANUARY 6.
MINIMUM NO FLOW PART OF YEAR.
1953-59
MAXIMUM 2800 SECOND-FEET JANUARY 6, 1959.
MINIMUM NO FLOW VARIOUS TIMES.

OPERATION: LOCATED AND CONSTRUCTED BY THE CORPS OF ENGINEERS, DEPARTMENT OF THE ARMY. OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF PACOIMA DIVERSION

AT ~~NEAR~~ Branford Street DURING THE YEAR ENDING SEPTEMBER 30, 19 58

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
26	4/1	1055 / 1110	HYDE-MEDINA	34.5	37.5	16.0		598.		.6	9	0	FC58

F6D74M Gab 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F305-R

Daily discharge, in second-feet of PACOIMA DIVERSION at Branford Street, for the year ending September 30, 19 58

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	0.1	0	0	0	0	196	0.3	16.6	+	+	+
2		7.6	0	0	10.5	0	22	0	11.2			
3		5.6	0	0	37	+	212	b +	10.5			
4		0	29	0	85	3.1	94		8.5			
5	+	+	12.5	+	33	+	246		7.8			
6	0	+	+	0	4.5	1.5	326		3.8			
7	0	0	0.2	+	0.8	0	250		1.7			
8	+	0	0	+	0.8	0	153		1.4			
9	+	0	0	+	+	+	95		1.4			
10	0	0	+	3.3	+	6.2	62		1.7			
11	35	0	0	0	0.5	0.4	50		1.4			
12	0.4	0	0	0	0.3	0.4	48		1.0			
13	10.4	0	0	0	+	5.3	59	b +	0.8			
14	2.7	0	0	0		35	b 32	6.2	b 0.6		+	
15	+	0	4.7	+		57	7.7	14.7	0.4		3.2	
16	+	0	5.9			9.1	3.2	18.8	0.2		+	
17	+	0	3.2			2.2	+	14.4	b 0.1			
18	0	0	0.4		+	3.9	+	11.2	+			
19	0	0	0		6.5	0.1	+	30			+	+
20	21	0	0	+	5.0	2.8	0	45			0.9	0.1
21	1.1	0	0	0	0.2	60	0	42			+	0.2
22	0	0	0	0	0.1	31	0	24				+
23	0	0	0	0	+	2.7	b +	8.5				13.0
24	0	0	0	5.6	0	0.2	0.1	9.9				0.3
25	0	0	0	22	3.8	0.1	0	10.5				+
26	0	0	0	9.3	0	5.7	0.3	34				
27	0.1	0	0	+	0	4.6	0.6	53				
28	+	0	0	0	0		0.4	0.3	23			+
29	0	0	0	0			0.3	0.3	14.2			0.4
30	+	0	0	3.6			7.4	0.3	21	+		0
31	1.8		+	+			10.5		18.8		+	+	
		13.3		43.8		316.5		399.5		+		14.0
	725		180.1		251.0		1857.8		69.1		4.1	
MEAN	2.34	0.44	5.81	1.41	8.96	10.2	61.9	12.9	2.30	+	0.13	0.47
ACRE-FEET	144.	26.	357.	87.	498.	628.	3680.	792.	137.	+	8.1	28.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 8.83
ACRE-FEET 6390.

TEDTAM Oct 1-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F 305-R

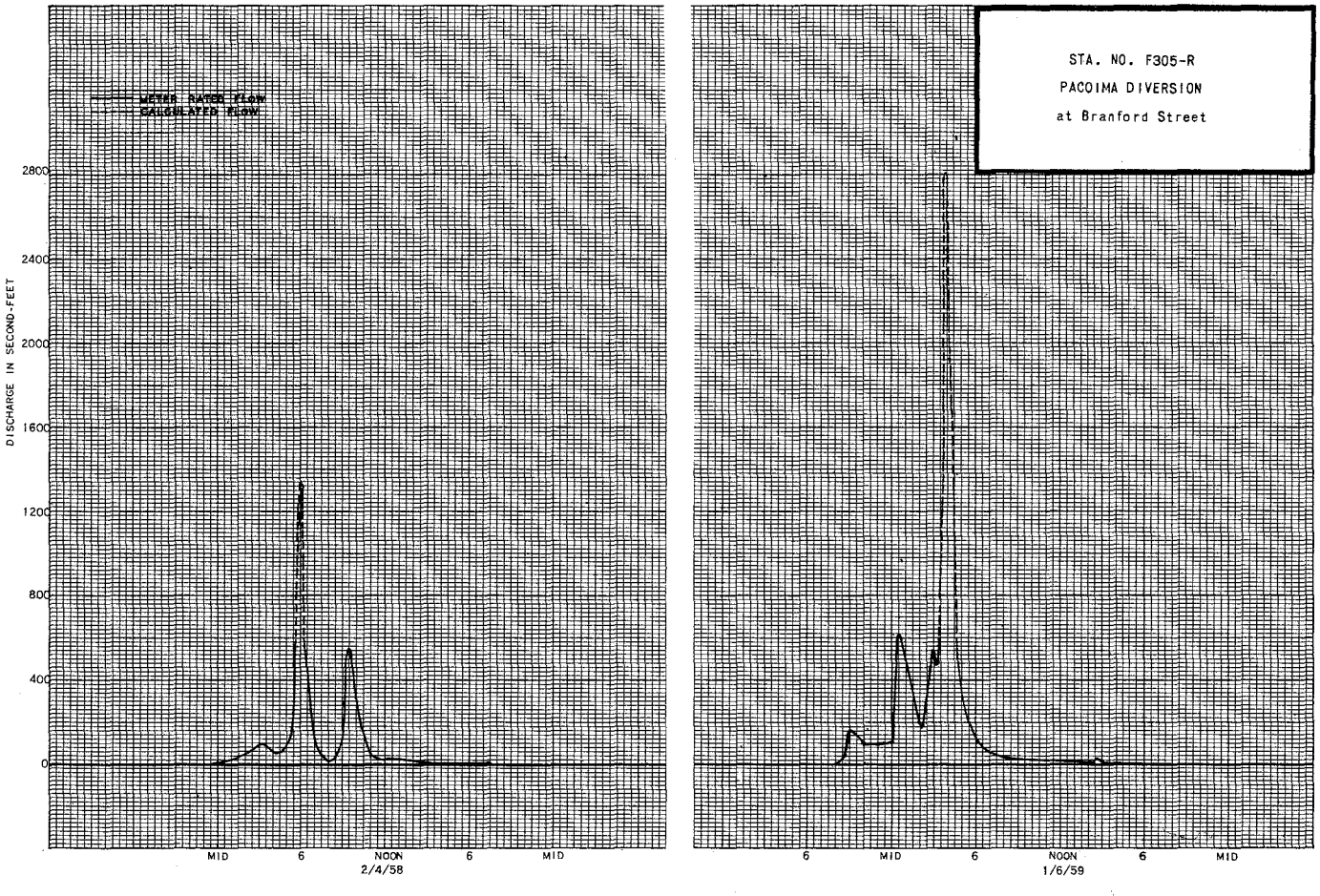
Daily discharge, in second-feet of PACOIMA DIVERSION at Branford Street, for the year ending September 30, 1959

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0.5	0	0	+	+	+	+	0			
2	+	0	0	+	+	+	+	0	+			
3	0	0	+	0	0.4	+	0	+				
4	0	0	+	+	+	0	+	0				
5	+	0.6	+	16.5	0	+	+	0	+			
6	+	+	0	16.3	0		0	+	0			
7	0		0	0.4	2.7		+		+			
8	0		0	+	35		+					
9	0	+	+	+	0.2	+	+					
10	0	1.5	+	0	0.8	0	0					
11	0.1	+	+	0	26	+	+	+				
12	+	0	0	0	19.9	+	+	0.5				
13	0	0	0	+	+	0	+	+				
14	0	0	+	0	0	+	+					
15	0	0	0	0	2.7	+	0					
16	0	0	0	0	14.0	0.4	0					+
17	0	0	0	+	1.5	+	0		+			
18	0	0	0	+	4.9		+		0.9			
19	0	+	0	0.4	+		+		0			
20	0		0	+	0	+	0		+			
21	+		0	+	24	0	+	+				
22	+		0	0	0.3	+	0	0				
23	+		0	+	0	0	0	+				
24	7.4	0	0	+	0	0	0	+				
25	1.0	+	0	+	0	+	15.0	+				
26	1.3	+	0	0	0	+	4.5	0				
27	+	0	0	+	0	0	+	+	+			
28	+	0	0	0	+	0.1		0	0.8			
29	0	+	0	0		0.3		0	+			+
30	+	+	0	0		0	+	0	0			0.7
31	0.3		0	0		+		+				
	101		+	1324		195		17				
		2.6		1803		0.8		0.5				0.7
MEAN	0.33	.09	+	5.82	4.73	0.03	0.65	0.02	0.06			+
ACRE-FEET	20.	5.2	+	358.	263.	1.6	39.	1.0	3.4			+

RECORDER STOPPED FOR SUMMER ON 7/1/59

Remarks: + = 0.06 CFS OR LESS

YEAR OR PERIOD MEAN 0.95
ACRE-FEET 693.



STATION F16-R
PACOIMA WASH at Van Nuys Boulevard

LOCATION: WATER-STAGE RECORDER, LAT. 34°12'24", LONG. 118°26'55", ON THE RIGHT (SOUTH) BANK OF THE CHANNEL, 60 FEET ABOVE VAN NUYS BOULEVARD BRIDGE, AND AT UPSTREAM END OF TRANSITION TO CONCRETE-LINED CHANNEL. ELEVATION OF ZERO GAGE HEIGHT 754.12 FEET.

DRAINAGE AREA: 5.66 SQUARE MILES BEGINNING 1953-54, 51.5 SQUARE MILES PREVIOUSLY.

CHANNEL AND CONTROL: SAND BOTTOM WITH PIPE AND WIRE SIDES 30 FEET WIDE AND 10 FEET DEEP. WEIR IN TRANSITION TO CONCRETE-LINED CHANNEL FORMS CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOW MEASURED BY WADING, HIGH FLOWS MEASURED FROM FOOTBRIDGE ON UPSTREAM SIDE OF VAN NUYS BOULEVARD BRIDGE.

RECORDER: AN N.C.F. RECORDER WAS IN SERVICE FROM OCTOBER 1, 1957 TO SEPTEMBER 30, 1959.

REGULATION: FLOW PARTIALLY REGULATED BY PACOIMA SPREADING GROUNDS.

DIVERSIONS: NONE.

RECORDS AVAILABLE: OCTOBER 14, 1952 TO SEPTEMBER 30, 1959. RECORDS FOR STATION F16-R, PACOIMA WASH AT PARTHENIA STREET, AVAILABLE FROM DECEMBER 26, 1928 TO SEPTEMBER 9, 1952.

EXTREMES OF DISCHARGE:

1957-58
MAXIMUM 469 SECOND-FEET FEBRUARY 4.
MINIMUM NO FLOW MOST OF YEAR.

1958-59
MAXIMUM 576 SECOND-FEET JANUARY 6.
MINIMUM NO FLOW MOST OF YEAR.

1952-59
MAXIMUM 785 SECOND-FEET NOVEMBER 15, 1952. (PRIOR TO PACOIMA DIVERSION, 1953-54).
MAXIMUM 576 SECOND-FEET JANUARY 6, 1959, (PRESENT CONDITIONS).
MINIMUM NO FLOW MOST OF EACH YEAR.

ACCURACY: GOOD.

REMARKS: PACOIMA WASH DIVERSION CHANNEL DIVERTS ALL OF PACOIMA WASH FLOW ABOVE SHARP STREET, EXCEPT THAT WHICH IS SPREAD IN PACOIMA SPREADING GROUNDS, TO TUJUNGA WASH. DIVERSION WAS COMPLETED PRIOR TO OCTOBER 1953.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF PACOIMA WASH

AT ~~NEAR~~ Van Nuys Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 1958

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEQ. NO.	G. HT. CHANGE TOTAL	METER NO.
57	11/2	2227 / 2242	HYDE-FEIKER	26.0	15.1	3.70	3.17	56.7		.6	12	0	FC58
58	12/5	0100 / 0112	" "	24.5	10.6	2.32	3.08	24.6		.6	11	+.04	"
59	12/5	0250 / 0300	" "	27.0	18.6	4.58	3.32	85.2		.6	11	-.06	"
60	12/15	1052 / 1109	" "	24.8	15.5	2.96	3.17	45.8		.6	13	+.02	"
61	12/15	0840 / 1854	" "	23.5	18.5	2.22	3.18	41.0		.6	10	-.05	"
62	12/16	1022 / 1030	" "	24.5	13.8	1.28	3.03	17.6		.6	10	-.02	"
63	12/17	0323 / 0337	" "	25.0	25.8	2.62	3.33	67.5		.6	11	-.05	FC21
64	1/25	2145 / 2200	HYDE-HEMPHILL	27.0	23.9	3.65	3.35	87.2		.6	12	-.01	FC40
65	1/26	0734 / 0744	" "	25.1	15.6	0.85	3.01	13.3		.6	9	-.02	"
66	2/2	2014 / 2022	" "	25.1	17.4	2.10	3.18	36.6		.6	12	-.01	"
67	2/3	0347 / 0406	" "	22.0	34.2	6.14	3.90	210.		.6	10	+.17	"
68	2/3	0420 / 0434	" "	22.0	35.7	6.87	3.92	245.		.6	8	-.05	FC58
69	2/4	0257 / 0310	" "	27.5	23.9	2.40	3.28	57.3		.6	12	+.04	FC40
70	2/4	1026 / 1036	" "	29.0	39.0	4.77	3.69	186.		.6	14	-.05	"
71	2/19	0637 / 0652	HYDE-MEDINA	22.0	34.2	7.57	3.91	259.		.6	9	-.04	"
72	2/19	1040 / 1052	" "	22.0	27.2	6.84	3.87	186.		.6	9	-.08	"
73	2/25	0807 / 0817	" "	27.8	33.6	2.54	3.38	85.5		.6	11	-.03	"
74	3/15	1402 / 1412	HYDE	26.0	26.6	2.09	3.3	54.4		.6	11	0	"
75	3/22	0010 / 0025	HYDE-MEDINA	22.0	27.4	6.61	3.78	181.		.6	10	-.10	"
76	3/27	1226 / 1234	HYDE-BOYLES	24.0	29.2	1.80	3.30	52.4		.6	10	-.04	"
77	4/1	1440 / 1447	HYDE-FALCONE	25.5	34.0	3.64	3.59	124.		.6	9	-.04	"
78	4/3	0723 / 0743	FALCONE-HYDE	22.0	42.1	7.48	4.17	315.		.6	10	-.23	FC58
79	4/6	1108 / 1122	HYDE-LUND	22.0	32.0	7.00	3.79	224.		.6	10	+.06	FC40
80	4/6	1133 / 1146	" "	22.0	31.0	7.13	3.81	221.		.6	10	+.03 / -.03	"

DISCHARGE MEASUREMENTS OF PACOIMA WASH

AT Van Nuys Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 1959

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEQ. NO.	G. HT. CHANGE TOTAL	METER NO.
81	1/6	0220 / 0254	HYDE-MEDINA	22.0	51.6	8.08	4.47	417.		.6	9	0	FC40
82	1/6	0814 / 0920	" "	22.0	3.41	1.46	2.98	5.0		.5	8	-.01	"
83	2/8	1215 / 1225	" "	22.0	6.38	2.70	3.10	17.2		.6	10	-.01	"
84	2/11	0128 / 0144	" "	28.0	35.7	2.30	3.42	82.0		.6	11	+.02	"
85	2/11	1015 / 1022	" "	22.0	2.20	1.14	2.90	2.5		.5	8	0	"
86	2/16	0653 / 0702	" "	25.5	21.6	0.95	3.09	20.5		.6	10	0	"
87	2/21	1036 / 1047	BOWMAN-HYDE	25.0	36.9	3.01	3.52	111.		.6	11	0	"

76DT4M Gdb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F15-R

Daily discharge, in second-feet of PACOIMA WASH at Van Nuys Boulevard, for the year ending September 30, 1958

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	59	0.8	0			0
2	0	4.6	0	0	6.6	0	8.3	0.8	0			0
3	0	2.9	0	0	49	0	70	0.8	0			0
4	0	+	0	0	8.8	0	7.8	0.2	0			0
5	0	0	15	0	+	0	+	0.8	0			0
6	0	0	0	0	0	0.2	25	0.8	0			0
7	0	0	0	0	0	0	41	0.8	0			0
8	0	0	0	0	+	0	0.2	1.9	0			0
9	0	0	0	0	0	0	4.7	1.4	0			0
10	0	0	0	+	0	1.1	1.6	+	0			0
11	2.3	0	0	0	0	1.3	1.6	1.9	0	STOPPED FOR SUMMER		0
12	0.7	0	0	0	0	+	+	4.3	0			0
13	1.4	0	0	0	0	+	0.4	1.0	0			0
14	4.6	0	0	0	0	7.8	0	0	0			0
15	+	0	44	0	0	24	+	0	0		2.7	0
16	0	0	20	0	0	14	0.3	0	0		0	0
17	0	0	24	0	0	+	0	0	0		0	0
18	0	0	0	0	0	0	0	0	0		0	0
19	0	0	0	0	7.6	0	0	0	0		0	0
20	3.5	0	0	0	0	1.8	+	0	0		0	0
21	3.0	0	0	0	0.1	14	+	0	0		0	0
22	0	0	0	0	0	19	+	0	0		0	0
23	0	0	0	0	0	0	0.4	0	0		0	0
24	0	0	0	0.8	0	0	1.6	0	0		0	0
25	0	0	0	17.	4.2	0	0.4	0	0		0	0
26	0	0	0	16	0	0	2.4	0	0		0	0
27	0	0	0	0	0	29	0.8	0	0		0	0
28	0	0	0	0	0	0	0.6	0	0		0	0
29	0	0	0	0		0	3.1	0	0		0	0
30	0	0	0	1.3		1.1	1.4	0	0		0	0
31	0		0	0		5.2		0			0	
		7.5		35.1		134.7		15.5				0
	15.5		103.0		261.7		230.6		0		2.7	
MEAN	0.50	0.25	3.32	1.13	9.35	4.36	7.69	0.50	0	0	0.09	0
ACRE-FEET	31.	15.	204.	70.	519.	267.	457.	31.	0	0	5.4	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 2.21
ACRE-FEET 1600.

76DT4M Gdb 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

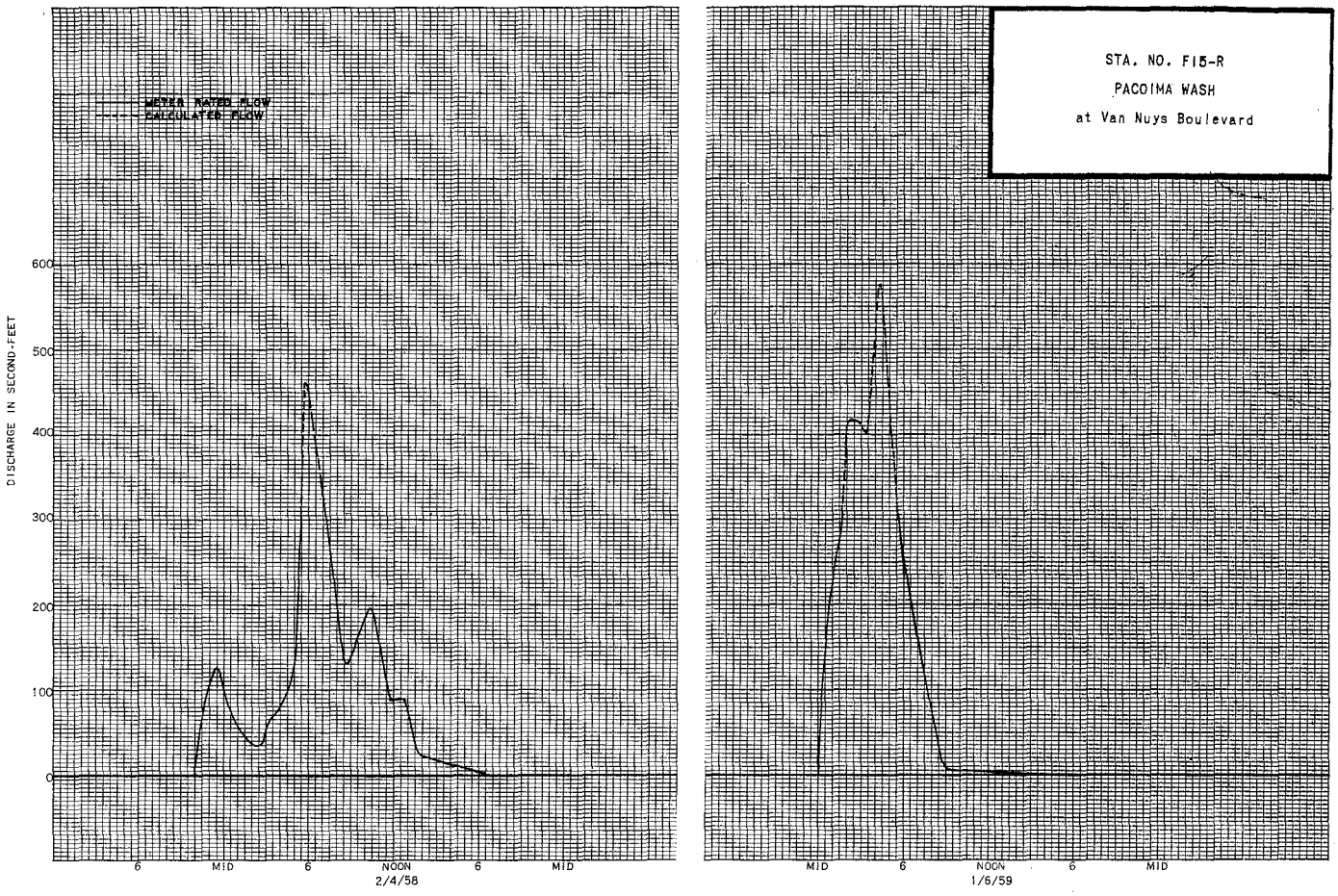
Sta. No. F15-R

Daily discharge, in second-feet of PACOIMA WASH at Van Nuys Boulevard, for the year ending September 30, 1959

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	105	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	16	0	0	0	0	0	0	0
9	0	0	0	0	+	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	23	0	0	0	0	0	0	0
12	0	0	0	0	0.7	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	+	0	0	0	0	0	0	0
16	0	0	0	0	24	0	0	0	0	0	0	0
17	0	0	0	0	+	0	0	0	0	0	0	0
18	0	0	0	0	1.9	0	0	0	0	0	0	0
19	0	0	0	0	+	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	21	0	0	0	0	0	0	0
22	0	0	0	0	0.3	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0		0	0	0	0	0	0	0
30	0	0	0	0		0	0	0	0	0	0	0
31	0		0	0		0		0		0	0	
	0		0		86.9		0		0		0	
		0		105.0		0		0		0		0
MEAN	0	0	0	3.39	3.10	0	0	0	0	0	0	0
ACRE-FEET	0	0	0	208.	172.	0	0	0	0	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.53
ACRE-FEET 381.



STATION F135-R
PLACERITA CREEK at Ridge Route Highway

LOCATION: WATER-STAGE RECORDER, LAT. 34°24'52", LONG. 118°32'34", ON THE RIGHT (EAST) BANK AND ON THE UPSTREAM SIDE OF RIDGE ROUTE HIGHWAY BRIDGE, ABOUT 700 FEET WEST OF RIDGE ROUTE AND HIGHWAY 6 JUNCTION.

DRAINAGE AREA: 40.9 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL, SAND AND GRAVEL, NO ARTIFICIAL CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING; HIGH FLOW MEASURED BY CABLE CAR, 200± FEET UPSTREAM FROM STATION.

RECORDER: AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1957 TO APRIL 28, 1958 AN A-35; AN A-35 RECORDER FROM APRIL 28, 1958 TO SEPTEMBER 30, 1959.

REGULATION: NONE. FLOWS OCCASIONALLY ORIGINATE FROM LOS ANGELES AQUEDUCT BLOWOFF.

DIVERSIONS: NONE.

RECORDS AVAILABLE: SEPTEMEER 9, 1947 TO SEPTEMBER 30, 1959. FOR PREVIOUS MEASUREMENTS AND RECORDS SEE STAFF GAGE STATION F135-S, NEWHALL CREEK, IN THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT FILES.

EXTREMES OF DISCHARGE:

1957-58
MAXIMUM 3640 SECOND-FEET APRIL 3.
MINIMUM NO FLOW MOST OF YEAR.

1958-59
MAXIMUM 2410 SECOND-FEET JANUARY 6.
MINIMUM NO FLOW MOST OF YEAR.

1947-59
MAXIMUM 6800 SECOND-FEET JANUARY 15, 1952.
MINIMUM NO FLOW MOST OF EACH YEAR.

ACCURACY: FAIR.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF PLACERITA CREEK

AT NEAR Ridge Route Highway DURING THE YEAR ENDING SEPTEMBER 30, 1958

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
104	11/2	2226 / 2234	WHISLER-LUGO	34.0	19.3	2.56	2.38	49.5		.5/.6	9	0	FC5
105	12/5	0044 / 0048	" "	11.0	3.30	2.30	1.96	7.6		.5/.6	6	0	"
106	12/5	0154 / 0205	" "	46.5	38.9	3.96	2.76	154.		.6	10	-.07	"
107	12/5	0216 / 0228	" "	43.0	27.7	3.52	2.60	97.4		.5/.6	10	-.14	"
108	12/15	0837 / 0845	WHISLER	45.0	31.4	5.15	2.68	162.		.6	10	-.02	"
109	12/15	0904 / 0912	"	43.5	30.6	5.06	2.67	155.		.6	11	-.04	"
110	12/15	1028 / 0334	"	33.0	17.7	4.04	2.32	71.6		.6	8	0	"
111	12/15	1139 / 1146	"	46.0	40.3	5.19	2.76	209.		.6	9	+.10	"
112	12/15	1555 / 1607	WHISLER-MEDINA	50.0	70.2	7.68	3.52	539.		.6	9	-.16	"
113	12/15	1943 / 1952	" "	44.0	27.4	4.89	2.53	134.		.5/.6	9	-.04	FC32
114	12/16	0556 / 0605	" "	39.5	20.9	4.23	2.15	88.6		.5/.6	10	0	"
115	12/16	1621 / 1627	" "	13.5	3.37	2.49	1.65	8.4		.5	7	0	"
116	12/17	0106 / 0125	" "	50.0	71.9	7.50	3.30	539.		.6	8	-.08	FC5
117	12/17	0350 / 0359	" "	43.0	22.6	4.13	2.36	93.2		.5/.6	11	-.04	FC32
118	12/17	0840 / 0844	" "	12.5	4.93	3.03	1.89	14.9		.5/.6	7	0	"
119	1/25	2052 / 2059	WHISLER	26.0	10.0	3.18	2.09	31.8		.5/.6	7	0	FC5
120	1/26	0023 / 0031	WHISLER-BLAKELY	47.0	42.5	5.74	2.61	244.		.6	9	0	FC21
121	1/26	0252 / 0301	" "	43.0	20.4	3.91	2.05	79.7		.5/.6	12	-.04	"
122	1/26	0554 / 0603	" "	44.0	22.7	4.44	2.13	101.		.6	11	-.02	"
123	1/26	0852 / 0901	WHISLER	37.0	9.37	2.54	1.82	23.8		.5	10	-.02	"
124	2/2	2040 / 2044	WHISLER-MEDINA	CHANNELS			1.78	18.4		.5	6	+.02	FC41
125	2/3	0238 / 0244	" "	42.0	24.4	4.30	2.07	105.		.5/.6	11	+.10	"
126	2/3	0414 / 0435	" "	53.0	95.4	10.1	3.64	960.		.6	8	+.06 / -.04	FC32
127	2/3	0757 / 0806	" "	45.5	45.8	5.88	2.75	270.		.6	11	-.09	FC41
128	2/3	1241 / 1248	" "	43.0	16.2	3.45	2.12	56.		.5/.6	11	0	"
129	2/3	1618 / 1626	" "	CHANNELS			1.90	28.9		.5	12	-.01	"
130	2/3	2325 / 2337	" "	46.5	51.0	6.45	2.84	329.		.6	9	-.16	"
131	2/4	0931 / 0940	" "	51.0	85.4	8.22	3.63	702.		.6	9	-.03 / +.10	FC32
132	2/4	1324 / 1335	" "	49.0	54.7	6.91	3.04	378.		.6	10	-.04	FC41
133	2/4	2010 / 2019	" "	44.0	27.8	4.91	2.39	136.		.6	9	-.06	"
134	2/5	1251 / 1258	" "	CHANNELS			1.83	18.8		.5	12	0	"
135	2/19	0330 / 0330	WHISLER-STRINGER		"		1.86	36.5		.5	12	+.04	"
136	2/19	0425 / 0437	" "	43.0	36.5	5.51	2.40	201.		.6	12	+.01	"
137	2/19	0643 / 0654	" "	46.5	56.6	6.91	2.98	391		.6	9	+.04	FC32
138	2/19	0953 / 1010	" "	51.0	92.6	8.04	3.63	745.		.6	8	-.07	"
139	2/19	1333 / 1342	" "	47.0	32.2	5.16	2.60	166.		.6	12	-.06	FC41
140	2/19	1833 / 1840	" "	42.0	16.2	2.88	2.11	46.7		.5/.6	10	0	"
141	2/20	1111 / 1116	WHISLER	6.0	1.80	2.83	1.70	5.1		.5/.6	7	0	"
142	2/25	0455 / 0520	WHISLER-STRINGER	58.0	134.	9.85	4.12	1320.		.6	9	0	FC32
143	2/25	0525 / 0550	" "	58.0	122.	8.76	3.98	1070.		.6	9	-.12	"
144	2/25	0830 / 0840	" "	48.0	45.2	5.88	2.90	266.		.6	9	-.06	FC41
145	2/25	1150 / 1157	" "	45.0	21.6	3.81	2.38	82.4		.5/.6	11	-.03	"
146	2/25	1633 / 1644	" "	42.0	15.4	2.94	2.12	45.5		.5/.6	13	-.02	"
147	2/26	1556 / 1602	WHISLER	10.0	2.82	2.48	1.85	7.0		.5	6	0	FC41
148	2/27	1100 / 1104	"	6.5	1.74	1.78	1.78	3.1		.5	5	0	"
149	3/6	1328 / 1332	"	7.0	2.17	2.22	1.74	4.8		.5	7	0	"
150	3/15	1108 / 1117	"	47.0	22.8	4.17	2.23	95.1		.5/.6	12	+.05	"
151	3/15	1422 / 1430	WHISLER-STRINGER	43.5	19.8	4.19	2.26	83.0		.5/.6	12	+.04	"
152	3/15	1750 / 1758	" "	46.0	20.4	3.54	2.23	72.2		.5/.6	11	+.06	"
153	3/15	2127 / 2140	" "	47.5	52.4	6.95	2.90	364.		.6	13	+.09	"
154	3/16	0238 / 0248	" "	48.0	55.6	6.65	3.15	370.		.6	10	-.05	"
155	3/16	0751 / 0758	" "	46.0	27.8	4.97	2.53	138.0		.6	12	0	"
156	3/16	1146 / 1154	" "	44.0	22.6	4.06	2.42	91.8		.5/.6	12	0	"
157	3/16	1715 / 1724	" "	43.0	17.3	3.21	2.22	55.6		.5	13	0	"
158	3/17	0744 / 0755	WHISLER	41.5	14.0	2.31	2.10	32.3		.5	11	0	"
159	3/17	1617 / 1625	WHISLER-STRINGER	CHANNELS			2.00	13.3		.5	12	0	"
160	3/20	2138 / 2148	WHISLER-PROVENCIO	44.0	14.0	3.01	2.17	42.2		.5	12	-.02	"
161	3/21	0816 / 0824	WHISLER	CHANNELS			2.04	16.9		.5	11	0	"
162	3/21	1354 / 1359	"	10.0	2.83	2.96	2.00	8.4		.5	6	0	"
163	3/22	0005 / 0020	WHISLER-PROVENCIO	47.0	47.4	6.76	3.04	321.		.6	8	-.08	FC32
164	3/22	0304 / 0316	" "	49.0	44.2	5.71	2.83	252.		.6	12	+.02	FC41
165	3/22	0645 / 0657	" "	47.0	20.6	4.10	2.47	84.4		.5/.6	11	0	"
166	3/22	1223 / 1230	" "	45.0	15.9	2.89	2.27	45.9		.5	11	-.01	"
167	3/27	1123 / 132	WHISLER	50.0	60.9	6.70	3.26	408.		.6	10	-.10	"
168	3/27	1310 / 1318	WHISLER-MOSES	47.0	22.1	3.84	2.60	84.9		.5/.6	12	-.04	"
169	3/27	1640 / 1643	WHISLER	11.0	4.27	3.20	2.08	13.7		.6	6	-.01	"
170	4/1	0351 / 0400	WHISLER-MOSES	46.0	23.0	4.81	2.53	111.		.6	10	+.08	"
171	4/1	0641 / 0648	" "	51.0	52.6	6.67	3.13	351.		.6	10	+.08	"
172	4/1	1004 / 1011	" "	53.0	65.7	7.26	3.38	477.		.6	10	+.06	"
173	4/1	1408 / 1421	" "	56.0	124.	8.14	4.26	1010.		.6	8	-.22	FC32
174	4/2	0743 / 0751	" "	47.0	24.6	3.80	2.37	93.8		.6	12	0	FC41
175	4/2	1654 / 1701	" "	47.0	22.0	3.38	2.28	74.3		.5/.6	12	0	"
176	4/3	0105 / 0119	" "	51.0	48.3	6.50	2.95	313.		.6	9	0	"
177	4/3	0940 / 0946	" "	51.0	93.9	7.40	3.76	695.		.6	8	-.08	FC32
178	4/3	1337 / 1344	" "	50.0	58.0	6.03	3.06	350.		.6	9	-.06	FC41
179	4/4	1028 / 1037	" "	44.0	27.6	4.06	2.38	112.		.5/.6	11	-.01	"
180	4/5	0855 / 0901	WHISLER-STRINGER	47.0	17.2	2.82	2.10	48.6		.5	11	0	"
181	4/5	1543 / 1550	" "	CHANNELS			2.07	25.6		.5	8	0	"
182	4/6	1000 / 1006	" "	46.0	32.9	5.02	2.50	165.		.6	10	+.14	"
183	4/6	1123 / 1135	" "	50.0	74.5	8.51	3.50	634.		.6	9	+.10	FC32
184	4/6	1340 / 1346	" "	47.0	31.1	5.79	2.79	180.		.6	11	-.02	FC41
185	4/6	1743 / 1748	" "	48.0	18.8	2.96	2.37	56.6		.5/.6	9	-.01	"
186	4/7	0612 / 0618	" "	52.2	51.4	6.19	3.00	318.		.6	11	+.10	"
187	4/7	0916 / 0923	" "	52.0	49.1	5.91	3.00	290.		.6	13	-.02	"
188	4/7	1647 / 1654	" "	48.0	24.1	4.40	2.58	106.		.5/.6	11	-.02	"
189	4/8	1114 / 1122	" "	46.0	14.6	2.93	2.40	42.8		.5	13	0	"

DISCHARGE MEASUREMENTS OF PLACERITA CREEK

AT NEAR Ridge Route Highway DURING THE YEAR ENDING SEPTEMBER 30, 1959

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
190	1/5	2340 / 2350	TWITTY-WHISLER	CHANNELS			1.89	18.6		.5	6	0	FC41
191	1/6	0118 / 0127	WHISLER-TWITTY	48.0	19.3	3.43	2.26	66.2		.5/.6	12	+.02	"
192	1/6	0700 / 0705	" "	28.0	19.6	3.74	2.95	73.4		.5/.6	9	0	"
193	2/10	2345 / 2400	TWITTY-WHISLER	17.0	6.04	2.75	2.46	16.7		.5	9	+.06	"
194	2/11	0059 / 0111	WHISLER-TWITTY	51.0	34.4	4.70	3.24	162.		.5/.6	12	+.18	"
195	2/11	0223 / 0233	" "	53.0	51.0	5.32	3.41	271.		.6	10	-.06	"
196	2/11	0639 / 0649	TWITTY-WHISLER	49.0	27.0	4.22	2.91	114.		.6	11	-.06	"
197	2/16	0505 / 0515	WHISLER-TWITTY	CHANNELS			2.64	54.3		.5/.6	13	+.04	"
198	2/16	1125 / 1142	TWITTY-WHISLER	48.5	24.0	4.08	2.68	97.8		.5/.6	12	0	"
199	2/16	1345 / 1352	WHISLER-TWITTY	54.0	50.7	5.62	2.99	285.		.6	11	0	"
200	2/16	1606 / 1614	WHISLER	51.0	29.2	4.49	2.79	131.		.5/.6	12	0	"
201	2/16	2010 / 2015	WHISLER-STRINGER	CHANNELS			2.41	19.6		.5 EST.	7	-.01	"
202	2/21	1035 / 1040	" "	14.0	6.10	3.49	2.40	21.3		.5/.6	8	+.02	"
203	2/21	1112 / 1119	" "	51.0	21.9	3.53	2.64	77.4		.5	13	-.02	"
204	2/21	1430 / 1433	" "	9.5	2.19	2.92	2.26	6.4		.5	5	-.02	"
205	9/17	1112 / 1114	WHISLER	2.0	0.19	0.73		0.14		.5	5	0	FC59

76D74M Gth 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F135-R

Daily discharge, in second-feet of PLACERITA CREEK at Ridge Route Highway for the year ending September 30, 1958

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	+	468	e 0.4	e 0.8	0	0	0
2	0	2.5	0	0	3.9		97	e 0.4	1.5	0	0	0
3	0	1.0	0	0	165		746	+	0.5	0	0	0
4	0	0.1	0	0	398		110	+	0.4	0	0	0
5	0	+	10	0	26	+	39	0	+	0	0	0
6	0	0	0	0	1.6	1.1	112	e 2.5	1.0	0	0	0
7	0	0	0	0	e 1.0	0	199	2.5	1.0	0	0	0
8	0	0	0	0	0.8	0	38	2.5	1.0	0	0	0
9	0	0	0	0	0.6	0	12	2.5	1.0	0	0	0
10	0	0	0	0	0.4	0	2.3	2.5	1.0	0	0	0
11	0.1	0	0	0	0.2	0	e 0.4	2.5	e 0.6	0	0	0
12	0	0	0	0	e 0.1	0	0.3	e 1.2	0	0	0	0
13	+	0	0	0	+	1.0	0.2	+	0	0	0	0
14	+	0	0	0	0	5.2	0.2	e 1.5	0	0	0	0
15	0	0	2.85	0	0	9.5	0.3	1.5	0	0	0	0
16	0	0	8.0	0	0	13.8	0.2	1.5	0	0	0	0
17	0	0	1.00	0	0	2.3	0.1	e 0.8	0	0	0	0
18	0	0	1.1	+	+	4.2	0.4	+	0	0	0	0
19	0	0	0.5		1.93	2.6	0.4	+	0	0	0	0
20	2.4	0	0.5		5.1	9.8	0.3	0	0	0	0	0
21	0.3	0	+		2.1	2.2	0.4	e 0.2	0	0	0	0
22	0	0	0	+	+	9.3	0.3	0.8	0	0	0	0
23	0	0	0	0	0	9.6	+	1.0	0	0	0	0
24	0	0	0	0	0	1.7	0.3	1.0	0	0	0	0
25	0	0	0	1.6	1.97	e 0.3	+	1.0	0	0	0	0
26	0	0	0	4.3	9.5	e 0.3	0	1.0	0	0	0	0
27	0	0	0	0.5	2.7	5.5	0.2	1.0	0	0	0	0
28	0	0	0	+	1.6	3.3	0.4	e 0.8	0	0	0	0
29	0	0	0	+		e 1.2	0.4	0	0	0	0	0
30	0	0	0	0		2.4	e 0.4	+	0	0	0	0
31	0		0	0		+		e 0.8		0	0	
		3.6		59.5		515.5		29.9		0		0
	2.8		457.1		1008.6		18285		8.8		0	
MEAN	0.09	0.12	14.7	1.92	36.0	16.6	61.0	0.96	0.29	0	0	0
ACRE-FEET	5.6	7.1	907.	118.	2000.	1020.	3630.	59.	17.	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 10.7
ACRE-FEET 7760.

76D74M Gth 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

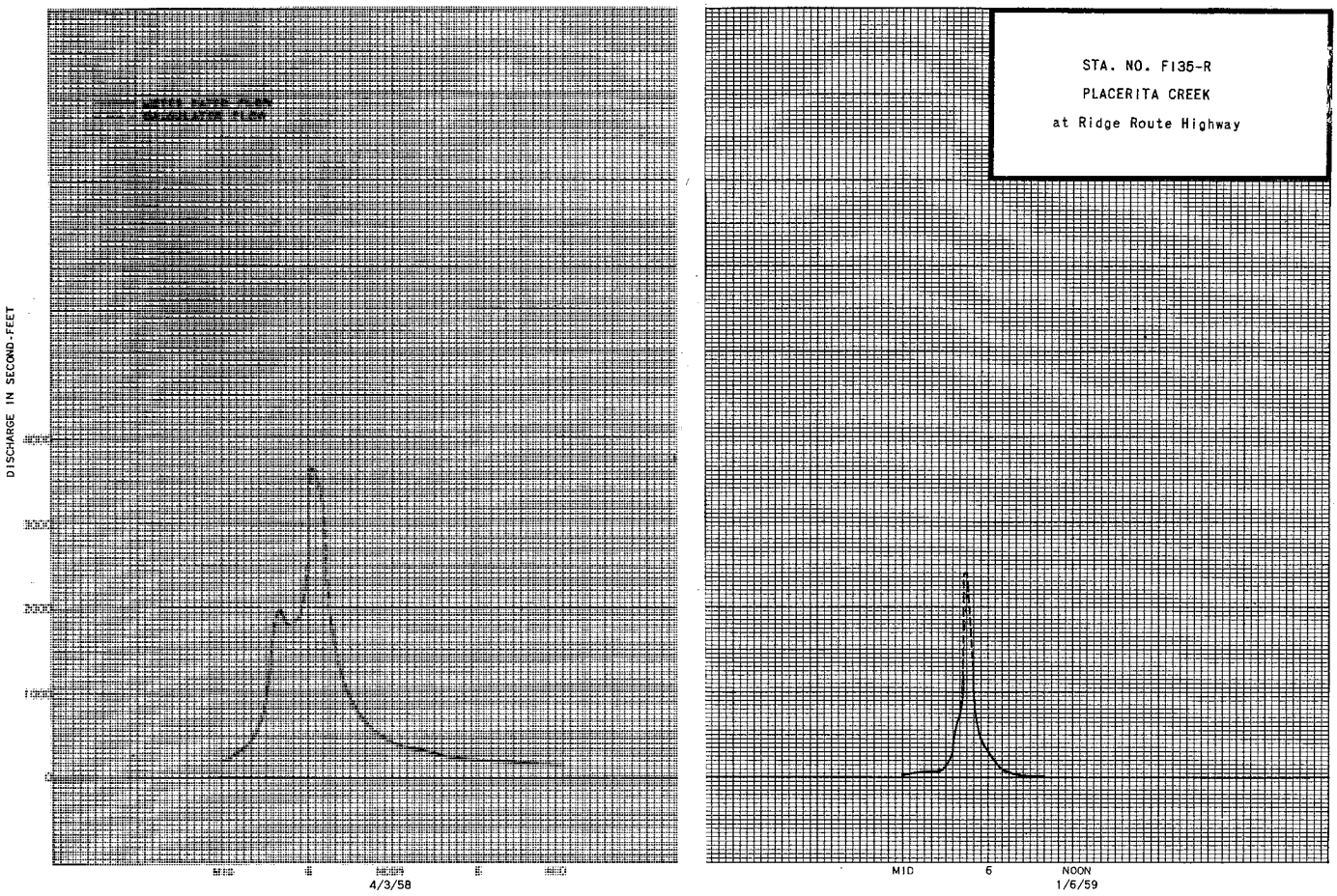
Sta. No. F135-R

Daily discharge, in second-feet of PLACERITA CREEK at Ridge Route Highway for the year ending September 30, 1959

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	0.1	+	+	+	+
2	0	0	0	0	0	0	0	0.2				
3	0	0	0	0	0	0	0	0.2				
4	0	0	0	0	0	0	0	0.2				
5	0	0	0	0.6	0	0	0	0.2				
6	0	0	0	1.37	0	0	0	0.1				
7	0	0	0	0	0	0	0					
8	0	0	0	0	0	0	+					
9	0	0	0	0	0	0	+					
10	0	0	0	0	0.8	0	+					
11	0	0	0	0	6.3	0	0.1	RECORDER SHUT DOWN IRRIGATION WASTE UNDETERMINED	IRRIGATION WASTE UNDETERMINED	IRRIGATION WASTE UNDETERMINED	IRRIGATION WASTE UNDETERMINED	IRRIGATION WASTE UNDETERMINED
12	0	0	0	0	+	0	0.1					
13	0	0	0	0	0	0	0.2					
14	0	0	0	0	0	0	0.2					
15	0	0	0	0	+	0	0.2					
16	0	0	0	0	8.2	0	+					
17	0	0	0	0	0.4	0	+					
18	0	0	0	0	0	0	+					
19	0	0	0	0	0	0	0					
20	0	0	0	0	0	+	0					
21	0	0	0	0	9.3	+	+					
22	0	0	0	0	1.1	0	+					
23	0	0	0	0	0	0	+					
24	6.4	0	0	0	0	0	0.1					
25	+	0	0	0	0	0	0.1					
26	0	0	0	0	0	0	0					
27	0	0	0	0	0	0	0					
28	0	0	0	0	0	0	+					
29	0	0	0	0		+	0.1					
30	0	0	0	0		0	0.1		+			+
31	0		0	0		0				+	+	
	6.4		0		158.6		1.2		+		+	
		0		137.6				1.0		+		+
MEAN	0.21	0	0	4.44	5.66	+	0.04	0.03	+	+	+	+
ACRE-FEET	13.	0	0	273.	315.	+	2.4	2.0	+	+	+	+

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.84
ACRE-FEET 605.



STATION F307-R
PUDDINGSTONE DIVERSION CHANNEL
SAN DIMAS WATER COMPANY OUTLET
at Juanita Avenue

LOCATION: WATER-STAGE RECORDER, LAT. 34°06'36", LONG. 117°47'25", IN A WEIR BOX ON A TWENTY-FOUR INCH PIPELINE DISCHARGING ON THE LEFT (EAST) BANK OF PUDDINGSTONE DIVERSION CHANNEL 30 FEET BELOW JUANITA AVENUE. ELEVATION OF GAGE ABOUT 1045 FEET.

DRAINAGE AREA: NONE.

RECORDER: A STEVENS TYPE L RECORDER WAS IN SERVICE DURING PERIODS OF OPERATION.

REGULATION: REGULATED BY SAN DIMAS WATER COMPANY AT THE REQUEST OF THE LOS ANGELES COUNTY PARKS AND RECREATION DEPARTMENT. THIS IS FOREIGN WATER FURNISHED BY THE METROPOLITAN WATER DISTRICT.

RECORDS AVAILABLE: JUNE 16, 1953 TO SEPTEMBER 30, 1959.

EXTREMES OF DISCHARGE:
1957-58
NO FLOW ENTIRE YEAR.
1958-59
NO FLOW ENTIRE YEAR.

ACCURACY: EXCELLENT.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT IN COOPERATION WITH SAN DIMAS WATER COMPANY.

STATION F40-R

PUDDINGSTONE CREEK below Puddingstone Dam

LOCATION: WATER-STAGE RECORDER, LAT. 34°05'35", LONG. 117°48'38", ON THE RIGHT (EAST) BANK ABOUT 1000 FEET BELOW PUDDINGSTONE DAM NEAR SAN DIMAS. ELEVATION OF ZERO GAGE HEIGHT 824.80 FEET.

DRAINAGE AREA: 32.3 SQUARE MILES, INCLUDING AREAS CONTROLLED BY SEVERAL DAMS IN THE MOUNTAIN TRIBUTARIES.

CHANNEL AND CONTROL: CHANNEL - SAND, GRAVEL AND PUDDINGSTONE.
CONTROL - REINFORCED CONCRETE CIPOLLETTI WEIR WITH A 25-FOOT CREST AND 3-FOOT DEPTH, AND A CIPOLLETTI WEIR NOTCH IN CENTER WITH A 24-INCH CREST AND 18-INCH DEPTH.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING; HIGH FLOWS MEASURED FROM CABLE CAR AT STATION.

RECORDER: AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1957 TO SEPTEMBER 30, 1959.

REGULATION: FLOW REGULATED BY PUDDINGSTONE DAM.

DIVERSIONS AND/OR REGULATIONS: SAN DIMAS CREEK, WHICH IS REGULATED BY SAN DIMAS DAM AND PUDDINGSTONE DIVERSION DAM, CAN BE DIVERTED TO PUDDINGSTONE RESERVOIR AT PUDDINGSTONE DIVERSION DAM. METROPOLITAN WATER DISTRICT AQUEDUCT OCCASIONALLY SPILLS FLOW INTO PUDDINGSTONE DIVERSION CHANNEL AND RELEASES ZONE 1 WATER INTO LIVE OAK WASH BELOW SEVENTH STREET, LA VERNE WHICH IS MEASURED BY STATION F311-R. SAN DIMAS WATER COMPANY DIVERTS OUTFLOW FROM DAM ABOVE THE STATION AND ALSO RELEASES WATER TO PUDDINGSTONE DIVERSION CHANNEL AT JUANITA STREET STATION F307-R, FOR PURCHASE BY LOS ANGELES COUNTY PARKS AND RECREATION DEPARTMENT.

RECORDS AVAILABLE: DECEMBER 28, 1927 TO SEPTEMBER 30, 1959.

EXTREMES OF DISCHARGE:
1957-58
MAXIMUM 16 SECOND-FEET APRIL 7.
MINIMUM PLUS FLOW AT VARIOUS TIMES.
1958-59
MAXIMUM 11 SECOND-FEET JANUARY 6.
MINIMUM PLUS FLOW VARIOUS TIMES OF YEAR.
1929-59
MAXIMUM 414 SECOND-FEET APRIL 26, 1957.
MINIMUM NO FLOW AUGUST 1951.

ACCURACY: GOOD.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF PUDDINGSTONE CREEK

AT OR NEAR below Puddingstone Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 58

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1057	10/3	1524 / 1526	MIDDLETON	0.8	0.10	1.10	1.52	0.11		.5	5	0	FC49
1058	10/24	0953 / 0956	"	0.9	0.08	1.25	1.54	0.10		.5	4	0	"
1059	11/7	0943 / 0947	"	0.9	0.09	1.22	1.51	0.11		.5	4	0	"
1060	1/29	1530 / 1535	SARASUA	0.6	0.13	0.31	1.54	0.04		.5	3	0	"
1061	2/18	1532 / 1537	"	0.5	0.07	0.57	1.54	0.04		.5	4	0	"
1062	4/22	1605 / 1610	SARASUA-FALCONE	10.0	0.15	0.73	1.56	0.11		.6	6	0	"
1063	5/1	1705 / 1720	FALCONE	4.3	2.29	0.83	1.79	1.9		.6	10	0	FC55
1064	5/6	0845 / 0853	"	2.6	0.68	0.56	1.59	0.38		.5	7	0	"
1065	5/13	1015 / 1030	"	2.4	0.53	0.28	1.59	0.15		.5	7	0	"
1066	5/21	0900 / 0910	FALCONE-COSTELLO	2.7	0.78	0.55	1.71	0.43		.5	8	0	"
1067	5/28	0847 / 0857	FALCONE	2.7	1.22	0.90	1.81	1.1		.5	7	0	"
1068	6/4	0835 / 0845	"	2.7	1.06	0.57	1.78	0.61		.5	7	0	"
1069	6/11	0950 / 1003	"	3.4	1.22	0.52	1.78	0.63		.5	8	+.01	"
1070	6/18	1212 / 1215	"	3.2	1.04	0.51	1.77	0.53		.5	8	0	"
1071	6/25	1125 / 1140	"	3.5	1.50	0.42	1.81	0.63		.5	8	0	"
1072	7/3	1645 / 1650	MC BRIDE - SARASUA	2.8	1.24	0.59	1.72	0.73		.6	7	0	FC49
1073	7/9	1726 / 1732	SARASUA	2.5	1.03	0.49	1.69	0.51		.6	6	0	"
1074	7/14	1251 / 1300	MC BRIDE	2.4	1.03	0.65	1.58	0.67		.5	6	0	FC54
1075	7/17	1626 / 1634	"	2.3	0.89	0.55	1.56	0.49		.5	7	-.01	FC49
1076	7/24	1524 / 1534	"	2.3	1.27	0.87	1.60	1.1		.5	7	0	"
1077	7/31	1428 / 1436	"	2.3	0.99	0.74	1.57	0.73		.5	7	0	"
1078	8/7	1516 / 1524	SARASUA	3.4	1.18	0.41	1.56	0.48		.6	8	0	"
1079	8/14	1350 / 1358	"	3.4	1.41	0.36	1.56	0.51		.6	8	0	"
1080	8/21	1521 / 1526	"	3.0	1.34	0.31	1.55	0.42		.6	7	0	"
1081	8/28	1600 / 1608	"	2.8	1.25	0.37	1.55	0.46		.6	9	0	"
1082	9/4	1656 / 1706	"	2.8	1.14	0.26	1.55	0.30		.6	8	0	"
1083	9/11	1517 / 1525	"	2.9	1.22	0.36	1.58	0.44		.6	9	0	"
1084	9/18	1226 / 1232	"	2.2	0.86	0.14	1.52	0.12		.6	7	0	"
1085	9/25	1247 / 1253	"	1.4	0.25	0.28	1.52	0.07		.6	6	0	"

DISCHARGE MEASUREMENTS OF PUDDINGSTONE CREEK

AT/NEAR below Puddingstone Dam DURING THE YEAR ENDING SEPTEMBER 30, 1959

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	D. INT. CHANGE TOTAL	METER NO.
1086	10/2	1442 / 1444	SARASUA	1.3	0.24	0.29	1.52	0.07		.6	6	0	FC49
1087	10/9	1410 / 1414	"	1.2	0.21	0.33	1.52	0.07		.6	5	0	"
1088	10/16	1328 / 1332	"	1.0	0.18	0.33	1.52	0.06		.6	5	0	"
1089	10/23	1326 / 1330	"	1.1	0.21	0.33	1.53	0.07		.6	5	0	"
1090	10/30	1352 / 1354	"	1.0	0.20	0.35	1.52	0.07		.6	5	0	"
1091	11/6	1631 / 1633	"	1.0	0.21	0.38	1.52	0.08		.6	4	0	"
1092	11/20	1510 / 1516	"	1.3	0.28	0.32	1.53	0.09		.6	6	0	"
1093	11/26	1312 / 1317	"	1.1	0.19	0.31	1.51	0.06		.6	5	0	"
1094	12/4	1349 / 1353	"	1.2	0.22	0.23	1.52	0.05		.6	5	0	"
1095	12/11	1355 / 1359	"	1.2	0.22	0.32	1.52	0.07		.5	5	0	"
1096	12/18	1431 / 1435	"	1.0	0.20	0.35	1.53	0.07		.5	5	0	"
1097	12/26	1605 / 1609	"	1.2	0.20	0.17	1.53	0.04		.5	5	0	"
1098	1/2	1532 / 1534	"	1.5	0.28	0.28	1.52	0.08		.5	6	0	"
1099	1/8	1118 / 1120	"	0.9	0.19	0.32	1.51	0.06		.5	4	0	"
1100	1/15	1550 / 1554	"	0.5	0.10	0.40	1.51	0.04		.5	4	0	"
1101	1/22	1645 / 1646	"	0.5	0.10	0.50	1.51	0.05		.5	3	0	"
1102	1/29	1407 / 1410	"	0.5	0.10	0.70	1.52	0.07		.5	4	0	"
1103	2/6	0823 / 0825	"	0.3	0.07	0.57	1.54	0.04		.5	3	0	"
1104	2/20	0928 / 0929	"	0.4	0.10	0.80	1.52	0.08		.5	3	0	"
1105	2/27	0850 / 0855	"	0.6	0.16	0.38	1.52	0.06		.6	4	0	"
1106	3/6	0934 / 0936	"	0.6	0.15	0.33	1.51	0.05		.6	4	0	"
1107	3/12	1115 / 1120	"	0.6	0.16	0.44	1.53	0.07		.6	4	0	"
1108	3/26	1535 / 1539	"	0.8	0.18	0.28	1.53	0.05		.6	5	0	"
1109	4/2	1531 / 1535	"	0.7	0.15	0.27	1.53	0.04		.5	5	0	"
1110	4/9	1405 / 1407	SARASUA	0.80	0.16	0.44	1.53	0.07		.6	4	0	"
1111	4/16	1716 / 1720	"	0.70	0.16	0.38	1.53	0.06		.5	5	0	"
1112	4/23	1108 / 1111	"	0.60	0.14	0.43	1.53	0.06		.6	4	0	"
1113	4/30	1455 / 1457	SARASUA	0.60	0.13	0.38	1.53	0.05		.6	4	0	FC49
1114	5/7	1512 / 1515	"	1.0	0.23	0.35	1.53	0.08		.6	5	0	"
1115	5/13	1506 / 1510	MC BRIDE	1.0	0.38	0.16	1.53	0.06		.6	3	0	"
1116	5/13	1625 / 1630	"	1.0	0.38	0.24	1.52	0.09		.6	3	0	"
1117	5/21	1250 / 1254	SARASUA	1.0	0.23	0.39	1.52	0.09		.6	5	0	"
1118	5/28	1404 / 1408	MC BRIDE	1.0	0.38	0.18	1.52	0.07		.6	3	0	"
1119	6/4	1250 / 1253	SARASUA	1.0	0.21	0.38	1.52	0.08		.6	5	0	"
1120	6/11	1448 / 1452	MC BRIDE	1.2	0.44	0.16	1.52	0.07		.6	3	0	"
1121	6/17	1645 / 1648	SARASUA	0.90	0.19	0.32	1.52	0.06		.6	4	0	"
1122	6/25	1240 / 1245	"	1.1	0.25	0.32	1.52	0.08		.6	5	0	"
1123	7/2	1542 / 1545	"	0.80	0.16	0.44	1.52	0.07		.6	5	0	"
1124	7/9	1516 / 1520	"	0.90	0.20	0.30	1.52	0.06		.6	4	0	"
1125	7/16	1605 / 1608	"	0.80	0.19	0.37	1.52	0.07		.6	5	0	"
1126	7/23	0731 / 0736	"	0.80	0.18	0.45	1.53	0.08		.6	5	0	"
1127	7/30	1546 / 1550	"	0.80	0.18	0.39	1.52	0.07		.6	5	0	"
1128	8/6	0901 / 0905	"	0.80	0.18	0.39	1.52	0.07		.6	5	0	"
1129	8/13	1354 / 1358	MC BRIDE	1.0	0.38	0.24	1.52	0.09		.6	3	0	"
1130	8/20	1700 / 1705	SARASUA	0.80	0.18	0.33	1.52	0.06		.6	5	0	"
1131	8/27	1255 / 1300	"	0.80	0.16	0.37	1.52	0.06		.6	5	0	"
1132	8/31	1412 / 1416	SARASUA-MC BRIDE	0.80	0.16	0.31	1.52	0.05		.5	5	0	"
1133	8/31	1608 / 1610	" "	1.0	0.36	0.11	1.52	0.04		.5	3	0	"
1134	9/3	1550 / 1555	SARASUA	0.70	0.22	0.18	1.52	0.04		.6	4	0	"
1135	9/10	0945 / 0947	"	0.70	0.26	0.23	1.52	0.06		.6	4	0	"
1136	9/16	1611 / 1612	"	0.90	0.32	0.25	1.52	0.08		.6	3	0	"
1137	9/24	1435 / 1438	"	0.90	0.36	0.19	1.52	0.07		.6	3	0	"

T6D74M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F40-R

Daily discharge, in second-feet of PUDDINGSTONE CREEK below Puddingstone Dam for the year ending September 30, 1958

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.1	0.1	0.1	+	+	0.4	1.6	1.6	1.0 a	0.7	0.7	0.4
2	0.1	0.1	0.1	|	+	0.4	0.7	1.6	1.0 |	0.7	0.7	0.4
3	0.1	0.1	0.1	|	1.7	0.4	1.3	1.2	0.9 |	0.7	0.7	0.4
4	0.1	0.1	0.1	|	5.4	0.4	0.7	1.2	0.9 |	0.6	0.6	0.3
5	0.1	0.1	0.1	|	0.7	0.4	0.6	0.9	1.0 |	0.6	0.6	0.3
6	0.1	0.1	0.1	|	0.3	0.5	0.7	0.5	0.9 |	0.6	0.6	0.3
7	0.1	0.1	0.1	|	0.3	0.4	3.1	0.6	0.9 |	0.6	0.4	0.1
8	0.1	0.1	0.1	|	0.3	0.4	0.7	0.6	0.6 |	0.5	0.4	0.3
9	0.1	0.1	0.1	|	0.3	0.4	0.6	0.4	0.6 |	0.5	0.4	0.4
10	0.1	0.1	0.1	|	0.1	0.4	0.6	0.6	0.6 |	0.5	0.4 a	0.4
11	0.1	0.1	0.1	|	0.1	0.4	0.6	0.6	0.6 a	0.5	0.4 a	0.4
12	0.1	0.1	0.1	|	0.1	0.6	0.4	0.4	0.6 |	0.6	0.6 |	0.4
13	0.1	0.1	0.1	|	0.1	0.4	0.4	0.1	0.6 |	0.6	0.6 |	0.3
14	0.1	0.1	0.1	|	0.1	0.4	0.4	0.1	1.1 |	0.7 a	0.5 |	0.3
15	0.1	0.1	1.6	|	0.1	0.5	0.4	0.5	1.2 |	0.7 |	0.5 |	0.2
16	0.1	0.1	2.3	|	0.1	1.6	0.3	0.7	0.9 |	0.7 |	0.5 |	0.2
17	0.1	0.1	1.5	|	+	0.6	0.3	0.7	0.6 |	0.6 |	0.5 |	0.1
18	0.1	0.1 b	0.3	|	+	0.6	0.3	0.7 a	0.5 |	0.3 |	0.4 |	0.1
19	0.1	0.1 |	0.1	|	1.7	0.6	0.3	0.7 |	0.5 |	0.4 |	0.4 a	0.1
20	0.1	0.1 |	0.1	|	1.2	0.5	0.1	0.7 |	0.5 |	1.6 |	0.4 |	0.1
21	0.1	0.1 |	0.1	|	0.3	0.6	0.1	0.6 |	0.5 |	1.2 a	0.4 |	0.1
22	0.1	0.1 |	0.1	|	0.1	0.7	0.1	0.9 |	0.5 |	1.2 |	0.4 |	0.1
23	0.1	0.1 |	0.1	|	0.1	0.6	0.1	0.9 |	0.6 |	1.2 |	0.4 |	0.1
24	0.1	0.1 b	0.1	+	0.1	0.6	0.2	1.7 |	0.6 |	1.2 |	0.4 |	0.1
25	0.1	0.1 |	+	0.1	0.8	0.6	0.5	1.0 |	0.6 |	1.2 |	0.6 a	0.1
26	0.1	0.1 |	|	1.8	0.4	0.4	0.1	0.9 |	0.6 |	1.2 |	0.6 |	0.1
27	0.1	0.1 |	|	0.4	0.4	0.6	0.1	0.9 |	0.6 |	1.2 |	0.4 |	0.1
28	0.1	0.1 |	|	0.1	0.4	0.6	0.6	1.0 |	0.6 |	1.0 |	0.4 |	0.1
29	0.1	0.1 |	|	+	|	0.6	0.6	1.0 |	0.7 |	1.0 |	0.4 |	0.1
30	0.1	0.1 |	|	+	|	0.6	0.7	1.0 a	0.7 |	0.9 |	0.4 a	0.1
31	0.1	|	+	+	|	0.6	|	1.0 |	|	0.7 |	0.4 |	|
	3.1	3.0	7.7	2.4	15.2	16.8	17.2	25.3	21.5	24.7	15.1	6.5
MEAN	0.10	0.10	0.25	0.08	0.54	0.54	0.57	0.82	0.72	0.80	0.49	0.22
ACRE-FEET	6.1	6.0	15.0	4.8	30.	33.	34.	50.	43.	49.	30.	13.0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.44
ACRE-FEET 314.

74D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F40-R

Daily discharge, in second-feet of PUDDINGSTONE CREEK below Puddingstone Dam, for the year ending September 30, 1959

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.07	0.07	0.05	0.08	0.07	0.06	0.04	0.05	0.08	0.07	0.07	0.04
2	0.07	0.07	0.05	0.08	0.06	0.05	0.04	0.06	0.08	0.07	0.07	0.04
3	0.07	0.07	0.05	0.08	0.06	0.05	0.04	0.06	0.08	0.07	0.07	0.04
4	0.07	0.08	0.05	0.08	0.05	0.05	0.04	0.07	0.08	0.07	0.07	0.04
5	0.07	0.08	0.05	0.08	0.04	0.05	0.05	0.07	0.08	0.07	0.07	0.05
6	0.07	0.08	0.05	1.3	0.04	0.05	0.05	0.08	0.08	0.06	0.07	0.05
7	0.07	0.08	0.06	0.06	0.04	0.05	0.06	0.08	0.08	0.06	0.07	0.06
8	0.07	0.08	0.06	0.06	0.04	0.06	0.07	0.08	0.07	0.06	0.07	0.06
9	0.07	0.08	0.07	0.06	0.04	0.06	0.07	0.08	0.07	0.06	0.07	0.06
10	0.07	0.09	0.07	0.06	0.04	0.07	0.07	0.07	0.07	0.06	0.08	0.06
11	0.07	0.09	0.07	0.05	1.5	0.07	0.07	0.06	0.07	0.06	0.08	0.06
12	0.07	0.09	0.07	0.05	0.3	0.07	0.07	0.06	0.07	0.06	0.09	0.06
13	0.06	0.09	0.07	0.04	0.1	0.07	0.06	0.07	0.07	0.07	0.09	0.07
14	0.06	0.09	0.07	0.04	0.1	0.07	0.06	0.09	0.07	0.07	0.09	0.07
15	0.06	0.09	0.07	0.04	0.1	0.07	0.06	0.09	0.06	0.07	0.09	0.08
16	0.06	0.09	0.07	0.04	2.7	0.07	0.06	0.09	0.06	0.07	0.08	0.08
17	0.06	0.09	0.07	0.04	0.4	0.06	0.06	0.09	0.06	0.07	0.07	0.08
18	0.07	0.09	0.07	0.04	0.1	0.06	0.06	0.09	0.06	0.07	0.06	0.08
19	0.07	0.09	0.07	0.05	0.09	0.06	0.06	0.09	0.06	0.07	0.06	0.08
20	0.07	0.09	0.07	0.05	0.08	0.06	0.06	0.09	0.06	0.08	0.06	0.08
21	0.07	0.09	0.06	0.05	0.08	0.05	0.06	0.09	0.06	0.08	0.06	0.07
22	0.07	0.08	0.06	0.05	0.06	0.05	0.06	0.09	0.07	0.08	0.06	0.07
23	0.07	0.07	0.05	0.05	0.07	0.05	0.06	0.09	0.07	0.08	0.06	0.07
24	0.07	0.07	0.05	0.05	0.07	0.05	0.06	0.09	0.08	0.08	0.06	0.07
25	0.07	0.06	0.04	0.06	0.06	0.05	0.06	0.08	0.08	0.08	0.06	0.07
26	0.07	0.06	0.04	0.06	0.06	0.05	0.06	0.08	0.08	0.08	0.06	0.07
27	0.07	0.06	0.05	0.07	0.06	0.05	0.05	0.07	0.08	0.08	0.06	0.07
28	0.07	0.06	0.05	0.07	0.06	0.05	0.05	0.07	0.08	0.07	0.06	0.07
29	0.07	0.06	0.06	0.07		0.05	0.05	0.07	0.08	0.07	0.06	0.07
30	0.07	0.06	0.07	0.07		0.05	0.05	0.07	0.08	0.07	0.05	0.07
31	0.07		0.07	0.07		0.05		0.07		0.07	0.05	
	2.12		1.86		6.49		1.71		2.17		2.12	
		2.35		3.05		1.76		2.39		2.18		1.94
MEAN	0.07	0.08	0.06	0.10	0.23	0.06	0.06	0.08	0.07	0.07	0.07	0.06
ACRE-FEET	4.2	4.7	3.7	6.0	13.0	3.5	3.4	4.7	4.3	4.3	4.2	3.8

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.08
ACRE-FEET 59.8

STATION F192B-R
RIO HONDO at Lower Azusa Road

LOCATION: WATER-STAGE RECORDER, LAT. 34°05'31", LONG. 118°01'51", ON THE RIGHT (WEST) BANK ABOUT 300 FEET DOWNSTREAM FROM LOWER AZUSA ROAD AND ABOUT 1.5 MILES NORTH OF EL MONTE. ELEVATION OF ZERO GAGE HEIGHT, 278.73 FEET. FORMER STATION F192-R WAS ON THE LOWER AZUSA ROAD BRIDGE.

DRAINAGE AREA: 40.9 SQUARE MILES. (EXCLUDES DRAINAGE ABOVE SANTA FE DAM.)

CHANNEL AND CONTROL: CHANNEL - CLAY, SAND AND GRAVEL. NO ARTIFICIAL CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING; HIGH FLOWS MEASURED FROM CABLE CAR BELOW THE STATION.

RECORDER: AN A.U. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1957 TO MAY 7, 1958. A STEVENS TYPE A-35 RECORDER AT STATION F192B-R WAS IN SERVICE FROM DECEMBER 18, 1958 TO SEPTEMBER 30, 1959.

REGULATIONS: FLOW PARTIALLY REGULATED BY SIERRA MADRE DAM, BIG SANTA ANITA DAM, SAWPIT DAM, ALSO SPILLWAY AND DIVERSION AT SANTA FE DAM.

DIVERSIONS: THE CITY OF MONROVIA DIVERTS WATER FROM MONRIVIA CREEK AND SAWPIT CREEK. THE CITY OF SIERRA MADRE DIVERTS WATER FROM LITTLE SANTA ANITA CANYON. FLOW FROM SAN GABRIEL RIVER BELOW SANTA FE DAM IS OCCASIONALLY DIVERTED TO RIO HONDO. THERE ARE ALSO SEVERAL DIVERSIONS FOR IRRIGATION AND SPREADING GROUNDS.

RECORDS AVAILABLE: FEBRUARY 22, 1932 TO MARCH 29, 1932 - STREAM MEASUREMENTS ONLY. AT STATION F192-R RECORDER RECORDS FROM MARCH 29,1932 TO MAY 7, 1958 AND FROM DECEMBER 18, 1958 TO SEPTEMBER 30, 1959. (FOR RECORDS PRIOR TO MARCH 29, 1932, SEE STATE DIVISION OF WATER RIGHTS BULLETIN.)

EXTREMES OF DISCHARGE:
1957-58
MAXIMUM 1532 SECOND-FEET FEBRUARY 19.
MINIMUM NO FLOW PART OF YEAR.
1958-59
MAXIMUM 1530 SECOND-FEET JANUARY 6.
MINIMUM NO FLOW SEVERAL DAYS EACH MONTH.
1932-59
MAXIMUM 31,000 SECOND-FEET ESTIMATED MARCH 2, 1938.
MINIMUM NO FLOW MOST OF YEAR FOR SEVERAL YEARS.

ACCURACY: FAIR.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF RIO HONDO

AT ~~NEAR~~ Lower Azusa Road DURING THE YEAR ENDING SEPTEMBER 30, 19 56

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
761	11/2	0055 / 0100	ROY-FALCONE	. CHANNELS			4.66	11.1		.6	15	0	FC51
762	11/5	1850 / 1855	WADDICOR-FALCONE	1.3	0.20	0.65	4.37	0.13		.6	4	0	FC37
763	12/5	1628 / 1644	ROY-ROBINSON	59.0	64.2	3.04	5.48	195.		.6	14	-.22	FC51
764	12/5	1845 / 1854	" "	14.7	4.82	1.54	4.60	7.4		.5 / .6	9	-.04	"
765	1/26	1344 / 1353	WADDICOR-GARCIA	27.0	18.3	1.96	5.10	35.8		.6	12	-.08	FC36
766	2/3	1237 / 1245	" "	26.7	13.5	1.80	5.10	24.3		.6	11	-.08	FC42
767	2/4	0711 / 0723	" "	55.0	47.1	3.78	5.71	178.		.6	8	-.07	"
768	2/5	1437 / 1447	" "	12.3	8.36	1.92	4.98	16.1		.6	8	0	"
769	2/9	1037 / 1047	WADDICOR-BROOK	57.0	75.0	4.17	5.95	313.		.6	9	+.02	"
770	2/10	1117 / 1132	WADDICOR-BOWMAN	45.5	54.6	4.23	5.67	231.		.6	18	0	"
771	2/17	1042 / 1059	WADDICOR	52.0	77.2	3.56	5.23	275.		.6	18	1.00	"
772	2/19	1150 / 1200	ROY-GARCIA	73.0	170.	4.19	6.27	713.		.6	10	0	FC51
773	2/19	1723 / 1732	" "	22.0	15.0	2.48	3.95	37.2		.5 / .6	13	-.02	"
774	2/20	1600 / 1610	" "	11.0	3.81	1.23	3.48	4.7		.5 / .6	9	0	FC52
775	2/22	1117 / 1147	ROY-TWITTY	45.0	72.9	4.57	5.00	333.		.6	25	0	FC51
776	2/25	1207 / 1214	WADDICOR-GARCIA	2.3	0.57	1.10	3.15	0.63		.6	5	0	"
777	2/26	1150 / 1205	" "	68.0	72.0	2.93	4.78	211.		.6	19	-.04	"
778	2/28	1018 / 1042	ROY	41.0	52.6	3.48	4.49	183.		.6	23	0	FC26
779	3/6	0835 / 0850	WADDICOR	42.0	55.2	2.74	4.07	151.		.6	10	-.05	FC51
780	3/12	0945 / 1002	"	44.0	69.2	2.32	4.00	161.		.6	12	0	"
781	3/21	1027 / 1033	WADDICOR-GARCIA	4.5	1.44	1.04	2.10	1.5		.5	6	0	FC26
782	3/22	1445 / 1455	" "	25.3	18.0	2.00	3.07	35.9		.6	10	0	"
783	4/4	0910 / 0920	" "	44.0	47.4	4.41	3.95	209.		.6	11	0	"

DISCHARGE MEASUREMENTS OF RIO HONDO

AT ~~NEAR~~ Lower Azusa Road DURING THE YEAR ENDING SEPTEMBER 30, 19 59

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1	1/6	0005 / 0018	ROY-PETERSEN	83.0	56.8	2.89	0.69	164.		.6	12	-.04	FC51
2	1/6	0044 / 0056	" "	82.5	72.6	4.90	0.79	356.		.6	11	+.04	"
3	1/6	0345 / 0354	" "	84.0	83.1	4.07	0.86	338.		.6	11	-.13	"
4	1/6	0620 / 0629	" "	85.0	95.5	4.95	1.25	473.		.6	8	-.30	"
5	2/4	1100 / 1107	WADDICOR	2.5	0.26	0.73	0.11	0.19		.5	6	0	FC52
6	2/8	1252 / 1300	ROY	81.5	41.5	3.90	0.65	162.		.5 / .6	11	0	FC51
7	2/11	0310 / 0315	ROY-PETERSEN	82.0	63.0	4.43	0.81	279.		.6	8	0	"
8	2/11	0434 / 0440	" "	83.0	88.0	5.80	1.18	510.		.6	8	-.12	"
9	2/11	0631 / 0637	" "	85.0	92.8	5.67	1.12	526.		.6	8	+.33	"
10	2/11	0655 / 0704	" "	83.0	90.3	8.45	1.31	763.		.6	7	-.17	"
11	2/16	0513 / 0524	PETERSEN-ROY	CHANNELS			0.59	91.1		.6	12	-.01	"
12	2/16	1132 / 1137	ROY-PETERSEN	83.0	59.6	5.13	0.87	306.		.6	11	+.03	"
13	2/21	1135 / 1140	" "	80.0	34.5	3.72	0.63	128.		.6	11	-.03	"

SECTION C(b) 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F182-R

Daily discharge, in second-feet of RIO HONDO at Lower Azusa Road for the year ending September 30, 19 56

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	185	296	0				
2	0	12	0	0	6.4	90	38	0				
3	0	2.5	0	0	132	87	264	0				
4	0	+	6.1	0	302	173	410	0				
5	0	1.7	39	0	19	193	b 735	0				
6	0	0	0	0	16	107	600	0				
7	0	0	0	0	+	141	336	0				
8	0	0	0	0	288	129	270					
9	0	0	0	0	306	163	95					
10	0	0	0	0	257	188	17					
11	29	0	0	0	309	173	b 10					
12	0	0	0	0	287	149	0					
13	6.9	0	0	0	418	b 110	0					
14	11	0	0	0	331	b 104	0					
15	0	0	72	0	276	118	0					
16	0	0	33	0	272	237	0					
17	0	0	62	0	317	b 75	0					
18	0	0	0	0	294	114	0					
19	0	0	0	0	306	72	0					
20	15	0	0	0	8.6	b 1.5	0					
21	1.6	0	0	0	5.5	17	0					
22	0	0	0	0	211	71	0					
23	0	0	0	0	325	32	0					
24	0	0	0	0	220	4.9	0					
25	0	0	0	61	97	+	0					
26	0	0	0	78	185	0	0					
27	0	0	0	0	197	68	0					
28	0	0	0	0	185	0.8	0					
29	0	0	0	0		0	0					
30	0	0	0	0		0.6	0					
31	15		0	0		5.2						
	65.0	16.2	232.1	139	5570.5	2809.0	3071	0	0	0	0	0
MEAN	2.10	0.54	7.49	4.48	199.	90.6	102.	0	0	0	0	0
ACRE-FEET	129.	32.	460.	276.	11,050.	5570.	6090.	0	0	0	0	0

RECORDER REMOVED

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 32.6
ACRE-FEET 23,610.

76D74M C4b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

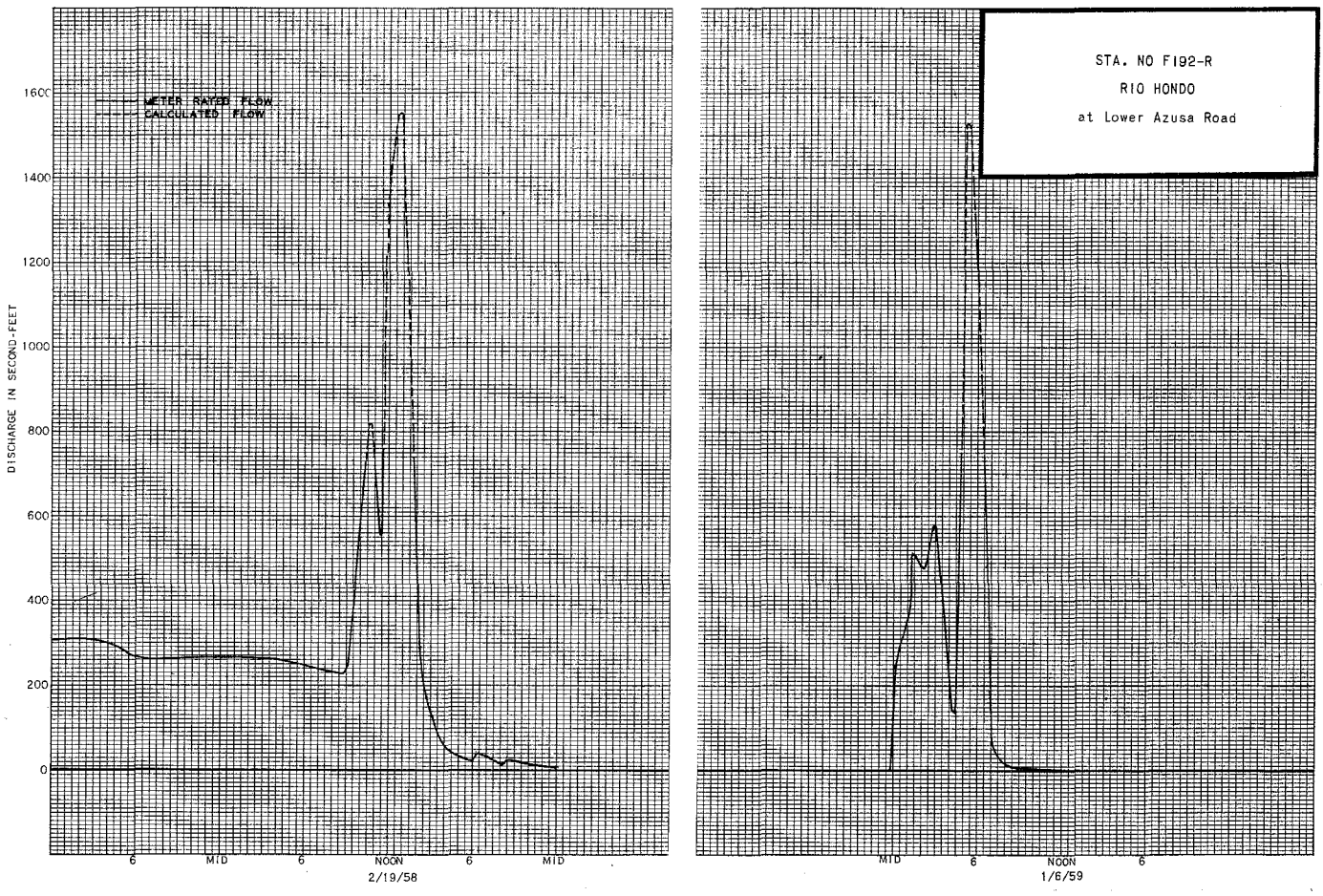
Sta. No. F192B-R

Daily discharge, in second-feet of RIO HONDO at Lower Azusa Road, for the year ending September 30, 19 59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1				0	+	0	+	0.5	0	0	0	0
2				0	+	0	0	0	0	+	0	0
3				0	+	0	0	0	0	+	0	0
4				0	0.1	0	0	0	0	+	0	0
5				+	0.1	0	0	0	0	0	0	0
6				17.8	0.1	0	0	0	0	0	0	0
7				2.6	0.1	0	0	0	0	0	0	0
8				0.7	3.4	0	0	0	0	0	0	0
9				0.4	+	+	0	0	0	0	0	0
10				+	0.6	0	0	0	0	0	0	0
11			NO RECORDER	0	15.4	0	0	0	0	0	0	0
12				0	8.6	0	0	0	0	0	0	0
13				0	0	0	0	0	0	0	0	0
14				0	0	0	0	0	0	0	0	0
15				+	0.5	0	0	+	0	0	0	0
16				+	21.8	0	0	0	+	0	0	0
17				0	1.0	0	0	0	+	0	0	0
18			0	0	0	0	0	0	0	0	0	0
19			0	0	0	0	0	0	0	0	0	0
20			0	0	0	0	0	0	0	0	0	0
21			0	0	17.5	0	0	0	0	0	0	0
22			0	0	+	0	0	+	0	0	0	0
23			0	0	0	0	0	0	0	0	0	0
24			0	0	0	0	0	0	0	0	0	0
25			0	0	0	0	6.9	0	0	0	0	0
26			0	0	0	0	12.5	0	0	0	0	0
27			0	+	0	0	2.1	0	0	0	0	0
28			0	———	0	0	3.8	0	0	0	0	0
29			0	———	———	0	0.8	0	0	0	0	0
30			0	———	———	0	0.8	0	0	0	0	0
31			0	+	———	0	———	0	———	0	0	———
	0		+		434.8		26.9		+		0	
		0		180.7		+		0.5		+		0
MEAN	0	0	+	5.83	15.8	+	0.90	0.02	+	+	0	0
ACRE-FEET	0	0	+	358.	877.	+	53.	1.0	+	+	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 1.76
ACRE-FEET 1290.



STATION E326-R
RIO HONDO below Carvey Avenue

LOCATION: WATER-STAGE RECORDER. LAT. 34°03'30", LONG. 118°04'15", ON RIGHT (WEST) BANK 0.3 MILE BELOW GARVEY AVENUE, 0.4 MILE BELOW RUBIO WASH AND 2.2 MILES WEST OF EL MONTE. ELEVATION OF GAGE ABOUT 220 FEET.

RECORDS AVAILABLE: FEBRUARY 1956 TO SEPTEMBER 1959.

EXTREMES OF DISCHARGE:
1957-58
MAXIMUM 6650 SECOND-FEET FEBRUARY 19. (GAGE HEIGHT, 4.40 FEET).
MINIMUM NO FLOW ON MANY DAYS.
1958-59
MAXIMUM 8150 SECOND-FEET JANUARY 6. (GAGE HEIGHT 4.90 FEET).
MINIMUM: NO FLOW ON MANY DAYS.
1956-59
MAXIMUM 8150 SECOND-FEET JANUARY 6, 1959.
MINIMUM NO FLOW AT VARIOUS TIMES.

REMARKS: RECORDS GOOD TO 100 CFS AND POOR ABOVE. FLOW FROM SAN GABRIEL RIVER BELOW SANTA FE DAM IS OCCASIONALLY DIVERTED TO RIO HONDO.

COOPERATION: RECORDS FURNISHED BY UNITED STATES GEOLOGICAL SURVEY, WATER RESOURCES BRANCH. FORTY-EIGHT FLOW MEASUREMENTS FURNISHED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF RIO HONDO

AT/NEAR below Garvey Avenue DURING THE YEAR ENDING SEPTEMBER 30, 19 58

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATINGS	METHOD	MEAS. SEQ. NO.	G. HT. CHANGE TOTAL	METER NO.
77	10/2		U.S.G.S.				1.02	0.03		FLUME			
78	10/2	1105 / 1110	WADDICOR	1.0	0.07	0.57	1.05	0.04		.5	5	0	FC52
79	10/10	0826 / 0842	"	5.0	0.54	0.63	1.11	0.34		.5	11	0	"
80	10/17		U.S.G.S.				1.04	0.09		FLUME			
81	11/4		"	5.2	0.69	0.84	1.10	0.58		.5	18	0	
82	11/5		"	5.6	2.04	1.84	1.32	3.76		.5/.6	21	-.03	
83	11/18		"				1.02	0.05		EST.		0	
84	11/26		"				1.04	0.10		EST.		0	
85	12/18		"	1.1	0.11	0.91	1.05	0.10		.5	7	0	
86	12/19	0820 / 0823	WADDICOR	1.4	0.08	0.50	1.04	0.04		.5	3	0	FC52
87	12/31		U.S.G.S.				1.02	0.03		EST.		0	
88	1/15		"				1.02	0.01		EST.		0	
89	1/30		"	5.4	1.86	2.05	1.28	3.82		.5/.6	19	-.04	
90	2/3		U.S. C. OF E.	156.	247.	7.35	2.41	1820.			11	-.07	
91	2/4		" "	156.	219.	6.59	2.40	1440.			11		
92	2/4		" "	156.	201.	6.02	2.38	1210.				-.21	
93	2/8	1540 / 1606	WADDICOR-BROOK	154.	139.	5.22	2.31	726.		.6	20	0	FC42
94	2/9	0916 / 0942	" "	76.3	56.7	5.08	2.22	288.		.6	22	0	"
95	2/13		U.S.G.S.	152.	92.6	3.92	2.21	363.		.6	31	+.01	
96	2/19		U.S. C. OF E.	163.	402.	9.32	3.72	3740.			11	+.91	
97	2/19		" "	162.	517.	10.78	3.98	5500.			9	-.81	
98	2/20		U.S.G.S.	5.9	2.56	4.45	1.55	11.4		.5/.6	13	-.10	
99	2/22	1240 / 1320	ROY-TWITTY	152.	76.2	3.92	2.23	299.		.6	33	-.04	FC51
100	2/24		U.S.G.S.	151.	87.2	4.21	2.26	367.		.5/.6	28	0	
101	2/28	1212 / 1236	ROY	78.0	55.2	3.37	2.03	186.		.6	19	0	FC26
102	3/10	1525 / 1550	WADDICOR	68.0	58.8	2.81	1.95	165.		.6	16	0	FC51
103	3/12	1022 / 1042	"	70.0	54.8	2.83	2.14	155.		.6	17	0	"
104	3/19		U.S.G.S.	150.	55.9	2.45	1.97	137.		.5	29	0	
105	3/27		"	5.9			1.48	8.35		.5/.6	11	+.17	
106	4/1		"	158.	299.	8.83	2.99	2640.			19		
107	4/5		"	152.	176.	5.23	2.37	920.		.6	28	0	
108	4/8	1312 / 1330	WADDICOR-GARCIA	83.0	81.1	3.92	2.31	318.		.6	20	0	FC26
109	4/10	1130 / 1148	WADDICOR	41.0	13.8	2.18	1.78	30.1		.6	13	0	"
110	4/11		U.S.G.S.	116.	13.1	1.06	1.75	13.9		.5	25	-.02	
111	4/25	1047 / 1052	WADDICOR	1.4	0.11	0.91	1.12	0.10		.5	5	0	FC52
112	4/29		U.S.G.S.	0.60	0.07	1.29	1.07	0.09			3	0	
113	5/5		"	0.40	0.04	1.00	1.05	0.04		.5	3	.03	
114	5/14		"	0.90	0.11	0.91	1.06	0.10		.5	4	0	
115	5/29		"				1.07	0.14		FLUME			
116	6/20		"	5.0	0.98	1.67	1.19	1.64		.5	17	0	
117	6/30		"	5.2	1.05	1.83	1.24	1.92		.5	18	0	
118	7/10	0832 / 0840	WADDICOR	8.4	1.36		1.22	1.34		.5	6	0	FC52
119	7/17	0847 / 0852	"	4.0	0.78	0.96	1.09	0.75		.5	5	0	"
120	7/31		U.S.G.S.	5.1	0.94	1.38	1.17	1.30		.5	16	0	
121	8/14	0742 / 0748	ROY	5.4	0.89	1.07	1.15	0.95		.5	8	0	FC52
122	8/14		U.S.G.S.	5.0	1.18	1.74	1.20	2.05		.5	17	+.01	
123	8/21	0838 / 0846	ROY	5.4	1.01		1.15	1.63		.5	8	0	FC52
124	8/28		U.S.G.S.	5.2	1.30	1.68	1.18	2.18		.5	17	+.03	
125	9/9		"	5.2	1.03	1.46	1.22	1.51		.5	18	-.01	
126	9/30		"	5.3	1.49	1.69	1.21	2.52		.5/.6	19	0	

DISCHARGE MEASUREMENTS OF RIO HONDO

~~AT~~ NEAR below Garvey Avenue DURING THE YEAR ENDING SEPTEMBER 30, 19 59

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	E. HT. CHANGE TOTAL	METER NO.
127	10/9	0810 / 0820	ROY	5.4	1.50	1.40	1.22	2.06		.5	8	0	FC52
128	10/16		U.S.G.S.	5.1	1.27	1.78	1.21	2.26		.5	18	0	
129	10/20	0825 / 0835	WADDICOR	5.7	1.70	1.29	1.22	2.22		.5	8	0	FC52
130	10/30		U.S.G.S.	4.9	1.11	1.42	1.18	1.58		.5	17	-.02	
131	11/24		"	1.8	0.18	0.92	1.09	0.17		.5	7	0	
132	12/8		"	3.6	0.35	0.57	1.12	0.20		.5	13	0	
133	12/17		"				1.09	0.06	FLUME				
134	12/31		"				1.12	0.12	"				
135	1/6		"	79.5	9.08	2.22	1.82	20.2	.5 .6	16	-.03		
136	1/7		"	10.9	3.70	3.05	1.62	11.3	.5 .6	19	0		
137	1/8	1136 / 1142	ROY	5.5	1.44	1.72	1.27	2.48	.6	7	0	FC52	
138	1/15	0754 / 0803	"	5.0	0.48	0.69	1.22	0.33	.5	7	0	"	
139	1/21		U.S.G.S.	5.0	0.52	0.62	1.11	0.32	.5	11	0		
140	1/22	0818 / 0823	ROY	4.8	0.37	0.73	1.08	0.27	.5	5	0	FC52	
141	1/29	0800 / 0810	"	5.0	0.69	0.96	1.15	0.66	.5	7	0	"	
142	2/4		U.S.G.S.	5.1	0.86	1.05	1.17	0.90	.5	18	-.01		
143	2/19	0840 / 0850	WADDICOR	5.0	0.73	0.96	1.15	0.70	.5	8	0	FC52	
144	2/26	0915 / 0922	"	5.1	0.55	1.13	1.11	0.63	.5	9	0	"	
145	2/26		U.S.G.S.				1.10	0.04	FLUME				
146	3/5	0920 / 0927	WADDICOR	1.8	0.29	1.58	1.10	0.46	.5	5	0	FC52	
147	3/11		U.S.G.S.	5.1	0.89	1.46	1.17	1.30	.5	13	0		
148	3/12	0910 / 0916	WADDICOR	2.0	0.28	1.80	1.11	0.50	.5	5	0	FC52	
149	3/19	0927 / 0933	"	1.7	0.27	1.52		0.41	.5	5		"	
150	3/26	0920 / 0925	"	2.0	0.16	1.44	1.06	0.23	.5	5	0	"	
151	3/30		U.S.G.S.	5.0	0.57	0.74	1.11	0.42	.5	20	0		
152	4/9	0920 / 0929	WADDICOR	5.0	0.57	0.65	1.13	0.37	.5	7	0	FC52	
153	4/15		U.S.G.S.				1.02	0.05	EST.				
154	4/21		"	4.9	0.66	0.79	1.13	0.58	.5	19	0		
155	4/23	0912 / 0922	WADDICOR	5.0	0.81	1.06		0.86	.5	7	0	FC52	
156	4/27		U.S.G.S.	5.0	0.94	1.49	1.17	1.40	.5	19			
157	5/1		"	5.1	0.56	0.90	1.12	0.50	.5	16	+.01		
158	5/6		"	2.9	0.25	0.64	1.07	0.16	.5	11	0		
159	5/7	0820 / 0829	WADDICOR	5.5	1.26	1.79	1.23	2.26	.5	8	0	FC52	
160	5/14	0814 / 0824	"	5.3	0.57	0.74	1.12	0.42	.5	8	0	"	
161	5/21	0851 / 0859	"	5.0	0.61	1.33	1.12	0.81	.5	7	0	"	
162	5/28	0823 / 0940	"	5.0	0.56	0.71	1.12	0.40	.5	10	0	"	
163	6/4	0822 / 0837	"	5.3	0.66	0.74	1.12	0.49	.5	12	0	"	
164	6/18	0812 / 0825	"	6.0	3.14	4.14	1.57	13.0	.5	7	+.02	FC37	
165	6/18		U.S.G.S.	5.2	1.04	1.32	1.20	1.37	.5	19			
166	6/26	0830 / 0847	BROOK-WADDICOR	5.4	1.37	1.69	1.25	2.32	.5	12	0	FC52	
167	7/9	0813 / 0826	BROOK	6.0	2.54	1.02	1.11	2.59	.5	10	0	"	
168	7/16	0759 / 0816	"	5.9	2.46	1.06	1.22	2.60	.5	10	0	"	
169	7/30	0815 / 0823	WADDICOR	6.0	2.13	1.01		2.15	.5	7	0	"	
170	7/31		U.S.G.S.	5.3	1.15	1.64	1.29	1.89	.5	15	0		
171	8/6	0815 / 0826	WADDICOR	5.6	2.02	1.16	1.31	2.34	.5	7	0	FC52	
172	8/12		U.S.G.S.	5.4	1.43	1.08	1.25	1.54	.5	16	-.01		
173	8/13	0812 / 0822	WADDICOR	5.5	1.85	1.14	1.30	2.10	.5	7	0	FC52	
174	8/20	0850 / 0858	"	5.8	1.42	1.85	1.30	2.63	.5	7	0	"	
175	8/27	0814 / 0824	"	5.6	1.99	1.05	1.30	2.10	.5	7	0	"	
176	8/31		U.S.G.S.	5.0	1.73	1.47	1.33	2.55	.5	12	0		
177	9/3	0855 / 0905	WADDICOR	5.4	1.80	0.99	1.30	1.78	.5	7	0	FC52	
178	9/10	0805 / 0814	"	5.7	2.33	1.10	1.34	2.58	.5	7	0	"	
179	9/16		U.S.G.S.	5.2	1.03	1.46	1.22	1.78	.5	12	0		
180	9/17	0850 / 0900	WADDICOR	5.3	1.16	1.50	1.24	1.74	.5	7	0	FC52	
181	9/24	0752 / 0802	"	5.3	1.22	1.39	1.27	1.70	.5	8	0	"	

F6D74M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. E326-R

Daily discharge, in second-feet of RIO HONDO below Garvey Avenue, for the year ending September 30, 19 59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.8	0.7	0.1	0.1	0.2	152	986	0.1	0.2	1.2	1.8	0.9
2	0.8	196	0.7	0.1	8.7	79	134	0	0.3	0.9	0.7	3.6
3	0.4	32	0.3	0	676	5.9	877	0	0.5	1.0	0.4	3.0
4	0.6	2.3	21	0	1120	39	474	0.6	0.8	0.3	0.9	1.3
5	0.5	20	390	0	36	107	1030	0.4	0.6	0	1.3	1.4
6	0	0.5	1.8	0.1	14	115	1200	0.5	0.9	0	1.3	1.2
7	0.5	0.1	0	0	9.4	5.6	1110	0.1	0.6	0.3	1.4	0.6
8	0	0.2	0	0	246	14	717	0.6	0.2	0.7	1.8	1.0
9	0	0.1	0.2	0.1	420	42	225	0.9	0.6	0.8	0.9	1.6
10	0.1	0.1	0.2	0.4	400	77	27	0.2	0.9	0.9	0.6	1.6
11	249	0.1	0.2	0	519	167	12	0.2	1.3	1.4	1.3	1.6
12	0.7	0.3	0.1	0	415	300	1.9	0.4	1.8	0.9	2.3	1.4
13	72	0.2	0	0	380	164	0.6	0.1	2.4	0.3	4.9	1.0
14	100	0.2	0	0	380	102	0.3	0.3	1.9	1.2	1.8	0.3
15	0.3	0.1	340	0	260	646	0.7	0.8	0.4	2.3	15	0.7
16	0.2	0.2	154	0.1	240	624	0.4	0.8	2.1	1.8	1.6	1.6
17	0.1	0.1	249	0.1	220	121	0.1	0.4	3.6	1.9	1.2	1.4
18	0.1	0.1	0.8	0.2	291	130	0.1	0.1	3.6	2.3	1.9	1.3
19	0.7	0.1	0.1	0	1270	84	0.1	0.7	1.6	1.0	2.1	1.3
20	129	0.2	3.2	0.1	11	231	0	0.9	1.8	0.5	2.4	1.3
21	15	0.2	5.9	0.2	6.6	98	0.1	0.9	0.9	1.3	2.3	0.4
22	0.1	1.4	0.2	0.4	366	209	0.4	0.9	0.3	1.9	2.6	1.7
23	0.1	0.3	0	0.4	684	23	0.4	1.4	1.9	1.8	1.9	3.6
24	0.1	0.2	0	2.8	446	8.2	0.3	0.3	3.4	1.8	1.3	5.4
25	0.2	0.2	0	220	401	1.4	0.4	0.1	3.6	1.6	2.6	2.4
26	0.2	0.2	0	451	197	1.6	0.3	0.6	3.2	0.7	3.8	2.3
27	0.2	0.9	0	0.8	240	263	0.1	0.8	1.6	0.4	3.2	2.3
28	0.3	0.2	0.2	0.1	152	2.6	0.1	0.9	0.6	1.0	2.8	1.8
29	0.2	0.1	0.1	0		1.9	0.1	0.8	0.1	1.4	2.1	1.9
30	1.2	0	0.1	6.6		24	0.1	0.8	0.5	1.6	1.3	2.4
31	113		0.2	1.6		38		0.9		1.6	0.6	
	685.4		1168.4		9408.9		6798.5		422		701	
		2573		6852		3876.2		165		348		523
MEAN	22.1	8.58	37.7	22.1	336.	125.	227.	0.53	1.41	1.12	2.26	1.74
ACRE-FEET	1360.	510.	2320.	1360.	18,660.	7690.	13,480.	33.	84.	69.	139.	104.

Remarks:

YEAR OR PERIOD MEAN 63.3
ACRE-FEET 45,810.

F6D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. E326-R

Daily discharge, in second-feet of RIO HONDO below Garvey Avenue, for the year ending September 30, 19 59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.4	0.4	0.2	0.3	1.0	0.3	1.2	0.6	0.9	0	1.8	1.9
2	2.4	0.5	0.2	0.4	0.9	0.4	1.6	0.2	0.6	0	1.6	1.9
3	2.4	0.8	0.2	0.9	0.8	0.6	2.6	0.2	1.4	0	2.1	1.8
4	2.6	0.4	0.2	0.4	0.7	0.7	1.3	0.2	0.4	0	2.1	1.9
5	2.6	0.6	0.2	26	0.9	0.7	0.3	0.3	1.5	0	2.1	1.9
6	2.4	0.7	0.2	1020	0.8	0.7	0.7	0.6	2.5	2.5	2.3	1.9
7	2.3	1.2	0.2	10	2.2	0.7	0.8	1.2	0.7	2.5	2.1	1.9
8	2.3	0.8	0.2	3.6	139	0.6	0.3	0.9	0.8	2.5	1.9	2.3
9	1.9	0.7	0.2	2.6	71	0.5	0.3	0.2	1.0	2.5	2.1	2.6
10	1.8	5.7	0.5	2.5	22	0.6	0.5	0.2	1.6	2.5	1.9	1.9
11	1.9	3.7	0.8	2.5	255	0.6	0.5	0.8	1.6	2.5	2.1	2.8
12	1.0	0.5	1.2	2.0	7.4	0.9	0.5	0.8	1.4	2.5	1.8	2.8
13	1.9	0.3	0.3	2.0	0.4	0.9	0.5	0.2	0.9	2.5	1.6	11
14	2.1	0.2	0.1	1.5	0.2	0.5	0.5	0.2	0.3	2.5	2.1	2.1
15	2.3	0.1	0.2	1.5	26	0.5	0.5	0.2	1.2	2.5	2.1	1.9
16	2.6	0	0.2	1.6	532	0.4	0.6	0.2	1.6	2.5	1.9	2.1
17	2.3	0	0.1	2.4	13	0.4	0.6	0.2	1.4	2.5	1.9	1.9
18	2.4	0.3	0.2	0.9	0.9	0.4	0.6	0.7	3.1	2.5	1.9	2.1
19	2.1	0.3	0.5	0.7	0.7	0.4	0.6	0.2	1.4	2.5	2.1	2.4
20	2.1	0.2	1.0	1.0	0.3	0.4	0.6	0.8	1.6	2.5	1.9	2.3
21	2.1	0.2	1.0	0.2	88	0.4	0.6	0.3	1.6	2.5	1.9	2.3
22	2.1	0.2	1.0	0.6	1.4	0.4	0.9	0.3	1.6	2.5	1.6	3.2
23	7.4	0.3	1.0	0.4	0	0.2	0.9	0.2	1.6	2.0	1.8	2.4
24	2.1	0.4	1.0	0.5	0.1	0.2	0.9	0.2	1.8	2.0	1.4	2.4
25	1.9	0.4	0.9	1.2	0	0.2	0.9	0.9	1.9	2.0	1.8	2.4
26	1.4	0.4	0.9	1.0	0	0.2	200	0.3	1.9	2.0	1.9	2.8
27	1.3	0.3	0.9	1.0	0.1	0.2	1.0	0.3	1.9	2.0	2.1	2.8
28	1.4	0.3	1.0	0.5	0.2	0.2	1.0	0.8	1.3	2.0	2.6	0.2
29	2.1	0.4	0.2	1.0		0.4	1.0	0.2	0.7	2.0	2.3	2.6
30	1.4	0.2	0.1	2.8		0.4	1.0	0.2	0	2.0	2.1	2.4
31	0.4		0.2	1.0		0.8		0.2		2.0	2.1	
	193.4	20.5	15.1	1093.0	1165.0	15.0	223.3	12.8	40.4	60.5	61.0	77.3
MEAN	6.24	0.68	0.49	35.3	41.6	0.48	7.44	0.41	1.35	1.95	1.97	2.58
ACRE-FEET	384.	41.	30.	2170.	2310.	30.	443.	25.	80.	120.	121.	153.

Remarks:

YEAR OR PERIOD MEAN 8.16
ACRE-FEET 5910.

STATION F64-R
RIO HONDO above Mission Bridge

LOCATION: WATER-STAGE RECORDER, LAT. 34°01'55", LONG. 118°04'18", ON THE RIGHT (WEST) BANK APPROXIMATELY 1000 FEET ABOVE MISSION BRIDGE (SAN GABRIEL BOULEVARD) AND TWO MILES NORTHEAST OF MONTEBELLO. THIS SUPPLEMENTS THE STATION OPERATED FROM 1923 TO 1928 BY THE STATE DIVISION OF WATER RIGHTS AT MISSION BRIDGE. ELEVATION OF ZERO HEIGHT, 194.63 PRIOR TO OCTOBER 15, 1956. AFTER THIS DATE, ELEVATION OF ZERO GAGE HEIGHT IS 192.83.

DRAINAGE AREA: 115 SQUARE MILES (EXCLUDES DRAINAGE ABOVE SANTA FE DAM).

CHANNEL AND CONTROL: CHANNEL - SAND AND SILT, NO ARTIFICIAL CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING; HIGH FLOWS MEASURED FROM CABLE CAR 60 FEET BELOW STATION.

RECORDER: A STEVENS TYPE A-35 CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1957 TO SEPTEMBER 30, 1959.

REGULATION: FLOW PARTIALLY REGULATED BY SIERRA MADRE DAM, BIG SANTA ANITA DAM, SAWPIT DAM, EATON DAM, SANTA FE DAM AND SEVERAL DEBRIS BASINS.

DIVERSIONS: THE CITY OF PASADENA DIVERTS WATER FROM EATON CREEK. THE CITY OF MONROVIA DIVERTS WATER FROM SAWPIT CREEK AND MONROVIA CREEK. THE CITY OF SIERRA MADRE DIVERTS WATER FROM LITTLE SANTA ANITA CANYON. FLOW FROM SAN GABRIEL RIVER IS OCCASIONALLY DIVERTED TO RIO HONDO. THERE ARE ALSO SEVERAL DIVERSIONS FOR IRRIGATION AND SPREADING GROUNDS.

RECORDS AVAILABLE: JULY 1928 TO SEPTEMBER 30, 1959. (FOR RECORDS PRIOR TO JULY 1928 SEE STATE DIVISION OF WATER RIGHTS BULLETINS.) (RECORDS FROM MARCH 6, 1938 TO MARCH 15, 1938 ARE FROM STATION F64B-R.)

EXTREMES OF DISCHARGE:
1957-58
MAXIMUM 12610 SECOND-FEET FEBRUARY 19.
MINIMUM 2.2 SECOND-FEET OCTOBER 16.
1958-59
MAXIMUM 11,000 SECOND-FEET JANUARY 6.
MINIMUM 3.7 SECOND-FEET AUGUST 23.
1928-59
MAXIMUM 28,000 SECOND-FEET, ESTIMATED MARCH 2, 1938.
MINIMUM 1.8 SECOND-FEET SEVERAL DAYS IN OCTOBER 1951.

ACCURACY: FAIR.

REMARKS: WATER PURCHASED FROM METROPOLITAN WATER DISTRICT PASSES THIS LOCATION FOR SPREADING IN THE COASTAL BASIN. DURING 1957-58 THESE IMPORTATIONS TOTALED 63,700 ACRE FEET AND IN 1958-59, 24,070 ACRE FEET.

OPERATION: OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT IN CO-OPERATION WITH THE UNITED STATES GEOLOGICAL SURVEY.

DISCHARGE MEASUREMENTS OF RIO HONDO

~~AT~~ NEAR above Mission Bridge DURING THE YEAR ENDING SEPTEMBER 30, 19 56

NO.	DATE	BEGIN	END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
2024	10/3	0822	0834	WADDICOR	10.4	4.17	1.29	2.31	5.4	.5	.6	9	−.01	FC52
2025	10/10	0956	1008	"	6.2	1.73	1.27	2.18	2.2	.5	.6	8	0	"
2026	10/11	1315	1335	"	54.5	20.1	1.78	2.75	35.8		.6	13	+.10	FC37
2027	10/14	0723	0730	WADDICOR-FALCONE	78.0	56.8	1.37	3.05	78.0		.6	8	−.04	"
2028	10/15	1020	1030	" "	18.0	4.32	0.92	2.75	4.0		.6	10	0	"
2029	10/17	1020	1032	WADDICOR	8.9	3.07	1.37	2.71	4.2	.5	.6	9	0	FC52
2030	10/22	0845	0855	WADDICOR-ROY	12.5	3.86	1.16	2.80	4.5	.5	.6	12	0	FC37
2031	10/24	0932	0943	WADDICOR	13.0	3.70	1.14	2.74	4.2		.6	11	0	FC52
2032	10/31	0845	0852	"	33.0	35.5	1.86	2.81	66.2		.6	10	0	FC37
2033	11/3	0945	1000	FALCONE-ROY	17.6	10.9	1.06	2.72	11.7		.6	17	0	FC51
2034	11/5	1620	1640	WADDICOR-FALCONE	94.0	125.	3.63	3.76	454.		.6	11	+.10	FC37
2035	11/6	1316	1340	FALCONE-WADDICOR	21.5	5.41	1.00	2.66	5.4		.6	12	0	"
2036	11/7	0910	0925	WADDICOR	23.8	5.44	0.97	2.66	5.3		.6	10	0	FC52
2037	11/14	0904	0920	"	23.2	4.90	0.88	2.60	4.3		.6	12	+	"
2038	11/21	0911	0924	"	16.0	4.33	0.97	2.59	4.2	.5	.6	11	0	"
2039	11/27	0910	0925	"	18.0	5.15	1.18	2.62	6.1	.5	.6	13	0	"
2040	12/5	0124	0141	WADDICOR-GARCIA	95.0	239.	6.69	5.04	1600.		.6	12	+.37	FC37
2041	12/5	1030	1042	ROY-ROBINSON	30.0	18.4	1.34	2.79	24.6		.6	14	−.01	FC51
2042	12/5	1602	1615	WADDICOR-GARCIA	99.0	242.	6.20	4.84	1500.		.6	13	−.12	FC37
2043	12/6	1333	1346	ROY	21.0	7.20	0.82	2.63	5.9	.5	.6	12	0	FC52
2044	12/12	0930	0945	WADDICOR	20.0	6.19	0.68	2.55	4.2		.6	13	0	"
2045	12/15	0738	0748	WADDICOR-GARCIA	100.	286.	7.69	5.15	2200.		.6	12	+.51	FC37
2046	12/16	0920	0930	" "	63.0	37.7	1.46	2.98	55.2		.6	15	0	"
2047	12/17	0119	0137	" "	103.	375.	9.41	5.87	3530.		.6	12	−.30	"
2048	12/17	0830	0840	" "	60.0	29.8	1.45	2.88	43.3		.6	13	−.02	"
2049	12/19	0952	1005	WADDICOR	14.0	5.45	1.34	2.50	7.3		.6	11	0	FC52
2050	12/26	0845	0900	ROY	14.7	4.89	1.08	2.42	5.3		.6	11	+	FC51
2051	1/2	1112	1124	"	11.5	3.46	0.95	2.33	3.3		.6	12	0	FC52
2052	1/9	1130	1142	WADDICOR	10.1	3.18	1.22	2.33	3.9		.6	10	0	"
2053	1/16	1028	1040	"	11.0	4.25	1.11	2.35	4.7		.6	12	0	"
2054	1/23	0920	0950	"	87.0	76.4	1.98	3.24	152.		.6	21	0	FC36
2055	1/25	0835	0948	"	14.8	7.41	2.04	2.48	15.1		.6	9	0	"
2056	1/25	2058	2117	WADDICOR-GARCIA	101.	302.	8.68	5.30	2620.		.6	12	+.60	"
2057	1/26	0845	0855	" "	93.	106.	3.22	3.41	341.		.6	11	−.08	"
2058	1/26	1516	1531	" "	91.	139.	2.36	3.65	328.		.6	12	−.15	"
2059	1/27	1030	1040	" "	17.5	7.58	1.37	2.37	10.4		.6	11	0	"
2060	1/28	1318	1348	WADDICOR	41.3	38.9	2.26	2.91	88.		.6	22	+.01	"
2061	1/30	1137	1157	WADDICOR-GARCIA	69.	71.3	2.38	3.16	170.		.6	16	−.02	"
2062	2/3	0955	1006	" "	94.	156.	3.01	3.72	470.		.6	11	−.04	FC42
2063	2/3	2240	2257	" "	98.	313.	7.86	5.11	2460.		.6	12	−.03	"
2064	2/4	0848	0904	" "	99.	347.	7.55	5.15	2620.		.6	12	−.45	"
2065	2/5	0945	1000	" "	CHANNELS			2.16	81.3		.6	16	+.05	"
2066	2/9	0822	0833	WADDICOR-BROOK	88.	101.	4.07	3.42	411.		.6	11	+.01	"
2067	2/10	1538	1558	WADDICOR-BOWMAN	89.0	131.	2.79	3.59	366.		.6	11	0	"
2068	2/17	1330	1340	WADDICOR	95.0	142.	2.96	3.88	420.		.6	12	+.04	"
2069	2/19	0356	0413	ROY-GARCIA	95.0	231.	5.58	4.65	1290.		.6	11	+.30	"
2070	2/19	0602	0616	" "	95.0	235.	7.20	5.04	1690.		.6	12	−.22	"
2071	2/19	1520	1528	" "	86.0	182.	4.19	3.59	763.		.6	11	−.18	FC51
2072	2/20	1105	1120	" "	28.0	20.1	1.29	1.34	26.0		.6	16	−.01	"
2073	2/25	0439	0455	WADDICOR-GARCIA	95.0	308.	7.62	4.66	2350.		.6	12	+.57	"
2074	2/26	0850	0908	WADDICOR-GARCIA	86.0	144.	2.71	3.14	390.		.6	12	0	FC51
2075	2/28	1450	1517	ROY	90.0	136.	2.68	3.11	365.		.6	21	+.01	FC26
2076	3/5	1330	1410	WADDICOR	93.0	129.	2.14	3.14	276.		.6	20	0	FC51
2077	3/6	1050	1102	WADDICOR-GARCIA	92.0	210.	3.00	3.92	629.		.6	12	−.08	"
2078	3/6	1719	1731	" "	95.0	228.	3.54	4.07	808.		.6	13	−.04	"
2079	3/7	0855	0908	" "	18.0	15.7	0.69	1.74	10.4		.6	10	0	"
2080	3/10	1322	1347	WADDICOR	91.0	142.	2.63	3.33	374.		.6	11	0	"
2081	3/11	0925	0935	"	20.0	18.2	0.93	1.94	16.9		.6	11	0	"
2082	3/12	1142	1159	"	96.0	145.	2.01	3.23	292.		.6	12	0	"
2083	3/15	2052	2105	WADDICOR-GARCIA	95.0	193.	7.76	4.43	1500.		.6	11	0	"
2084	3/16	0928	0942	" "	83.0	102.	1.89	2.35	193.		.6	10	0	"
2085	3/20	1920	1935	" "	92.0	263.	5.78	4.38	1520.		.6	11	+.16	FC26
2086	3/20	2017	2032	" "	94.0	229.	5.59	3.94	1280		.6	11	−.17	"
2087	3/21	1320	1330	" "	22.2	10.6	1.31	1.97	13.9		.6	13	0	"
2088	3/22	0024	0045	" "	95.	282.	7.06	4.85	1990.		.6	12	−.81	"
2089	3/22	1135	1147	" "	22.8	26.0	1.72	2.07	44.6		.6	11	+.03	"
2090	3/26	0845	0913	WADDICOR	87.5	94.2	2.28	2.95	215.		.6	20	+.02	"
2091	3/27	1052	1105	WADDICOR-GARCIA	99.0	351.	9.26	5.51	3250.		.6	12	+.17	"
2092	3/31	1528	1542	WADDICOR	93.0	189.	6.42	3.75	1210		.6	11	+.14	"
2093	4/3	0720	0741	WADDICOR-GARCIA	105.	449.	9.60	6.51	4310.		.6	12	−.39	"
2094	4/3	1132	1143	" "	93.0	182.	3.10	3.45	566.		.6	11	−.09	"
2095	4/5	1307	1316	" "	95.0	256.	3.99	4.38	1020		.6	11	0	"
2096	4/6	1225	1248	" "	99.0	328.	8.18	5.36	2680.		.6	12	−.73	"
2097	4/7	0632	0646	" "	102.	291.	8.07	5.28	2340.		.6	12	+.10	"
2098	4/7	1621	1633	" "	89.	135.	2.52	3.54	340.		.6	11	0	"
2099	4/9	1415	1537	WADDICOR-ROY	71.0	70.7	1.81	3.02	128.		.6	20	−.10	"
2100	4/10	1240	1255	WADDICOR	49.0	33.9	1.41	2.66	47.7		.6	14	0	"
2101	4/17	0745	0813	ROY	76.5	79.7	2.08	3.28	165.		.6	21	0	FC51
2102	4/25	1532	1543	WADDICOR	20.5	8.25	1.19	2.35	9.8		.6	14	0	FC26
2103	5/1	0850	0910	"	82.0	63.7	1.62	3.18	103.		.6	18	0	"
2104	5/8	0808	0825	"	88.0	125.	3.54	3.70	283.		.6	12	0	"
2105	5/15	0800	0820	"	75.0	108.	2.44	2.73	234.		.6	15	0	"
2106	5/29	1049	1110	ROY-BROOK	84.0	98.0	2.19	3.70	215.		.6	20	0	FC51
2107	6/5	0920	0940	WADDICOR	64.0	87.1	1.48	3.25	130.		.6	12	0	FC26
2108	6/12	0920	0940	"	47.0	54.2	2.32	3.35	109.		.6	14	0	"
2109	6/19	1050	1111	WADDICOR-BURKE	133.	118.	2.02	3.76	238.		.6	19	0	"
2110	6/26	0840	0900	WADDICOR	54.0	106.	1.70	3.44	180.		.6	13	0	"
2111	7/2	1348	1359	"	CHANNELS			2.64	9.7		.6	15	0	"
2112	7/3	1340	1350	"	"			2.28	8.1		.6	14	0	"
2113	7/10	0953	1003	"	7.90	4.20	1.67	2.35	7.0		.6	10	0	FC52
2114	7/17	0940	0950	"	8.80	3.38	2.13	2.34	7.2		.6	10	0	"
2115	7/23	1359	1410	"	9.40	2.92	2.09	2.38	6.1		.6	11	0	"
2116	7/31	0803	0823	"	86.0	108.	2.10	3.63	227.		.6	13	0	FC26
2117	8/7	0810	0825	"	83.0	98.4	2.22	3.64	218.		.6	12	−.01	"
2118	8/14	0850	0900	ROY	92.0	110.	1.93	3.51	210.		.6	12	+.01	"
2119	8/28	0905	0930	WADDICOR	CHANNELS			2.90	123.		.6	21	0	"
2120	9/4	0920	0942	"	57.0	54.7	2.21	2.90	121.		.6	13	0	"
2121	9/11	0930	0948	"	30.0	21.5	3.58	2.79	77.0		.6	16	0	"
2122	9/18	0917	0935	"	81.0	60.0	1.63	2.75	98.0		.6	12	0	"
2123	9/25	1045	1105	"	81.0	69.4	2.18	2.83	152.		.6	13	0	"

DISCHARGE MEASUREMENTS OF RIO HONDO

~~AT~~ NEAR above Mission Bridge DURING THE YEAR ENDING SEPTEMBER 30, 19 59

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATINGS	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
2124	10/2	1000 / 1020	WADDICOR	26.0	19.4	2.27	2.53	44.1		.6	14	0	FC26
2125	10/16	0858 / 0918	"	32.0	27.4	1.28	2.18	46.1		.6	14	0	"
2126	10/20	0250 / 1405	"	9.8	4.14	1.93		8.0		.6	11	0	FC52
2127	10/23	0845 / 0859	"	24.0	13.3	2.44	2.09	32.4		.6	14	0	FC26
2128	10/30	0845 / 0905	WADDICOR-WALTER	81.0	77.0	1.77	2.80	136.		.6	14	0	"
2129	11/6	0810 / 0832	WADDICOR	83.0	80.6	1.86	2.92	150.		.6	13	0	"
2130	11/20	1125 / 1145	"	81.0	70.2	1.91	2.86	134.		.6	13	0	"
2131	12/4	1005 / 1020	"	CHANNELS			2.48	93.8		.6	17	0	"
2132	12/11	0924 / 0942	"	81.0	77.3	1.43	2.35	110.		.6	16	0	"
2133	12/18	1010 / 1033	"	63.0	61.0	1.64	2.18	100.		.6	16	0	FC37
2134	1/2	1210 / 1225	"	16.8	9.07	1.97		18.0		.6	10	0	"
2135	1/5	2302 / 2337	WADDICOR-FALCONE	93.0	295.	3.66	3.97	1076.		.6	11	+.55	"
2136	1/6	0035 / 0057	" "	95.0	400.	5.35	5.77	2140.		.6	11	+.37	"
2137	1/6	0950 / 1010	" "	81.0	148.	1.42	2.02	210.		.6	11	-.05	"
2138	1/7	1025 / 1035	WADDICOR-GARCIA	CHANNELS			1.30	18.7		.6	17	0	"
2139	1/8	1300 / 1315	ROY	32.0	23.3	0.58		13.5		.6	12	0	"
2140	1/15	0920 / 0934	"	16.0	4.55	1.40		6.4		.5 .6	10	0	FC52
2141	1/22	0925 / 0942	"	13.0	4.76	1.34		6.4		.6	15	0	"
2142	1/29	0925 / 0938	"	CHANNELS				6.7		.5 .6	17	0	"
2143	2/5	0935 / 0958	WADDICOR	83.0	117.	2.36	2.75	276.		.6	12	0	FC37
2144	2/8	0849 / 0933	FALCONE-WADDICOR	86.0	173.	3.68	3.24	636.		.6	11	+.73	"
2145	2/9	1250 / 1305	WADDICOR	15.8	7.56	1.53	1.46	11.6		.6	10	0	"
2146	2/11	0235 / 0310	FALCONE-WADDICOR	95.0	304.	5.96	4.97	1810.		.6	11	-.39	"
2147	2/11	1035 / 1052	" "	85.0	143.	1.17	2.34	167.		.6	11	-.14	"
2148	2/13	0835 / 0855	WADDICOR	84.0	152.	2.44		371.		.6	11	0	"
2149	2/16	1325 / 1358	"	95.0	350.	14.8	6.84	5190.		.6	11	+.88	"
2150	2/16	1410 / 1429	"	105.	474.	11.2	7.07	5290.		.6	12	-.38	"
2151	2/17	1125 / 1136	WADDICOR-STEWART	32.5	21.2	1.32	1.48	28.1		.6	13	0	"
2152	2/19	1025 / 1043	WADDICOR	83.0	129.	2.29	2.51	296.		.6	12	+.01	"
2153	2/21	0900 / 0910	WADDICOR-FALCONE	25.0	9.77	1.04	1.62	10.2		.5	10	0	"
2154	2/21	1153 / 1210	" "	89.0	204.	2.85	3.87	593.		.6	12	-.10	"
2155	2/21	1615 / 1630	" "	84.0	84.0	1.24	2.12	104.		.6	12	-.12	"
2156	2/22	0834 / 0906	" "	CHANNELS			1.62	11.4		.5 .6	22	-.03	"
2157	2/26	1044 / 1104	WADDICOR	CHANNELS			1.54	10.3		.6	20	-.01	FC52
2158	3/5	1000 / 1025	"		"		1.41	7.4		.5 .6	20	0	"
2159	3/12	0942 / 1003	"		"		1.41	7.0		.6	20	0	"
2160	3/19	0956 / 1020	"		"		1.40	6.6		.6	19	0	"
2161	3/26	0950 / 1010	"		"		1.42	10.4		.6	15	0	"
2162	4/3	1000 / 1020	"		"		1.54	12.4		.5 .6	17	0	"
2163	4/9	1004 / 1025	"		"		1.42	6.4		.5 .6	18	0	"
2164	4/23	0944 / 1002	"		"		1.45	6.1		.5	17	0	"
2165	4/30	1100 / 1114	"		"		1.41	16.2		.6	20	0	"
2166	5/7	0945 / 1000	"	14.5	5.66	1.18	1.43	6.6		.5 .6	12	0	"
2167	5/14	0925 / 0940	"	15.0	5.39	1.04	1.49	5.6		.5 .6	12	0	"
2168	5/21	0948 / 1000	"	9.6	3.51	1.77	1.40	6.2		.5 .6	11	0	"
2169	5/28	1057 / 1115	WADDICOR-LINDSAY	18.8	5.59	1.02	1.42	5.7		.5 .6	15	0	"
2170	6/4	0950 / 1006	WADDICOR	19.0	5.32	0.98	1.42	5.2		.5 .6	13	0	"
2171	6/18	1022 / 1052	"	30.0	11.9	1.26	1.62	14.9		.5 .6	12	+.02	"
2172	6/25	0951 / 1005	BROOK-WADDICOR	19.0	5.91	1.20	1.49	7.1		.6	11	0	"
2173	7/2	0951 / 1011	BROOK	21.2	6.16	1.18	1.47	7.3		.5 .6	13	-.02	"
2174	7/9	0944 / 1011	"	CHANNELS			1.46	5.8		.5	21	0	"
2175	7/16	0841 / 0900	"		"		1.44	5.6		.5 .6	14	0	"
2176	7/23	0908 / 0935	WADDICOR		"		1.43	5.7		.5 .6	20	0	"
2177	7/30	0935 / 0955	"		"		1.45	5.9		.5 .6	18	0	"
2178	8/6	0915 / 0943	"		"		1.45	6.1		.5 .6	22	0	"
2179	8/13	0820 / 0840	"		"		1.45	5.6		.5 .6	19	0	"
2180	8/20	0945 / 1003	"		"		1.48	5.0		.5 .6	18	0	"
2181	8/27	0935 / 0955	"		"		1.49	6.0		.5 .6	16	0	"
2182	9/3	0958 / 1012	"	8.3	4.97	1.21	1.57	6.0		.5 .6	10	+.01	"
2183	9/10	0910 / 0920	"	7.0	3.93	1.32	1.57	5.2		.5 .6	8	0	"
2184	9/17	1012 / 1027	"	13.3	4.53	1.10	1.58	5.0		.5 .6	12	0	"
2185	9/24	1015 / 1028	"	11.8	4.18	2.08	1.65	8.7		.6	13	0	"
2186	9/28	1343 / 1407	WOOD	89.0	83.1	1.50	3.11	125.		.5 .6	22	+.04	FC57
2187	9/28	1614 / 1641	"	89.0	145.	1.69	3.76	245.		.5 .6	21	0	"
2188	9/29	1545 / 1605	ROY	82.0	54.8	1.24	2.45	67.9		.6	17	-.01	FC51

76D74M C-b 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F64-R

Daily discharge, in second-feet of RIO HONDO above Mission Bridge, for the year ending September 30, 19 58

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	43	54	46	40	v 66	v 314	v1260	v 113	v 258	v 27	v 21	v 111
2	46	169	46	36	105	220	58	138	269	v 13	208	113
3	32	36	46	36	v 1340	217	1020	186	203	v 13	208	112
4	21	83	85	36	1630	303	521	186	127	7.8	208	112
5	23	47	f 481	36	94	322	895	186	115	6.0	209	112
6	20	46	75	36	150	423	966	203	118	6.2	217	111
7	18	43	50	36	140	221	969	250	116	6.0	223	110
8	23	40	43	40	435	260	286	250	116	6.0	216	112
9	21	43	43	43	436	291	112	248	116	6.2	208	112
10	21	36	43	46	382	344	22	248	118	7.0	208	112
11	235	36	46	32	433	268	87	234	118	7.0	209	111
12	64	36	46	29	425	291	167	223	129	6.6	211	108
13	92	40	43	29	543	273	162	223	127	7.0	219	107
14	132	40	43	40	455	240	157	225	117	6.2	216	106
15	43	40	492	46	412	890	156	226	113	7.4	259	107
16	43	36	150	46	408	882	157	244	151	8.2	219	109
17	40	29	391	32	442	117	157	258	246	9.3	232	109
18	40	36	72	25	v 413	182	194	258	262	8.9	239	109
19	40	40	68	23	1940	229	233	258	245	8.2	261	110
20	v 158	40	87	v 57	v 88	337	232	259	255	7.0	271	109
21	v 21	40	11	136	142	288	222	260	254	7.8	271	106
22	32	43	64	155	339	325	212	259	254	9.3	278	107
23	40	43	60	154	436	235	212	257	211	v 33	281	124
24	43	43	54	148	330	215	136	254	144	109	280	145
25	40	46	50	464	632	212	14	252	166	109	196	159
26	36	57	46	489	342	211	13	254	167	106	117	159
27	32	54	43	46	323	520	13	248	169	106	107	158
28	36	50	46	99	v 311	128	42	229	172	107	108	164
29	36	46	43	140		212	99	220	190	108	110	99
30	36	46	43	158		253	v 113	240	v 137	163	110	v 49
31	v 105		43	v 142		v 249		v 248		v 212	v 110	
	8299		16624		13,212.		8887		5183		6420	
		3706		2256.7		9472		7137		1244.1		3472
MEAN	26.8	12.4	53.6	72.8	472.	306.	296.	230.	173.	40.1	207.	116.
ACRE-FEET	1650.	735.	3300.	4480.	26,210.	18,790.	17,630.	14,160.	10,280.	2470.	12,730.	6890.

Remarks:

YEAR OR PERIOD MEAN 165.
ACRE-FEET 119,320.

FORM Qlb 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

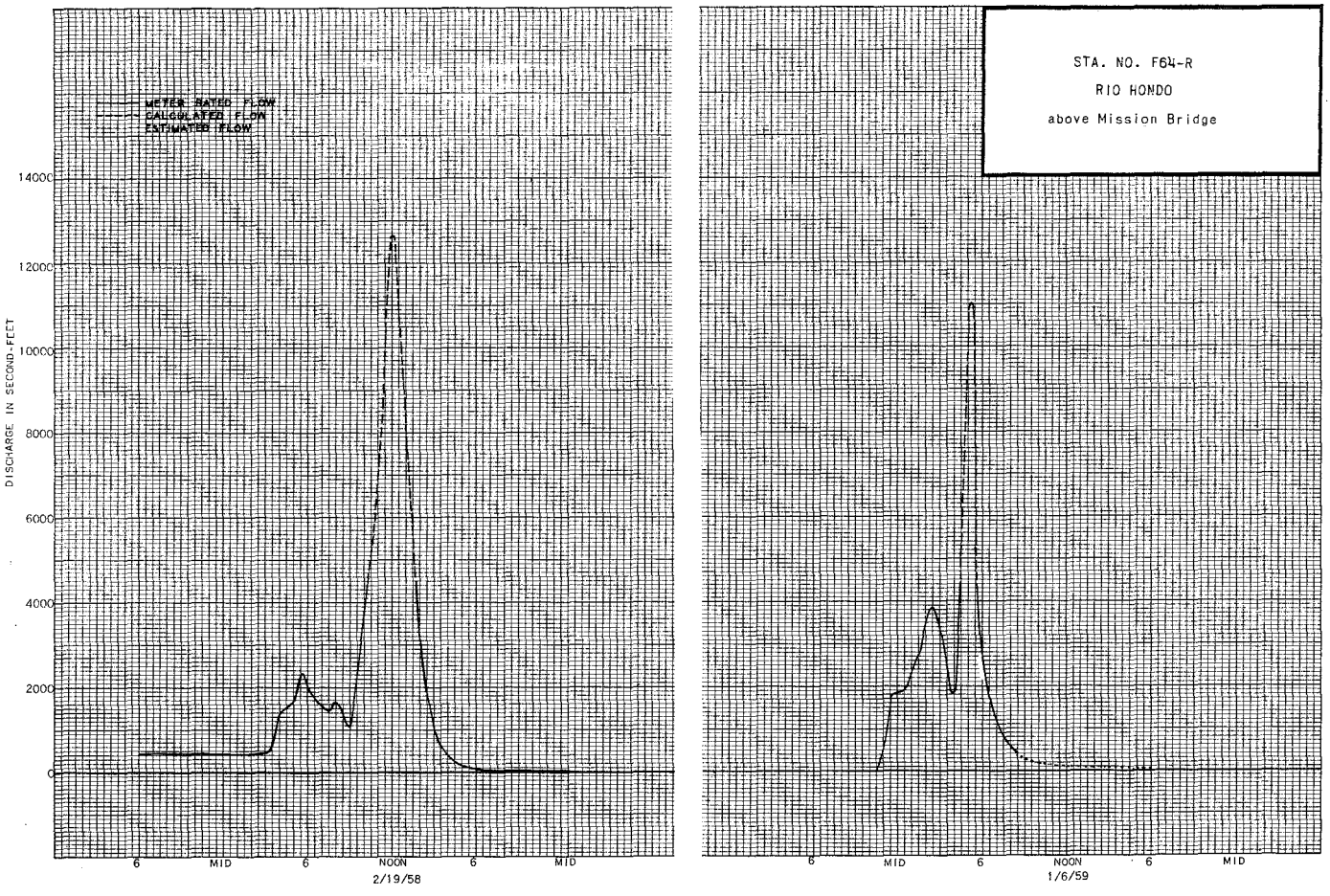
Sta. No. F64-R

Daily discharge, in second-feet of RIO HONDO above Mission Bridge, for the year ending September 30, 19 59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	v 50	v148	v109	b 20	v118	6.6	7.8	5.4	6.0	5.6	5.6	5.6
2	50	150	109	18	180	6.6	7.8	4.7	5.4	7.0	5.4	5.4
3	49	151	110	16	261	7.0	8.9	4.9	6.0	6.0	5.4	5.8
4	49	154	113	b 14	260	7.4	7.8	4.7	5.2	5.4	5.4	5.2
5	50	154	117	62	258	7.4	6.2	5.2	5.8	6.0	5.4	5.4
6	50	155	117	1130	259	7.8	5.6	5.4	6.2	5.4	5.6	5.6
7	50	157	117	b 25	170	8.2	6.6	6.2	5.6	5.4	5.8	5.2
8	50	158	117	14	v300	8.2	6.0	6.0	5.2	4.9	5.8	4.7
9	51	158	117	10	10	8.2	6.2	5.6	5.6	5.6	5.6	4.9
10	51	170	118	8.4	v 32	7.4	6.6	5.4	6.0	5.4	5.6	5.2
11	48	161	119	7.6	v892	7.4	6.6	7.0	6.2	5.2	5.4	5.6
12	47	159	119	7.4	321	7.4	7.0	7.4	6.6	5.4	5.4	6.0
13	49	158	118	7.0	v281	7.8	7.4	5.8	6.2	5.8	5.4	45
14	50	157	117	6.8	268	7.8	8.9	5.6	5.2	5.2	5.6	4.9
15	50	157	117	6.4	v233	7.4	8.5	5.8	5.4	5.4	5.8	4.9
16	49	156	118	6.4	1160	7.4	9.7	6.0	5.8	5.4	5.6	4.9
17	38	156	117	6.4	33	7.4	10	6.0	6.2	5.4	4.9	4.9
18	9.1	156	117	6.4	v114	7.0	9.3	6.2	8.5	5.4	5.6	5.4
19	8.9	157	118	6.4	262	7.0	8.2	6.0	6.0	5.4	5.2	5.8
20	8.8	157	118	6.4	136	8.2	7.4	6.2	6.2	5.4	4.9	6.0
21	8.9	157	118	6.4	v135	8.2	6.2	6.2	6.2	5.6	4.9	5.6
22	18	157	117	6.4	12	8.5	5.6	6.2	6.0	5.8	4.7	7.6
23	v 95	157	118	6.4	v 12	8.9	5.8	6.0	6.6	5.6	4.3	7.8
24	138	149	117	6.4	9.0	9.7	5.8	5.6	7.4	5.6	4.3	8.2
25	v330	128	117	6.5	v 35	9.7	v215	6.2	7.0	5.6	4.9	v 34
26	99	109	117	6.6	10	10	9.6	5.6	7.4	5.2	5.6	60
27	98	108	116	b 6.7	v 9.0	9.7	20	5.6	7.4	5.8	5.6	59
28	111	109	116	v 64	v 9.7	8.5	23	6.6	7.0	5.4	5.8	121
29	134	109	117	119		7.8	19	5.8	6.0	5.2	6.0	98
30	133	v109	116	117		7.6	17	5.6	6.2	5.6	5.6	v 58
31	v137		v 25	v117		7.8		5.6		5.6	5.4	
	2179.7	4421.	3545	1917.2	5878.7	246.2	566.9	180.7	136.5	172.9	155.5	606.8
MEAN	70.3	147.	114.	61.8	210.	7.94	18.9	5.83	6.22	5.58	5.34	20.2
ACRE-FEET	4320.	8770.	7030.	3800.	11660.	488.	1120.	358.	370.	343.	328.	1200.

Remarks:

YEAR OR PERIOD MEAN 55.0
ACRE-FEET 39,800.



STATION F313-R
RIO HONDO BY-PASS CHANNEL
above Whittier Narrows Dam

LOCATION: WATER-STAGE RECORDER ON THE LEFT (SOUTH) BANK OF THE CHANNEL, 400 FEET BELOW DIVERSION HEADWORKS.

CHANNEL AND CONTROL: CHANNEL - SOIL, SAND AND CLAY. ARTIFICIAL CONTROLS BELOW STATION.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM FOOTBRIDGE AT STATION.

RECORDER: A STEVENS TYPE L RECORDER IN SERVICE DURING PERIODS OF OPERATION.

REGULATION: FLOW REGULATED AT HEADWORKS INSTALLED TO DIVERT A PORTION OF ZONE 1 WATER FROM SAN GABRIEL RIVER TO RIO HONDO.

ACCURACY: GOOD.

REMARKS: USED ONLY FOR ZONE 1 PURCHASED WATER DIVERTED TO RIO HONDO SPREADING GROUNDS. THERE WAS NO FLOW DURING THE 1958-59 SEASON.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF RIO HONDO BY-PASS CHANNEL

AT OR NEAR above Whittier Narrows Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 59

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
155	12/7	1115 / 1123	WADDICOR-FALCONE	14.0	9.43	0.24	2.11	2.3		.6	9	0	FC52
156	12/10	1306 / 1324	ROY-WADDICOR	16.5	19.7	0.95	2.71	18.7		.6	11	0	FC37
157	12/12	1355 / 1410	WADDICOR	19.3	22.1	0.93	2.77	20.5		.6	11	0	"
158	12/30	1125 / 1139	ROY	21.7	31.6	1.29	3.20	40.9		.6	13	0	FC51
159	12/31	1430 / 1442	ROY-MINGER	20.0	27.7	1.27	3.04	35.1		.6	12	0	"
160	1/3	1407 / 1420	ROY-BOWMAN	20.0	30.5	1.34	3.18	40.9		.6	12	0	"
161	1/7	1040 / 1102	WADDICOR	21.4	28.9	1.49	3.20	43.0		.6	17	0	FC37
162	1/10	1335 / 1355	"	21.0	28.8	1.51	3.20	43.6		.6	15	0	"
163	1/13	1047 / 1108	"	20.8	31.0	1.50	3.31	46.8		.6	16	0	"
164	4/25	0818 / 0840	WADDICOR-ROY	23.3	54.4	1.80	4.20	97.7		.6	15	0	FC26
165	4/26	0720 / 0753	" "	27.0	74.0	1.92	4.94	142.		.6	17	0	"
166	4/28	0753 / 0834	" "	27.4	81.0	1.96	5.18	159.		.6	18	0	"
167	4/29	0815 / 0935	" "	27.5	82.9	1.98	5.32	164.		.6	18	0	"
168	4/30	0808 / 0834	" "	27.5	82.4	1.97	5.23	162.		.6	18	0	"
169	5/2	0808 / 0834	ROY	22.5	44.1	1.61	3.77	71.0		.6	14	0	FC51
170	5/5	0838 / 0900	WADDICOR-ROY	22.9	42.0	1.62	3.65	68.0		.6	15	0	FC26
171	5/7	0859 / 0918	WADDICOR	22.2	35.0	1.48	3.38	52.5		.6	12	0	FC26
172	5/9	0812 / 0834	ROY	22.0	35.6	1.56	3.43	55.4		.6	13	0	FC51
173	5/12	0808 / 0828	ROY-WADDICOR	22.0	36.0	1.52	3.43	54.9		.6	13	0	FC26
174	5/14	0810 / 0830	ROY	21.0	35.7	1.53	3.41	54.5		.6	13	0	FC51
175	5/16	0823 / 0840	WADDICOR	22.0	33.3	1.35	3.28	45.0		.6	12	0	FC26
176	5/21	0714 / 0734	WADDICOR-ROY	21.5	30.3	1.38	3.15	42.0		.6	13	0	"
177	5/23	0815 / 0834	ROY	20.0	29.2	1.41		41.1		.6	11		FC51
178	5/26	0923 / 0940	"	19.0	27.5	1.33	3.03	36.6		.6	11	0	"
179	5/29	0928 / 0948	ROY-BROOK	23.0	54.2	2.12	4.20	115.		.6	14	0	"
180	6/4	0857 / 0925	WADDICOR	27.0	74.7	2.30	4.99	171.		.6	15	0	FC26
181	6/11	1025 / 1045	ROY	27.0	78.6	2.20	5.02	172.		.6	15	0	FC51
182	6/19	1435 / 1455	"	25.0	68.6	2.18	4.71	150.		.6	14	0	"
183	8/20	1441 / 1455	ROY-WALTON	24.5	53.7	2.10	4.15	113.		.6	14	0	FC26
184	8/22	0905 / 0920	ROY-CLARK	25.5	64.6	2.15	4.56	139.		.6	14	0	"
185	8/23	1005 / 1027	WOOD-ROY	26.9	71.3	2.19	4.74	156.		.6	15	0	FC57

78DF4M Cab 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F313-R

Daily discharge, in second-feet of RIO HONDO BY-PASS CHANNEL above Whittier Narrows Dam for the year ending September 30, 19 59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	42	0	0	0	119	116	0	0	0
2	0	0	0	42	0	0	0	74	117	0	0	0
3	0	0	0	41	0	0	0	74	134	0	0	0
4	0	0	0	41	0	0	0	71	164	0	0	0
5	0	0	e 11	41	0	0	0	70	171	0	0	0
6	0	0	0	42	0	0	0	69	171	0	0	0
7	0	0	19	43	0	0	0	54	171	0	0	0
8	0	0	+	42	0	0	0	55	171	0	0	0
9	0	0	+	43	0	0	0	56	171	0	0	0
10	0	0	18	44	0	0	0	56	172	0	0	0
11	0	0	20	45	0	0	0	55	166	0	0	0
12	0	0	21	47	0	0	0	55	168	0	0	0
13	0	0	21	47	0	0	0	55	175	0	0	0
14	0	0	31	36	0	0	0	55	173	0	0	0
15	0	0	e 23	+	0	0	0	53	170	0	0	0
16	0	0	+	0	0	0	0	46	169	0	0	0
17	0	0	+	0	0	0	0	46	168	0	0	0
18	0	0	0	0	0	0	0	44	165	0	0	0
19	0	0	0	0	0	0	0	44	148	0	15	0
20	0	0	0	0	0	0	0	42	146	0	109	0
21	0	0	0	0	0	0	0	42	143	0	114	0
22	0	0	0	0	0	0	0	41	128	0	143	0
23	0	0	+	0	0	0	0	40	+	0	149	0
24	0	0	—	0	0	0	10	39	0	0	102	0
25	0	0		0	0	0	119	37	0	0	45	0
26	0	0		0	0	0	150	36	0	0	0	0
27	0	0		0	0	0	162	36	0	0	0	0
28	0	0		0	0	0	162	71	0	0	0	0
29	0	0	+	0		0	164	116	0	0	0	0
30	0	0	20	0		0	159	118	0	0	0	0
31	0		28	0		0		116		0	0	
		0		596.0		0		1885.0		0		0
	0		194.9		0		926.0		3477.0		636.5	
MEAN	0	0	6.29	19.2	0	0	30.9	60.8	116.	0	20.5	0
ACRE-FEET	0	0	387.	1180.	0	0	1840.	3740.	6900.	0	1260.	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 21.1
ACRE-FEET 15,300.

STATION F45B-R
RIO HONDO above Stewart and Gray Road

LOCATION: WATER-STAGE RECORDER, LAT. 33°56'46", LONG. 118°09'44", ON THE LEFT (EAST) BANK OF CHANNEL, 0.6 MILE UPSTREAM FROM JUNCTION OF RIO HONDO AND LOS ANGELES RIVER AND ABOUT 1.5 MILES WEST OF DOWNEY. THIS STATION IS NEAR LOCATION OF THE STATION OPERATED FROM 1923 TO 1926 BY THE STATE DIVISION OF WATER RIGHTS. ELEVATION OF ZERO GAGE HEIGHT, 91.4 FEET.

DRAINAGE AREA: 140 SQUARE MILES. (EXCLUDES DRAINAGE ABOVE SANTA FE DAM.)

CHANNEL AND CONTROL: CHANNEL - CONCRETE, 100 FEET WIDE WITH 2.25:1 RIPRAPPED SLOPES. CHANNEL FORMS CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING NEAR GAGE; HIGH FLOWS MEASURED FROM CABLE CAR 15 FEET ABOVE STATION.

RECORDER: AN AU CONTINUOUS RECORDER IN SERVICE FROM OCTOBER 1, 1957 TO SEPTEMBER 30, 1959.

REGULATION: FLOW PARTIALLY REGULATED BY SIERRA MADRE DAM, BIG SANTA ANITA DAM, SAWPIT DAM, EATON DAM, SANTA FE DAM, WHITTIER NARROWS DAM AND SEVERAL DEBRIS BASINS.

DIVERSIONS: THE CITY OF PASADENA DIVERTS WATER FROM EATON CREEK. THE CITY OF MONROVIA DIVERTS WATER FROM MONROVIA CREEK AND SAWPIT CREEK. THE CITY OF SIERRA MADRE DIVERTS WATER FROM LITTLE SANTA ANITA CANYON. THERE ARE ALSO SEVERAL DIVERSIONS FOR IRRIGATION AND SPREADING. FLOW FROM SAN GABRIEL RIVER BELOW SANTA FE DAM IS OCCASIONALLY DIVERTED TO RIO HONDO.

RECORDS AVAILABLE: MARCH 1928 TO APRIL 18, 1951, AND FROM OCTOBER 31, 1951 TO SEPTEMBER 30, 1959. (FOR RECORDS PRIOR TO MARCH, 1928, SEE STATE DIVISION OF WATER RIGHTS BULLETINS.)

EXTREMES OF DISCHARGE:
1957-58
MAXIMUM 10750 SECOND-FEET FEBRUARY 19.
MINIMUM NO FLOW AT VARIOUS TIMES.
1958-59
MAXIMUM 11020 SECOND FEET FEBRUARY 23.
MINIMUM NO FLOW AT VARIOUS TIMES.
1929-59
MAXIMUM 24,400 SECOND-FEET ESTIMATED MARCH 2, 1938.
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: GOOD.

OPERATION: LOCATED AND CONSTRUCTED BY THE CORPS OF ENGINEERS, DEPARTMENT OF THE ARMY. OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT IN COOPERATION WITH THE UNITED STATES GEOLOGICAL SURVEY, WATER RESOURCES BRANCH.

DISCHARGE MEASUREMENTS OF RIO HONDO

NEAR above Stewart and Gray Road DURING THE YEAR ENDING SEPTEMBER 30, 1958

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
148	10/11	0634 / 0644	BROOK-BONADIMAN	102.0	106.	4.72		500.		.6	9	-.15	FC19
149	10/12	0845 / 0853	BONADIMAN	27.0	3.38	1.12	0.21	3.8	FLOATS		5	-.01	
150	10/13	2247 / 2255	BROOK-BONADIMAN	100.0	58.1	3.08	0.81	179.		.6	9	-.04	FC19
151	10/13	2350 / 0006	WOOD-GARCIA	108.0	129.	4.55	1.16	587.		.6	8	+.04	FC57
152	10/14	0420 / 0440	" "	105.0	115.	4.49	1.28	516.		.6	10	-.01	"
153	10/21	0028 / 0047	BROOK-BONADIMAN	102.0	116.	3.90	1.29	453.		.6	9	-.10	FC19
154	10/21	0847 / 0857	" "	82.0	21.6	1.63	0.49	35.3		.5	8	-.02	"
155	10/31	0247 / 0257	" "	64.0	13.0	1.50	0.37	19.5		.5 / .6	6	-.02	"
156	10/31	0415 / 0425	" "	102.0	37.6	2.00	0.62	77.0		.6	8	-.06	"
157	10/31	0500 / 0515	" "	103.0	114.	3.74	1.22	427.		.6	9	0	"
158	11/2	2350 / 0003	" "	103.0	149.	4.38	1.54	652.		.6	8	-.02	"
159	11/5	1732 / 1753	BONADIMAN	102.0	72.0	1.54	0.81	111.		.6	9	-.10	"
160	12/5	0155 / 0208	BROOK-BONADIMAN	101.0	87.5	3.87	0.99	339.		.6	8	-.08	"
161	12/5	0313 / 0328	ROY-ROBINSON	102.0	68.5	3.10	.91	213.		.5 / .6	13	-.07	FC51
162	12/5	1430 / 1440	BROOK-BONADIMAN	56.0	11.4	1.66	.35	18.9		.6	8	-.02	FC61
163	12/15	1221 / 1233	ROY-ROBINSON	105.0	123.	4.60	1.32	565.		.6	13	-.02	FC51
164	12/17	0146 / 0155	BONADIMAN	104.0	192.	6.46	1.84	1240.		.6	8	-.07	FC19
165	12/19	0505 / 1512	BROOK	50.0	7.58	1.50	0.29	11.4	FLOATS			-.02	
166	1/25	2252 / 2305	BROOK-BONADIMAN	106.0	154.	6.59	4.10	1015.		.6	8	+1.82	FC46
167	1/25	2318 / 2328	" "	114.0	330.	7.40	3.05	2445.		.6	7	-.30	"
168	1/30	0850 / 0900	BONADIMAN	33.0	4.65	1.12	0.22	5.2		.6	7	0	FC61
169	2/2	2340 / 2350	BONADIMAN-MOSES	53.0	12.9	1.36	0.35	17.5		.6	6	-.02	FC19
170	2/3	0705 / 0715	" "	112.0	347.	11.0	3.58	3830.		.6	7	-.67	"
171	2/3	2318 / 2325	BROOK-FEIKER	102.0	118.	5.11	1.24	603.		.6	8	-.03	FC35
172	2/4	0245 / 0252	BONADIMAN-MOSES	106.0	204.	8.03	2.36	1640.		.6	8	-.02	FC19
173	2/4	0310 / 0317	" "	108.0	312.	9.90	3.20	3090.		.6	8	0	"
174	2/4	1155 / 1206	BROOK-FEIKER	108.0	234.	7.47	2.20	1750.		.6	8	-.55	FC35
175	2/13	0845 / 0854	BONADIMAN	28.3	2.76	0.61	0.28	1.7		.6	7	0	FC61
176	2/19	0720 / 0730	BROOK-BONADIMAN	106.0	234.	8.20	2.38	1920.		.6	8	+.04	FC19
177	2/20	1835 / 1840	BONADIMAN-BROOK	10.5	0.68	0.43	0.10	0.29		.6	5	0	FC61
178	2/25	0728 / 0738	ROY-FEIKER	112.0	310.	11.1	3.20	3440.		.6	10	-.20	FC26
179	2/25	1118 / 1126	" "	103.0	65.7	3.29	0.85	216.		.6	14	-.10	"
180	2/26	1500 / 1506	BONADIMAN	10.2	0.56	0.50	0.14	0.28		.5	5	0	FC61
181	2/27	0902 / 0908	"	15.2	1.06	0.58	0.12	0.62		.6	4	0	"
182	3/6	1150 / 1220	BROOK-BONADIMAN	101.0	41.5	2.63	0.66	108.		.6	22	-.02 / +.12	FC19
183	3/11	0902 / 0908	BONADIMAN	32.3	5.10	1.22	0.23	6.2		.6	5	0	FC61
184	3/13	0840 / 0847	"	27.2	2.72	0.77	0.16	2.1		.6	6	0	"
185	3/15	1416 / 1431	BROOK-BONADIMAN	102.0	55.9	3.68	0.82	206.		.6	14	-.03	FC19
186	3/15	1500 / 1514	" "	104.0	144.	6.41	1.64	923.		.6	10	-.02	"
187	3/16	0250 / 0313	ROY-FENGLER	116.0	454.	12.0	4.35	5430.		.6	14	-.05	FC26
188	3/17	1602 / 1610	BONADIMAN-BROOK	27.2	2.64	0.61	0.17	1.6		.5	6	0	FC61
189	3/20	2050 / 2105	ROY-FEIKER	105.0	177.	6.84	1.87	1210.		.6	11	-.06	FC51
190	3/22	0907 / 0920	BROOK-BONADIMAN	CHANNELS			0.37	20.9		.6	15	-.02	FC61
191	3/27	1112 / 1125	" "	105.0	176.	6.93	1.93	1220.		.6	13	-.18	FC19
192	3/27	1242 / 1248	ROY-FEIKER	114.0	336.	9.38	3.33	3150.		.6	9	-.35	FC51
193	3/28	1710 / 1720	BONADIMAN	27.3	2.23	0.63	0.16	1.4		.6	7	0	FC61
194	3/31	0842 / 0846	"	24.3	2.22	0.84	0.16	1.7		.6	6	0	"
195	4/1	0810 / 0827	BROOK-BONADIMAN	103.0	117.	5.17	1.31	605.		.6	23	+.10	FC19
196	4/1	1112 / 1118	ROY-FEIKER	110.0	312.	9.26	3.10	2890.		.6	9	-.10	FC51
197	4/2	1558 / 1620	BROOK	100.0	41.1	2.63	0.64	108.		.5	24	-.02	FC19
198	4/3	0532 / 0548	BROOK-BONADIMAN	103.5	168.	6.92	1.85	1160.		.6	13	0	"
199	4/3	0840 / 0857	" "	113.0	337.	9.78	3.47	3290.		.6	13	-.14	"
200	4/4	1705 / 1716	" "	101.0	58.0	3.07	0.79	178.		.6	15	-.02	"
201	4/5	0957 / 1015	" "	104.0	139.	6.00	1.59	834.		.6	15	0	"
202	4/6	1346 / 1356	" "	111.0	297.	8.86	2.98	2630.		.6	10	-.11	"
203	4/7	0752 / 0804	" "	113.0	308.	8.73	3.08	2690.		.6	12	0	"
204	4/17	0840 / 0848	BONADIMAN	12.2	0.48	0.42	0.12	0.20		.6	5	0	FC61
205	5/15	0842 / 0846	"	6.2	0.22	0.74	0.05	0.20		.6	4	0	"
206	6/26	0850 / 0854	"	4.0	0.16	0.50	0.07	0.08		.6	4	0	"
207	8/15	1436 / 1455	"	100.0	36.6	1.95	0.59	71.7		.6	8	-.06	FC19

DISCHARGE MEASUREMENTS OF RIO HONDO

AT above Stewart and Gray Road DURING THE YEAR ENDING SEPTEMBER 30, 19 59

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
208	10/23	0925 / 0932	WALTER-BONADIMAN	26.0	2.30	0.78	0.20	1.8		.6	6	0	FC61
209	10/25	0800 / 0812	BONADIMAN	103.0	108.	4.94	1.22	533.		.6	10	-.28	FC19
210	1/6	0144 / 0200	BROOK-BONADIMAN	103.0	87.6	4.20	1.06	368.		.6	13	+.09	"
211	1/7	1700 / 1715	BONADIMAN-BROOK	78.0	15.3	1.47	0.49	22.5		.6	8	0	FC61
212	1/8	0830 / 0840	BONADIMAN	48.0	9.19	1.51		13.9		.6	7	0	"
213	2/8	0722 / 0734	BROOK-BONADIMAN	102.0	57.8	2.85	0.79	165.		.6	10	-.04	FC19
214	2/9	0912 / 0928	" "	52.5	8.14	2.22	0.43	18.1		.6	13	0	FC61
215	2/11	0235 / 0245	" "	41.0	6.88	1.54	0.28	10.6		.6	7	0	"
216	2/11	0600 / 0610	" "	103.0	76.6	3.79	0.94	290.		.6	10	+.09	FC19
217	2/11	1142 / 1158	ROY-PETERSEN	102.0	45.2	2.64	0.68	1.19		.5 / .6	13	-.03	FC51
218	2/12	1700 / 1712	BROOK-BONADIMAN	28.0	2.47	1.21		3.0		.6	9	0	FC61
219	2/16	0652 / 0706	" "	102.0	61.5	3.35	0.82	206.		.6	15	-.07	FC19
220	2/16	1614 / 1620	" "	103.0	95.0	4.83	1.13	459.		.6	10	-.06	"
221	2/17	1543 / 1550	" "	83.0	20.7	1.80	0.46	37.2		.5 / .6	11	0	"
222	2/18	1110 / 1124	BONADIMAN	53.0	13.2	1.64	0.39	21.7		.6	12	0	FC61
223	2/21	1110 / 1123	BROOK-BONADIMAN	102.0	63.6	3.22	0.84	205.		.6	15	-.02	FC19
224	2/22	0810 / 0820	" "	22.2	1.21	0.58	0.13	0.72		.6	8	0	FC61
225	4/25	2100 / 2112	" "	102.0	65.5	3.33	0.87	218.		.6	11	-.06	FC19

7ED74M C&b 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F45B-R

Daily discharge, in second-feet of RIO HONDO above Stewart and Gray Road, for the year ending September 30, 19 58

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	02	0	0	0.8	2.4	986	0	0	0	0	0
2	0	75	0	0	6.4	4.0	124	0	0	0	0	0
3	0	60	0	0	567	0	921	0	0	0	0	0
4	0	2.7	+	0	1360	0	362	0	0	0	0	0
5	0	21	158	0	1.5	0.6	833	+	0	0	0	0
6	0	3.4	8.9	0	0	110	1040	0	0	0	0	0
7	0	+	0	0	0	1.0	1140	0	0	0	0	0
8	0	0	0	0	4.2	0	76	0	0	0	0	0
9	0	0	0	0	0	0	69	0	0	0	0	0
10	0	0	0	4.8	0	0	0	0	0	0	0	0
11	128	0	0	+	0	75	0	0	0	0	0	0
12	6.6	0	0	0	+	3.4	0	0	0	0	0	0
13	32	0	0	0	0.8	3.9	+	0	0	0	0	0
14	155	0	0	0	0.	2.7	+	+	0	0	0	0
15	0.9	0	286	0	0	469	0.1	0.1	0	0	47	0
16	0	0	10.4	0	0	1180	0.2	+	0	0	1.0	0
17	0	0	262	0	0	2.3	0.2	0	0	+	0	0
18	0	0	0	0	0	+	+	0	0	+	0	0
19	0	0	3.7	0	2230	0	0	0	0	0	0	0
20	38	0	0	0	3.8	157	0	0	0	0	0	0
21	60	0	+	0	0	40	0	0	0	0	0	0
22	0.3	0	0	0	0	367	0	0	0	0	0	0
23	0	0	0	+	0	1.0	0	0	0	0	0	+
24	0	0	0	0.5	0	1.0	0	0	0.7	0	0	+
25	0	0	0	299	620	0.8	0	0	0.9	0	0	0
26	0	0	0	474	0.7	0.7	0	0	0.3	0	0	0
27	0	0	0	0.8	0.6	334	0	0	0	0	0	0
28	0	0	0	1.0	1.8	3.1	0	0	0	0	0	0
29	0	0	0	0.7		2.0	0	0	0	0	0	0
30	0	0	0	4.5		5.8	0	0	0	0	0	0
31	57		0	0.6		2.6		0		0	0	
		1623		7859		2701.8		0.1		+		+
	477.8		729.0		4797.6		5551.5		1.9		48.0	
MEAN	15.4	5.41	23.5	25.4	171.	87.2	185.	+	0.06	+	1.55	+
ACRE-FEET	948.	322.	1450.	1560.	9520.	5360.	11,010.	0.2	3.8	+	95.	+

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 41.8
ACRE-FEET 30,260.

7ED74M C&b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

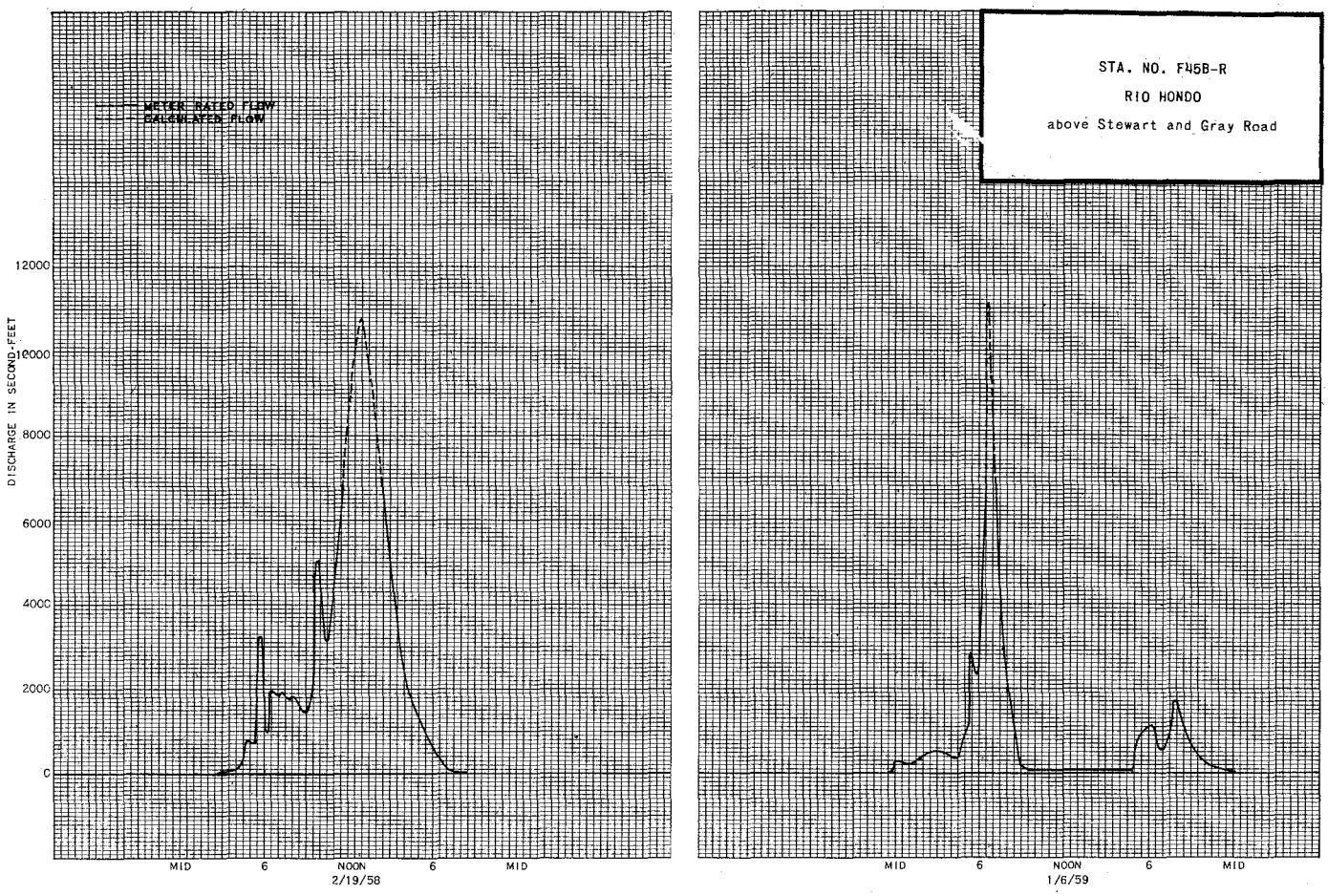
Sta. No. F45B-R

Daily discharge, in second-feet of RIO HONDO above Stewart and Gray Road, for the year ending September 30, 19 59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	0	+	+	0	+
2	0	0	0	0.4	0	0	0	0	0	+	0	|
3	0	0	0	0.1	0	+	0	0	0	+	0	|
4	0	0	0	0	0	+	0	0	0	0	+	|
5	0	0	0	1.6	0	+	0	0	0	0	0	|
6	0	0	0	915	0	+	0	0	0	0	0	|
7	0	0	0	e 28	0	0	0	0	0	0	0	|
8	0	0	0	e 12	167	+	0	0	0	0	0	|
9	0	0	0	e 1.6	18.9	0	+	0	0	0	0	|
10	0	0	0	0	14.6	0	|	0	0	0	0	|
11	0	0	0	0	155	0	|	0	0	0	0	|
12	0	0	0	0	12.0	+	|	0	0	0	0	+
13	0	0	0	0	0.1	0	+	0	0	0	0	0.2
14	0	0	0	0	0	+	0	0	0	0	0	+
15	0	0	0	0	1.2	+	+	0	0	0	0	|
16	0	0	0	0	251	0	0	0	0	0	0	|
17	0	0	0	0	48	+	0	0	+	0	0	|
18	0	0	0	0	17.4	0	+	0	0	0	0	|
19	0	0	0	0	2.9	+	|	0	0	0	0	|
20	0	0	0	0	2.7	0	|	0	0	0	0	|
21	0	0	0	0	42	0	|	+	0	0	0	|
22	0.1	0	0	0	0.8	0	+	|	+	0	0	+
23	0.8	0	0	0	0	0	0	|	+	0	0	0
24	0	0	0	0	0	0	0	|	0	0	0	0
25	25	0	0	0	0	0	110	+	0	0	0	+
26	0	0	0	0	0	0	138	0	0	0	0	|
27	0	0	0	0	0	0	0.4	0	0	0	0	|
28	0	0	0	0	0	0	0	0	0	0	0	|
29	0	0	0	0		0	0	+	0	0	0	+
30	0	0	0	0		0	0	+	0	0	+	0
31	0		0	0		0		+		0	+	
	25.9		0		73.36		248.4		+		+	
		0		958.7		+		+		+		0.20
MEAN	0.84	0	0	30.9	26.2	+	8.28	+	+	+	+	0.06
ACRE-FEET	51.	0	0	1900.	1460.	+	493.	+	+	+	+	0.4

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 5.39
ACRE-FEET 3900.



STATION U6-R
ROGERS CREEK above Mouth of Canyon

LOCATION: WATER-STAGE RECORDER, LAT. 34°09'55", LONG. 117°54'20", IN NW 1/4 NW 1/4 SEC. 23, T.1N., R10W., 0.5 MILE UPSTREAM FROM MOUTH AND 2.2 MILES NORTH OF AZUSA. ALTITUDE OF GAGE ABOUT 800 FEET.

DRAINAGE AREA: 6.4 SQUARE MILES.

RECORDS AVAILABLE: MAY 1916 TO JUNE 1917. (DISCHARGE MEASUREMENTS ONLY.)
OCTOBER 1917 TO SEPTEMBER 1959.

AVERAGE DISCHARGE: 42 YEARS, 2.94 SECOND-FEET.

EXTREMES OF DISCHARGE:
1957-58
MAXIMUM DISCHARGE 472 SECOND-FEET APRIL 3. (GAGE HEIGHT 6.32 FEET.)
MINIMUM NO FLOW DURING SOME MONTHS.
1958-59
MAXIMUM DISCHARGE 2400 SECOND-FEET JANUARY 6, (GAGE HEIGHT 11.7 FEET.)
MINIMUM NO FLOW DURING SOME MONTHS.
1917-59
MAXIMUM DISCHARGE (REVISED) ABOUT 2400 SECOND-FEET JANUARY 6, 1959.
MINIMUM NO FLOW DURING PART OF EACH YEAR.

REMARKS: RECORDS GOOD. ONE SMALL DIVERSION ABOVE STATION FOR IRRIGATION.

COOPERATION: RECORDS FURNISHED BY THE UNITED STATES GEOLOGICAL SURVEY. WATER RESOURCES BRANCH. EIGHTEEN DISCHARGE MEASUREMENTS FURNISHED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF ROGERS CREEK

AT OR NEAR above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 58

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1733	11/4		U.S.G.S.	1.0	0.38	0.89	2.41	0.34		.6	6	0	
1734	11/6	1522 / 1532	HOLLERON	2.3	0.67	0.42	2.36	0.28		.5	10	0	FC48
1735	11/14		U.S.G.S.	1.0	0.30	0.37	2.33	0.11		.5 / .6		0	
1736	11/26		"				2.30	0.07		FLUME		0	
1737	12/9	1520 / 1530	HOLLERON	3.5	0.82	0.50	2.39	0.41		.5	9	0	FC48
1738	12/17		U.S.G.S.	10.8	7.54	1.75	3.08	13.2		.6	23	0	
1739	1/3		"	1.2	0.57	1.07	2.41	0.61		.6	7	0	
1740	1/8	1534 / 1544	HOLLERON	3.3	0.63	0.70	2.37	0.44		.5	10	0	FC48
1741	1/17		U.S.G.S.	1.0	0.23	1.74	2.35	0.40		.5	6	0	
1742	1/23	1348 / 1358	HOLLERON	2.2	0.54	0.59	2.32	0.32		.5	8	0	FC48
1743	1/29		U.S.G.S.	8.5	2.48	1.08	2.68	2.69		.5 / .6	26	0	
1744	2/3		"	11.0	8.86	2.30	3.27	2.04		.6	23	-.02	
1745	2/4		"	21.5	19.1	4.92	4.21	94.0		.5 / .6	17	-.04	
1746	2/5		"	11.0	9.36	2.72	3.33	25.5		.6	23	0	
1747	2/20		"	10.8	6.18	1.86	3.02	11.5		.5 / .6	20	0	
1748	2/25		"	11.3	12.1	3.18	3.58	38.0		.6	17	-.03	
1749	3/14		"	7.8	3.24	1.90	2.77	6.15			23	0	
1750	3/17		"	18.5	13.7	3.11	3.57	42.6		.5 / .6	23	0	
1751	3/26		"	11.0	8.07	2.26	3.15	18.2		.5 / .6	19	0	
1752	4/2		"	17.0	20.0	3.45	3.90	69.0		.6	19	0	
1753	4/8		"	15.0	16.1	3.95	3.77	63.6		.6	16	-.01	
1754	4/18		"	14.9	9.38	2.05	3.22	19.2		.6	16	-.02	
1755	4/23		"	15.1	8.05	1.69	3.10	13.6		.6	28	0	
1756	5/2		"	4.5	4.01	2.44	2.99	9.77		.6	10	0	
1757	5/16		"	4.6	5.11	0.57	2.80	6.12		.2 .8	10	0	
1758	5/21		"	5.5	2.93	1.59	2.76	4.67		.5 / .6	19	-.01	
1759	6/5		"	4.6	1.61	2.06	2.67	3.32		.6	16	0	
1760	6/9	1104 / 1118	HOLLERON	10.0	2.97	1.21	2.63	3.56		.5	12	0	FC48
1761	6/10		U.S.G.S.	4.6	1.50	2.01	2.50	3.02		.6	16	-.01	
1762	6/19		"	4.7	1.42	1.87	2.58	2.66		.5 / .6	16	0	
1763	7/8		"	1.4	0.69	2.04	2.50	1.41		.5 .6 / .6 .8	6	0	
1764	7/23		"	1.4	0.59	1.95	2.46	1.15		.5 / .6	6	0	
1765	7/31	1532 / 1540	HOLLERON	2.6	0.63	0.98	2.42	0.62		.5	8	0	FC48
1766	8/8		U.S.G.S.	1.5	0.26	1.69	2.39	0.44		.5	6	0	
1767	8/13	0910 / 0916	HOLLERON	1.5	0.21	1.53	2.38	0.32		.5	6	0	FC48
1768	8/20	1145 / 1150	HOLLERON-MC BRIDE	1.6	0.30	1.6	2.39	0.48		.5	5	0	"
1769	8/29	0950 / 0955	ROY	1.5	0.22	1.59	2.39	0.35		.5	4	0	"
1770	9/4		U.S.G.S.	0.5	0.11	2.54	2.38	0.28		.5	4	0	
1771	9/16		"				2.32	0.10				0	
1772	9/23		U.S.G.S.	2.2	0.57	0.58	2.41	0.33		.5	7	0	

DISCHARGE MEASUREMENTS OF ROGERS CREEK

AT OR NEAR above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 59

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1773	10/2		U.S.G.S.	3"	FLUME		2.34	0.08					
1774	10/13		"				2.38	0.14		FLUME			
1775	10/23	0924 / 0930	HOLLERON	2.2	0.57	0.58	2.41	0.33		.5	7	0	FC48
1776	10/28		U.S.G.S.	1.2	0.42	1.12	2.44	0.47		.5 / .6	7	0	
1777	11/6	0943 / 0951	HOLLERON	1.6	0.58	0.86	2.43	0.50		.6	6	0	FC48
1778	11/13		U.S.G.S.	1.6	0.61	0.91	2.45	0.56		.6	9	0	
1779	11/20	0931 / 0937	HOLLERON	1.6	0.71	0.85	2.45	0.60		.6	5	0	FC48
1780	12/4	0916 / 0922	"	1.6	0.69	0.77	2.44	0.53		.6	5	0	"
1781	12/9		U.S.G.S.	1.1	0.44	1.20	2.45	0.53		.6	5	0	
1782	12/18	0840 / 0846	HOLLERON	1.1	0.40	1.35	2.43	0.54		.6	6	0	FC48
1783	12/22		U.S.G.S.	1.2	0.46	1.39	2.44	0.64		.6	5	0	
1784	1/2	1530 / 1536	HOLLERON	1.1	0.42	1.38	2.45	0.58		.6	6	0	FC48
1785	1/5		U.S.G.S.	1.2	0.44	1.25	2.45	0.55		.6	5	0	
1786	1/6		"				11.7	2400.		EST.			
1787	1/6		"					15.1		.5	12		
1788	1/7		"	4.5	0.74		6.05	1.63		.5	11	0	
1789	1/15	1444 / 1452	"	2.4	0.33	2.15	6.10	0.71		.5	7	0	
1790	1/22		"	2.1	0.31	1.84	6.21	0.57		.5	8	0	
1791	1/28	1403 / 1410	BOWMAN	2.3	0.37	1.59	6.38	0.59		.5	6	0	FC48
1792	2/3		U.S.G.S.	2.3	0.46	1.52		0.70		.5	8	+.02	
1793	2/11		"				12.55	2000.		EST.			
1794	2/11		"	11.0	3.48	5.92	9.36	20.6		.6	12	+.03	
1795	2/13		"	5.5	1.01	2.82	9.14	2.85		.5	15		
1796	2/17		"	7.5	2.82	3.69		10.4		.5 / .6	16		
1797	2/18		"	5.4				5.85		.5 / .6	13		
1798	2/19		"	5.8	1.36			4.67		.5	14		
1799	2/21		"	5.3	0.98			2.74		.5	12		
1800	2/22		"	5.8	1.24			3.32		.5	13		
1801	2/23		"	5.0	1.24	3.06		3.79					
1802	2/23		"	4.8	1.09			2.88		.5	12		
1803	2/25		"	4.8	0.74			1.88		.5	11		
1804	2/26		"	4.1	0.73			1.63					
1805	3/1		"	2.7	0.57			1.49					
1806	3/2		"	2.7	0.54			1.25					
1807	3/3		"	2.5	0.44			1.27					
1808	3/4		"	2.7	0.47			1.17					
1809	3/5		"	2.7	C.51			1.09					
1810	3/6		"	2.4	0.30			0.89					
1811	3/7		"	2.0	0.37			1.03					
1812	3/8		"	2.0	0.32			0.76					
1813	3/9		"	2.4	0.35			0.92					
1814	3/10		"	2.4	0.32			0.84					
1815	3/11		"	1.8	0.32			0.82					
1816	3/13		"	2.8	0.32			0.90					
1817	3/15		"	1.8	0.26			0.62					
1818	3/16		"	1.8	0.26			0.60					
1819	3/17		"	1.8	0.25			0.61					
1820	3/18		"	1.8	0.27			0.60					
1821	3/19		"	1.8	0.32			0.68					
1822	3/20		"	1.8	0.19			0.51					
1823	3/23		"	1.9	0.24			0.54					
1824	3/24		"	3.0	0.47			1.23					
1825	3/24		"	1.8	0.23			0.42					
1826	3/25		"	1.8	0.21			0.43					
1827	3/26		"	2.0	0.22			0.44					
1828	3/27		"	2.3	0.35			0.81					
1829	3/28		"	1.8	0.15			0.22					
1830	3/29		"	1.9	0.19			0.33					
1831	3/30		"	2.3	0.25			0.48					
1832	3/31		"	2.4	0.24			0.38					
1833	4/1		"	1.1	0.10			0.11					
1834	4/2		"	0.9	0.05			0.05					
1835	4/3		"	1.8	0.15			0.24					
1836	4/4		"	1.9	0.17			0.28					
1837	4/7		"	1.6	0.12			0.17					
1838	4/8		"	1.1	0.10			0.12					
1839	4/9		"					0.04		FLUME			
1840	4/13		"					0.04		"			
1841	4/14		"					0.14		FLUME			
1842	4/15		"					0.22		"			
1843	4/15		"		0.08			0.16					
1844	4/16		"					0.32		FLUME			
1845	4/17		"					0.33		"			
1846	4/18		"					0.36		"			
1847	4/20		"					0.36		"			
1848	4/20		"					0.11		"			
1849	4/21		"					0.31		"			
1850	4/22		"					0.28		"			

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1851	4/23		U.S.G.S.					0.23		FLUME			
1852	4/24		"					0.25		"			
1853	4/25		"					0.27		"			
1854	4/26		"	5.3	0.94			2.92		"			
1855	4/27		"	2.9	0.39			1.43					
1856	4/28		"	0.22	0.29			0.74					
1857	4/29		"	1.9	0.26			0.61					
1858	4/30		"	1.3	0.15			0.29					
1859	5/1		"	1.6	0.18			0.35					
1860	5/2		"	1.3	0.14			0.25					
1861	5/3		"					0.16		FLUME			
1862	5/4		"					0.16		"			
1863	5/5		"					0.18		"			
1864	5/6		"					0.10		EST.			
1865	5/11		"					0.08		FLUME			
1866	5/13		"					0.14		"			
1867	5/15		"					0.15		"			
1868	5/19		"					0.21		"			
1869	5/20		"					0.20		"			
1870	5/22		"					0.14		"			
1871	5/23		"					0.14		"			
1872	5/25		"					0.14		"			
1873	5/31		"					0.08		"			
1874	6/1		"					0.06		"			
1875	6/2		"					0.04		FLUME			
1876	6/3		"					0.04		"			
1877	6/4		"					0.02		"			
1878	6/4		"					0.09		"			

76D764M C-1 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U6-R

Daily discharge, in second-feet of ROGERS CREEK ABOVE Mouth of Canyon, for the year ending September 30, 1959

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0.1	0.6	1.8	6.3	94	10	3.3	1.5	0.6	0.3
2	0	0	0.1	0.6	1.8	5.5	72	9.9	3.4	1.6	0.6	0.3
3	0	0.9	0.1	0.6	20	5.1	233	9.2	3.3	1.4	0.6	0.3
4	0	0.4	0.1	0.6	76	4.3	124	8.9	3.3	1.4	0.5	0.3
5	0	0.3	3.0	0.5	30	3.9	83	8.3	3.1	1.4	0.5	0.2
6	0	0.3	1.1	0.5	15	8.6	70	8.0	3.1	1.4	0.5	0.2
7	0	0.2	0.7	0.5	11	6.8	84	8.0	3.3	1.4	0.5	0.2
8	0	0.2	0.5	0.5	8.6	5.1	64	8.0	3.4	1.1	0.4	0.2
9	0	0.2	0.4	0.4	6.8	4.7	52	7.7	3.6	1.0	0.4	0.2
10	0	0.2	0.4	0.4	5.7	4.5	46	7.7	3.4	1.0	0.4	0.2
11	0.7	0.1	0.3	0.5	4.7	8.3	41	7.4	3.4	1.0	0.4	0.2
12	0.1	0.1	0.3	0.5	4.1	5.7	36	7.1	3.4	1.0	0.3	0.2
13	0	0.1	0.3	0.5	3.7	5.9	31	6.5	3.3	1.0	0.3	0.2
14	0	0.1	0.2	0.5	3.3	6.1	28	6.3	3.1	1.1	0.3	0.2
15	0	0.1	9.9	0.4	3.1	12	25	6.3	2.6	1.0	0.5	0.1
16	0	0.1	20	0.4	2.8	2110	23	5.9	2.6	1.1	0.5	0.1
17	0	0.1	26	0.4	2.4	48	21	5.1	2.6	1.1	0.5	0.1
18	0	0.1	5.5	0.4	2.3	34	19	4.9	2.4	1.0	0.5	0.1
19	0	0.1	3.2	0.4	27	26	18	4.7	2.4	1.0	0.5	0.1
20	0	0.1	2.4	0.4	13	24	17	4.7	2.4	1.0	0.5	0.1
21	0	0.1	1.9	0.4	9.6	23	15	4.3	2.4	1.0	0.5	0.1
22	0	0.1	1.8	0.4	8.3	37	14	4.1	2.2	1.0	0.5	0.1
23	0	0.1	1.4	0.4	7.1	27	14	4.1	2.0	1.0	0.5	0.2
24	0	0.1	1.2	0.4	6.1	24	13	3.9	2.0	1.0	0.4	0.3
25	0	0.1	1.0	1.2	16	21	12	3.7	2.0	1.0	0.4	0.2
26	0	0.1	0.9	26	8.9	19	12	3.4	1.8	1.0	0.4	0.2
27	0	0.1	0.7	6.1	7.7	26	12	3.3	1.8	1.0	0.4	0.1
28	0	0.1	0.7	3.1	6.8	20	11	3.3	1.7	0.9	0.3	0.1
29	0	0.1	0.7	2.6		18	11	3.3	1.7	0.8	0.3	0.1
30	0	0.1	0.7	2.3		16	10	3.3	1.6	0.7	0.3	0.1
31	0		0.6	1.8		16		3.4		0.6	0.3	
	0.8		86.2		313.6		1305		80.6		13.6	
		4.7		54.3		581.8		184.7		33.5		5.3
MEAN	0.03	0.16	2.78	1.75	11.2	18.8	43.5	5.96	2.69	1.08	0.44	0.18
ACRE-FEET	1.6	9.3	171.	108.	622.	1150.	2590.	366.	160.	66.	27.	11.

Remarks:

YEAR OR PERIOD MEAN 7.30
ACRE-FEET 5280.

FORM 61b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U6-R

Daily discharge, in second-feet of ROGERS CREEK above Mouth of Canyon, for the year ending September 30, 1959

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.1	0.5	0.6	0.6	0.5	1.5	0.3	0.3	0.1	0	0	0
2	0.1	0.5	0.6	0.6	0.5	1.5	0.3	0.3	0	0	0	0
3	0	0.5	0.5	0.6	0.5	1.5	0.3	0.3	0	0	0	0
4	0	0.5	0.5	0.6	0.5	1.0	0.3	0.2	0	0	0	0
5	0.1	0.5	0.5	0.6	0.5	1.0	0.3	0.2	0	0	0	0
6	0.1	0.5	0.5	8.6	1.0	1.0	0.2	0.2	0	0	0	0
7	0.2	0.5	0.5	1.7	1.0	1.0	0.2	0.2	0	0	0	0
8	0.2	0.5	0.5	1.5	1.0	1.0	0.2	0.1	0	0	0	0
9	0.2	0.6	0.5	1.5	2.0	1.0	0.2	0.1	0	0	0	0
10	0.2	0.7	0.5	1.5	1.0	1.0	0.1	0.1	0	0	0	0
11	0.2	0.7	0.5	1.0	5.0	0.8	0.1	0.1	0	0	0	0
12	0.2	0.6	0.5	1.0	1.0	0.8	0.1	0.1	0	0	0	0
13	0.2	0.6	0.5	1.0	3.0	0.8	0.1	0.1	0	0	0	0
14	0.2	0.6	0.5	0.8	2.0	0.8	0.2	0.1	0	0	0	0
15	0.2	0.6	0.5	0.8	1.0	0.8	0.2	0.2	0	0	0	0
16	0.2	0.6	0.5	0.7	7.0	0.6	0.3	0.2	0	0	0	0
17	0.2	0.6	0.5	0.7	1.0	0.6	0.3	0.2	0	0	0	0
18	0.2	0.6	0.5	0.7	5.0	0.6	0.3	0.2	0	0	0	0
19	0.2	0.6	0.5	0.6	4.5	0.6	0.3	0.2	0	0	0	0
20	0.3	0.6	0.6	0.6	3.5	0.6	0.3	0.2	0	0	0	0
21	0.3	0.5	0.6	0.6	3.0	0.5	0.3	0.2	0	0	0	0
22	0.3	0.5	0.6	0.6	3.5	0.5	0.3	0.1	0	0	0	0
23	0.3	0.5	0.6	0.6	3.0	0.5	0.3	0.1	0	0	0	0
24	0.4	0.5	0.6	0.6	2.5	0.5	0.3	0.1	0	0	0	0
25	0.6	0.5	0.6	0.6	2.0	0.5	0.3	0.1	0	0	0	0
26	0.5	0.6	0.6	0.6	1.5	0.4	5.0	0.1	0	0	0	0
27	0.5	0.6	0.6	0.6	1.5	0.4	2.0	0.1	0	0	0	0
28	0.5	0.6	0.6	0.6	1.5	0.4	1.0	0.1	0	0	0	0
29	0.5	0.6	0.6	0.6		0.4	0.7	0.1	0	0	0	0
30	0.5	0.6	0.6	0.6		0.4	0.7	0.1	0	0	0	0
31	0.5		0.6	0.6		0.4		0.1		0	0	
	8.2	16.9	16.9	109.7	195.0	23.4	15.5	4.8	0.1	0	0	0
MEAN	0.26	0.56	0.55	3.54	6.96	0.75	0.52	0.15	0.003	0	0	0
ACRE-FEET	16.	34.	34.	218.	387.	46.	31.	9.5	0.2	0	0	0

Remarks:

YEAR OR PERIOD MEAN 1.07
ACRE-FEET 776.

STATION F82C-R
RUBIO WASH at Glendon Way

LOCATION: WATER-STAGE RECORDER, LAT. 34°04'27", LONG. 118°04'35", ON THE LEFT (EAST) SIDE OF CHANNEL, 10 FEET SOUTH OF THE WESTERLY EXTENSION OF GLENDON WAY, ROSEMEAD. ELEVATION OF ZERO GAGE HEIGHT, 274.06 FEET.

DRAINAGE AREA: 13.4 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - RECTANGULAR CONCRETE 48.1 FEET WIDE X 10.5 FEET DEEP TO BOTTOM OF 0.5 FOOT INVERT WITH 0.5 FOOT FILLETS AT VERTICAL SIDE WALLS.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM FOOTBRIDGE AT STATION.

RECORDER: AN AU RECORDER IN SERVICE FROM OCTOBER 1, 1957 TO SEPTEMBER 30, 1959.

REGULATION: FLOW PARTIALLY REGULATED BY LAS FLORES AND RUBIO DEBRIS BASINS.

DIVERSIONS: NONE.

RECORDS AVAILABLE: NOVEMBER 6, 1936 TO SEPTEMBER 30, 1959. FOR PREVIOUS RECORDS ON RUBIO WASH SEE STATIONS F82-R, F107-R, F828-R, IN PREVIOUS REPORTS.

EXTREMES OF DISCHARGE:
1957-58
MAXIMUM 2740 SECOND-FEET JANUARY 26.
MINIMUM 0.1 SECOND-FOOT NOVEMBER 18-19.
1958-59
MAXIMUM 2780 SECOND-FEET FEBRUARY 23.
MINIMUM 0.02 SECOND-FOOT VARIOUS TIMES OF YEAR.
1930-59 (STATIONS F82-R, F828-R, F82C-R).
MAXIMUM 3020 SECOND-FEET JANUARY 16, 1952.
MINIMUM NO FLOW AT TIMES.

ACCURACY: GOOD.

OPERATION: LOCATED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT. THE STILLING WELL AND COMMUNICATION CHANNEL WERE CONSTRUCTED BY THE CORPS OF ENGINEERS, DEPARTMENT OF THE ARMY.

FEDI6M Gib 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F82C-R

Daily discharge, in second-feet of RUBIO WASH at Glendon Way, for the year ending September 30, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.4	0.6	0.2	0.2	0.2	0.2	24.0	0.4	0.2	0.6	0.4	0.6
2	0.4	3.4	0.2	0.4	23	0.2	10.6	0.4	0.2	0.4	0.4	1.9
3	0.6	3.3	0.2	0.4	275	0.2	16.6	0.4	0.2	0.4	0.2	1.4
4	0.6	0.6	12.2	0.2	250	0.2	17.4	0.6	0.2	3.9	0.2	0.2
5	0.4	7.1	91	0.2	10.6	0.2	6.0	0.4	0.2	0.4	0.4	0.2
6	0.4	0.4	1.4	0.2	3.6	29	6.1	0.4	0.2	0.4	0.4	0.2
7	0.6	0.2	0.2	0.2	4.8	1.0	9.9	0.4	0.2	0.6	0.2	0.2
8	0.2	0.2	0.2	0.2	3.9	0.2	7.1	0.2	0.2	0.6	0.4	0.2
9	0.2	0.2	0.2	0.2	0.2	0.2	2.5	0.2	0.2	0.6	0.2	0.2
10	0.2	0.2	0.2	0.2	0.2	7.5	1.9	0.4	0.2	0.6	0.2	0.2
11	4.5	0.2	0.2	0.2	0.2	6.0	1.4	0.4	0.2	0.6	0.4	0.2
12	0.4	0.2	0.2	0.2	2.2	0.6	1.0	0.2	0.2	0.2	0.6	0.2
13	21	0.2	0.2	0.2	0.4	4.9	1.0	0.2	0.2	0.2	4.9	0.2
14	2.4	0.4	0.2	0.2	0.2	0.6	1.0	0.2	0.2	0.2	0.2	0.2
15	0.2	0.2	102	0.2	0.2	118	0.6	0.2	0.2	0.2	6.0	0.2
16	0.2	0.2	4.7	0.4	0.2	100	0.6	0.2	0.2	0.2	0.2	0.4
17	0.2	0.2	4.8	0.2	0.2	10.5	0.4	0.2	0.2	0.2	0.2	0.2
18	0.2	0.1	1.4	0.2	0.2	1.0	0.4	0.2	0.2	0.2	0.2	0.4
19	0.6	0.1	0.4	0.2	28.6	0.4	0.4	0.2	0.2	0.2	0.2	0.2
20	3.9	0.2	0.2	0.2	2.5	4.2	0.4	0.2	0.2	0.2	0.2	0.2
21	4.8	0.2	0.2	0.4	0.6	4.2	0.4	0.2	0.2	0.2	0.2	0.2
22	0.2	0.2	0.2	0.4	0.4	3.3	0.4	0.2	0.2	0.4	0.2	1.0
23	0.2	0.2	0.2	0.4	0.2	0.6	0.4	0.2	0.2	0.2	0.2	3.6
24	0.2	0.2	0.2	3.9	0.4	0.6	0.4	0.2	0.2	0.2	0.2	1.0
25	0.2	0.4	0.2	90	69	0.6	0.4	0.2	0.2	0.4	0.2	0.2
26	0.2	0.4	0.2	86	0.2	0.4	0.4	0.2	0.2	0.4	0.6	0.2
27	0.2	0.4	0.2	0.4	0.2	73	0.4	0.2	0.2	0.4	0.4	0.2
28	0.2	0.2	0.2	0.2	0.2	1.4	0.4	0.2	0.2	0.4	0.2	0.2
29	0.2	0.2	0.2	0.2		1.6	0.4	0.2	0.2	0.4	0.2	0.2
30	0.2	0.2	0.2	5.3		11.8	0.4	0.2	0.4	0.4	0.4	0.2
31	16.2		0.2	0.2		9.1		0.2		0.4	0.2	
		51.4		192.0		497.0		8.2		14.7		14.7
	157.6		308.0		935.0		622.7		6.2		19.1	
MEAN	5.08	1.71	9.94	6.19	33.4	16.0	20.8	0.26	0.21	0.47	0.62	0.49
ACRE-FEET	313.	102.	611.	381.	1850.	986.	1240.	16.	12.	29.	38.	29.

Remarks:

YEAR OR PERIOD MEAN 7.74
ACRE-FEET 5610.

FEDI6M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

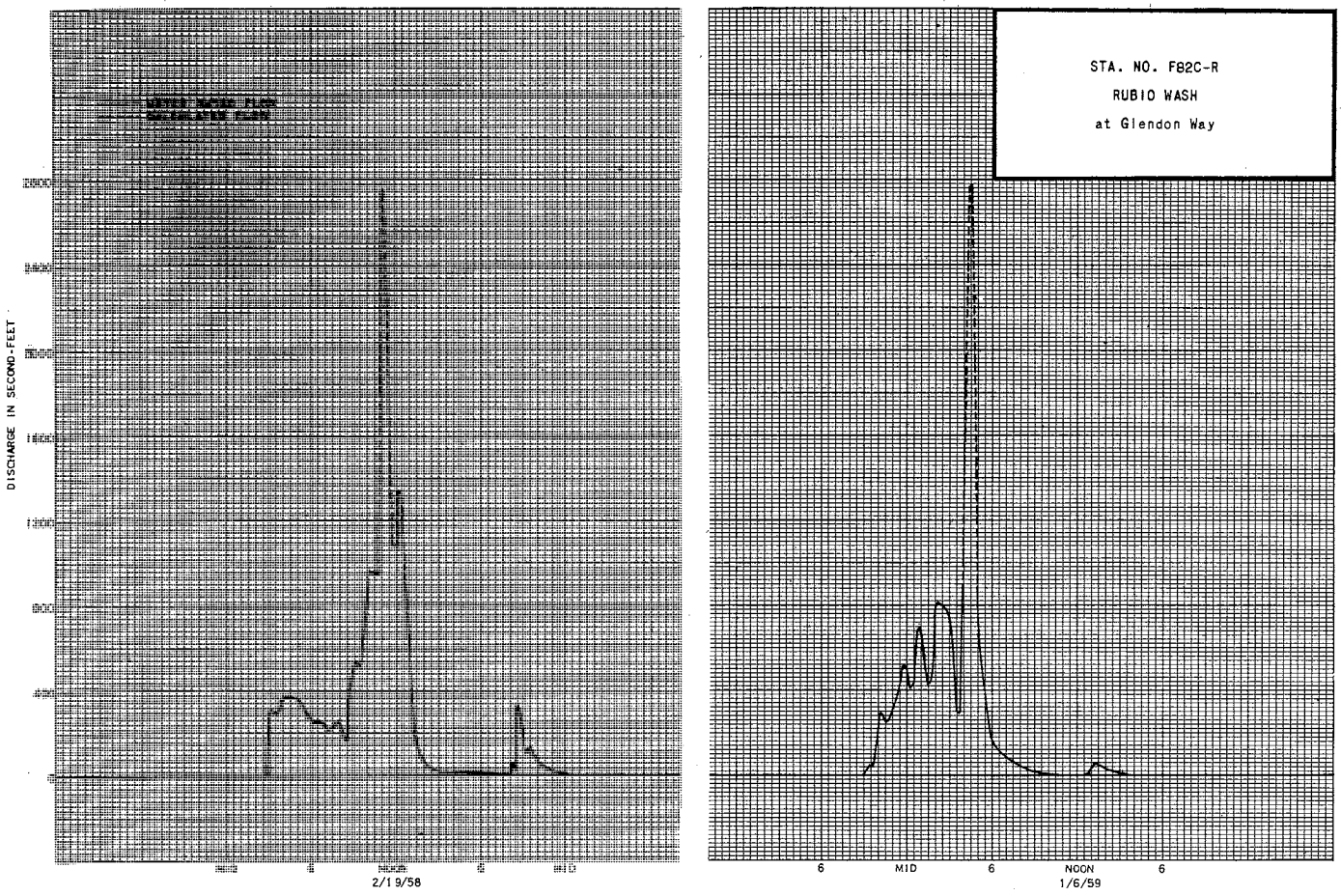
Sta. No. F82C-R

Daily discharge, in second-feet of RUBIO WASH at Glendon Way, for the year ending September 30, 1959

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.2	0.2	0.4	0.2	0.2	0.2	0.6	0.4	0.6	0.6	1.0	0.6
2	0.2	0.2	0.2	0.2	0.2	0.2	0.6	0.2	0.4	0.4	0.6	0.6
3	0.4	0.2	0.2	0.4	0.2	0.2	0.6	0.2	0.4	0.4	0.6	1.0
4	0.6	0.2	0.2	0.2	0.2	0.2	0.4	0.2	0.4	0.6	0.6	0.6
5	0.2	0.2	0.4	31	0.2	0.2	0.2	0.4	1.0	0.4	1.0	0.6
6	0.6	0.4	0.4	218	0.4	0.2	0.2	0.2	1.4	0.4	0.6	0.6
7	0.6	0.4	0.4	1.0	1.0	0.2	0.4	0.2	0.6	0.6	0.6	0.6
8	0.6	0.4	0.4	0.2	52	0.2	0.4	0.2	0.4	0.6	0.4	0.6
9	0.4	0.4	0.4	0.2	1.0	0.2	0.2	0.2	0.4	0.6	0.4	0.6
10	0.2	1.4	0.2	0.2	5.2	0.2	0.4	0.2	0.4	0.6	0.4	0.6
11	0.2	1.0	0.2	0.2	200	0.2	0.4	0.2	0.4	0.4	0.4	0.6
12	0.2	0.6	0.4	0.2	5.9	0.2	0.4	0.2	0.4	0.2	0.6	0.6
13	0.4	0.4	0.4	0.2	0.6	0.2	0.4	0.2	0.4	0.4	0.6	5.2
14	0.4	0.4	0.4	0.2	0.2	0.2	0.4	0.2	0.4	0.6	0.6	0.4
15	0.4	0.4	0.4	0.2	14.9	0.2	0.6	0.2	0.4	0.6	0.6	0.2
16	0.6	0.2	0.4	0.4	177	0.2	0.6	0.2	0.4	0.6	0.4	0.2
17	0.4	a 0.2	0.2	0.4	1.4	0.2	0.4	0.2	0.2	0.6	0.4	0.4
18	0.2	a 0.2	0.2	0.2	0.6	0.4	0.4	0.6	1.4	0.6	0.4	0.2
19	0.2	a 0.2	0.2	0.2	0.2	0.2	0.4	0.2	0.2	0.6	0.4	0.2
20	0.2	0.2	0.2	0.2	0.4	0.2	0.4	0.4	0.4	0.6	0.6	0.2
21	0.2	0.2	0.2	0.2	37	0.2	0.4	0.2	0.4	0.6	0.4	0.2
22	0.4	0.2	0.2	0.4	0.2	0.4	0.4	0.2	0.4	1.0	0.6	0.6
23	7.7	0.2	0.2	0.2	0.2	0.4	0.6	0.2	0.4	1.0	0.6	0.2
24	7.3	0.2	0.2	0.2	0.2	0.6	0.6	0.2	0.4	1.0	1.0	0.2
25	6.6	0.2	0.2	0.6	0.2	0.4	4.5	0.6	0.4	0.6	1.0	0.2
26	1.0	0.2	0.2	0.2	0.2	0.6	8.1	0.2	0.6	0.6	1.0	0.2
27	0.4	0.2	0.2	0.6	0.2	0.6	0.6	0.4	0.6	0.6	1.0	0.2
28	0.6	0.2	0.2	0.2	0.2	0.2	1.0	0.6	0.6	0.6	1.0	0.2
29	0.2	0.2	0.2	0.2		0.2	0.4	0.2	0.6	0.6	1.0	0.2
30	0.2	0.2	0.2	0.2		0.2	0.4	0.2	0.6	0.6	1.0	0.2
31	0.2		0.2	0.2		0.2	0.4	0.2	0.6	1.0	1.0	
	91.4		8.4		500.2		65.9		15.6		20.4	
		9.8		257.2		8.6		8.2		19.0		17.0
MEAN	2.95	0.33	0.27	8.30	17.7	0.28	2.20	0.26	0.52	0.61	0.66	0.57
ACRE-FEET	181.	19.	17.	510.	992.	17.	131.	16.	31.	38.	40.	34.

Remarks:

YEAR OR PERIOD MEAN 2.80
ACRE-FEET 2030



STATION U15-R

SAN ANTONIO CREEK below Edison Co. Power Plant Diversion

LOCATION: WATER-STAGE RECORDER AND BROAD-CRESTED WEIR CONTROL, LAT. 34°12'58", LONG. 117°40'04", IN SE 1/4, SW 1/4, NW 1/4 SEC. 36 T.2N., R.8W., 0.5 MILE UPSTREAM FROM SOUTHERN CALIFORNIA EDISON COMPANY'S SIERRA POWER PLANT AND 8.8 MILES NORTHEAST OF CLAREMONT. ALTITUDE OF GAGE ABOUT 3400 FEET.

DRAINAGE AREA: 16.9 SQUARE MILES.

RECORDS AVAILABLE: MARCH 1901 TO SEPTEMBER 1959.

AVERAGE DISCHARGE: 42 YEARS (1917-59), 9.37 SECOND-FEET, AVERAGE COMBINED DISCHARGE OF CREEK AND CONDUIT; 42 YEARS (1917-59), 21.9 SECOND FEET.

EXTREMES OF DISCHARGE:

1957-58
MAXIMUM DISCHARGE 291 SECOND-FEET APRIL 3, GAGE HEIGHT 3.18 FEET.
MINIMUM DAILY 0.2 SECOND-FOOT ON OCTOBER 1, 9, 10.

1958-59
MAXIMUM DISCHARGE 82 SECOND-FEET FEBRUARY 16, GAGE HEIGHT 1.97 FEET.
MINIMUM 0.3 SECOND-FOOT SEPTEMBER 1-6.

1917-59
MAXIMUM DISCHARGE 21,400 SECOND-FEET MARCH 2, 1938. (REVISED BY HYDROLOGIC STUDIES.)
MINIMUM PRACTICALLY NO FLOW AUGUST 24-27, 31, SEPTEMBER 1, OCTOBER 17-21, 1951.

REMARKS: RECORDS GOOD TO 25 CFS AND FAIR ABOVE. SOUTHERN CALIFORNIA EDISON COMPANY'S CONDUIT DIVERTS WATER ABOVE STATION AND COMBINED FLOW IS PUBLISHED HEREWITH.

COOPERATION: RECORDS FURNISHED BY THE UNITED STATES GEOLOGICAL SURVEY, WATER RESOURCES BRANCH. FIFTY DISCHARGE MEASUREMENTS FURNISHED BY LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF SAN ANTONIO CREEK

AT OR NEAR below Edison Company Power Plant Diversion DURING THE YEAR ENDING SEPTEMBER 30, 19 58

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	S. HT. CHANGE TOTAL	METER NO.
1524	10/2	1430 / 1440	MIDDLETON	1.7	0.40	0.80	0.71	0.32		.5 / .6	7	0	FC49
1525	10/4		U.S.G.S.	1.6	0.40	0.90	0.72	0.36		.5	9	0	
1526	10/15		"	3.8	1.02	0.63	0.94	0.64		.5	13	0	
1527	10/16	1455 / 1505	MIDDLETON	CHANNELS			0.72	0.71		.5 / .6	11	0	FC49
1528	10/23	1345 / 1357	SARASUA-MIDDLETON		"		0.71	0.68		.5 / .6	12	0	"
1529	10/31		U.S.G.S.	1.7	0.42	1.45	0.73	0.61		.5	9	0	
1530	11/14	1108 / 1122	MIDDLETON	CHANNELS			0.76	0.69		.5 / .6	6	0	FC49
1531	11/20		U.S.G.S.	1.8	0.42	1.40	0.76	0.59		.5 / .6	9	0	
1532	11/27	1025 / 1035	MIDDLETON-SARASUA	CHANNELS			0.77	0.54		.5	9	0	FC49
1533	12/11		U.S.G.S.	2.0	0.63	1.21	0.78	0.76		.5 / .6	11	0	
1534	12/11	1300 / 1310	SARASUA-STUNDEN	1.5	0.27	2.70	0.78	0.74		.5	7	0	FC49
1535	12/17		U.S.G.S.	16.2	15.4	4.61	2.06	71.0		.6	16	+.01	
1536	12/18		"	14.0	10.4	3.24	1.90	33.7		.6	15	0	
1537	12/26	1510 / 1535	SARASUA	CHANNELS			1.21	7.18		.6	15	0	FC49
1538	1/2		U.S.G.S.	2.5	1.08	1.83	0.85	1.98		.5 / .6	12	0	
1539	1/8	1301 / 1311	SARASUA	1.8	0.47	4.41	0.84	2.07		.6	7	0	FC49
1540	1/16		U.S.G.S.	2.4	0.89	1.66	0.84	1.48		.5 / .6	12	0	
1541	1/23	1245 / 1251	SARASUA-STUNDEN	1.6	0.41	3.00	0.84	1.23		.5	6	0	FC49
1542	1/29		U.S.G.S.	1.8	0.65	4.45	0.84	2.89		.5 / .6	10	0	
1543	2/5		"	14.0	10.3	3.21	1.89	32.1		.6	16	0	
1544	2/10		"	15.0	10.0	3.34	1.89	33.4		.6	16	0	
1545	2/13	1500 / 1515	SARASUA	CHANNELS			1.87	25.4		.6	17	0	FC43
1546	2/17		U.S.G.S.		"		1.74	21.7		.5 / .6	31	-.01	
1547	2/26	1215 / 1242	SARASUA		"		1.89	34.5		.6	18	0	FC43
1548	3/5		U.S.G.S.		"		1.84	24.5		.6	29	-.01	
1549	3/12	0840 / 0900	SARASUA		"		1.80	24.2		.6	17	0	FC43
1550	3/17		U.S.G.S.	15.5	13.8	4.51	2.09	62.4		.6	10	.01	
1551	3/26	0849 / 0910	SARASUA	CHANNELS			2.18	69.0		.6	22	-.02	FC43
1552	4/5		U.S.G.S.		"		2.78	131.		.6	10	0	
1553	4/10	1250 / 1330	SARASUA		"		2.17	84.4		.6	20	0	FC54
1554	4/14		U.S.G.S.	19.0	21.8	4.25	2.15	92.6		.6	11	+.01	
1555	4/23	1000 / 1015	SARASUA	15.0	24.0	6.33	2.85	152.		.6	11		FC54
1556	4/28		U.S.G.S.	21.0	26.1	5.36	2.62	140.		.5 / .6	21	+.01	
1557	5/7	1010 / 1022	SARASUA	15.5	19.4	5.36	2.34	104.		.6	14	0	FC54
1558	5/14		U.S.G.S.	19.0	17.3	3.72	2.19	64.8		.5 / .6	20	0	
1559	5/21	0845 / 0903	SARASUA	CHANNELS			2.20	75.6		.6	16	-.01	FC54
1560	5/28		U.S.G.S.		"		2.09	70.9		.5 / .6	25	0	
1561	6/4	0833 / 0849	SARASUA-MC BRIDE	14.0	14.0	3.38	2.07	48.4		.6	16	0	FC54
1562	6/11		U.S.G.S.	CHANNELS			1.95	36.6		.5 / .6	30	0	
1563	6/18	0840 / 0852	SARASUA	7.5	9.69	2.76	1.88	28.7		.6	10	0	FC54
1564	6/25		U.S.G.S.	CHANNELS			1.66	19.6		.6	21	-.01	
1565	7/2	0810 / 0822	SARASUA-MC BRIDE	7.0	7.39	2.07	1.55	15.3		.6	12	0	FC54
1566	7/9		U.S.G.S.	CHANNELS			1.40	11.8		.5 / .6	25	0	
1567	7/16	0834 / 0848	MC BRIDE	6.2	6.67	1.35	1.30	9.00		.6	10	0	FC54
1568	7/22		U.S.G.S.	CHANNELS			1.26	6.17		.5 / .6	23	-.01	
1569	7/30	0827 / 0845	MC BRIDE	7.1	4.58	0.80	1.02	3.70		.6	15	0	FC54
1570	8/12		U.S.G.S.	2.2	0.97	2.07	0.79	2.07		.6	11	0	
1571	8/13	1440 / 1450	SARASUA	4.2	1.70	1.00	0.81	1.70		.6	10	0	FC49
1572	8/27	1038 / 1050	MC BRIDE	4.0	1.78	0.62	0.78	1.13		.5	9	0	"
1573	8/29		U.S.G.S.	CHANNELS			0.78	1.45		.5 / .6	19	+.02	
1574	9/8		"	3.4	1.78	0.73	0.76	1.33		.6	8	0	
1575	9/10	1008 / 1020	MC BRIDE	3.4	1.61	0.87	0.81	1.40		.5	9	0	FC49
1576	9/11		U.S.G.S.	CHANNELS			0.73	1.22		.6	12	0	
1577	9/23		"		"		0.75	1.26		.5 / .6	19	0	
1578	9/24	1100 / 1108	SARASUA	3.3	1.58	0.79	0.77	1.25		.6	10	0	FC49

DISCHARGE MEASUREMENTS OF SAN ANTONIO CREEK

AT OR NEAR below Edison Company Power Plant Diversion DURING THE YEAR ENDING SEPTEMBER 30, 19 59

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	S. HT. CHANGE TOTAL	METER NO.
1578	10/8	0744 / 0754	MC BRIDE	3.4	1.78	0.73	0.92	1.33		.6	8	0	FC49
1579	10/9		U.S.G.S.	CHANNELS			0.79	1.14		.6	16	0	
1580	10/21		"				0.76	0.97		.6	17	0	
1581	10/22	1110 / 1120	MC BRIDE	2.1	1.03	0.84	0.77	0.86		.6	8	0	FC49
1582	11/5		U.S.G.S.	CHANNELS			0.75	0.99		.6	15	0	
1583	11/18		"		"		0.76	0.98		.6	14	0	
1584	11/26	0926 / 0933	MC BRIDE	1.5	0.79	1.10	0.74	0.87		.6	6	-.01	FC49
1585	12/3		U.S.G.S.	CHANNELS			0.74	0.79		.6	16	0	
1586	12/10	1222 / 1230	MC BRIDE	1.7	0.92	0.97	0.74	0.89		.6	7	0	FC49
1587	12/17		U.S.G.S.	CHANNELS			0.73	0.88		.6	14	0	
1588	1/2		"		"		0.73	0.83		.6	13	0	
1589	1/7	1120 / 1133	MC BRIDE	5.5	3.66	0.43	0.76	1.58		.6	12	0	FC49
1590	1/8		U.S.G.S.	CHANNELS			0.70	1.20		.6	15	-.01	
1591	1/16		"		"		0.71	1.17		.6	16	0	
1592	1/21	1113 / 1122	MC BRIDE	3.2	0.75	1.21	0.72	0.91		.6	9	0	FC49
1593	2/4	0944 / 0954	"	3.4	0.72	1.22	0.81	0.88		.6	9	0	"
1594	2/11		U.S.G.S.	CHANNELS			1.11	6.41		.6	18	0	
1595	2/16		"	15.5	13.6	2.22	1.47	30.2		.6	16	+.02	
1596	2/17		"	6.5	4.59	1.49	1.26	6.84		.6	14	0	
1597	2/25	1207 / 1216	MC BRIDE	2.7	1.66	1.01	0.81	1.67		.6	8	0	FC49
1598	2/25		U.S.G.S.	CHANNELS			0.80	1.88		.6	24	0	
1599	3/4	0905 / 0942	MC BRIDE	2.7	1.68	1.05	0.78	1.76		.6	8	0	FC49
1600	3/9		U.S.G.S.	CHANNELS			0.74	1.38		.6	20	0	
1601	3/18	0905 / 0914	MC BRIDE	2.8	1.62	0.80	0.69	1.26		.6	7	0	FC49
1602	3/23		U.S.G.S.	CHANNELS			0.70	1.29		.6	20	0	
1603	3/25	0950 / 0958	MC BRIDE	2.5	1.40	0.76	0.70	1.07		.6	6	0	FC49
1604	4/8	1226 / 1236	"	2.3	1.25	0.74	0.75	0.92		.6	6	0	"
1605	4/10		U.S.G.S.	CHANNELS			0.74	0.98		.6	17	0	
1606	4/22	1056 / 1104	MC BRIDE	2.0	1.06	0.78	0.75	0.83		.6	5	0	FC49
1607	4/27		U.S.G.S.	CHANNELS			0.76	1.30		.6	18	0	
1608	5/6	1047 / 1104	SARASUA		"		0.75	1.29		.6	11	0	FC49
1609	5/15		U.S.G.S.		"		0.75	0.74		.6	14	0	
1610	5/20	1135 / 1141	MC BRIDE	1.5	0.83	1.04	0.74	0.86		.6	4	0	FC49
1611	6/3	1238 / 1244	"	1.3	0.62	1.05	0.73	0.65		.6	4	0	"
1612	6/5		U.S.G.S.	1.2	0.57	1.12	0.75	0.64		.6	7	0	
1613	6/17	1308 / 1312	SARASUA	2.0	1.04	0.68	0.73	0.70		.6	5	0	FC49
1614	6/18		U.S.G.S.	1.8	0.55	1.53	0.70	0.84		.5	9	0	
1615	7/1		"	1.2	0.66	0.82	0.70	0.54		.6	7	0	
1616	7/8	1219 / 1223	MC BRIDE	1.2	0.58	0.79	0.68	0.46		.6	4	0	FC49
1617	7/14		U.S.G.S.	1.1	0.54	0.80	0.68	0.43		.6	7	0	
1618	7/22	1611 / 1616	MC BRIDE	1.2	0.58	0.77	0.66	0.43		.6	4	0	FC49
1619	7/24		U.S.G.S.	1.2	0.51	0.84	0.66	0.43		.6	7	0	
1620	7/30		"	1.6	0.41	1.10	1.10	0.45		.5	8	0	
1621	8/5	1200 / 1208	MC BRIDE	1.5	0.56	0.82	1.11	0.46		.6	4	0	FC49
1622	8/12		U.S.G.S.	1.2	0.41	0.98	1.11	0.40		.5	7	0	
1623	8/19	1252 / 1256	MC BRIDE	1.2	0.35	1.20	1.13	0.42		.5	4	0	FC49
1624	8/26		U.S.G.S.	2.0	0.57	0.68	1.11	0.39		.5	11	0	
1625	9/2	1242 / 1246	MC BRIDE	1.5	0.49	0.71	1.12	0.35		.6	4	0	FC49
1626	9/10		U.S.G.S.	1.5	0.49	0.80	1.10	0.39		.6	9	0	
1627	9/17	0840 / 0845	SARASUA	1.5	0.21	2.33	1.13	0.49		.6	6	0	FC49

76DT4M Cib 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U15-R

Daily discharge, in second-feet of SAN ANTONIO CREEK below Edison Company Power Plant Diversion for the year ending September 30, 1958

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.2	0.5	0.5	2.2	2.5	33	129	126	57	16	2.9	1.2
2	0.3	1.2	0.5	2.0	2.8	32	124	116	53	15	2.8	1.2
3	0.3	1.8	0.5	2.0	14	29	206	105	50	15	2.5	1.2
4	0.3	1.1	0.6	2.0	69	28	133	96	46	15	2.2	1.2
5	0.3	1.0	2.4	2.0	35	25	139	98	44	14	1.9	1.2
6	0.3	0.9	1.0	5.1	33	26	146	103	43	13	1.9	1.3
7	0.3	0.9	1.0	8.6	33	25	101	101	40	13	1.9	1.4
8	0.3	0.8	1.0	4.9	33	24	72	90	39	13	1.9	1.5
9	0.2	0.7	0.8	1.9	33	24	68	86	38	12	1.8	1.5
10	0.2	0.7	0.7	1.8	33	24	80	83	37	11	1.8	1.4
11	1.5	0.7	0.7	1.8	32	27	84	81	37	11	1.8	1.4
12	0.5	0.7	0.7	1.7	29	24	88	77	37	10	1.8	1.5
13	0.5	0.7	0.7	1.7	26	23	92	72	36	9.8	1.9	1.6
14	0.8	0.7	0.7	1.6	25	22	94	66	34	9.6	2.0	1.6
15	0.7	0.7	33	1.6	24	28	88	65	32	9.2	1.9	1.7
16	0.7	0.7	63	1.6	23	70	86	65	30	9.0	1.9	1.7
17	0.7	0.7	88	1.4	23	61	96	68	28	8.6	1.7	1.7
18	0.6	0.6	34	1.4	22	67	103	68	27	8.2	4.8	1.7
19	0.6	0.6	29	1.3	39	68	109	70	27	7.8	8.4	1.7
20	0.6	0.6	17	1.3	33	64	126	75	27	7.4	8.2	1.6
21	0.7	0.5	13	1.2	33	64	146	76	27	6.6	8.0	1.5
22	0.7	0.5	11	1.2	34	75	133	75	26	6.0	6.9	1.5
23	0.7	0.5	9.8	1.2	33	68	128	75	23	5.8	1.2	1.4
24	0.7	0.5	8.6	1.1	33	73	107	75	22	5.6	1.1	1.4
25	0.6	0.5	8.0	1.4	38	74	128	75	21	5.2	1.1	1.2
26	0.6	0.5	7.8	21	35	73	150	73	18	5.0	1.1	1.2
27	0.6	0.5	7.8	3.6	34	71	143	70	18	5.0	1.1	1.6
28	0.6	0.5	6.6	3.0	35	71	141	69	17	3.5	1.3	2.4
29	0.7	0.5	4.4	3.0		65	135	65	17	3.4	1.5	2.5
30	0.7	0.5	3.2	2.8		58	122	62	16	3.2	1.4	2.5
31	0.6		2.6	2.7		55		61		3.1	1.4	
	17.1		358.6		839.3		3497		967		82.1	
		213		901		1471		2487		280.0		46.5
MEAN	0.55	0.71	11.6	2.91	30.0	47.5	117.	80.2	32.2	9.03	2.65	1.55
ACRE-FEET	34.	42.	711.	179.	1660.	2920.	6940.	4930.	1920.	555.	163.	92.

Remarks:

YEAR OR PERIOD MEAN 27.8
ACRE-FEET 20,150.

76DT4M Cib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U15-R

Daily discharge, in second-feet of SAN ANTONIO CREEK below Edison Company Power Plant Diversion for the year ending September 30, 1959

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.5	1.0	0.9	0.8	0.9	1.6	1.0	1.3	0.7	0.5	0.4	0.3
2	1.4	1.0	0.9	0.8	0.9	1.7	1.0	1.3	0.7	0.5	0.4	0.5
3	1.3	1.0	0.9	0.8	0.9	1.6	1.0	1.3	0.7	0.5	0.4	0.5
4	1.2	1.0	0.9	0.8	0.9	1.7	1.0	1.3	0.7	0.4	0.4	0.5
5	1.2	1.0	0.9	0.8	0.9	1.7	1.0	1.3	0.7	0.4	0.4	0.3
6	1.2	1.0	0.9	3.2	0.8	1.6	1.0	1.3	0.7	0.4	0.4	0.5
7	1.2	1.0	0.9	1.5	0.8	1.6	1.0	1.2	0.7	0.4	0.4	0.4
8	1.2	1.0	0.9	1.2	1.3	1.4	1.0	1.1	0.7	0.4	0.4	0.4
9	1.3	1.0	0.9	1.2	1.1	1.4	1.0	1.0	0.7	0.4	0.4	0.4
10	1.1	1.0	0.9	1.2	1.0	1.5	1.0	1.0	0.7	0.4	0.4	0.4
11	1.0	1.0	0.9	1.3	3.3	1.4	1.0	0.9	0.7	0.4	0.4	0.4
12	1.0	1.0	0.9	1.2	3.0	1.4	1.0	0.8	0.7	0.4	0.4	0.4
13	1.0	1.0	0.9	1.2	1.5	1.4	1.0	0.8	0.7	0.4	0.4	0.4
14	1.0	0.9	0.9	1.2	0.9	1.4	0.9	0.8	0.7	0.4	0.4	0.4
15	1.0	0.9	0.9	1.2	1.0	1.4	0.8	0.8	0.7	0.4	0.4	0.4
16	1.0	1.0	0.9	1.2	3.5	1.3	0.7	0.8	0.7	0.4	0.4	0.4
17	1.0	1.0	0.9	1.2	5.6	1.2	0.7	0.7	0.7	0.4	0.4	0.5
18	1.0	1.0	0.9	1.1	2.8	1.2	0.7	0.7	0.7	0.4	0.4	0.5
19	1.0	0.9	0.9	1.0	2.5	1.2	0.7	0.7	0.7	0.4	0.4	0.5
20	1.0	0.9	0.9	1.0	2.4	1.2	0.7	0.7	0.7	0.4	0.4	0.5
21	1.0	1.0	0.9	0.9	2.2	1.1	0.7	0.7	0.7	0.4	0.4	0.5
22	0.9	1.0	0.9	0.9	2.1	1.1	0.7	0.7	0.7	0.4	0.4	0.5
23	1.0	1.0	0.9	0.9	2.0	1.2	0.7	0.7	0.7	0.5	0.4	0.5
24	1.0	1.0	0.9	0.9	1.9	1.2	0.7	0.7	0.7	0.5	0.4	0.5
25	1.0	0.9	0.9	0.8	1.8	1.1	0.9	0.7	0.7	0.5	0.4	0.5
26	1.0	0.9	0.9	0.8	1.8	1.0	1.5	0.7	0.7	0.5	0.4	0.5
27	1.0	0.9	0.9	0.8	1.8	1.0	1.4	0.7	0.7	0.5	0.4	0.5
28	1.0	0.9	0.9	0.8	1.7	1.0	1.3	0.7	0.6	0.5	0.4	0.5
29	1.0	0.9	0.9	0.9		1.0	1.3	0.7	0.6	0.4	0.4	0.5
30	1.0	0.9	0.8	0.9		1.0	1.3	0.7	0.6	0.4	0.4	0.5
31	1.0		0.8	0.9		1.0		0.7		0.4	0.4	
	33.3		27.7		78.8		28.7		20.7		12.4	
		29.0		33.3		40.8		27.5		13.3		12.8
MEAN	1.07	0.47	0.89	1.07	2.81	1.32	0.96	0.89	0.69	0.43	0.40	0.43
ACRE-FEET	66.	58.	55.	66.	156.	81.	57.	55.	41.	26.	25.	25.

Remarks:

YEAR OR PERIOD MEAN 0.98
ACRE-FEET 711.

76DT4M Clb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No.

Daily discharge, in second-feet of SAN ANTONIO CREEK AND SOUTHERN CALIFORNIA EDISON CO'S. CONDUIT near Claremont for the year ending September 30, 19 58

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	7.8	7.9	8.3	28	22	59	152	149	80	42	27	21
2	7.9	10	8.3	28	24	58	147	139	76	41	27	21
3	7.6	10	8.3	27	39	56	219	128	73	41	26	21
4	7.6	9.1	8.7	27	92	55	156	119	69	41	26	20
5	7.6	9.1	12	26	60	52	162	121	67	40	26	20
6	7.6	9.1	9.2	25	59	53	169	126	66	39	26	20
7	7.6	9.1	9.4	25	56	51	124	124	63	39	26	20
8	7.6	8.8	9.2	24	58	50	95	113	62	38	26	20
9	7.5	8.8	8.8	24	58	50	92	109	61	37	26	20
10	7.5	8.8	8.7	24	57	50	105	106	61	36	26	20
11	10	8.9	8.8	23	57	50	109	104	61	36	26	20
12	8.5	8.9	8.8	23	56	48	103	100	61	35	26	20
13	8.1	8.9	8.8	22	52	48	117	95	60	34	26	20
14	9.0	8.9	8.9	22	51	48	119	89	58	34	25	20
15	8.2	8.9	47	21	50	54	114	88	56	33	25	20
16	8.3	8.9	83	21	49	93	112	88	54	33	25	20
17	8.4	9.0	106	20	49	84	122	91	52	33	25	19
18	8.3	8.9	54	19	48	90	123	91	51	32	25	19
19	8.0	8.9	53	19	65	92	130	93	51	33	25	19
20	8.4	8.9	43	19	59	89	150	98	51	32	25	19
21	8.6	8.6	39	18	60	87	168	99	51	32	25	18
22	8.3	8.3	37	18	61	98	154	98	50	31	25	18
23	8.3	8.3	36	18	59	91	151	98	47	31	22	18
24	8.3	8.3	35	18	60	98	130	98	46	31	23	18
25	8.0	8.3	34	18	65	97	151	98	45	30	23	18
26	8.3	8.6	35	45	62	97	173	96	42	30	23	17
27	8.1	8.6	35	26	61	96	166	93	43	30	22	18
28	8.1	8.6	33	23	61	94	164	92	43	28	22	18
29	8.2	8.6	30	24		90	158	88	43	28	22	18
30	8.1	8.6	29	24		83	145	85	42	28	22	18
31	8.3		29	23		79		84		27	21	
	252.1		884.2		1550		4180		1685		765	
		264.6		722		2240		3200		1055		578
MEAN	8.13	8.82	28.5	23.3	55.4	72.3	139.	103.	56.2	34.0	24.7	19.3
ACRE-FEET	500.	525.	1750.	1430.	3070.	4440.	8290.	6350.	3340.	2090.	1520.	1150.

Remarks:

YEAR OR PERIOD MEAN 47.6
ACRE-FEET 34,460.

76DT4M Clb 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No.

Daily discharge, in second-feet of SAN ANTONIO CREEK and Southern California Edison Company's Conduit, for the year ending September 30, 19 59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	18	15	13	10	10	16	15	13	12	9.0	7.5	6.6
2	16	15	11	10	10	16	15	13	12	9.1	7.5	6.6
3	16	15	11	10	10	16	15	12	12	8.8	7.5	6.6
4	16	15	13	10	10	16	15	12	10	8.7	7.5	6.6
5	16	15	13	12	10	16	15	12	10	8.7	7.5	6.6
6	16	15	13	15	9.9	16	15	12	10	8.7	7.5	6.6
7	16	15	11	12	9.9	16	15	12	10	8.7	7.5	6.7
8	16	15	11	11	11	15	15	12	10	8.3	7.2	6.7
9	16	15	11	11	9.8	15	14	12	10	8.3	7.2	6.7
10	16	15	11	11	9.9	16	14	12	10	8.3	7.2	6.7
11	16	15	11	10	24	16	14	13	10	8.4	7.2	6.7
12	17	13	11	10	15	16	14	13	10	8.1	7.2	6.7
13	17	13	11	10	12	16	14	13	10	8.1	7.2	7.2
14	17	13	11	10	11	16	14	13	10	8.1	7.2	8.4
15	17	14	12	10	11	16	14	13	10	8.1	7.2	9.1
16	17	14	12	11	42	17	14	13	10	8.1	7.2	7.8
17	17	14	12	11	23	17	14	13	10	8.1	7.2	7.6
18	17	14	12	10	18	17	14	13	9.8	8.1	7.2	7.5
19	17	13	12	10	16	17	14	13	9.5	8.1	7.2	7.3
20	16	13	12	10	15	17	13	13	9.6	8.1	7.2	7.1
21	16	13	12	10	15	17	13	11	9.6	8.1	7.2	7.1
22	16	13	12	10	14	17	13	11	9.6	8.1	7.2	7.1
23	16	13	12	10	15	17	13	11	9.6	7.9	7.2	7.1
24	16	13	12	10	15	17	13	11	9.6	7.9	7.0	7.1
25	16	13	12	10	15	17	13	11	9.6	7.6	7.0	7.1
26	16	13	12	10	15	17	14	11	9.6	7.6	7.0	7.1
27	15	13	12	10	16	16	13	11	9.5	7.6	7.0	7.1
28	15	13	12	10	16	16	13	11	9.4	7.6	7.0	7.1
29	16	13	12	10		16	13	12	9.1	7.5	7.0	6.8
30	16	13	12	10		16	13	12	9.1	7.5	7.0	6.8
31	16		10	10		16		12		7.5	7.0	
	504		364		408.5		418		299.6		223.7	
		416		324		505		376		252.8		211.0
MEAN	16.3	13.9	11.7	10.5	14.6	16.3	13.9	12.1	9.99	8.15	7.22	7.03
ACRE-FEET	1000.	825.	722.	643.	810.	1000.	829.	746.	594.	501.	444.	419.

Remarks:

YEAR OR PERIOD MEAN 11.8
ACRE-FEET 8530.

STATION F323-R
SAN ANTONIO CREEK above Stoddard Canyon

LOCATION: WATER STAGE RECORDER, LAT. 34°10'40". LONG. 117°40'30", ON THE DOWNSTREAM SIDE OF BRIDGE, CAMP BALDY ROAD, 1.4 MILES ABOVE SAN ANTONIO DAM. ELEVATION OF ZERO GAGE HEIGHT 2465 FEET.

DRAINAGE AREA: 22.2 SQUARE MILES.

CHANNEL AND CONTROL: NATURAL, ROCKY, BOULDERS AND GRAVEL. NO ARTIFICIAL CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING, HIGH FLOWS MEASURED FROM CAT-WALK ON UPSTREAM SIDE OF BRIDGE.

RECORDER: AN H.C.F. CONTINUOUS RECORDER IN SERVICE FROM OCTOBER 1, 1957 TO SEPTEMBER 30, 1959.

REGULATION: NONE.

DIVERSIONS: THERE ARE DIVERSIONS FOR IRRIGATION AND POWER DEVELOPMENT.

RECORDS AVAILABLE: AT STATION F151-R, FEBRUARY 20, 1931 TO MARCH 31, 1955 AND AT STATION F323-R, FEBRUARY 1, 1956 TO SEPTEMBER 30, 1959. NO RECORD FROM MARCH 31, 1955 TO FEBRUARY 1, 1956 DUE TO SAN ANTONIO DAM CONSTRUCTION.

EXTREMES OF DISCHARGE:
1957-58
MAXIMUM 700 SECOND-FEET ESTIMATED APRIL 3.
MINIMUM NO FLOW PART OF YEAR.
1958-59
MAXIMUM 84 SECOND-FEET FEBRUARY 16.
MINIMUM NO FLOW PART OF YEAR.
1930-59
MAXIMUM 23,400 SECOND-FEET ESTIMATED MARCH 2, 1938 AT STATION F151-R.
MINIMUM NO FLOW FOR SEVERAL MONTHS EACH YEAR.

ACCURACY: POOR.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF SAN ANTONIO CREEK

AT above Stoddard Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1936

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
57	11/3	0945 / 0950	MIDDLETON-TREAT	9.0	3.61	1.94	4.08	7.0		.6	10	-.02	FC54
58	11/3	0945 / 0955	MIDDLETON	6.0	1.44	0.70	3.74	1.0		.6	7	0	"
59	12/15	1359 / 1407	SARASUA-MC BRIDE	12.0	4.88	2.42	4.11	11.8		.6	12	-.02	"
60	12/16	1105 / 1125	" "	17.0	14.0	4.83	4.28	67.6		.6	17	-.02	"
61	12/17	0535 / 0600	" "	20.5	26.0	5.96	4.63	155.		.6	12	+.01	"
62	12/17	1015 / 1035	SARASUA	18.0	17.2	4.92	4.59	84.7		.6	12	-.02	"
63	12/18	0845 / 0920	"	17.5	14.9	5.19	4.40	77.4		.6	19	-.03	FC43
64	12/19	1455 / 1515	"	12.0	10.2	3.43	4.39	35.0		.6	15	0	"
65	12/20	1522 / 1538	SARASUA-STUNDEN	11.5	9.28	2.97	4.35	27.5		.6	18	0	"
66	12/26	1610 / 1630	SARASUA	10.0	5.34	2.40	4.28	12.8		.6	12	+.01	"
67	1/2	1615 / 1635	"	9.5	3.58	1.96	4.27	7.0		.6	13	0	"
68	1/8	1347 / 1409	"	9.6	3.49	1.66	4.26	5.8		.6	13	0	"
69	1/15	1120 / 1145	"	5.0	1.92	0.74	3.86	1.4		.5	10	0	"
70	1/23	1315 / 1323	SARASUA-STUNDEN	4.2	1.56	0.76	3.81	1.2		.5	9	0	FC49
71	1/26	0020 / 0035	SARASUA-PITTS	9.2	4.39	2.10	4.19	9.2		.5	12	+.03	FC43
72	1/26	1530 / 1540	" "	10.6	5.55	2.80	4.25	15.5		.5	12	0	"
73	1/29	1104 / 1117	SARASUA	4.6	2.46	1.39	3.84	3.4		.6	10	0	FC49
74	2/3	0155 / 0205	SARASUA-PITTS	7.2	3.97	1.13	3.95	4.5		.6	10	0	FC43
75	2/3	0650 / 0702	" "	11.0	9.79	2.82	4.28	27.6		.6	14	+.05	"
76	2/3	0709 / 0726	" "	11.0	9.26	2.88	4.29	26.7		.6	8	0	"
77	2/3	1137 / 1149	" "	10.8	8.00	2.17	4.21	17.4		.6	13	0	"
78	2/4	1430 / 0445	" "	18.0	19.4	4.32	4.16	84.6		.6	12	-.22	"
79	2/5	1135 / 1157	SARASUA	18.7	17.9	4.29	4.38	77.1		.6	13	-.01	"
80	2/8	0914 / 0937	SARASUA	17.8	12.2	3.50	4.36	42.6		.6	20	0	FC43
81	2/12	1350 / 1405	"	17.0	11.4	2.96	4.28	33.7		.6	14	+.01	"
82	2/19	1202 / 1220	SARASUA-PITTS	18.5	22.7	3.98	4.43	90.4		.6	16	+.06	"
83	2/19	1635 / 1650	" "	16.2	15.9	3.40	4.33	53.8		.6	16	-.05	"
84	2/20	1504 / 1525	SARASUA	18.0	10.7	4.05	4.33	43.4		.6	18	0	"
85	2/25	1300 / 1317	"	16.5	11.2	3.49	4.34	38.8		.6	18	-.02	"
86	2/25	1321 / 1337	SARASUA-PITTS	17.6	14.0	3.42	4.34	48.2		.6	19	+.01	"
87	2/26	1335 / 1355	SARASUA	18.0	13.3	3.35	4.35	44.6		.6	19	-.03	"
88	3/5	1250 / 1315	"	16.7	9.92	3.22	4.25	32.1		.6	18	+.01	"
89	3/12	1000 / 1012	"	6.5	10.4	2.94	4.30	30.7		.6	15	0	"
90	3/15	1620 / 1630	SARASUA-PITTS	17.0	12.9	3.23	4.32	41.9		.6	15	0	"
91	3/15	1832 / 1850	" "	11.5	12.3	2.62	4.30	32.4		.6	14	0	"
92	3/15	2115 / 2125	" "	17.5	14.7	3.55	4.43	52.2		.6	12	+.03	"
93	3/15	2325 / 2340	" "	19.5	17.3	4.61	4.43	79.9		.6	13	-.03	"
94	3/16	0755 / 0810	" "	21.0	23.1	4.85	4.42	112.		.6	15	+.01	"
95	3/16	1058 / 1110	" "	21.0	21.2	4.61	4.47	97.2		.6	15	-.05	"
96	3/17	1050 / 1110	SARASUA	19.5	18.2	4.40	4.40	80.6		.6	18	0	"
97	3/18	1132 / 1154	"	18.0	17.5	4.46	4.41	78.1		.6	17	0	"
98	3/19	1125 / 1145	"	19.5	18.1	4.55	4.40	82.5		.6	17	0	"
99	3/20	2125 / 2140	SARASUA-PITTS	21.0	20.0	3.82	4.40	76.7		.6	16	0	"
100	3/21	0130 / 0145	" "	23.0	21.7	4.10	4.37	88.9		.6	16	-.01	"
101	3/21	0205 / 0220	" "	23.0	22.1	4.24	4.36	93.6		.6	17	+.01	"
102	3/21	0520 / 0539	" "	18.5	20.1	4.48	4.38	90.1		.6	21	-.03	"

DISCHARGE MEASUREMENTS OF SAN ANTONIO CREEK

AT NEAR above Stoddard Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1959

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	S. HT. CHANGE TOTAL	METER NO.
103	3/26	0955 / 1020	SARASUA	20.0	20.0	4.34	4.47	86.7		.6	22	0	FC43
104	3/27	1715 / 1730	"	18.5	20.8	4.70	4.55	97.8		.6	15	-.11	"
105	4/1	0800 / 0810	SARASUA-PITTS	26.0	27.4	4.74	4.87	130.		.6	10	+.09	"
106	4/1	0822 / 0840	" "	26.0	29.8	5.20	4.85	154.		.6	16	-.06	"
107	4/10	1400 / 1425	SARASUA	24.0	27.3	4.35	5.90	118.		.6	25	0	FC54
108	4/12	1432 / 1452	"	25.0	26.6	4.55	5.86	121.		.6	17	0	"
109	4/18	0855 / 0915	"	22.5	26.0	4.81	5.90	125.		.6	16	0	"
110	4/23	1125 / 1140	"	23.0	30.2	5.23	6.15	158.		.6	14	0	"
111	4/30	1135 / 1205	"	21.0	26.1	4.80	5.85	125.		.6	13	0	"
112	5/7	1100 / 1115	"	21.5	25.8	4.46	5.82	115.		.6	13	0	"
113	5/14	0920 / 0940	"	17.5	19.3	4.14	5.78	79.2		.6	13	0	"
114	5/19	1255 / 1320	"	16.0	17.9	3.98	5.72	71.2		.6	18	0	"
115	5/21	1010 / 1040	"	17.5	19.0	4.00	5.70	76.0		.6	19	0	"
116	5/28	0938 / 0953	SARASUA-MC BRIDE	16.5	17.3	3.36	5.83	58.2		.6	19	0	"
117	6/4	0955 / 1012	" "	16.5	16.7	2.80	5.72	46.7		.6	19	0	"
118	6/11	0935 / 0955	SARASUA	16.5	14.2	2.89	5.72	40.7		.6	19	0	"
119	6/18	0947 / 1002	"	14.5	13.1	2.98	5.72	38.9		.6	16	0	"
120	6/25	1030 / 1050	"	13.8	10.1	2.71	5.70	27.3		.6	16	0	"
121	7/2	0904 / 0916	SARASUA-MC BRIDE	12.5	8.38	2.84	5.67	23.8		.6	15	0	"
122	7/9	0955 / 1011	SARASUA	11.3	7.88	2.56	5.67	20.2		.6	14	0	"
123	7/16	1018 / 1033	MC BRIDE	9.9	6.28	2.08	5.52	13.0		.6	13	0	"
124	7/23	1105 / 1126	"	9.9	7.67	1.53	5.56	11.8		.6	14	0	"
125	7/30	0951 / 1010	"	14.5	10.4	0.85	5.50	8.7		.6	16	0	"
126	8/6	1112 / 1122	SARASUA	8.8	5.95	1.29	5.49	7.7		.6	12	0	"
127	8/13	1520 / 1530	"	8.4	4.89	1.14	5.35	5.6		.6	11	0	FC49
128	8/20	1350 / 1358	"	8.5	3.52	1.13	5.27	4.0		.6	11	0	"
129	8/27	1156 / 1208	MC BRIDE	11.0	3.75	0.32		1.2		.5	11		"
130	9/3	1310 / 1321	"	8.0	1.74	0.86	5.15	1.50		.5	9	0	"
131	9/10	1248 / 1258	"	6.0	1.71	0.64	5.13	1.1		.5	8	-.01	"
132	9/17	1232 / 1246	"	5.5	1.40	0.64	5.08	0.9		.5	12	0	"
133	9/24	1230 / 1242	SARASUA	5.5	1.62	0.99	5.15	1.6		.6	11	0	"
134	10/1	1301 / 1311	MC BRIDE	5.0	1.43	0.70	5.23	1.0		.5	10	0	FC49
135	1/6	0606 / 0617	SARASUA-MC BRIDE	9.2	7.50	2.57	5.84	19.3		.6	15	+.03	FC54
136	1/6	0803 / 0816	" "	11.4	6.88	1.93	5.73	13.3		.6	23	-.04	"
137	1/7	1021 / 1037	MC BRIDE	7.0	2.16	1.25	5.45	2.7		.6	15	0	FC49
138	1/14	1220 / 1232	"	4.7	1.24	0.89	5.36	1.1		.5	11	0	"
139	1/21	1242 / 1250	"	3.4	0.90	1.11	5.37	1.0		.5	8	0	"
140	1/28	1133 / 1145	"	3.4	0.94	1.07	5.37	1.1		.5/.6	10	0	"
141	2/4	1112 / 1126	"	3.4	0.98	1.02	5.36	1.0		.5/.6	10	0	"
142	2/8	1109 / 1115	SARASUA-MC BRIDE	3.4	1.44	1.67	5.49	2.4		.6	10	0	"
143	2/11	0847 / 0857	" "	16.0	13.2	3.58	6.11	47.2		.6	18	-.02	FC54
144	2/12	1539 / 1554	" "	9.0	6.90	1.12	5.58	7.7		.6	16	0	FC49
145	2/16	0846 / 0856	" "	9.2	3.87	3.28	5.48	5.6		.6	16	0	"
146	2/16	1211 / 1220	" "	14.5	9.13	2.69	5.86	24.6		.6	17	+.04	"
147	2/18	1434 / 1447	MC BRIDE	9.0	7.25	0.94	5.52	6.8		.6	12	0	FC33
148	2/21	1512 / 1519	SARASUA-MC BRIDE	8.9	6.45	0.81	5.46	5.2		.6	11	0	FC49
149	2/25	1348 / 1403	MC BRIDE	6.0	2.26	1.24	5.37	2.8		.6	13	0	"
150	3/4	1111 / 1123	"	4.0	1.60	1.25	5.31	2.0		.5/.6	9	0	"
151	3/11	1040 / 1052	"	4.0	1.39	1.15	5.29	1.6		.6	9	0	"
152	3/18	1046 / 1056	"	4.0	1.45	0.83	5.09	1.2		.5	7	0	FC33
153	3/25	1211 / 1221	"	4.0	1.41	0.85	5.10	1.2		.5/.6	7	0	FC49
154	4/1	1400 / 1408	"	2.3	0.78	1.15	5.08	0.90		.6	6	0	"
155	4/8	1357 / 1405	"	2.3	0.76	1.00	5.10	0.76		.6	6	0	"
156	4/5	0926 / 0934	"	2.2	0.75	1.19	5.11	0.89		.5	5	0	"
157	4/22	1154 / 1202	"	2.0	0.58	1.23	5.09	0.72		.5	5	0	"
158	4/26	0146 / 0152	SARASUA-MC BRIDE	7.0	3.54	0.96	5.30	3.4		.6	10	0	FC54
159	4/29	1327 / 1335	MC BRIDE	2.0	0.73	1.34	5.10	0.98		.6	5	-.01	FC49
160	5/6	1151 / 1155	SARASUA	2.0	0.63	1.41	5.10	0.89		.6	6	0	"
161	5/13	1132 / 1140	MC BRIDE	2.0	0.74	1.27	5.09	0.94		.6	5	0	"
162	5/20	1230 / 1238	"	2.0	0.72	1.29	5.09	0.93		.6	5	0	"
163	5/27	1053 / 1100	MC BRIDE - BOWMAN	2.0	0.75	1.33	5.10	1.0		.6	5	0	"
164	6/3	1352 / 1358	MC BRIDE	2.0	0.69	1.09	5.08	0.75		.6	5	0	"
165	6/10	1040 / 1048	"	2.0	0.68	1.00	5.08	0.68		.6	5	0	"
166	6/17	1415 / 1420	SARASUA	1.8	0.38	0.71	5.03	0.27		.6	7	0	"
167	6/24	0955 / 1002	"	1.6	0.36	1.17	5.05	0.42		.6	7	0	"
168	7/1	1156 / 1200	MC BRIDE	1.0	0.26	1.35	5.05	0.35		.5	3	0	"
169	7/8	1337 / 1341	"	1.0	0.20	1.05	4.98	0.21		.5	3	0	"

76D74M Gib 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F323-R

Daily discharge, in second-feet of SAN ANTONIO CREEK above Stoddard Canyon for the year ending September 30, 1958

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	7.6	1.4	37	v 234	v 127	v 57	23	7.8	v 1.3
2	0	+	0	7.0	2.5	34	140	123	v 45	23	7.2	1.4
3	0	1.9	0	6.7	31	37	343	109	v 41	23	7.2	1.5
4	0	0.2	0	6.4	205	31	247	120	46	22	7.2	1.4
5	0	0	0	5.8	79	31	215	110	45	22	7.2	1.3
6	0	0	0	6.4	55	49	197	111	45	20	7.2	1.3
7	0	0	0	7.3	46	55	215	112	44	v 16	7.2	1.2
8	0	0	0	6.4	40	61	199	112	42	v 14	8.3	1.2
9	0	0	0	4.3	37	52	178	116	42	14	7.8	1.1
10	0	0	0	3.7	37	46	152	108	41	14	7.2	1.1
11	0	0	0	5.0	40	37	122	113	41	13	7.8	1.1
12	0	0	0	2.7	40	34	105	100	41	13	7.2	1.1
13	0	0	0	2.0	34	28	133	91	38	13	5.6	1.0
14	0	0	0	1.7	28	19	111	86	34	13	v 5.5	1.0
15	0	0	31	1.4	23	35	108	81	34	13	5.3	0.9
16	0	0	7.6	1.3	17	107	115	81	40	11	5.2	0.9
17	0	0	9.9	1.4	14	86	113	81	38	11	5.1	0.9
18	0	0	7.7	1.3	13	80	126	82	36	11	5.0	0.9
19	0	0	4.8	1.2	58	83	141	84	36	11	4.5	0.9
20	0	0	3.1	1.2	43	76	155	84	32	11	4.0	0.9
21	0	0	2.5	1.4	46	92	169	85	v 30	11	4.0	0.9
22	0	0	2.5	1.4	34	104	130	82	27	11	3.5	1.0
23	0	0	2.3	1.4	43	92	177	77	26	11	3.0	1.3
24	0	0	1.9	1.6	46	92	167	78	26	11	2.5	1.6
25	0	0	1.7	2.0	62	101	164	79	v 26	9.8	2.0	1.5
26	0	0	1.3	2.2	43	83	158	73	26	9.8	1.5	1.4
27	0	0	1.2	7.0	49	89	153	71	26	9.3	1.2	1.3
28	0	0	1.1	3.7	49	86	143	67	25	8.3	1.2	1.2
29	0	0	1.0	3.4		76	136	62	24	7.8	1.2	1.1
30	0	0		9.3		31	v 133	60	23	7.8	1.2	v 1.0
31	0			8.2		23		v 61		7.8	v 1.2	
	0		5345		1215.8		4929		1077		152.0	
		2.1		130.7		188.7		2826		415.6		34.7
MEAN	0	0.07	17.2	4.22	43.4	60.9	159.	91.2	35.9	13.4	4.90	1.16
ACRE-FEET	0	4.0	1060.	259.	2410.	3740.	9780.	5600.	2140.	824.	301.	69.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 35.2
ACRE-FEET 26,190.

FSD74M Oct 1959

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

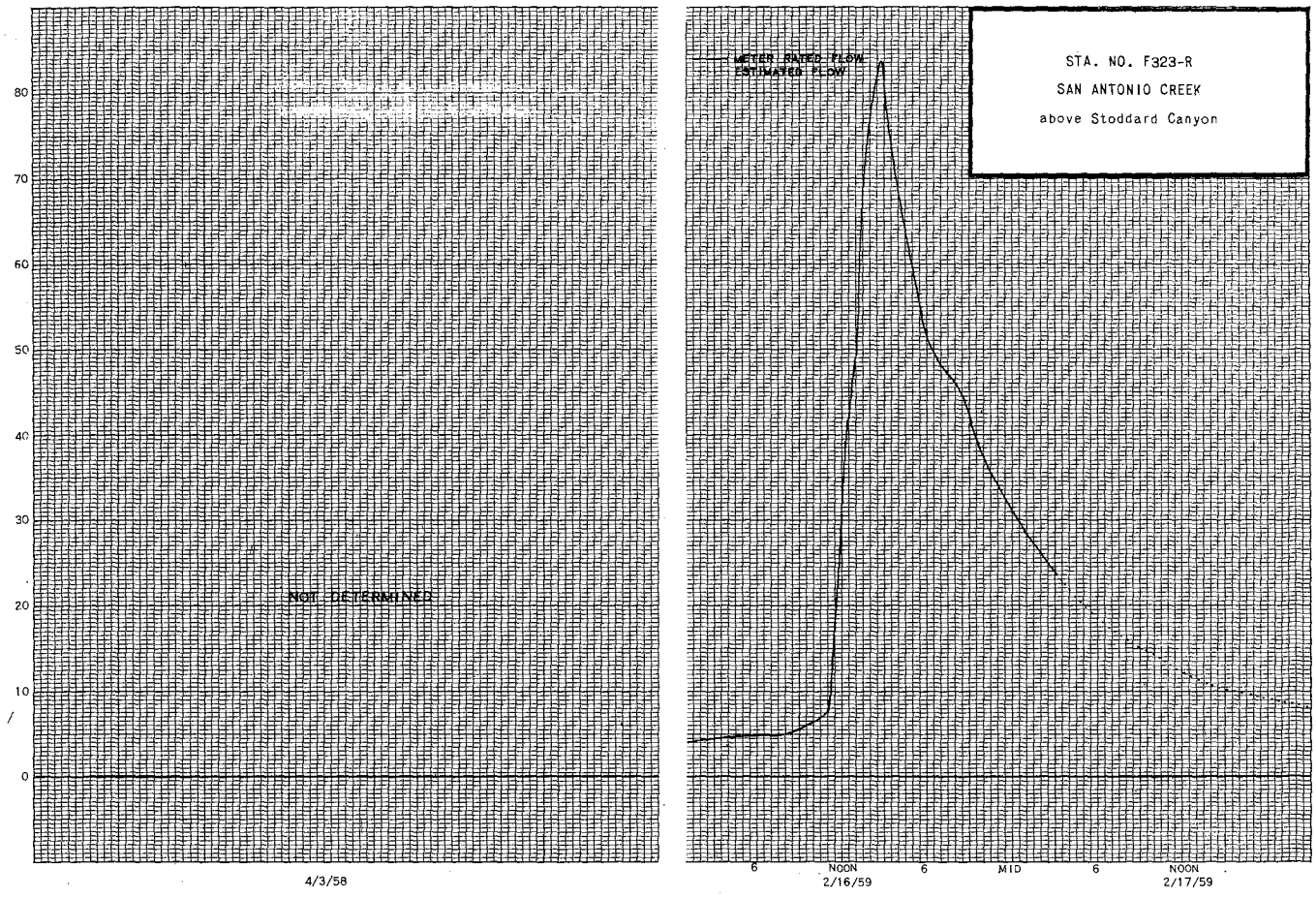
Sta. No. F323-R

Daily discharge, in second-feet of SAN ANTONIO CREEK above Stoddard Canyon for the year ending September 30, 19 59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.0	4.6	0	0	0.9	2.5	0.9	1.4	1.0	0.3	0	0
2	0	0	0	0	0.9	2.4	0.9	1.5	0.8	0.3	0	0
3	0	0	0	0	0.9	2.2	0.9	1.3	0.8	0.3	0	0
4	0	0	0	0	0.9	2.2	0.9	1.2	0.6	0.3	0	0
5	0	0	0	0	1.1	2.2	0.9	1.1	0.7	0.3	0	0
6	0	0	0	7.8	1.2	2.2	0.9	0.8	0.8	0.3	0	0
7	0	0	0	2.5	1.5	2.2	0.8	0.8	0.8	0.3	0	0
8	0	0	0	1.7	2.2	2.2	0.8	0.9	0.8	0.3	0	0
9	0	0	0	1.5	1.9	2.2	0.8	0.9	0.7	0.3	0	0
10	0	0	0	1.3	1.9	1.9	0.7	0.9	0.7	0.2	0	0
11	0	0	0	1.1	2.4	1.7	0.6	0.8	0.6	0.2	0	0
12	0	0	0	1.1	7.6	1.6	0.6	0.8	0.5	0.2	0	0
13	0	0	0	1.1	5.1	1.6	0.6	0.8	0.5	+	0	0
14	0	0	0	1.1	3.8	1.7	0.7	0.8	0.3	0	0	0
15	0	0	0	1.0	3.3	1.6	0.8	0.8	0.3	0	0	0
16	0	0	0	1.0	2.9	1.4	0.8	0.8	0.3	0	0	0
17	0	0	0	1.0	1.3	1.3	0.8	0.8	0.3	0	0	0
18	0	0	0	1.1	7.0	1.2	0.8	0.8	0.3	0	0	0
19	0	0	0	1.1	5.6	1.2	0.8	0.8	0.3	0	0	0
20	0	0	0	1.1	4.8	1.2	0.7	0.8	0.3	0	0	0
21	0	0	0	1.0	5.1	0.2	0.7	0.8	0.3	0	0	0
22	0	0	0	1.0	4.6	0.4	0.7	0.8	0.3	0	0	0
23	0	0	0	1.0	4.1	0.6	0.7	0.8	0.3	0	0	0
24	0	0	0	1.0	3.3	0.6	0.7	0.9	0.4	0	0	0
25	0	0	0	1.1	3.0	1.2	1.1	1.0	0.5	0	0	0
26	0	0	0	1.2	2.8	1.2	2.0	0.9	0.6	0	0	0
27	0	0	0	1.1	2.7	1.3	1.3	0.6	0.5	0	0	0
28	0	0	0	1.1	2.7	1.2	1.1	0.8	0.5	0	0	0
29	0	0	0	1.0		1.2	1.1	0.7	0.3	0	0	0
30	0	0	0	1.0		1.4	1.2	0.7	0.3	0	0	0
31	6.1		0	0.9		1.0		0.9		0	0	
	7.1		0		144.9		26.3		15.6		0	
		4.6		36.9		47.0		27.9		3.3		0
MEAN	0.23	0.15	0	1.19	5.17	1.51	0.88	0.90	0.52	0.11	0	0
ACRE-FEET	14.	9.1	0	73.	287.	93.	52.	55.	31.	6.5	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.86
ACRE-FEET 621.



STATION F332-R
SAN ANTONIO WATER COMPANY DIVERSION
near Ontario No. 1 Power House

LOCATION: WATER-STAGE RECORDER, LAT. 34°10'23", LONG. 117°40'32", ON THE RIGHT (NORTH) BANK OF THE DIVERSION CHANNEL ABOVE WATER COMPANY'S DISTRIBUTION BOX AT ONTARIO NO. 1 POWER HOUSE.

CHANNEL AND CONTROL: CHANNEL, RECTANGULAR CONCRETE 10 FEET WIDE AND 46 INCHES DEEP. CONTROL IS WIDE CRESTER WEIR, BUILT INTO CHANNEL.

DISCHARGE MEASUREMENTS: MEASUREMENTS MADE ABOVE WEIR.

RECORDER: A STEVENS TYPE "F" RECORDER IN SERVICE FROM OCTOBER 1, 1957 TO SEPTEMBER 30, 1959.

REGULATION: FLOW CAN BE REGULATED BY DIVERSION GATES AT SAN ANTONIO CREEK.

RECORDS AVAILABLE: FEBRUARY 4, 1957 TO SEPTEMBER 30, 1959.

EXTREMES OF DISCHARGE:
1957-58
MAXIMUM 28 SECOND-FEET JANUARY 7.
MINIMUM NO FLOW AT VARIOUS TIMES.
1958-59
MAXIMUM NO RECORD OF PEAK FLOW
MINIMUM NO FLOW AT VARIOUS TIMES.
1957-59
MAXIMUM 28 SECOND-FEET JANUARY 7, 1958.
MINIMUM NO FLOW AT VARIOUS TIMES EACH YEAR.

ACCURACY: GOOD.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF SAN ANTONIO WATER CO. DIVERSION
AT OR NEAR Ontario No. 1 Power House DURING THE YEAR ENDING SEPTEMBER 30, 19 58

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
34	11/2	0115 / 0120	MIDDLETON-TREAT	8.0	2.37	2.28		5.4		.6	9		FC54
35	11/3	1012 / 1025	MIDDLETON	3.5	0.70	1.04	0.01	0.73		.5	8	0	"
36	12/19	1540 / 1610	SARASUA	7.8	4.43	3.23	0.32	14.3		.6	16	0	FC43
37	12/20	1618 / 1635	"	7.3	4.08	2.70	0.35	11.0		.6	16	0	"
38	12/26	1650 / 1705	"	7.5	3.12	1.76	0.32	5.5		.6	10	0	"
39	1/2	1700 / 1720	"	7.4	2.33	1.84	0.14	4.3		.5	9	0	"
40	1/8	1455 / 1505	"	7.0	2.54	1.79	0.24	4.6		.6	10	0	FC49
41	1/15	1235 / 1250	"	6.5	1.17	0.73	0.08	0.85		.5	9	0	"
42	1/22	1710 / 1720	"	3.4	0.54	0.93	0.07	0.50		.5	8	0	"
43	1/26	0805 / 0220	SARASUA-PITTS	7.2	3.49	1.85	0.08	6.5		.5	10	0	FC43
44	1/26	1555 / 1600	" "	3.1	0.51	1.41		0.72		.5	5	0	"
45	1/29	1154 / 1211	SARASUA	6.6	2.05	0.90	0.17	1.8		.6	12	0	FC49
46	2/3	0310 / 0325	SARASUA-PITTS	6.4	2.08	1.13	0.01	2.3		.5	12	0	FC43
47	2/12	1310 / 1320	SARASUA	3.2	0.76	0.99	0.12	0.77		.5	7	0	"
48	2/26	1415 / 1425	"	6.3	1.87	1.07	0.07	2.0		.5	9	0	"
49	3/5	1350 / 1355	"	3.5	0.89	0.79	0.11	0.78		.6	6	0	"
50	3/12	1035 / 1040	"	5.8	1.38	1.01	0.15	1.4		.6	8	0	"
51	3/19	1235 / 1247	"	7.0	3.28	1.65	0.16	5.4		.6	11	0	"
52	6/25	1225 / 1255	"	CHANNELS				5.3		.6	21	0	FC54 FC49
53	7/2	1056 / 1110	SARASUA-MC BRIDE		"			5.7		.6	19	0	FC49
54	7/9	1157 / 1225	SARASUA		"			5.6		.6	20	0	"
55	7/16	1115 / 1144	MC BRIDE		"			6.2	.5	.6	20	0	"
56	7/23	1203 / 1233	"		"			5.3	.5	.6	20	0	"
57	7/30	1221 / 1244	"		"			5.5	.5	.6	21	0	"
58	8/6	1025 / 1040	SARASUA	6.3	3.69	1.65	0.34	6.1		.6	13	0	FC54
59	8/13	1540 / 1553	"	5.8	2.83	1.31	0.25	3.7		.6	13	0	FC49
60	8/20	1415 / 1425	"	6.0	2.56	0.82	0.19	2.1		.6	13	0	"
61	8/27	1241 / 1250	MC BRIDE	6.0	2.22	0.50	0.15	1.1		.5	8	0	"
62	9/3	1118 / 1130	"	5.0	1.10	0.55	0.11	0.61		.5	11	0	"
63	9/10	1104 / 1116	"	4.7	0.90	0.58	0.09	0.52		.5	11	0	"
64	9/17	1110 / 1121	"	4.5	0.79	0.47	0.08	0.37		.5	10	0	"
65	9/24	1255 / 1305	SARASUA	4.0	0.80	0.60	0.10	0.48		.6	9	0	"

DISCHARGE MEASUREMENTS OF SAN ANTONIO WATER CO. DIVERSION
AT OR NEAR Ontario No. 1 Power House DURING THE YEAR ENDING SEPTEMBER 30, 19 59

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
66	10/1	1138 / 1150	MC BRIDE	4.5	0.78	0.53	0.08	0.41		.5	10		FC49
67	1/7	1258 / 1311	"	4.5	1.48	1.49	0.17	2.2		.6	10	0	"
68	1/14	1241 / 1253	"	4.4	0.86	0.53	0.03	0.46		.5	11		"
69	1/21	1258 / 1306	"	3.0	0.57	0.65	0.46	0.37		.5	7		"
70	1/28	1216 / 1226	"	3.2	0.64	0.63	0.44	0.40		.5	9		"
71	2/4	1137 / 1147	"	3.4	0.66	0.68	0.45	0.45		.5	9	0	"
72	2/6	1221 / 1228	SARASUA-MC BRIDE	3.3	0.95	1.89	0.58	1.8		.6	12	0	"
73	2/16	0919 / 0933	" "	9.0	3.48	1.18	0.69	4.1		.6	20		"
74	2/16	1237 / 1256	" "	COMPOSITE				0.93	10.6	.6	23		FC54
75	2/18	1230 / 1248	MC BRIDE	9.6	5.57	0.97	0.84	5.4		.6	15		FC33
76	2/21	1530 / 1544	SARASUA-MC BRIDE	9.3	4.93	0.77	0.77	3.8		.6	18	0	FC49
77	2/25	1430 / 1444	MC BRIDE	5.5	1.83	1.42	0.68	2.6		.6	12		"
78	3/4	1206 / 1216	"	6.0	1.65	0.97	0.63	1.6		.5	9		"
79	3/11	1122 / 1136	"	5.6	1.50	0.87	0.60	1.3		.5	10		"
80	3/25	1313 / 1323	"	3.5	0.77	0.99	0.57	0.76		.5	8		"
81	4/1	1446 / 1500	"	3.5	0.68	0.60	0.56	0.40		.5	8		"
82	4/8	1426 / 1435	"	3.5	0.68	0.78	0.57	0.53		.5	6		"
83	4/15	1027 / 1035	"	3.5	0.70	0.84	0.58	0.59		.5	6		"
84	4/22	1222 / 1228	"	2.0	0.40	1.10	0.56	0.44		.5	5		"
85	4/26	0245 / 0250	SARASUA-MC BRIDE	3.5	1.26	1.51	0.65	1.9		.6	8		FC54
86	4/29	1346 / 1354	MC BRIDE	2.0	0.41	1.39	0.48	0.57		.5	5		FC49
87	5/6	1230 / 1235	SARASUA	2.0	0.41	1.27	0.48	0.52		.6	5		"
88	5/13	1208 / 1216	MC BRIDE	2.0	0.40	1.35	0.49	0.54		.5	5		"
89	5/20	1257 / 1305	"	2.0	0.39	1.26	0.48	0.49		.5	5		"
90	5/27	1114 / 1122	MC BRIDE-BOWMAN	2.0	0.39	1.18		0.46		.5	5		"
91	6/3	1408 / 1414	MC BRIDE	2.0	0.28	0.82	0.44	0.23		.5	5		"
92	6/10	1058 / 1106	"	2.0	0.33	0.88	0.45	0.29		.5	5	0	"

FADT4M Cdb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F332-R

Daily discharge, in second-feet of SAN ANTONIO WATER CO. DIVERSION near Ontario No. 1 Power House, for the year ending September 30, 1958

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	6.8	1.5	0.9	[2] 0	6.8	4.8	5.1	6.4	0.5
2	0	+	0	3.0	1.1	1.2	0	5.9	5.1	5.1	6.8	0.5
3	0	+	0	3.0	+	1.1	0.1	5.9	7.6	5.1	6.4	0.4
4	0	0	0	2.1	+	1.1	0	5.1	8.5	5.1	5.9	0.4
5	0	0	0	0.8	0	0.9	0	8.0	6.8	5.1	5.9	0.4
6	0	0	0	9.0	0.6	1.4	0	9.3	6.8	5.1	5.9	0.4
7	0	0	0	2.3	1.1	1.1	+	8.9	6.4	5.1	5.5	0.4
8	0	0	0	1.3	0.3	0.9	0	8.5	5.9	5.1	5.5	0.4
9	0	0	0	2.2	0.1	0.8	3.0	8.0	5.9	5.1	5.1	0.4
10	0	0	0	1.7	0.7	0.7	4.6	7.6	5.9	5.1	4.8	0.4
11	0	0	0	1.5	0.7	0.9	5.1	6.4	6.4	6.4	4.6	0.3
12	0	0	0	1.2	0.6	1.3	5.1	5.9	6.4	6.8	4.6	0.4
13	0	0	0	1.1	0.5	1.4	4.8	4.8	5.5	6.8	4.3	0.4
14	0	0	[d] 0	0.9	0.4	1.2	4.6	6.0	5.1	4.8	4.3	0.3
15	0	0	[d] +	0.9	0.4	1.3	5.5	6.4	5.1	5.1	4.6	0.2
16	0	0	+	0.9	0.3	+	5.1	6.8	5.1	5.9	4.3	0.1
17	0	0	[d] +	0.8	0.2	0.6	5.5	7.2	4.8	5.5	3.6	0.2
18	0	0	0.4	0.7	0.2	1.1	13	6.8	4.6	5.5	2.8	0.2
19	0	0	4.5	0.6	0.3	1.6	12	7.6	5.5	5.1	2.5	0.2
20	0	0	6.2	0.6	0.7	1.7	6.0	8.5	5.8	5.5	2.5	0.1
21	0	0	7.3	0.5	0.4	0.7	2.8	8.9	7.2	5.5	2.3	0.1
22	0	0	6.8	0.6	0.2	0.1	5.8	8.5	6.4	5.5	2.0	0.2
23	0	0	5.9	0.6	0.2	0	5.9	8.0	6.4	5.5	2.5	0.4
24	0	0	7.2	0.6	0.7	1.4	6.4	7.6	5.9	5.5	2.0	0.4
25	0	0	6.8	0.7	0.9	1.5	6.4	7.2	5.5	5.9	1.7	0.9
26	0	0	5.9	0.1	0.3	1.0	6.4	5.9	4.6	5.9	1.2	0.5
27	0	0	5.9	0.6	0.4	[2] 0	6.4	5.5	5.9	5.9	1.1	0.4
28	0	0	6.4	1.4	1.0	0	6.8	5.5	5.9	5.5	0.9	0.4
29	0	0	5.5	1.9		0	8.5	4.8	5.9	5.9	0.9	0.4
30	0	0	5.1	1.9		0	7.6	4.3	5.9	5.9	0.8	0.4
31	0		6.5	1.7		[d] 0		4.6		5.9	0.7	
	0		80.6		13.9		137.4		177.6		112.6	
		+		84.4		26.0		211.2		171.3		10.7
MEAN	0	+	2.60	2.72	0.50	0.84	4.58	6.81	5.92	5.53	3.63	0.36
ACRE-FEET	0	+	160.	167.	28.	52.	272.	419.	352.	340.	223.	21.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 2.81
ACRE-FEET 2030.

FADT4M Cdb 12-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F332-R

Daily discharge, in second-feet of SAN ANTONIO WATER CO. DIVERSION near Ontario No. 1 Power House, for the year ending September 30, 1959

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.2	3.3	0	0	0.4	2.0	0.5	0.7	0.5	+	0	0
2	0	0	0	0	0.4	1.9	0.4	0.8	0.5		0	0
3	0	0	0	0	0.4	1.7	0.4	0.8	0.5		0	0
4	0	0	0	0	0.4	1.5	0.5	0.7	0.4		0	0
5	0	0	0	0	0.4	1.5	0.5	0.6	0.2		0	0
6	0	0	0	[e] 7.1	0.4	1.5	0.5	0.5	0.2		0	0
7	0	0	0	2.2	0.6	1.5	0.5	0.5	0.2		0	0
8	0	0	0	1.5	1.3	1.5	0.5	0.5	0.2		0	0
9	0	0	0	1.2	0.9	1.5	0.5	0.5	0.1		0	0
10	0	0	0	0.8	0.9	1.4	0.5	0.5	0.1		0	0
11	0	0	0	0.7	1.6	1.4	0.5	0.5	+		0	0
12	0	0	0	0.6	1.4	1.2	0.5	0.5			0	0
13	0	0	0	0.5	3.6	1.2	0.5	0.4	+		0	0
14	0	0	0	0.2	3.3	1.2	0.5	0.4	0		0	0
15	0	0	0	0.2	2.5	1.1	0.5	0.4	0		0	0
16	0	0	0	0.1	2.2	1.1	0.5	0.4	0		0	0
17	0	0	0	0.1	0.7	1.1	0.6	0.4	0		0	0
18	0	0	0	0	3.5	1.1	0.6	0.4	0		0	0
19	0	0	0	0.1	3.8	1.1	0.6	0.4	0		0	0
20	0	0	0	0.3	3.3	0.9	0.5	0.4	0		0	0
21	0	0	0	0.4	3.8	0.9	0.5	0.4	0		0	0
22	0	0	0	0.4	3.5	0.8	0.4	0.4	0		0	0
23	0	0	0	0.4	3.3	0.8	0.5	0.4	0		0	0
24	0	0	0	0.4	3.3	0.8	0.5	0.6	0		0	0
25	0	0	0	0.4	3.0	0.8	0.6	0.6	0		0	0
26	0	0	0	0.4	2.8	0.8	0.9	0.5	0		0	0
27	0	0	0	0.4	2.5	0.7	0.7	0.5	0		0	0
28	0	0	0	0.4	2.3	0.7	0.7	0.4	0		0	0
29	0	0	0	0.4		0.7	0.7	0.5	0		0	0
30	0	0	0	0.4		0.7	0.6	0.5	+		0	0
31	3.7		0	0.4		0.6		0.6			0	
	3.9		0		56.9		16.2		2.9		0	
		3.3		20.0		35.7		15.7		+		0
MEAN	0.13	0.11	0	0.65	2.03	1.15	0.54	0.51	0.10	+	0	0
ACRE-FEET	8.2	6.6	0	39.7	113.	71.	32.	31.	5.8	+	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.42
ACRE-FEET 307.

STATION F303-R
SAN DIMAS CREEK below San Dimas Dam

LOCATION: WATER-STAGE RECORDER, LAT. 34°09'11" LONG. 117°45'55", ON THE LEFT (EAST) BANK OF SAN DIMAS CREEK, 1000 FEET BELOW SAN DIMAS DAM. ELEVATION OF ZERO GAGE HEIGHT 1325.0 FEET.

DRAINAGE AREA: 16.2 SQUARE MILES.

CHANNEL AND CONTROL: NATURAL CHANNEL. A CONCRETE CONTROL INSTALLED BELOW STATION TO KEEP LOW FLOW AT LEFT BANK.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING; HIGH FLOWS MEASURED FROM CABLE CAR 25 FEET ABOVE STATION.

RECORDER: AN AU CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1957 TO SEPTEMBER 30, 1959.

REGULATION: FLOW REGULATED BY SAN DIMAS DAM AND PARTIALLY BY OLD WATER TUNNEL 150 FEET ABOVE STATION.

RECORDS AVAILABLE: DECEMBER 24, 1951 TO SEPTEMBER 30, 1959.

EXTREMES OF DISCHARGE:
1957-58
MAXIMUM 270 SECOND-FEET APRIL 3.
MINIMUM PLUS FLOW AT VARIOUS TIMES.
1958-59
MAXIMUM 20 SECOND-FEET FEBRUARY 18.
MINIMUM PLUS FLOW AT VARIOUS TIMES.
1951-59
MAXIMUM 270 SECOND-FEET APRIL 3, 1958.
MINIMUM NO FLOW AT TIMES.

ACCURACY: GOOD.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT IN COOPERATION WITH THE UNITED STATES GEOLOGICAL SURVEY, WATER RESOURCES BRANCH.

DISCHARGE MEASUREMENTS OF SAN DIMAS CREEK

~~at~~ near below San Dimas Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 56

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	E. HT. CHANGE TOTAL	METER NO.
256	10/17	1028 / 1031	MIDDLETON	0.60	0.03	0.33	0.02	0.01		.5	3	0	FC49
257	10/24	1113 / 1116	SARASUA-MIDDLETON	0.60	0.03	0.33	0.03	0.02		.5	3	0	"
258	11/7	1139 / 1141	MIDDLETON	0.60	0.04	0.25	0.04	0.01		.5	3	0	"
259	11/21	1104 / 1106	SARASUA-MIDOLETON	0.60	0.03	0.33	0.05	0.01		.5	3	0	"
260	12/5	1145 / 1148	SARASUA	0.90	0.05	0.40	0.06	0.02		.5	4	0	"
261	12/12	1027 / 1029	"	0.70	0.04	0.35	0.06	0.14		.5	4	0	"
262	12/19	1238 / 1242	"	0.80	0.07	0.85	0.08	0.05		.5	5	0	"
263	12/24	1052 / 1105	"	6.0	2.15	1.81	0.59	3.9		.6	11	0	FC43
264	12/26	0950 / 1010	"	6.0	1.89	1.32	0.53	2.5		.6	11	0	FC49
265	1/2	1220 / 1230	"	5.0	1.80	1.61	0.55	2.9		.6	9	0	FC43
266	1/9	1030 / 1042	"	5.5	2.02	1.50	0.54	3.04		.6	8	0	"
267	1/16	1200 / 1202	"	0.9	0.13	0.85	0.10	0.11		.5	4	0	FC49
268	1/23	0950 / 0956	"	1.2	0.13	0.46	0.09	0.06		.5	5	0	"
269	1/30	1045 / 1048	"	0.6	0.10	0.60	0.10	0.06		.5	4	0	"
270	2/3	1431 / 1452	SARASUA-PITTS	12.7	11.1	1.86	1.03	20.7		.6	17	0	FC43
271	2/4	1310 / 1342	" "	26.0	21.2	3.36	1.53	87.2		.6	24	+.01	"
272	2/6	1235 / 1300	SARASUA-ROYSTON	26.6	22.4	3.78	1.56	84.7		.6	28	+.01	"
273	2/12	0917 / 0931	SARASUA	3.8	3.34	2.02	0.71	6.8		.6	9	0	"
274	2/13	1127 / 1136	"	4.0	3.74	2.06	0.71	7.7		.6	9	0	"
275	2/20	1130 / 1145	SARASUA-ROYSTON	12.0	12.2	1.87	1.05	22.9		.6	16	0	"
276	2/27	1430 / 1440	SARASUA	10.7	10.1	1.88	1.00	19.0		.6	12	0	"
277	3/6	1338 / 1345	"	3.0	1.20	0.25	0.17	0.30		.6	6	-.02	"
278	3/13	1217 / 1222	"	0.70	0.14	1.43	0.12	0.20		.6	5	0	FC49
279	3/16	1212 / 1223	SARASUA-PITTS	11.5	17.0	3.13	1.44	53.2		.6	14	-.01	FC43
280	3/20	1222 / 1235	SARASUA	11.5	11.6	2.11	1.14	24.7		.6	15	0	"
281	3/21	0315 / 0330	SARASUA-PITTS	12.0	15.9	3.08	1.43	49.0		.6	16	+.01	"
282	3/21	0733 / 0745	" "	11.0	12.8	2.26	1.15	28.7		.6	15	0	"
283	3/27	1355 / 1410	SARASUA	12.0	13.1	2.03	1.15	26.7		.6	17	0	"
284	4/1	1500 / 1510	"	12.0	12.3	1.99	1.14	25.5		.6	17	0	"
285	4/3	1430 / 1500	SARASUA-PITTS	30.5	38.9	5.75	2.26	224.		.6	12	-.04	"
286	4/5	1521 / 1545	SARASUA-FALCONE	28.0	33.2	3.64	1.75	117.		.6	27	-.01	"
287	4/6	1917 / 1932	SARASUA	16.0	19.0	3.97	1.48	75.4		.6	14	0	FC43
288	4/10	1300 / 1335	FALCONE	30.0	31.8	2.57	1.59	81.6		.6	17	0	FC55
289	4/11	1715 / 1730	SARASUA	13.9	11.5	1.90	1.05	21.0		.6	18	0	FC54
290	4/16	0900 / 0920	"	14.0	12.5	0.87	1.09	23.4		.6	21	0	"
291	4/16	1050 / 1115	"	11.0	12.0	2.67	1.28	32.0		.6	18	0	"
292	4/16	1620 / 1645	"	18.5	17.4	3.21	1.37	55.9		.6	24	0	"
293	4/17	1305 / 1322	FALCONE-SARASUA	13.2	13.7	1.97	1.10	27.0		.6	15	0	"
294	4/22	1046 / 1100	SARASUA-FALCONE	10.3	8.91	1.02	0.79	9.1		.6	15	0	"
295	4/24	1310 / 1336	FALCONE	10.4	9.10	1.05	0.79	9.6		.6	17	0	FC55
296	5/1	1500 / 1528	"	10.6	9.48	0.99	0.80	9.4		.6	18	0	"
297	5/8	1435 / 1450	"	10.7	9.80	1.01	0.80	9.9		.6	15	0	"
298	5/14	1240 / 1300	"	10.7	10.4	0.93	0.80	9.7		.6	15	0	"
299	5/22	1210 / 1228	SARASUA	7.5	6.63	1.04	0.69	6.9		.6	15	0	FC54
300	5/29	1151 / 1200	SARASUA-MC BRIDE	7.0	5.70	1.10	0.65	6.3		.6	13	-.01	"
301	6/5	1226 / 1240	MC BRIDE-SARASUA	10.0	8.12	0.54	0.64	4.4		.6	12	0	"
302	6/12	1151 / 1207	SARASUA	5.60	4.66	0.84	0.63	3.9		.6	12	0	FC49
303	6/12	1246 / 1257	SARASUA-BURKE	5.60	3.84	1.04	0.63	4.0		.6	13	0	"
304	6/19	1126 / 1144	SARASUA	5.60	3.79	1.00	0.63	3.8		.6	13	0	"
305	6/26	1325 / 1341	"	5.8	4.10	0.88	0.62	3.6		.6	14	0	"
306	7/3	1212 / 1225	MC BRIDE- SARASUA	6.0	4.51	0.82	0.65	3.7		.6	14	0	"
307	7/10	1145 / 1200	SARASUA	6.0	4.12	0.90	0.62	3.7		.6	16	0	"
308	7/17	1132 / 1147	MC BRIDE	6.1	4.29	0.79	0.63	3.4		.6	13	0	"
309	7/24	1105 / 1119	"	6.0	4.33	0.86	0.63	3.7		.6	11	0	"
310	7/31	1109 / 1124	"	6.0	4.45	0.84	0.63	3.7		.6	12	0	"
311	8/7	1051 / 1107	SARASUA	6.0	4.13	0.87	0.61	3.6		.6	15	0	"
312	8/14	1021 / 1038	"	6.0	4.34	0.92	0.63	4.0		.6	16	0	"
313	8/21	1222 / 1240	"	6.0	4.34	0.85	0.64	3.7		.6	16	0	"
314	8/28	1310 / 1328	"	6.0	4.36	0.85	0.64	3.7		.6	17	0	"
315	9/4	1240 / 1255	"	6.0	4.18	0.82	0.63	3.4		.6	17	0	"
316	9/11	1155 / 1214	"	5.9	4.21	0.88	0.62	3.7		.6	19	0	"
317	9/18	1000 / 1020	"	6.0	5.04	1.18	0.73	5.9		.6	19	0	"
318	9/25	0932 / 0952	"	5.9	4.50	0.93	0.65	4.2		.6	18	0	"

DISCHARGE MEASUREMENTS OF SAN DIMAS CREEK

~~AT~~ NEAR below San Dimas Dam DURING THE YEAR ENDING SEPTEMBER 30, 1959

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATINGS	METHOD	MEAS. SEC. NO.	B. HT. CHANGE TOTAL	METER NO.
319	10/2	1033 / 1051	SARASUA	6.0	4.49	0.96	0.66	4.3		.6	16	0	FC49
320	10/9	1045 / 1101	"	5.8	4.34	0.85	0.63	3.7		.6	16	0	"
321	10/16	1030 / 1046	"	5.8	4.20	0.83	0.63	3.5		.6	16	0	"
322	10/23	0915 / 0931	"	6.0	4.23	0.83	0.63	3.5		.6	15	0	"
323	10/30	1035 / 1047	"	5.8	4.52	0.77	0.65	3.5		.6	14	0	"
324	11/6	1033 / 1049	"	6.3	2.96	1.18	0.49	3.5		.6	15	0	"
325	11/13	1134 / 1154	MC BRIDE	6.8	2.43	1.40	0.48	3.4		.5	15	-.01	"
326	11/20	1305 / 1317	SARASUA	6.4	2.33	1.16	0.49	2.8		.6	16	0	"
327	12/18	1012 / 1021	"	4.4	0.50	0.54	0.20	0.27		.6	12	-.01	"
328	12/19	1155 / 1209	"	4.4	0.82	0.83	0.25	0.68		.6	13	0	"
329	12/26	1441 / 1451	"	4.4	0.71	0.75	0.23	0.53		.6	13	0	"
330	1/2	1412 / 1426	"	6.6	2.40	1.38	0.48	3.3		.6	18	0	"
331	1/8	1015 / 1019	"	0.60	0.05	1.00	0.10	0.05		.5	4	0	"
332	1/15	1230 / 1236	"	0.60	0.05	0.80	0.10	0.04		.5	4	0	"
333	1/22	1501 / 1507	"	0.60	0.07	0.71	0.11	0.05		.5	4	0	"
334	1/29	1107 / 1109	"	0.80	0.09	0.66	0.11	0.06		.5	4	0	"
335	2/6	0855 / 0859	"	0.60	0.08	0.62	0.13	0.05		.5	4	0	"
336	2/17	0830 / 0848	SARASUA-MC BRIDE	13.3	9.41	1.96	0.93	18.4		.6	27	0	FC54
337	2/17	0848 / 0906	" "	13.4	9.28	2.06	0.93	19.2		.6	28	0	"
338	2/18	1140 / 1200	SARASUA	14.0	9.97	2.06	0.92	20.6		.6	22	0	"
339	2/19	1215 / 1237	"	12.5	5.35	1.64	0.67	8.8		.6	23	0	FC49
340	2/24	0950 / 0957	"	1.2	0.09	0.33	0.10	0.03		.6	5	0	"
341	2/26	1130 / 1135	"	0.60	0.06	0.33	0.10	0.02		.6	4	0	"
342	3/12	0940 / 0945	"	1.5	0.23	0.78	0.14	0.18		.6	6	0	"
343	3/14	1050 / 1104	"	4.6	1.42	1.62	0.36	2.3		.6	13	0	"
344	3/16	0930 / 0948	"	4.4	1.28	1.56	0.35	2.0		.6	12	0	"
345	3/19	1030 / 1038	"	4.4	1.17	1.20	0.34	1.4	FLOATS	10	0		
346	3/23	0933 / 0948	SARASUA	4.6	1.31	1.45	0.34	1.9		.6	16	0	FC49
347	3/26	1045 / 1100	"	4.4	1.39	1.22	0.34	1.7		.6	14	0	"
348	4/2	1050 / 1117	"	7.0	2.54	1.49	0.47	3.8		.6	21	0	"
349	4/9	0922 / 1004	"	7.0	2.47	1.21	0.45	3.0		.6	20	0	"
350	4/16	1435 / 1452	"	6.8	2.57	1.21	0.43	3.1		.6	18	0	"
351	4/23	0947 / 1006	"	7.0	2.43	1.19	0.42	2.9		.6	20	0	"
352	4/30	1107 / 1130	"	6.6	2.30	1.43	0.41	3.3		.6	19	0	"
353	5/7	1222 / 1238	"	5.8	2.34	0.94	0.36	2.2		.6	15	0	"
354	5/14	1302 / 1316	"	6.8	2.89	1.21	0.46	3.5		.6	16	0	"
355	5/21	1525 / 1543	"	6.2	2.66	1.32	0.46	3.5		.6	17	-.01	"
356	5/28	1115 / 1131	MC BRIDE	6.7	2.79	1.18	0.45	3.3		.6	12	0	"
357	6/4	1038 / 1054	SARASUA	6.6	2.57	1.28	0.44	3.3		.6	18	0	"
358	6/11	1122 / 1138	MC BRIDE	6.8	2.81	1.17	0.44	3.3		.5 .6	13	0	"
359	6/18	1142 / 1200	SARASUA	6.4	2.79	1.07	0.43	3.0		.6	18	0	"
360	6/25	1330 / 1342	"	6.4	2.64	1.02	0.41	2.7		.6	17	0	"
361	7/2	1120 / 1122	SARASUA-BLAKELY	0.60	0.05	0.40	0.05	0.02		.6	4	0	"
362	7/9	1130 / 1133	SARASUA	0.40	0.02	0.50	0.06	0.01		.6	3	0	"
363	7/16	1121 / 1128	"	2.4	0.41	0.71	0.16	0.29		.6	7	0	"
364	7/23	1220 / 1225	"	2.4	0.46	0.80	0.15	0.37		.6	9	0	"
365	7/30	1145 / 1150	"	1.8	0.34	0.82	0.14	0.28		.6	7	0	"
366	8/6	1221 / 1225	"	1.8	0.32	0.81	0.14	0.26		.6	7	0	"
367	8/13	1154 / 1200	MC BRIDE	2.0	0.41	0.71	0.16	0.29		.5	5	0	"
368	8/20	1422 / 1430	SARASUA	2.2	0.38	0.84	0.14	0.32		.6	8	0	"
369	8/27	1515 / 1520	"	2.2	0.36	0.89	0.14	0.32		.6	8	0	"
370	9/3	1140 / 1150	"	2.2	0.36	0.94	0.14	0.34		.6	8	0	"
371	9/10	1050 / 1100	"	2.2	0.36	0.81	0.14	0.29		.6	9	0	"
372	9/17	1132 / 1135	"	0.40	0.04	0.25	0.03	0.01		.6	3	0	"

FORM G b 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F30G-R

Daily discharge, in second-feet of SAN DIMAS CREEK below San Dimas Dam, for the year ending September 30, 1958

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	+	+	2.3	0.1	a 0.2	24	9.3	5.6	3.7	3.7	3.4
2				2.7	0.1	0.2	80	9.3	5.3	3.7	3.6	3.4
3				3.1	8.7	0.2	194	9.3	5.0	3.7	3.6	3.4
4				2.9	65	0.3	220	9.3	4.4	3.7	3.6	3.4
5				2.9	94	0.3	131	9.3	4.4	3.7	3.6	3.4
6				2.9	84	0.3	104	9.3	4.4	3.7	3.6	3.4
7			+	3.1	28	17	118	9.6	4.4	3.7	3.6	3.6
8			0.1	3.1	0.2	18.8	81	10.0	4.4	3.7	3.6	3.6
9			0.1	3.1	0.2	0.3	81	10.0	4.3	3.7	3.8	3.7
10			0.1	3.1	0.2	0.2	58	10.0	4.0	3.7	3.8	3.7
11			0.1	3.1	3.4	0.2	21	10.0	4.0	3.7	3.8	3.7
12			0.1	2.9	6.9	0.2	21	9.6	4.0	3.7	4.0	3.8
13			0.1	1.1	7.8	a 0.2	21	9.6	4.0	3.7	4.0	3.8
14			0.1	0.1	7.8	5.4	21	9.6	4.0	3.6	4.0	4.9
15			0.2	0.1	7.8	53	22	9.3	4.0	3.4	4.0	5.8
16			0.4	0.1	7.8	42	40	9.6	3.8	3.4	4.0	5.8
17			0.2	0.1	7.8	25	41	9.3	3.8	3.4	3.8	5.8
18			0.2	0.1	10.2	25	27	9.0	3.8	3.4	3.8	5.8
19			0.2	0.1	36	25	27	8.7	3.8	3.4	3.7	5.8
20			0.1	0.1	29	33	27	8.7	3.8	3.4	3.7	5.8
21			0.1	0.1	12	35	21	8.7	3.8	3.7	3.7	5.8
22			0.2	0.1	5.3	29	9.0	7.2	3.8	3.7	3.7	5.8
23			0.2	0.1	a 0.2	28	9.3	6.9	3.8	3.7	3.7	5.0
24			2.1	0.1	0.2	28	9.6	6.9	3.8	3.7	3.7	4.3
25			2.9	0.1	11	27	9.6	6.6	3.6	3.7	3.7	4.3
26			2.5	0.3	20	27	9.6	6.6	3.6	3.7	3.7	4.3
27			2.5	0.1	19	26	9.3	6.4	3.6	3.7	3.7	4.3
28			2.3	0.1	a 0.2	26	6.7	6.4	3.6	3.7	3.7	4.3
29			2.3	0.1		26	5.0	6.4	3.6	3.7	3.7	4.3
30		+	2.3	0.1		26	9.3	6.1	3.6	3.7	3.7	4.3
31	+		2.3	0.1		8.7		5.8		3.7	3.4	
	+		21.7		492.9		1457.4		122.0		115.7	
		+		383		533.5		262.8		112.8		132.7
MEAN	+	+	0.70	1.24	17.6	17.2	48.6	8.48	4.07	3.64	3.73	4.42
ACRE-FEET	+	+	43.	76.	978.	1060.	2890.	521.	242.	224.	229.	263.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 9.01
ACRE-FEET 6530.

FORM 6M Oct 1-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F303-R

Daily discharge, in second-feet of SAN DIMAS CREEK below San Dimas Dam, for the year ending September 30, 19 59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4.3	3.4	+	a 3.2	+	+	a 1.9	2.9	3.1	+	0.3	0.4
2	4.3	3.4	|	a 3.2	|	|	a 3.1	2.9	3.2	|	0.3	0.4
3	4.0	3.4	|	3.2	|	|	3.8	2.6	3.2	|	0.3	0.4
4	4.0	3.4	|	3.2	+	|	3.6	2.4	3.2	|	0.3	0.4
5	3.8	3.4	|	3.2	0.1	|	3.4	2.2	3.4	|	0.3	0.4
6	3.8	3.4	|	2.0	+	+	3.2	2.1	3.4	|	0.2	0.4
7	3.8	3.4	|	+	+	0.1	3.2	2.2	3.4	|	0.3	0.3
8	3.6	3.4	|	|	0.1	0.1	3.1	2.3	3.4	|	0.3	0.3
9	3.6	3.4	|	|	+	0.2	3.1	2.3	3.2	|	0.3	0.3
10	3.6	3.4	|	|	+	0.2	3.0	2.4	3.4	|	0.3	0.2
11	3.6	3.4	+	|	0.3	0.2	2.9	2.4	3.2	+	0.3	0.1
12	3.6	3.4	0.1	|	+	0.2	2.9	2.4	3.2	0.1	0.3	+
13	3.4	3.4	0.4	|	|	a 0.2	3.1	2.3	3.2	0.2	0.3	|
14	3.4	3.2	0.4	|	|	0.8	3.1	3.0	3.2	0.4	0.3	|
15	3.4	3.2	0.4	|	+	2.2	3.1	3.2	3.2	0.4	0.3	|
16	3.4	3.2	0.3	|	4.4	2.2	3.1	3.2	3.2	0.3	0.3	|
17	3.4	3.2	0.3	|	19.0	1.9	3.0	3.2	3.1	0.3	0.3	|
18	3.8	3.1	0.3	+	16.2	1.9	3.0	3.4	3.1	0.3	0.4	|
19	3.4	3.1	0.6	0.1	9.6	a 1.8	3.1	3.4	3.1	0.3	0.4	|
20	3.4	2.9	0.7	0.1	9.6	1.9	3.1	3.4	3.1	0.3	0.4	|
21	3.4	2.9	0.8	0.1	a 9.6	1.9	3.1	3.6	3.1	0.4	0.3	|
22	3.4	2.9	0.6	+	9.6	1.9	2.9	3.6	3.1	0.4	0.3	|
23	3.4	3.1	0.6	|	5.7	1.9	2.9	3.6	2.9	0.3	0.3	|
24	3.4	3.1	0.7	|	a +	1.8	2.9	3.6	2.7	0.2	0.4	|
25	3.4	1.8	0.7	|	|	1.7	2.9	3.6	2.7	0.2	0.4	|
26	3.4	0.1	0.6	|	|	1.7	3.2	3.6	2.7	0.2	0.3	|
27	3.6	+	a 0.6	|	|	1.7	3.2	3.6	2.7	0.4	0.3	|
28	3.6	|	0.6	|	+	1.7	3.2	3.6	2.3	0.4	0.4	|
29	3.6	|	0.5	|	|	1.6	3.1	3.6	2.3	0.4	0.4	|
30	3.6	+	0.8	|	|	1.6	3.2	3.6	0.9	0.3	0.4	+
31	3.6		a 2.3	+		a 1.9		3.2		0.4	0.4	
	112.0		12.3		84.2		92.4		89.9		10.1	
		80.0		18.3		33.3		93.4		6.2		3.6
MEAN	3.61	2.66	9.40	0.59	3.01	1.07	3.08	3.01	3.00	0.20	0.33	0.12
ACRE-FEET	222.	159.	24.	36.	167.	66.	183.	185.	178.	12.	20.	7.1.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 1.74
ACRE-FEET 1260.

STATION F218-R
SAN DIMAS WASH below Puddingstone Diversion Dam

LOCATION: WATER-STAGE RECORDER. LAT. 34°07'52" LONG. 117°46'58". ON SAN DIMAS TYPE FLUME ABOUT 75 FEET WEST OF THE SOUTHERLY END OF PUDDINGSTONE DIVERSION DAM ABOUT 3.0 MILES NORTHWEST OF LA VERNE. ELEVATION OF ZERO GAGE HEIGHT, 1126.86 FEET.

DRAINAGE AREA: 18.8 SQUARE MILES. 16.2 SQUARE MILES CONTROLLED BY SAN DIMAS DAM AND 2.6 SQUARE MILES CONTROLLED BY PUDDINGSTONE DIVERSION DAM.

CHANNEL AND CONTROL: CHANNEL - SAND AND GRAVEL.
CONTROL - 3 FEET X 3 FEET SAN DIMAS TYPE FLUME.

DISCHARGE MEASUREMENTS: LOW AND HIGH FLOWS MEASURED BY WADING

RECORDER: A STEVENS TYPE L RECORDER WAS IN SERVICE FROM OCTOBER 1, 1957 TO SEPTEMBER 30, 1959.

REGULATION AND/OR DIVERSIONS: FLOW ENTIRELY REGULATED BY PUDDINGSTONE DIVERSION DAM. SPILLWAY DISCHARGE ENTERS WASH BELOW THE STATION. PUDDINGSTONE CHANNEL DIVERTS FLOW TO PUDDINGSTONE DAM. INFLOW TO PUDDINGSTONE DIVERSION DAM IS REGULATED BY SAN DIMAS DAM. SAN DIMAS WATER COMPANY DIVERTS WATER BELOW SAN DIMAS DAM FOR IRRIGATION.

RECORDS AVAILABLE: NOVEMBER 28, 1945 TO SEPTEMBER 30, 1959. SOME STREAM MEASUREMENTS FOR EARLIER YEARS ARE AVAILABLE.

EXTREMES OF DISCHARGE:
1957-58
MAXIMUM 19 SECOND-FEET MARCH 28.
MINIMUM NO FLOW MOST OF YEAR.
1958-59
MAXIMUM 7.8 SECOND-FEET FEBRUARY 12.
MINIMUM NO FLOW MOST OF YEAR.
1945-59
MAXIMUM 42 SECOND-FEET APRIL 4, 1946.
MINIMUM NO FLOW MOST OF EACH YEAR.

ACCURACY: ECCELLENT.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF SAN DIMAS WASH

AT OR NEAR below Puddingstone Diversion Dam DURING THE YEAR ENDING SEPTEMBER 30, 1958

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	D. HT. CHANGE TOTAL	METER NO.
62	2/5	0830 / 0855	SARASUA-SONNICHSEN	9.0	6.04	2.33	0.69	14.1		.6	19	+.04	FC43
63	2/5	0951 / 1000	" "	6.0	5.50	1.09	0.69	6.0		.6	10	-.02	"
64	2/5	1630 / 1640	SARASUA	6.0	6.54	1.13	0.80	7.4		.6	13	0	"
65	2/6	1115 / 1126	"	6.0	6.59	1.10	0.78	7.2		.6	13	0	"
66	2/15	1230 / 1237	"	6.0	4.56	0.72	0.54	3.3		.6	13	0	"
67	2/20	1035 / 1049	"	6.0	8.02	1.33	0.98	10.7		.6	13	0	"
68	2/22	1303 / 1313	SARASUA-EVANS	6.0	6.37	1.08	0.77	6.9		.6	13	0	"
69	2/26	0938 / 0947	SARASUA	6.0	5.76	0.87	0.71	5.0		.6	13	0	"
70	3/1	1326 / 1347	"	6.0	5.60	0.84	0.69	4.7		.6	12	0	"
71	3/16	1312 / 1318	SARASUA-PITTS	5.6	4.48	0.89	0.30	4.0		.6	9	0	"
72	3/20	1105 / 1115	SARASUA	5.8	5.80	1.00	0.68	5.8		.6	11	0	"
73	3/26	1520 / 1530	"	5.9	5.90	1.08	0.65	6.4		.6	9	0	"
74	3/28	1341 / 1349	"	5.8	8.70	1.68	0.80	14.6		.6	13	0	"
75	3/28	1416 / 1423	"	5.9	8.26	1.45	0.75	12.0		.6	13	0	"
76	3/29	1210 / 1220	"	7.0	5.31	2.28	0.70	12.1		.6	11	0	"
77	3/29	1223 / 1230	"	6.0	8.03	1.52	0.70	11.2		.6	8	0	"
78	3/31	1001 / 1012	"	6.5	5.46	2.31	0.71	12.6		.6	14	0	"
79	4/1	1542 / 1550	SARASUA-PITTS	6.5	3.21	2.07	0.56	6.7		.6	14	0	"
80	4/3	1617 / 1626	" "	6.0	3.18	2.08	0.60	6.6		.6	13	0	"
81	4/10	1212 / 1220	FALCONE	3.0	3.00	3.20	0.57	9.6		.6	7	0	FC55
82	4/14	1457 / 1509	FALCONE	9.0	5.25	1.62	0.51	8.5		.6	10	0	FC55
83	4/17	1113 / 1124	SARASUA-FALCONE	6.5	3.97	2.40	0.50	9.5		.6	14	0	FC54
84	4/24	1505 / 1520	FALCONE	6.0	2.90	2.66	0.48	7.7		.6	11	0	FC55
85	4/30	1555 / 1600	SARASUA	5.5	2.18	1.74	0.29	3.8		.6	8	0	FC54
86	5/1	1338 / 1350	FALCONE	5.8	1.98	2.07	0.29	4.1		.5	12	0	FC55
87	5/8	1314 / 1329	"	5.9	4.44	0.81	0.29	3.6		.6	13	0	"
88	5/14	1140 / 1158	"	6.0	4.24	0.78	0.27	3.3		.6	13	0	"
89	5/21	1515 / 1525	FALCONE-COSTELLO	4.4	1.31	0.72	0.12	0.94		.6	10	0	"

DISCHARGE MEASUREMENTS OF SAN DIMAS WASH

AT OR NEAR below Puddingstone Diversion Dam DURING THE YEAR ENDING SEPTEMBER 30, 1959

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	D. HT. CHANGE TOTAL	METER NO.
90	2/17	1656 / 1706	SARASUA-MC BRIDE	5.8	3.07	2.21	0.36	6.8		.6	15	0	FC49
91	2/17	1731 / 1745	MC BRIDE- SARASUA	5.4	2.20	1.81	0.28	4.0		.6	12	0	FC54
92	2/17	1801 / 1813	" "	5.4	2.48	2.02	0.31	5.0		.6	12	0	"
93	2/18	1005 / 1028	SARASUA	5.4	2.69	2.34	0.34	6.3		.6	14	0	"
94	2/18	1051 / 1106	"	5.0	2.25	2.22	0.30	5.0		.6	14	0	"
95	2/19	1112 / 1125	"	4.7	2.91	1.61	0.30	4.7		.6	11	0	FC49
96	2/21	1201 / 1208	SARASUA-MC BRIDE	4.8	2.64	1.67	0.28	4.4		.6	15	0	"

76D74M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F218-R

Daily discharge, in second-feet of SAN DIMAS WASH below Puddingstone Diversion Dam, for the year ending September 30, 19 58

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	4.7	6.0	4.1	0	0	0	0
2	0	0	0	0	0	4.0	6.0	4.0	0	0	0	0
3	0	0	0	0	0	0.8	6.4	3.8	0	0	0	0
4	0	0	0	0	0	0	7.1	3.8	0	0	0	0
5	0	0	0	0	5.1	0	7.5	3.6	0	0	0	0
6	0	0	0	0	7.5	0	8.4	3.8	0	0	0	0
7	0	0	0	0	7.1	1.6	8.9	3.6	0	0	0	0
8	0	0	0	0	6.2	4.1	9.6	3.6	0	0	0	0
9	0	0	0	0	5.2	4.5	9.8	3.6	0	0	0	0
10	0	0	0	0	1.4	4.1	9.6	3.6	0	0	0	0
11	0	0	0	0	0	3.3	8.9	3.6	0	0	0	0
12	0	0	0	0	0	0.4	8.6	3.4	0	0	0	0
13	0	0	0	0	1.8	0	8.9	3.4	0	0	0	0
14	0	0	0	0	3.3	0	8.6	3.3	0	0	0	0
15	0	0	0	0	3.3	5.9	8.4	a 2.9	0	0	0	0
16	0	0	0	0	3.1	2.6	8.6	2.4	0	0	0	0
17	0	0	0	0	3.0	6.0	9.1	2.2	0	0	0	0
18	0	0	0	0	3.0	5.8	8.9	2.1	0	0	0	0
19	0	0	0	0	3.8	5.8	8.9	1.9	0	0	0	0
20	0	0	0	0	7.1	6.0	8.4	1.4	0	0	0	0
21	0	0	0	0	6.9	6.2	8.4	a 0.9	0	0	0	0
22	0	0	0	0	6.9	6.4	8.2	1.2	0	0	0	0
23	0	0	0	0	5.6	6.4	8.2	+	0	0	0	0
24	0	0	0	0	4.7	6.4	a 7.7	0	0	0	0	0
25	0	0	0	0	3.9	6.4	7.6	0	0	0	0	0
26	0	0	0	0	4.9	6.7	7.5	0	0	0	0	0
27	0	0	0	0	5.6	6.9	7.4	0	0	0	0	0
28	0	0	0	0	5.0	10.0	8.5	0	0	0	0	0
29	0	0	0	0		11.7	8.9	0	0	0	0	0
30	0	0	0	0		12.0	a 4.0	0	0	0	0	0
31	0		0	0		8.6		0		0	0	
		0		0		147.3		66.2		0		0
	0		0		104.4		243.0		0		0	
MEAN	0	0	0	0	3.72	4.75	8.10	2.14	0	0	0	0
ACRE-FEET	0	0	0	0	207.	292.	482.	131.	0	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 1.54
ACRE-FEET 1110.

7SD74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F218-R

Daily discharge, in second-feet of SAN DIMAS WASH below Puddingstone Diversion Dam for the year ending September 30, 19 59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	1.6	0	0	0	0	0	0	0
18	0	0	0	0	5.4	0	0	0	0	0	0	0
19	0	0	0	0	4.7	0	0	0	0	0	0	0
20	0	0	0	0	4.5	0	0	0	0	0	0	0
21	0	0	0	0	4.3	0	0	0	0	0	0	0
22	0	0	0	0	3.9	0	0	0	0	0	0	0
23	0	0	0	0	+	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0		0	0	0	0	0	0	0
30	0	0	0	0		0	0	0	0	0	0	0
31	0		0	0		0		0		0	0	
	0		0		24.6		0		0		0	
		0		0		0		0		0		0
MEAN	0	0	0	0	0.88	0	0	0	0	0	0	0
ACRE-FEET	0	0	0	0	48.8	0	0	0	0	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.07
ACRE-FEET 48.8

STATION F209-R
SAN GABRIEL RIVER - WEST FORK below Cogswell Dam

LOCATION: WATER-STAGE RECORDER, LAT. 34°14'39", LONG. 117°57'25", ON THE LEFT (NORTHEAST) BANK OF THE WEST FORK OF THE SAN GABRIEL RIVER ABOUT SEVEN MILES ABOVE JUNCTION OF THE EAST AND WEST FORKS AND 0.5 MILE DOWNSTREAM FROM COGSWELL DAM. ELEVATION OF ZERO GAGE HEIGHT, 2083.37 FEET.

DRAINAGE AREA: 41.0 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - SAND, GRAVEL AND BOULDERS.
CONTROL - CONCRETE CONTROL WITH LOW FLOW NOTCH ABOUT 35 FEET BELOW THE STATION.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM CABLE CAR SIX FEET BELOW STATION.

RECORDER: AN AU CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1957 TO SEPTEMBER 30, 1959.

REGULATION: 40.4 SQUARE MILES REGULATED BY COGSWELL DAM. 0.6 SQUARE MILES UNREGULATED.

DIVERSIONS: NONE.

RECORDS AVAILABLE: MAY 26, 1932 TO DECEMBER 8, 1933 STREAM MEASUREMENTS ONLY. RECORDER RECORDS DECEMBER 8, 1933 TO FEBRUARY 21, 1938; MARCH 10, 1938 TO MAY 30, 1938, AND JULY 8, 1938 TO SEPTEMBER 30, 1959.

EXTREMES OF DISCHARGE:
1957-58
MAXIMUM 1430 SECOND-FEET APRIL 4.
MINIMUM 0.1 SECOND-FOOT NOVEMBER.
1958-59
MAXIMUM 124 SECOND-FEET FEBRUARY 16.
MINIMUM 0.2 SECOND-FOOT VARIOUS DAYS.
1933-59
MAXIMUM 25,000 SECOND-FEET ESTIMATED MARCH 2, 1938.
MINIMUM LESS THAN 0.1 SECOND-FOOT AT VARIOUS TIMES.

ACCURACY: GOOD.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT FOR MEASURING OUTFLOW FROM COGSWELL DAM.

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER - WEST FORK

AT OR NEAR below Cogswell Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 58

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
2954	10/3	1016 / 1031	DE VORE - BLAKELY	9.1	6.54	1.20	3.13	7.9		.6	15	0	FC22
2955	10/10	1032 / 1039	DE VORE	9.0	6.52	1.17	3.11	7.6		.6	15	0	"
2956	10/17	1136 / 1154	"	9.1	6.97	1.18	3.14	8.2		.6	15	0	"
2957	10/24	1034 / 1051	"	9.3	6.82	1.14	3.12	7.8		.6	15	0	"
2958	10/31	1135 / 1145	"	1.6	0.32	0.44	2.55	0.14		.5	7	0	FC62
2959	11/7	1112 / 1121	"	1.6	0.35	0.34	2.55	0.12		.5	7	0	"
2960	11/14	0911 / 0920	"	1.6	0.33	0.30	2.56	0.10		.5	7	0	"
2961	11/21	1130 / 1139	"	1.6	0.48	0.21	2.56	0.10		.5 .6	7	0	"
2962	11/27	1007 / 1010	BROOK	1.5	0.30	0.33	2.62	0.10		.5	6	0	FC35
2963	12/5	1333 / 1340	DE VORE - FAIRCHILD	1.6	0.62	0.47	2.58	0.29		.5 .6	7	0	FC62
2964	12/12	0920 / 0930	DE VORE	1.6	0.50	0.28	2.55	0.14		.5 .6	7	0	"
2965	12/19	1327 / 1333	"	2.3	0.27	1.78	3.00	0.48		.5	6	0	"
2966	12/26	0926 / 0952	"	58.5	80.9	5.63	5.72	454.		.6	12	0	FC20
2967	12/26	1311 / 1326	"	30.6	21.3	2.34	4.30	49.8		.6	15	-.01	FC22
2968	12/26	1631 / 1644	"	24.5	12.9	2.06	3.96	26.6		.6	14	-.01	"
2969	12/30	1434 / 1445	DE VORE - KEIM	20.5	11.5	2.10	3.95	24.2		.6	11	0	"
2970	1/2	1008 / 1017	DE VORE	2.5	0.57	0.84	3.33	0.48		.5 .6	8	0	FC62
2971	1/9	0948 / 1001	DE VORE - KEIM	3.8	1.29	0.41	3.28	0.53		.5	8	0	"
2972	1/16	0910 / 0923	BROOK	3.8	1.27	0.39	3.27	0.49		.5	8	0	"
2973	1/23	1026 / 1036	DE VORE	3.8	1.25	0.41	3.28	0.51		.6	8	0	"
2974	1/28	0955 / 1006	"	18.2	12.8	2.10	3.98	26.9		.6	11	0	FC22
2975	1/30	0947 / 1002	DE VORE - TWITTY	18.4	13.4	2.01	3.98	27.0		.6	14	0	"
2976	2/3	1636 / 1650	DE VORE - KEIM	48.4	51.0	2.84	4.77	145.		.6	15	-.02	"
2977	2/4	1050 / 1120	E. WINDER - R. WINDER	55.0	78.5	4.65	5.35	365.		.6	12	-.01	FC20
2978	2/4	1530 / 1600	" "	65.0	177.	4.94	6.86	875.		.6	14	0	"
2979	2/5	1713 / 1732	DE VORE	59.0	169.	4.68	6.53	791.		.6	13	-.01	"
2980	2/6	1326 / 1338	DE VORE - KEIM	54.4	70.4	2.19	4.94	154.		.6	14	0	FC22
2981	2/10	1514 / 1527	" "	51.5	78.8	1.69	4.83	133.		.6	15	0	"
2982	2/12	0925 / 0943	DE VORE	37.8	28.9	1.19	4.10	34.4		.6	15	0	"
2983	2/15	1411 / 1420	"	1.8	0.42	1.26	3.46	0.53		.5 .6	6	0	FC62
2984	2/20	1131 / 1139	DE VORE - KEIM	3.2	1.62	1.30	3.54	2.1		.6	8	0	"
2985	2/24	1351 / 1403	" "	37.8	34.4	1.37	4.20	47.0		.6	14	0	FC18
2986	2/25	1346 / 1403	" "	49.7	57.8	1.68	4.58	96.9		.6	17	0	"
2987	2/27	1005 / 1024	DE VORE	48.8	58.0	1.63	4.58	94.3		.6	17	0	FC22
2988	3/1	1549 / 1603	"	38.7	38.3	1.41	4.28	53.9		.6	14	0	"
2989	3/6	1443 / 1448	DE VORE - KEIM	2.8	1.04	0.96	3.52	1.0		.6	7	0	FC62
2990	3/13	0957 / 1009	DE VORE	3.2	1.13	0.97	3.52	1.1		.6	9	0	"
2991	3/15	2130 / 2210	E. WINDER - R. WINDER	61.0	178.	4.86	6.52	865.		.6	13	0	FC20
2992	3/16	0100 / 0130	E. WINDER	62.0	180.	4.77	6.50	855.		.6	15	0	"
2993	3/20	0945 / 1005	DE VORE - KEIM	49.7	64.2	1.57	4.53	101.		.6	18	0	FC22
2994	3/20	1550 / 1612	DE VORE	59.0	135.	4.07	5.95	549.		.6	13	0	FC20
2995	3/27	1008 / 1014	DE VORE - KEIM	14.6	10.3	1.39	3.38	14.3		.6	9	+.04	FC22
2996	4/2	0630 / 0705	E. WINDER - R. WINDER	60.0	134.	39.0	5.84	525.		.6	13	0	FC20
2997	4/2	1045 / 1115	E. WINDER-BARR	47.0	66.2	1.46	4.51	100.		.6	11	0	"
2998	4/3	0910 / 0940	E. WINDER	60.0	123.0	4.23	5.79	538.		.6	13	0	"
2999	4/3	1235 / 1305	"	63.0	184.	4.15	6.64	867.		.6	15	0	"
3000	4/3	1440 / 1520	E. WINDER - R. WINDER	65.0	194.	5.24	7.04	1020		.6	15	0	"
3001	4/5	0942 / 1005	DE VORE	64.0	216.	5.69	7.54	1230.		.6	14	0	"
3002	4/5	2230 / 2300	E. WINDER	60.0	134.	4.18	6.20	560.		.6	13	0	"
3003	4/6	0715 / 0735	E. WINDER - R. WINDER	55.0	97.0	1.82	5.54	276.		.6	12	0	FC20
3004	4/7	1536 / 1548	DE VORE - KEIM	61.0	114.	2.43	5.51	277.		.6	14	0	FC22
3005	4/10	1012 / 1036	" "	56.5	108.	2.28	5.40	247.		.6	15	0	"
3006	4/17	1400 / 1416	DE VORE	10.8	6.46	1.05	3.89	6.8		.6 .5	13	0	"
3007	4/24	1019 / 1038	MC BRIDE - DE VORE	12.5	6.31	0.95	3.91	6.0		.6 .5	13	0	"
3008	4/26	1120 / 1145	E. WINDER - R. WINDER	18.0	22.6	2.86	4.66	64.4		.6	20	0	FC20
3009	4/26	1450 / 1510	E. WINDER-BARR	19.0	25.2	2.96	4.71	74.6		.6	20	0	"
3010	4/28	1041 / 1113	DE VORE	53.7	58.4	1.18	4.71	69.2		.6 .5	21	0	FC22
3011	5/1	1031 / 1101	"	53.9	58.7	1.17	4.71	68.8		.6 .5	21	0	"
3012	5/5	1031 / 1059	"	52.8	49.9	0.93	4.55	46.4		.6	19	0	"
3013	5/8	0948 / 1018	"	51.8	51.4	0.93	4.55	47.6		.6	20	0	"
3014	5/9	1402 / 1421	"	17.4	16.9	2.25	4.50	38.0		.6	15	0	"
3015	5/15	1127 / 1146	"	17.7	17.5	1.84	4.44	32.3		.6	16	0	"
3016	5/22	1120 / 1140	"	17.1	15.8	1.49	4.34	23.6		.6	16	0	"
3017	5/28	1445 / 1505	"	17.0	16.0	1.51	4.34	24.1		.6	16	0	"
3018	5/29	1019 / 1036	"	16.9	15.3	1.41	4.30	21.5		.6	16	0	"
3019	5/29	1319 / 1343	"	16.2	13.3	1.08	4.19	14.4		.6	16	0	"
3020	6/5	1037 / 1052	DE VORE - KEIM	16.3	13.6	1.16	4.19	15.8		.6	15	0	"
3021	6/12	1103 / 1118	DE VORE	15.3	14.5	1.08	4.19	15.6		.6	14	0	FC18
3022	6/19	1018 / 1036	"	15.4	14.9	1.09	4.22	16.2		.6	14	0	FC22
3023	6/26	1001 / 1014	"	10.8	6.06	1.18	3.96	7.1		.6	10	0	"
3024	7/3	0948 / 1007	"	15.0	12.8	0.87	4.11	11.1		.6	15	0	"
3025	7/10	0922 / 0940	"	15.8	14.8	1.12	4.25	16.6		.6	15	0	"
3026	7/11	0858 / 0917	"	16.4	18.1	1.60	4.45	29.0		.6	16	0	"
3027	7/14	1245 / 1300	SJOSTEDT	17.7	19.7	2.00	4.54	39.3		.6	13	0	"
3028	7/17	1300 / 1330	"	17.9	21.1	2.37	4.60	50.0		.6	18	0	"
3029	7/21	1210 / 1230	"	18.0	23.4	2.69	4.70	62.9		.6	13	0	"
3030	7/24	1310 / 1330	"	18.5	25.2	2.40	4.70	60.6		.6	13	0	"
3031	7/28	1500 / 1540	"	49.0	60.0	1.33	4.76	80.1		.6 .5	19	0	"
3032	7/31	1325 / 1400	"	51.0	58.4	1.24	4.72	72.4		.6 .5	17	0	"
3033	7/31	1555 / 1620	SJOSTEDT - WINDER	50.5	60.3	1.21	4.74	76.0		.6 .5	16	0	"
3034	8/1	1300 / 1328	"	50.0	59.3	1.28	4.74	75.0		.6 .5	16	0	"
3035	8/4	1305 / 1350	SJOSTEDT	52.0	61.5	1.28	4.75	78.6		.6 .5	19	0	"
3036	8/7	1420 / 1445	"	51.0	64.0	1.37	4.81	89.0		.6 .5	16	0	"
3037	8/8	0935 / 1005	"	51.0	65.0	1.48	4.87	96.4		.6 .5	16	0	"
3038	8/11	1404 / 1431	DE VORE	54.5	65.4	1.38	4.82	90.5		.6	20	0	"
3039	8/11	1551 / 1618	"	54.9	70.8	1.67	4.94	118.		.6	22	0	"
3040	8/11	1753 / 1813	DE VORE - WINDER	54.7	68.3	1.55	4.90	106.		.6	19	0	"
3041	8/14	1144 / 1154	DE VORE	10.7	6.26	0.64	3.83	4.0		.6	11	0	"
3042	8/14	1535 / 1554	"	16.5	17.6	1.28	4.34	22.6		.6	15	0	"
3043	8/14	1632 / 1658	"	52.1	55.2	1.08	4.64	59.8		.6	20	0	"
3044	8/14	1932 / 1954	DE VORE - WINDER	54.0	85.3	1.78	5.08	152.		.6	19	0	"
3045	8/18	1142 / 1201	DE VORE - KEIM	18.0	20.0	1.99	4.51	39.8		.6	18	0	"
3046	8/21	0945 / 1007	DE VORE	18.1	20.1	1.89	4.51	38.0		.6	17	0	"
3047	8/28	0929 / 0951	"	18.3	19.7	1.86	4.50	36.6		.6	18	0	"
3048	8/28	1138 / 1202	"	52.0	56.0	0.83	4.54	46.5		.6	19	0	"
3049	9/4	1111 / 1133	"	18.3	20.9	1.95	4.53	40.8		.6	18	0	"
3050	9/11	1009 / 1037	"	18.4	20.7	2.02	4.54	41.7		.6	18	0	"
3051	9/18	1125 / 1150	"	18.3	20.4	2.02	4.52	41.2		.6	18	0	FC18
3052	9/25	1023 / 1045	"	18.4	20.9	1.95	4.52	40.8		.6	18	0	FC22

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER - WEST FORK

NEAR Below Cogswell Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 59

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	B. HT. CHANGE TOTAL	METER NO.
3053	10/2	1022 / 1047	DE VORE	18.3	21.4	2.07	4.54	44.2		.6	19	0	FC22
3054	10/8	1055 / 1120	"	18.3	2.09	1.98	4.52	41.3		.6	19	0	"
3055	10/16	1052 / 1111	DE VORE - PETERSEN	17.5	16.6	1.38	4.28	23.0		.6	17	0	"
3056	10/23	1340 / 1401	DE VORE	16.9	15.7	1.25	4.25	19.7		.6	16	0	"
3057	10/27	1012 / 1028	"	12.5	6.20	0.98	3.88	6.1		.5/.6	12	-.02	"
3058	10/30	0940 / 0954	"	12.0	5.53	1.05	3.84	5.8		.5/.6	12	0	"
3059	10/30	1139 / 1159	"	10.4	6.66	0.78	3.82	5.2		.6	15	0	"
3060	11/6	1045 / 1103	"	9.4	6.28	0.78	3.82	4.9		.6	15	0	"
3061	11/13	1114 / 1122	"	2.6	0.47	0.85	3.47	0.40		.6	7	0	FC62
3062	11/20	0943 / 0954	"	2.4	0.66	0.79	3.50	0.52		.5/.6	8	0	"
3063	11/26	1032 / 1043	"	2.4	0.66	0.70	3.49	0.46		.5/.6	8	0	"
3064	12/4	1028 / 1037	"	2.5	0.75	0.69	3.52	0.52		.5/.6	8	0	"
3065	12/11	1035 / 1045	"	2.5	0.76	0.76	3.53	0.58		.5/.6	8	0	"
3066	12/18	0943 / 0953	"	2.6	0.79	0.82	3.54	0.65		.5/.6	8	0	"
3067	12/26	1119 / 1129	"	2.6	0.79	0.86	3.54	0.68		.5/.6	8	0	"
3068	12/31	1047 / 1057	"	2.6	0.82	0.77	3.54	0.63		.6	8	0	"
3069	1/8	1015 / 1025	"	2.9	0.45	0.53	3.59	0.24		.5	9	0	"
3070	1/13	1001 / 1015	"	14.3	8.07	0.65	3.93	5.2		.5/.6	12	0	FC22
3071	1/13	1242 / 1256	"	12.8	7.24	1.16	4.06	8.4		.5/.6	13	0	"
3072	1/15	1301 / 1315	WALTER-DE VORE	4.1	0.97	0.84	3.68	0.81		.5	10	-.02	FC62
3073	1/16	0949 / 1005	DE VORE	13.5	8.57	1.47	4.14	12.7		.6/.5	12	0	FC22
3074	1/16	1137 / 1155	DE VORE - BARR	13.4	7.97	1.37	4.09	10.9		.5/.6	13	+.02	"
3075	1/16	1336 / 1351	" "	13.3	7.68	1.28	4.07	9.8		.5/.6	13	0	"
3076	1/22	1028 / 1054	BOWMAN	12.7	7.53	1.34	4.08	10.1		.5/.6	15	0	FC6
3077	1/29	0914 / 0930	DE VORE	13.4	7.49	1.20	4.06	9.0		.5/.6	13	0	"
3078	2/5	0920 / 0936	"	13.4	7.74	1.19	4.06	9.2		.6	13	0	"
3079	2/11	1055 / 1107	DE VORE - KEIM	50.0	47.7	1.77	4.79	84.2		.6	15	0	"
3080	2/11	1152 / 1205	" "	50.6	53.3	2.00	4.87	106.		.6	16	0	"
3081	2/12	1147 / 1200	" "	17.7	17.4	1.66	4.38	28.9		.6	16	0	"
3082	2/14	1134 / 1147	DE VORE	13.8	8.19	1.32	4.09	10.8		.6	12	0	"
3083	2/16	1900 / 1915	WINDER-ROBB	49.0	59.0	2.30	4.88	136.		.6	11	0	FC20
3084	2/18	1132 / 1146	DE VORE - KEIM	50.9	56.5	2.11	4.86	119.		.6	16	0	FC22
3085	2/19	1043 / 1057	" "	46.4	40.8	1.26	4.53	51.4		.6	14	0	"
3086	2/26	1007 / 1025	DE VORE	18.5	21.1	2.10	4.52	44.3		.6	16	0	"
3087	3/5	1003 / 1019	"	13.2	8.60	1.50	4.13	12.9		.6	13	0	"
3088	3/12	1004 / 1013	DE VORE	3.1	1.00	0.55	3.61	0.55		.6	8	+.01	FC62
3089	3/19	1004 / 1016	"	3.3	1.05	0.56	3.62	0.59		.6	9	0	"
3090	3/26	0956 / 1010	"	3.4	0.95	0.53	3.62	0.50		.5/.6	10	0	"
3091	4/2	0944 / 1007	"	3.8	1.00	0.53	3.64	0.53		.5/.6	11	0	"
3092	4/9	0936 / 0946	"	3.1	0.65	0.75	2.67	0.49		.5/.6	9	0	"
3093	4/16	0950 / 0959	"	3.2	0.48	1.31	2.64	0.63		.5/.6	9	0	"
3094	4/23	0959 / 1011	"	2.8	0.65	0.95	2.63	0.62		.5/.6	10	0	"
3095	4/30	1027 / 1044	"	8.3	3.94	1.83	3.13	7.2		.6	14	0	FC22
3096	5/4	1012 / 1027	DE VORE - KEIM	8.6	3.98	1.33	3.04	5.3		.5/.6	13	0	"
3097	5/7	1013 / 1028	DE VORE - LINDSAY	8.5	4.11	1.24	3.04	5.1		.6	13	-.01	"
3098	5/14	1023 / 1039	DE VORE	8.5	4.00	1.28	3.03	5.1		.6	13	0	"
3099	5/21	0955 / 1017	"	8.5	4.06	1.26	3.03	5.1		.6	15	0	"
3100	5/28	1015 / 1036	WALTER-DE VORE	8.2	4.03	1.34	3.04	5.4		.5/.6	14	0	"
3101	6/4	0951 / 1010	DE VORE	8.4	3.97	1.31	3.03	5.2		.5/.6	15	0	"
3102	6/11	0958 / 1014	"	8.4	3.95	1.29	3.02	5.1		.5/.6	13	0	"
3103	6/18	0946 / 1003	"	8.4	3.91	1.25	3.01	4.9		.5/.6	15	0	"
3104	6/25	1115 / 1125	SJOSTEDT	8.5	4.13	1.14	2.98	4.7		.5/.6	10		"
3105	7/2	0957 / 1015	DE VORE	8.4	3.85	1.19	3.00	4.6		.5/.6	16	0	"
3106	7/6	0952 / 1011	"	8.6	4.34	1.38	3.06	6.0		.5/.6	16	0	"
3107	7/7	1006 / 1026	"	8.7	4.37	1.40	3.06	6.1		.5/.6	16	0	"
3108	7/7	1343 / 1403	"	8.6	4.19	1.31	3.04	5.5		.5/.6	16	0	"
3109	7/9	0957 / 1016	"	8.5	4.01	1.30	3.03	5.2		.5/.6	16	0	"
3110	7/16	0938 / 0959	"	8.5	3.98	1.28	3.02	5.1		.5/.6	16	0	"
3111	7/23	0948 / 1008	"	8.4	3.89	1.23	3.02	4.8		.5/.6	17	0	"
3112	7/30	1105 / 1125	"	8.4	3.98	1.23	3.01	4.9		.5/.6	17	0	"
3113	8/6	1033 / 1051	"	8.5	3.92	1.22	3.00	4.8		.5/.6	16	0	"
3114	8/13	0933 / 0950	"	8.5	4.03	1.26	3.02	5.1		.5	16	0	"
3115	8/20	0943 / 1001	ROY-DE VORE	8.5	4.04	1.21	3.01	4.9		.5	17	0	"
3116	8/27	1008 / 1027	DE VORE	8.4	3.89	1.21	3.00	4.7		.5/.6	16	0	"
3117	9/3	0954 / 1018	BOWMAN-DE VORE	8.4	3.73	1.18	2.99	4.4		.5/.6	17		"
3118	9/10	1011 / 1030	DE VORE	8.4	3.81	1.13	2.99	4.3		.5/.6	16	0	"
3119	9/17	1100 / 1115	BOWMAN	8.4	3.75	1.12	2.98	4.2		.5/.6	11	0	"
3120	9/24	1245 / 1300	"	8.7	3.95	1.16	3.01	4.6		.5	11	0	"
3121	9/24	1615 / 1630	"	8.7	4.06	1.36	3.06	5.5		.5/.6	11	0	"

F6D74M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F20C-R

Daily discharge, in second-feet of SAN GABRIEL RIVER - WEST FORK below Cogswell Dam, for the year ending September 30, 19 59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	8.0	0.1	0.1	b 0.5	27	54	165	68	14.4	12.4	76	43
2	8.0	0.2	0.1	b 0.5	27	54	259	68	14.8	11.1	72	42
3	8.0	f .0.1	0.1	0.5	87	54	668	68	15.3	11.1	74	40
4	8.0	a 0.1	0.2	0.5	551	54	1150	68	15.7	11.1	78	40
5	8.0	a 0.1	0.8	0.5	693	32	1170	53	15.7	11.1	78	40
6	8.0	a 0.1	0.2	0.5	153	1.0	349	47	15.7	11.1	76	40
7	8.0	f 0.1	0.2	0.5	150	0.9	272	47	15.7	11.1	84	40
8	8.0	0.1	0.2	0.5	145	0.9	277	47	15.7	14.0	94	42
9	7.7	0.1	0.1	0.5	141	0.9	180	41	16.2	16.7	92	42
10	7.7	0.1	0.1	0.5	133	1.0	247	38	16.2	20	92	42
11	8.2	0.1	0.1	0.5	76	1.1	247	38	16.2	29	97	42
12	8.0	0.1	0.1	0.5	35	1.1	247	38	15.5	29	103	40
13	8.0	0.1	0.1	0.5	18.3	1.1	247	38	16.2	29	55	40
14	7.7	0.1	0.1	0.5	0.5	1.1	105	38	16.2	35	44	40
15	7.0	0.1	1.6	0.5	0.5	366	7.0	33	16.2	43	153	37
16	8.2	0.1	b 0.6	0.5	0.5	366	7.0	33	16.2	51	150	42
17	8.2	0.1	0.6	0.5	0.5	v 1.8	7.0	33	16.2	51	145	42
18	8.2	0.1	0.6	0.5	0.5	v 2.0	7.0	33	16.2	51	76	42
19	8.2	0.4	b 0.5	0.5	10.3	v 2.2	7.0	27	16.2	51	39	42
20	8.2	0.1	7.0	0.5	2.2	230	6.7	24	16.2	51	38	42
21	8.0	0.1	b 0.3	0.5	2.0	524	6.4	24	13.4	58	38	42
22	8.0	0.1	0.3	0.5	1.9	200	6.2	24	7.2	63	38	42
23	7.7	0.1	0.3	0.5	29	v 2.3	5.9	24	7.2	61	38	42
24	7.7	0.1	0.3	0.5	47	2.3	5.9	24	7.2	61	38	42
25	7.7	0.1	b 0.3	0.6	76	2.3	5.9	24	7.2	61	37	40
26	7.7	0.1	9.0	16.8	96	v 2.2	44	24	7.2	61	37	40
27	7.7	0.1	2.6	27	94	4.2	72	24	7.2	61	37	40
28	6.2	0.1	2.5	27	80	v 2.3	70	24	7.2	67	42	40
29	0.2	0.1	2.5	27		2.4	70	19.1	7.2	68	47	40
30	0.1	0.1	2.4	27		2.5	70	14.4	12.2	68	46	40
31	0.2		9.2	27		v 2.6		14.4		72	44	
		3.4		164.4	1991.0			1119.9		1250.7		1228.0
	220.5		214.1		2677.2		5981.0		399.9		2158.0	
MEAN	7.11	0.11	6.91	5.30	95.6	64.2	199.	36.1	13.3	40.3	69.6	40.9
ACRE-FEET	437.	6.7	425.	326.	5310.	3950.	11,860.	2220.	7920.	2480.	4280.	2440.

Remarks:

YEAR OR PERIOD MEAN 47.7
ACRE-FEET 34,530.

FORM Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F209-R

Daily discharge, in second-feet of SAN GABRIEL RIVER - WEST FORK below Cogswell Dam for the year ending September 30, 1959

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	39	5.2	0.5	0.7	9.0	43	0.5	6.0	5.1	3.7	4.9	4.4
2	42	5.2	0.5	0.7	9.4	43	f 0.5	6.0	5.1	5.3	4.7	4.4
3	44	5.0	0.5	0.7	9.4	42	0.5	5.6	5.1	6.0	4.7	4.4
4	43	5.0	0.5	0.7	9.4	26	0.5	5.3	5.1	6.0	4.7	4.4
5	43	4.8	0.5	0.9	9.4	12.7	0.5	5.3	5.1	6.0	4.7	4.4
6	42	4.8	0.5	7.6	9.4	12.7	0.5	5.1	5.1	6.0	4.7	4.4
7	42	4.8	0.5	0.4	9.4	12.7	f 0.5	4.9	5.1	5.7	4.7	4.4
8	42	4.8	0.6	0.3	10.0	12.7	0.5	4.9	5.1	a 5.1	4.7	4.4
9	42	4.8	0.6	0.2	9.7	12.7	0.5	5.1	5.1	f 5.1	4.9	4.4
10	40	2.8	0.5	0.2	10.0	12.7	0.5	5.1	5.1	5.1	4.9	4.4
11	40	0.4	0.5	0.2	7.2	6.1	0.5	5.1	5.1	5.1	5.1	4.4
12	39	0.4	0.6	0.3	5.0	0.5	0.5	5.1	5.1	5.1	5.1	4.4
13	38	0.4	0.6	4.9	2.7	0.5	0.4	5.1	5.1	5.1	5.1	4.2
14	38	0.4	0.6	3.3	16.4	0.5	0.5	5.1	5.1	5.1	5.1	4.2
15	26	0.4	0.6	4.4	10.7	0.5	0.6	5.1	4.9	5.1	5.1	4.2
16	23	0.4	0.6	11.3	4.9	0.6	0.6	4.9	4.9	5.1	4.9	4.2
17	23	0.5	0.6	9.7	12.0	0.6	0.6	4.9	4.9	5.1	4.9	4.2
18	22	0.5	0.6	9.7	9.7	0.6	0.6	5.1	4.9	5.1	4.9	4.2
19	22	0.5	0.6	9.7	5.1	0.6	0.6	5.1	4.7	5.1	4.9	4.2
20	22	0.6	0.6	10.0	5.0	0.6	0.6	5.1	4.7	4.9	4.9	4.2
21	21	0.8	0.6	10.0	5.0	0.6	0.6	5.1	4.7	4.9	4.9	4.0
22	20	0.7	0.6	10.0	4.8	0.6	0.6	5.1	4.7	4.9	4.9	4.0
23	19.8	0.7	0.7	10.0	4.7	0.5	0.6	5.1	4.7	4.9	4.7	4.4
24	19.8	0.6	0.6	10.4	4.6	0.5	0.6	5.1	4.7	4.9	4.7	5.2
25	19.3	0.5	0.7	10.4	4.6	0.5	0.8	5.3	4.7	4.9	4.7	5.6
26	19.3	0.5	0.7	9.7	4.4	0.5	0.8	5.3	4.4	4.9	4.7	5.6
27	11.1	0.5	0.7	9.4	4.4	0.5	0.6	5.3	4.4	4.9	4.7	5.6
28	5.9	0.5	0.7	9.0	4.4	0.5	0.6	5.3	4.2	4.9	4.7	5.3
29	5.7	0.5	0.7	9.0		0.5	0.6	5.3	4.0	4.9	4.7	5.3
30	5.7	0.5	0.7	9.0		0.5	4.3	5.3	3.8	4.9	4.7	5.3
31	5.2		0.7	9.0		0.5		5.1		4.9	4.6	
	864.8	57.5	18.5	181.8	1007.2	247.0	20.7	161.2	144.7	158.7	149.6	136.7
MEAN	27.9	1.92	0.60	5.86	36.0	7.97	0.69	5.20	4.82	5.12	4.83	4.56
ACRE-FEET	1720.	114.	37.	361.	2000.	490.	41.	320.	287.	315.	297.	271.

Remarks:

YEAR OR PERIOD MEAN 8.62
ACRE-FEET 6250.

STATION P3-R
SAN GABRIEL RIVER - WEST FORK above Forks

LOCATION: WATER-STAGE RECORDER, LAT. 34°14'30", LONG. 117°51'45", ON THE RIGHT (SOUTH) BANK, 0.2 MILE ABOVE RINCON RANGER STATION, 1.5 MILES ABOVE EAST FORK AND ABOUT 13.5 MILES NORTH OF AZUSA. ELEVATION OF ZERO GAGE HEIGHT, 1474.94 FEET.

DRAINAGE AREA: 102 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - SAND, GRAVEL AND BOULDERS. NO ARTIFICIAL CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM CABLE CAR 15 FEET BELOW STATION.

RECORDER: AN AU CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1957 TO SEPTEMBER 30, 1959.

REGULATION: FLOW PARTIALLY REGULATED BY COGSWELL DAM.

DIVERSIONS: NONE.

RECORDS AVAILABLE: DECEMBER 3, 1930 TO SEPTEMBER 30, 1959 FOR RECORDS PRIOR TO DECEMBER 3, 1930 AT THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT OFFICE FILED WITH STATION P1-R, SAN GABRIEL RIVER - WEST FORK 0.5 MILE ABOVE FORKS. RECORDS FROM JULY 12, 1938 TO SEPTEMBER 27, 1938 ARE FROM STATION P3B-R, SAN GABRIEL RIVER - WEST FORK, 400 FEET BELOW NORTH FORK.

EXTREMES OF DISCHARGE:
1957-58
MAXIMUM 3570 SECOND-FEET APRIL 3.
MINIMUM 5.4 SECOND-FEET NOVEMBER 22.
1958-59
MAXIMUM 2380 SECOND-FEET JANUARY 6.
MINIMUM 6.5 SECOND FEET SEPTEMBER 11.
1930-59 (STATIONS P1-R, P3-R, P3B-R).
MAXIMUM 34,000 SECOND-FEET, ESTIMATED MARCH 2, 1938.
MINIMUM 0.3 SECOND-FOOT OCTOBER 17, 1931.

ACCURACY: GOOD.

REVISION: THE MAXIMUM DISCHARGE FOR THE WATER-YEAR 1932-33 HAS BEEN REVISED TO 5550 SECOND-FEET ON JANUARY 19, 1933.

OPERATION: MOVED FROM A PREVIOUS LOCATION BY THE DISTRICT FOR THE PASADENA WATER DEPARTMENT. THIS STATION WAS LATER TAKEN OVER, RECONSTRUCTED, AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT IN COOPERATION WITH THE UNITED STATES GEOLOGICAL SURVEY, WATER RESOURCES BRANCH.

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER - WEST FORK

AT OR NEAR above Forks DURING THE YEAR ENDING SEPTEMBER 30, 19 58

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
3197	10/1	1527 / 1546	DE VORE	20.7	14.9	0.58	7.34	8.6		.6	15	0	FC22
3198	10/3	1353 / 1410	DE VORE - BLAKELY	20.7	15.3	0.65	7.36	10.0		.6	16	-.01	"
3199	10/7	1455 / 1511	DE VORE - KEIM	8.1	6.21	1.60	6.93	9.9		.6	15	-.01	"
3200	10/10	1422 / 1438	DE VORE	8.0	6.06	1.62	6.93	9.8		.6	14	0	"
3201	10/11	1445 / 1500	DE VORE - KEIM	26.1	30.6	1.82	7.76	55.6		.6	15	-.05	"
3202	10/11	1736 / 1746	" "	25.6	25.8	1.56	7.57	40.3		.6	14	-.02	"
3203	10/12	0802 / 0920	" "	22.3	14.6	1.23	7.13	17.9		.6	16	0	"
3204	10/14	1149 / 1206	" "	10.9	8.47	1.86	7.06	15.7		.6	17	.01	"
3205	10/17	1458 / 1517	DE VORE	10.7	7.76	1.64	6.97	12.7		.6	16	0	"
3206	10/21	0945 / 1003	"	10.8	8.53	1.86	7.06	15.9		.6	16	0	"
3207	10/24	1347 / 1406	"	10.7	7.88	1.70	6.98	13.4		.6	16	0	"
3208	10/28	0941 / 1004	"	10.6	7.93	1.60	6.96	12.7		.6	18	0	"
3209	10/31	0922 / 0940	"	10.2	6.70	1.24	6.82	8.3		.6	16	0	"
3210	11/3	0723 / 0736	DE VORE - KEIM	11.5	10.0	2.02	7.18	20.2		.6	13	0	"
3211	11/4	0955 / 1012	DE VORE	10.8	8.27	1.63	6.99	13.5		.6	15	0	"
3212	11/7	0856 / 0916	"	10.4	7.10	1.32	6.86	9.4		.6	16	0	"
3213	11/14	1341 / 1359	"	10.1	6.41	1.11	6.78	7.1		.6	15	0	"
3214	11/18	0942 / 1000	DE VORE - KEIM	10.1	6.32	1.11	6.78	7.0		.6	18	0	"
3215	11/21	0952 / 1010	DE VORE	10.0	6.25	1.07	6.77	6.7		.6	15	0	"
3216	11/27	1334 / 1345	BROOK	10.2	4.74	1.43	6.75	6.8		.5	12	0	FC35
3217	12/2	1501 / 1521	DE VORE	10.0	6.04	1.01	6.74	6.1		.6	17	0	FC22
3218	12/5	0918 / 0940	DE VORE - FAIRCHILD	24.0	21.8	1.79	7.42	30.9		.6	14	0	"
3219	12/9	1411 / 1431	DE VORE	10.4	7.36	1.44	6.91	10.6		.6	16	0	"
3220	12/12	1245 / 1304	DE VORE	10.3	7.21	1.39	6.88	10.0		.6	16	0	"
3221	12/15	0912 / 0922	"	11.3	9.06	1.87	7.12	16.9		.6	12	+.02	"
3222	12/15	1248 / 1258	DE VORE - KEIM	28.0	39.6	1.87	8.00	74.2		.6	15	+.16	"
3223	12/15	1533 / 1603	" "	69.0	142.	4.42	9.70	627.		.6	14	+.45	FC18
3224	12/15	2210 / 2222	" "	67.0	233.	7.25	10.78	1690.		.6	9	-.06	"
3225	12/16	0145 / 0158	" "	64.0	195.	6.87	10.20	1340.		.6	9	+.04	"
3226	12/16	1146 / 1200	" "	59.0	94.2	5.36	9.08	505.		.6	12	-.02	"
3227	12/17	0949 / 1002	" "	57.0	76.4	5.72	8.96	437.		.6	13	-.04	"
3228	12/18	1514 / 1530	" "	41.2	46.2	2.77	8.15	128.		.6	16	0	FC22
3229	12/19	1033 / 1046	" "	39.4	29.1	3.08	7.98	89.6		.6	15	0	"
3230	12/23	0959 / 1011	" "	38.4	17.4	2.30	7.70	40.0		.6	15	+.01	"
3231	12/26	1740 / 1752	DE VORE	36.0	24.3	3.20	7.77	77.7		.6	10	-.08	"
3232	12/27	1625 / 1640	"	37.1	18.2	3.23	7.85	58.8		.5 .6	17	+.02	"
3233	12/30	1616 / 1630	"	33.0	13.0	3.34	8.04	43.4		.5 .6	13	0	"
3234	1/2	1418 / 1428	"	19.4	6.93	3.70	7.90	25.6		.5 .6	10	0	"
3235	1/6	1328 / 1338	DE VORE - KEIM	20.8	6.30	3.02	7.86	19.0		.6	12	0	"
3236	1/9	1320 / 1329	" "	12.3	5.63	3.23	7.69	18.2		.6	13	+.02	"
3237	1/13	1410 / 1437	KEIM-DE VORE	13.7	6.88	2.67	7.37	18.4		.5 .6	14	0	"
3238	1/16	1330 / 1350	BROOK	21.5	8.83	1.98	7.34	17.5		.5	14	0	FC35
3239	1/20	1034 / 1106	KEIM-DE VORE	11.9	6.58	2.43	7.31	16.0		.6	13	-.01	FC22
3240	1/23	0850 / 0908	DE VORE	21.1	6.46	2.54	7.30	16.4		.6	13	0	"
3241	1/25	1002 / 1014	DE VORE - KEIM	22.6	12.4	2.27	7.43	28.1		.6	13	+.01	"
3242	1/26	0142 / 0154	" "	36.8	27.1	3.56	7.98	96.6		.6	14	+.07	"
3243	1/26	0502 / 0515	" "	41.4	44.4	5.34	8.40	237.		.6	13	-.03	"
3244	1/26	1441 / 1453	" "	38.0	31.9	3.51	8.00	112.		.6	14	-.08	"
3245	1/27	1059 / 1116	DE VORE	36.0	20.2	3.45	7.89	69.6		.5 .6	14	-.01	"
3246	1/30	1450 / 1506	DE VORE - TWITTY	37.5	18.2	3.02	7.85	55.0		.5 .6	15	+.01	"
3247	2/3	0717 / 0733	DE VORE - KEIM	60.0	97.2	5.57	9.28	541.		.5 .6	13	+.03 -.06	FC18
3248	2/3	1501 / 1516	" "	62.0	101.	6.55	9.46	662.		.6	13	-.13	"
3249	2/4	0640 / 0656	" "	48.0	234.	6.71	11.15	1570.		.6	11	-.17	"
3250	2/4	1018 / 1055	" "	79.0	316.	6.34	11.70	2000.		.6	11	+.07	"
3251	2/4	1512 / 1535	DE VORE - KEIM	77.0	268.	7.39	11.49	1980.		.6	10	-.12	"
3252	2/5	1052 / 1124	DE VORE - CLARK	71.0	184.	5.49	10.29	1010.		.6	15	-.04	"
3253	2/6	1106 / 1120	DE VORE - KEIM	59.0	70.5	6.50	8.97	458.		.5 .6	13	-.04	"
3254	2/7	1338 / 1351	" "	58.0	66.2	5.48	8.79	363.		.6	13	-.01	"
3255	2/8	1535 / 1550	DE VORE - KEIM	58.0	56.0	6.43	8.73	360.		.6	13	+.01	FC19
3256	2/9	1145 / 1200	" "	52.0	47.4	5.80	8.69	275.		.6	15	+.02 -.03	FC22
3257	2/10	1325 / 1340	" "	52.0	49.6	5.34	8.56	265.		.6	15	0	"
3258	2/12	1511 / 1529	DE VORE	46.0	34.6	3.58	8.23	124.		.6	16	+.01	"
3259	2/13	1312 / 1330	"	45.5	32.3	3.34	8.22	108.		.6	16	0	"
3260	2/14	1456 / 1518	"	40.9	25.0	3.12	8.04	77.9		.6	18	+.01	"
3261	2/15	1037 / 1055	"	33.3	24.2	3.09	8.03	74.7		.5 .6	15	0	"
3262	2/16	1233 / 1247	"	32.7	21.8	3.04	8.00	66.3		.6	15	0	"
3263	2/17	1509 / 1527	"	30.9	20.1	2.92	7.94	58.7		.5 .6	14	+.01	"
3264	2/18	1035 / 1053	WOOD	29.0	21.1	3.01	7.89	63.6		.5 .6	13	0	FC57
3265	2/18	1114 / 1131	"	29.5	22.3	2.69	7.88	60.0		.5 .6	14	-.01	"
3266	2/19	0800 / 0811	DE VORE - KEIM	43.8	37.5	3.84	8.29	144.		.6	13	+.03	FC22
3267	2/19	1149 / 1205	" "	72.0	174.	8.28	10.36	1440.		.6	15	+.40	FC18
3268	2/19	1401 / 1422	" "	76.0	248.	6.17	11.03	1530.		.6	14	-.13	"
3269	2/19	1623 / 1652	" "	60.0	141.	4.30	9.59	607.		.6	13	-.17	"
3270	2/20	1512 / 1532	" "	51.0	45.6	5.18	8.43	236.		.6	14	-.02	FC22 FC18
3271	2/21	1455 / 1514	DE VORE	50.0	36.0	4.06	8.34	146.		.6	17	0	FC18
3272	2/22	1354 / 1414	"	47.2	33.7	4.07	8.26	137.		.5 .6	17	-.02	"
3273	2/23	1158 / 1220	"	47.0	33.0	3.91	8.25	129.		.6	17	-.01	"
3274	2/24	1134 / 1152	DE VORE - KEIM	49.2	42.1	4.10	8.45	172.		.6	20	+.02	"
3275	2/25	0744 / 0800	" "	60.0	74.0	6.24	9.05	462.		.5 .6	13	0	"
3276	2/25	1647 / 1701	" "	53.0	55.9	5.17	8.71	289.		.6	15	+.01	"
3277	2/26	1541 / 1556	DE VORE	53.0	46.1	5.08	8.61	234.		.5 .6	15	0	"
3278	2/27	1348 / 1406	"	52.6	44.9	4.97	8.58	223.		.6	15	-.01	FC22
3279	2/28	1536 / 1601	"	55.0	51.3	4.25	8.77	218.		.6	17	+.01	"
3280	3/1	1123 / 1143	"	53.4	40.9	3.92	8.72	160.		.5 .6	18	0	"
3281	3/2	1533 / 1556	"	53.0	41.2	3.64	8.66	150.		.5 .6	20	0	"
3282	3/3	1130 / 1146	DE VORE - KEIM	55.7	43.1	3.71	8.67	160.		.5 .6	18	0	"
3283	3/4	1054 / 1126	WOOD	49.0	38.2	3.80	8.56	145.		.5 .6	24	-.01	FC57
3284	3/5	1143 / 1207	DE VORE		*CHANNEL 5		8.51	142.		.5 .6	22	0	FC22
3285	3/6	1015 / 1033	DE VORE - KEIM		"		8.51	156.		.5 .6	18	+.02	"
3286	3/7	1532 / 1548	DE VORE	31.2	28.1	3.84	8.47	108.		.6	13	0	"
3287	3/8	1106 / 1120	"	30.0	26.9	3.83	8.39	103.		.5 .6	13	0	"
3288	3/9	1227 / 1243	"	27.8	25.2	3.56	8.32	90.0		.5 .6	13	0	"
3289	3/10	1445 / 1503	"	27.6	25.3	3.41	8.28	86.4		.5 .6	13	0	"
3290	3/11	1104 / 1127	WOOD	28.3	27.3	3.75	8.40	102.		.5 .6	17	0	FC57
3291	3/12	1314 / 1331	DE VORE	28.8	27.4	3.42	8.32	93.7		.5 .6	13	0	FC22
3292	3/13	1328 / 1346	"	28.6	27.6	3.41	8.31	94.1		.5 .6	14	0	"
3293	3/14	1504 / 1525	"	28.2	26.8	3.39	8.30	90.8		.5 .6	16	0	"
3294	3/15	1042 / 1054	DE VORE - KEIM	31.4	30.9	3.56	8.41	110.		.5 .6	14	+.02	"
3295	3/15	1258 / 1330	" "	58.0	63.9	4.28	8.79	272.		.5 .6	14	+.02	"
3296	3/15	1643 / 1658	" "	64.0	121.	6.62	9.64	801.		.6	14	+.01	FC18
3297	3/15	1833 / 1849	" "	67.0	152.	6.78	9.94	1030.		.6	15	+.03	"
3298	3/16	0116 / 0144	" "	77.0	264.	6.25	11.15	1650.		.6	16	+.03	"
3299	3/16	0510 / 0535	" "	80.0	291.	6.47	11.35	1080.		.6	16	-.17	"
3300	3/16	1017 / 1043	" "	74.0	207.	6.91	10.64	1430.		.6	15	-.06	"
3301	3/16	1522 / 1535	" "	61.0	108.	5.95	9.39	643.		.6	13	-.02	"
3302	3/17	1038 / 1052	" "	60.0	84.1	5.23	8.94	440.		.6	13	0	"
3303	3/18	1324 / 1337	" "	56.0	64.0	4.61	8.77	295.		.6	14	0	FC22
3304	3/19	1303 / 1320	" "	54.2	55.8	4.50	8.68	251.		.6	20	-.01	"
3305	3/20	1359 / 1413	" "	59.5	67.4	5.28	8.83	335.		.5 .6	13	-.01	FC18
3306	3/20	2211 / 2228	" "	64.0	126.	7.10	9.81	893.		.6	14	0	"
3307	3/21	1345 / 1401	" "	65.0	132.	6.01	9.62	793.		.5 .6	14	-.01	"
3308	3/22	0203 / 0217	" "	67.0	160.	6.75	9.97	1080.		.6	14	-.06	"
3309	3/22	1421 / 1435	" "	58.0	81.2	4.47	8.85	363.		.6	13	0	"
3310	3/23	1157 / 1214	" "	55.4	65.2	4.32	8.80	282.		.6	19	0	FC22
3311	3/24	1510 / 1525	" "	53.0	60.8	4.14	8.71	252.		.6	18	0	"
3312	3/25	1106 / 1122	" "	51.8	56.9	3.75	8.66	213.		.6	18	0	"

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
3313	3/26	1106 / 1125	DE VORE - KEIM	50.0	53.7	3.69	8.63	198.		.6	18	0	FC22
3314	3/27	1536 / 1552	" "	60.0	77.8	4.01	8.84	312.		.5 / .6	13	-.01	FC18
3315	3/28	1449 / 1502	" "	51.8	56.9	3.76	8.66	214.		.6	18	0	FC22
3316	3/31	1317 / 1339	" "	49.6	51.8	3.61	8.58	187.		.6	18	0	"
3317	4/1	0839 / 0858	" "	64.0	128.	5.43	9.56	696.		.6	14	+.12	FC18
3318	4/1	1136 / 1203	" "	85.0	361.	7.20	11.85	2610.		.6	12	+.62 -.15	"
3319	4/1	1520 / 1538	" "	71.5	272.	6.80	11.20	1850.		.6 SUR.	9	-.15	"
3320	4/1	2044 / 2108	" "	71.5	217.	6.40	10.67	1390.		.6	14	-.06	"
3321	4/2	1347 / 1402	" "	63.0	131.	6.17	9.53	808.		.6	14	-.01	"
3322	4/3	0654 / 0725	" "	90.0	439.	6.17	12.45	2710.		.6	10	+.02	"
3323	4/3	1041 / 1101	" "	79.5	334.	7.16	11.34	2390.		.6	14	-.15	"
3324	4/3	1611 / 1623	" "	79.5	267.	7.45	11.41	1990.		.6	12	+.02	"
3325	4/4	1520 / 1537	" "	77.0	221.	7.33	11.07	1620.		.6	15	0	"
3326	4/5	1538 / 1553	" "	75.0	241.	7.31	10.91	1760.		.6	15	0	"
3327	4/6	1020 / 1034	" "	66.0	173.	5.30	9.84	916.		.6	14	-.01	"
3328	4/7	1122 / 1137	" "	69.0	177.	5.94	9.94	1050.		.6	15	0	"
3329	4/8	1451 / 1508	" "	68.0	181.	4.84	9.73	876.		.6	15	+.01	"
3330	4/9	1316 / 1334	" "	62.0	131.	3.73	9.20	488.		.6	14	0	"
3331	4/10	1355 / 1410	" "	66.0	153.	4.53	9.52	694.		.6	15	-.01	"
3332	4/11	1453 / 1510	" "	67.0	150.	4.52	9.50	678.		.6	15	+.01	"
3333	4/14	1514 / 1532	" "	61.0	112.	3.54	8.96	397.		.6	14	-.01	"
3334	4/15	1426 / 1446	" "	56.0	99.0	3.36	8.89	333.		.6	17	0	FC22
3335	4/17	0936 / 1025	" "	56.8	95.3	3.37	8.85	321.		.6	18	-.01	"
3336	4/21	1022 / 1046	" "	55.6	87.4	3.02	8.69	264.		.6	19	+.01 -.01	"
3337	4/24	1418 / 1448	MC BRIDE - DE VORE	53.5	78.3	2.50	8.52	196.		.6	20	-.01	"
3338	4/28	1535 / 1602	DE VORE	55.4	86.4	2.90	8.65	250.		.6	19	0	"
3339	5/1	1511 / 1537	"	55.2	82.7	2.88	8.59	238.		.6	19	0	"
3340	5/5	1338 / 1408	"	53.6	70.9	2.64	8.40	188.		.6	20	-.01	"
3341	5/8	1500 / 1529	"	53.4	69.1	2.62	8.36	181.		.6	20	0	"
3342	5/12	1339 / 1407	"	53.0	66.3	2.59	8.29	172.		.6	19	0	"
3343	5/15	1403 / 1425	"	52.2	58.2	2.42	8.15	141.		.6	18	+.04	"
3344	5/19	0826 / 0856	WOOD	52.0	58.4	2.48	8.18	145.		.5 / .6	22	0	FC57
3345	5/22	1402 / 1426	DE VORE	40.6	47.5	2.55	8.05	121.		.6	18	-.01	FC22
3346	5/26	1314 / 1338	"	41.0	43.0	2.56	8.01	110.		.6	18	0	"
3347	5/29	1500 / 1524	"	40.0	41.0	2.30	7.94	94.4		.6	19	0	"
3348	6/2	1603 / 1629	"	40.8	47.3	1.86	8.00	87.8		.6	17	0	"
3349	6/5	0915 / 0934	DE VORE - KEIM	37.8	39.0	2.39	7.90	93.1		.6	16	0	"
3350	6/9	1317 / 1339	DE VORE	32.6	36.1	2.45	7.84	88.6		.6	18	0	"
3351	6/12	1317 / 1338	"	32.6	35.9	2.35	7.81	84.4		.6	18	-.02	FC18
3352	6/16	1307 / 1325	DE VORE - KEIM	32.2	34.7	2.23	7.79	77.4		.6	17	0	"
3353	6/19	1420 / 1440	DE VORE	28.1	34.7	2.16	7.74	74.8		.6	16	-.01	FC22
3354	6/23	1315 / 1331	DE VORE - KEIM	27.8	29.9	1.93	7.61	57.6		.6	16	0	"
3355	6/26	1311 / 1332	DE VORE	27.9	29.6	1.89	7.59	56.0		.6	16	-.01	"
3356	6/30	1545 / 1605	"	28.2	31.3	1.85	7.65	57.9		.6	16	0	"
3357	7/3	1411 / 1431	"	28.2	30.8	1.74	7.61	53.5		.6	16	-.01	"
3358	7/7	1140 / 1159	"	28.1	31.2	1.67	7.62	52.2		.6	16	0	"
3359	7/10	1341 / 1403	"	28.2	32.1	1.70	7.65	54.4		.6	16	0	"
3360	7/14	1040 / 1100	SJOSTEDT	28.0	35.6	1.99	7.79	70.7		.6	15	-.01	"
3361	7/17	1525 / 1545	"	27.5	38.0	2.20	7.88	83.6		.6	15	0	"
3362	7/21	1005 / 1030	"	29.0	38.8	2.20	7.90	85.4		.6	16	0	"
3363	7/24	1050 / 1110	"	29.0	41.6	2.47	8.00	103.		.6	15	0	"
3364	7/28	1015 / 1040	"	30.0	42.4	2.27	7.98	96.5		.6	16	0	"
3365	7/31	1100 / 1120	"	30.0	41.3	2.23	7.97	92.2		.6	16	+.01	"
3366	8/4	1610 / 1640	"	30.0	42.0	2.39	8.00	96.0		.2 .8 .2 .8	16	0	"
3367	8/7	1200 / 1230	"	30.0	42.7	2.32	8.01	99.1		.2 .8 .6	16	-.01	"
3368	8/12	1012 / 1045	DE VORE	53.8	60.9	2.09	8.18	127.		.6	23	-.01	"
3369	8/14	0905 / 0925	"	30.2	25.4	1.40	7.37	35.4		.6	15	0	"
3370	8/16	1038 / 1117	"	54.6	73.0	2.37	8.40	173.		.6	21	-.01	"
3371	8/18	1002 / 1019	DE VORE - KEIM	54.4	70.9	2.33	8.37	165.		.6	21	-.01	"
3372	8/21	1342 / 1403	DE VORE	29.6	36.0	1.79	7.74	64.5		.6	16	0	FC22
3373	8/25	1511 / 1533	"	29.6	35.6	1.72	7.74	61.3		.6	16	0	"
3374	8/28	1403 / 1422	"	28.9	35.0	1.74	7.73	61.0		.6	16	0	"
3375	9/4	1343 / 1405	"	28.5	32.8	1.92	7.68	63.2		.6	16	0	"
3376	9/8	1007 / 1025	DE VORE - KEIM	28.4	31.8	1.92	7.67	61.3		.6	16	0	"
3377	9/11	1355 / 1415	DE VORE	28.4	32.4	1.97	7.64	64.0		.6	16	0	FC18
3378	9/15	1011 / 1030	DE VORE - KEIM	28.5	32.5	1.95	7.65	63.4		.6	16	-.01	"
3379	9/18	1545 / 1605	DE VORE	26.6	30.0	1.91	7.60	57.2		.6	16	0	"
3380	9/25	1349 / 1411	"	27.2	31.4	1.98	7.63	62.0		.6	17	0	FC22

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER - WEST FORK

~~NEAR~~ above Forks DURING THE YEAR ENDING SEPTEMBER 30, 19 59

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
3381	10/2	1531 / 1555	DE VORE	27.3	31.4	1.87	7.63	58.7		.6	18	0	FC22
3382	10/6	1002 / 1023	DE VORE - KEIM	27.4	32.0	1.92	7.66	61.4		.6	18	0	"
3383	10/8	1407 / 1431	DE VORE	27.3	32.8	1.83	7.64	60.0		.6	18	0	"
3384	10/13	1000 / 1040	KEIM	26.5	32.2	1.71	7.60	55.1		.6	0	0	FC18
3385	10/16	1505 / 1522	DE VORE - PETERSEN	26.2	26.0	1.38	7.37	35.8		.6	17	0	FC22
3386	10/20	1258 / 1319	DE VORE	26.4	26.1	1.39	7.38	36.2		.6	17	-.01	"
3387	10/23	1045 / 1107	"	26.5	26.4	1.36	7.38	35.8		.6	17	0	"
3388	10/27	1446 / 1506	"	26.3	25.7	1.34	7.35	34.4		.6	17	-.04	"
3389	10/30	1516 / 1535	DE VORE - KEIM	21.8	17.0	1.23	7.13	20.9		.6	17	0	"
3390	11/3	0840 / 0925	KEIM	20.5	17.2	1.17	7.14	20.2		.6	16	0	"
3391	11/6	1507 / 1527	DE VORE	21.0	17.4	1.07	7.12	18.7		.6	16	0	"
3392	11/10	0935 / 0956	KEIM	20.5	17.7	1.16	7.14	20.6		.6	16	0	FC18
3393	11/13	1410 / 1431	DE VORE	21.0	17.3	1.04	7.10	17.9		.6	17	0	FC22
3394	11/17	1503 / 1522	DE VORE - KEIM	21.1	17.6	0.99	7.11	17.4		.6	18	0	"
3395	11/20	1452 / 1513	DE VORE	21.1	17.5	1.02	7.10	17.8		.6	17	0	"
3396	11/24	0910 / 0940	KEIM	20.8	17.6	1.02	7.11	18.0		.6	17	0	"
3397	11/26	0902 / 0922	DE VORE	21.1	17.5	0.95	7.10	16.7		.6	17	0	"
3398	12/1	0813 / 0938	KEIM	20.5	17.8	0.98	7.11	17.4		.6	16	0	"
3399	12/4	1509 / 1531	DE VORE	21.2	17.6	0.97	7.10	17.0		.6	19	0	"
3400	12/8	1454 / 1515	"	21.1	17.5	0.94	7.10	16.4		.6	18	0	"
3401	12/11	1337 / 1358	"	21.0	17.3	0.95	7.09	16.4		.6	18	0	FC20
3402	12/15	1150 / 1213	"	21.0	17.4	0.94	7.09	16.4		.6	18	0	FC22
3403	12/18	1443 / 1504	"	21.0	17.3	0.92	7.08	15.7		.6	18	0	"
3404	12/22	1410 / 1431	"	21.0	17.3	0.92	7.08	16.0		.6	18	0	"
3405	12/26	1411 / 1431	"	21.0	17.6	0.97	7.10	17.0		.6	18	0	"
3406	12/29	1308 / 1327	DE VORE - KEIM	21.0	17.4	0.95	7.09	16.6		.6	19	0	"
3407	12/31	0909 / 0932	DE VORE	21.0	17.2	0.95	7.08	16.3		.6	18	0	"
3408	1/5	1120 / 1139	DE VORE - KEIM	21.1	17.4	0.98	7.09	17.1		.6	19	0	"
3409	1/6	0238 / 0248	" "	54.0	62.2	2.32	8.36	144.		.6	13	+.40	"
3410	1/6	0626 / 0654	" "	66.5	208.	3.28	10.12	682.		.6 SUR.	14	-.55	FC18
3411	1/6	1048 / 1100	" "	54.6	90.3	1.79	8.46	162.		.6	13	-.06	"
3412	1/8	1445 / 1505	DE VORE	45.0	37.7	0.77	7.47	29.0		.6	16	-.01	FC22
3413	1/12	1027 / 1045	DE VORE - KEIM	23.6	19.3	1.15	7.35	22.2		.6	17	0	"
3414	1/15	0934 / 0952	DE VORE - WALTER	23.5	18.4	1.14	7.33	20.9		.6	17	0	"
3415	1/19	1312 / 1330	DE VORE - KEIM	23.8	21.5	1.32	7.45	28.4		.6	17	0	"
3416	1/22	1350 / 1415	BOWMAN	21.6	20.5	1.37	7.44	28.1		.5 .6	15	0	FC6
3417	1/26	1059 / 1119	DE VORE - KEIM	23.6	21.1	1.31	7.44	27.6		.6	19	0	FC22
3418	1/29	1302 / 1327	DE VORE	23.4	20.9	1.28	7.42	26.7		.6	20	0	"
3419	2/2	1215 / 1234	DE VORE - KEIM	23.7	20.9	1.23	7.42	25.7		.6	19	0	"
3420	2/5	1404 / 1427	DE VORE	23.9	20.9	1.24	7.42	25.9		.6	19	0	"
3421	2/8	1047 / 1059	DE VORE - KEIM	44.0	49.2	1.01	7.69	49.8		.6	13	0	"
3422	2/9	1352 / 1412	DE VORE	24.3	22.7	1.42	7.50	32.2		.6	19	0	"
3423	2/11	0135 / 0154	DE VORE - KEIM	64.0	157.	3.74	9.48	588.		.6	14	+.52	FC18
3424	2/11	0453 / 0510	" "	65.0	181.	4.66	9.88	842.		.6	14	-.16	"
3425	2/11	1509 / 1519	" "	52.4	101.	2.69	8.76	272.		.6	12	-.02	FC22
3426	2/12	1510 / 1522	" "	47.0	63.9	1.63	8.04	104.		.6	14	-.01	"

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
3427	2/16	0755 / 0812	DE VORE - KEIM	48.8	66.7	2.26	8.21	151.		.6	15	+.04	FC22
3428	2/16	1128 / 1142	" "	63.5	127.	5.48	9.24	696.		.6	14	+.27	FC18
3429	2/16	1337 / 1356	" "	72.0	196.	7.02	10.30	1370.		.6	16	+.10	"
3430	2/16	1717 / 1731	" "	71.0	194.	6.78	10.30	1310.		.6	15	-.08	"
3431	2/17	1622 / 1636	" "	52.0	73.8	4.06	8.68	300.		.6	15	-.01	FC22
3432	2/18	1442 / 1455	" "	50.0	61.1	3.68	8.47	225.		.6	15	+.01	"
3433	2/19	1431 / 1447	" "	48.2	40.3	3.35	8.16	135.		.6	17	-.02	"
3434	2/21	1611 / 1727	" "	48.2	39.9	3.22	8.20	128.		.6	19	0	"
3435	2/24	1242 / 1304	DE VORE	47.8	34.0	3.00	8.04	102.		.5 .6	18	+.01	"
3436	2/26	1405 / 1424	"	47.6	34.9	2.84	8.02	99.5		.5 .6	18	+.01	"
3437	3/2	1319 / 1333	"	47.2	32.0	2.94	7.99	94.3		.6	18	+.02 -.01	"
3438	3/5	1505 / 1521	"	39.0	21.8	2.70	7.68	58.8		.6	15	0	"
3439	3/9	1056 / 1112	DE VORE - KEIM	37.4	19.6	2.49	7.60	48.9		.5 .6	16	0	"
3440	3/12	1348 / 1406	DE VORE	34.7	15.0	2.20	7.45	33.1		.5 .6	18	0	"
3441	3/16	1121 / 1141	DE VORE - KEIM	33.9	14.7	2.09	7.42	30.7		.5 .6	18	0	"
3442	3/19	1443 / 1508	DE VORE	33.9	13.4	1.99	7.40	26.7		.5 .6	18	0	"
3443	3/23	1110 / 1129	DE VORE - KEIM	23.3	13.8	2.02	7.39	27.8		.6	16	0	"
3444	3/26	1619 / 1639	DE VORE	17.9	12.0	2.03	7.33	24.4		.6	16	0	"
3445	3/30	1343 / 1403	"	18.0	13.4	1.89	7.27	25.3		.6	17	0	"
3446	4/2	1513 / 1531	"	16.5	12.6	1.68	7.24	21.2		.6	16	0	"
3447	4/6	1045 / 1102	DE VORE - KEIM	17.7	13.7	1.66	7.25	22.7		.6	16	0	"
3448	4/9	1435 / 1453	DE VORE	17.5	12.8	1.59	7.22	20.4		.6	16	0	"
3449	4/13	1305 / 1325	"	17.7	11.1	1.66	7.18	18.4		.6	17	0	"
3450	4/16	1128 / 1145	"	17.0	12.6	1.62	7.20	20.4		.6	16	0	"
3451	4/20	1351 / 1411	"	16.3	11.8	1.59	7.19	18.8		.6	16	0	"
3452	4/23	1355 / 1412	"	16.1	11.3	1.47	7.16	16.6		.6	16	0	"
3453	4/26	0728 / 0746	"	37.5	22.6	2.40	7.59	54.3		.6	15	-.02	"
3454	4/27	1317 / 1334	DE VORE - KEIM	17.9	13.2	1.97	7.28	26.0		.6	17	0	"
3455	4/30	1322 / 1341	DE VORE	17.6	12.4	1.48	7.17	18.3		.6	17	0	"
3456	5/4	1326 / 1343	DE VORE - KEIM	17.6	14.3	1.72	7.24	24.6		.6	17	0	"
3457	5/7	1430 / 1446	DE VORE - LINDSAY	17.4	13.2	1.55	7.19	20.4		.6	17	0	"
3458	5/11	1103 / 1118	DE VORE - KEIM	18.4	10.6	2.06	7.22	21.9		.6	14	0	"
3459	5/14	1307 / 1325	DE VORE	18.5	10.7	2.09	7.20	22.4		.6	15	0	"
3460	5/18	1056 / 1116	"	18.4	10.5	2.10	7.21	22.1		.6	16	0	"
3461	5/21	1356 / 1413	"	16.6	10.3	2.04	7.19	21.0		.6	16	0	"
3462	5/25	0948 / 1005	DE VORE - KEIM	18.4	10.8	2.07	7.21	22.4		.6	16	0	"
3463	5/28	1308 / 1329	WALTER-DE VORE	17.8	9.34	1.76	7.14	16.4		.6	16	+.01	"
3464	6/1	0934 / 0953	DE VORE	18.5	10.5	2.00	7.18	21.0		.6	16	0	FC22
3465	6/4	1438 / 1457	"	18.4	9.52	1.85	7.15	17.6		.6	16	0	"
3466	6/8	1323 / 1343	"	18.9	9.98	1.80	7.15	18.0		.5 .6	17	0	"
3467	6/11	1352 / 1411	"	18.6	9.58	1.73	7.13	16.6		.6	16	0	"
3468	6/15	1126 / 1143	DE VORE - KEIM	18.7	9.52	1.68	7.12	16.0		.6	16	+.01	"
3469	6/18	1341 / 1359	DE VORE	15.0	7.79	1.86	7.11	14.5		.5 .6	16	0	"
3470	6/22	1125 / 1140	SJOSTEDT	14.8	7.73	1.82	7.10	14.1		.5 .6	11	0	"
3471	6/25	1525 / 1535	"	14.9	7.40	1.77	7.09	13.1		.5 .6	9	0	"
3472	6/29	1336 / 1352	DE VORE - KEIM	15.0	7.29	1.77	7.09	12.9		.6	15	0	"
3473	7/2	1449 / 1509	DE VORE	14.8	6.87	1.62	7.07	11.1		.5 .6	16	0	"
3474	7/6	1304 / 1324	"	15.0	7.30	1.78	7.08	13.0		.5 .6	17	0	"
3475	7/9	1314 / 1333	"	14.8	6.86	1.63	7.06	11.2		.5 .6	16	0	"
3476	7/13	1349 / 1407	"	14.8	6.63	1.60	7.05	10.6		.5 .6	16	0	"
3477	7/16	1400 / 1419	"	14.9	6.67	1.58	7.05	10.5		.5 .6	16	0	"
3478	7/20	1118 / 1136	"	15.0	6.88	1.69	7.06	11.6		.5 .6	16	0	"
3479	7/23	1308 / 1327	"	14.8	6.69	1.64	7.05	11.0		.5 .6	16	0	"
3480	7/27	1326 / 1346	"	14.8	6.32	1.50	7.04	9.5		.5 .6	16	0	"
3481	7/30	1529 / 1546	"	14.7	5.95	1.38	7.03	8.2		.5 .6	15	0	"
3482	8/1	1236 / 1252	DE VORE - KEIM	15.0	7.48	2.01	7.12	15.0		.5 .6	16	0	"
3483	8/3	1327 / 1341	DE VORE	12.6	6.05	1.83	7.11	11.1		.5 .6	14	-.01	"
3484	8/6	1350 / 1406	"	12.8	5.71	1.75	7.09	10.0		.5 .6	14	-.01	"
3485	8/10	1424 / 1438	"	12.8	4.23	1.94	7.12	8.2		.5 .6	14	0	"
3486	8/13	1453 / 1506	"	12.6	5.34	1.72	7.10	9.2		.5	14	0	"
3487	8/17	0926 / 0941	"	12.8	5.84	1.83	7.12	10.7		.5 .6	14	0	"
3488	8/20	1143 / 1157	ROY-DE VORE	12.7	5.76	1.88	7.13	10.8		.5 .6	14	0	"
3489	8/24	1035 / 1051	DE VORE	13.5	5.01	2.20	7.23	11.0		.5 .6	14	+.01	"
3490	8/27	1359 / 1417	"	16.8	4.16	1.92	7.30	8.0		.5	16	0	"
3491	8/31	1027 / 1037	BOWMAN-DE VORE	17.0	4.04	2.05	7.31	8.3		.5	14	0	"
3492	9/3	1250 / 1301	DE VORE - BOWMAN	17.3	4.19	1.91	7.26	8.0		.5	13	0	"
3493	9/8	1338 / 1354	DE VORE	14.5	5.21	1.44	7.19	7.5		.5 .6	15	-.01	"
3494	9/10	1403 / 1419	"	17.0	4.69	1.62	7.14	7.6		.5 .6	15	0	"
3495	9/14	1330 / 1350	BOWMAN	14.3	4.13	2.39	7.31	9.9		.5	17	0	"
3496	9/17	0940 / 0955	"	16.8	4.70	2.26	7.33	10.6		.5	19	0	"
3497	9/21	1145 / 1200	"	17.3	4.66	2.10	7.34	9.8		.5	19	0	"
3498	9/24	1105 / 1120	"	17.2	4.30	2.35	7.29	10.1		.5	19	0	"
3499	9/28	1433 / 1445	DE VORE - KEIM	12.4	4.16	2.82	7.30	11.7		.5 .6	13	0	"

76D74M Gib 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F3-R

Daily discharge, in second-feet of SAN GABRIEL RIVER - WEST FORK above Forks for the year ending September 30, 1958

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	e 9.2	7.5	6.0	b 27	53	154	1130	245	90	57	100	64
2	9.6	8.4	6.0	26	53	148	908	235	90	56	96	64
3	10	17	5.8	25	408	158	2150	229	89	54	96	64
4	10	14	5.8	23	1560	150	1740	219	89	54	98	64
5	10	11	25	21	1010	128	1780	200	89	53	97	64
6	10	9.8	17	19	457	127	1030	189	88	52	97	63
7	e 10	9.1	13	19	363	109	984	186	88	51	105	61
8	10	8.6	11	18	354	103	893	186	88	53	122	60
9	9.8	7.9	11	18	290	91	699	179	89	55	120	60
10	9.8	7.5	10	18	269	90	714	174	89	57	115	61
11	34	7.5	10	b 18	189	108	682	174	88	58	115	64
12	18	7.3	9.8	b 18	127	99	666	174	87	58	124	64
13	14	7.1	9.8	18	103	97	644	170	85	58	96	64
14	15	7.1	9.6	18	79	94	518	163	80	73	50	64
15	13	7.1	697	18	73	441	353	157	77	79	174	58
16	13	7.1	674	18	66	1190	334	152	76	85	174	61
17	13	7.1	433	18	61	430	321	146	76	86	167	60
18	13	7.1	133	17	64	311	305	144	76	86	112	59
19	13	7.1	90	16	468	259	302	138	76	85	64	59
20	14	6.6	84	16	222	458	283	131	75	83	64	58
21	16	6.4	64	16	152	819	265	127	71	90	64	59
22	14	5.4	46	17	136	690	245	124	59	98	64	60
23	14	5.8	39	17	144	276	222	122	57	100	64	64
24	13	6.0	34	17	178	255	204	118	57	100	64	64
25	13	6.2	32	19	294	216	194	114	57	98	63	62
26	13	6.4	105	133	250	197	219	112	55	98	62	62
27	13	6.6	60	72	229	264	258	107	54	98	62	60
28	13	6.4	53	64	203	223	255	106	53	96	62	59
29	9.5	6.2	46	57		202	255	101	53	96	64	59
30	6.8	6.0	43	55		194	248	93	56	94	64	58
31	8.1		36	55		186		94		96	64	
	391.8		2818.8		7855		18850		2257		2883	
		2333		911		8267		4809		2357		1843
MEAN	12.6	7.78	91.0	29.4	280.	267.	628.	155.	75.2	76.0	93.0	61.4
ACRE-FEET	777.	463.	5590.	1810.	15,580.	16,400.	37,390.	9540.	4480.	4680.	5720.	3660.

Remarks:

YEAR OR PERIOD MEAN 145.
ACRE-FEET 104,700.

76D74M C&h 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

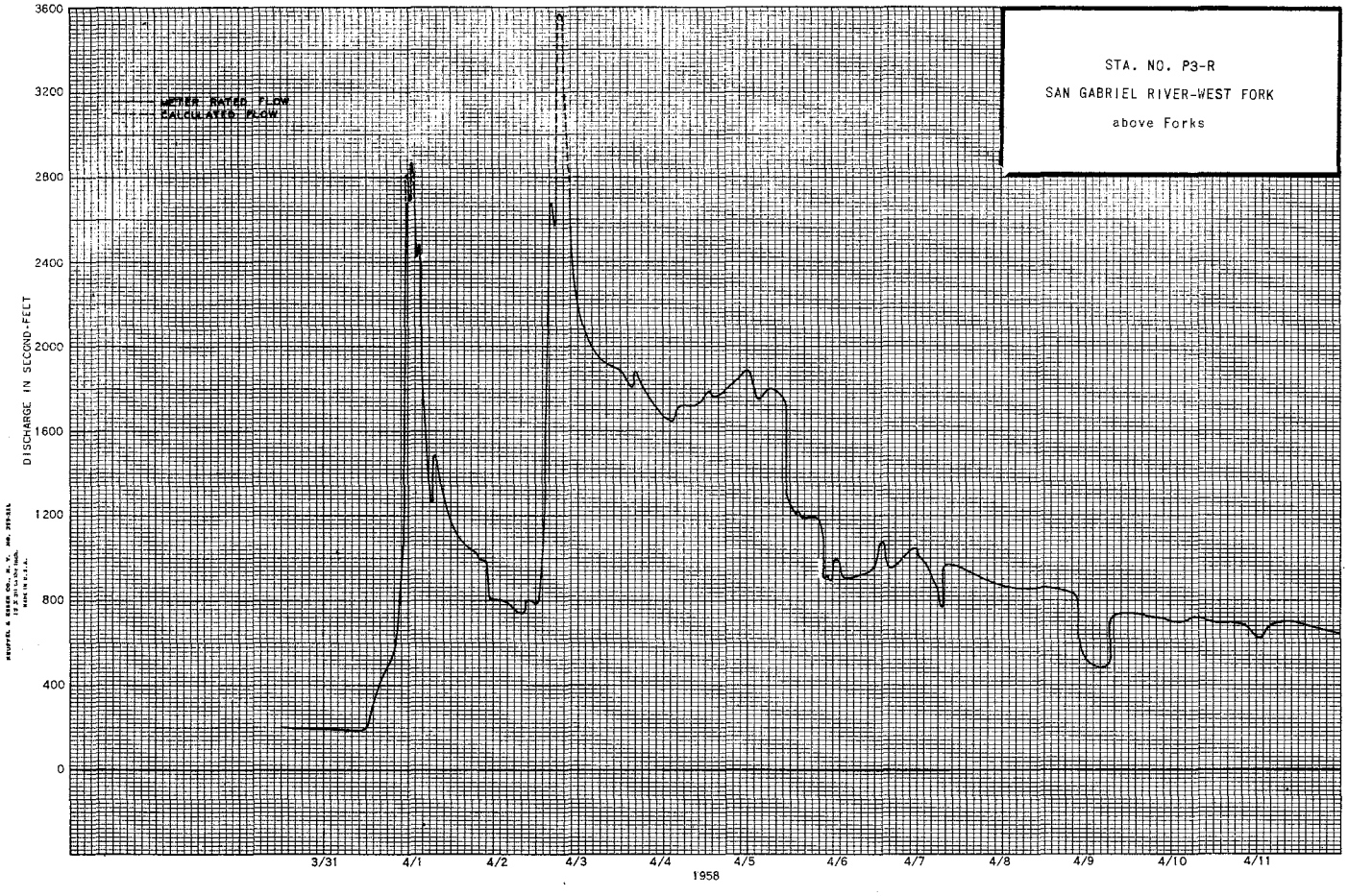
Sta. No. P3-R

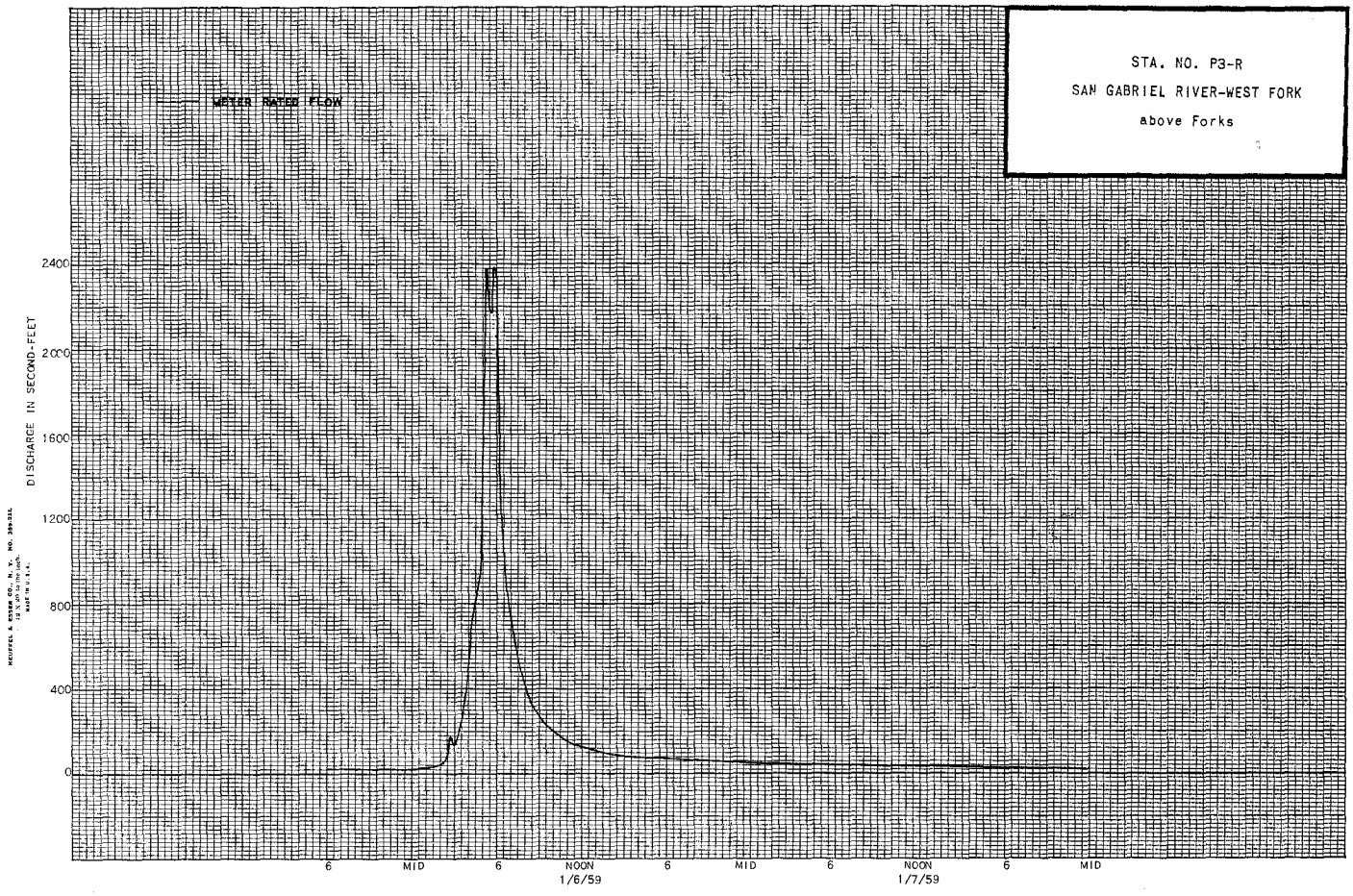
Daily discharge, in second-feet of SAN GABRIEL RIVER - WEST FORK above Forks for the year ending September 30, 19 59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	58	21	17	16	26	95	22	23	20	12	16	7.6
2	58	20	17	16	26	92	21	24	19	11	13	7.6
3	59	19	17	17	26	91	21	25	18	12	11	8.0
4	60	19	17	17	26	78	21	24	17	12	11	7.6
5	61	19	17	17	26	58	22	23	17	12	11	7.6
6	62	18	17	290	26	55	22	22	17	13	9.8	8.0
7	61	19	17	38	27	52	22	20	17	12	9.5	8.0
8	60	19	17	29	47	50	21	20	17	11	9.1	7.6
9	59	19	17	25	33	47	20	21	17	11	8.7	7.2
10	57	19	17	23	33	44	20	21	17	10	8.4	7.2
11	56	19	17	22	398	41	19	20	16	10	8.7	6.5
12	55	19	17	21	141	33	19	21	16	10	9.1	6.9
13	54	18	17	22	79	31	18	21	16	10	9.1	10
14	54	18	17	26	61	31	18	22	16	11	9.5	15
15	45	17	17	21	46	30	18	22	16	11	9.5	8.7
16	36	17	17	31	664	30	20	21	15	11	9.8	9.1
17	36	17	16	29	372	29	20	21	15	10	9.6	11
18	36	17	16	28	225	27	20	21	14	11	9.8	10
19	36	18	16	28	138	27	19	21	14	11	9.8	9.8
20	36	18	16	28	132	26	18	21	14	11	10	9.5
21	36	18	16	28	127	26	18	21	13	11	10	8.7
22	35	18	16	28	109	27	17	21	13	11	10	8.7
23	36	18	17	28	102	28	17	21	13	11	11	9.5
24	36	18	17	28	100	26	17	21	13	10	10	9.5
25	37	17	17	27	98	25	21	22	13	9.8	9.5	9.8
26	37	17	17	27	100	25	44	21	13	9.1	8.7	10
27	33	17	17	27	98	25	25	21	13	9.1	7.6	11
28	24	17	17	27	96	25	21	21	13	9.1	8.0	12
29	21	17	17	27		25	19	21	13	8.7	7.6	12
30	21	17	16	27		25	18	21	12	8.4	7.2	11
31	21		16	27		24		20		8.9	7.6	
	1376	544	519	1045	3382	1248	618	665	457	328.1	299.8	275.1
MEAN	44.3	18.1	16.7	33.7	121.	40.3	20.6	21.4	15.2	10.6	9.67	9.17
ACRE-FEET	2730.	1080.	1030.	2070.	6710.	2480.	1230.	1320.	907.	651.	595.	546.

Remarks:

YEAR OR PERIOD MEAN 29.5
ACRE-FEET 21,350.





STATION P4B-R
SAN GABRIEL RIVER - EAST FORK above Forks

LOCATION: WATER-STAGE RECORDER, LAT. 34°14'09", LONG. 117°48'18", ON THE RIGHT (NORTH) BANK ABOVE THE HIGH WATER LINE OF SAN GABRIEL DAM, 2.5 MILES ABOVE THE WEST FORK AND 8 MILES NORTHEAST OF GLENDORA. ELEVATION OF ZERO GAGE HEIGHT, 1567.04 FEET. FORMER STATION P4-R WAS ABOUT 0.6 MILE DOWNSTREAM.

DRAINAGE: 88.2 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - SAND, GRAVEL AND BOULDERS.
CONTROL - A CONCRETE CONTROL WITH A 20-FOOT LOW FLOW NOTCH WAS CONSTRUCTED IN NOVEMBER 1947. CONTROL HEIGHT INCREASED 2.0 FEET SEPTEMBER 1955.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING; HIGH FLOWS MEASURED FROM CABLE CAR 23 FEET ABOVE GAGE.

RECORDER: AN AU CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1957 TO SEPTEMBER 30, 1959.

REGULATION: NONE.

DIVERSIONS: NONE.

RECORDS AVAILABLE: AT STATION P4-R AND P4B-R, NOVEMBER 30, 1932 TO SEPTEMBER 30, 1959.

EXTREMES OF DISCHARGE:
1957-58
MAXIMUM 2720 SECOND-FEET APRIL 3.
MINIMUM 13 SECOND-FEET OCTOBER 1-6, 8-10.
1958-59
MAXIMUM 947 SECOND-FEET FEBRUARY 16.
MINIMUM 8.0 SECOND-FEET SEPTEMBER 10.
1932-59
MAXIMUM 46,000 SECOND-FEET MARCH 2, 1938 (COMPUTED BY GEOLOGICAL SURVEY.)
MINIMUM 1.5 SECOND-FEET OCTOBER 1, 1934.

ACCURACY: LOW FLOWS - GOOD; HIGH FLOWS - FAIR.

REVISION: THE MAXIMUM DISCHARGE FOR THE WATER-YEAR 1932-33 HAS BEEN REVISED TO 1250 SECOND-FEET ON JANUARY 19, 1933.

OPERATION: MOVED FROM A PREVIOUS LOCATION BY THE DISTRICT FOR THE PASADENA WATER DEPARTMENT. THE STATION WAS LATER TAKEN OVER, RECONSTRUCTED AND OPERATED BY THE DISTRICT IN COOPERATION WITH THE UNITED STATES GEOLOGICAL SURVEY, WATER RESOURCES BRANCHES.

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER - EAST FORK

~~NEAR~~ above Forks DURING THE YEAR ENDING SEPTEMBER 30, 19 56

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
2893	10/3	1546 / 1600	DE VORE - BLAKELY	13.6	10.6	1.30	8.85	13.8		.6	13	0	FC22
2894	10/7	1021 / 1035	DE VORE - KEIM	13.7	10.7	1.39	8.87	14.9		.6	13	0	"
2895	10/10	1517 / 1534	DE VORE	13.5	10.1	1.28	8.82	12.9		.6	14	0	"
2896	10/11	1553 / 1603	DE VORE - KEIM	14.5	12.9	2.14	9.02	27.6		.6	14	+.01	"
2897	10/12	1011 / 1025	" "	14.0	11.7	1.68	8.93	19.6		.6	14	0	"
2898	10/14	1349 / 1405	DE VORE	14.2	12.3	1.84	8.96	22.6		.6	14	0	"
2899	10/17	1551 / 1608	"	14.0	11.5	1.45	8.90	16.7		.6	14	0	"
2900	10/21	1052 / 1108	"	14.8	12.8	1.73	9.00	22.2		.6	14	0	"
2901	10/24	0906 / 0922	"	14.3	12.3	1.50	8.96	18.5		.6	14	0	"
2902	10/28	1050 / 1117	"	14.3	12.2	1.51	8.96	18.4		.6	14	0	"
2903	10/31	1524 / 1543	"	14.7	12.8	1.62	9.00	20.8		.6	15	0	"
2904	11/3	0818 / 0835	DE VORE - KEIM	15.0	14.6	2.63	9.14	38.4		.6	15	0	"
2905	11/4	1106 / 1121	" "	14.7	13.6	2.03	9.06	27.6		.6	15	0	"
2906	11/7	1527 / 1544	DE VORE	14.4	13.0	1.75	9.01	22.7		.6	15	0	"
2907	11/14	1450 / 1508	"	14.3	12.8	1.57	9.01	20.1		.6	15	0	"
2908	11/18	1056 / 1112	DE VORE - KEIM	14.3	13.1	1.54	9.04	20.1		.6	15	0	"
2909	11/21	0857 / 0916	DE VORE	14.2	13.0	1.38	9.03	18.0		.6	15	0	"
2910	11/27	1413 / 1432	BROOK	14.7	13.2	1.27	9.06	16.7		.5 / .6	17	0	FC35
2911	12/2	1330 / 1348	DE VORE	14.9	13.6	1.26	9.06	17.2		.6	15	0	FC22
2912	12/5	1048 / 1107	DE VORE - FAIRCHILD		CHANNELS		9.27	38.3		.6	17	-.01	"
2913	12/9	1104 / 1123	DE VORE	15.4	14.1	1.56	9.10	22.0		.6	15	0	"
2914	12/12	1511 / 1531	"	15.4	13.9	1.48	9.09	20.6		.6	15	0	"
2915	12/15	1125 / 1140	DE VORE - KEIM		CHANNELS		9.34	55.8		.6	20	0	"
2916	12/15	1740 / 1811	" "	77.0	93.2	7.09	10.45	661.		.6	10	0	FC11
2917	12/16	0008 / 0027	" "	83.0	123.	6.63	10.60	820.		.6	11	+.01	"
2918	12/16	1300 / 1318	" "	88.0	93.2	6.10	10.37	569.		.6	12	0	"
2919	12/17	1158 / 1230	" "	112.0	98.5	4.93	10.26	486.		.6 SURF	22	-.02	"
2920	12/18	1600 / 1615	" "	53.2	54.1	4.70	9.70	254.		.6	16	-.01	FC22
2921	12/19	1605 / 1623	" "	52.6	44.5	4.13	9.46	184.		.6	16	-.02	"
2922	12/23	1042 / 1100	DE VORE	43.1	33.4	3.44	9.21	115.		.6	16	0	"
2923	12/26	1517 / 1532	"	41.5	29.6	3.17	9.07	93.9		.6	15	0	"
2924	12/27	1533 / 1555	"		CHANNELS		9.05	82.6		.6	18	0	"
2925	12/30	1115 / 1145	"		"		8.99	66.4		.6	18	+.03	"
2926	1/2	1536 / 1559	"		"		8.95	60.6		.6	19	0	"
2927	1/6	1059 / 1145	KEIM-DE VORE		"		8.87	53.6		.6	17	0	"
2928	1/9	1417 / 1435	DE VORE - KEIM	25.6	20.2	2.55	8.82	51.6		.6	14	0	"
2929	1/13	1054 / 1127	KEIM-DE VORE	24.2	18.2	2.70	8.80	49.1		.6	14	0	"
2930	1/16	1450 / 1515	BROOK	24.8	19.0	2.42	8.76	46.0		.6	13	0	FC35
2931	1/20	1428 / 1456	KEIM-DE VORE	23.6	16.8	2.56	8.73	43.0		.5 / .6	14	0	FC22
2932	1/23	1516 / 1534	DE VORE	24.2	16.7	2.57	8.71	43.0		.6	14	0	"
2933	1/25	2323 / 2331	DE VORE - KEIM	27.0	23.0	3.18	8.98	73.2		.6	10	+.05	"
2934	1/26	0300 / 0312	" "	45.4	46.9	4.61	9.58	216.		.6	12	+.07	"
2935	1/26	0647 / 0711	" "		CHANNELS		10.05	494.		.6 SURF	14	+.06	FC11
2936	1/26	1552 / 1604	" "	44.0	45.5	4.18	9.48	190.		.6	13	-.01	FC22
2937	1/27	1320 / 1344	DE VORE	44.2	32.4	3.28	9.03	106.		.5 / .6	17	-.01	"
2938	1/30	1555 / 1614	DE VORE - TWITTY	45.2	26.8	2.73	8.80	73.3		.5 / .6	16	-.01	"
2939	2/3	0833 / 0845	DE VORE-KEIM	46.0	46.2	4.77	9.48	220.		.6	13	+.15	"
2940	2/3	1100 / 1111	" "	46.4	52.0	5.06	9.70	263.		.6	12	+.01	"
2941	2/4	0819 / 0844	" "	123.0	121.	6.69	10.46	809.		.6	16	+.02	FC11
2942	2/4	1319 / 1339	" "	98.0	172.	7.85	10.79	1350.		.6	13	-.04	"
2943	2/5	1453 / 1511	" "	68.0	74.6	6.35	10.44	474.		.5 / .6	14	-.01	"
2944	2/6	1653 / 1710	" "	73.0	65.9	6.48	10.27	427.		.5 / .6	16	0	"
2945	2/7	1453 / 1510	" "		CHANNELS		9.93	327.		.6	18	+.01	FC22
2946	2/8	1444 / 1502	" "		"		9.81	280		.6	19	0	FC18
2947	2/9	1010 / 1034	" "		"		9.86	261 r		.6	20	+.05	FC22
2948	2/10	1045 / 1111	DE VORE	50.5	47.0	4.83	9.68	227.		.6	15	+.01	"
2949	2/12	1339 / 1407	"	49.5	41.4	4.86	9.98	201.		.6	18	+.02 -.04	"
2950	2/13	1102 / 1129	"	47.7	44.0	4.41	9.98	194.		.6	18	-.02	"

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-INGS	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
2951	2/14	1323 / 1351	DE VORE	49.0	43.6	4.08	9.92	178.		.6	19	0	FC22
2952	2/15	0909 / 0934	"	48.6	42.6	4.13	9.88	176.		.5 / .6	19	0	"
2953	2/16	1455 / 1521	"	48.6	40.1	3.74	9.82	150.		.5 / .6	20	-.02	"
2954	2/17	1329 / 1356	"	48.4	39.3	4.10	9.81	161.		.5 / .6	20	-.01	"
2955	2/18	0900 / 0930	WOOD	45.0	39.0	3.80	9.78	148.		.5 / .6	21	+.01	FC57
2956	2/19	0920 / 0941	DE VORE	49.8	51.2	4.96	10.08	254.		.6	14	+.01	FC22
2957	2/19	1456 / 1519	DE VORE - KEIM		CHANNELS		9.93	516.		.5 / .6	20	+.10 / -.04	FC11
2958	2/20	1628 / 1648	" "	58.0	53.6	4.74	8.80	254.		.6	13	-.01	FC18
2959	2/21	1335 / 1352	DE VORE	37.0	44.9	4.94	9.10	222.		.6	14	0	"
2960	2/22	1107 / 1137	"		CHANNELS		9.25	217.		.5 / .6	18	+.03	"
2961	2/23	1031 / 1053	"	48.0	42.2	5.33	9.24	225.		.6	19	+.01	"
2962	2/24	1551 / 1607	DE VORE - KEIM	49.4	45.7	4.73	9.37	216.		.6	18	0	"
2963	2/25	0843 / 0910	" "		CHANNELS		9.60	348.		.6	22	+.02	FC11
2964	2/25	1540 / 1555	" "		"		9.56	271.		.6	16	+.02	FC18
2965	2/26	1355 / 1415	DE VORE	50.0	45.9	4.92	9.82	226.		.6	16	0	"
2966	2/27	1506 / 1524	"	49.4	48.3	4.62	9.86	223.		.6	16	+.02	FC22
2967	2/28	1356 / 1420	"	49.3	42.8	4.67	9.84	200.		.6	17	-.03	"
2968	3/1	0954 / 1015	"	49.0	43.8	4.73	9.78	207.		.5 / .6	19	-.01	"
2969	3/2	1434 / 1455	"	49.0	41.7	4.34	9.76	181.		.5 / .6	19	0	"
2970	3/3	1010 / 1029	DE VORE - KEIM	48.6	42.3	4.44	9.65	188.		.6	19	0	"
2971	3/4	0915 / 0947	WOOD	47.0	41.8	4.38	9.62	183.		.5 / .6	22	-.01	FC57
2972	3/5	1439 / 1503	DE VORE	47.8	43.6	3.78	9.56	165.		.5 / .6	20	0	FC22
2973	3/6	1134 / 1148	DE VORE - KEIM	49.2	47.6	4.22	9.65	201.		.6	16	-.02 / +.02	"
2974	3/7	1348 / 1410	DE VORE	47.6	41.6	4.18	9.55	174.		.6	18	0	"
2975	3/8	0950 / 1013	"	48.0	39.3	4.35	9.54	171.		.5 / .6	19	+.02	"
2976	3/9	1049 / 1113	"	48.0	39.4	3.96	9.50	156.		.5 / .6	19	0	"
2977	3/10	1342 / 1405	"	48.0	38.9	3.93	9.49	153.		.5 / .6	21	0	"
2978	3/11	0918 / 0958	WOOD	43.5	39.4	4.05	9.50	159.		.5 / .6	25	-.01	FC57
2979	3/12	1035 / 1058	DE VORE		CHANNELS		9.46	157.		.5 / .6	23	0	FC22
2980	3/13	1437 / 1505	"		"		9.44	154.		.6	23	0	"
2981	3/14	1345 / 1409	"		"		9.44	150.		.5 / .6	23	0	"
2982	3/15	1153 / 1210	DE VORE - KEIM	47.3	42.5	3.86	9.52	164.		.5 / .6	20	+.02	"
2983	3/15	1601 / 1616	" "	47.3	44.9	4.07	9.58	183.		.5 / .6	18	0	"
2984	3/15	2227 / 2241	" "	49.0	53.4	5.04	9.76	269.		.5 / .6	12	.05	"
2985	3/16	0330 / 0421	" "	123.0	143.	6.16	10.85	882.		.5 / .6	15	+.20	FC11
2986	3/16	0857 / 0919	" "	93.0	141.	7.01	10.72	989.		.6	19	-.02	"
2987	3/16	1614 / 1632	" "	86.0	114.	6.24	10.48	712.		.5 / .6	18	0	"
2988	3/17	1329 / 1349	" "	86.0	97.7	6.26	10.34	611.		.5 / .6	18	-.02	"
2989	3/18	1057 / 1126	" "	88.0	91.1	5.27	10.18	480.		.6	19	+.03 / -.03	FC22
2990	3/19	1000 / 1040	" "		CHANNELS		10.28	381.		.5 / .6	24	-.02 / +.01	"
2991	3/20	1746 / 1820	" "		"		10.05	433.		.5 / .6	24	+.02	"
2992	3/21	0652 / 0730	" "		"		10.02	533.		.5 / .6	24	-.03	FC11 FC22
2993	3/22	0332 / 0408	" "		"		10.01	720.		.6	23	-.06	FC11
2994	3/22	1531 / 1609	" "	131.0	98.5	4.87	10.02	479.		.5 / .6	25	-.02	FC22
2995	3/23	1008 / 1052	" "		CHANNELS		9.93	485.		.5 / .6	26	+.02 / -.02	FC11 FC22
2996	3/24	1320 / 1355	" "		"		9.89	457.		.5 / .6	21	0	"
2997	3/25	0935 / 1010	" "		"		9.98	510.		.5 / .6	20	+.10	"
2998	3/26	0946 / 1017	" "		"		9.98	396.		.5 / .6	18	+.03	"
2999	3/27	1420 / 1458	" "		"		10.01	528.		.5 / .6	20	-.04	"
3000	3/28	1329 / 1349	" "	17.5	47.3	7.47	9.87	353.		.6	8	+.05	FC11
3001	3/29	1040 / 1053	" "	17.0	43.0	7.96	9.74	342.		.6	8	-.02	"
3002	3/30	1040 / 1120	" "		CHANNELS		9.72	290.		.6	23	-.01	FC22
3003	3/31	1115 / 1145	" "		"		9.66	282.		.5 / .6	23	0	"
3004	4/1	0757 / 0809	" "	19.5	56.4	8.45	10.18	476.		.6	9	-.04	FC11
3005	4/1	1027 / 1055	" "		CHANNELS		10.15	636.		.5 / .6	22	+.08	"
3006	4/1	1413 / 1433	" "		"		10.62	1190.		.5 / .6	20	+.10 / -.05	"
3007	4/1	1723 / 1738	" "		"		10.64	1170.		.5 / .6	15	-.01	"
3008	4/2	1112 / 1124	" "	44.0	88.4	8.12	10.00	718.		.6	11	-.01	"
3009	4/3	0848 / 0906	" "	128.0	243.	9.89	11.22	2400.		.5 / .6	15	+.01	"
3010	4/3	1440 / 1501	" "		CHANNELS		10.85	1680.		.5 / .6	14	-.02	"
3011	4/4	1310 / 1325	" "	63.0	134.	7.69	10.30	1030.		.6	14	-.06 / +.05	"
3012	4/5	1403 / 1417	DE VORE - KEIM	62.0	112.	6.80	9.92	762.		.6	14	-.01	FC22
3013	4/6	1138 / 1152	" "	61.0	96.0	7.07	9.73	679.		.6	14	+.03	"
3014	4/7	1035 / 1049	" "	62.0	101.	6.58	9.82	664.		.6	14	-.01	"
3015	4/8	1315 / 1328	" "	60.0	89.0	6.62	9.57	589.		.6	14	+.02	"
3016	4/9	1440 / 1456	" "	60.0	79.8	6.52	9.50	520.		.6	14	0	"
3017	4/10	1457 / 1511	" "	60.0	78.7	6.36	9.46	500.		.6	14	0	"
3018	4/11	1348 / 1404	" "	60.0	80.1	6.37	9.41	510.		.5 / .6	14	.01	"
3019	4/12	1007 / 1045	BROOK	61.0	80.6	6.70	9.45	540.		.6	19	+.03	FC35
3020	4/13	0730 / 0805	"	61.0	82.1	6.82	9.47	560.		.5 / .6	18	+.02 / -.04	"
3021	4/14	1339 / 1413	DE VORE - KEIM	61.0	87.7	5.74	9.48	504.		.6	14	-.01	FC22 FC11
3022	4/15	1545 / 1559	" "	60.0	84.2	6.18	9.43	520.		.6	14	+.03	FC11
3023	4/17	1614 / 1634	DE VORE	60.0	88.1	6.06	9.47	534.		.6	14	+.01	"
3024	4/18	1357 / 1423	"	60.0	96.0	6.27	9.52	602.		.6	14	+.03	"
3025	4/20	1025 / 1046	"	61.0	97.1	6.08	9.58	590.		.6	15	0	"
3026	4/21	1305 / 1321	DE VORE - KEIM	61.0	91.3	6.32	9.57	577.		.6	15	0	"
3027	4/22	1519 / 1538	DE VORE	61.0	92.2	5.78	9.56	533.		.6	15	+.01	"
3028	4/24	1552 / 1621	MC BRIDE - DE VORE	61.5	100.	4.11	9.44	411.		.6	19	+.02	FC22
3029	4/25	1500 / 1519	DE VORE - KEIM	60.0	85.9	5.12	9.41	439.		.6	15	-.01	FC11
3030	4/28	1418 / 1438	" "	63.0	85.8	4.67	9.32	400.		.6	16	0	FC22
3031	5/1	1647 / 1708	DE VORE	62.0	83.5	3.95	9.24	330.		.6	15	+.01	"
3032	5/5	1525 / 1551	"		CHANNELS		9.18	307.		.6	20	0	"
3033	5/8	1602 / 1627	"		"		9.14	294.		.6	20	0	"
3034	5/12	1531 / 1554	"		"		9.05	252.		.6	20	0	"
3035	5/15	1533 / 1555	"	44.1	58.1	3.76	9.02	219.		.6	16	0	"
3036	5/19	0931 / 0957	WOOD - DE VORE	43.0	57.7	4.07	9.04	235.		.5 / .6	18	0	FC57
3037	5/22	1533 / 1555	DE VORE	41.8	52.3	3.60	9.00	188.		.6	17	0	FC22
3038	5/26	1454 / 1515	"	41.2	51.5	3.56	8.95	184.		.6	16	0	"
3039	5/29	1721 / 1739	"	41.2	48.9	3.38	8.92	165.		.6	16	0	"
3040	6/2	1336 / 1402	"	41.0	49.2	3.25	8.90	160.		.6	19	0	"
3041	6/5	1542 / 1605	"	40.8	46.0	3.06	8.85	141.		.6	16	0	"
3042	6/9	1513 / 1534	"	40.6	43.9	2.98	8.83	131.		.6	16	0	FC18
3043	6/12	1625 / 1648	"	40.4	43.1	2.95	8.81	127.		.6	17	0	"
3044	6/16	1524 / 1552	"	40.5	42.6	2.86	8.78	122.		.6	20	0	"
3045	6/19	1555 / 1623	"	40.4	41.9	2.74	8.78	115.		.6	20	-.01	FC22
3046	6/23	1457 / 1524	"	40.2	38.8	2.60	8.76	98.4		.6	20	0	"
3047	6/26	1437 / 1505	"	40.0	39.3	2.60	8.73	102.		.6	20	0	"
3048	6/30	1414 / 1436	DE VORE - SJOSTEDT	40.3	37.8	2.50	8.72	94.5		.6	20	-.01	"
3049	7/3	1635 / 1705	DE VORE	40.0	37.5	2.30	8.68	86.3		.6	22	-.01	"
3050	7/7	1051 / 1114	DE VORE - KEIM	40.4	37.1	2.42	8.68	89.8		.6	21	0	"
3051	7/10	1455 / 1516	OE VORE	32.9	36.1	1.91	8.60	69.1		.6	18	0	"
3052	7/14	1445 / 1505	SJOSTEDT	30.0	31.1	2.28	8.56	70.7		.6	16	0	"
3053	7/14	1700 / 1720	"	32.0	35.1	1.74	8.55	60.9		.6	17	0	"
3054	7/17	1635 / 1700	"	32.0	34.7	1.81	8.53	62.8		.6	17	0	"
3055	7/21	1500 / 1520	"	31.0	32.6	1.82	8.50	59.1		.6	16	0	"
3056	7/24	1605 / 1625	"	31.0	31.7	1.73	8.47	54.9		.6	16	0	"
3057	7/28	1300 / 1320	"	31.0	32.2	1.83	8.46	58.8		.6	16	0	"
3058	8/1	0925 / 0950	"	30.0	29.8	1.80	8.43	53.5		.6	16	0	"
3059	8/4	1055 / 1115	"	31.0	30.3	1.71	8.40	51.9		.6	16	0	"
3060	8/7	1035 / 1055	"	31.0	30.7	1.63	8.39	49.9		.6	16	0	"
3061	8/12	1138 / 1159	DE VORE	31.2	30.1	1.49	8.26	44.9		.6	17	0	"
3062	8/14	1026 / 1044	"	31.2	29.0	1.55	8.25	45.0		.6	17	0	"
3063	8/18	1535 / 1551	DE VORE - KEIM	31.1	28.5	1.53	8.24	43.7		.6	17	0	"
3064	8/21	1510 / 1528	DE VORE	31.2	27.9	1.42	8.22	39.7		.6	17	0	"
3065	8/25	1358 / 1411	DE VORE - KEIM	23.3	23.4	1.64	8.18	38.5		.6	13	-.01	"
3066	8/28	1507 / 1526	DE VORE	23.3	22.8	1.66	8.14	38.0		.6	16	0	"
3067	9/4	1515 / 1534	"	23.3	21.5	1.57	8.11	33.8		.6	16	0	"
3068	9/8	1331 / 1349	DE VORE - KEIM	23.3	21.8	1.68	8.12	36.6		.6	17	0	"
3069	9/11	1518 / 1539	DE VORE	23.2	21.2	1.49	8.13	31.6		.6	17	0	FC18
3070	9/15	1354 / 1413	DE VORE - KEIM	23.1	20.8	1.47	8.11	30.5		.6	17	0	"
3071	9/18	1430 / 1450	DE VORE	23.2	20.5	1.45	8.10	29.7		.6	17	-.01	"
3072	9/25	1512 / 1533	"	23.4	21.0	1.41	8.12	29.6		.6	17	0	FC22

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER - EAST FORK

AT OR NEAR above Forks DURING THE YEAR ENDING SEPTEMBER 30, 19 59

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATINGS	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
3073	10/2	1432 / 1453	DE VORE	23.2	20.0	1.30	8.10	26.1		.6	17	0	FC22
3074	10/6	1112 / 1131	DE VORE - KEIM	23.3	20.5	1.35	8.11	27.7		.6	17	0	"
3075	10/8	1557 / 1619	DE VORE	23.3	20.1	1.31	8.10	26.4		.6	17	0	"
3076	10/13	1215 / 1300	KEIM	23.1	19.8	1.23	8.02	24.3		.6	17	0	FC18
3077	10/16	1415 / 1433	DE VORE - PETERSEN	23.5	19.0	1.17	8.00	22.3		.6	17	0	FC22
3078	10/20	1010 / 1031	DE VORE	22.5	19.2	1.24	7.99	23.8		.6	17	+.01	"
3079	10/23	0935 / 0956	"	23.5	19.0	1.15	7.97	21.8		.6	17	+.01	"
3080	10/27	1330 / 1350	"	23.5	19.8	1.26	8.02	25.0		.6	17	0	"
3081	10/30	1420 / 1441	"	23.4	19.4	1.16	7.99	22.5		.6	17	0	"
3082	11/3	1504 / 1522	DE VORE - KEIM	23.5	19.0	1.14	7.97	21.6		.6	17	0	"
3083	11/6	1412 / 1434	DE VORE	23.5	19.1	1.10	7.97	21.0		.6	17	0	"
3084	11/10	1110 / 1127	DE VORE - KEIM	23.3	19.6	1.15	7.97	22.5		.6	17	0	"
3085	11/13	1520 / 1544	DE VORE	23.0	20.7	1.14	8.01	23.7		.6	18	0	"
3086	11/17	1403 / 1421	DE VORE - KEIM	22.9	21.1	1.13	8.00	23.8		.6	18	0	"
3087	11/20	1403 / 1425	DE VORE	22.9	20.9	1.12	8.00	23.4		.6	17	0	"
3088	11/24	1107 / 1134	KEIM - DE VORE	21.1	19.8	1.17	7.99	23.1		.6	16	0	"
3089	11/26	1453 / 1514	DE VORE	22.8	20.2	1.14	7.98	23.0		.6	17	0	"
3090	12/1	1106 / 1123	"	21.7	20.0	1.12	7.98	22.5		.6	16	0	"
3091	12/4	1422 / 1442	"	21.6	19.8	1.08	7.95	21.4		.6	17	0	"
3092	12/8	1328 / 1345	DE VORE - KEIM	21.4	19.5	1.07	7.94	20.8		.6	16	0	"
3093	12/11	1445 / 1506	DE VORE	21.4	19.6	1.09	7.94	21.4		.6	17	0	FC20
3094	12/15	1034 / 1055	"	21.4	19.7	1.08	7.94	21.2		.6	17	0	FC22
3095	12/18	1356 / 1415	"	21.4	19.5	1.08	7.94	21.1		.6	16	0	"
3096	12/22	1048 / 1109	"	21.4	19.4	1.06	7.94	20.5		.6	17	0	"
3097	12/26	1525 / 1545	"	21.1	19.2	1.11	7.96	21.3		.6	17	0	"
3098	12/29	1045 / 1103	DE VORE - KEIM	21.1	19.1	1.07	7.96	20.5		.6	17	0	"
3099	12/31	1355 / 1415	DE VORE	21.3	19.4	1.07	7.96	20.6		.6	17	0	"
3100	1/5	1353 / 1410	DE VORE - KEIM	21.3	19.6	1.06	7.96	20.8		.6	17	0	"
3101	1/6	0408 / 0419	" "	23.4	25.8	1.79	8.37	46.2		.6	13	+.03	"
3102	1/6	0825 / 0836	" "	33.0	35.7	2.69	8.76	96.2		.6	14	-.03	"
3103	1/8	1603 / 1619	DE VORE	22.5	20.7	1.26	8.04	26.1		.6	14	0	"
3104	1/12	1314 / 1331	DE VORE - KEIM	22.2	20.0	1.10	8.01	22.1		.6	17	0	"
3105	1/15	1555 / 1612	DE VORE - WALTER	22.1	19.9	1.08	8.00	21.6		.6	17	0	"
3106	1/19	1451 / 1508	DE VORE - KEIM	22.2	19.7	1.09	7.99	21.4		.6	17	0	"
3107	1/22	1445 / 1505	BOWMAN	21.7	19.3	1.10	7.99	21.3		.6	15	0	FC6
3108	1/26	1000 / 1017	DE VORE - KEIM	22.1	19.2	1.04	7.98	20.0		.6	17	0	FC22
3109	1/29	1518 / 1539	DE VORE	22.0	19.1	1.05	7.98	20.0		.6	17	0	"
3110	2/2	1054 / 1109	DE VORE - KEIM	21.6	19.3	0.98	7.97	19.0		.6	16	0	"
3111	2/5	1545 / 1605	DE VORE	21.7	19.5	1.06	7.97	20.6		.6	16	0	"
3112	2/8	1130 / 1145	DE VORE - KEIM	22.8	23.5	1.42	8.17	33.3		.6	13	0	"
3113	2/9	1113 / 1133	DE VORE	22.0	21.2	1.24	8.04	26.2		.6	16	0	"
3114	2/11	0300 / 0310	DE VORE - KEIM	32.0	29.6	1.96	8.49	58.1		.6	12	+.05	"
3115	2/11	0713 / 0733	" "	CHANNELS			9.06	302.		.6	17	-.02	"
3116	2/11	1605 / 1618	" "	33.6	32.6	3.53	8.81	115.		.6	16	-.01	"
3117	2/12	1631 / 1641	" "	27.0	24.8	2.55	8.54	63.2		.6	14	0	"
3118	2/16	0917 / 0928	" "	27.0	25.6	2.82	8.58	72.3		.6	14	+.01	"
3119	2/16	1514 / 1537	" "	68.0	131.	6.03	9.98	790.		.6	13	+.28 -.06	FC11
3120	2/16	2123 / 2143	" "	67.0	110.	6.14	10.09	675.		.6	15	-.06	"
3121	2/17	1708 / 1721	" "	57.0	49.4	4.15	8.98	205.		.6	16	+.01	FC22
3122	2/18	1552 / 1605	" "	44.8	37.0	3.46	8.63	128.		.6	15	0	"
3123	2/19	1308 / 1322	" "	45.2	34.8	3.16	8.50	110.		.5 .6	16	0	"
3124	2/21	1525 / 1539	" "	45.1	33.1	2.88	8.49	95.1		.5 .6	16	0	"
3125	2/24	1409 / 1434	DE VORE	CHANNELS			8.26	74.0		.5 .6	19	0	"
3126	2/26	1521 / 1541	"		"		8.26	61.6		.6	20	0	"
3127	3/2	1450 / 1510	DE VORE - KEIM		"		8.33	75.8		.5 .6	18	0	"
3128	3/5	1355 / 1415	DE VORE		"		8.35	78.8		.6	20	0	"
3129	3/9	1335 / 1357	DE VORE - KEIM		"		8.28	68.6		.6	19	0	"
3130	3/12	1523 / 1547	DE VORE		"		8.22	67.1		.5 .6	20	0	"
3131	3/16	0950 / 1007	DE VORE - KEIM	23.8	19.9	3.02	8.19	60.0		.6	15	0	FC22
3132	3/19	1353 / 1412	DE VORE	23.3	19.0	2.90	8.16	55.0		.6	16	0	"
3133	3/23	0959 / 1015	DE VORE - KEIM	23.4	19.2	2.73	8.16	52.5		.6	16	0	"
3134	3/26	1331 / 1350	DE VORE	23.2	18.5	2.62	8.11	48.5		.6	16	0	"
3135	3/30	1038 / 1055	DE VORE - KEIM	23.2	17.9	2.64	8.11	47.4		.6	16	0	"
3136	4/2	1358 / 1420	DE VORE	23.6	19.5	2.26	8.09	44.1		.6	17	0	"
3137	4/6	0936 / 0952	DE VORE - KEIM	23.5	19.4	2.49	8.12	48.3		.6	16	0	"
3138	4/9	1535 / 1557	DE VORE	23.4	18.7	2.30	8.06	43.0		.6	17	0	"
3139	4/13	1028 / 1049	"	23.5	18.8	2.28	8.08	42.8		.6	17	0	"
3140	4/16	1420 / 1440	"	23.4	18.3	2.15	8.05	39.4		.6	17	0	"
3141	4/20	0959 / 1020	"	23.4	18.6	2.17	8.07	40.3		.6	17	0	"
3142	4/23	1522 / 1542	"	23.0	17.1	1.98	8.01	33.9		.6	16	0	"
3143	4/26	0823 / 0846	"	24.2	25.0	3.22	8.45	80.8		.6	17	-.02	"
3144	4/27	1017 / 1035	DE VORE - KEIM	23.7	20.9	2.55	8.21	53.4		.6	17	0	"
3145	4/30	1630 / 1651	DE VORE	23.0	16.9	2.24	8.04	37.9		.6	17	0	"
3146	5/4	1457 / 1512	DE VORE - KEIM	20.2	15.8	2.32	8.03	36.7		.6	15	0	"
3147	5/7	1556 / 1615	DE VORE	20.3	15.0	2.13	7.98	32.0		.6	16	0	"
3148	5/11	1340 / 1358	DE VORE - KEIM	20.3	14.1	2.00	7.98	28.2		.6	15	0	"
3149	5/14	1609 / 1629	DE VORE	20.2	14.5	2.08	7.95	30.2		.6	16	0	"
3150	5/18	0948 / 1004	DE VORE - KEIM	20.2	14.6	2.16	7.97	31.6		.6	16	0	"
3151	5/21	1503 / 1522	DE VORE	20.0	13.8	1.94	7.94	26.8		.6	16	0	"
3152	5/25	1107 / 1126	"	20.3	14.5	2.10	7.95	30.5		.6	16	0	"
3153	5/28	1546 / 1602	WALTER - DE VORE	17.8	12.2	2.30	7.92	28.1		.6	13	0	"
3154	6/1	1051 / 1111	DE VORE	17.6	11.8	2.31	7.91	27.2		.6	16	0	"
3155	6/4	1545 / 1605	"	17.7	11.4	2.04	7.88	23.3		.6	16	0	"
3156	6/8	1054 / 1112	DE VORE - KEIM	17.6	11.4	2.09	7.88	23.8		.6	16	0	"
3157	6/11	1538 / 1557	DE VORE	17.6	10.6	1.94	7.84	20.5		.6	16	0	"
3158	6/15	0937 / 0953	DE VORE - KEIM	17.6	10.5	1.96	7.85	20.6		.6	16	0	"
3159	6/18	1500 / 1518	DE VORE	15.8	11.3	1.52	7.82	17.2		.6	15	0	"
3160	6/22	1240 / 1255	SJOSTEDT	16.0	11.5	1.62	7.82	18.6		.5	12	0	"
3161	6/25	1605 / 1620	"	15.5	10.9	1.50	7.82	16.4		.6	10	0	"
3162	6/29	1108 / 1125	DE VORE - KEIM	16.0	11.3	1.61	7.84	18.2		.6	17	0	"
3163	7/2	1602 / 1624	DE VORE	15.7	10.4	1.43	7.82	14.9		.6	17	0	"
3164	7/6	1429 / 1446	DE VORE - KEIM	16.0	10.4	1.39	7.80	14.5		.5 .6	17	0	"
3165	7/9	1613 / 1635	DE VORE	15.9	10.0	1.27	7.76	12.7		.5 .6	17	0	"
3166	7/13	1110 / 1126	DE VORE - KEIM	16.2	10.7	1.31	7.79	14.0		.5 .6	16	0	"
3167	7/16	1507 / 1531	DE VORE	16.1	10.2	1.24	7.75	12.6		.5 .6	17	-.01	"
3168	7/20	1010 / 1030	DE VORE - KEIM	16.2	10.5	1.32	7.78	13.9		.6	17	0	"
3169	7/23	1558 / 1618	DE VORE	15.3	10.2	1.16	7.75	11.8		.6	16	0	"
3170	7/27	1047 / 1103	"	15.2	10.3	1.20	7.75	12.4		.6	16	0	"
3171	7/30	1613 / 1631	"	13.6	9.05	1.20	7.73	10.9		.6	15	-.01	"
3172	8/3	1451 / 1512	"	14.3	9.26	1.28	7.74	11.9		.6	15	0	"
3173	8/6	1645 / 1703	"	14.1	8.74	1.17	7.72	10.2		.6	15	-.01	"
3174	8/10	1533 / 1551	"	14.2	8.97	1.15	7.70	10.3		.5 .6	15	0	"
3175	8/13	1358 / 1415	"	14.2	8.99	1.20	7.72	10.8		.5 .6	15	0	"
3176	8/17	1100 / 1119	"	14.3	9.56	1.21	7.74	11.6		.6	15	0	"
3177	8/20	1532 / 1548	ROY - DE VORE	14.5	10.0	1.17	7.74	11.7		.6	16	0	"
3178	8/24	1140 / 1158	DE VORE	14.6	9.63	1.20	7.74	11.6		.5 .6	15	0	"
3179	8/27	1515 / 1534	"	14.8	9.35	1.13	7.71	10.6		.6	15	-.01	"
3180	8/31	1140 / 1200	BOWMAN - DE VORE	14.5	9.09	1.10	7.71	10.0		.5 .6	16	0	"
3181	9/3	1522 / 1538	DE VORE - BOWMAN	14.8	9.00	1.02	7.69	9.2		.5 .6	15	0	"
3182	9/8	1037 / 1055	DE VORE	15.1	9.34	1.05	7.70	9.8		.5 .6	15	0	"
3183	9/10	1903 / 1922	"	14.8	8.83	0.86	7.65	7.6		.5 .6	15	0	"
3184	9/14	1100 / 1147	BOWMAN	24.0	13.7	2.10	8.02	28.8		.5 .6	26	-.01	"
3185	9/17	1440 / 1505	"	19.0	13.9	1.27	7.86	17.7		.5 .6	20	0	"
3186	9/21	1025 / 1045	"	18.0	13.1	1.19	7.82	15.6		.5 .6	19	0	"
3187	9/24	0952 / 1017	"	15.6	11.3	1.32	7.80	14.9		.5 .6	18	0	"
3188	9/28	1047 / 1106	DE VORE	15.9	10.7	1.27	7.79	13.6		.6	16	0	"

76D74M Gib 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. PUB-R

Daily discharge, in second-feet of SAN GABRIEL RIVER - EAST FORK above Forks, for the year ending September 30, 19 56

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	13	20	17	62	66	213	756	340	162	94	51	34
2	13	23	17	59	66	197	735	340	157	90	50	34
3	13	37	16	59	194	194	1530	333	153	90	50	34
4	13	28	17	55	820	176	1010	319	153	90	50	34
5	13	26	37	54	583	168	812	319	149	90	49	34
6	13	25	29	53	422	182	641	319	142	90	48	34
7	14	23	26	53	329	176	619	313	138	86	48	36
8	13	23	23	53	290	171	577	306	134	80	46	36
9	13	22	22	53	270	159	542	306	134	78	43	34
10	13	21	22	52	239	157	507	300	130	72	43	33
11	22	20	21	52	220	159	524	293	130	71	42	32
12	20	20	20	50	204	159	568	260	130	70	42	31
13	19	a 20	20	49	194	157	559	244	123	70	42	31
14	23	a 20	20	48	179	151	533	228	119	70	45	31
15	20	20	302	47	176	182	533	222	119	70	51	31
16	18	20	602	46	159	772	568	222	123	68	49	30
17	16	20	507	46	157	626	559	222	119	66	47	30
18	16	20	276	44	154	483	595	228	123	65	45	30
19	16	20	197	43	245	375	595	228	123	62	44	29
20	18	20	159	43	228	413	604	217	116	61	41	30
21	21	19	133	43	228	318	604	196	108	60	39	29
22	19	18	121	43	224	503	568	186	105	60	39	29
23	19	17	116	43	217	510	498	186	102	59	39	31
24	18	16	107	42	220	464	442	186	105	56	38	32
25	17	16	98	46	220	464	442	186	105	57	38	30
26	18	16	94	262	208	430	426	186	105	57	37	29
27	17	16	85	108	213	503	419	186	105	57	37	28
28	18	16	79	86	210	374	419	177	100	57	38	28
29	18	16	72	77		344	389	172	97	56	38	29
30	18	17	68	72		296	368	167	102	54	37	28
31	21		65	69		280		167		53	35	
	523		3388		6935		17992		3711		1341	
		615		1912		9756		7534		2159		941
MEAN	16.9	20.5	109.	61.7	248.	315.	600.	244.	124.	69.6	43.3	31.4
ACRE-FEET	1040.	1220.	6720.	3790.	13,750.	19,350.	35,690.	14,980.	7360.	4280.	2660.	1870.

Remarks:

YEAR OR PERIOD MEAN 156.
ACRE-FEET 112,700.

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

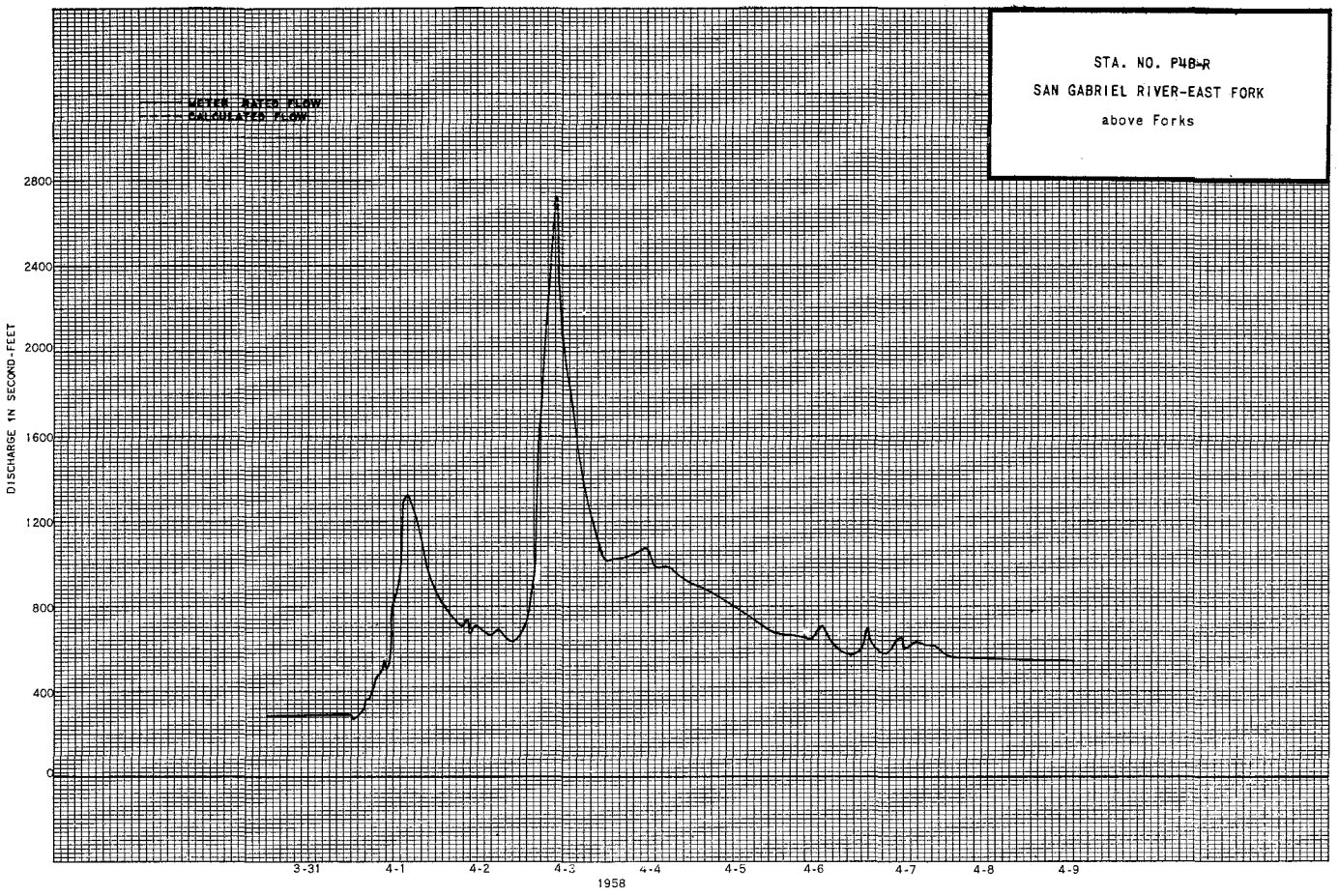
Sta. No. PUB-R

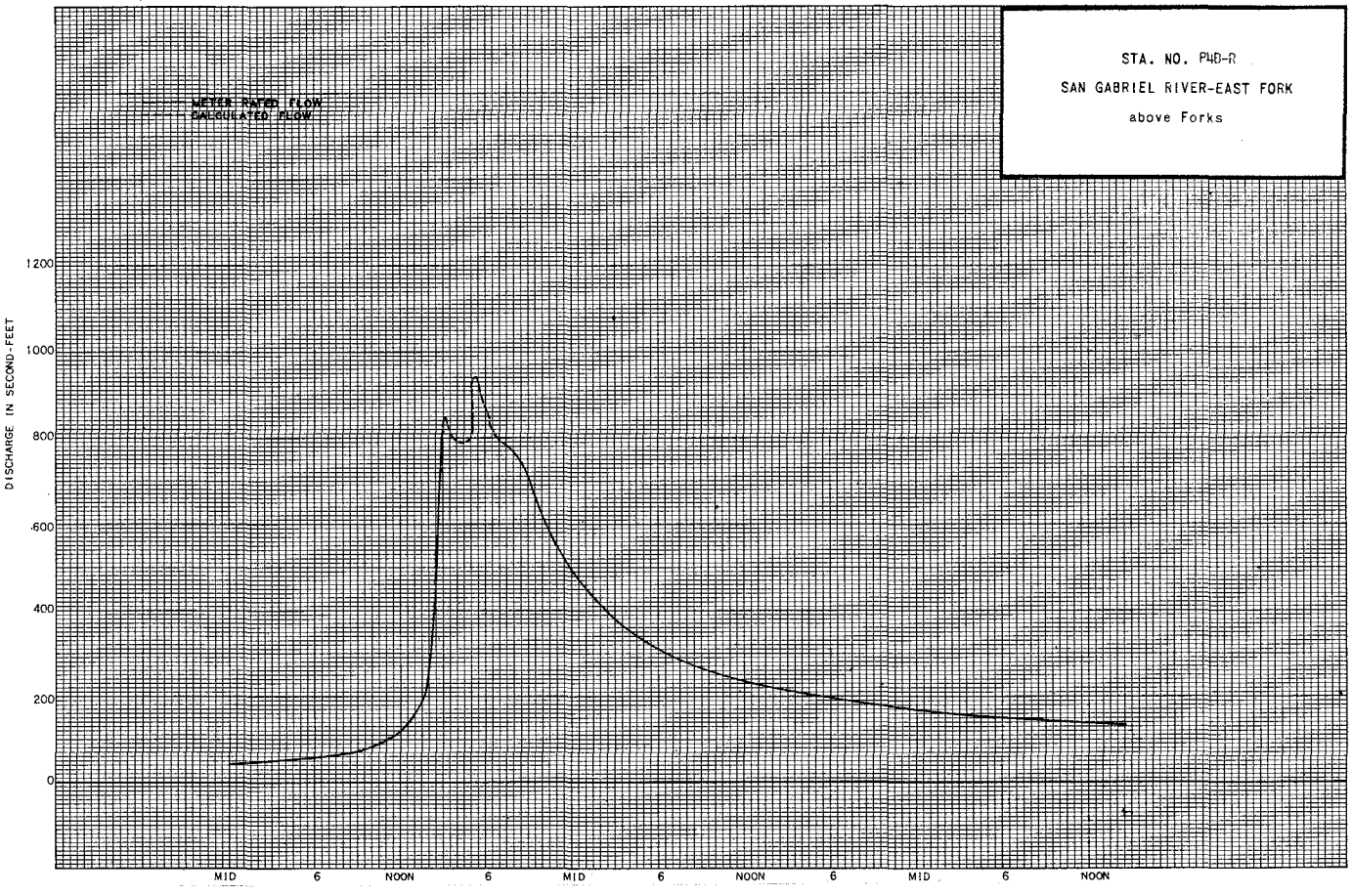
Daily discharge, in second-feet of SAN GABRIEL RIVER - EAST FORK above Forks, for the year ending September 30, 19 59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	27	A 22	22	20	19	73	42	40	27	15	12	8.4
2	26	A 22	21	20	19	77	44	40	25	14	12	8.4
3	26	A 22	21	21	19	30	48	39	25	15	12	8.9
4	26	21	21	21	30	30	49	38	24	15	12	9.5
5	26	21	21	21	20	30	49	36	23	15	12	9.3
6	23	21	21	54	20	77	49	35	23	15	11	9.3
7	27	21	21	29	21	72	48	33	23	14	10	8.9
8	26	21	21	27	29	69	48	32	23	14	10	8.9
9	25	22	21	25	26	66	45	32	22	14	10	8.4
10	26	23	21	24	26	65	44	31	22	14	10	8.0
11	26	24	21	23	143	66	42	29	21	13	10	8.4
12	26	24	21	22	75	66	41	31	20	12	9.9	9.3
13	25	24	21	22	50	66	41	31	20	12	9.9	27
14	23	24	21	22	43	65	41	31	20	12	9.9	31
15	22	24	21	22	40	62	41	32	20	12	10	20
16	22	24	21	22	345	59	41	32	18	12	10	20
17	22	24	21	22	270	58	42	32	17	12	10	18
18	22	24	21	21	140	57	41	32	17	13	10	17
19	23	24	21	21	112	55	40	31	17	13	11	15
20	23	23	21	21	94	54	39	30	16	12	12	15
21	22	23	20	21	89	53	38	27	16	12	11	14
22	21	23	20	21	83	51	39	28	17	12	10	14
23	22	23	20	21	77	51	36	29	17	12	9.9	14
24	23	23	21	20	74	50	38	30	16	10	10	14
25	25	23	21	20	69	49	42	31	16	10	10	14
26	25	23	21	20	64	49	70	30	16	10	10	13
27	25	23	21	20	64	48	51	29	16	10	10	13
28	24	23	21	20	65	46	44	29	16	10	9.9	13
29	23	23	20	20		45	41	28	17	11	9.3	13
30	22	22	20	20		46	39	28	17	11	8.9	12
31	A 22		20	20		43		27		10	8.4	
	752		646		2116		1311		587		321.1	
		684		703		1830		983		387		402.5
MEAN	24.3	22.8	20.8	22.7	75.6	60.6	43.7	31.7	19.6	12.5	10.4	13.4
ACRE-FEET	1490.	1360.	1280.	1390.	4200.	3730.	2600.	1950.	1160.	768.	637.	798.

Remarks:

YEAR OR PERIOD MEAN 29.5
ACRE-FEET 21,360.


STA. NO. P48-R
SAN GABRIEL RIVER-EAST FORK
above Forks
WEIER RATED FLOW
CALCULATED FLOW
DISCHARGE IN SECOND-FEET
2800
2400
2000
1600
1200
800
400
0
3-31
4-1
4-2
4-3
4-4
4-5
4-6
4-7
4-8
4-9
1958


STA. NO. P48-R
SAN GABRIEL RIVER-EAST FORK
above Forks
WEIER RATED FLOW
CALCULATED FLOW
DISCHARGE IN SECOND-FEET
1200
1000
800
600
400
200
0
MID
6
NOON
6
MID
6
NOON
6
MID
6
NOON

STATION F250-R
SAN GABRIEL - AZUSA CONDUIT
at Weir below San Gabriel Dam

LOCATION: WATER-STAGE RECORDER, LAT. 34°12'15", LONG. 117°51'18", ON THE LEFT (EAST) SIDE OF THE SANDBOX ON AZUSA CONDUIT, 12 FEET ABOVE THE 25-FOOT WEIR AND APPROXIMATELY 100 FEET BELOW THE 30-FOOT OUTLET TUNNEL AT SAN GABRIEL DAM, APPROXIMATELY 2500 FEET BELOW THE OLD EDISON INTAKE (ABANDONED), AND APPROXIMATELY 3900 FEET ABOVE STATION 220-R.

CHANNEL AND CONTROL: CHANNEL - CONCRETE SANDBOX WITH SLUICE GATES AND A CONCRETE BY-PASS CHANNEL. A SECONDARY BOX WITH A TAINTOR GATE AND A 10-FOOT WEIR CONTROLS THE FLOW INTO THE CONDUIT. CONTROL - A 25-FOOT, SHARP-CRESTED WEIR WITH TWO END CONTRACTIONS. STATION F250-R GIVES A RECORD OF THE FLOW DOWN THE AZUSA CONDUIT AND/OR FLOW SPILLED INTO MORRIS RESERVOIR.

RECORDER: AN AU CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1957 TO SEPTEMBER 30, 1959.

REGULATION: THE FLOW OF THE SAN GABRIEL RIVER, AVAILABLE AT SAN GABRIEL DAM, IS PARTIALLY REGULATED BY COGSWELL DAM, AND THE ENTIRE FLOW INTO THE SANDBOX IS REGULATED BY VALVE DISCHARGE FROM SAN GABRIEL DAM.

RECORDS AVAILABLE: FEBRUARY 14, 1935 TO SEPTEMBER 30, 1959.

EXTREMES OF DISCHARGE: FLOW IS ENTIRELY REGULATED BY VALVE RELEASE, CAPACITY OF SANDBOX IS APPROXIMATELY 165 SECOND-FEET. CAPACITY OF 25-FOOT WEIR IS ABOUT 142 SECOND-FEET. CAPACITY OF THE AZUSA CONDUIT IS APPROXIMATELY 95 SECOND-FEET.

ACCURACY: EXCELLENT.

REMARKS: STATION F250-R IS A RECORD OF DISCHARGES FROM SAN GABRIEL DAM THROUGH THE SANDBOX ONLY AND DOES NOT NECESSARILY REFLECT DISCHARGE TO THE AZUSA CONDUIT. (SEE STATION F220-R)

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

76D74M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F250-R

Daily discharge, in second-feet of SAN GABRIEL - AZUSA CONDUIT at Weir below San Gabriel Dam, for the year ending September 30, 1958

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	40	6.2	30	78	83	e 0.1	51	e 0.3	e 0.3	e 0.2	e 0.1	87
2	43	15.2	30	78	83	0.1	e 0.2	0.3	0.3	0.2	0.1	87
3	45	15.5	30	78	83	0.1	0.2	0.3	0.3	0.1	0.1	87
4	45	15.0	30	78	82	0.1	0.2	0.3	0.3	0.1	0.1	87
5	45	22	30	78	31	0.1	0.2	0.3	0.3	0.2	0.1	87
6	45	31	30	78	e 0.2	0.1	0.2	0.3	0.3	0.2	0.1	87
7	45	30	30	80	0.2	0.1	0.2	0.3	0.3	0.2	0.1	87
8	45	30	30	82	0.2	0.1	0.2	0.3	0.3	0.2	0	86
9	45	30	30	82	0.1	0.1	0.2	0.3	0.3	0.1	0	85
10	45	30	30	82	0.1	0.1	0.2	0.3	0.3	0.1	0	85
11	45	30	30	82	0.1	0.1	0.2	0.3	0.3	0.1	0	86
12	45	30	30	82	0.1	0.1	0.2	0.3	0.3	0.1	0	86
13	46	30	30	82	0.1	0.1	0.3	0.3	0.3	0.1	0	86
14	45	30	30	71	0.1	0.1	0.3	0.3	0.3	0.1	0	86
15	51	30	30	65	0.1	0.1	0.3	0.3	0.3	0.1	0	86
16	54	30	8.2	65	0.1	0.1	0.3	0.3	0.3	0.1	0	86
17	54	30	0	65	0.1	0.1	0.3	0.3	0.3	0.1	e 0.2	86
18	55	30	0	65	e 0.1	0.1	0.3	0.3	0.3	0.1	55	86
19	54	30	7.5	65	23	0.1	0.3	0.3	0.3	0.1	86	86
20	54	30	39	65	0.1	e 0.1	0.3	0.3	0.3	0.1	87	86
21	54	30	71	65	0.1	39	0.4	0.3	0.3	0.1	87	86
22	61	30	76	65	0.1	65	0.5	0.3	0.3	0.1	87	86
23	65	30	78	65	0.1	e 0.2	0.5	0.3	0.2	0.1	87	86
24	65	30	78	65	28	0.2	0.4	0.3	0.2	0.1	87	86
25	65	29	78	65	45	0.2	0.3	0.3	0.2	0.1	87	87
26	65	30	78	74	0.1	0.2	0.3	0.3	0.2	0.1	87	90
27	65	30	77	82	0.1	0.2	0.3	0.3	0.2	0.1	87	90
28	65	30	77	82	0.1	e 0.2	0.3	0.3	0.2	0.1	87	90
29	65	30	77	83		103	0.3	0.3	0.2	0.1	87	90
30	66	30	77	83		103	e 0.3	0.3	e 0.2	0.1	87	90
31	22		78	83		102		e 0.3		e 0.1	87	
	1604		1349.7		4603		592		82		11859	
		8239		2313		4152		93		3.7		2606.
MEAN	51.7	27.5	43.5	74.6	16.4	13.4	1.97	0.30	0.27	0.12	38.2	86.9
ACRE-FEET	3180.	1630.	2680.	4590.	913.	824.	117.	18.	16.	7.3	2350.	5170.

Remarks:

YEAR OR PERIOD MEAN 29.7
ACRE-FEET 21,500.

75DT4M (Rb 11-57

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F250-R

Daily discharge, in second-feet of SAN GABRIEL - AZUSA CONDUIT at Weir below San Gabriel Dam, for the year ending September 30, 19 59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	88	40	39	34	49	82	60	45	44	46	45	18.4
2	88	40	39	34	50	81	45	45	45	46	45	18.2
3	89	22	39	34	49	82	45	45	45	45	45	19.0
4	89	12.3	38	34	49	82	45	45	45	45	45	18.8
5	89	15.8	38	34	49	82	45	46	45	45	45	18.4
6	89	20	38	21	49	82	45	45	45	45	45	18.4
7	89	20	38	41	43	82	45	45	45	45	28	18.7
8	89	20	39	60	40	82	45	45	45	45	19.2	18.7
9	89	20	40	60	40	82	45	45	45	45	19.2	18.8
10	89	20	40	60	40	82	45	45	45	45	19.2	19.1
11	89	20	40	59	50	82	45	44	45	45	19.2	19.0
12	89	20	41	60	61	82	46	44	45	45	19.2	19.0
13	89	20	41	60	61	82	46	44	45	45	19.1	19.0
14	89	53	41	60	60	82	45	44	45	45	19.1	19.1
15	88	70	41	60	60	82	45	44	45	45	19.1	19.1
16	88	70	41	60	73	82	45	44	45	45	19.1	19.3
17	89	70	41	60	84	82	45	44	45	45	19.1	19.4
18	90	70	38	60	82	82	45	45	45	45	19.1	19.4
19	90	70	35	60	82	82	45	45	45	45	19.1	19.4
20	90	70	35	60	82	82	45	45	45	45	19.1	19.5
21	90	63	35	60	82	82	45	45	45	45	19.1	19.0
22	89	60	35	60	82	82	45	45	45	45	19.1	18.9
23	90	60	34	60	82	82	45	45	45	45	19.1	18.9
24	89	60	34	60	82	82	45	45	45	45	19.1	18.8
25	89	60	34	60	81	81	45	45	45	45	19.1	18.3
26	89	47	34	60	82	82	45	46	45	45	19.1	18.8
27	89	40	34	39	83	83	45	45	45	45	19.1	19.0
28	89	40	34	50	83	83	45	45	45	45	19.1	18.7
29	90	40	34	50		82	45	45	45	44	19.1	18.8
30	90	40	34	50		81	45	45	45	45	19.1	19.2
31	58		34	50		81		45		45	19.1	
	2731	1273.1	1158	1610	1810	2540	1367	1390	1349	1396	756.9	567.2
MEAN	88.1	42.4	37.4	51.9	64.6	81.9	45.6	44.8	45.0	45.0	24.4	18.9
ACRE-FEET	5420.	2530.	2300.	3190.	3590.	5040.	2710.	2760.	2680.	2770.	1500.	1130.

Remarks:

YEAR OR PERIOD MEAN 49.2
ACRE-FEET 35,620.

STATION F220-R
SAN GABRIEL-AZUSA CONDUIT at Garcia Canyon

LOCATION: WATER-STAGE RECORDER, LAT. 34°11'30", LONG. 117°51'25", ON THE WEST SIDE OF OPENING IN CONCRETE CONDUIT CONNECTING TUNNELS 4-A AND 4-B OF THE AZUSA CONDUIT WHICH DIVERTS WATER FROM THE SAN GABRIEL RIVER. THE STATION IS ABOUT 0.8 MILE BELOW SAN GABRIEL DAM AND 2 MILES ABOVE MORRIS DAM. ELEVATION OF GAGE ABOUT 1200 FEET.

CHANNEL AND CONTROL: STATION LOCATED ON SHORT OPEN SECTION OF CONCRETE CHANNEL. THE FLOW OVER THE 25-FOOT WEIR (STATION F250-R) MAY BE SPILLED BEFORE REACHING STATION F220-R. FLOW WHICH REACHES STATION F220-R MAY BE BY-PASSED AROUND THE 25-FOOT WEIR AT STATION F250-R.

DISCHARGE MEASUREMENTS: FROM TOP OF TUNNEL PORTAL.

RECORDER: AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1957 TO SEPTEMBER 30, 1959.

RECORDS AVAILABLE: FEBRUARY 26, 1933 TO SEPTEMBER 30, 1959. (SEE REMARKS)

EXTREMES OF DISCHARGE: FLOW ENTIRELY REGULATED BY TAINTOR GATE SETTING AND VALVE DISCHARGE AT SAN GABRIEL DAM. APPROXIMATE CAPACITY 95 SECOND-FEET.

ACCURACY: EXCELLENT.

REMARKS: THIS RECORD REFLECTS FLOW DIVERTED TO THE AZUSA CONDUIT FROM SAN GABRIEL DAM.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF SAN GABRIEL - AZUSA CONDUIT

AT NEAR Garcia Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 56

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	S. HT. CHANGE TOTAL	METER NO.
853	10/1	0959 / 1018	DE VORE	4.6	11.0	3.64	2.38	40.0		.2 .85	11	0	FC22
854	10/8	0906 / 0924	"	4.6	12.0	3.72	2.60	44.8		.2 .85	11	0	"
855	10/15	0956 / 1014	"	4.6	14.1	3.87	3.07	54.6		.2 .87	11	0	"
856	10/25	0946 / 1002	"	4.6	16.4	3.97	3.56	65.1		.2 .85	11	0	"
857	11/1	0956 / 1006	"	4.6	1.32	0.32	0.26	0.42		.5	8	0	FC62
858	11/8	0934 / 0952	"	4.6	8.86	3.41	1.94	30.1		.2 .85	11	0	FC22
859	11/15	0910 / 0928	"	4.6	9.01	3.31	1.96	29.8		.2 .85	11	0	"
860	11/29	0948 / 1006	"	4.6	9.38	3.24	2.04	30.4		.2 .85	11	0	"
861	12/6	0944 / 1006	"	4.6	9.38	3.22	2.04	30.2		.2 .85	11	0	"
862	12/13	0935 / 0953	"	4.6	9.45	3.20	2.05	30.2		.2 .85	11	0	"
863	12/27	1010 / 1028	"	4.6	18.9	4.06	4.11	76.8		.2 .85	11	0	"
864	1/3	0934 / 0952	"	4.6	19.1	4.04	4.16	77.1		.2 .85	11	0	"
865	1/10	0942 / 1000	"	4.6	20.2	4.04	4.38	81.7		.2 .85	11	0	"
866	1/17	0926 / 0944	"	4.6	16.3	3.95	3.54	64.4		.2 .85	11	0	"
867	1/24	0919 / 0938	"	4.6	16.4	3.97	3.56	65.1		.2 .85	11	0	"
868	1/31	0930 / 0948	"	4.6	20.1	4.04	4.37	81.3		.2 .85	11	0	"
869	8/22	1041 / 1057	"	4.6	20.2	4.23	4.38	85.5		.2 .87	11	0	"
870	9/5	0939 / 0956	"	4.6	20.3	4.18	4.41	84.9		.2 .87	11	0	"
871	9/19	0917 / 0933	"	4.6	19.7	4.32	4.30	84.7		.2 .87	11	0	FC18

DISCHARGE MEASUREMENTS OF SAN GABRIEL - AZUSA CONDUIT

AT NEAR Garcia Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 59

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	S. HT. CHANGE TOTAL	METER NO.
872	10/3	0929 / 0945	DE VORE	4.6	20.6	4.23	4.47	87.2		.2 .87	11	0	FC22
873	10/17	0949 / 1005	"	4.6	20.8	4.30	4.53	89.4		.2 .87	11	0	"
874	10/31	1014 / 1030	"	4.6	10.6	3.81	2.30	40.4		.2 .87	11	0	"
875	11/7	0938 / 0955	"	4.6	6.25	3.20	1.36	20.0		.2 .84	11	0	"
876	11/24	1444 / 1501	"	4.6	14.3	4.17	3.11	59.7		.2 .83	11	0	"
877	12/5	1411 / 1426	"	4.6	10.4	3.83	2.25	39.9		.2 .82	11	0	"
878	12/19	0957 / 1013	"	4.6	9.81	3.64	2.13	35.7		.2 .87	11	0	"
879	12/26	0930 / 0945	"	4.6	9.60	3.57	2.09	34.3		.2 .87	11	0	"
880	1/2	0923 / 0947	"	4.6	9.49	3.56	2.06	33.8		.2 .87	11	0	"
881	1/9	0958 / 1014	"	4.6	14.7	4.05	3.19	59.6		.2 .87	11	0	"
882	1/23	0950 / 1007	"	4.6	14.9	4.04	3.24	60.2		.2 .87	11	0	"
883	1/30	0919 / 0934	"	4.6	12.7	3.88	2.76	49.3		.2 .87	11	0	"
884	2/6	0919 / 0935	"	4.6	12.7	3.91	2.76	49.6		.2 .87	11	0	"
885	2/13	1059 / 1115	"	4.6	14.8	4.07	3.21	60.2		.2 .87	11	0	"
886	2/20	0953 / 1009	"	4.6	19.7	4.22	4.28	83.1		.2 .87	11	0	"
887	2/27	1000 / 1018	"	4.6	19.7	4.21	4.29	82.9		.2 .87	11	0	"
888	3/6	1012 / 1028	"	4.6	19.5	4.21	4.24	82.0		.2 .87	11	-.01	"
889	3/13	0934 / 0950	"	4.6	19.5	4.22	4.24	82.3		.2 .87	11	0	"
890	3/20	0917 / 0935	"	4.6	19.4	4.23	4.22	82.1		.2 .87	11	0	"
891	3/27	0918 / 0935	"	4.6	19.7	4.27	4.28	84.1		.2 .87	11	0	"
892	4/3	0939 / 0957	"	4.6	11.8	3.86	2.57	45.6		.2 .87	11	0	"
893	4/17	0927 / 0943	"	4.6	11.8	3.85	2.56	45.4		.2 .87	11	0	"
894	5/1	0928 / 0945	"	4.6	11.9	3.89	2.59	46.3		.2 .87	11	0	"
895	5/15	0918 / 0934	"	4.6	11.7	3.83	2.54	44.8		.2 .87	11	0	"
896	5/29	0923 / 0939	"	4.6	11.6	3.87	2.52	44.9		.2 .87	11	0	"
897	6/5	0923 / 0939	"	4.6	11.7	3.84	2.55	44.9		.2 .87	11	0	"
898	6/19	1011 / 1027	"	4.6	11.9	3.87	2.58	46.0		.2 .87	11	0	"
899	7/3	0950 / 1006	"	4.6	11.9	3.80	2.59	45.2		.2 .87	11	0	"
900	7/17	0938 / 0955	"	4.6	11.9	3.80	2.58	45.2		.2 .87	11	0	"
901	7/31	0934 / 0950	"	4.6	12.1	3.74	2.62	45.3		.2 .87	11	0	"
902	8/7	1018 / 1034	"	4.6	6.41	3.01	1.39	19.3		.2 .87	11	0	"
903	8/21	0908 / 0924	"	4.6	6.41	3.04	1.39	19.5		.2 .87	11	0	"
904	9/4	0953 / 1009	DE VORE - BOWMAN	4.6	6.25	3.06	1.36	19.1		.2 .87	11	0	"
905	9/18	0935 / 1000	BOWMAN	4.6	6.31	3.12	1.38	19.7		.2 .87	11	0	"

760D74M G&E 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F220-R

Daily discharge, in second-feet of SAN GABRIEL - AZUSA CONDUIT at Garcia Canyon, for the year ending September 30, 19 56

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	40	57	30	77	81	e 0.1	e 0.2	e 0.2	e 0.2	e 0.1	0	85
2	43	145	30	77	81	0.1	0.2	0.2	0.2	e 0.1	0	85
3	45	147	30	77	81	0.1	0.2	0.2	0.2	e 0.1	0	85
4	45	142	30	77	82	0.1	0.2	0.2	0.2	+	0	85
5	45	21	30	77	30	0.1	0.2	0.2	0.2		0	85
6	45	32	30	77	0	0.1	0.2	0.2	0.2		0	85
7	45	31	30	79	0	0.1	0.2	0.2	0.2		0	85
8	45	30	30	82	0	0.1	0.2	0.2	0.2		0	85
9	45	30	30	82	0	0.1	0.2	0.2	0.2		0	84
10	45	30	30	82	0	0.1	0.2	0.2	0.2		0	84
11	45	30	30	82	0	0.1	0.2	0.2	0.2		0	84
12	46	30	30	82	0	0.1	0.2	0.2	0.2		0	84
13	46	30	30	82	0	0.1	0.2	0.2	0.2		0	84
14	45	30	30	71	0	0.1	0.2	0.2	0.2		0	85
15	51	30	27	64	0	0.1	0.2	0.2	0.2		0	85
16	54	30	7.1	64	0	0.1	0.2	0.2	0.2	+	0	85
17	55	30	0.7	64	0	0.1	0.2	0.2	0.2	0	0	85
18	55	30	0.7	64	e 0.1	0.1	0.2	0.2	0.2	0	53	85
19	55	30	6.8	65	0.1	0.1	0.2	0.2	0.2	0	84	85
20	55	29	37	65	0.1	0.1	0.2	0.2	0.2	0	85	85
21	55	29	70	65	0.1	0.1	0.2	0.2	0.2	0	85	85
22	61	29	76	65	0.1	0.2	0.2	0.2	0.2	0	85	85
23	64	29	77	65	0.1	0.2	0.2	0.2	0.2	0	86	85
24	63	29	78	65	0.1	0.2	0.2	0.2	0.2	0	86	85
25	64	29	78	65	0.1	0.2	0.2	0.2	0.2	0	86	86
26	65	29	77	74	0.1	0.2	0.2	0.2	0.1	0	85	87
27	65	30	77	82	0.1	0.2	0.2	0.2	0.1	0	86	87
28	65	30	77	82	e 0.1	0.2	0.2	0.2	0.1	0	85	87
29	65	30	76	82		0.2	0.2	0.2	0.1	0	85	87
30	65	30	76	82		0.2	e 0.2	0.2	e 0.1	0	85	87
31	23		77	81		e 0.2		e 0.2		0	85	
	1605		1338.3		355.0		6.0		5.5		1161	
		816.1		2298		4.1		6.2		0.3		2556
MEAN	51.8	27.2	43.2	74.1	12.7	0.13	0.20	0.20	0.18	0.01	37.4	85.2
ACRE-FEET	3180.	1620.	2650.	4560.	704.	8.1	12.	12.	11.	0.6	2300.	5070.

Remarks: + = 0.05 CFS OR LESS

YEAR MEAN 27.8
OR PERIOD ACRE-FEET 20,140.

7-57-1M Cib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F220-R

Daily discharge, in second-feet of SAN GABRIEL - AZUSA CONDUIT at Garcia Canyon for the year ending September 30, 19 59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	37	40	41	34	49	31	61	45	45	45	45	193
2	37	40	41	34	50	31	45	46	45	45	45	196
3	37	38	40	34	50	32	45	45	45	45	45	196
4	37	124	40	34	49	32	45	46	45	45	45	193
5	38	156	40	34	49	32	45	46	45	45	45	191
6	38	178	40	21	49	31	45	45	45	45	45	191
7	38	30	40	41	44	32	46	45	45	45	28	191
8	38	20	41	60	40	32	45	44	45	45	196	191
9	38	20	42	60	40	32	46	44	45	45	196	193
10	38	20	42	59	41	32	45	44	45	45	196	196
11	38	20	42	59	51	32	45	44	45	45	198	196
12	38	49	42	60	62	32	46	44	45	45	198	196
13	38	53	43	60	60	32	45	45	45	45	198	196
14	38	53	43	60	60	32	45	45	45	45	196	196
15	39	69	43	60	60	32	45	45	45	45	196	196
16	39	69	43	60	72	32	45	45	45	45	196	196
17	39	69	43	60	84	32	45	45	45	45	196	196
18	39	69	39	60	82	32	45	45	46	45	196	196
19	39	69	36	60	83	32	45	45	46	45	196	196
20	39	70	36	60	83	32	45	45	46	45	196	196
21	39	63	36	60	82	32	46	45	46	45	196	193
22	39	59	35	60	82	32	46	45	46	45	193	193
23	39	59	34	60	82	32	46	45	46	45	193	191
24	39	59	34	60	82	32	46	45	45	45	196	191
25	39	60	34	60	81	32	46	46	45	45	196	196
26	38	47	34	60	82	33	46	46	45	45	196	198
27	38	40	34	59	83	34	46	45	45	45	196	198
28	39	40	34	60	82	34	45	45	45	45	196	198
29	39	40	34	49		33	46	45	45	45	196	198
30	39	41	34	49		33	45	45	45	45	193	193
31	39		34	49		33		45		45	193	
	3799	1854.8	1194	1606	1814	2347	1394	1357	1356	1395	7682	5778
MEAN	87.4	42.2	38.5	51.8	64.8	82.2	46.1	45.1	45.2	45.0	24.8	19.3
ACRE-FEET	5370.	2510.	2370.	3190.	3590.	5050.	2750.	2770.	2690.	2770.	1520.	1150.

Remarks:

YEAR OR PERIOD MEAN 49.4
ACRE-FEET 35,730.

STATION U8-R
SAN GABRIEL RIVER below Morris Dam

LOCATION: WATER-STAGE RECORDER, LAT. 34°10'11", LONG. 117°53'16", IN SW 1/4, NW 1/4, SW 1/4, SEC. 13, T1N, R10W, 1.1 MILES DOWNSTREAM FROM MORRIS DAM AND 2.7 MILES NORTHEAST OF AZUSA. ALTITUDE OF GAGE 867.59 FEET.

DRAINAGE AREA: 211 SQUARE MILES.

RECORDS AVAILABLE: 1894 TO SEPTEMBER 1959.

AVERAGE DISCHARGE:
64 YEARS, 152 SECOND-FEET. AVERAGE COMBINED DISCHARGE OF RIVER AND DIVERSIONS - ADJUSTED FOR STORAGE AND EVAPORATION IN MORRIS, SAN GABRIEL AND COGSWELL RESERVOIRS.

EXTREMES OF DISCHARGE:
1957-58
MAXIMUM 2780 SECOND-FEET APRIL 5. (GAGE HEIGHT 9.22 FEET)
MINIMUM DAILY, NO FLOW PART OF YEAR.
1958-59
MAXIMUM DISCHARGE 364 SECOND-FEET FEBRUARY 24. (GAGE HEIGHT 6.64 FEET)
MINIMUM NO FLOW MOST OF YEAR.
1894-1959
MAXIMUM DISCHARGE 65,700 SECOND-FEET MARCH 2, 1938. BY COMPUTATION OF FLOW OVER SPILLWAY AT MORRIS DAM.
MINIMUM NO FLOW FOR SEVERAL MONTHS IN MOST YEARS.

REMARKS: RECORDS GOOD. FLOW REGULATED BY FLOOD CONTROL DISTRICT'S SAN GABRIEL AND COGSWELL RESERVOIRS, AND BY MORRIS RESERVOIR OF METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA. AZUSA CANAL (FORMERLY POWER CANAL OF SOUTHERN CALIFORNIA EDISON COMPANY) DIVERTS ABOVE HIGH-WATER LINE OF MORRIS RESERVOIR AT A POINT ABOUT THREE MILES ABOVE STATION. THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA DISCHARGED 92 ACRE-FEET OF COLORADO RIVER WATER INTO SAN GABRIEL RIVER BELOW MORRIS DAM AND ABOVE STATION DURING WATER YEAR 1957-58 AND 386 ACRE-FEET DURING WATER YEAR 1958-59.

COOPERATION: RECORDS FURNISHED BY THE UNITED STATES GEOLOGICAL SURVEY, WATER RESOURCES BRANCH. SIXTEEN MEASUREMENTS FURNISHED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

NORMAL UNREGULATED FLOW: COMBINED RUNOFF OF RIVER AND AZUSA CANAL. ADJUSTED FOR STORAGE AND EVAPORATION IN MORRIS, SAN GABRIEL AND COGSWELL RESERVOIRS, USING RECORDS FURNISHED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT. THESE FIGURES OF RUNOFF ARE EQUIVALENT TO COMBINED RECORDS OF SAN GABRIEL RIVER AND SOUTHERN CALIFORNIA EDISON COMPANY'S CANAL AS PUBLISHED FROM 1894 TO 1933.

MONTH	1957-58 A.F.	1958-59 A.F.
OCTOBER	1690.	2780.
NOVEMBER	1790.	2700.
DECEMBER	13990.	2480.
JANUARY	6340.	4050.
FEBRUARY	34030.	12000.
MARCH	40540.	6790.
APRIL	83930.	4220.
MAY	27190.	3080.
JUNE	14650.	1840.
JULY	7260.	1080.
AUGUST	4380.	1010.
SEPTEMBER	3180.	1100.
TOTALS	239000.	43130.

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER

AT NEAR below Norris Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 56

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	S. HT. CHANGE TOTAL	METER NO.
2186	2/5		U.S.G.S.	5.0	3.54	0.60	4.73	2.13		.6	12	-.01	
2187	2/8		"	104.0	313.	4.47	8.27	1400.		.6	21	-.10	
2188	2/9	1156 / 1230	HOLLERON-ROY	101.0	233.	3.23	7.39	752.		.6	23	+.08	FC56
2189	2/10		U.S.G.S.	101.0	236.	3.61	7.40	853.		.2,.6,.8	24	-.01	
2190	2/13		"	101.0	227.	3.63	7.42	825.		.2,.6,.8	25	0	
2191	2/22	1115 / 1146	HOLLERON-BROOK	100.0	191.	2.86	6.95	547.		.6	24	+.01	FC56
2192	2/26		U.S.G.S.	101.0	200.	3.24	7.11	647.		.6	28	+.02	
2193	2/28	1154 / 1220	BROOK	87.0	141.	2.38	6.43	335.		.6	27	0	FC35
2194	3/1		U.S.G.S.	88.0	137.	2.11	6.45	289.		.6	28	+.04	
2195	3/8	0948 / 1028	HOLLERON	80.0	89.8	1.89	6.06	189.		.6	34	0	FC56
2196	3/12	0858 / 0936	"	82.0	119.	2.00	6.30	238.		.6	29	0	"
2197	3/14		U.S.G.S.	82.0	92.7	2.04	6.07	189.		.6	24	0	
2198	3/25	1024 / 1114	HOLLERON	87.0	141.	3.04	6.71	428.		.6	31	0	FC56
2199	3/26		U.S.G.S.	94.0			6.70	488.		.6	24	0	
2200	4/5		"	111.0	374.	4.95	8.75	1840.		.6	29	0	
2201	4/8		"	108.0	357.	5.46	8.46	1950.		SURF .6	26	0	
2202	4/9	1110 / 1146	HOLLERON-WALTON	105.0	250.	5.28	7.92	1320.		.6	23	0	FC56
2203	4/16	1112 / 1146	HOLLERON	81.0	86.8	1.80	5.95	156.		.6	31	+.01	"
2204	4/18		U.S.G.S.	102.0	231.	3.66	7.25	846.		.6	21	+.01	
2205	4/23		"	79.0	88.5	1.54	5.86	136.		.6	25	0	
2206	5/2		"	100.0	197.	3.03	6.92	596.		.6	20	0	
2207	5/12	1105 / 1145	HOLLERON-MC BRIDE	98.0	212.	2.59	6.96	550.		.6	24	0	FC56
2208	5/16		U.S.G.S.	102.0	211.	3.08	6.96	469.		.6	22	0	
2209	5/21		U.S.G.S.	99.0	205.	3.03	6.96	621.		.6	21	0	
2210	6/5		"	102.0	244.	2.96	7.18	722.		.6	27	+.01	
2211	6/9	1415 / 1455	HOLLERON	100.0	220.	3.90	7.21	727.		.6	27	0	FC56
2212	6/10		U.S.G.S.	103.0	229.	3.00	7.22	686.		.6	23	0	
2213	6/19		"	103.0	239.	3.08	7.31	738.		.6	24	0	
2214	6/26	0900 / 0928	HOLLERON	CHANNELS			5.57	26.7		.6	22	0	FC56
2215	7/8		U.S.G.S.	56.0	52.3	1.21	5.63	63.4		.6	21	+.02	
2216	7/23		"	84.0	81.4	1.23	5.77	100.		.6	24	0	
2217	7/31	1342 / 1414	HOLLERON	CHANNELS			5.62	53.6				0	FC56
2218	8/8		U.S.G.S.	80.0	72.9	1.45	5.69	49.5		.6	37	+.04	
2219	8/14	1400 / 1418	HOLLERON	9.0	7.14	1.18	5.02	8.38		.6	17	0	FC56
2220	8/18	1406 / 1448	HOLLERON-WALTON	100.0	232.	3.33	7.45	773.		.6	27	0	"

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER

AT NEAR below Norris Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 59

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	S. HT. CHANGE TOTAL	METER NO.
2221	2/24		U.S.G.S.	92.0	132.	2.71	6.64	357.		.2,.6,.8	17	0	
2222	2/24	1402	HOLLERON-PETERSEN	91.0	152.	2.45	6.64	373.		.6	23	0	FC56
2223	3/3	0925	HOLLERON	91.0	147.	2.10	6.37	308.		.6	23	0	"

75D74M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. UB-R

Daily discharge, in second-feet of SAN GABRIEL RIVER below Norris Dam for the year ending September 30, 19 52

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	319	44	600	662	72	50	0
2	0	0	0	0	0	305	42	538	662	78	47	0
3	0	0	0	0	0	288	52	538	667	89	41	0
4	0	0	0	0	0	312	553	538	667	89	40	0
5	0	0	0	0	1.3	315	2470	543	672	85	39	0
6	0	0	0	0	9.3	291	2450	554	672	85	38	0
7	0	0	0	0	299	237	1820	554	672	80	36	0
8	0	0	0	0	1160	188	1810	554	677	62	41	0
9	0	0	0	0	1040	188	1420	554	682	62	45	0
10	0	0	0	0	833	238	1230	559	690	60	41	0
11	0	0	0	0	798	274	1230	559	661	70	41	0
12	0	0	0	0	811	243	1220	559	713	70	45	0
13	0	0	0	0	841	191	1220	559	713	67	41	0
14	0	0	0	0	811	191	303	559	728	65	12	0
15	0	0	0	0	773	242	131	559	735	62	5.5	0
16	0	0	0	0	765	380	149	559	735	91	3.1	0
17	0	0	0	0	811	724	158	559	730	94	3.7	0
18	0	0	0	0	737	826	474	559	758	94	527	0
19	0	0	0	0	53	818	658	559	758	89	846	0
20	0	0	0	0	6.6	513	615	559	765	87	909	0
21	0	0	0	0	5.3	108	481	559	773	82	961	0
22	0	0	0	0	362	219	137	554	393	98	992	0
23	0	0	0	0	523	502	152	554	34	96	977	0
24	0	0	0	0	347	458	425	554	32	89	504	0
25	0	0	0	0	236	425	505	554	31	80	0	0
26	0	0	0	0	580	425	610	559	29	72	0	0
27	0	0	0	0	477	430	610	559	32	59	0	0
28	0	0	0	0	329	425	632	617	35	64	0	0
29	0	0	0	0		178	667	657	35	55	0	0
30	0	0	0	0		35	667	657	64	50	0	0
31	0		0	0		39		657		49	0	
	0		0		12608.4		23035		15517		65253	
		0		0		10327		17603		2375		0
MEAN	0	0	0	0	450.	333.	768.	568.	517.	76.6	204.	0
ACRE-FEET	0	0	0	0	25,010.	20,480.	45,690.	34,920.	30,780.	4710.	12,550.	0

Remarks:

YEAR OR PERIOD MEAN 241.
ACRE-FEET 174,100.

FSD74M C/h 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U8-R

Daily discharge, in second-feet of SAN GABRIEL RIVER below Morris Dam for the year ending September 30, 19 59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	308	0	0	0	0	0	0
2	0	0	0	0	0	308	0	0	0	0	0	0
3	0	0	0	0	0	308	0	0	0	0	0	0
4	0	0	0	0	0	308	0	0	0	0	8.3	0
5	0	0	0	0	0	320	0	0	0	0	0	0
6	0.3	0	0	0	0	320	0	0	0	0	0	0
7	0	0	0	0	0	304	0	0	0	0	0	0
8	0	0	0	0	0	213	0	0	0	0	0	11
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	4.1	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	5.6
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	31	0	0	0	0	0	0	0
24	0	0	0	0	312	0	0	0	0	0	0	0
25	0	0	0	0	348	0	0	0	0	0	0	0
26	0	0	0	0	348	0	0	0	0	0	0	0
27	0	0	0	0	348	0	0	0	0	0	0	0
28	0	0	0	0	328	0	0	0	0	0	0	0
29	0	0	0	0		0	0	0	0	0	0	0
30	0	0	0	0		0	0	0	0	0	0	0
31	0		0	0		0		0		0	0	
	0.3	0	0	0	1715	2389	0	0	0	0	12.4	16.6

MEAN	0.01	0	0	0	61.2	77.1	0	0	0	0	0.40	0.55
ACRE-FEET	0.6	0	0	0	3400.	4740.	0	0	0	0	25.	33.

Remarks:

YEAR OR PERIOD MEAN 11.3
ACRE-FEET 8200.

STATION S100A-R
SAN GABRIEL AZUSA-DUARTE TUNNEL DIVERSION
at Mouth of Canyon

LOCATION: WATER-STAGE RECORDER, LAT. 34°09'33", LONG. 117°54'27", AT WEIR BOX AT THE DOWNSTREAM PORTAL OF THE AZUSA-DUARTE TUNNEL ABOUT 250 FEET SOUTH OF THE CANYON ROAD AT THE MOUTH OF SAN GABRIEL CANYON. ELEVATION OF GAGE ABOUT 750 FEET.

GENERAL: THIS STATION MEASURES ALL FLOW DIVERTED BY THE SAN GABRIEL WATER COMMITTEE AT THE MOUTH OF SAN GABRIEL CANYON.

CHANNEL AND CONTROL: CONCRETE WEIR BOX WITH BROAD-CRESTED WEIRS. THESE WEIRS CAN DIVIDE THE FLOW BETWEEN THE EAST SIDE SPREADING GROUNDS AND THE DUARTE SPREADING GROUNDS. EITHER SIDE CAN BE DIVERTED FOR IRRIGATION.

REGULATION: RIVER FLOW AT THE CANYON MOUTH IS PARTIALLY REGULATED BY MORRIS DAM, SAN GABRIEL DAM AND COGSWELL DAM. THE DIVISION OF THE DIVERTED FLOW CAN BE REGULATED AT THE WEIRS BY INSERTING CONSTRICTIONS.

RECORDS AVAILABLE: THE TUNNEL WAS CONSTRUCTED IN 1887. RECORDS OF DIVERSION SINCE 1918 ARE AVAILABLE AT THE OFFICE OF THE SAN GABRIEL RIVER WATER COMMITTEE, AZUSA.

ACCURACY: EXCELLENT.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE SAN GABRIEL RIVER WATER COMMITTEE.

RECORDS WERE FURNISHED BY MR. MAURICE D. JONES, WATER MASTER OF THE SAN GABRIEL RIVER WATER COMMITTEE. PUBLISHED HEREWITH ARE THE RECORDS FROM OCTOBER 1, 1957 TO SEPTEMBER 30, 1959. RECORDS PRIOR TO OCTOBER 1939 WERE PUBLISHED WITH THE RECORDS OF STATION F100-R WHICH WAS ABANDONED NOVEMBER 1940.

DISCHARGE MEASUREMENTS OF SAN GABRIEL AZUSA - DUARTE TUNNEL DIVERSION

AT NEAR Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 60

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
200	2/26	1432 / 1506	HOLLERON-TWITTY	5.9	12.6	3.48	1.09	43.8		.2/.8	12	0	FC56
201	2/27	1420 / 1434	HOLLERON-JONES	5.9	12.4	2.77	0.96	34.3		.2/.8	8	+.01	"
202	3/20	0934 / 0952	HOLLERON	5.9	11.1	2.32	0.77	25.8		.2/.8	8	0	"
203	3/28	1054 / 1110	HOLLERON-WALTON	5.6	10.3	2.86	0.83	29.4		.2/.8	8	-.01 / +.02	"
204	5/12	0915 / 0920	HOLLERON-MC BRIDE	2.5	0.90	0.63		0.57		.6	6		FC48
205	7/3	0918 / 0938	HOLLERON	5.7	10.5	3.17	0.84	33.9		.2/.8	8	0	FC56
206	7/10	1404 / 1418	"	5.4	10.0	2.68	0.76	26.8		.2/.8	8	0	"
207	7/17	1554 / 1608	"	5.6	8.95	1.62	0.52	14.5		.6	9	0	"
208	7/31	1256 / 1310	"	5.5	8.50	1.27	0.46	10.8		.6	12	0	"
209	8/7	1120 / 1134	"	5.5	8.65	1.63	0.50	14.1		.6	12	0	"

760?4M Gib 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. S100A-R

Daily discharge, in second-feet of SAN GABRIEL AZUSA -DUARTE TUNNEL DIVERSION at Mouth of Canyon for the year ending September 30, 1958

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	18.7	0	0	0	31	14.4	0
2	0	0	0	0	0	26	0	0	0	31	17.9	0
3	0	0	0	0	0	23	0	0	0	31	15.6	0
4	0	0	0	0	0	26	0	0	0	31	16.5	0
5	0	0	0	0	0	20	0	0	0	31	16.5	0
6	0	0	0	0	0	0	0	0	0	31	15.6	0
7	0	0	0	0	0	0	0	0	0	31	15.3	0
8	0	0	0	0	0	0	0	0	0	28	20	0
9	0	0	0	0	0	0	0	0	0	28	18.9	0
10	0	0	0	0	0	0	0	0	0	28	16.5	0
11	0	0	0	0	0	0	0	0	0	30	15.6	0
12	0	0	0	0	0	0	0	0	0	30	17.0	0
13	0	0	0	0	0	0	0	0	0	19.0	15.6	0
14	0	0	0	0	0	0	14.1	0	0	10.6	6.6	0
15	0	0	0	0	0	0	35	0	0	14.4	0	0
16	0	0	0	0	0	0	38	0	0	15.3	0	0
17	0	0	0	0	0	0	38	0	0	15.7	0	0
18	0	0	0	0	0	0	26	0	0	15.7	0	0
19	0	0	0	0	0	11.0	6.7	0	0	15.7	0	0
20	0	0	0	0	0	16.3	0	0	0	14.3	0	0
21	0	0	0	0	0	0	0	0	0	13.9	0	0
22	0	0	0	0	0	0	0	0	0	13.9	0	0
23	0	0	0	0	0	0	0	0	13.0	17.0	0	0
24	0	0	0	0	0	17.5	0	0	23	17.0	0	0
25	0	0	0	0	21	34	0	0	24	17.0	0	0
26	0	0	0	0	49	39	0	0	24	15.3	0	0
27	0	0	0	0	36	14.6	0	0	24	14.8	0	0
28	0	0	0	0	29	19.7	0	0	25	14.8	0	0
29	0	0	0	0		19.5	0	0	24	13.9	0	0
30	0	0	0	0		9.6	0	0	28	13.5	0	0
31	0		0	0		23		0		13.1	0	
	0		0		135		157.8		185.0		222.0	
		0		0		317.9		0		645.9		0
MEAN	0	0	0	0	4.82	10.2	5.26	0	6.17	20.8	7.16	0
ACRE-FEET	0	0	0	0	268.	630.	313.	0	367.	1280.	440.	0

Remarks:

YEAR OR PERIOD MEAN 4.56
ACRE-FEET 3300.

STATION F150-R
SAN GABRIEL RIVER at Foothill Boulevard

LOCATION: WATER-STAGE RECORDER, LAT. 34°08'13", LONG. 117°56'32", ON THE DOWNSTREAM SIDE OF FOOTHILL BOULEVARD BRIDGE TWO MILES WEST OF AZUSA. ELEVATION OF ZERO GAGE HEIGHT, 565.50 FEET.

DRAINAGE AREA: 230 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - TRAPEZOIDAL WITH GUNITED ROCK LEVEES AND NATURAL SAND, GRAVEL AND ROCK BOTTOM. BOTTOM WIDTH 590 FEET, DEPTH 12 FEET. CONTROL-GUNITED ROCK STABILIZERS.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING; HIGH FLOWS MEASURED FROM CABLE CAR 900± FEET BELOW THE STATION.

RECORDER: AN AU CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1957 TO SEPTEMBER 30, 1959.

REGULATION: FLOW PARTIALLY REGULATED BY COGSWELL DAM, SAN GABRIEL DAM AND MORRIS DAM.

DIVERSIONS: THERE ARE DIVERSIONS FOR IRRIGATION, POWER DEVELOPMENT AND SPREADING.

RECORDS AVAILABLE: STREAM MEASUREMENTS STARTING FEBRUARY 22, 1932. RECORDER RECORDS FROM APRIL 25, 1932 TO SEPTEMBER 30, 1959. (FOR RECORDS PRIOR TO FEBRUARY 22, 1932, SEE DIVISION OF WATER RIGHTS BULLETINS.)

EXTREMES OF DISCHARGE:
1957-58
MAXIMUM 2520 SECOND-FEET APRIL 5.
MINIMUM NO FLOW PART OF YEAR.
1958-59
MAXIMUM 3390 SECOND-FEET JANUARY 6.
MINIMUM NO FLOW MOST OF YEAR.
1932-59
MAXIMUM 62,000 SECOND-FEET ESTIMATED MARCH 2, 1938.
MINIMUM NO FLOW AT TIMES EACH YEAR.

ACCURACY: FAIR.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER

AT NEAR Foothill Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 1958

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
630	12/17	1324 / 1346	HOLLERON		CHANNELS		1.63	28.2		.5 / .6	26	-.02	FC54
631	12/26	1602 / 1616	"		"		1.52	10.3		.5 / .6	13	0	"
632	1/2	1444 / 1500	"		"		1.50	9.8		.6	13	0	"
633	1/9	1236 / 1252	"		"		1.48	8.3		.6	13	0	FC56
634	1/16	1350 / 1404	"	19.0	7.10	0.58	1.40	4.1		.5 / .6	11	0	"
635	1/23	1122 / 1138	"	20.0	7.32	0.53	1.40	4.0		.5 / .6	12	0	"
636	1/26	0719 / 0739	HOLLERON-FLYNN		CHANNELS		1.93	112.		.6	20	0	"
637	1/28	0852 / 0906	HOLLERON		"		1.54	15.8		.6	13	0	"
638	1/30	1436 / 1448	"		"		1.49	9.6		.6	12	0	"
639	2/3	1026 / 1054	"		"		1.87	91.5		.6	23	+.01	"
640	2/4	1800 / 1820	HOLLERON-WALTON		"		2.02	163.		.6	18	-.02	"
641	2/7	1750 / 1817	HOLLERON-ROY	166.0	169.	4.21	2.74	711.		.6	21	-.01	"
642	2/8	0826 / 0950	" "	170.0	198.	4.33	2.84	858.		.6	20	+.02	"
643	2/8	1150 / 1215	" "	170.0	224.	5.36	3.02	1200.		.5 / .6	20	-.03	"
644	2/8	1219 / 1248	ROY-HOLLERON	171.0	246.	4.97	3.01	1220.		.5 / .6	20	-.03	"
645	2/9	1449 / 1515	HOLLERON-ROY		CHANNELS		2.71	680.		.5 / .6	26	0	"
646	2/15	1038 / 1120	HOLLERON		"		2.70	691.		.6	26	0	"
647	2/19	1040 / 1100	HOLLERON-WALTON		"		2.07	180.		.6	16	-.01	"
648	2/20	1128 / 1142	" "		"		1.80	68.0		.6	13	-.01	"
649	2/21	1558 / 1614	HOLLERON	32.0	23.0	2.09	1.72	48.0		.6	15	0	"
650	2/22	1318 / 1341	HOLLERON-BROOK		CHANNELS		2.52	507.		.6	25	+.01	"
651	2/25	1002 / 1030	HOLLERON-WALTON		"		1.90	115.		.6	26	-.01	"
652	2/26	1154 / 1220	HOLLERON-TWITTY		"		2.58	565.		.6	24	0	"
653	2/28	1452 / 1546	BROOK	167.0	116.	2.73	2.26	317.		.5 / .6	38	0	"
654	3/5	1310 / 1346	HOLLERON	167.0	116.	2.75	2.27	319.		.6	24	0	"
655	3/8	1354 / 1432	"		CHANNELS		2.16	217.		.6	30	0	"
656	3/12	1230 / 1310	"	163.0	121.	2.32	2.26	278.		.6	30	0	"
657	3/16	0756 / 0824	HOLLERON-WALTON	167.0	165.	3.61	2.58	595.		.5	19	-.03	"
658	3/19	1010 / 1042	HOLLERON	168.0	194.	4.11	2.77	797.		.6	20	0	"
659	3/20	0810 / 0846	"		CHANNELS		1.91	101.		.6	32	0	"
660	3/24	0834 / 0902	"	168.0	158.	3.26	2.61	516.		.6	19	0	"
661	3/25	1440 / 1506	"	86.0	124.	3.49	2.50	420.		.6	19	0	"
662	3/31	1118 / 1144	"	67.0	46.6	1.05	1.76	49.0		.6	22	0	"
663	4/2	0808 / 0834	HOLLERON-WALTON	81.0	89.8	2.51	2.20	228.		.6	17	0	"
664	4/3	0842 / 0910	" "	170.0	182.	4.82	2.92	877.		.6	19	-.05	"
665	4/5	0918 / 1021	HOLLERON-MC BRIDE		CHANNELS		3.43	1970.		.6	39	.01	FC56 FC33
666	4/5	1618 / 1702	" "		"		3.53	2510.		.6	32	0	FC56
667	4/7	1114 / 1146	HOLLERON-ROY		"		3.33	1920		.6	28	0	"
668	4/9	1342 / 1418	HOLLERON-WALTON		"		3.07	1260.		.6	25	0	"
669	4/16	1446 / 1506	HOLLERON	87.0	70.6	2.15	1.90	152.		.6	18	0	"
670	4/21	0850 / 0910	"		CHANNELS		2.57	694.		.6	15	0	"
671	4/23	1616 / 1638	"	92.0	70.5	2.01	1.87	142.		.6	18	0	"
672	4/25	1300 / 1326	"	130.0	172.	3.62	2.55	622.		.6	21	0	"
673	4/30	0914 / 0940	"	129.0	188.	3.83	2.61	720.		.6	22	0	"
674	5/7	0900 / 0930	"	103.0	139.	3.80	2.49	527.		.6	23	0	"
675	5/12	1330 / 1356	HOLLERON-MC BRIDE	104.0	150.	3.53	2.49	530.		.6	22	0	"
676	5/26	0840 / 0906	HOLLERON	126.0	129.	3.98	2.54	514.		.6	20	0	"
677	5/28	1422 / 1454	"	128.0	176.	3.41	2.63	600.		.6	26	0	"
678	6/5	1656 / 1730	HOLLERON	128.0	189.	3.17	2.65	600.		.6	27	0	FC56
679	6/9	0905 / 0937	"	128.0	182.	3.53	2.65	642.		.6	27	0	"
680	6/19	1436 / 1508	"	128.0	188.	3.39	2.62	638.		.6	28	0	"
681	6/26	1215 / 1225	"		CHANNELS			1.34	3.6	.6 EST.	8	0	"
682	7/3	1226 / 1236	"		"			1.47	12.2	.6	10	0	"
683	7/17	1520 / 1534	"	20.0	16.0	1.16	1.53	18.4		.6	11	0	FC48
684	7/24	1415 / 1429	"		CHANNELS			1.57	25.5	.6	11	0	FC56
685	7/31	1142 / 1154	"	19.0	14.9	1.28	1.53	19.0		.6	11	0	"
686	8/7	1030 / 1044	"	19.0	13.4	1.30	1.51	17.4		.6	11	0	"
687	8/14	1634 / 1646	"	5.5	3.46	1.07	1.35	3.7		.6	8	0	"
688	8/18	1620 / 1648	HOLLERON-WALTON	130.0	184.	3.67	2.64	674.		.6	27	+.01	"
689	8/20	1305 / 1333	HOLLERON-MC BRIDE	130.0	102.	7.45	2.74	760.		.6	27	-.01	"
690	8/23	1027 / 1111	MC BRIDE - BROOK	130.0	204.	4.18	2.81	847.		.6	30	0	FC47

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER

AT NEAR Foothill Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 1959

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
691	10/30	0933 / 0942	HOLLERON		CHANNELS		1.42	9.2		.6	11	0	FC56
692	11/13	0812 / 0822	"	5.5	2.29	0.70	1.26	1.6		.6	10	0	FC48
693	11/19	1436 / 1444	"	5.6	3.01	0.60	1.29	1.8		.6	7	0	"
694	11/26	0816 / 0824	"	5.5	3.15	0.60	1.29	1.9		.6	7	0	"
695	12/4	1048 / 1056	"	4.5	1.58	0.33	1.22	0.52		.6	10	0	"
696	1/7	1606 / 1622	"	42.5	24.4	2.38	1.71	58.1		.6	15	0	FC56
697	1/15	1330 / 1344	"	21.0	7.90	1.70	1.55	13.4		.6	12	0	FC48
698	1/22	1410 / 1426	"		CHANNELS		1.63	13.0		.5	15	0	"
699	1/29	1630 / 1650	BOWMAN		"		1.57	10.7		.5	17	0	"
700	2/5	1500 / 1516	HOLLERON	20.0	5.22	2.07	1.55	10.8		.5	18	0	"
701	2/8	1038 / 1050	HOLLERON-WALTON	41.0	11.0	2.27	1.62	25.0		.6	15	-.04	"
702	2/11	0754 / 0810	HOLLERON-JOHNSON	125.	89.2	4.04	2.27	360.		SURF .9	12		FC56
703	2/12	1542 / 1548	HOLLERON-WALTON		CHANNELS		1.62	21.7		.5	18		"
704	2/16	1524 / 1534	ROY-PETERSEN	128.0	158.	6.39	2.65	1010.		.6	16		FC51
705	2/17	1520 / 1538	HOLLERON		CHANNELS		1.80	43.0		.5 / .6 SURF	19		FC56
706	2/21	1240 / 1256	HOLLERON-WALTON		"		1.95	63.8		.5 / .6	17		"
707	2/24	1511 / 1527	HOLLERON-PETERSEN		"		2.19	394.		.6	17		"
708	2/26	1608 / 1632	HOLLERON		"		2.21	367.		.6	20		"
709	3/3	1010 / 1025	"		"		2.10	326.		.6	18		"
710	3/12	1306 / 1318	"	42.0	23.6	0.84	1.53	19.9		.6	13	0	FC48
711	3/19	1422 / 1436	"		CHANNELS		1.50	14.1		.6	16	0	"
712	3/26	0914 / 0928	"		"		1.50	14.6		.6	16	0	"
713	4/2	1033 / 1047	"		"		1.35	4.7		.5 / .6	14	0	"
714	4/9	1326 / 1340	"		"		1.31	2.8		.5 / .6	14	0	"
715	4/17	0920 / 0928	"	6.5	3.00	0.70	1.29	2.1		.6	8	0	"
716	4/23	1436 / 1444	"	3.5	1.50	0.80	1.26	1.2		.6	8	0	"
717	5/14	1611 / 1619	"	3.6	1.78	1.01	1.28	1.8		.6	8	0	"
718	5/21	0909 / 0917	"	3.6	1.75	0.97	1.29	1.7		.6	8	0	"

76DT4M Cib 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F190-R

Daily discharge, in second-feet of SAN GABRIEL RIVER at Foothill Boulevard, for the year ending September 30, 1958

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	9.5	8.8	337	261	654	596	8.7	21	0
2	0	0	0	9.5	9.5	313	210	575	596	9.3	20	0
3	0	0	0	9.5	46	296	456	545	596	11	19	0
4	0	0	0	9.5	178	308	543	536	596	14	18	0
5	0	0	0	9.5	80	321	2260	526	596	14	18	0
6	0	0	0	9.5	46	321	2270	526	608	12	18	0
7	0	0	0	9.5	192	269	1890	526	620	11	18	0
8	0	0	0	10	916	210	1870	526	631	3.9	22	0
9	0	0	0	10	888	216	1480	526	642	2.6	26	0
10	0	0	0	8.1	693	252	1240	526	642	3.3	24	0
11	0	0	0	7.4	666	288	1220	526	593	3.9	21	0
12	0	0	0	7.4	706	268	1200	526	654	5.4	21	0
13	0	0	0	7.4	736	204	1180	526	654	9.3	22	0
14	0	0	0	6.0	720	204	570	526	654	15	6.8	0
15	0	0	0	4.2	693	258	137	526	642	16	1.7	0
16	0	0	19	4.2	680	562	146	526	631	19	0.7	0
17	0	0	39	4.2	736	742	156	526	631	20	0.5	0
18	0	0	2.7	4.2	702	800	447	526	631	19	312	0
19	0	0	0.3	4.2	153	784	737	526	642	19	734	0
20	0	0	9.3	a 4.1	70	527	688	526	642	19	777	0
21	0	0	17	a 4.0	58	203	580	526	642	19	823	+
22	0	0	13	a 3.9	306	265	161	526	400	24	857	0.1
23	0	0	11	3.8	513	537	161	526	16	29	843	0
24	0	0	10	3.8	392	477	406	516	7.4	27	521	0
25	0	0	10	3.8	206	427	608	516	b 5.4	26	4.2	0
26	0	0	10	57	506	418	620	516	3.3	24	9.8	0
27	0	0	9.5	24	479	465	620	516	3.0	24	0.2	0
28	0	0	9.5	15	345	446	666	556	3.6	22	0.1	0
29	0	0	9.5	12		242	726	596	5.4	20	+	0
30	0	0	9.5	10		70	726	596	8.0	18	+	0
31	0		9.5	9.5		70		596		19	+	
	0		188.8		11724.3		24235		13591.1		5150.0	
		0		294.7		11100		16712		487.4		0.1
MEAN	0	0	6.09	9.51	419.	358.	808.	539.	453.	15.7	166.	+
ACRE-FEET	0	0	375.	585.	23,250.	22,020.	48,070.	33,150	26,960.	967.	10,220.	0.2

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 229.
ACRE-FEET 165,600

76DT4M Cib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F190-R

Daily discharge, in second-feet of SAN GABRIEL RIVER at Foothill Boulevard, for the year ending September 30, 1959

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	3.9	0.6	+	13	b326	9.3	0	0			
2	0	3.6	0.6	+	13	b326	4.2	b 0.1	0			
3	0	2.0	0.5	+	b 12	326	4.8	0.1	+			
4	0	1.4	0.5	+	b 12	b326	3.6	0.2				
5	0	1.7	b 0.4	0.1	11	338	3.6	0.2				
6	0	1.4	0.3	175	12	350	3.0	b 0.2				
7	0	1.1	0.2	58	12	b350	3.0	0.2	+			
8	0	1.1	0.1	53	25	288	3.0	0.3	0.2			
9	0	1.1	0.1	b 48	8.7	b 20	3.0	0.7	0.1			
10	0	1.1	+	42	8.0	b 20	3.0	0.9	+			
11	0	1.1		37	293	b 20	2.6	1.1	0			
12	0	1.1		31	24	20	3.0	1.7	0			
13	0	1.1		25	26	21	2.6	2.0	+			
14	0	2.3		b 20	18	20	3.0	2.0	0.2			
15	0	3.9		14	29	18	2.3	2.0	0.1			
16	0	3.3		10	365	16	2.0	2.0	0			
17	0	3.3		8.0	38	14	2.0	2.0	0			
18	0	2.6		8.7	56	14	2.3	2.0	0			
19	0	2.0		6.8	b 50	14	4.2	1.7	RECORDER STOPPED			
20	0	1.7		9.3	b 44	14	2.0	1.7				
21	0	1.1		8.0	38	14	1.7	2.0				
22	0	1.0		8.0	38	14	1.7	1.4				
23	0	1.4		7.4	29	14	1.4	1.4				
24	1.7	1.7		9.3	327	14	0.9	2.0				
25	1.0	1.7		1.0	b380	14	0.3	1.1				
26	9.3	1.1		1.1	b367	14	12	0.5				
27	9.3	0.9		9.3	b367	13	2.6	0.1				
28	9.3	0.7		11	352	13	2.0	+				
29	9.3	0.5		11		13	1.7	0				
30	9.3	0.4		11		13	0	0				
31	6.8		+	11		12		0				
	65.0		3.3		2967.7		90.8		0.6			
		51.3		652.9		2980.0		29.6				
MEAN	2.10	1.71	0.11	21.1	106.	96.4	0.30	0.95	0.02	0	0	0
ACRE-FEET	129.	102.	6.5	1300.	5890.	5930.	180.	59.	1.2	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 18.8
ACRE-FEET 13590.

STA. NO. F190-R
SAN GABRIEL RIVER
at Foothill Boulevard

METER RATED FLOW

INCLUDES REGULATED FLOW

DISCHARGE IN SECOND-FEET

2400
2000
1600
1200
800
400
0

4/4 MID 4/5 MID 4/6 MID 4/7 MID 4/8 MID 4/9 MID 4/10 MID
1958

KEUFFEL & ESSER CO., N. Y. NO. 359-21L
15 X 20 to the inch.
MADE IN U.S.A.

STA. NO. F190-R
SAN GABRIEL RIVER
at Foothill Boulevard

METER RATED FLOW
CALCULATED FLOW
ESTIMATED FLOW

DISCHARGE IN SECOND-FEET

3200
2800
2400
2000
1600
1200
800
400
0

MID 3 6 9 NOON 3 6 9 MID
1/6/59

KEUFFEL & ESSER CO., N. Y. NO. 359-21L
15 X 20 to the inch.
MADE IN U.S.A.

STATION E281-R
SAN GABRIEL RIVER below Santa Fe Dam

LOCATION: WATER-STAGE RECORDER, LAT. 34°06'44", LONG. 117°58'07", ON THE LEFT BANK OF STILLING BASIN OUTLET OF SANTA FE DAM, 1.7 MILES NORTH OF BALDWIN PARK. ELEVATION OF GAGE 400 FEET.

DRAINAGE AREA: 231 SQUARE MILES, SPILLWAY FLOW FROM SANTA FE DAM WILL BE PASSED TO RIO HONDO.

CHANNEL AND CONTROL: CHANNEL - A STILLING BASIN LOCATED IN THE OUTLET CHANNEL IMMEDIATELY BELOW SANTA FE DAM. CONTROL - 194.84 - FOOT CONCRETE OVERFLOW SECTION TO THE SAN GABRIEL RIVER AND FIVE GATED OPENINGS TO THE RIO HONDO DIVERSION CANAL. STATION E281-R RECORDS WATER SURFACE ELEVATION IN THE STILLING BASIN.

DISCHARGE MEASUREMENTS: LOW FLOW MEASUREMENTS MAY BE MADE ON LIP OF BASIN BELOW GAGE HEIGHT 2.5 FEET; HIGH FLOW MEASUREMENTS MAY BE MADE FROM CABLE CAR 1000 FEET BELOW GAGE.

RECORDER: A STEVENS A-35 RECORDER WAS IN SERVICE FROM OCTOBER 1, 1957 TO SEPTEMBER 30, 1959.

REGULATION: FLOW REGULATED BY SANTA FE DAM. INFLOW PARTIALLY REGULATED BY COGSWELL DAM, SAN GABRIEL DAM AND MORRIS DAM. GATES WERE INSTALLED DECEMBER 1948.

DIVERSION: THERE ARE DIVERSIONS FOR IRRIGATION, POWER DEVELOPMENT AND SPREADING. DISCHARGES OVER THE SPILLWAY OF DAM FLOW TO THE RIO HONDO AND ARE NOT RECORDED AT THIS STATION. FIVE GATED OPENINGS ON THE WEST SIDE OF THE STILLING BASIN MAY DIVERT FLOW TO A DIVERSION CANAL TO THE RIO HONDO. SUCH DIVERSIONS ARE MEASURED AT STATION F280-R, SANTA FE CHANNEL.

RECORDS AVAILABLE: RECORDER RECORDS FEBRUARY 9, 1943 TO SEPTEMBER 30, 1959. FOR MEASUREMENTS PRIOR TO FEBRUARY 9, 1943, SEE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT STAFF GAGE STATION F247-S AT ARROW HIGHWAY.

EXTREMES OF DISCHARGE:

1957-58
MAXIMUM 1210 SECOND-FEET APRIL 5, (GAGE HEIGHT 12.22 FEET).
MINIMUM NO FLOW MOST OF YEAR.
1958-59
MAXIMUM 606 SECOND-FEET FEBRUARY 24, (GAGE HEIGHT 11.54 FEET).
MINIMUM NO FLOW MOST OF YEAR.
1942-59
MAXIMUM 8000 SECOND-FEET (REVISED) JANUARY 24, 1943.
MINIMUM NO FLOW MOST OF EACH YEAR.

ACCURACY: GOOD.

COOPERATION: RECORDS FURNISHED BY CORPS OF ENGINEERS, DEPARTMENT OF THE ARMY, AND THE UNITED STATES GEOLOGICAL SURVEY, WATER RESOURCES BRANCH. THIRTEEN MEASUREMENTS FURNISHED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER

AT OR NEAR below Santa Fe Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 56

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
166	3/16	1400 / 1508	WADDICOR-GARCIA	194.	200.	1.64	11.16	329.		.6	25	0	FC51
167	3/17		U.S.G.S.	200.	157.	1.85	11.02	291.		.6	24	0	
168	3/20	0824 / 0900	ROY-BROOK	194.	214.	1.63	11.20	350.		.6	43	0	FC51
169	3/25	0840 / 0940	BROOK	194.	208.	1.59	11.19	330.		.6	44	0	FC35
170	3/27		U.S.G.S.	195.	158.	1.40	11.02	233.			26	0	
171	4/5		"	194.	300.	2.54	11.78	761.		.6	26	0	
172	4/11		"	195.	216.	1.96	11.26	424.		.6	37	0	
173	4/11	0750 / 0840	WADDICOR-MOSES	194.	207.	1.94	11.26	403.		.6	28	0	FC26
174	4/16		U.S.G.S.	195.	96.6	0.65	10.57	63.3		.5 .6	26	0	
175	4/19	1313 / 1338	ROY	194.	209.	1.69	11.21	354.		.6	25	0	FC26
176	4/23	1528 / 1600	"	194.	131.	0.94	10.75	123.		.6	46	0	FC51
177	4/23		U.S.G.S.	195.	129.	0.97	10.75	125.		.6	34	0	
178	4/29		"	194.	271.	2.40	11.50	651.		.6	26	0	
179	5/2		"	195.	237.	2.09	11.33	495.		.6	26	0	
180	5/7	0832 / 0932	ROY-MC BRIDE	194.	234.	1.96	11.34	460.		.6	44	0	FC51
181	5/14		U.S.G.S.	195.	237.	2.09	11.33	496.		.6	26	+.01	
182	5/15	0751 / 0831	ROY-BOWMAN	194.	237.	2.00	11.34	473.		.6	43	0	FC51
183	5/29	0742 / 0845	BROOK	194.	251.	2.06	11.40	516.		.6	43	0	FC35
184	5/29		U.S.G.S.	195.	253.	2.29	11.41	580.		.6	38	0	
185	6/9	1625 / 1657	HOLLERON	194.	262.	2.09	11.45	549.		.6	22	0	FC56
186	6/10		U.S.G.S.	195.	263.	2.09	11.45	550.		.6	38	0	
187	6/20		"	195	271	2.26	11.47	612.		.6	40	0	

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER

AT OR NEAR below Santa Fe Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 59

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
188	2/24	0951 / 1026	HOLLERON	194.	259.	2.15	11.48	556.		.6	21	-.01	FC56
189	2/25		U.S.G.S.	165.	142.	2.38	11.14	338.		.6	25	0	
190	2/25	1524 / 1556	HOLLERON	194.	200.	1.70	11.14	341.		.6	21	0	FC56
191	3/3	0825 / 0840	ROY-WALTER	194.	196.	1.55	11.09	304.		.5	23	0	FC51
192	3/6		U.S.G.S.	195.	173.	1.73	11.09	300.		.6	22	0	
193	3/24		"		CHANNELS		10.31	11.0		EST. .6	49	+.04	
194	3/31		"	195.	35.3	0.47	10.29	15.5		.5	21	0	

76D74M Gib 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. E281-R

Daily discharge, in second-feet of SAN GABRIEL RIVER below Santa Fe Dam, for the year ending September 30, 1958

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	547	549	0	0	0
2	0	0	0	0	0	0	0	504	549	0	0	0
3	0	0	0	0	0	0	0	481	549	0	0	0
4	0	0	0	0	0	0	306	459	549	0	0	0
5	0	0	0	0	0	0	944	459	541	0	0	0
6	0	0	0	0	0	0	901	466	549	0	0	0
7	0	0	0	0	0	0	784	439	541	0	0	0
8	0	0	0	0	0	0	837	459	549	0	0	0
9	0	0	0	0	0	0	515	466	549	0	0	0
10	0	0	0	0	0	0	258	474	549	0	0	0
11	0	0	0	0	0	0	392	481	534	0	0	0
12	0	0	0	0	0	0	367	481	557	0	0	0
13	0	0	0	0	0	0	361	488	573	0	0	0
14	0	0	0	0	0	0	205	496	573	0	0	0
15	0	0	0	0	0	0	69	474	582	0	0	0
16	0	0	0	0	0	158	63	474	590	0	0	0
17	0	0	0	0	0	285	60	474	590	0	0	0
18	0	0	0	0	0	222	236	466	598	0	91	0
19	0	0	0	0	0	265	367	466	606	0	526	0
20	0	0	0	0	0	202	355	466	606	0	590	0
21	0	0	0	0	0	94	355	466	606	0	622	0
22	0	0	0	0	0	126	294	459	502	0	639	0
23	0	0	0	0	0	371	127	459	31	0	639	0
24	0	0	0	0	0	361	297	459	0	0	432	0
25	0	0	0	0	0	330	557	446	0	0	0	0
26	0	0	0	0	0	313	565	446	0	0	0	0
27	0	0	0	0	0	264	565	439	0	0	0	0
28	0	0	0	0	0	296	565	490	0	0	0	0
29	0	0	0	0		290	622	549	0	0	0	0
30	0	0	0	0		124	648	557	0	0	0	0
31	0		0	0		0		557		0	0	
	0		0		0		11615		12422		3539	
		0		0		3701		14867		0		0
MEAN	0	0	0	0	0	119.	387.	480.	414.	0	114.	0
ACRE-FEET	0	0	0	0	0	7340.	23,040.	29,490.	24,640.	0	7,020.	0

Remarks:

YEAR OR PERIOD MEAN 126.
ACRE-FEET 91,530.

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. E281-R

Daily discharge, in second-feet of SAN GABRIEL RIVER below Santa Fe Dam, for the year ending September 30, 1959

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	285	7.7	0	0	0	0	0
2	0	0	0	0	0	302	0.4	0	0	0	0	0
3	0	0	0	0	0	302	0.4	0	0	0	0	0
4	0	0	0	0	0	290	0	0	0	0	0	0
5	0	0	0	0	0	290	0	0	0	0	0	0
6	0	0	0	0	0	302	0	0	0	0	0	0
7	0	0	0	0	0	296	0	0	0	0	0	0
8	0	0	0	0	0	302	0	0	0	0	0	0
9	0	0	0	0	0	58	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	134	0	0	0	0	0	0	0
22	0	0	0	0	110	0	0	0	0	0	0	0
23	0	0	0	0	0	135	0	0	0	0	0	0
24	0	0	0	0	284	17	0	0	0	0	0	0
25	0	0	0	0	336	13	0	0	0	0	0	0
26	0	0	0	0	342	10	0	0	0	0	0	0
27	0	0	0	0	342	10	0	0	0	0	0	0
28	0	0	0	0	330	10	0	0	0	0	0	0
29	0	0	0	0		10	0	0	0	0	0	0
30	0	0	0	0		10	0	0	0	0	0	0
31	0		0	0		10		0		0	0	
	0		0		1878		8.5		0		0	
		0		0		2652		0		0		0
MEAN	0	0	0	0	67.1	85.5	0.28	0	0	0	0	0
ACRE-FEET	0	0	0	0	3720.	5260.	17.	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 12.4
ACRE-FEET 9000.

STATION F335-R

SAN GABRIEL - N.W.C. OUTLET below San Bernardino Road

LOCATION: WATER-STAGE RECORDER, LAT. 34°04'34", LONG. 117°59'56", NEAR THE LEFT (EAST) BANK OF THE SAN GABRIEL RIVER AT THE SAN GABRIEL RIVER OUTLET FOR THE METROPOLITAN WATER DISTRICT MIDDLE FEEDER AND ABOUT 460 FEET BELOW SAN BERNARDINO ROAD AND 350 FEET WEST OF RIVER GRADE ROAD. ELEVATION OF ZERO GAGE HEIGHT APPROXIMATELY 298.9 FEET.

CHANNEL AND CONTROL: EXCAVATED PIT 120 FEET LONG X 50 FEET WIDE X 8 FEET DEEP WITH GUNITE SIDES AND TIMBER BAFFLES. CONTROL IS 20.5 FEET RECTANGULAR, SHARP CRESTED, CONTRACTED WEIR.

DISCHARGE MEASUREMENTS: WADING MEASUREMENTS USED TO DETERMINE COEFFICIENTS FOR WEIR MADE IN CHANNEL DOWNSTREAM. WEIR FORMULA IS $Q = C\,(L-0.2\,H)\,H^{3/2}$ IN WHICH "C" VARIES FROM 3.28 TO 3.58 WITH INCREASE IN VELOCITY OF APPROACH.

RECORDER: AN AU RECORDER WAS IN SERVICE FROM NOVEMBER 30, 1957 TO JANUARY 26, 1959. A STEVENS TYPE A-35 RECORDER WAS IN SERVICE FROM JANUARY 26, 1959 TO SEPTEMBER 30, 1959.

RECORDS AVAILABLE: NOVEMBER 30, 1957 TO SEPTEMBER 30, 1959.

EXTREMES OF DISCHARGE:

1957-58
MAXIMUM 226 SECOND-FEET DECEMBER 24.
MINIMUM NO FLOW PART OF YEAR.

1958-59
MAXIMUM 244 SECOND-FEET OCTOBER 24,
MINIMUM NO FLOW PART OF YEAR.

ACCURACY: EXCELLENT.

OPERATION: LOCATED, CONSTRUCTED, AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT IN COOPERATION WITH THE METROPOLITAN WATER DISTRICT. THIS STATION IS OPERATED SOLELY FOR THE PURPOSE OF MEASURING THE DELIVERY OF ZONE 1 WATER TO THE SAN GABRIEL RIVER.

MONTHLY DISCHARGE IN ACRE-FEET:

MONTH	1957-58	1958-59
OCTOBER	0	7840.
NOVEMBER	0	8120.
DECEMBER	7250.	188.
JANUARY	8570.	8640.
FEBRUARY	5410.	418.
MARCH	6740.	0
APRIL	1200.	0
MAY	0	0
JUNE	0	0
JULY	0	0
AUGUST	2040.	0
SEPTEMBER	10210.	4920.
TOTAL	41430.	30320.

DISCHARGE MEASUREMENTS OF SAN GABRIEL - N.W.C. OUTLET

AT OR NEAR San Bernardino Road DURING THE YEAR ENDING SEPTEMBER 30, 19 58

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1	12/3	1520 / 1551	WADDICOR-SARASUA	30.0	22.8	2.22	4.78	50.6		.6	32	+	FC37
2	12/3	1600 / 1617	" "	30.0	23.4	2.23	4.79	52.1		.6	19	0	"
3	12/4	0746 / 0821	WADDICOR-LINDSAY	30.0	23.0	2.26	4.79	52.0		.6	31	0	"
4	12/4	1126 / 1157	WADDICOR-SARASUA	30.9	31.3	3.26	5.28	102.		.6	31	0	"
5	12/4	1204 / 1241	SARASUA-WADDICOR	31.0	31.5	3.40	5.28	107.		.6	32	0	FC54
6	12/4	1445 / 1519	WADDICOR-SARASUA	31.5	35.7	2.84	5.27	101.		.6	33	+	FC49
7	12/4	1800 / 1832	" "	32.4	38.7	3.82	5.68	148.		.6	33	0	"
8	12/5	0754 / 0835	WADDICOR-GARCIA	33.0	40.2	3.76	5.69	151.		.6	34	0	FC37
9	12/5	1248 / 1321	" "	30.8	40.5	4.34	5.84	176.		.6	32	0	"
10	12/6	1610 / 1653	WADDICOR	33.4	28.7	2.13	4.87	60.5		.6	33	+.28	"
11	12/7	0830 / 0912	WADDICOR-FALCONE	32.0	44.9	4.05	5.85	182.		.6	34	0	"
12	12/8	1535 / 1625	SARASUA-FABBRO	34.0	41.8	4.16	5.84	174.		.6	36	0	FC54
13	12/8	1635 / 1654	FABBRO-SARASUA	34.0	43.0	4.07	5.84	175.		.6	10	0	"
14	12/10	0900 / 1005	ROY-WADDICOR	33.9	45.1	4.30	6.03	194.		.2 / .8	20	0	FC37
15	12/23	1158 / 1220	WADDICOR-BUCK	31.5	21.7	2.12	4.80	46.2		.6	22	0	"
16	12/27	0845 / 0915	ROY-STUNDEN	35.0	47.4	4.18	6.03	198.		.6	25	0	FC51
17	12/28	0916 / 0945	ROY-SARASUA	35.9	50.7	4.02	5.97	204.		.6	20	0	"
18	12/30	0820 / 0847	ROY-BUCK	25.7	49.1	4.00	5.95	196.		.6	20	0	"
19	12/31	0811 / 0837	" "	36.9	52.8	4.05	5.98	214.		.6	21	0	"
20	1/3	1557 / 1618	ROY-BOWMAN	36.5	50.9	4.24	6.00	216.		.6	21	-.01	"
21	1/6	0930 / 1011	WADDICOR-HARDIN	37.0	51.7	3.44	5.95	178.		.6	38	0	FC37
22	1/18	0745 / 0830	BROOK-ROY	33.2	22.6	2.08	4.78	47.2		.5 / .6	35	0	FC35
23	1/18	0846 / 0910	ROY-BROOK	32.4	22.5	2.08	4.78	46.9		.5 / .6	19	0	FC51
24	1/18	0920 / 0948	" "	30.1	22.4	2.17	4.78	48.8		.5 / .6	23	+.13	"
25	1/18	1215 / 1239	" "	34.7	34.2	2.93	5.25	100.		.5 / .6	20	0	"
26	1/18	1246 / 1316	BROOK-ROY	35.6	34.2	2.87	5.25	98.4		.5 / .6	25	0	"
27	1/18	1330 / 1354	" "	34.3	33.0	2.94	5.25	97.1		.5 / .6	21	0	FC35
28	1/19	1109 / 1150	ROY-WADDICOR	37.0	45.0	3.31	5.67	149.		.6	21	0	FC51
29	1/20	1329 / 1412	SARASUA	36.5	46.0	3.64	5.73	167.		.6	23	+.04	FC54

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
30	1/21	1400 / 1438	SARASUA	36.5	47.8	3.70	5.75	177.		.6	23	+.04	FC54
31	1/22	1417 / 1500	"	36.0	44.6	3.59	5.72	160.		.6	24	0	"
32	1/29	0921 / 0957	WADDICOR	35.0	26.1	2.59	5.01	67.6		.6	21	0	FC36
33	1/29	1117 / 1145	"	35.0	28.0	2.40	5.01	67.2		.6	20	0	"
34	1/30	1354 / 1418	ROY	31.8	24.7	2.78	5.02	68.6		.6	18	0	FC51
35	1/30	1418 / 1442	"	31.7	24.9	2.65	5.02	66.0		.5 / .6	18	0	"
36	1/30	1512 / 1530	"	25.6	24.2	2.80	5.02	67.7		.6	15	0	"
37	1/30	1530 / 1548	"	25.8	24.3	2.76	5.02	67.1		.6	14	0	"
38	2/7	1013 / 1047	WADDICOR	35.0	34.9	3.41	5.44	119.		.6	22	0	FC42
39	2/7	1108 / 1140	"	33.7	36.1	3.30	5.44	119.		.6	20	0	"
40	2/11	1110 / 1143	"	35.0	24.9	3.00	5.07	74.8		.6	20	0	"
41	2/18	1420 / 1442	ROY-SHUMAKER	36.0	44.3	3.77	5.79	167.		.6	20	0	FC51
42	2/18	1454 / 1513	" "	35.5	44.7	3.89	5.79	174.		.6	20	0	"
43	3/25	0858 / 0935	WADDICOR	35.1	33.8	3.11	5.25	105.		.6	21	0	FC26
44	3/25	1052 / 1120	"	34.5	34.1	2.91	5.25	99.1		.6	20	0	"
45	3/27	0803 / 0834	BROOK	31.8	32.6	3.19	5.32	104.		.6	19	0	FC35
46	8/26	0900 / 0930	WADDICOR	33.0	40.8	3.56	5.65	145.		.6	18	0	FC26
47	9/8	0830	"		WEIR		5.65	150.					
48	9/10	0810	"		"		5.65	150.					
49	9/17	1543	"		"		5.65	150.					
50	9/18	1503	"		"		5.65	150.					
51	9/22	0830	"		"		5.81	173.					
52	9/23	0830 / 0902	ROY-PETERSEN	39.5	47.8	3.37	5.81	161.		.6	22	0	FC51
53	9/23	0927 / 0947	" "	40.0	50.0	3.34	5.81	172.		.6	22	0	"
54	9/25	0840 / 0910	WADDICOR	38.0	47.6	3.80	5.96	181.		.6	21	0	FC26
55	9/25	0817	"		WEIR		5.96	196.					
56	9/27	0911	"		"		5.95	194.					
57	9/29	0822	"		"		5.95	195.					
58	9/30	0838	"		"		6.04	208.					

DISCHARGE MEASUREMENTS OF SAN GABRIEL - M.W.D. OUTLET

AT ~~NEAR~~ San Bernardino Road DURING THE YEAR ENDING SEPTEMBER 30, 1959

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
59	10/1	0845	WADDICOR	20.5	FT. WEIR		6.05	210.					
60	10/2	0830	"	"	"	"	6.05	210.					
61	10/3	0848	"	"	"	"	6.05	210.					
62	10/14	0824	"	"	"	"	5.53	133.					
63	10/16	1552	"	"	"	"	5.43	120.					
64	10/17	1609	"	"	"	"	5.03	70.3					
65	10/18	0850	"	"	"	"	5.37	111.					
66	10/24	1418	"	"	"	"	6.05	210.					
67	10/27	1000	"	"	"	"	6.07	213.					
68	10/28	0850	"	"	"	"	6.07	213.					
69	10/29	0850 / 0926	WALTER-ROY	40.0	44.9	3.99	5.88	179.		.6	22	0	FC51
70	10/30	1526	WADDICOR-WALTER	20.5	FT. WEIR		5.87	182.					
71	11/3	0854	WADDICOR	"	"	"	5.78	168.					
72	11/3	1533	"	"	"	"	5.78	168.					
73	11/5	0955	"	"	"	"	5.80	171.					
74	11/7	0758	"	"	"	"	5.80	171.					
75	11/10	0830	"	"	"	"	5.79	170.					
76	11/12	0908	"	"	"	"	5.78	168.					
77	11/14	0900	WADDICOR	20.5	FT. WEIR		5.79	170.					
78	11/17	0858	"	"	"	"	5.79	170.					
79	11/20	0840 / 0920	PETERSEN-ROY	40.0	43.4	3.52	5.79	153.		.6	22	0	FC51
80	11/20	0930 / 1005	" "	40.0	44.7	3.52	5.79	157.		.6	23	0	"

DISCHARGE MEASUREMENTS OF SAN GABRIEL - M.W.D. OUTLET

AT ~~NEAR~~ San Bernardino Road DURING THE YEAR ENDING SEPTEMBER 30, 1959

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
81	11/20	1015 / 1045	ROY-PETERSEN	40.0	47.0	3.41	5.79	160.		.6	22	0	FC51
82	11/24	1433	WADDICOR	20.5	FT. WEIR		5.38	113.					
83	1/2	1002	"	"	"	"	5.69	151.					
84	1/9	0958 / 1016	ROY-PETERSEN	40.0	42.7	3.40	5.69	145.		.6	21	0	FC37
85	1/20	0818 / 0842	RDY	40.0	46.4	3.60	5.83	167.		.6	21	0	"
86	2/2	0904	WADDICOR	20.5	FT. WEIR		5.65	144.					
87	9/18	1438 / 1502	ROY-WADDICOR	42.0	53.0	4.00	6.02	200.		.6	24	0	FC51
88	9/19	0830	WADDICOR	20.5	FT. WEIR		6.02	198.9					
89	9/22	0840	"	"	"	"	6.01	197.4					

STATION F314-R
SAN GABRIEL BY-PASS CHANNEL
above Whittier Narrows Dam

LOCATION: WATER-STAGE RECORDER ON THE LEFT (EAST) BANK OF THE CHANNEL, 500 FEET BELOW DIVERSION HEADWORKS.

CHANNEL AND CONTROL: SAND AND GRAVEL - NO ARTIFICIAL CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING; HIGH FLOWS MEASURED FROM FOOTBRIDGE AT STATION.

RECORDER: A STEVENS TYPE L RECORDER IN SERVICE DURING PERIODS OF OPERATION.

REGULATION: FLOW REGULATED AT HEADWORKS. INSTALLED TO DIVERT PORTION OF ZONE 1 WATER TO SAN GABRIEL RIVER.

ACCURACY: FAIR.

REMARKS: USED ONLY FOR ZONE 1 PURCHASED WATER DIVERTED TO SAN GABRIEL SPREADING GROUNDS. THERE WAS NO FLOW DURING THE 1958-59 SEASON.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF SAN GABRIEL BY-PASS CHANNEL

AT NEAR above Whittier Narrows Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 58

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	S. HT. CHANGE TOTAL	METER NO.
141	12/7	1023 / 1038	WADDICOR-FALCONE	18.5	30.9	3.30	1.91	102.		.6	12	0	FC37
142	12/9	1053 / 1112	FALCONE-WADDICOR	19.0	32.9	3.40	2.08	112.		.6	12	0	FC26
143	12/9	1125 / 1136	WADDICOR-FALCONE	19.0	33.6	3.39	2.08	114.		.6	13	0	"
144	12/10	1241 / 1256	ROY-WADDICOR	19.3	34.2	3.51	2.14	120.		.6	12	0	FC37
145	12/12	1258 / 1313	WADDICOR	19.2	35.3	3.80	2.18	134.		.6	14	0	"
146	12/27	1153 / 1208	ROY-LUGO	20.3	40.8	3.74	2.43	151.		.6	13	+.01	FC51
147	12/30	1150 / 1203	ROY	19.1	33.1	3.38	2.07	112.		.6	13	-.01	"
148	12/31	1335 / 1350	"	19.9	35.7	3.50	2.18	125.		.6	12	0	"
149	1/3	1437 / 1445	ROY-BOWMAN	19.4	34.6	3.58	2.15	124.		.6	13	-.01	"
150	1/7	1135 / 1150	WADDICOR-RICE	18.8	34.7	3.58	2.14	124.		.6	13	0	FC37
151	1/10	1442 / 1500	WADDICOR	19.0	36.8	3.70	2.18	136.		.6	12	0	"
152	1/13	1247 / 1305	WADDICOR-HEMPHILL	19.3	34.0	3.68	2.11	122.		.6	13	0	"
153	4/25	0900 / 0918	WADDICOR-ROY	19.5	42.6	3.95	2.49	168.		.6	13	0	FC26
154	4/26	0832 / 0854	" "	20.0	41.5	3.74	2.35	155.		.6	14	0	"
155	4/28	0916 / 0943	" "	19.3	34.1	3.57	2.05	122.		.6	14	-.005	"
156	4/29	0958 / 1014	" "	19.9	41.4	3.91	2.42	162.		.6	14	0	"
157	4/30	0846 / 0904	WADDICOR-ROY	20.2	44.1	3.97	2.51	175.		.6	14	0	FC51
158	5/2	0915 / 0934	ROY	20.0	42.2	3.86	2.43	163.		.6	13	0	FC51
159	5/5	0820 / 0834	WADDICOR-ROY	19.7	38.2	3.74	2.27	143.		.6	14	0	FC26
160	5/7	0944 / 1012	WADDICOR	20.5	46.0	4.04	2.57	186.		.6	15	0	"
161	5/9	0905 / 0930	ROY	21.0	44.7	4.06	2.60	181.		.6	12	0	FC51
162	5/14	0805 / 0825	"	20.5	45.9	4.07	2.62	187.		.6	13	0	"
163	5/16	0902 / 0922	WADDICOR-HARMON	20.5	47.4	4.16	2.70	197.		.6	12	0	FC26
164	5/21	0748 / 0806	WADDICOR-ROY	21.2	50.1	4.01	2.80	201.		.6	13	0	"
165	5/23	0800 / 0825	ROY	20.0	46.3	4.21	2.78	195.		.6	13	0	FC51
166	5/26	1010 / 1035	"	20.5	45.1	4.07	2.72	183.		.6	13	0	"
167	5/29	1003 / 1020	BROOK-ROY	20.5	44.1	3.94	2.60	174.		.6	13	0	"
168	6/11	1105 / 1125	ROY	19.0	33.8	3.82	2.17	129.		.6	12	0	"
169	6/19	1500 / 1520	"	19.0	36.0	3.69	2.31	133.		.6	11	0	"
170	8/20	1508 / 1520	ROY-WALTON	20.7	49.6	3.94	2.92	195.		.6	13	0	FC26
171	8/22	0820 / 0840	ROY-CLARK	24.2	68.4	3.47	3.77	237.		.6	14	0	"
172	8/23	1055 / 1118	WOOD-ROY	23.0	70.4	3.52	3.78	247.		.6	15	0	FC57
173	8/23	1125 / 1145	ROY-WOOD	23.0	67.6	3.74	3.78	253.		.6	13	0	"

76D74M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No: F314-R

Daily discharge, in second-feet of SAN GABRIEL BY-PASS CHANNEL above Whittier Narrows Dam for the year ending September 30, 1958

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	120	0	0	0	173	174	0	0	0
2	0	0	0	121	0	0	0	158	178	0	0	0
3	0	0	0	122	0	0	0	150	168	0	0	0
4	0	0	0	122	0	0	0	146	139	0	0	0
5	0	0	96	125	0	0	0	144	129	0	0	0
6	0	0	0	126	0	0	0	162	129	0	0	0
7	0	0	96	125	0	0	0	186	129	0	0	0
8	0	0	111	127	0	0	0	185	128	0	0	0
9	0	0	122	131	0	0	0	184	127	0	0	0
10	0	0	123	134	0	0	0	184	127	0	0	0
11	0	0	126	127	0	0	0	184	122	0	0	0
12	0	0	134	123	0	0	0	184	127	0	0	0
13	0	0	135	123	0	0	0	184	134	0	0	0
14	0	0	130	90	0	0	0	184	129	0	0	0
15	0	0	55	0.3	0	0	0	192	131	0	0	0
16	0	0	0	0	0	0	0	199	128	0	0	0
17	0	0	0	0	0	0	0	199	128	0	0	0
18	0	0	0	0	0	0	0	199	129	0	0	0
19	0	0	0	0	0	0	0	199	132	0	20	0
20	0	0	0	0	0	0	0	203	128	0	181	0
21	0	0	0	0	0	0	0	202	126	0	242	0
22	0	0	0	0	0	0	0	203	122	0	252	0
23	0	0	4.4	0	0	0	0	197	32	0	248	0
24	0	0	130	0	0	0	.17	195	0	0	224	0
25	0	0	146	0	0	0	157	190	0	0	44	0
26	0	0	152	0	0	0	144	187	0	0	0	0
27	0	0	152	0	0	0	127	189	0	0	0	0
28	0	0	156	0	0	0	132	174	0	0	0	0
29	0	0	158	0		0	168	174	0	0	0	0
30	0	0	136	0		0	184	178	0	0	0	0
31	0		133	0		0		176		0	0	
	0		2295.4		0		929		2996		1211	
		0		17213		0		5664		0		0
MEAN	0	0	74.0	55.5	0	0	31.0	183.	100.	0	39.1	0
ACRE-FEET	0	0	4550.	3410.	0	0	1840.	11,200	5940.	0	2400.	0

Remarks:

YEAR OR PERIOD MEAN 40.6
ACRE-FEET 29,400.

STATION F263B-R
SAN GABRIEL RIVER at Beverly Boulevard

LOCATION: WATER-STAGE RECORDER, LAT. 34°00'25", LONG. 118°04'05", ON THE DOWNSTREAM SIDE OF THE BEVERLY BOULEVARD BRIDGE, 0.8 MILE NORTHEAST OF PICO. ELEVATION OF ZERO GAGE HEIGHT, 172.50 FEET, U.S.G.S. DATUM.

DRAINAGE AREA: 206.5 SQUARE MILES (EXCLUSIVE OF DRAINAGE AREA ABOVE SANTA FE DAM).

CHANNEL AND CONTROL: CHANNEL - SAND AND SILT, NO CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING; HIGH FLOWS MEASURED FROM CABLE CAR 600 FEET BELOW STATION.

RECORDER: A STEVENS TYPE A-35B RECORDER IN SERVICE FROM OCTOBER 1, 1957 TO SEPTEMBER 30, 1959.

REGULATION: FLOW PARTIALLY REGULATED BY COGSWELL DAM, SAN GABRIEL DAM, MORRIS DAM, SANTA FE DAM, BIG DALTON DAM, PUDDINGSTONE DIVERSION DAM, PUDDINGSTONE DAM, LIVE OAK DAM, THOMPSON CREEK DAM, AND WHITTIER NARROWS DAM.

DIVERSIONS: THERE ARE SEVERAL DIVERSIONS FOR IRRIGATION, POWER DEVELOPMENT AND SPREADING.

RECORDS AVAILABLE: FEBRUARY 4, 1937 TO SEPTEMBER 30, 1959. (FOR RECORDS PRIOR TO FEBRUARY 4, 1937, SEE STATION F63-R, SAN GABRIEL RIVER AT WHITTIER BOULEVARD IN PREVIOUS REPORTS. FOR RECORDS PRIOR TO 1929, SEE STATE DIVISION OF WATER RIGHTS BULLETINS V AND VI.)

REMARKS: ZONE 1 WATER WAS DELIVERED TO SAN GABRIEL AND RIO HONDO SPREADING BASINS. 27870 ACRE-FEET IS INCLUDED IN THIS RECORD DURING 1957-58 AND 23,200 ACRE-FEET DURING 1958-59. THIS IS FOREIGN WATER.

EXTREMES OF DISCHARGE:
1957-58
MAXIMUM 6890 SECOND-FEET APRIL 7.
MINIMUM NO FLOW PART OF YEAR.
1958-59
MAXIMUM 3870 SECOND-FEET JANUARY 6.
MINIMUM NO FLOW PART OF YEAR.
1936-59
MAXIMUM 22,000 SECOND-FEET ESTIMATED MARCH 2, 1938.
MINIMUM NO FLOW AT VARIOUS TIMES (FOR EARLIER YEARS SEE STATION F63-R).

ACCURACY: FAIR.

REVISIONS: THE MAXIMUM DISCHARGE FOR THE WATER YEAR 1928-29 HAS BEEN REVISED TO 397 SECOND-FEET ON MARCH 10, 1929; THAT FOR 1929-30 TO 1020 SECOND-FEET ON JANUARY 11, 1930; AND THAT FOR 1940-41 TO 6070 SECOND-FEET ON MARCH 4, 1941.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT IN COOPERATION WITH THE UNITED STATES GEOLOGICAL SURVEY, WATER RESOURCES BRANCH.

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER

AT ~~NEAR~~ Beverly Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 19~~56~~58

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
206	10/14	0905 / 0920	WADDICOR-FALCONE	CHANNELS			6.55	26.6		.6	20	0	FC37
207	11/3	1303 / 1313	FALCONE-ROY	14.0	4.22	1.47	6.54	6.2		.6	11	0	FC51
208	12/6	0922 / 0938	WADDICOR	24.2	9.50	0.95	6.62	9.0		.6	14	0	FC37
209	12/7	1300 / 1325	"	54.0	42.6	1.92	7.02	82.0		.6	18	0	"
210	12/9	1308 / 1339	FALCONE-WADDICOR	59.5	44.2	2.21	7.02	97.8		.6	32	0	FC26
211	12/10	1357 / 1425	ROY-WADDICOR	58.9	49.6	2.26	7.10	112.		.6	22	0	FC37
212	12/15	1210 / 1230	WADDICOR-GARCIA	217.	320.	4.72	8.38	1510.		.6	13	+.60	"
213	12/16	1520 / 1535	" "	CHANNELS			7.89	485.		.6	19	+.14	"
214	12/17	0342 / 0400	" "	240.	445.	5.48	8.82	2440.		.6	14	+.35	"
215	12/17	1520 / 1532	" "	39.0	32.2	1.49	6.84	48.1		.6	15	0	"
216	12/26	1400 / 1442	ROY	50.0	57.0	2.28	7.38	130.		.6	27	0	FC51
217	12/31	1115 / 1145	"	40.5	48.0	1.98	7.29	103.		.6	22	-.01	"
218	1/3	1158 / 1225	ROY-BOWMAN	39.8	43.8	2.31	7.34	101.		.6	23	+.02	"
219	1/7	1445 / 1515	WADDICOR	52.5	48.2	2.36	7.40	114.		.6	21	0	FC37
220	1/21	0841 / 0916	ROY	51.0	36.0	2.28	7.37	82.0		.6	27	-.02	FC51
221	1/25	1015 / 1035	WADDICOR	48.8	34.7	1.78	7.31	61.7		.6	18	0	FC36
222	1/26	0107 / 0128	WADDICOR-GARCIA	195.	190.	4.23	8.12	801.		.6	15	0	"
223	1/26	1018 / 1045	" "	202.	211.	4.02	8.12	848.		.6	16	-.07	"
224	1/27	1600 / 1610	" "	8.6	2.82	1.42	6.92	4.0		.6	8	0	"
225	1/28	1135 / 1155	WADDICOR	62.2	47.9	2.05	7.37	98.6		.6	18	0	"
226	1/29	1547 / 1607	"	38.5	25.8	1.68	7.05	43.2		.6	16	0	"
227	2/3	0856 / 0911	WADDICOR-GARCIA	65.	62.2	2.98	7.61	185.		.6	16	-.02	FC42
228	2/4	0009 / 0025	" "	200.	156.	3.56	8.06	556.		.6	15	+.49	"
229	2/4	1008 / 1027	WADDICOR-GARCIA	212.	318.	5.34	8.63	1700.		.6	16	.18	FC42
230	2/5	1057 / 1118	" "	CHANNELS			7.18	26.0		.6	22	0	"
231	2/11	1420 / 1447	WADDICOR		"		7.27	42.1		.6	23	0	"
232	2/14	0824 / 0851	WADDICOR-ROY		"		7.17	41.3		.6	23	0	"
233	2/19	0840 / 0900	ROY-GARCIA		"		8.26	951.		.5 .6	24	-.04	"
234	2/19	1312 / 1335	" "		"		8.57	1990.		.6	23	+.45	FC52
235	2/19	1836 / 1853	" "	206.	220.	4.20	8.03	923.		.5 .6	17	-.20	FC51
236	2/20	1242 / 1252	" "	20.5	7.92	1.49	7.08	11.8		.6	13	0	"
237	2/25	0748 / 0812	WADDICOR-GARCIA	210.	3.27	6.04	8.98	1970.		.6	15	+.05	"
238	2/26	1553 / 1604	" "	13.7	3.92	1.40	6.93	5.5		.5 .6	9	0	"
239	3/5	1115 / 1145	WADDICOR	80.0	39.4	3.02	7.42	119.		.6	19	0	"
240	3/6	1440 / 1453	WADDICOR-GARCIA	85.0	91.2	2.54	7.55	251.		.6	11	0	"
241	3/6	1547 / 1606	" "	135.0	137.	2.51	7.70	342.		.6	15	+.11	"
242	3/7	1625 / 1638	" "	27.5	14.6	1.33	7.15	19.4		.6	15	-.01	"
243	3/16	1029 / 1045	" "	131.0	147.	4.73	7.94	701.		.6	12	-.17	"
244	3/17	0700 / 0715	WADDICOR	29.5	14.5	1.46	7.34	21.1		.6	12	0	"
245	3/20	1745 / 1755	WADDICOR-GARCIA	42.5	51.9	2.53	7.29	131.		.6	11	0	FC26
246	3/20	2255 / 2318	" "	187.0	236.	4.40	8.08	1040.		.6	13	+.07	"
247	3/22	0220 / 0241	" "	185.0	191.	3.72	7.84	712.		.6	12	+.73	"
248	3/22	0325 / 0345	" "	210.	361.	5.48	8.68	1980		.6	13	0	"
249	3/22	0905 / 0918	" "	135.0	126.	3.89	7.64	490.		.6	10	-.16	"
250	3/25	1520 / 1544	WADDICOR	86.0	78.6	2.40	7.35	189.		.5 .6	21	0	"
251	3/27	1320 / 1337	WADDICOR-GARCIA	20.5	308.	4.74	8.46	1460.		.6	14	-.10	"

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER

AT NEAR Beverly Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 19 59

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
252	3/27	1350 / 1412	WADDICOR-GARCIA	208.	344.	5.03	8.45	1730.		.6	15	-.10	FC42
253	3/27	1751 / 1802	" "	157.0	155.	4.04	7.78	627.		.6	11	0	"
254	3/28	0842 / 0857	" "	47.0	32.0	1.95	7.25	62.5		.6	15	0	"
255	4/2	0952 / 1005	" "	32.0	30.4	2.65	7.11	80.6		.6	11	0	"
256	4/3	0855 / 0923	" "	238.	540.	7.79	9.32	4200.		.6	15	+.73	"
257	4/5	1050 / 1110	" "	137.0	134.	3.12	7.39	419.		.6	12	0	"
258	4/5	1800 / 1826	" "	135.0	167.	3.80	7.62	635.		.6	13	+.07	"
259	4/6	1050 / 1107	" "	157.0	208.	5.28	8.06	1100.		.6	13	+.04	"
260	4/6	1530 / 1550	" "	173.0	225.	5.51	8.15	1240		.6	14	-.20	"
261	4/7	0919 / 0940	" "	225.	419.	7.83	9.27	3280		.6	13	-.25	"
262	4/7	1147 / 1215	" "	265.	716.	9.48	10.25	6790.		.6	15	0	"
263	4/8	0838 / 0851	" "	142.0	157.	5.22	7.77	820.		.6	12	0	"
264	4/9	0900 / 0922	WADDICOR	147.0	162.	4.88	7.52	792.		.6	13	+.02	"
265	4/10	0750 / 0820	"	88.0	71.2	3.05	7.35	217.		.6	20	0	"
266	4/11	1422 / 1444	WADDICOR-MOSES	91.0	90.6	2.32	7.35	211.		.6	22	0	"
267	4/15	0720 / 0738	WADDICOR	51.0	90.8	1.63	7.18	148.		.6	14	0	"
268	4/17	1015 / 1053	ROY		CHANNELS		7.14	138.	.5 / .6	33	+.03	FC51	
269	4/19	1040 / 1112	"		"		7.33	244.		.6	30	+.02	FC26
270	4/21	1040 / 1125	"		"		7.30	190.		.6	36	0	"
271	4/23	1310 / 1320	"		"		6.66	24.6	.5 / .6	16	0	FC51	
272	5/1	1412 / 1437	WADDICOR	93.0	75.4	1.55	7.26	117.		.6	20	0	FC26
273	5/15	1425 / 1500	BOWMAN-ROY		CHANNELS		7.26	171.		.6	33	-.10	FC51
274	5/29	1130 / 1150	ROY-BROOK	96.0	67.2	2.20	7.29	148.		.6	20	0	"
275	6/5	1150 / 1200	WADDICOR	62.0	93.8	1.20	7.18	112.		.6	14	0	FC26
276	6/11	0815 / 0940	ROY	86.5	54.4	2.00	7.17	109.		.6	21	0	FC51
277	6/19	1600 / 1630	"		CHANNELS		7.21	122.	.5 / .6	30	+.02	"	
278	6/26	1720 / 1730	WADDICOR	18.5	13.0	1.12	6.42	14.6		.6	11	0	FC26
279	8/20	1627 / 1648	ROY-WALTON	118.0	93.6	1.93	7.34	180.		.6	21	-.02	"
280	8/23	1225 / 1243	WOOD-ROY	90.0	98.4	2.44	7.49	239.		.6	14	+.02	FC57
281	8/28	1430 / 1447	WADDICOR	46.0	31.2	3.50	7.18	109.		.6	13	0	FC26
282	9/3	1310 / 1332	"	93.0	61.3	1.80	7.20	110.		.6	15	0	"
283	9/18	1300 / 1325	"	TWO CHANNELS			7.17	101.		.6	22	0	"
284	9/23	1245 / 1306	ROY-PETERSEN	89.0	73.1	1.82	7.26	133.		.6	20	0	FC51
285	10/9	1525 / 1600	ROY	120.0	97.2	1.77	7.31	172.		.6	15	0	FC51
286	10/16	1030 / 1100	"	89.0	55.5	1.53	7.12	84.0		.6	21	0	"
287	10/30	1245 / 1305	WADDICOR-WALTER	95.0	78.8	1.87	7.25	147.		.6	15	0	FC26
288	11/6	1325 / 1345	WADDICOR	96.0	70.7	1.95	7.28	138.		.6	15	0	"
289	11/20	1440 / 1545	ROY-PETERSEN		CHANNELS		7.25	130.		.6	48	+.02	FC51
290	11/26	1322 / 1335	WADDICOR		"		6.46	6.0		.6	13	0	FC52
291	12/11	1250 / 1300	"	5.5	0.78	0.82	6.42	0.64		.5	7	0	"
292	1/6	0650 / 0714	WADDICOR-FALCONE	205.0	516.	7.58	9.36	3910.		.6	13	0	FC37
293	1/6	1427 / 1450	" "	55.0	79.5	3.11	7.38	248.		.6	12	+.04	"
294	1/7	1256 / 1316	ROY-GARCIA		CHANNELS		6.58	30.0		.6	27	0	FC51
295	1/9	1255 / 1312	ROY-PETERSEN	71.0	60.2	2.31	7.09	139.		.6	25	-.01	FC37
296	1/14	1020 / 1042	ROY		CHANNELS		7.27	180.		.6	26	+.02	"
297	1/20	1340 / 1412	"		"		7.31	158.		.6	28	0	"
298	1/28	1530 / 1610	"		"		7.24	132.		.6	30	0	FC51
299	2/5	1430 / 1453	WADDICOR	52.2	14.8	1.06	6.70	15.7		.6	15	0	FC37
300	2/9	1512 / 1530	WADDICOR-GARCIA		CHANNELS		6.74	22.0		.6	20	0	"
301	2/11	0705 / 0728	WADDICOR-FALCONE	170.0	180.	3.94	7.95	710.		.6	16	-.10	"
302	2/11	0742 / 0758	FALCONE-WADDICOR	170.0	190.	4.02	7.96	762.		.6	14	-.08	"
303	2/11	0838 / 0910	" "	205.0	315.	6.23	8.72	1960.		.6	17	-.45	"
304	2/12	1030 / 1040	WADDICOR-FALCONE	41.0	38.8	1.98	6.92	77.4	.5 / .6	15	0	"	
305	2/16	0908 / 0918	ROY-PETERSEN	135.0	158.	2.39	7.58	378.		.6	9	0	FC51
306	2/16	1510 / 1526	WADDICOR	140.0	163.	6.69	8.00	1090.		.6	11	+.15	FC37
307	2/17	1258 / 1312	WADDICOR-STEWART	45.0	22.5	1.66	6.61	37.4		.6	14	-.01	"
308	2/19	1306 / 1326	WADDICOR	25.0	14.2	1.76	6.53	25.0		.6	13	0	"
309	2/21	1346 / 1358	WADDICOR-FALCONE	23.0	22.1	2.09	6.86	46.2		.6	14	+.21	"
310	2/21	1718 / 1738	" "	65.0	61.0	2.60	7.30	159.		.6	14	-.08	"
311	2/22	1200 / 1211	" "	32.5	20.1	1.46	6.61	29.5		.6	13	0	"
312	2/25	1420 / 1432	ROY-WADDICOR	50.0	85.9	2.22	7.28	191.		.6	12	0	"
313	3/2	1220 / 1240	ROY		CHANNELS		7.22	152.		.6	20	0	FC51
314	3/3	1514 / 1532	ROY-WALTER	74.0	73.7	2.05	7.22	151.		.6	21	0	"
315	3/9	1548 / 1600	ROY	44.0	20.4	1.50	6.59	30.5	.5 / .6	16	-.03	"	
316	3/12	1306 / 1325	WADDICOR	25.5	7.05	1.25	6.41	8.8		.6	14	0	FC52
317	3/19	1352 / 1405	"	11.5	4.22	1.35	6.40	5.7		.6	12	0	"
318	3/26	1540 / 1550	"		CHANNELS		6.41	3.8	.5 / .6	15	0	"	
319	9/24	1315 / 1345	ROY	64.0	60.6	2.16	7.23	131.		.6	24	+.02	FC51
320	9/29	0925 / 0945	"	51.0	27.4	1.67	6.86	45.8	.5 / .6	21	-.02	"	

FORM Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F263B-R

Daily discharge, in second-feet of SAN GABRIEL RIVER at Beverly Boulevard, for the year ending September 30, 19 58

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	106	e 37	139	1440	e 174	a 164	b 1.0	0	e 105
2	0	0	0	106	30	e 135	153	156	162	0	0	e 112
3	0	13	0	102	271	139	1040	147	155	0	0	e 112
4	0	0	0	e 108	1510	130	e 110	143	a 130	0	0	114
5	0	0	144	106	71	125	435	129	112	0	0	e 114
6	0	0	28	102	40	196	1090	151	a 112	0	0	e 116
7	0	0	73	e 108	43	63	2210	172	a 113	0	0	102
8	0	0	87	110	43	144	860	173	a 113	0	0	91
9	0	0	114	110	41	139	432	173	114	0	0	98
10	0	0	117	110	41	149	138	170	114	0	0	e 105
11	61	0	110	110	b 36	117	190	166	114	0	0	e 108
12	23	0	106	102	39	e 180	200	e 160	117	0	0	110
13	0	0	106	102	36	130	184	159	125	0	0	110
14	29	0	95	83	b 47	125	159	159	121	0	0	117
15	0	0	493	+	e 75	237	154	154	117	0	0	e 110
16	0	0	174	0	e 75	1310	135	173	117	0	0	110
17	0	0	449	0	76	b 10	b 130	a 177	114	0	0	106
18	0	0	0	0	95	b 60	118	177	110	0	0	102
19	0	0	0	89	1220	b105	240	177	121	0	18	114
20	0	0	0	98	59	184	228	178	121	0	178	125
21	0	0	0	102	144	190	195	181	130	0	206	130
22	0	0	0	106	144	589	130	181	121	0	212	130
23	0	0	e 20	102	135	b 40	44	180	55	0	222	139
24	0	0	100	87	125	b120	22	180	b 18	0	202	149
25	0	0	125	102	377	190	e 134	180	16	0	76	163
26	0	0	a134	525	25	195	134	180	15	0	106	168
27	0	0	e126	b 20	e125	416	112	180	13	0	95	163
28	0	0	e140	b 75	e128	b 70	119	165	10	0	98	144
29	0	0	b142	b 40		149	154	154	8.0	0	102	149
30	0	0	b142	e 38		101	e 174	158	b 4.0	0	e 105	168
31	0		e121	e 37		57		a 166		0	e 108	
	66.2		3146.		5088		10864.		2856.0		1728	
		130		2886		5934		5173		1.0		3684
MEAN	2.14	0.43	102.	93.1	182.	191.	362.	167.	95.2	0.03	55.7	123.
ACRE-FEET	131.	26.	6240.	5720.	10,090.	11,770.	21,550.	10,260.	5,660.	2.0	3430.	7310.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 114.
ACRE-FEET 82,190.

FSDT4M Clib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

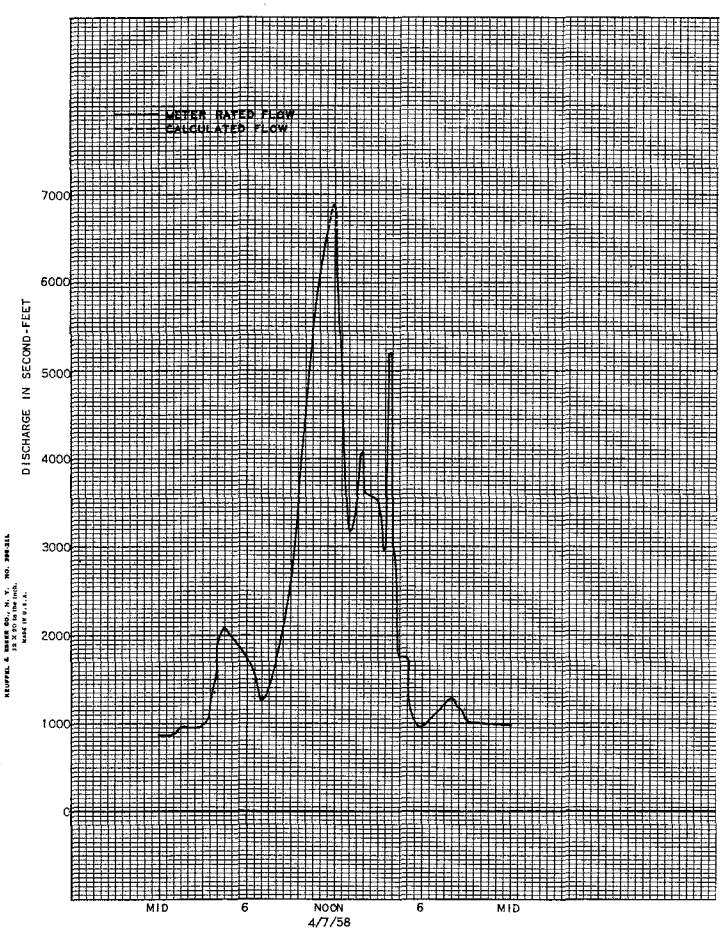
Sta. No. F263B-R

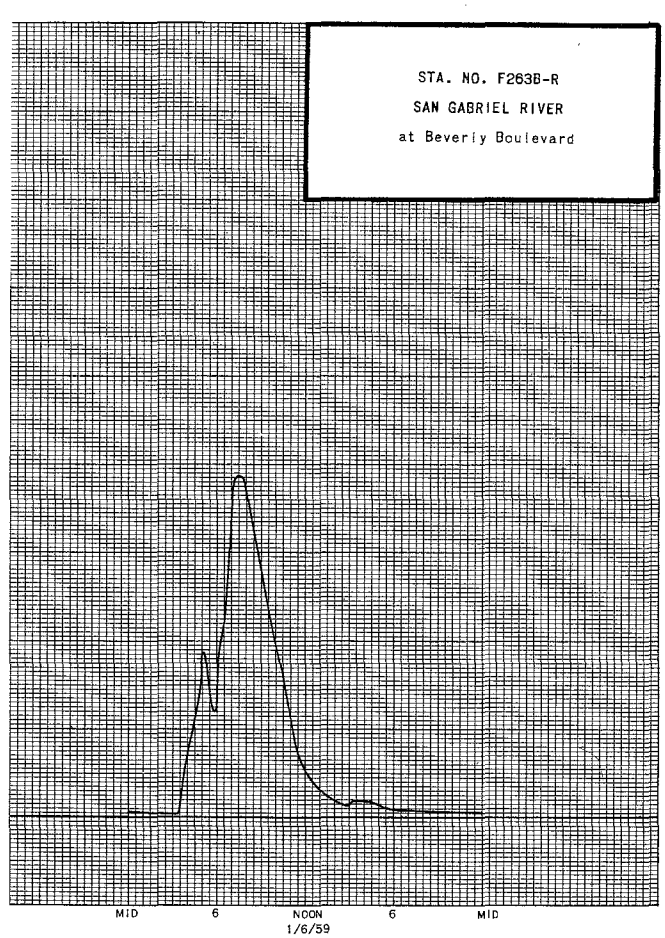
Daily discharge, in second-feet of SAN GABRIEL RIVER at Beverly Boulevard for the year ending September 30, 1959

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	184	139	3.5	98	149	159	2.8	0	0	0	0	0
2	190	139	3.5	110	98	168	1.7	0	0	0	0	0
3	135	130	3.2	117	16	163	b 0.3	0	0	0	0	0
4	53	135	3.0	117	16	163	0.1	0	0	0	0	0
5	32	130	2.5	106	16	159	0.3	0	0	0	0	0
6	51	139	2.2	777	16	200	0.2	0	0	0	0	0
7	125	135	2.0	32	17	190	b 0.1	0	0	0	0	0
8	149	139	1.7	55	122	168	0	0	0	0	0	0
9	159	135	1.7	135	25	114	0	0	0	0	0	0
10	153	139	1.0	159	23	b 20	0	0	0	0	0	0
11	95	130	0.7	178	345	b 12	0	0	0	0	0	0
12	95	139	+	163	100	8.0	0	0	0	0	0	0
13	95	135	0.7	43	26	7.5	0	0	0	0	0	0
14	95	135	+	178	19	6.3	0	0	0	0	0	0
15	91	135	+	190	22	6.6	0	0	0	0	0	0
16	81	139	0	195	540	6.0	0	0	0	0	0	0
17	48	139	0	168	101	6.3	0	0	0	0	0	0
18	52	135	0	154	29	5.7	0	0	0	0	0	0
19	0	139	0	159	b 25	5.4	0	0	0	0	0	8.8
20	0	130	0	149	b 24	4.8	0	0	0	0	0	41
21	0	130	+	154	31	4.5	0	0	0	0	0	65
22	0	139	+	149	31	4.5	0	0	0	0	0	79
23	0	139	0.3	154	26	4.8	0	0	0	0	0	106
24	35	131	0	168	33	6.0	0	0	0	0	0	117
25	190	89	+	159	200	4.2	0.5	0	0	0	0	110
26	190	6.0	0.7	130	212	3.8	126	0	0	0	0	114
27	178	5.4	+	130	228	3.2	2.5	0	0	0	0	121
28	178	5.1	+	135	212	3.0	0.4	0	0	0	0	92
29	159	4.0	+	135		3.0	0	0	0	0	0	77
30	154	4.0	0	144		2.8	0	0	0	0	0	130
31	144		22	144		2.5		0		0	0	
	3111		48.7		2752		134.9		0		0	
		3368.5		4885		1614.9		0		0		1060.8
MEAN	100.	112.	1.57	158.	98.3	52.1	4.50	0	0	0	0	35.4
ACRE-FEET	6170.	6680.	97.	9690.	5460.	3200.	268.	0	0	0	0	2100.

Remarks:

YEAR OR PERIOD MEAN 46.5
ACRE-FEET 33660.





STATION F262-R
SAN GABRIEL RIVER at Florence Avenue

LOCATION: WATER-STAGE RECORDER, LAT. 33°56'20", LONG. 118°06'00", ON THE DOWNSTREAM SIDE OF THE FLORENCE AVENUE (FORMERLY EASY STREET) BRIDGE ABOUT TWO MILES EAST OF DOWNEY, ELEVATION OF ZERO GAGE HEIGHT, 102.01. (PUBLISHED IN ERROR AS 105.00 1951 TO 1957 INCLUSIVE).

DRAINAGE AREA: 215 SQUARE MILES (EXCLUSIVE OF AREA ABOVE SANTA FE DAM).

CHANNEL AND CONTROL: SHIFTING SAND BOTTOM - TRAPEZOIDAL CHANNEL WITH BLACK-TOPPED EARTHEN LEVEES. NO ARTIFICIAL CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM UPSTREAM SIDE OF FLORENCE AVENUE BRIDGE.

RECORDER: AN AU RECORDER WAS IN SERVICE FROM OCTOBER 1, 1957 TO SEPTEMBER 30, 1959.

REGULATION: FLOW PARTIALLY REGULATED BY COGSWELL DAM, SAN GABRIEL DAM, MORRIS DAM, SANTA FE DAM, BIG DALTON DAM, SAN DIMAS DAM, PUDDINGSTONE DIVERSION DAM, PUDDINGSTONE DAM, LIVE OAK DAM, THOMPSON CREEK DAM, AND WHITTIER NARROWS DAM.

DIVERSIONS: THERE ARE SEVERAL DIVERSIONS FOR IRRIGATION, POWER DEVELOPMENT AND SPREADING. VARIABLE QUANTITIES OF IRRIGATION WASTE RETURNS ARE RECORDED AT THE STATION.

RECORDS AVAILABLE: FEBRUARY 27, 1937 TO MARCH 22, 1949, RECORDER RECORD LOST FROM AUGUST 19, 1938 TO NOVEMBER 23, 1938 DUE TO THEFT OF RECORDER. FOR EARLIER RECORDS SEE STATION F237-R SAN GABRIEL RIVER AT TELEGRAPH ROAD. RECORDER OUT MARCH 22, 1949 TO JANUARY 26, 1951. AVAILABLE FROM JANUARY 26, 1951 TO SEPTEMBER 30, 1959.

EXTREMES OF DISCHARGE:
1957-58
MAXIMUM 6300 SECOND-FEET APRIL 7.
MINIMUM NO FLOW MOST OF YEAR.
1958-59
MAXIMUM 4060 SECOND-FEET JANUARY 6.
MINIMUM NO FLOW MOST OF YEAR.
1937-59
MAXIMUM NOT DETERMINED MARCH 2, 1938.
MAXIMUM DISCHARGE OF RECORD, 15,960 SECOND-FEET, FEBRUARY 22, 1944.
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: FAIR.

OPERATION: LOCATED AND CONSTRUCTED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT AND OPERATED IN COOPERATION WITH THE SAN GABRIEL VALLEY PROTECTIVE ASSOCIATION.

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER

AT NEAR Florence Avenue DURING THE YEAR ENDING SEPTEMBER 30, 19 56

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
470	12/15	1312 / 1320	ROY-ROBINSON	131.0	160.	5.20	8.16	833.		.6 SURF	8	+.17	FC51
471	12/15	1400 / 1425	" "	160.0	256.	6.52	8.63	1670.		.6	9	-.06	"
472	12/16	1002 / 1010	BONADIMAN	6.2	1.87	0.75	6.32	1.4		.5	5	0	FC46
473	12/16	1238 / 1252	ROY-ROBINSON		CHANNELS		7.42	175.		.6	16	+.16	FC51
474	12/16	1322 / 1338	" "	109.0	85.5	2.10	7.52	180.		.6	20	-.03	"
475	12/16	1737 / 1752	BROOK-BONADIMAN	109.0	107.	4.10	7.86	440.		.6	12	+.06	FC46
476	12/17	1037 / 1050	" "	93.0	113.	2.68	7.62	302.		.6	11	-.05	FC19
477	12/17	1408 / 1421	ROY		CHANNELS		7.16	47.0		.6	10	-.05	FC51
478	1/26	0803 / 0812	BROOK-BONADIMAN	55.0	89.0	6.11	7.86	544.		.6	7	+.09	FC19
479	1/26	1440 / 1450	" "	58.0	85.2	2.34	7.68	199.		.6	7	-.02	"
480	2/3	1415 / 1425	BONADIMAN-MOSES	46.0	28.0	1.50	7.18	42.0		.6	7	-.02	"
481	2/4	0240 / 0255	BROOK-FEIKER	211.0	320.	5.09	9.17	1630.		.6	12	-.15	FC35
482	2/4	0523 / 0535	BONADIMAN-MOSES	172.0	379.	6.67	9.38	2530.		.6	9	-.05	FC19
483	2/4	1113 / 1125	BROOK-FEIKER	160.0	248.	6.01	8.45	1490.		.6	11	+.10	FC35
484	2/4	1320 / 1339	" "	165.0	285.	6.11	8.88	1740.		.6	12	-.06	"
485	2/5	1018 / 1020	BONADIMAN-BROOK	3.0	0.80	1.75	6.00	1.4		.6	4	0	FC19
486	2/19	1520 / 1536	BROOK-BONADIMAN	207.0	419.	7.85	9.58	3290.		.6	12	+.12	FC46
487	2/20	0910 / 0915	BONADIMAN	2.0	0.19	0.57	6.60	0.11		.6	5	0	FC61
488	2/25	0858 / 0912	ROY-FEIKER		CHANNELS		8.90	1910		.6	14	0	FC26
489	2/25	1252 / 1302	" "	143.0	196.	3.96	7.99	776.		.6	10	-.04	"
490	2/25	1602 / 1612	BROOK-BONADIMAN		CHANNELS		7.36	231.		.6	12	-.04	FC19
491	3/7	0932 / 0936	BONADIMAN	2.5	0.42	1.21	6.38	0.51		.6	4	0	FC61
492	3/16	0052 / 0105	BROOK-BONADIMAN	150.0	277.	6.57	8.64	1820.		.6	11	-.08	FC19
493	3/16	0600 / 0615	ROY-FENGLER	206.0	512.	6.00	9.55	3070.		.6	13	+.10	FC26
494	3/21	0152 / 0210	BROOK-BONADIMAN	243.0	146.	4.75	7.53	693.		.6	17	+.02	FC19
495	3/21	1025 / 1047	" "	54.0	28.8	1.68	6.81	48.5		.6	20	-.03	"
496	3/22	0536 / 0554	" "	165.0	307.	6.32	8.65	1940.		.6	13	+.12	"
497	3/22	1421 / 1437	" "	44.0	45.0	1.81	6.97	81.6		.6	19	-.02	"
498	3/27	1436 / 1445	ROY-FEIKER	120.0	87.6	2.58	7.18	226.		SURF .6	9	+.09	FC51
499	3/27	1510 / 1523	" "	163.0	280.	4.64	8.39	1300.		.6	11	-.62	"
500	3/27	1704 / 1715	" "	145.0	189.	4.43	7.70	837.		.6	10	0	"
501	3/27	1921 / 1940	BROOK-BONADIMAN	137.0	126.	3.81	7.36	480.		SURF .6	17	-.03	FC19
502	3/28	0910 / 0921	BONADIMAN	12.0	3.86	1.50	6.38	5.8		.6	8	0	FC61
503	4/1	0820 / 0928	ROY-FEIKER	170.0	339.	5.19	8.85	1760.		.6	9	+.20	FC51
504	4/1	1204 / 1218	" "		CHANNELS		8.95	2160.		.6	13	-.24	"
505	4/1	1519 / 1527	" "		"		8.98	2410.		.6	13	0	"
506	4/2	0810 / 0922	BONADIMAN	34.0	38.0	1.70	6.57	64.8		.6	10	0	FC19
507	4/3	1723 / 1737	BROOK-BONADIMAN	104.0	114.	4.70	7.12	536.		.6	16	-.02	"
508	4/4	1006 / 1025	BONADIMAN	33.0	27.4	2.93	6.90	80.4		.6	11	0	"
509	4/5	0902 / 0920	BROOK-BONADIMAN	122.0	75.7	2.77	7.12	210.		.6	16	+.03	"
510	4/6	2022 / 2035	" "	144.0	162.	3.33	7.63	539.		SURF .6	14	+.09	"
511	4/7	0934 / 0948	" "	154.0	317.	7.35	8.65	2330.		.6	12	-.15 +.20	"
512	4/8	0812 / 0827	" "	145.0	170.	3.63	7.63	618.		SURF .6	13	0	"
513	4/8	1630 / 1646	" "	146.0	207.	3.49	7.80	722.		.6	13	0	"
514	4/9	0920 / 0938	BONADIMAN	143.0	149.	3.24	7.74	483.		.6	16	+.09	FC19 FC46
515	4/10	0820 / 0835	"	45.0	32.8	2.14	7.16	70.3		.6	13	0	FC19

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER

AT NEAR Florence Avenue DURING THE YEAR ENDING SEPTEMBER 30, 19 59

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
516	1/6	0935 / 0945	ROY-PETERSEN		CHANNELS		8.72	2290.		.6	9	-.06	FC51
517	1/6	1400 / 1410	" "		"		7.27	529.		.6	9	-.03	"
518	2/11	0926 / 0935	" "	150.0	259.	5.61	3.90	1620.		.6	8	0	"
519	2/11	1033 / 1041	" "	148.0	192.	5.34	7.94	1020.		.6	8	-.02	"
520	2/11	1555 / 1605	" "	125.0	57.0	2.98	6.89	170.		.5 .6	7	-.05	"
521	2/12	0758 / 0810	BROOK-BONADIMAN	46.0	25.6	3.48	6.86	89.0		.6	15	-.02	FC19
522	2/16	1920 / 1932	" "	148.0	149.	4.99	8.26	743.		.6	11	-.08	"
523	2/17	0800 / 0810	BONADIMAN-BROOK	7.0	3.34	1.77	6.70	5.9		.6	6	0	FC61

FSD714M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F262-R

Daily discharge, in second-feet of SAN GABRIEL RIVER at Florence Avenue, for the year ending September 30, 1958

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	1090	0	0	0	0	0
2	0	0	0	0	0	0	100	0	0	0	0	0
3	0	0	0	0	48	0	950	0	0	0	0	0
4	0	0	0	0	1510	0	104	0	0	0	0	0
5	0	0	2.2	0	40	0	230	0	0	0	0	0
6	0	0	0	0	0	6.2	741	0	0	0	0	0
7	0	0	0	0	0	+	1720	0	0	0	0	0
8	0	0	0	0	0	0	603	0	0	0	0	0
9	0	0	0	0	0	0	314	0	0	0	0	0
10	0	0	0	0	0	+	40	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	306	0	0	55	0	0	0	0	0	0
16	0	0	148	0	0	1210	0	0	0	0	0	0
17	0	0	364	0	0	8.1	0	0	0	0	0	0
18	0	0	2.1	0	0	0	0	0	0	0	0	0
19	0	0	0	0	988	0	0	0	0	0	0	0
20	0	0	0	0	10	0.4	0	0	0	0	0	0
21	0	0	0	0	0	142	0	0	0	0	0	0
22	0	0	0	0	0	392	0	0	0	0	0	0
23	0	0	0	0	0	+	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	350	0	0	0	0	0	0	0
26	0	0	0	311	2.4	0	0	0	0	0	0	0
27	0	0	0	36	0	220	0	0	0	0	0	0
28	0	0	0	0	0	32	0	0	0	0	0	0
29	0	0	0	0		3.4	0	0	0	0	0	0
30	0	0	0	0		0	0	0	0	0	0	0
31	0		0	0		0		0		0	0	
	0	0	822.3	347	2948.4	2069.1	5892	0	0	0	0	0
MEAN	0	0	26.5	11.2	105.	66.7	196.	0	0	0	0	0
ACRE-FEET	0	0	1630.	688	5850.	4100.	11,690.	0	0	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 33.1
ACRE-FEET 23960.

FSD714M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

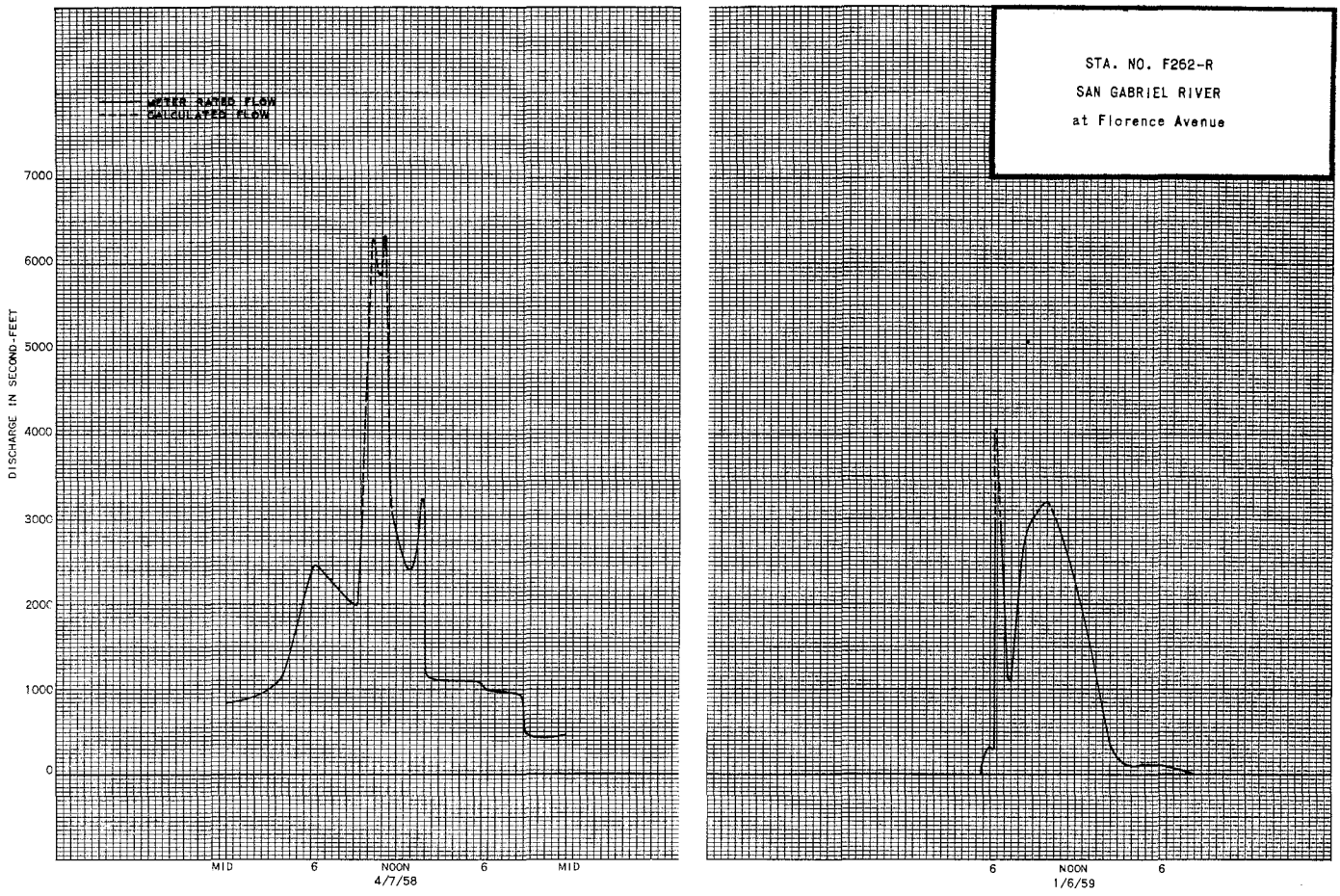
Sta. No. F262-R

Daily discharge, in second-feet of SAN GABRIEL RIVER at Florence Avenue, for the year ending September 30, 1959

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	13	0	0	0	0	0	0	0	0	0	0
3	0	+	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	826	0	0	0	0	0	0	0	0
7	0	0	0	0.5	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	174	0	0	0	0	0	0	0
12	0	0	0	0	23	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	513	0	0	0	0	0	0	0
17	0	0	0	0	25	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	1.1	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0		0	0	0	0	0	0	0
30	0	0	0	0		0	0	0	0	0	0	0
31	0		0	0		0		0		0	0	
	0		0		735.0		0		0		0	
		13.0		827.6		0		0		0		0
MEAN	0	0.43	0	26.7	26.2	0	0	0	0	0	0	0
ACRE-FEET	0	26.	0	1640.	1460.	0	0	0	0	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 4.32
ACRE-FEET 3130.



STATION F42-R
SAN GABRIEL RIVER at Spring Street, Long Beach

LOCATION: WATER-STAGE RECORDER, LAT. 33°48'38", LONG. 118°05'24", ON DOWNSTREAM SIDE OF SPRING STREET BRIDGE ABOUT FOUR MILES EAST OF SIGNAL HILL NEAR LONG BEACH. THIS STATION IS NEAR THE LOCATION OF THE STATION OPERATED IN 1924 BY THE STATE DIVISION OF WATER RIGHTS. ELEVATION OF ZERO GAGE HEIGHT, 12.25 FEET.

DRAINAGE AREA: 215.5 SQUARE MILES (EXCLUSIVE OF AREA ABOVE SANTA FE DAM).

CHANNEL AND CONTROL: CHANNEL - SAND AND SILT OVER ADOBE BOTTOM. TRAPEZOIDAL CHANNEL WITH BLACK-TOPPED EARTHEN LEVEES. NO ARTIFICIAL CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING; HIGH FLOWS MEASURED FROM CABLE CAR 200 FEET ABOVE STATION.

RECORDER: A STEVENS TYPE A-35B RECORDER IN SERVICE FROM OCTOBER 1, 1957 TO SEPTEMBER 30, 1959.

REGULATION: FLOW PARTIALLY REGULATED BY COGSWELL DAM, SAN GABRIEL DAM, MORRIS DAM, SANTA FE DAM, BIG DALTON DAM, SAN DIMAS DAM, PUDDINGSTONE DAM, PUDDINGSTONE DIVERSION DAM, LIVE OAK DAM, THOMPSON CREEK DAM AND WHITTIER NARROWS DAM.

DIVERSIONS: THERE ARE SEVERAL DIVERSIONS FOR IRRIGATION, POWER DEVELOPMENT AND SPREADING.

RECORDS AVAILABLE: FEBRUARY 6, 1928 TO MAY 4, 1951; APRIL 9, 1952 TO SEPTEMBER 30, 1959. (FOR PERIODS PRIOR TO FEBRUARY 1928, SEE STATE DIVISION OF WATER RIGHTS BULLETINS.)

EXTREMES OF DISCHARGE:

1957-58
MAXIMUM 5220 SECOND-FEET APRIL 7.
MINIMUM NO FLOW MOST OF YEAR.

1958-59
MAXIMUM 2940 SECOND-FEET JANUARY 6.
MINIMUM NO FLOW MOST OF YEAR.

1927-59
MAXIMUM 27,000 SECOND FEET ESTIMATED MARCH 2, 1938.
MINIMUM NO FLOW MOST OF EACH YEAR.

REVISION: THE MAXIMUM DISCHARGE FOR THE WATER YEAR 1936-37 HAS BEEN REVISED TO 5890 SECOND-FEET ON FEBRUARY 14, 1937.

OPERATION: OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT, LOCATED BY THE STATE DIVISION OF WATER RIGHTS.

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER

AT NEAR Spring Street, Long Beach DURING THE YEAR ENDING SEPTEMBER 30, 19 56

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
384	12/15	1750 / 1815	BROOK-BONADIMAN	162.0	220.	3.70	7.51	813.		.6	16	-.10	FC19
385	12/16	1110 / 1120	BONADIMAN-BROOK	14.5	11.3	0.92	6.24	10.4		.6	7	0	FC46
386	12/16	1944 / 1954	BROOK-BONADIMAN	38.0	28.4	3.37	6.47	95.6		.6	8	+.02	"
387	12/17	0748 / 0809	" "	166.0	297.	4.64	8.00	1380.		.6	11	-.16	FC19
388	12/18	1206 / 1214	BONADIMAN	2.5	0.87	0.85	6.14	0.74		.6	5	0	FC46
389	1/26	0855 / 0909	BROOK-BONADIMAN	133.0	185.	3.60	7.33	666.		.6	10	+.01	FC19
390	1/26	1516 / 1528	" "	134.0	143.	3.10	7.27	443.		.6	12	-.02	"
391	1/27	0915 / 0925	" "	9.0	4.04	1.41	6.31	5.7		.6	7	0	"
392	2/4	0725 / 0736	BONADIMAN-MOSES	173.0	506.	6.35	9.05	3210.		.6	11	0	"
393	2/5	1205 / 1215	BROOK-BONADIMAN	83.0	72.8	0.62	6.30	44.8		.6	8	0	"
394	2/6	1030 / 1036	BONADIMAN	4.0	0.65	0.92	5.80	0.60		.6	5	0	FC61
395	2/19	1632 / 1650	BROOK-BONADIMAN	169.0	383.	6.13	9.01	2350.		.6	13	+.11	FC46
396	2/20	1110 / 1120	BONADIMAN	13.0	10.7	2.33	6.14	22.6		.6	7	0	FC61
397	2/25	1137 / 1200	BROOK-BONADIMAN	165.5	422.	4.26	8.31	1800.		.6	19	+.02	FC19
398	2/25	1712 / 1720	" "	80.0	172.	1.93	7.06	331.		.6	9	-.02	"
399	2/26	1000 / 1008	BONADIMAN	7.5	2.86	1.54	5.93	4.4		.6	7	0	FC61
400	3/7	1107 / 1130	BROOK-BONADIMAN	25.5	9.28	1.18	6.01	10.9		.6	15	0	"
401	3/16	0310 / 0335	" "	163.5	357.	4.71	8.05	1680.		.6	12	+.24	FC19
402	3/16	0542 / 0605	" "	175.0	608.	6.98	9.38	4240.		.6	13	+.06	"
403	3/17	0920 / 0930	BONADIMAN	9.0	4.34	1.43	5.80	6.2		.6	7	0	FC61
404	3/21	0000 / 0010	BROOK-BONADIMAN	13.0	4.68	0.88	5.78	4.1		.6	9	0	FC19
405	3/21	0445 / 0500	" "	79.0	139.	2.80	6.94	389.		.6	10	+.14	"
406	3/21	1240 / 1300	" "	48.0	48.9	1.75	6.44	85.4		.6	18	-.01	"
407	3/22	0725 / 0750	" "	166.0	307.	5.86	8.31	1800.		.6	14	+.04 -.04	"
408	3/22	1535 / 1550	" "	65.0	85.4	2.24	6.57	191.		.6	10	0	"
409	3/27	1530 / 1538	" "	12.0	2.87	1.04	5.65	3.0		.6	6	0	"
410	3/27	1705 / 1728	" "	160.0	221.	4.84	7.80	1140.		.6	18	-.21	"
411	3/28	1110 / 1124	BONADIMAN	22.0	17.6	1.42	6.16	25.0		.6	10	0	"
412	4/1	1250 / 1321	BROOK-BONADIMAN	202.0	449.	6.88	8.90	3090.		.6	16	-.14	FC19
413	4/2	1000 / 1012	BONADIMAN-BROOK	45.0	37.5	2.33	6.77	87.3		.6	12	0	"
414	4/3	1136 / 1155	BROOK-BONADIMAN	167.0	468.	7.88	9.58	3690.		.6	14	+.05 -.05	"
415	4/4	1242 / 1258	BONADIMAN	36.5	25.3	1.46	6.31	37.0		.6	12	-.02	"
416	4/5	0719 / 0732	BONADIMAN-BROOK	9.5	3.75	0.64	6.00	2.4		.5 .6	10	0	FC61
417	4/6	1748 / 1802	BROOK-BONADIMAN	149.5	257.	4.98	8.00	1280.		.6	14	-.03	FC19
418	4/7	1210 / 1236	" "	172.0	489.	7.20	9.60	3520.		.6	14	+.24	"
419	4/7	1405 / 1420	" "	175.0	574.	8.57	9.90	4920.	FLOATS		9	.50	"
420	4/8	0958 / 1015	" "	149.0	176.	2.50	7.52	440.	SURF	.6	14	+.01	F19
421	4/9	111.7 / 1137	BONADIMAN	150.0	192.	2.50	7.55	482.	SURF	.6	16	-.02	FC46
422	4/10	1500 / 1520	"	42.0	33.8	1.78	6.68	60.0		.6	10	0	"

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER

AT NEAR Spring Street, Long Beach DURING THE YEAR ENDING SEPTEMBER 30, 19 59

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
423	10/30	1530 / 1540	BONADIMAN	10.0	7.40	0.53	6.32	3.9		.6	6	0	FC19
424	11/13	1515 / 1525	"	14.0	6.88	0.60	6.33	4.1		.6	9	0	"
425	1/6	0900 / 0920	BROOK-BONADIMAN	172.0	447.	5.82	8.80	2600.		.6	12	+.62	"
426	1/6	0955 / 1037	" "	169.0	401.	7.11	9.01	2850.		.6	11	+.02	"
427	1/7	0900 / 0910	BONADIMAN	7.5	3.14	1.18	6.49	3.7		.6	7	0	"
428	2/11	1207 / 1222	BROOK-BONADIMAN	154.0	198.	4.16	7.86	823.		.6	14	-.04	"
429	2/12	1020 / 1034	" "	42.0	24.8	1.36	6.83	33.7		.6	14	+.02	"
430	2/16	1115 / 1125	" "	55.0	32.9	1.51	6.95	49.8		.6	15	0	"
431	2/16	2012 / 2025	" "	148.0	288.	4.10	7.91	1180.		.6	11	-.08	"
432	2/17	0944 / 0956	" "	26.0	28.4	1.54	6.91	43.8		.6	12	-.02	"
433	2/18	1510 / 1515	BONADIMAN	3.0	0.40	0.25	6.34	0.11		.6	4	0	FC61
434	2/21	1540 / 1552	BROOK-BONADIMAN	CHANNELS			6.86	37.5		.6	16	+.01	FC19
435	2/22	1200 / 1210	" "	6.0	1.42	0.99	6.44	1.4		.6	8	0	FC61

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F42-R

Daily discharge, in second-feet of SAN GABRIEL RIVER at Spring Street Long Beach for the year ending September 30, 19 56

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	965	0	0	0	0	0
2	0	0	0	0	0	0	176	0	0	0	0	0
3	0	0	0	0	10	0	814	0	0	0	0	0
4	0	0	0	0	1440	0	111	0	0	0	0	0
5	0	0	0	0	181	0	176	0	0	0	0	0
6	0	0	0	0	10	0	893	0	0	0	0	0
7	0	0	0	0	0	2.6	1510	0	0	0	0	0
8	0	0	0	0	0	0.1	562	0	0	0	0	0
9	0	0	0	0	0	0	358	0	0	0	0	0
10	0	0	0.	0	0	0	106	0	0	0	0	0
11	0	0	0	0	0	0	3.6	0	0	0	0	0
12	0	0	0	0	0	0	0.5	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	191	0	0	0.2	0	0	0	0	0	0
16	0	0	96	0	0	1300	0	0	0	0	0	0
17	0	0	369	0	0	15	0	0	0	0	0	0
18	0	0	54	0	0	1.3	0	0	0	0	0	0
19	0	0	0	0	701	0	0	0	0	0	0	0
20	0	0	0	0	71	0.7	0	0	0	0	0	0
21	0	0	0	0	0	119	0	0	0	0	0	0
22	0	0	0	0	0	373	0	0	0	0	0	0
23	0	0	0	0	0	32	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	334	0	0	0	0	0	0	0
26	0	0	0	250	11	0	0	0	0	0	0	0
27	0	0	0	7.9	0.1	178	0	0	0	0	0	0
28	0	0	0	0	0	77	0	0	0	0	0	0
29	0	0	0	0		28	0	0	0	0	0	0
30	0	0	0	0		0	0	0	0	0	0	0
31	0	0	0	0		0		0		0	0	
	0	0	661.4	257.9	2740.1	2161.7	5695.1	0	0	0	0	0
MEAN	0	0	21.3	8.33	97.9	70.4	190.	0	0	0	0	0
ACRE-FEET	0	0	1320	512.	5430.	4330.	11,300.	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 31.6
ACRE-FEET 22,890.

76D76M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

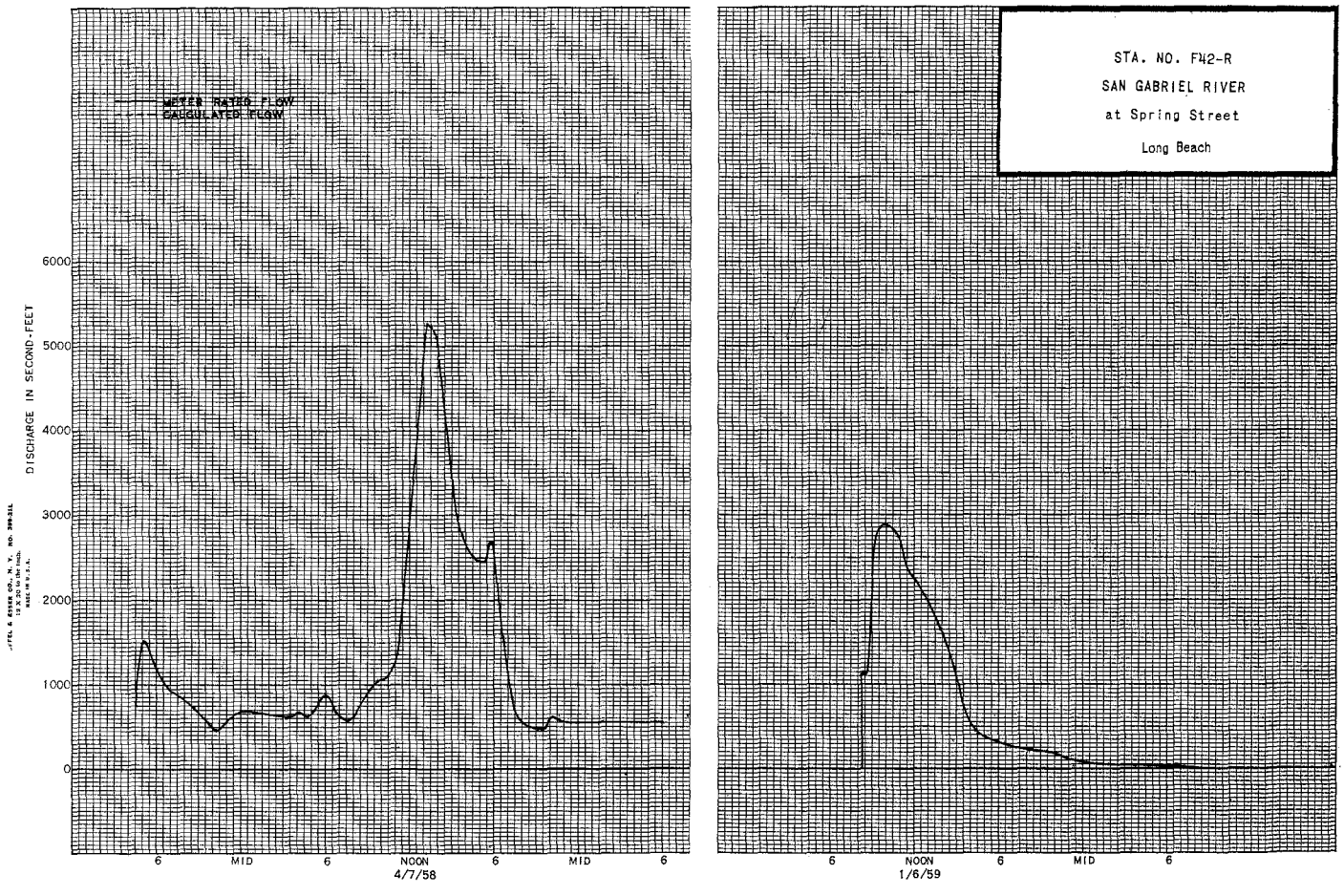
Sta. No. F42-R

Daily discharge, in second-feet of SAN GABRIEL RIVER at Spring Street Long Beach for the year ending September 30, 1959

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	615	0	0	0	0	0	0	0	0
7	0	0	0	53	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	112	0	0	0	0	0	0	0
12	0	0	0	0	28	0	0	0	0	0	0	0
13	0	1.3	0	0	0.9	0	0	0	0	0	0	0
14	0	1.6	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	273	0	0	0	0	0	0	0
17	0	0	0	0	125	0	0	0	0	0	0	0
18	0	0	0	0	0.4	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	10	0	0	0	0	0	0	0
22	0	0	0	0	3.1	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0		0	0	0	0	0	0	0
30	0	0	0	0		0	0	0	0	0	0	0
31	1.4	0	0	0		0	0	0	0	0	0	0
	1.3		0									
	2.7		0		552.4		0		0		0	
		2.9		620.3		0		0		0		0
MEAN	0.09	0.10	0	20.0	19.7	0	0	0	0	0	0	0
ACRE-FEET	5.4	5.8	0	1230.	1100.	0	0	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 3.23
ACRE-FEET 2340.



STATION F312-R
SAN JOSE CHANNEL above Workman Mill Road

LOCATION: WATER-STAGE RECORDER, LAT. 34°01'55", LONG. 118°06'39", ON THE RIGHT (NORTH) BANK 1650 FEET ABOVE THE WORKMAN MILL ROAD BRIDGE. ELEVATION OF ZERO GAGE HEIGHT 248.52 FEET ABOVE MEAN SEA LEVEL.

DRAINAGE AREA: 83.4 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL, TRAPEZOIDAL WITH EARTHEN BOTTOM AND GROUTED SLOPES, 147.5 FEET BOTTOM WIDTH AND 225.0 FEET TOP WIDTH. BANKS ARE 2.3 TO 1.0 SLOPE. THERE IS A ROCK STABILIZER BELOW THE STATION.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS ARE MEASURED FROM A CABLE CAR 25 FEET ABOVE STATION.

RECORDER: AN AU CONTINUOUS RECORDER IN SERVICE FROM OCTOBER 1, 1957 TO JANUARY 21, 1958. AN A-35, JANUARY 21, 1958 TO SEPTEMBER 30, 1959.

REGULATION: PARTIALLY REGULATED BY THOMPSON CREEK DAM.

DIVERSIONS: DIVERSION UPSTREAM DESIGNED FOR APPROXIMATELY THE FIRST 200 SECOND-FEET OF FLOW TO GO INTO SAN JOSE CREEK.

RECORDS AVAILABLE: SEPTEMBER 13, 1955 TO SEPTEMBER 30, 1959.

EXTREMES OF DISCHARGE:
1957-58
MAXIMUM 3990 SECOND-FEET APRIL 7.
MINIMUM NO FLOW MOST OF YEAR.
1958-59
MAXIMUM 2720 SECOND-FEET JANUARY 6.
MINIMUM NO FLOW MOST OF YEAR.
1955-59
MAXIMUM 5180 SECOND-FEET JANUARY 26, 1956.
MINIMUM NO FLOW MOST OF EACH YEAR.

ACCURACY: FAIR.

REMARKS: POMONA SEWER PLANT DIVERTS SOME FLOW TO CREEK ABOVE SPADRA.

OPERATION: LOCATED AND CONSTRUCTED BY THE CORPS OF ENGINEERS, DEPARTMENT OF THE ARMY. OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT IN COOPERATION WITH THE UNITED STATES GEOLOGICAL SURVEY, WATER RESOURCES BRANCH.

DISCHARGE MEASUREMENTS OF SAN JOSE CHANNEL

above Workman Mill Road DURING THE YEAR ENDING SEPTEMBER 30, 1956

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
8	10/14	1040 / 1045	WADDICOR-FALCONE	36.0	21.1	1.90	0.91	40.0		.6	14	-.02	FC37
9	11/3	0145 / 0155	ROY-FALCONE	46.0	20.6	1.39	0.90	28.6		.6	11	0	FC51
10	11/3	1140 / 1150	" "	23.4	8.78	0.52	0.54	4.6		.6	14	-.03	"
11	11/6	1043 / 1046	WADDICOR-FALCONE	3.5	0.65	0.23	0.44	0.15		.5	8	-.01	FC50
12	12/5	0345 / 0355	WADDICOR-GARCIA	44.0	34.7	2.34	1.24	81.2		.6	13	-.05	FC37
13	12/5	1745 / 1800	" "	45.0	38.0	2.51	1.30	95.5		.6	13	-.01	"
14	12/15	1050 / 1105	" "	134.0	176.	3.32	2.25	584.		.6	15	0	"
15	12/15	1720 / 1738	TREAT-LITCHFIELD	48.0	34.4	3.58	1.26	123.		.6	18	-.02	FC45
16	12/16	0935 / 0955	ROY-ROBINSON	CHANNELS			0.69	276.		.6	18	-.08	FC51
17	12/16	1504 / 1512	" "	47.0	35.6	3.74	1.33	133.		.6	12	-.02	"
18	12/17	1322 / 1340	WADDICOR-GARCIA	CHANNELS			0.66	12.1		.6	18	0	FC37
19	1/26	0900 / 0930	TREAT-LITCHFIELD		"		1.65	330.		.6	27	+.35	FC45
20	2/3	0725 / 0740	" "		"		0.98	66.0		.6	20	0	"
21	2/3	1030 / 1045	" "	70.0	32.5	1.71	0.91	55.5		.6	20	+.02	"
22	2/3	1455 / 1510	" "	79.0	53.4	2.45	1.28	131.		.6	22	+.06	"
23	2/4	0155 / 0315	" "	155.0	336.	4.64	2.94	1560.		.6	32	+.56	"
24	2/4	0820 / 0900	" "	154.0	231.	4.04	2.45	933.		.6	32	+.20	"
25	2/4	0920 / 0955	" "	155.0	292.	5.00	2.79	1460.		.6	32	+.18	"
26	2/5	1525 / 1538	WADDICOR-GARCIA	16.0	3.72	0.94	0.76	3.5		.5	9	0	FC42
27	2/19	1150 / 1225	TREAT-LITCHFIELD	150.0	188.	4.65	2.41	875.		.6	29	0	FC45
28	2/19	1610 / 1640	" "	150.0	213.	4.00	2.37	853.		.6	30	-.18	"
29	2/20	1356 / 1405	ROY-GARCIA	16.4	4.28	1.17	0.76	5.0		.6	11	0	FC52
30	2/25	1000 / 1030	TREAT-VITA	110.0	167.	5.63	2.47	941.		.6	30	-.20	FC45
31	2/25	1445 / 1500	WADDICOR-GARCIA	CHANNELS			1.33	110.		.6	31	-.02	FC51
32	2/26	1413 / 1423	WADDICOR-GARCIA	10.6	2.66	1.09	0.76	2.9		.6	9	0	FC51
33	3/6	1312 / 1323	" "	52.5	43.4	2.00	1.18	87.0		.6	14	-.05	"
34	3/15	1720 / 1735	TREAT-LITCHFIELD	50.0	24.0	1.39	0.87	33.4		.6	14	0	FC45
35	3/16	0225 / 0315	" "	156.0	418.	5.61	3.45	2340.		.6	32	+.40	"
36	3/16	0755 / 0830	" "	139.0	197.	3.34	2.14	657.		.6	29	-.24	"
37	3/20	1610 / 1620	WADDICOR-GARCIA	10.0	2.62	1.30	0.78	3.4		.6	7	0	FC26
38	3/20	2150 / 2235	TREAT-LITCHFIELD	133.0	146.	3.04	1.90	444.		.6	28	-.03	FC45
39	3/22	0240 / 0315	" "	145.0	250.	5.16	2.83	1290.		.6	30	+.26	"
40	3/22	1530 / 1542	WADDICOR-GARCIA	45.0	26.5	2.09	0.97	53.4		.6	10	0	FC26
41	3/27	1450 / 1530	TREAT-LITCHFIELD	136.0	165.	3.43	1.99	566.		.5	29	-.20	FC45
42	3/28	1105 / 1115	WADDICOR-GARCIA	12.8	4.08	1.32	0.79	5.4		.6	8	0	FC26
43	4/1	0345 / 0405	TREAT-LITCHFIELD	33.0	6.19	0.92	0.75	5.6		.6	18	0	FC45
44	4/1	1015 / 1045	" "	141.0	285.	5.26	3.00	1500.		.6	9	-.06	"
45	4/3	0410 / 0425	" "	55.0	42.0	2.33	1.11	97.9		.6	16	+.24	"
46	4/3	1045 / 1110	" "	147.0	341.	5.07	3.21	1730.		.6	29	-.26	"
47	4/4	1030 / 1042	WADDICOR-GARCIA	55.0	40.3	1.87	1.08	75.6		.6	13	-.03	FC26
48	4/6	1340 / 1355	" "	136.0	163.	3.48	2.04	567.		.6	13	-.08	"
49	4/7	0605 / 0630	TREAT-LITCHFIELD	140.0	184.	4.03	2.30	741.		.6	29	-.06	FC45
50	4/7	1145 / 1230	" "	161.0	539.	7.20	4.26	3880.		.6	33		"
51	4/7	1530 / 1610	" "	140.0	201.	4.07	2.40	819.		.6	24	-.20	"
52	4/8	0936 / 0956	WADDICOR-GARCIA	CHANNELS			0.95	46.7		.6	20	0	FC26
53	4/9	1305 / 1323	WADDICOR		"		0.86	19.7		.5 .6	18	0	"
54	4/11	1320 / 1335	WADDICOR-MOSES	35.5	9.40	1.01	0.85	9.5		.6	14	0	"
55	4/17	1440 / 1448	ROY	16.0	5.60	1.43	5.85	8.0		.5 .6	10	0	FC51
56	4/23	1105 / 1115	"	11.5	5.41	1.66	5.65	9.0		.6	9	0	"

DISCHARGE MEASUREMENTS OF SAN JOSE CHANNEL

~~AT~~ NEAR above Workman Mill Road DURING THE YEAR ENDING SEPTEMBER 30, 1958

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	S. MT. DISCHARGE TOTAL	METER NO.
57	1/6	0500 / 0610	TREAT-LITCHFIELD	140.	326.	5.29	8.08	1730.		.6	29	+1.17	FC45
58	1/6	1205 / 1220	LITCHFIELD-TREAT	70.0	73.5	2.45	6.70	180.		.6	15	-.10	"
59	1/6	1510 / 1530	" "	70.0	63.6	2.11	6.53	134.		.6	16	-.10	"
60	1/7	1426 / 1434	ROY-GARCIA	13.5	3.80	1.08	5.52	4.1		.5 / .6	9	0	FC51
61	1/15	1436 / 1444	ROY	14.0	3.62	1.00	5.50	3.6		.6 / .5	9	0	FC52
62	1/20	1055 / 1110	"	10.0	3.03	1.32	5.50	4.0		.5 / .6	8	0	FC37
63	1/22	1510 / 1520	"	14.0	4.16	1.10	5.50	4.6		.5 / .6	9	0	FC52
64	1/29	1456 / 1508	"	14.0	4.25	1.15	5.50	4.9		.6	15	0	"
65	2/4	1453 / 1505	WADDICOR	11.2	3.68	1.03	5.50	3.8		.6	9	0	"
66	2/8	1100 / 1120	TREAT-LITCHFIELD	68.0	66.0	2.23	6.45	147.		.6	16	-.06	FC45
67	2/9	1420 / 1430	WADDICOR-GARCIA	8.2	2.41	1.29	5.52	3.1		.6	9	0	FC37
68	2/11	0420 / 0430	LITCHFIELD-TREAT	70.0	51.6	2.05	6.30	106.		.6	16	+.08	FC45
69	2/11	1135 / 1145	" "	69.0	96.6	2.86	6.84	276.		.6	16	-.08	FC44
70	2/11	1405 / 1417	ROY-PETERSEN		CHANNELS		6.30	99.4		.6	17	-.04	FC51
71	2/12	1550 / 1600	WADDICOR-FALCONE	24.5	6.38	1.38	5.59	8.8		.5 / .6	11	0	FC37
72	2/16	0607 / 0617	LITCHFIELD-TREAT	66.0	73.1	2.82	6.64	206.		.6	15	-.01	FC44
73	2/16	1002 / 1008	ROY-PETERSEN		CHANNELS		6.57	202.		.6	13	+.05	FC51
74	2/16	1100 / 1115	LITCHFIELD-TREAT	80.0	100.	3.49	6.88	349.		.6	18	0	FC44
75	2/16	2007 / 2020	" "	67.0	76.5	2.41	6.60	184.		.6	16	-.04	"
76	2/17	1440 / 1455	WADDICOR-STEWART	29.0	7.68	0.90	5.59	6.9		.6	18	-.01	FC37
77	2/19	1450 / 1500	WADDICOR	26.1	7.00	0.98	5.58	6.8		.5 / .6	15	0	"
78	2/21	1205 / 1217	LITCHFIELD-TREAT	67.0	48.1	2.16	6.30	104.		.6	16	+.04	FC44
79	2/22	1100 / 1108	WADDICOR-FALCONE	16.0	5.19	1.35	5.58	7.0		.5 / .6	10	0	FC37
80	2/25	1318 / 1330	ROY-WADDICOR	26.3	5.52	0.89	5.57	5.0		.6	15	0	FC52
81	3/3	1435 / 1453	WALTER-ROY	11.1	3.69	1.63		6.0		.5 / .6	13		"
82	3/12	1513 / 1523	WADDICOR	13.0	3.53	0.94		3.3		.5	10		"
83	3/19	1533 / 1545	"	13.2	4.00	1.02		4.1		.5 / .6	10		"
84	3/26	1455 / 1508	"		CHANNELS			4.9		.5 / .6	17		"
85	4/3	1335 / 1345	"	9.0	2.72	1.40		3.8		.5 / .6	10	0	"
86	4/25	0015 / 0025	LITCHFIELD-TREAT	31.0	20.7	2.65	5.96	54.9		.6	9	+.13	FC44
87	4/26	0410 / 0415	" "	33.0	26.8	2.42	6.05	64.8		.6	9	-.06	"
88	5/7	1506 / 1516	WADDICOR	9.0	2.27	0.88	0.20	2.0		.5	10	0	FC52
89	5/14	1505 / 1515	"	8.5	1.84	0.82	0.20	1.5		.5	7	0	"
90	5/21	1533 / 1542	"	8.2	2.44	0.98	0.19	2.4		.5	10	0	"

75D76M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F312-R

Daily discharge, in second-feet of SAN JOSE CHANNEL above Workman Mill Road, for the year ending September 30, 1958

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	+	0	0	0	22	782	0	0	0	0	0
2	0	1.8	0	0	0	+	33	0	0	0	0	0
3	0	3.8	0	0	156		598	0	0	0	0	0
4	0	e 1.0	0	0	840		34	0	0	0	0	0
5	0	0.6	31	0	17	+	e 2.0	0	0	0	0	0
6	0	0.2	3.2	0	+	45	160	0	0	0	0	0
7	0	e 0.1	e 0.5	0	0	e 5.0	1210	0	0	0	0	0
8	0	+	+	0	0	+	38	0	0	0	0	0
9	0	+	0	0	0	+	e 20	0	0	0	0	0
10	0	0	0	0	0	+	15	0	0	0	0	0
11	16	0	0	0	0	0.5	9.5	0	0	0	0	0
12	5.6	0	0	0	0	6.0	9.4	0	0	0	0	0
13	0	0	0	0	0	+	9.3	0	0	0	0	0
14	2.4	0	0	0	0	+	9.0	0	0	0	0	0
15	0	0	1.58	0	0	116	8.8	0	0	0	5.9	0
16	0	0	125	0	0	654	8.4	0	0	0	+	0
17	0	0	104	0	0	e 5.0	8.0	0	0	0	0	0
18	0	0	e 0.1	0	0	e 4.0	8.0	0	0	0	0	0
19	0	0	0	0	485	e 4.0	8.0	0	0	0	0	0
20	0	0	0	0	13	83	8.0	0	0	0	0	0
21	5.6	0	0	0	e 1.0	67	8.0	0	0	0	0	0
22	0	0	0	0	+	348	8.0	0	0	0	0	0
23	0	0	0	0	+	e 8.0	e 4.5	0	0	0	0	0
24	0	0	0	0	+	7.0	0	0	0	0	0	0
25	0	0	0	11	289	7.0	0	0	0	0	0	0
26	0	0	0	179	e 3.0	e 6.0	0	0	0	0	0	0
27	0	0	0	e 2.0	e 1.0	140	0	0	0	0	0	0
28	0	0	0	e 0.5	2.6	e 6.0	0	0	0	0	0	0
29	0	0	0	+		e 2.0	0	0	0	0	0	0
30	0	0	0	+		0	0	0	0	0	0	0
31	6.5		0	+		e 6.0		0		0	0	
	57.7	41.7	421.8	192.5	1807.6	15415	3018.9	0	0	0	5.9	0
MEAN	1.86	1.39	13.6	6.21	65.8	49.7	101.	0	0	0	0.19	0
ACRE-FEET	114.	82.7	837.	382.	3590.	3060.	5990.	0	0	0	12.	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 19.4
ACRE-FEET 14,060.

74D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

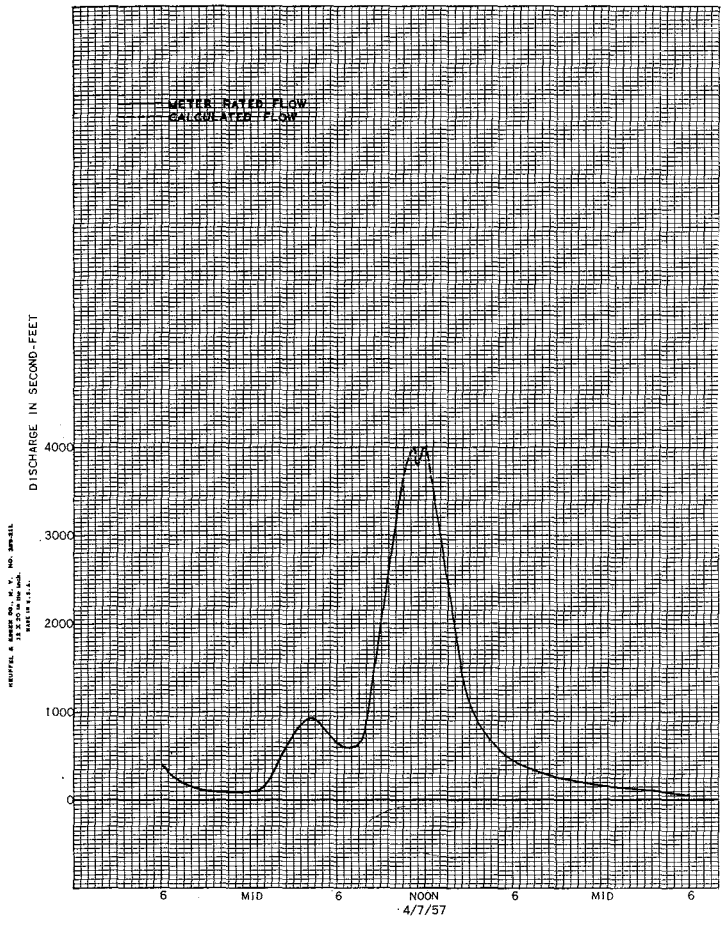
Sta. No. F312-R

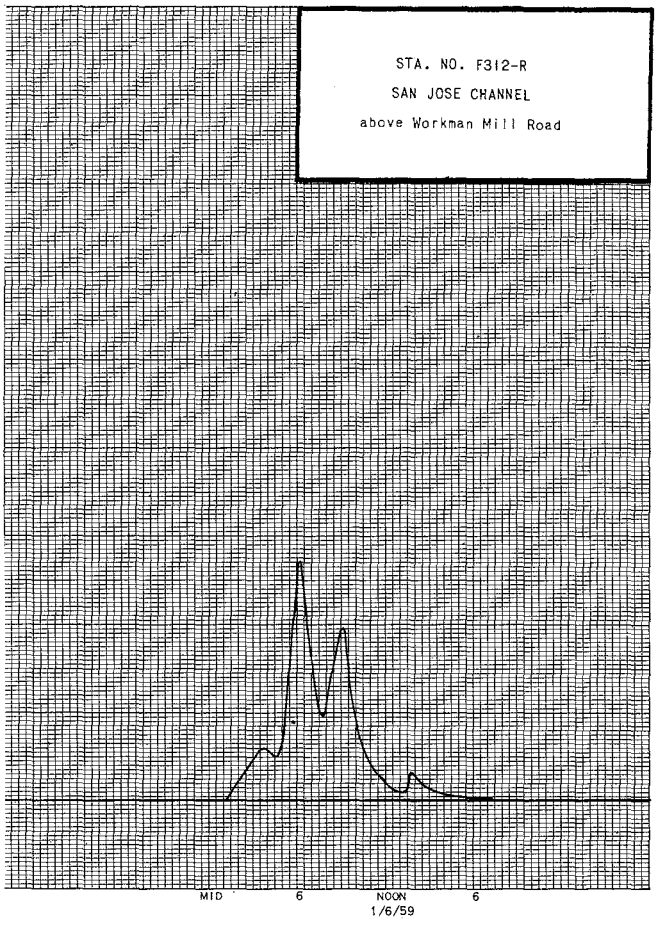
Daily discharge, in second-feet of SAN JOSE CHANNEL above Workman Mill Road, for the year ending September 30, 1959

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	+	+	2.6	5.5	b 5.8	b 4.6	3.7	0	0	0	0
2	0			1.5	4.8	6.0	b 4.5	3.7	0	0	0	+
3	0			1.7	4.8	6.0	4.4	3.7	+	0	0	+
4	0			1.9	4.4	5.8	4.1	3.7		0	0	0
5	0			1.9	4.1	5.5	4.1	4.1		0	0	0
6	0			487	4.1	5.1	3.3	3.7		0	0	0
7	0			b 5.5	4.8	4.8	1.7	3.3		e 0.1	0	0
8	0			b 4.2	66	4.5	0	2.6		0.2	0	+
9	0			b 4.1	3.3	4.1	0	2.6		0.2	0	0
10	0			4.1	3.0	3.8	0	2.6		e 0.1	0	+
11	0			4.1	181	3.5	0	2.6		+	0	
12	0			4.1	41	3.3	0	2.6	+	0	0	
13	0			4.4	b 7.0	3.5	0	2.3	e 0.1	0	0	
14	0			4.4	b 6.0	3.6	0	2.3	e 0.2	0	0	
15	0		+	4.8	b 5.0	3.7	0	1.9	+	0	0	
16	0		0	4.8	193	3.8	0	2.3		0	0	
17	0		0	4.1	14	3.9	0	1.9		0	0	+
18	0		0	4.8	7.2	4.0	0	2.3		0	0	0
19	0		0	5.1	b 6.8	4.1	0	2.6		0	0	0
20	0		0	4.1	b 6.8	4.2	0	2.6		0	0	0
21	0		0	4.1	34	4.4	0	2.3	+	0	0	0
22	0		0	5.5	b 10	4.5	0	1.7	e 0.1	0	0	0
23	0		+	5.5	6.0	4.6	0	1.3	0.1	0	0	0
24	6.2			5.5	5.5	4.7	0	1.0	0.2	0	0	+
25	3.5			5.5	5.0	4.8	1.9	1.0	0.2	0	0	
26	0.6		+	6.1	5.2	4.9	73	0.6	0.2	0	0	
27	0.6		0.8	6.1	5.4	4.9	4.8	0.4	0.2	0	0	
28	0.4		1.9	6.6	b 5.6	4.8	4.1	0.2	0.2	0	0	
29	0.2		1.9	6.1		4.8	3.3	+	0.2	0	0	
30	+	+	2.6	5.5		4.7	3.3	0	e 0.1	0	0	+
31	+		2.6	5.5		b 4.6		0		0	0	
	11.5		9.8		649.3		117.1		1.8		0	
		+		621.2		140.7		65.6		0.6		+
MEAN	0.37	+	0.32	20.0	23.2	4.54	3.90	2.12	0.06	0.02	0	0
ACRE-FEET	23.	+	19.	1230.	1290.	279.	232.	130.	3.6	1.2	0	+

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 4.43
ACRE-FEET 3210.





STATION F48-R
SAN JOSE CREEK at Workman Mill Road

LOCATION: WATER-STAGE RECORDER, LAT. 34°01'24", LONG. 118°02'05", ON THE DOWNSTREAM SIDE OF WORKMAN MILL ROAD BRIDGE, ABOUT THREE MILES NORTH OF WHITTIER. THIS STATION IS NEAR THE LOCATION OF THE STATION OPERATED FROM 1923 TO 1929 BY THE STATE DIVISION OF WATER RIGHTS. ELEVATION OF ZERO GAGE HEIGHT 213.46 FEET. (GAGE LOWERED 1.39 FEET SEPTEMBER 16, 1952.)

DRAINAGE AREA: CONTROLLED BY DIVERSION TO SAN JOSE CHANNEL.

CHANNEL AND CONTROL: CHANNEL - CLAY, SAND AND GRAVEL, NO ARTIFICIAL CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING.

RECORDER: AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1957 TO SEPTEMBER 30, 1959.

REGULATION: FLOW PARTIALLY REGULATED BY THOMPSON CREEK DAM.

DIVERSIONS: SMALL DIVERSION FOR SPREADING (SEE STATION F276-R), SAN JOSE CHANNEL DIVERTS ALL STORM FLOWS EXCEPT APPROXIMATELY THE FIRST 200 CFS.

RECORDS AVAILABLE: JANUARY 2, 1929 TO SEPTEMBER 30, 1959. (FOR RECORDS PRIOR TO JANUARY 2, 1929, SEE STATE DIVISION OF WATER RIGHTS BULLETINS.)

REMARKS: DIVERSION UPSTREAM. CONSTRUCTED IN 1955. DESIGNED FOR ALL FLOW OVER 200 SECOND-FEET TO GO INTO SAN JOSE CHANNEL. IT IS NECESSARY TO COMBINE RECORDS OF STATIONS F48-R AND F312-R SAN JOSE CHANNEL AFTER OCTOBER 1, 1955, TO ARRIVE AT FLOW CONDITIONS PRIOR TO THIS DATE.

EXTREMES OF DISCHARGE:
1957-58
MAXIMUM 143 SECOND-FEET FEBRUARY 19.
MINIMUM 0.1 SECOND-FEET PART OF THE YEAR.
1958-59
MAXIMUM 171 SECOND-FEET APRIL 26.
MINIMUM 0.05 SECOND-FEET JANUARY 22.
1928-59
MAXIMUM 13,100 SECOND-FEET JANUARY 1, 1934.
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: GOOD FOR LOW FLOWS.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT IN COOPERATION WITH THE UNITED STATES GEOLOGICAL SURVEY, WATER RESOURCES BRANCH.

DISCHARGE MEASUREMENTS OF SAN JOSE CREEK

AT Workman Mill Road DURING THE YEAR ENDING SEPTEMBER 30, 19 56.

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	S. HT. CHANGE TOTAL	METER NO.
1335	10/3	1422 / 1426	WADDICOR	2.0	0.26	0.46	1.28	0.12		.5	5	0	FC52
1336	10/10	1430 / 1435	"	2.5	0.36	0.44	1.25	0.16		.5	6	0	"
1337	10/14	0955 / 1000	WADDICDR-FALCONE	17.5	16.4	0.94	2.30	15.4		.6	11	0	FC37
1338	10/17	1430 / 1435	WADDICOR	2.1	0.46	0.70	1.35	0.32		.5	5	0	FC52
1339	10/24	1414 / 1419	"	3.5	0.60	0.50	1.30	0.30		.5	5	0	"
1340	11/3	1217 / 1229	FALCONE-ROY	22.5	17.1	0.71	2.14	12.1		.6	12	-.01	FC51
1341	11/6	1129 / 1133	WADDICOR-FALCONE	4.5	2.48	1.53	1.70	3.8		.6	8	-.01	FC37
1342	11/14	1345 / 1353	WADDICOR	3.8	1.13	0.97	1.62	1.1		.6	5	0	FC52
1343	11/21	1448 / 1457	"	5.0	1.50	0.80	1.77	1.2		.6	6	0	"
1344	11/27	1450 / 1459	"	5.8	1.89	0.95	1.86	1.8		.6	7	0	"
1345	12/5	0502 / 0510	WADDICOR-GARCIA	3.8	0.96	0.97	1.62	0.93		.6	5	0	FC37
1346	12/5	1254 / 1305	ROY-ROBINSON	20.0	22.8	1.10	2.44	25.2		.6	11	-.02	FC51
1347	12/12	1632 / 1639	WADDICOR	4.0	0.76	1.04	1.55	0.79		.6	5	0	FC52
1348	12/16	1055 / 1104	ROY-ROBINSON	54.0	54.8	1.56	3.03	85.1		.6	9	0	FC51
1349	12/17	1400 / 1412	WADDICOR-GARCIA	23.0	18.7	1.00	2.38	18.8		.6	12	0	FC37
1350	12/26	1306 / 1311	ROY	4.5	1.64	1.40	1.53	2.2		.5 .6	6	0	FC51
1351	1/2	0842 / 0850	"	4.5	1.92	1.61	1.56	3.1		.6	6	0	"
1352	1/10	0930 / 0940	WADDICOR	4.8	1.46	1.03	1.58	1.5		.6	6	0	FC52
1353	1/16	1532 / 1540	"	4.5	1.34	1.42	1.58	1.9		.6	6	0	FC37
1354	1/23	1545 / 1553	"	4.0	1.22	1.84	1.61	2.2		.6	5	0	FC36
1355	1/27	1425 / 1435	WADDICOR-GARCIA	7.0	3.69	1.70	1.74	6.3		.6	8	0	"
1356	1/30	1453 / 1506	" "	7.0	3.79	1.16	1.68	4.4		.6	8	-.01	"
1357	2/4	1307 / 1322	" "	35.0	44.5	2.17	3.16	96.9		.6	13	0	FC42
1358	2/6	1552 / 1602	WADDICOR	6.8	2.95	0.81	1.56	2.4		.6	8	0	"
1359	2/13	1515 / 1525	ROY	4.5	1.79	1.45	1.42	2.6		.6	6	0	FC51
1360	2/20	1454 / 1500	ROY-GARCIA	3.5	0.99	1.72	1.43	1.7		.5 .6	6	0	FC52
1361	2/26	1516 / 1522	WADDICOR-GARCIA	2.5	0.66	1.28	1.40	0.83		.6	6	-.01	FC52
1362	3/6	1240 / 1248	" "	8.5	6.40	1.71	2.02	11.0		.6	8	+.05	FC51
1363	3/20	1710 / 1716	" "	3.0	0.52	1.21	1.38	0.63		.6	4	0	FC26
1364	3/22	1603 / 1612	" "	3.8	1.10	1.64	1.52	1.8		.6	5	0	"
1365	3/28	1042 / 1052	" "	5.0	2.72	2.13	1.69	5.8		.6	6	0	"
1366	4/4	1133 / 1140	" "	5.0	1.14	1.05	1.56	1.2		.6	6	0	"
1367	4/8	1550 / 1555	" "	4.0	0.80	1.25	1.55	1.0		.6	5	0	"
1368	4/17	1520 / 1526	ROY	2.2	0.35	0.57	1.45	0.20		.5	5	0	FC51
1369	4/24	0930 / 0946	WADDICOR	16.6	8.45	1.38	2.06	11.7		.6	11	0	FC26
1370	5/1	1510 / 1522	"	10.0	7.09	0.96	2.01	10.5		.6	11	0	"
1371	5/8	1435 / 1450	"	9.5	6.60	1.62	2.00	10.7		.6	11	0	"
1372	5/15	1425 / 1437	"	11.6	4.18	2.03	1.82	8.5		.6	13	0	"
1373	5/20	1012 / 1024	WADDICOR-ROY	11.6	4.18	2.08	1.81	8.7		.5 .6	13	0	"
1374	5/29	0850 / 0900	ROY	5.5	2.37	1.86	1.63	4.4		.6	7	0	FC51
1375	6/12	1600 / 1608	WADDICOR	5.8	1.46	1.44	1.54	2.1		.6	7	0	FC26
1376	6/19	1543 / 1549	WADDICOR-BURKE	4.0	1.17	1.37	1.49	1.6		.6	7	.02	"
1377	7/10	1540 / 1544	WADDICOR	3.0	0.56	0.93	1.47	0.52		.6	7	0	FC52
1378	7/17	1415 / 1422	"	5.0	1.11	0.99	1.45	1.1		.6	6	0	"
1379	7/24	1240 / 1248	"	6.0	1.26	1.03	1.48	1.3		.6	7	0	"
1380	7/31	1450 / 1453	"	2.0	0.33	0.79	1.44	0.26		.6	5	0	"
1381	8/6	1450 / 1453	"	3.0	0.58	0.86	1.44	0.50		.5	4	0	"
1382	8/14	1528 / 1534	ROY	3.0	0.83	0.53	1.45	0.44		.5	4	0	"
1383	8/20	1354 / 1400	ROY-WALTON	3.5	0.69	0.55	1.49	0.38		.5	5	0	"
1384	8/28	1515 / 1520	WADDICOR	4.0	0.56	0.96	1.47	0.54		.5	5	0	"
1385	9/4	1450 / 1455	"	4.8	0.94	0.94	1.47	0.88		.5	6	0	"
1386	9/18	1414 / 1419	"	3.0	0.44	0.95	1.49	0.42		.6	7	0	"
1387	9/25	1425 / 1430	"	4.0	0.58	0.97	1.50	0.56		.5	5	0	"

DISCHARGE MEASUREMENTS OF SAN JOSE CREEK

AT Workman Mill Road DURING THE YEAR ENDING SEPTEMBER 30, 1959

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1388	10/2	1450 / 1455	WADDICOR	4.0	0.66	0.96	1.49	0.63		.5	5	0	FC52
1389	10/9	1454 / 1502	ROY	2.5	1.19	1.43	1.57	1.7		.6	6	0	"
1390	10/16	1510 / 1516	WADDICOR	4.0	0.90	0.95	1.58	0.86		.5	5	0	"
1391	10/30	1608 / 1618	WADDICOR-WALTER	3.2	1.28	1.64	1.61	2.1		.6	5	0	"
1392	11/6	1511 / 1517	WADDICOR	3.0	0.75	1.60	1.59	1.2		.5	7	0	"
1393	11/20	1520 / 1530	"	5.2	1.87	0.91	1.87	1.8		.5	7	0	"
1394	11/26	1452 / 1505	"	6.0	1.76	0.96	1.85	1.7		.6	7	0	"
1395	12/11	1508 / 1515	"	5.4	1.89	0.95	1.76	1.8		.6	7	0	"
1396	12/18	1520 / 1527	"	5.4	1.78	1.07	1.50	1.9		.6	7	0	"
1397	12/26	1650 / 1657	"	5.2	1.64	1.16	1.53	1.9		.5	7	0	"
1398	1/7	1348 / 1352	ROY-GARCIA	3.6	1.32	1.58	1.71	2.1		.6	5	0	FC51
1399	1/15	1512 / 1518	ROY	2.8	0.62	0.40	1.50	0.25		.5	4	0	FC52
1400	1/22	1525 / 1530	"	1.8	0.11	0.45	1.49	0.05		.5	5	0	"
1401	1/29	1556 / 1559	"	1.5	0.11	0.55	1.45	0.06		.5	4	0	"
1402	2/4	1530 / 1533	WADDICOR	1.5	0.19	1.10	1.41	0.21		.5	4	0	"
1403	2/13	0953 / 0958	"	3.0	0.59	1.02	1.52	0.60		.6	7	0	"
1404	2/16	1022 / 1026	ROY-PETERSEN	5.0	2.18	1.92	1.83	4.2		.6	4	0	FC51
1405	2/18	1533 / 1548	WADDICOR-GARCIA	4.2	1.34	1.04	1.67	1.4		.5	9	0	FC52
1406	2/22	1125 / 1130	WADDICOR-FALCONE	1.8	0.33	1.03	1.48	0.34		.5 / .6	5	0	FC37
1407	2/26	1428 / 1435	WADDICOR	3.0	0.63	0.83	1.44	0.52		.5	7	0	FC52
1408	3/5	1400 / 1405	"	2.5	0.44	0.91	1.43	0.40		.5	6	0	"
1409	3/12	1503 / 1506	"	2.0	0.21	0.62	1.42	0.13		.5	5	0	"
1410	3/19	1515 / 1520	"	2.5	0.43	0.93	1.49	0.38		.5	6	0	"
1411	3/26	1435 / 1440	WADDICOR	2.0	0.29	0.93	1.49	0.27		.5	5	0	FC52
1412	4/3	1253 / 1258	"	2.0	0.29	1.00	1.53	0.29		.5	5	0	"
1413	4/9	1535 / 1545	"	5.8	2.11	1.18	2.21	2.5		.5	7	0	"
1414	4/23	1540 / 1548	"	5.0	1.68	1.38	2.21	2.3		.5 / .6	8	0	"
1415	5/7	1430 / 1437	"	4.2	1.02	0.88	1.72	0.91		.6	6	0	"
1416	5/14	1432 / 1442	"	3.1	0.68	1.35	1.61	0.93		.5	7	0	"
1417	5/21	1612 / 1620	"	6.8	2.09	0.86	1.92	1.8		.5	8	0	"
1418	5/28	1740 / 1750	WADDICOR-LINDSAY	4.4	2.25	0.85	1.90	1.9		.5	9	0	"
1419	6/4	1514 / 1524	WADDICOR	4.9	2.50	0.96	2.06	2.4		.5	6	+.01	"
1420	6/18	1547 / 1557	"	5.2	1.96	0.97	1.90	1.9		.5	7	0	"
1421	6/25	1545 / 1553	BROOK-WADDICOR	3.5	0.67	1.28	1.79	0.86		.5	8	+.01	"
1422	7/2	1624 / 1630	BROOK	3.4	0.84	1.19	1.71	1.0		.5 / .6	6	0	"
1423	7/9	1608 / 1615	"	2.5	0.50	1.32	1.66	0.66		.5	6	0	"
1424	7/16	1456 / 1506	"	3.3	0.64	1.51	1.76	0.97		.5	8	0	"
1425	7/23	1515 / 1522	WADDICOR	2.7	0.58	1.07	1.69	0.62		.5	6	0	"
1426	7/30	1405 / 1412	"	2.5	0.45	1.09	1.67	0.49		.5	5	0	"
1427	8/6	1410 / 1415	"	4.0	0.86	1.06	1.82	0.91		.5	5	0	"
1428	8/13	1420 / 1425	"	3.5	0.78	0.91	1.76	0.71		.5	7	0	"
1429	8/27	1420 / 1428	"	2.0	0.36	1.17	1.70	0.42		.5	5	0	"
1430	9/3	1410 / 1415	"	2.5	0.54	0.94	1.74	0.51		.5	6	0	"
1431	9/10	1505 / 1510	"	4.8	1.19	0.84	1.73	1.0		.5	6	0	"
1432	9/17	1439 / 1449	"	3.5	0.59	0.98	1.70	0.58		.5	8	0	"
1433	9/24	1419 / 1426	"	4.8	1.51	0.93	1.74	1.4		.5	6	0	"

TSD74M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F48-R

Daily discharge, in second-feet of SAN JOSE CREEK at Workman Mill Road for the year ending September 30, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.1	0.9	0.1	2.1	2.0	4.1	8.3	11	3.1	0.8	0.3	0.7
2	0.1	0.5	0.1	2.3	2.2	1.8	13	12	3.0	0.7	0.4	0.8
3	0.1	24	0.7	2.1	53	1.8	4.8	11	2.8	0.7	0.4	0.8
4	0.1	2.9	1.0	1.9	7.8	1.9	b 1.2	11	2.6	0.7	0.4	0.9
5	0.2	0.9	25	1.7	10	1.8	b 1.2	10	2.4	0.6	0.4	0.8
6	0.2	3.8	12	1.4	4.0	22	1.8	12	2.7	0.6	0.5	0.8
7	0.2	1.0	b 0.8	1.3	2.4	8.7	4.7	11	3.0	0.6	0.5	0.8
8	0.2	0.8	0.8	1.2	2.3	1.5	b 1.0	11	2.7	0.6	0.4	0.8
9	0.2	1.0	0.7	1.1	2.4	1.5	0.3	7.0	2.7	0.6	0.5	0.7
10	0.2	1.2	0.7	1.2	2.2	1.6	0.2	5.6	2.6	0.6	0.4	0.7
11	2.5	1.2	0.7	1.0	2.7	1.3	0.2	4.8	3.0	0.6	0.4	0.6
12	5.6	1.5	b 0.7	1.2	3.6	1.6	0.2	11	2.1	0.7	0.4	0.6
13	0.8	2.2	0.7	1.4	3.8	2.8	0.2	4.4	1.9	0.8	0.4	0.6
14	12	1.8	0.4	1.6	2.8	1.8	0.2	4.7	1.6	0.8	0.4	0.6
15	1.0	1.7	3.6	1.4	3.1	2.4	0.2	6.0	1.3	0.9	9.4	0.6
16	0.4	1.4	5.0	1.9	2.8	4.5	0.2	6.4	1.2	1.0	10	0.5
17	0.3	1.2	3.7	1.9	3.1	b 0.9	0.2	5.6	1.0	1.1	0.7	0.5
18	0.3	0.9	b 2.7	1.9	3.2	b 0.8	0.2	5.6	2.0	1.1	0.6	0.5
19	0.2	1.0	1.4	1.8	5.9	b 0.7	0.2	6.7	1.5	1.1	0.4	0.5
20	0.3	1.0	1.4	2.4	b 1.7	1.0	0.2	6.1	1.1	1.1	0.4	0.5
21	4.5	1.0	1.4	2.6	1.6	3.0	0.2	5.0	1.0	1.1	0.4	0.6
22	0.6	0.8	1.4	2.4	1.4	3.6	b 0.2	4.6	1.1	1.2	0.5	0.6
23	0.3	0.5	1.4	2.2	1.3	b 1.5	4.0	4.4	1.0	1.3	0.5	0.6
24	0.3	0.6	1.4	1.4	b 1.2	1.4	11	5.0	1.0	1.3	0.5	0.6
25	0.2	0.6	1.4	7.2	3.5	1.3	9.3	5.6	1.0	1.1	0.5	0.6
26	0.2	0.4	b 1.4	6.7	b 1.0	b 1.2	11	5.4	0.9	0.9	0.5	0.6
27	0.2	0.8	1.4	15	b 0.9	3.3	9.7	4.2	0.9	0.8	0.5	0.6
28	0.2	0.6	1.8	4.0	b 0.8	7.1	9.3	4.0	0.8	0.6	0.6	0.6
29	0.2	0.3	1.8	3.2		4.8	12	4.0	0.8	0.5	0.6	0.6
30	0.2	0.2	1.8	2.8		5.6	11	3.6	0.8	0.4	0.6	0.7
31	5.8		2.3	1.8		1.5		3.0		0.2	0.7	
	37.7	56.7	190.4	142.4	287.5	298.6	276.4	211.7	53.6	25.1	33.2	19.4
MEAN	1.22	1.89	6.14	4.59	10.3	9.63	9.23	6.83	1.79	0.81	1.07	0.65
ACRE-FEET	75.	112.	378.	282.	570.	592.	548.	420.	106.	50.	66.	38.

Remarks:

YEAR OR PERIOD MEAN 4.47
ACRE-FEET 3240.

7607-6M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

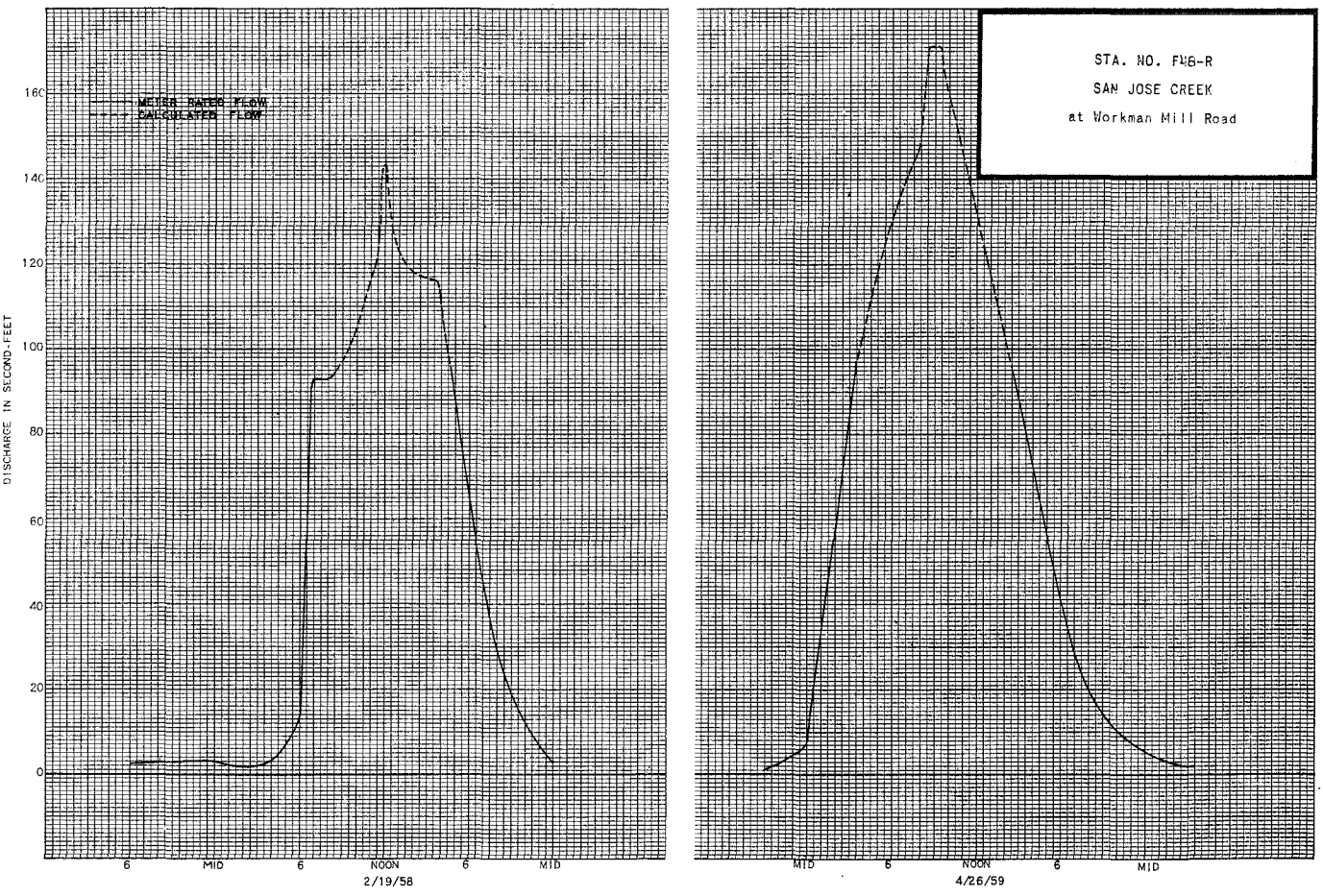
Sta. No. F46-R

Daily discharge, in second-feet of SAN JOSE CREEK at Workman Mill Road, for the year ending September 30, 1959

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.9	2.0	a 1.7	1.2	a 0.2	0.4	a 0.3	b 0.8	2.7	1.7	0.5	0.4
2	0.8	1.4	1.8	6.8	0.2	0.4	a 0.3	0.8	4.2	1.4	0.4	0.4
3	0.8	1.0	1.8	0.9	0.2	0.4	0.3	0.8	5.5	1.2	0.5	0.5
4	0.8	0.9	1.9	1.2	a 0.2	0.4	0.3	0.9	2.4	1.0	0.6	0.5
5	0.9	1.1	1.9	0.8	0.3	0.4	0.3	0.9	1.4	0.9	0.8	0.6
6	1.0	1.2	2.0	22	0.3	0.3	0.3	b 0.9	1.3	0.8	0.9	0.7
7	1.2	1.4	2.0	2.1	0.3	0.3	0.3	0.8	1.4	0.8	0.8	0.8
8	1.4	1.5	2.0	1.3	0.4	0.2	1.3	0.6	1.2	0.7	0.8	0.8
9	1.8	1.9	2.1	1.0	0.3	0.2	2.3	0.6	1.7	0.6	0.8	0.9
10	2.0	2.6	2.1	0.8	0.3	0.2	0.7	0.6	4.8	0.6	0.8	1.0
11	1.7	2.7	a 2.1	0.7	2.0	0.2	3.6	0.7	2.3	0.6	0.7	1.0
12	1.6	2.0	2.1	0.6	0.7	0.1	4.6	0.8	2.2	0.6	0.7	1.0
13	1.2	3.0	2.4	0.5	0.6	0.2	3.8	0.8	4.4	0.6	0.7	1.0
14	1.0	3.1	2.0	0.4	0.6	0.3	2.8	1.0	6.1	0.7	0.7	0.8
15	1.1	4.2	1.8	0.2	0.6	0.3	2.8	0.9	3.1	0.9	0.6	0.7
16	1.0	4.6	1.6	b 0.2	1.1	0.3	3.1	0.9	1.5	1.0	0.6	0.6
17	0.8	3.8	1.7	0.2	0.9	0.4	2.4	0.9	1.8	a 1.0	0.6	0.6
18	0.8	3.0	1.9	0.2	1.1	0.4	1.6	0.8	1.8	0.9	0.6	0.7
19	0.8	3.7	2.2	0.2	0.7	0.4	1.0	1.3	1.5	0.9	0.6	0.8
20	0.7	1.5	2.1	0.1	b 0.6	0.4	0.7	1.8	1.2	0.8	0.6	0.9
21	0.7	1.2	1.9	0.1	b 0.5	0.4	1.0	1.6	0.9	0.8	0.5	1.1
22	0.7	1.1	1.8	0.1	0.4	0.3	1.4	1.9	0.8	a 0.7	0.5	1.2
23	0.8	1.2	1.9	0.1	0.4	0.3	1.1	1.9	0.9	0.7	0.4	1.3
24	0.7	1.2	2.0	0.1	0.4	0.3	0.7	2.1	0.8	0.6	0.4	1.4
25	8.6	1.0	2.2	0.1	0.5	0.3	1.2	1.9	0.8	0.6	0.4	a 1.5
26	5.0	a 1.5	1.8	0.1	0.5	0.3	8.6	3.5	1.0	0.6	0.4	1.6
27	3.1	1.5	1.4	0.1	0.5	a 0.3	1.5	3.5	1.2	0.6	0.4	1.7
28	2.8	1.6	1.8	0.1	0.5	0.3	b 1.4	2.3	1.2	0.6	0.5	1.8
29	2.8	1.6	1.7	b 0.1		0.3	1.2	2.8	1.4	0.6	0.4	1.9
30	2.3	a 1.7	1.5	a 0.1		a 0.3	b 1.0	4.0	1.6	0.5	0.4	a 2.0
31	2.2		1.7	a 0.2		a 0.3		3.2		0.5	0.4	
	32.0	60.2	58.9	42.6	15.3	9.6	129.3	46.3	63.1	24.5	18.0	30.2
MEAN	1.68	2.01	1.90	1.37	0.55	0.31	4.31	1.49	2.10	0.79	0.58	1.01
ACRE-FEET	103.	119.	117.	84.	30.	19.	256.	92.	125.	49.	36.	60.

Remarks:

YEAR OR PERIOD MEAN 1.51
ACRE-FEET 1090.



STATION U4-R
SANTA ANITA CREEK above Santa Anita Dam

LOCATION: WATER-STAGE RECORDER, LAT. 34°11'30", LONG. 118°00'59", IN SW 1/4, NE 1/4, NE 1/4, SEC. 10, T.1N, R.11W, AT HEAD OF HERMITS FALLS, 0.9 MILE UPSTREAM FROM BIG SANTA ANITA DAM AND THREE MILES NORTHEAST OF SIERRA MADRE. ALTITUDE OF GAGE 1475.3 FEET ABOVE MEAN SEA LEVEL.

DRAINAGE AREA: 10.5 SQUARE MILES.

RECORDS AVAILABLE: JULY 1916 TO SEPTEMBER 1959.

AVERAGE DISCHARGE: 43 YEARS, 5.81 SECOND-FEET.

EXTREMES:
1957-58
MAXIMUM DISCHARGE 867 SECOND-FEET APRIL 3 (GAGE HEIGHT 5.84 FEET).
MINIMUM DAILY 0.3 SECOND-FOOT OCTOBER 10.
1958-59
MAXIMUM 710 SECOND-FEET JANUARY 6 (GAGE HEIGHT 5.32 FEET).
MINIMUM DAILY 0.6 SECOND-FOOT AUGUST 9-10.
1916-59
MAXIMUM DISCHARGE, ABOUT 5200 SECOND-FEET MARCH 2, 1938, BASED ON INFLOW TO BIG SANTA ANITA RESERVOIR.
MINIMUM PRACTICALLY NO FLOW AUGUST 18 TO SEPTEMBER 14, 1929.

REMARKS: RECORDS GOOD. NO DIVERSIONS ABOVE STATION.

COOPERATION: RECORDS FURNISHED BY THE UNITED STATES GEOLOGICAL SURVEY, WATER RESOURCES BRANCH. TWENTY-ONE DISCHARGE MEASUREMENTS FURNISHED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF SANTA ANITA CREEK

at above Santa Anita Dam DURING THE YEAR ENDING SEPTEMBER 30, 1958

NO.	DATE	BEGIN	END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	D. MT. DISCHARGE TOTAL	METER NO.
1476	10/3			U.S.G.S.	1.3	0.49	1.24	0.90	0.61		.6	8	-.01	
1477	10/14			"	2.8	1.19	1.98	0.87	2.36		.5 .6	15	0	
1478	10/28			"	2.0	0.62	1.87	0.77	1.16		EST. .6	11	0	
1479	11/6	1144	1202	HOLLERON	8.5	1.77	0.85	0.81	1.48		.5	14	0	FC48
1480	11/13			U.S.G.S.	CHANNELS			0.79	1.33		.5 .6	15	0	
1481	11/16			"	3.1	1.05	1.24	0.80	1.30		.5	8	0	
1482	12/3			"	3.4	0.98	1.08	0.76	1.06		.5	12	0	
1483	12/9	1045	1100	HOLLERON	6.8	1.88	0.96	0.88	1.84		.5	13	0	FC48
1484	12/14			U.S.G.S.	3.6	1.35	1.12	0.87	1.51		.6	12	0	
1485	12/17			"	14.5	10.8	3.43	1.80	37.0		.6	30	-.04	
1486	12/29			"	2.8	1.63	1.74	0.78	2.84		.6	10	0	
1487	1/12			"	2.9	1.32	1.61	0.75	2.13		.6	11	0	
1488	1/28			"	8.7	5.61	1.32	0.93	7.42		.5 .6	27	0	
1489	2/3			"	16.0	13.1	3.69	1.97	48.3		.5 .6	22	-.05	
1490	2/5			"	19.0	16.3	4.62	2.23	75.3		.5 .6	21	-.01	
1491	2/15			"	12.0	7.68	1.51	1.58	11.6		.5 .6	24		
1492	2/19			"	25.0	31.1	7.95	3.50	247.			11	-.45	
1493	2/21			"	13.5	11.1	2.39	1.75	26.5		.6	21		
1494	2/26			"	12.8	10.8	2.23	1.66	24.1		.6	18	+.02	
1495	3/15			"	12.9	12.1	2.07	1.70	25.0		.6	25	+.05	
1496	3/25			"	15.3	16.8	2.11	1.71	35.5		.6	18	.005	
1497	3/29			"	14.8	14.2	2.24	1.61	31.8		.6	27		
1498	4/3			"	33.0	46.2	9.50	4.23	439.		.6	16		
1499	4/10			"	26.0	25.4	3.37	2.92	85.7		.5 .6	19	0	
1500	4/17			"	12.1	19.2	2.54	2.03	48.7		.5 .6	25	-.06	
1501	5/1			"	11.9	15.4	1.62	1.57	24.9		.5 .6	25	+.02	
1502	5/15			"	11.7	13.1	1.18	1.39	15.5		.6	24	0	
1503	5/20			"	9.4	10.9	1.35	1.35	14.7		.6	20	0	
1504	6/4			"	9.1	9.66	1.16	1.26	11.2		.6	20	+.03	
1505	6/11			"	9.2	9.70	1.04	1.29	10.1		.5 .6	20	0	
1506	6/18			"	8.8	8.88	0.96	1.23	8.55		.5 .6	18	0	
1507	7/2			"	9.0	8.57	0.85	1.18	7.28		.5 .6	15	0	
1508	7/14	1316	1330	HOLLERON	8.9	7.94	0.78	1.11	6.17		.6	11	0	FC56
1509	7/16			U.S.G.S.	8.6	8.06	0.69	1.12	5.57		.5 .6	13	0	
1510	7/24	1026	1040	HOLLERON	8.8	7.67	0.75	1.09	5.76		.6	10	0	FC56
1511	8/6			U.S.G.S.	8.3	7.17	0.62	1.04	4.42		.2 .8	20	0	
1512	8/14	1022	1034	HOLLERON	8.5	7.38	0.65	1.02	4.82		SURF	10	0	FC56
1513	8/19	1140	1154	"	8.6	7.18	0.57	0.99	4.11		.6	10	0	"
1514	9/3			U.S.G.S.	5.0	2.97	1.17	0.93	3.47		.5 .6	18	0	
1515	9/17			"	5.0	2.66	1.04	0.87	2.76		.6	18	0	

DISCHARGE MEASUREMENTS OF SANTA ANITA CREEK

at above Santa Anita Dam DURING THE YEAR ENDING SEPTEMBER 30, 1959

NO.	DATE	BEGIN	END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	D. MT. DISCHARGE TOTAL	METER NO.
1517	10/1			U.S.G.S.	8.4	4.75	0.54	0.86	2.58		.6	20	0	
1518	10/15			"	4.0	1.93	1.18	0.87	2.27		.6	14	0	
1519	10/23	1602	1614	HOLLERON	8.9	4.94	0.61	0.88	2.95		.6	11	0	FC48
1520	10/29			U.S.G.S.	4.8	2.15	1.16	0.90	2.50		.5 .6	13	+.01	
1521	11/7	0823	0837	HOLLERON	7.2	4.19	0.67	0.91	2.80		.6	13	+.02	FC48
1522	11/20			U.S.G.S.	4.8	2.5	1.04	0.89	2.57		.6	15	0	
1523	12/4	1352	1406	HOLLERON	7.2	3.75	0.64	0.86	2.37		.6	13	0	FC48
1524	12/10			U.S.G.S.	4.8	2.35	0.85	0.86	2.00		.5 .6	17	0	
1525	12/18	1156	1208	HOLLERON	7.2	3.49	0.83	0.83	2.25		.6	11	0	FC48
1526	12/22			U.S.G.S.	4.9	2.04	1.10	0.84	2.24		.5 .6	17	0	
1527	1/2	0840	0854	HOLLERON	7.3	3.50	0.66	0.85	2.34		.6	13	0	FC48
1528	1/8			U.S.G.S.	7.4	3.84	1.94	1.20	7.46		.6	26	0	
1529	1/14	1530	1544	HOLLERON	8.0	6.05	0.46	1.14	2.76		.6	13	0	FC48
1530	1/21			U.S.G.S.	4.5	1.61	1.75	1.13	2.82		.6	16	0	
1531	1/29	1055	1105	BOWMAN	4.8	1.32	1.67	1.11	2.17		.5	8	0	FC48
1532	2/5			U.S.G.S.	4.5	1.81	1.59	1.11	2.88		.6	12	0	
1533	2/18			"	11.5	13.0	1.15	1.46	13.7		.5 .6	12	0	
1534	3/3			"	5.0	2.72	1.65	1.21	4.50		.6	11	0	
1535	3/12			"	5.0	2.42	1.58	1.17	3.82		.6	13	0	
1536	3/26	1448	1456	HOLLERON	4.2	2.17	1.38	1.10	2.96		.6	11	0	FC48
1537	4/8			U.S.G.S.	4.4	2.04	1.29	1.10	2.64		.6	12	0	
1538	4/5	1150	1200	HOLLERON	4.0	1.93	1.30	1.08	2.48		.6	9	0	FC48
1539	4/20			U.S.G.S.	4.2	1.89	1.47	1.08	2.77		.5 .6	15	0	
1540	4/30	1024	1034	HOLLERON	7.3	1.66	1.69	1.08	2.76		.5	11	0	FC48
1541	5/8			U.S.G.S.	5.7	1.39	1.41	1.04	1.96		.5	16	0	
1542	5/14	0952	1004	HOLLERON	5.3	1.41	1.56	1.06	2.22		.6	11	0	FC48
1543	5/28	1052	1102	"	5.6	1.43	1.61	1.05	2.33		.6	10	0	"
1544	6/5			U.S.G.S.	4.0	1.60	1.21	1.08	1.94		.6	13	0	
1545	6/11	0911	0919	HOLLERON	5.5	1.28	1.49	1.06	1.91		.5 .6	10	0	FC48
1546	6/18			U.S.G.S.	5.2	1.10	1.31	1.04	1.44		.5	14	0	
1547	6/25	0950	1000	HOLLERON	3.4	0.89	1.65	1.03	1.47		.6	9	0	FC48
1548	7/2	1002	1012	"	3.2	0.94	1.69	1.03	1.59		.6	9	0	"
1549	7/2			U.S.G.S.	3.6	1.23	1.27	1.06	1.56		.6	13	+.03	
1550	7/16	0908	0918	BOWMAN	3.2	0.71	1.50	1.01	1.06		.5	7	0	FC48
1551	7/30	1106	1116	"	3.2	0.73	1.37	0.98	1.01		.5	9	0	"
1552	8/5			U.S.G.S.	2.3	0.67	1.34	0.98	0.90		.5 .6	10	0	
1553	8/13	1152	1158	HOLLERON	2.1	0.59	1.44	0.95	0.85		.5	6	0	FC48
1554	8/27	1106	1114	"	2.2	0.60	1.58	0.95	0.95		.5	7	0	"
1555	9/3			U.S.G.S.	2.2	0.56	1.48	0.94	0.83		.5	12	0	
1556	9/10	0954	1000	HOLLERON	2.2	0.51	1.53	0.93	0.78		.5	7	0	FC48
1557	9/17			U.S.G.S.	2.2	0.61	1.66	0.95	1.01		.5	12	0	
1558	9/24	1030	1038	HOLLERON	2.2	0.65	1.70	0.96	1.09		.5	7	0	FC48

76D74M Cdb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U4-R

Daily discharge, in second-feet of SANTA ANITA CREEK above Santa Anita Dam, for the year ending September 30, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.4	1.5	1.2	2.6	5.4	17	173	26	11	7.1	4.0	2.9
2	0.5	2.6	1.2	2.5	5.0	16	113	25	11	7.1	4.0	3.1
3	0.5	3.7	1.1	2.5	6.5	15	413	24	11	6.9	4.0	3.1
4	0.5	2.1	1.3	2.5	186	15	194	23	12	6.6	3.8	2.9
5	0.4	1.6	1.0	2.5	69	14	146	22	12	6.6	3.6	2.8
6	0.4	1.5	3.6	2.3	30	19	133	21	12	6.6	3.8	2.6
7	0.4	1.4	2.5	2.3	22	15	134	20	11	6.4	4.0	2.6
8	0.4	1.4	2.1	2.3	16	13	111	20	11	6.1	3.8	2.6
9	0.4	1.4	1.9	2.2	15	12	96	20	11	5.9	3.6	2.6
10	0.3	1.4	1.8	2.2	15	12	86	19	10	5.6	3.6	2.6
11	1.6	1.4	1.7	2.1	14	13	78	19	9.7	5.9	3.8	2.6
12	1.4	1.4	1.6	2.1	14	12	70	19	9.7	5.6	3.8	2.6
13	1.2	1.5	1.5	2.1	13	13	63	17	9.4	5.9	4.2	2.8
14	2.4	1.4	1.4	2.1	13	12	58	16	9.1	6.1	4.2	2.8
15	1.5	1.4	2.0	2.1	12	27	53	15	8.8	6.1	4.6	2.6
16	1.3	1.3	3.6	2.1	12	135	50	15	8.8	5.6	4.4	2.5
17	1.1	1.3	4.3	2.1	11	55	48	15	8.5	5.2	4.4	2.5
18	1.1	1.2	9.4	2.1	11	41	45	15	8.5	5.4	4.4	2.3
19	1.2	1.2	6.4	2.1	77	36	42	15	8.2	5.2	4.0	2.3
20	1.5	1.2	5.0	2.1	28	35	38	15	7.9	5.2	3.8	2.3
21	2.1	1.1	4.6	2.1	26	34	37	14	7.9	5.2	3.8	2.3
22	1.6	1.1	4.0	2.1	21	59	36	13	7.7	5.2	3.8	2.6
23	1.4	1.2	3.6	2.1	19	44	34	14	7.4	5.4	3.8	3.8
24	1.3	1.2	3.4	2.1	17	40	33	13	7.4	5.2	3.6	3.6
25	1.2	1.2	3.3	4.1	38	36	31	13	7.4	5.0	3.6	2.9
26	1.2	1.2	3.1	46	24	31	29	12	7.1	5.0	3.4	2.6
27	1.1	1.2	2.9	12	20	43	28	12	7.1	5.0	3.6	2.5
28	1.2	1.2	2.8	7.4	18	39	27	12	7.1	4.8	3.6	2.5
29	1.2	1.2	2.8	5.9		33	27	12	7.1	4.6	3.8	2.5
30	1.2	1.2	2.6	5.9		32	26	11	7.1	4.4	3.4	2.5
31	1.9		2.6	5.6		32		12		4.2	3.1	
	33.9		188.4		816.4		2452		273.9		119.3	
		43.7		140.2		950		519		175.1		80.9
MEAN	1.09	1.46	6.08	4.52	29.2	30.6	81.7	16.7	9.13	5.65	3.85	2.70
ACRE-FEET	67.	87.	374.	278.	1620.	1880.	4860.	1030.	543.	347.	237.	160.

Remarks:

YEAR OR PERIOD MEAN 15.9
ACRE-FEET 11,480.

76D74M Cdb 11-57

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U4-R

Daily discharge, in second-feet of SANTA ANITA CREEK above Santa Anita Dam, for the year ending September 30, 1959

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.5	2.3	2.3	2.2	2.3	5.3	2.8	2.8	1.8	1.6	0.8	0.8
2	2.2	2.3	2.3	2.3	2.5	5.3	2.5	2.6	1.6	1.5	0.7	0.8
3	2.3	2.3	2.3	2.3	2.6	4.6	2.5	2.3	1.6	1.3	0.7	0.8
4	2.5	2.2	2.3	2.3	2.6	4.3	2.5	2.5	1.6	1.3	0.8	0.6
5	2.3	2.2	2.3	2.6	2.9	5.0	2.5	2.1	1.7	1.2	0.8	0.8
6	2.6	2.2	2.2	6.0	2.8	5.0	2.6	2.1	1.7	1.3	0.7	0.7
7	2.8	2.3	2.2	9.6	3.1	4.6	2.6	2.1	2.1	1.2	0.7	0.8
8	2.9	2.3	2.1	7.5	9.7	4.3	2.6	2.2	2.0	1.2	0.7	0.8
9	2.6	2.3	2.1	7.0	5.5	4.3	2.3	2.2	2.0	1.0	0.6	0.8
10	2.3	2.8	2.0	6.3	5.7	4.1	2.2	2.1	2.0	0.9	0.6	0.8
11	2.5	3.1	1.8	5.3	5.1	4.0	2.1	2.0	1.8	0.8	0.8	0.8
12	2.2	2.8	2.0	4.3	1.6	3.8	2.1	2.2	1.7	0.9	0.8	0.8
13	2.1	2.6	2.0	3.8	8.5	3.8	2.1	2.2	1.6	0.9	0.6	0.9
14	2.1	2.6	2.0	2.8	6.8	3.8	2.1	2.2	1.3	1.0	0.8	0.9
15	2.0	2.8	2.0	2.8	6.4	3.5	2.3	2.2	1.3	0.9	0.8	1.0
16	2.0	2.8	2.1	2.6	7.0	3.5	2.5	2.2	1.3	1.0	0.8	1.0
17	2.0	2.8	2.1	2.6	2.5	3.5	2.5	2.2	1.3	1.0	0.8	1.0
18	2.1	2.8	2.2	2.8	1.5	3.5	2.6	2.2	1.2	1.0	1.0	1.0
19	2.2	2.8	2.2	2.8	1.1	3.5	2.8	2.3	1.2	0.9	1.2	1.0
20	2.6	2.5	2.2	2.8	9.0	3.5	2.8	2.3	1.1	1.0	1.1	1.0
21	2.6	2.3	2.2	2.8	1.1	3.3	2.5	2.3	1.1	1.0	1.0	1.0
22	2.6	2.3	2.2	2.6	8.5	3.1	2.5	2.3	1.1	1.1	0.9	1.0
23	2.9	2.3	2.3	2.6	8.0	3.1	2.5	2.5	1.1	1.1	0.9	1.0
24	3.3	2.3	2.3	2.3	7.2	3.1	2.5	2.5	1.2	0.9	1.0	1.0
25	4.8	2.2	2.3	2.3	7.0	3.1	4.9	2.5	1.3	0.8	1.0	1.0
26	3.5	2.3	2.5	2.3	6.5	3.1	6.7	2.5	1.6	0.8	1.0	0.9
27	3.1	2.5	2.6	2.3	6.5	3.1	3.8	2.5	1.6	0.9	1.0	0.9
28	2.9	2.5	2.6	2.2	5.5	3.1	3.3	2.3	1.7	0.9	1.0	1.0
29	2.3	2.7	2.5	2.2		3.1	2.6	2.3	1.7	0.9	0.8	1.0
30	2.3	2.7	2.1	2.5		3.1	2.6	2.3	1.7	0.9	0.8	1.1
31	2.2		2.2	2.3		3.1		2.1		0.8	0.8	
	79.3		68.5		318.6		82.9		46.0		25.2	
		74.2		160.9		117.5		71.1		32.0		27.2
MEAN	2.56	2.48	2.21	5.19	11.4	3.79	2.76	2.29	1.53	1.03	0.85	0.91
ACRE-FEET	157.	147.	136.	319.	632.	233.	164.	141.	91.	63.	52.	54.

Remarks:

YEAR OR PERIOD MEAN 303.
ACRE-FEET 2190.

STATION F119B-R
SANTA ANITA CREEK below Santa Anita Dam

LOCATION: WATER-STAGE RECORDER. LAT 34°11'03", LONG. 118°01'07". ON THE LEFT (EAST) WALL OF THE CONCRETE OUTLET CHANNEL IMMEDIATELY BELOW SANTA ANITA DAM. THIS STATION MEASURES LOW FLOWS ONLY. MAJOR VALVE DISCHARGES PASS OVER STATION. ELEVATION OF GAGE ABOUT 1100 FEET.

DRAINAGE AREA: 10.8 SQUARE MILES.

CHANNEL AND CONTROL: RECTANGULAR CONCRETE CHANNEL WITH FLASHBOARD GATE CONTAINING A V-NOTCH WEIR. WEIR NOT IN OPERATION FROM FEBRUARY 16, 1954 TO MAY 21, 1959.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. NO FACILITIES FOR MEASURING OR RECORDING FLOWS OVER TEN SECOND-FEET.

RECORDER: NO RECORDER RECORD FROM FEBRUARY 16, 1954 TO MAY 21, 1959. AN H.C.F. RECORDER WAS IN SERVICE FROM MAY 21, 1959 TO SEPTEMBER 30, 1959.

REGULATION: FLOW ENTIRELY REGULATED BY SANTA ANITA DAM.

DIVERSIONS: NONE.

RECORDS AVAILABLE: FEBRUARY 6, 1948 TO SEPTEMBER 30, 1959. EARLIER RECORDS ARE AVAILABLE FROM DAM OUTFLOW RECORDS AND STATION 119 LOCATED APPROXIMATELY 1/4 MILE DOWNSTREAM. PERIODS WHEN RECORDER NOT OPERATING COMPUTED FROM DAM RECORDS.

EXTREMES OF DISCHARGE:
1957-58
MAXIMUM NOT DETERMINED.
MINIMUM DRY VARIOUS TIMES.
1958-59
MAXIMUM 46.1 SECOND-FEET FEBRUARY 16.
MINIMUM NO FLOW VARIOUS TIMES.

ACCURACY: GOOD.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF SANTA ANITA CREEK

AT below Santa Anita Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 59

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
76	5/21	1200	HOLLERON	90° V-NOTCH WEIR			0.92	2.1					
77	5/28	1206	"	"	"	"	0.93	2.1					
78	6/11	1020	"	"	"	"	0.08	0.03					
79	6/18	1052	HOLLERON-BLAKELY	"	"	"	0.18	0.05					
80	7/2	0902	HOLLERON	"	"	"	0.21	0.05					
81	7/16	1030	BOWMAN	"	"	"	0.79	1.4					
82	7/23	1206	HOLLERON	"	"	"	0.78	1.4					
83	7/30	1018	HOLLERON	90° V NOTCH WEIR			0.78	1.4					
84	8/6	1020	"	"	"	"	0.77	1.3					
85	8/13	1102	"	"	"	"	0.77	1.3					
86	8/20	0930	"	"	"	"	0.76	1.3					
87	8/27	1005	"	"	"	"	0.76	1.3					
88	8/28	1134	"	"	"	"	0.83	1.6					
89	9/2	0906	"	"	"	"	0.22	0.06					
90	9/17	1100	"	"	"	"	0.21	0.05					

74D74M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F119B-R

Daily discharge, in second-feet of SANTA ANITA CREEK below Santa Anita Dam for the year ending September 30, 19 58

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.5	2.2	0.8	3.2	3.3	21	90	25	13.1	11.4	2.8	0.6
2	1.5	2.2	0.8	3.2	3.3	21	98	25	13.1	10.0	2.8	0.6
3	1.5	2.2	0.8	2.4	23	20	161	25	13.1	10.7	2.8	0.7
4	1.5	2.1	0.8	1.7	111	20	229	25	13.1	12.8	2.8	1.9
5	1.5	2.1	0.8	1.7	73	20	249	22	13.1	12.2	2.8	3.1
6	1.5	2.1	1.6	1.7	60	14.9	164	18.9	13.0	12.1	2.8	3.1
7	1.5	2.1	2.0	1.7	41	25	110	18.9	13.0	12.1	2.8	3.1
8	1.5	2.1	2.0	1.7	40	22	89	19.0	12.9	12.0	2.8	3.1
9	1.5	2.1	2.0	1.7	36	11.7	75	19.0	12.9	12.0	2.8	3.1
10	1.5	2.1	2.0	1.7	30	11.7	76	19.0	12.8	11.9	2.8	3.1
11	1.5	2.1	2.0	1.7	25	11.7	58	19.0	12.8	11.9	2.8	3.1
12	1.5	2.1	1.8	1.7	15.0	11.7	44	16.6	12.7	11.8	2.8	3.1
13	1.5	2.1	1.8	1.7	12.5	11.7	45	15.5	12.7	11.8	2.8	3.1
14	1.5	2.1	1.8	1.7	9.0	11.7	46	15.5	12.7	11.7	2.8	3.1
15	1.5	2.1	1.8	1.7	9.2	28	46	14.9	12.6	11.7	2.8	3.1
16	1.5	2.1	13.5	1.7	9.5	65	47	15.5	12.6	11.6	2.8	3.1
17	1.5	2.1	27	1.7	9.8	45	48	15.5	12.6	11.6	2.8	6.6
18	1.5	1.6	24	1.7	29	45	48	15.5	12.6	11.5	11.1	6.5
19	1.5	0.7	17.1	1.7	44	45	49	15.5	11.5	11.5	17.1	3.1
20	1.5	0.7	7.8	1.7	44	45	50	15.5	9.0	11.4	17.1	3.1
21	1.8	0.7	7.8	1.7	39	40	36	15.5	6.7	11.4	17.0	3.1
22	2.2	0.7	7.8	1.7	28	65	33	15.5	6.7	11.3	16.8	3.1
23	2.2	0.8	7.8	1.7	28	70	33	15.5	8.4	11.2	16.6	3.1
24	2.2	0.8	4.7	1.7	19.7	51	34	15.5	9.8	11.1	16.2	2.4
25	2.2	0.8	3.2	1.7	18.9	45	34	15.5	9.8	8.0	15.3	2.1
26	2.2	0.8	3.2	13.0	21	33	34	15.5	9.8	2.8	14.9	2.1
27	2.2	0.8	3.2	21	21	37	30	15.5	11.7	2.8	15.9	2.1
28	2.2	0.8	3.2	20	21	45	25	14.1	12.5	2.8	17.8	2.1
29	2.2	0.8	3.2	19.9		46	25	13.1	12.3	2.8	17.1	2.1
30	2.2	0.8	3.2	14.2		35	25	13.1	12.1	2.8	16.0	2.1
31	2.2		3.2	3.3		25		13.1		2.8	13.4	
	53.8	46.8	162.7	137.6	824.2	999.1	2131	537.7	351.7	302.9	269.9	84.6
MEAN	1.74	1.56	5.25	4.44	29.4	32.2	71.0	17.3	11.7	9.77	8.71	2.82
ACRE-FEET	107.	93.	323.	273.	1640.	1980.	4230.	1070.	698.	601.	535.	168.

Remarks:

YEAR OR PERIOD MEAN 16.2
ACRE-FEET 11,700.

78D74M Cfs 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F119B-R

Daily discharge, in second-feet of SANTA ANITA CREEK below Santa Anita Dam, for the year ending September 30, 1959

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.1	3.0	3.0	2.1	2.2	3.3	3.3	4.0	2.1	+	1.4	1.1
2	2.1	3.0	3.0	2.1	2.2	3.3	3.3	2.0	1.0	|	1.4	0.06
3	2.1	3.0	3.0	2.1	2.2	3.3	3.3	2.0	0.07	|	1.4	0.06
4	2.1	3.0	3.0	2.1	2.2	3.3	3.3	2.0	+	|	1.4	0.06
5	2.1	3.0	3.0	2.1	2.2	12.3	3.3	2.0	|	|	1.3	0.06
6	2.6	3.1	3.0	9.6	2.2	10.5	3.3	2.0	|	|	1.3	0.06
7	3.0	3.1	3.0	17	2.2	3.3	3.3	2.0	|	|	1.3	0.06
8	3.0	3.1	3.0	16.2	2.2	3.3	3.3	2.0	|	|	1.3	0.06
9	3.0	3.1	3.0	7.5	2.2	3.3	3.3	2.0	|	|	1.3	0.06
10	3.0	3.1	3.0	1.0	2.2	3.3	3.3	2.0	|	|	1.3	0.05
11	3.0	3.2	3.0	0.2	13.3	3.3	3.3	2.0	|	|	1.3	0.05
12	3.0	3.2	3.0	0.2	2.4	3.3	3.3	2.0	|	|	1.3	0.05
13	3.0	3.2	3.0	0.2	2.2	3.3	3.3	2.0	|	|	1.3	0.05
14	3.0	3.2	3.0	0.2	2.2	3.3	3.3	2.0	|	+	1.3	0.05
15	3.0	3.2	3.0	0.2	2.2	3.3	3.3	2.0	|	0.7	1.3	0.05
16	3.0	3.2	3.0	0.1	2.9	3.3	3.3	2.1	|	1.4	1.3	0.05
17	3.0	3.2	3.0	0.1	3.8	3.4	3.3	2.1	|	1.4	1.3	0.05
18	3.0	3.2	2.8	0.1	2.9	3.4	3.3	2.1	|	1.4	1.3	0.05
19	3.0	3.2	2.6	0.1	2.2	3.4	3.3	2.1	|	1.4	1.3	0.05
20	3.0	3.2	2.6	0.1	11.5	3.4	7.1	2.1	|	1.4	1.3	0.05
21	3.0	3.1	2.6	0.1	8.2	3.4	7.1	2.0	|	1.4	1.3	0.05
22	3.0	3.1	2.2	0.1	8.2	3.4	5.2	2.1	|	1.4	1.3	0.05
23	3.0	3.1	2.0	0.1	8.2	3.4	6.8	2.1	|	1.4	1.3	0.05
24	3.0	3.1	2.0	0.1	6.5	3.4	6.8	2.1	|	1.4	1.3	0.05
25	3.0	3.1	2.0	0.1	3.2	3.4	5.2	2.1	|	1.4	1.3	0.05
26	3.0	3.1	2.0	0.1	3.3	3.4	5.2	2.1	|	1.4	1.3	0.05
27	3.0	3.1	2.1	1.1	3.3	3.4	5.2	2.1	|	1.4	1.4	0.05
28	3.0	3.1	2.1	2.2	3.3	3.4	5.2	2.1	|	1.4	1.6	0.05
29	3.0	3.1	2.1	2.2		3.4	6.4	2.1	|	1.4	1.6	0.05
30	3.0	3.1	2.1	2.2		3.4	7.4	2.1	|	1.4	1.6	0.05
31	3.0		2.1	2.2		3.4		2.1	|	1.4	1.6	
	88.1		82.3		299.0		130.3		3.17		42.0	
		93.5		73.8		120.0		65.5		23.1		2.63
MEAN	2.84	3.12	2.65	2.38	10.7	3.87	4.34	2.11	0.11	0.75	1.35	0.09
ACRE-FEET	175.	185.	163.	146.	593.	238.	258.	130.	6.3	46.	83.	5.2

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 2.80
ACRE-FEET 2030.

STATION F200B-R
SANTA ANITA WASH at Foothill Boulevard

LOCATION: WATER-STAGE RECORDER, LAT. 34°09'03", LONG. 118°01'37", ON THE DOWNSTREAM SIDE ON THE LEFT (EAST) END OF FOOTHILL BOULEVARD BRIDGE, ABOUT ONE MILE NORTH OF ARCADIA, AND APPROXIMATELY 0.2 MILE BELOW THE CONFLUENCE OF SANTA ANITA CREEK AND SIERRA MADRE WASH. THE FORMER STATION F260-R WAS ABOUT 0.4 MILE UPSTREAM FROM FOOTHILL BOULEVARD. ELEVATION OF ZERO GAGE HEIGHT, 519.70 FEET.

DRAINAGE AREA: 17.2 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - SAND, GRAVEL AND BOULDERS. BANKS PROTECTED WITH WIRE AND ROCK. NO ARTIFICIAL CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING; HIGH FLOWS MEASURED FROM UPSTREAM SIDE OF FOOTHILL BOULEVARD BRIDGE.

RECORDER: AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1957 TO APRIL 20, 1959. REMOVED FOR CHANNEL CONSTRUCTION.

REGULATION: FLOW PARTIALLY REGULATED BY BIG SANTA ANITA DAM AND SIERRA MADRE DAM.

DIVERSIONS: THE CITY OF SIERRA MADRE DIVERTS WATER FROM SIERRA MADRE WASH AND SANTA ANITA CREEK FOR SPREADING IN SIERRA MADRE SPREADING GROUNDS. THE FLOOD CONTROL DISTRICT DIVERTS WATER FROM SANTA ANITA CREEK FOR SPREADING AT MOUTH OF SANTA ANITA CANYON.

RECORDS AVAILABLE: APRIL 22, 1938 TO SEPTEMBER 30, 1959. FOR RECORDS PRIOR TO APRIL 1938, SEE STATIONS F21-R, F119-R AND F260-R.

EXTREMES OF DISCHARGE:

1957-58
MAXIMUM NOT DETERMINED.
MINIMUM NO FLOW MOST OF YEAR.

1958-59
MAXIMUM 1000 SECOND-FEET JANUARY 6.
MINIMUM NO FLOW MOST OF YEAR.

1936-59
MAXIMUM NOT DETERMINED.
MAXIMUM OUTFLOW FROM SANTA ANITA DAM, 5070 SECOND-FEET MARCH 2, 1938.
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: POOR.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF SANTA ANITA WASH

AT ~~NEAR~~ Foothill Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 1958

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATINGS	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
553	12/17	0430 / 0446	HOLLERON-BOYLES	45.5	10.1	2.86	9.10	28.9		.5	12	+.10	FC54
554	2/19	0748 / 0752	HOLLERON	COMPOSITE			11.29	32.0	FLOAT			-.20	
555	4/1	1740 / 1800	HOLLERON-VRADENBURG	34.0	28.6	6.71	11.0	192.		.6	18	0	FC56
556	4/3	2055 / 2116	HOLLERON-STUNDEN	42.5	55.5	5.62	8.4	312.		.6	12	0	"
557	4/3	2250 / 2305	" "	43.0	53.9	5.48	8.6	295.		.6	14	0	"
558	4/3	2332 / 2346	" "	41.5	41.4	6.44	8.60	267.		.6	13	0	"
559	4/4	0050 / 0105	" "	41.0	41.1	6.98	8.90	289.		.6	13	0	"
560	4/5	1313 / 1320	HOLLERON-MC BRIDE	34.0	39.4	6.67	4.20	262.		.6	12	0	"
561	4/5	1930 / 1942	" "	34.5	43.7	6.15	4.25	269.		.6	13	0	"
562	5/2	1344 / 1400	HOLLERON	16.5	12.4	1.01	3.39	12.5		.6	18	0	"
563	5/8	1152 / 1202	"	8.6	6.41	0.75	3.22	4.8		.6	10	0	"
564	5/15	1132 / 1140	HOLLERON-MC BRIDE	8.7	6.12	0.57	3.16	3.5		.6	10	0	"
565	5/21	1518 / 1528	HOLLERON	8.0	5.56	0.45	3.13	2.5		.6	9	0	"
566	5/29	1126 / 1136	"	4.2	3.50	0.57	3.11	2.0		.6	8	0	"
567	6/19	1142 / 1154	"	4.2	3.08	0.78	3.12	2.4		.6	10	0	"

DISCHARGE MEASUREMENTS OF SANTA ANITA WASH

AT ~~NEAR~~ Foothill Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 1959

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATINGS	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
568	1/8	1148 / 1156	HOLLERON-WALTON	9.0	1.94	1.70	3.34	3.3		.5	9	0	FC48
569	1/29	1325 / 1335	BOWMAN	5.5	0.69	1.60	2.84	1.1		.5	8	0	"
570	2/5	1038 / 1048	HOLLERON	5.0	0.72	1.94	3.30	1.4		.5	9	0	"
571	2/12	1032 / 1038	HOLLERON-WALTON	5.2	1.30	2.46	5.13	3.2		.5	8	-.02	"
572	2/26	1234 / 1240	HOLLERON	2.5	0.24	1.67	6.05	0.40		.5	6	0	"
573	4/25	1950 / 2000	HOLLERON-WALTON	14.7	7.48	3.34		25.0		.6	13		FC56

76D76M C&b 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F260B-R

Daily discharge, in second-feet of SANTA ANITA WASH at Foothill Boulevard, for the year ending September 30, 1958

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	v126	v 10	v 0.4	0	0	0
2	0	v 3.7	0	0	v 2.2	0	97	9.9	0.6	0	0	0
3	0	0	0	0	29	0	227	9.8	0.7	0	0	0
4	0	0	0	0	136	0	252	8.1	0.7	0	0	0
5	0	0	v 1.7	0	45	0	254	6.6	0.7	0	0	0
6	0	0	0	0	31	v 14	193	6.2	0.5	0	0	0
7	0	0	0	0	16	v 1.2	141	4.9	0.6	0	0	0
8	0	0	0	0	20	0	84	4.8	0.6	0	0	0
9	0	0	+	0	18	0	72	4.6	0.6	0	0	0
10	0	0	0	0	5.7	0	66	4.4	0.1	0	0	0
11	v 0.8	0	0	0	v 4.6	v 16	47	4.2	0.3	0	0	0
12	0	0	0	0	0	6.0	44	4.0	0.2	0	0	0
13	0	0	0	0	0	0.3	45	3.8	0.1	0	v 1.3	0
14	0	0	0.0	0	0	0	31	3.6	1.2	0	0	0
15	0	0	v 7.2	0	0	29	31	3.5	1.3	0	0	0
16	0	0	v16.0	0	0	58	31	3.3	1.1	0	0	0
17	0	0	v 6.0	0	0	17	32	3.1	1.2	0	0	0
18	0	0	+	0	v 18	20	32	2.9	3.4	0	0	0
19	0	0	0	0	90	22	33	2.8	3.6	0	0	0
20	v 1.3	0	0	0	24	23	33	3.6	v 1.1	0	0	0
21	0	0	0	0	12	25	20	2.5	0	0	0	0
22	0	0	0	0	1.8	51	16	2.3	0	0	0	0
23	0	0	0	0	1.3	56	15	2.4	0	0	0	0
24	0	0	0	v 1.8	0.3	33	15	2.0	0	0	0	0
25	0	0	0	v11	v 12	22	14	2.0	0	0	0	0
26	0	0	0	v11	0.3	14	14	1.9	0	0	0	0
27	0	0	0	0	0	30	12	1.8	0	0	0	0
28	0	0	0	0	0	25	4.9	1.7	0	0	0	0
29	0	0	0	0		24	4.6	1.6	0	0	0	0
30	0	0	0	0		21	v 5.1	1.4	0	0	0	0
31	v 2.5		0	0		v 10		v 1.3		0	0	
	4.6		30.9		467.2		1991.6		19.0		1.3	
		3.7		23.8		517.5		125.0		0		0
MEAN	0.15	0.12	1.00	0.77	16.7	16.7	66.4	4.03	0.63	0	0.04	0
ACRE-FEET	9.1	7.3	61.	47.	927.	1030.	3950.	248.	38.	0	2.6	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 8.72
ACRE-FEET 6320.

FADI4M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F260B-R

Daily discharge, in second-feet of SANTA ANITA CREEK at Foothill Boulevard, for the year ending September 30, 1959

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	V 0.1	0	0					
2	0	0	0	0	0.1	0	0					
3	0	0	0	0	0.1	0	0					
4	0	0	0	0	0.1	0	0					
5	0	0	0	V 6.2	0.1	0	0					
6	0	0	0	6.6	0.1	0	0					
7	0	0	0	8.2	0.1	0	0					
8	0	0	0	2.1	11	0	0					
9	0	0	0	1.2	0.1	0	0					
10	0	0	0	1.0	1.3	0	0					
11	0	0	0	0.8	33	0	0	RECORDER REMOVED FOR CHANNEL CONSTRUCTION	RECORDER REMOVED FOR CHANNEL CONSTRUCTION	RECORDER REMOVED FOR CHANNEL CONSTRUCTION	RECORDER REMOVED FOR CHANNEL CONSTRUCTION	RECORDER REMOVED FOR CHANNEL CONSTRUCTION
12	0	0	0	0.6	4.8	0	0					
13	0	0	0	0.4	3.0	0	0					
14	0	0	0	0.3	3.5	0	0					
15	0	0	0	0.2	3.0	0	0					
16	0	0	0	0.2	49	0	0					
17	0	0	0	0.1	4.3	0	0					
18	0	0	0	0.1	4.3	0	0					
19	0	0	0	+	3.1	0	0					
20	0	0	0	+	2.9	0	0					
21	0	0	0	0	9.1	0	V 0					
22	0	0	0	0	0.5	0	0					
23	0	0	0	0	0	0	0					
24	V 2.4	0	0	0	1.3	0	4.2					
25	V 8.8	0	0	+	0	0	1.2					
26	0	0	0	+	0	0	0					
27	0	0	0	0.1	0	0	0					
28	0	0	0	0.1	0	0	0					
29	0	0	0	0.1		0	0					
30	0	0	0	0.1		0	V 0					
31	0		0	V 0.1		0						
	11.2		0		134.9		43.2		EST. 0		EST. 0	
		0		87.9		0		EST. 0		EST. 0		EST. 0
MEAN	0.36	0	0	2.84	4.82	0	1.44	0	0	0	0	0
ACRE-FEET	22.	0	0	174.	268.	0	86.	0	0	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.76
ACRE-FEET 550.

STATION F63-R
SANTA CLARA RIVER above Lang Railroad Station

LOCATION: WATER-STAGE RECORDER, LAT. 34°25'59", LONG. 118°21'41", ON THE RIGHT (NORTH) BANK ABOUT 0.7 MILE ABOVE LANG RAIL ROAD STATION. ELEVATION OF ZERO GAGE HEIGHT ABOUT 1735 FEET.

DRAINAGE AREA: 157.3 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - SAND, GRAVEL AND ROCK. NO ARTIFICIAL CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING; HIGH FLOWS MEASURED FROM CABLE CAR FIVE FEET BELOW THE STATION.

RECORDER: A STEVENS CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1957 TO SEPTEMBER 30, 1959.

REGULATION: NONE.

DIVERSIONS: THERE ARE DIVERSIONS FOR IRRIGATION.

RECORDS AVAILABLE: RECORDER RECORDS AVAILABLE FROM OCTOBER 18, 1949 TO SEPTEMBER 30, 1959. STREAM FLOW MEASUREMENTS FROM NOVEMBER 1929.

EXTREMES OF DISCHARGE:
1957-58
MAXIMUM 1260 SECOND-FEET APRIL 3.
MINIMUM 1.0 SECOND-FOOT AT TIMES.
1958-59
MAXIMUM 40 SECOND-FEET JANUARY 6.
MINIMUM 1.1 SECOND-FOOT JULY 2.
1950-59
MAXIMUM 4200 SECOND FEET JANUARY 16, 1952.
MINIMUM 0.2 SECOND-FOOT VARIOUS TIMES IN 1950-51.

ACCURACY: GOOD.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF SANTA CLARA RIVER

AT OR NEAR above Lang R.R. Station DURING THE YEAR ENDING SEPTEMBER 30, 1966

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEQ. NO.	G. HT. CHANGE TOTAL	METER NO.
427	10/1	0827 / 0837	WHISLER	4.2	1.39	0.93	3.34	1.3		.5	9	0	FC59
428	10/3	1510 / 1520	"	4.1	1.33	0.98	3.32	1.3		.5	9	0	"
429	10/10	0845 / 0858	WHISLER-LINDSAY	4.1	1.23	0.98	3.32	1.2		.5	8	0	"
430	10/17	0832 / 0839	WHISLER-WOOD	4.0	1.38	1.01	3.33	1.4		.5	9	0	"
431	10/24	0820 / 0830	WHISLER	4.4	1.45	0.83	3.35	1.2		.5	10	0	"
432	10/31	1100 / 1110	BOWMAN	3.8	1.16	0.95	3.42	1.1		.5	9	0	"
433	11/7	1125 / 1130	" "	3.8	1.33	0.83	3.48	1.1		.5	7	0	"
434	11/14	1133 / 1139	WHISLER	4.0	1.12	1.07	3.29	1.2		.5 .6	9	0	"
435	11/21	0922 / 0930	"	4.0	1.02	1.08	3.28	1.1		.5 .6	9	0	"
436	11/27	0937 / 0945	"	4.0	1.04	0.96	3.30	1.0		.5	7	0	"
437	12/5	0840 / 0945	WHISLER-LUGO	4.1	1.25	0.88	3.34	1.1		.5 .6	9	0	FC59
438	12/12	0813 / 0922	WHISLER	4.2	1.27	0.87	3.32	1.1		.5 .6	9	0	"
439	12/19	0815 / 0824	"	4.2	1.43	0.77	3.38	1.1		.6	9	0	"
440	12/27	0900 / 0907	"	3.7	0.91	1.32	3.25	1.2		.5 .6	8	0	"
441	1/2	0845 / 0853	"	3.6	0.88	1.36	3.25	1.2		.5 .6	8	0	"
442	1/9	0800 / 0808	"	3.8	1.02	1.08	3.30	1.1		.5 .6	9	0	"
443	1/16	0753 / 0800	WHISLER-MOSES	4.0	1.13	0.88	3.35	0.97		.5 .6	9	0	"
444	1/23	0850 / 0900	WHISLER	3.8	0.96	1.11	3.27	1.1		.5 .6	9	0	"
445	1/30	0751 / 0800	"	3.9	1.01	1.09	3.27	1.1		.5 .6	9	0	"
446	2/5	1602 / 1608	WHISLER-MEDINA	5.2	2.79	1.36	3.52	3.8		.6	9	0	"
447	2/13	1307 / 1316	WHISLER	4.8	1.82	0.82	3.33	1.5		.6	10	0	"
448	2/20	1400 / 1421	"	CHANNELS			4.19	18.5		.5 .6	16	0	"
449	2/27	0845 / 0855	"	6.1	5.32	1.71	3.70	9.1		.6	8	0	FC41
450	3/6	1009 / 1015	"	6.1	4.82	1.39	3.58	6.7		.6	8	+.02	FC59
451	3/13	1324 / 1330	"	5.9	4.44	1.37	3.53	6.1		.6	8	0	"
452	3/16	1038 / 1046	WHISLER-STRINGER	8.0	8.99	1.59	3.94	14.3		.6	9	-.01	FC41
453	3/20	1110 / 1118	WHISLER	9.0	7.71	1.44	3.78	11.0		.6	10	0	"
454	3/21	1203 / 1210	"	6.5	6.03	2.09	3.84	12.6		.6	8	0	"
455	3/22	0746 / 0752	WHISLER-PROVENCIO	12.5	11.6	2.76	4.57	32.5		.6	8	0	"
456	3/26	1422 / 1432	BOWMAN	8.0	7.27	1.84	3.91	13.4		.5 .6	7	0	FC6
457	3/27	1358 / 1403	WHISLER-MOSES	CHANNELS			4.17	20.0		.6	8	0	FC41
458	4/1	0831 / 0838	" "		"		4.95	54.2		.6	8	+.02	"
459	4/2	1130 / 1137	" "	35.0	34.1	3.97	2.90	136.		.6	11	0	"
460	4/3	0844 / 0858	" "	46.0	131.	8.70	5.82	1140.		.6	9	+.28	"
461	4/3	1533 / 1602	" "	53.0	100.	5.58	3.56	558.		.6	13	-.08	FC32
462	4/4	1210 / 1221	" "	47.0	48.8	4.36	2.63	213.		.6	13	0	FC41
463	4/5	1355 / 1408	WHISLER-STRINGER	50.0	29.5	4.27	2.83	126.		.6	16	0	"
464	4/6	1250 / 1300	" "	50.0	33.1	4.84	3.15	160.		.5 .6	15	0	"
465	4/7	0742 / 0753	" "	51.0	28.3	4.49	3.30	127.		.5 .6	16	0	"
466	4/7	1555 / 1608	" "	55.0	29.3	4.44	3.42	130.		.5 .6	14	0	"
467	4/8	1217 / 1228	" "	41.0	22.2	4.34	3.37	96.4		.5 .6	11	0	"
468	4/9	1615 / 1624	" "	33.0	16.9	4.91	3.34	83.0		.6	13	0	"
469	4/10	1547 / 1559	" "	34.0	16.1	4.48	3.52	72.1		.5 .6	15	0	FC32
470	4/12	1050 / 1100	WHISLER	32.0	14.1	4.54	3.68	64.0		.5 .6	13	0	FC41
471	4/14	1506 / 1516	"	31.0	11.4	4.11	3.80	46.9		.5 .6	12	0	"
472	4/17	1255 / 1306	"	CHANNELS			4.66	37.6		.5 .6	10	0	"
473	4/21	1323 / 1340	BOWMAN	30.0	7.22	3.41	5.24	24.6		.5 .6	10	0	FC44
474	4/24	0818 / 0830	WHISLER	CHANNELS			5.44	26.0		.5 .6	17	0	FC41
475	4/28	1145 / 1154	"		"		5.39	21.3		.5	11	0	"
476	5/1	1432 / 1442	"		"		5.41	26.2		.5 .6	11	0	"
477	5/8	1342 / 1400	"		"		5.03	16.3		.5 .6	15	0	"
478	5/15	0806 / 0814	"		"		4.79	13.8		.5	10	0	"
479	5/21	0822 / 0830	"	8.5	3.20	2.53		8.1		.5	9	0	"
480	5/29	1333 / 1338	WHISLER-BURKE	9.0	3.40	2.35		8.0		.6	9	0	"
481	6/5	1443 / 1450	WHISLER	7.0	2.57	2.18	3.57	5.6		.5	8	0	"
482	6/12	1327 / 1335	"	9.0	2.93	2.18	3.77	6.4		.5	10	0	FC59
483	6/19	1334 / 1340	"	9.0	2.49	1.99	3.75	4.8		.5	9	0	"
484	6/25	1355 / 1405	BOWMAN	8.0	1.69	1.30	3.60	2.2		.5	9	0	"
485	7/3	1420 / 1430	"	8.0	1.61	1.30	3.61	2.1		.5	9	0	"
486	7/8	1330 / 1345	"	7.0	1.29	1.09	3.72	1.4		.5	8	0	"
487	7/17	1515 / 1521	WHISLER	6.5	1.42	1.41	3.54	2.1		.5	8	0	"
488	7/24	1157 / 1203	"	5.0	1.27	1.75	3.56	2.2		.5	6	0	"
489	7/31	1256 / 1303	"	5.0	1.20	1.67	3.51	2.0		.5	6	0	"
490	8/7	1222 / 1228	WHISLER	5.0	1.32	1.29	3.54	1.7		.5	6	0	FC41
491	8/14	1156 / 1202	"	4.0	1.18	1.69	3.55	2.0		.5	6	0	FC59
492	8/21	1208 / 1214	"	4.0	1.18	1.44	3.51	1.7		.5	6	0	"
493	8/28	1055 / 1100	"	4.0	1.04	1.44	3.50	1.5		.5	5	0	"
494	9/4	1246 / 1302	"	4.2	1.18	1.36	3.48	1.6		.5	8	0	"
495	9/11	1226 / 1232	"	4.0	1.04	1.54	3.48	1.6		.5	5	0	"
496	9/18	0946 / 0952	"	4.5	1.26	1.43	3.49	1.8		.5	6	0	"
497	9/25	1206 / 1212	"	4.5	1.34	1.12	3.51	1.5		.5	6	0	"

DISCHARGE MEASUREMENTS OF SANTA CLARA RIVER

AT OR NEAR above Lang R.R. Station DURING THE YEAR ENDING SEPTEMBER 30, 1959

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEQ. NO.	G. HT. CHANGE TOTAL	METER NO.
498	10/2	1423 / 1428	WHISLER	4.0	1.17	1.28	3.52	1.5		.5	8	0	FC59
499	10/9	1338 / 1345	"	4.0	1.31	0.99	3.55	1.3		.5	9	0	"
500	10/15	1454 / 1500	"	5.5	1.18	1.19	3.60	1.4		.5	7	0	"
501	10/23	1345 / 1353	"	4.0	0.97	1.44	3.47	1.4		.5	9	0	"
502	10/30	1400 / 1405	"	5.5	1.54	2.34	3.40	3.6		.5	6	0	"
503	11/6	1148 / 1155	"	4.2	1.16	2.41	3.36	2.8		.5	6	0	"
504	11/13	1320 / 1330	BOWMAN	5.0	1.39	1.51	3.34	2.1		.5	7	0	"
505	11/20	1340 / 1350	"	4.5	1.69	1.42	3.35	2.4		.5	7	0	"
506	11/26	1200 / 1206	WHISLER	4.8	1.37	1.68	3.33	2.3		.5	6	0	"
507	12/4	1126 / 1132	"	4.3	1.00	1.80	3.31	1.8		.5	6	0	"
508	12/11	0916 / 0922	"	4.2	0.99	1.82	3.32	1.8		.5	6	0	"
509	12/18	0810 / 0816	"	4.2	1.03	1.94	3.32	2.0		.5	6	0	"
510	12/26	1145 / 1150	"	4.5	1.10	1.91	3.33	2.1		.5	7	0	"
511	12/31	0829 / 0835	"	4.4	1.07	1.87	3.33	2.0		.5	7	0	"
512	1/6	0826 / 0831	WHISLER-TWITTY	10.5	6.48	3.21	4.04	20.8		.6	8	-.02	FC41
513	1/8	1310 / 1316	WHISLER	6.0	2.05	2.54	3.22	5.2		.5	7	0	"
514	1/15	1248 / 1256	"	6.5	1.67	2.04	3.08	3.4		.5	8	0	FC59
515	1/22	1257 / 1302	"	5.5	1.49	2.15	3.07	3.2		.5	6	0	"
516	1/29	0946 / 0952	"	5.0	1.27	2.05	3.06	2.6		.5	6	0	"
517	2/5	1205 / 1215	BOWMAN	5.5	1.43	1.61	3.06	2.3		.5	8	0	"
518	2/8	1010 / 1014	WHISLER	5.4	1.53	1.96	3.08	3.0		.5	7	0	"
519	2/11	0854 / 0904	TWITTY-WHISLER	8.5	4.77	3.04	3.63	14.5		.5 .6	9	0	FC41
520	2/11	1606 / 1617	" "	10.5	8.07	3.46	4.04	27.9		.6	8	-.04	"
521	2/12	1009 / 1019	WHISLER	9.0	5.08	3.11	3.68	15.8		.6	10	0	"
522	2/16	1225 / 1233	"	8.0	3.37	2.20	3.37	7.4		.5 .6	8	0	"
523	2/17	1015 / 1023	WHISLER-STRINGER	8.5	6.35	2.68	3.66	17.0		.6	10	-.02	"
524	2/19	0956 / 1002	WHISLER	7.5	3.26	2.55	3.26	8.3		.6	8	0	"
525	2/25	1432 / 1440	"	7.5	2.46	2.16	3.08	5.3		.5 .6	8	0	FC59
526	3/5	1409 / 1415	"	6.5	2.08	1.63	3.04	3.4		.5	8	0	"
527	3/12	1238 / 1245	"	6.5	1.88	1.76	3.03	3.3		.5	8	0	"
528	3/19	1350 / 1356	"	7.0	1.92	1.46	3.00	2.8		.5	8	0	"
529	3/26	1450 / 1458	"	6.6	1.64	1.34	2.98	2.2		.5	8	0	"
530	4/2	1403 / 1408	"	5.0	1.28	2.03	3.00	2.6		.5	6	0	"
531	4/9	1348 / 1353	"	4.5	1.36	1.62	2.98	2.2		.5	6	0	"
532	4/16	1525 / 1530	"	4.5	1.29	1.71	2.98	2.2		.5	6	0	"
533	4/23	1312 / 1318	"	4.5	1.21	1.65	2.98	2.0		.5	6	0	"
534	4/30	1320 / 1325	"	4.0	1.26	1.51	3.05	1.9		.5	7	0	"
535	5/7	1340 / 1346	"	4.0	1.23	1.38	3.03	1.7		.5	7	0	"
536	5/14	1324 / 1334	"	4.0	1.11	1.62	3.02	1.8		.5	9	0	"
537	5/21	0908 / 0914	"	4.0	1.19	1.51	3.02	1.8		.5	7	0	"
538	5/28	1445 / 1454	WHISLER-ROY	4.0	1.15	1.48	3.04	1.7		.6	7	0	"
539	6/4	1208 / 1214	WHISLER	4.0	1.35	1.41	3.04	1.9		.5	7	0	"
540	6/11	1314 / 1320	"	4.0	1.29	1.24	3.03	1.6		.5	7	0	"
541	6/18	1225 / 1231	"	4.2	1.45	1.04	3.03	1.5		.5	7	0	"
542	6/25	1231 / 1237	"	4.4	1.23	1.06	3.02	1.3		.5	7	0	"
543	7/2	1405 / 1418	ROY	4.0	1.22	0.90	3.05	1.1		.5 .6	7	0	"

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC.FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	S. MT. CHANGE TOTAL	METER NO.
544	7/8	1200 / 1210	BOWMAN	4.5	1.48	0.95	3.07	1.4		.5	6	0	FC41
545	7/16	1350 / 1405	ROY	4.0	1.20	1.08	3.04	1.3		.5/.6	9	0	FC59
546	7/23	1135 / 1141	WHISLER	4.4	1.66	0.96	3.01	1.6		.5	6	0	"
547	7/30	1324 / 1330	"	4.0	1.04	1.25		1.3		.5	7	0	"
548	8/6	1008 / 1014	"	4.0	1.09	1.28	2.98	1.4		.5	8	0	"
549	8/17	0830 / 0838	"	4.5	1.01	1.49	2.85	1.5		.5	9	0	"
550	8/20	1238 / 1244	"	4.6	1.02	1.37	2.86	1.4		.5	6	0	"
551	8/27	1440 / 1445	"	4.5	0.90	1.44	2.88	1.3		.5	9	0	"
552	9/3	1140 / 1152	ROY	5.0	1.07	1.21	2.90	1.3		.5/.6	6	0	"
553	9/10	1115 / 1120	WHISLER	4.0	0.77	1.68	2.90	1.3		.5	7	0	"
554	9/17	1342 / 1348	"	4.0	0.78	1.67	2.88	1.3		.5	8	0	"
555	9/24	1242 / 1248	"	4.0	1.11	1.71	2.88	1.9		.5	9	0	"

76D74M Gth 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F93-R

Daily discharge, in second-feet of SANTA CLARA RIVER above Lang R.R. Station for the year ending September 30, 1958

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.3	1.1	1.1	1.2	1.2	7.9	e 9.9	e 2.6	e 7.0	e 2.1	2.0	1.6
2	1.3	1.1	1.1	1.2	1.3	7.5	13.5	2.5	6.6	2.1	2.0	1.6
3	1.3	1.1	1.1	1.2	1.5	7.1	5.09	2.3	6.2	2.1	a 2.0	1.6
4	1.3	1.1	1.1	1.1	1.2	6.7	2.26	2.2	5.8	2.1	1.9	1.6
5	1.3	1.1	1.1	1.0	5.2	6.2	1.30	2.0	5.6	2.1	1.9	1.6
6	1.3	1.1	1.1	1.0	1.9	6.8	1.35	1.9	5.6	2.1	1.8	1.6
7	1.3	1.1	1.1	1.1	1.6	6.6	1.27	1.7	5.7	2.1	1.7	1.6
8	1.3	1.1	1.1	1.1	1.6	6.5	1.00	1.6	5.8	2.1	1.7	1.6
9	1.3	1.1	1.1	1.0	1.6	6.4	82	1.6	5.9	2.1	1.8	1.6
10	1.3	1.2	1.1	1.0	1.6	6.4	74	1.6	6.1	2.1	a 1.8	1.6
11	1.4	1.2	1.1	1.0	1.5	6.5	68	1.5	6.3	2.1	1.9	1.6
12	1.4	1.2	1.1	1.0	1.5	6.4	60	1.5	6.4	2.1	1.9	1.6
13	1.4	1.2	1.1	1.0	1.5	6.2	52	1.5	6.2	2.1	2.0	1.6
14	1.4	1.2	1.2	1.0	1.5	6.3	47	1.4	6.0	2.1	2.0	1.6
15	1.4	1.2	1.3	1.0	1.5	7.1	40	1.4	5.8	2.1	2.0	1.7
16	1.4	1.2	1.5	1.0	1.6	22	38	1.3	5.5	e 2.1	1.8	1.7
17	1.4	1.2	1.2	1.0	1.6	19	37	1.2	5.2	2.1	1.8	1.8
18	1.3	1.1	1.2	1.0	1.6	13	33	1.1	5.0	2.1	1.7	1.8
19	1.3	1.1	1.1	1.0	24	12	30	1.0	4.8	2.0	1.7	1.7
20	1.3	1.1	1.1	1.0	24	12	27	9.0	4.6	2.0	1.7	1.6
21	1.3	1.1	1.2	1.1	11	14	25	8.1	4.2	2.0	1.7	1.6
22	1.2	1.1	1.2	1.2	8.3	34	25	8.1	3.6	2.0	1.7	1.6
23	1.2	1.1	1.2	1.1	8.0	22	26	8.1	3.0	2.1	1.7	1.5
24	1.2	1.0	1.2	1.1	8.1	17	26	8.1	2.5	2.2	1.6	1.5
25	1.2	1.0	1.2	1.1	12	15	25	8.1	2.2	2.3	1.6	1.5
26	1.2	1.0	1.2	1.2	11	13	24	8.0	2.2	2.3	1.5	1.5
27	1.2	1.0	1.2	1.1	8.9	18	23	8.0	2.2	2.3	1.5	1.5
28	1.2	1.0	1.2	1.1	8.5	18	22	8.0	2.2	2.5	1.5	1.5
29	1.2	1.1	1.2	1.1		16	24	8.0	2.2	2.2	1.5	1.5
30	1.2	1.1	1.2	1.1		15	e 2.5	7.8	e 2.1	2.0	1.5	1.5
31	1.1		1.2	1.1		14		e 7.4		2.0	1.6	
	39.9		35.9		165.6		2294		142.5		54.5	
		33.3		33.2		374.6		415.7		65.7		47.9
MEAN	1.29	1.11	1.16	1.07	5.91	12.1	76.5	13.4	4.75	2.12	1.76	1.60
ACRE-FEET	79.	66.	71.	66.	328.	743.	4550.	825.	283.	130.	108.	95.

Remarks:

YEAR OR PERIOD MEAN 14.5
ACRE-FEET 7340.

76D74M Gth 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

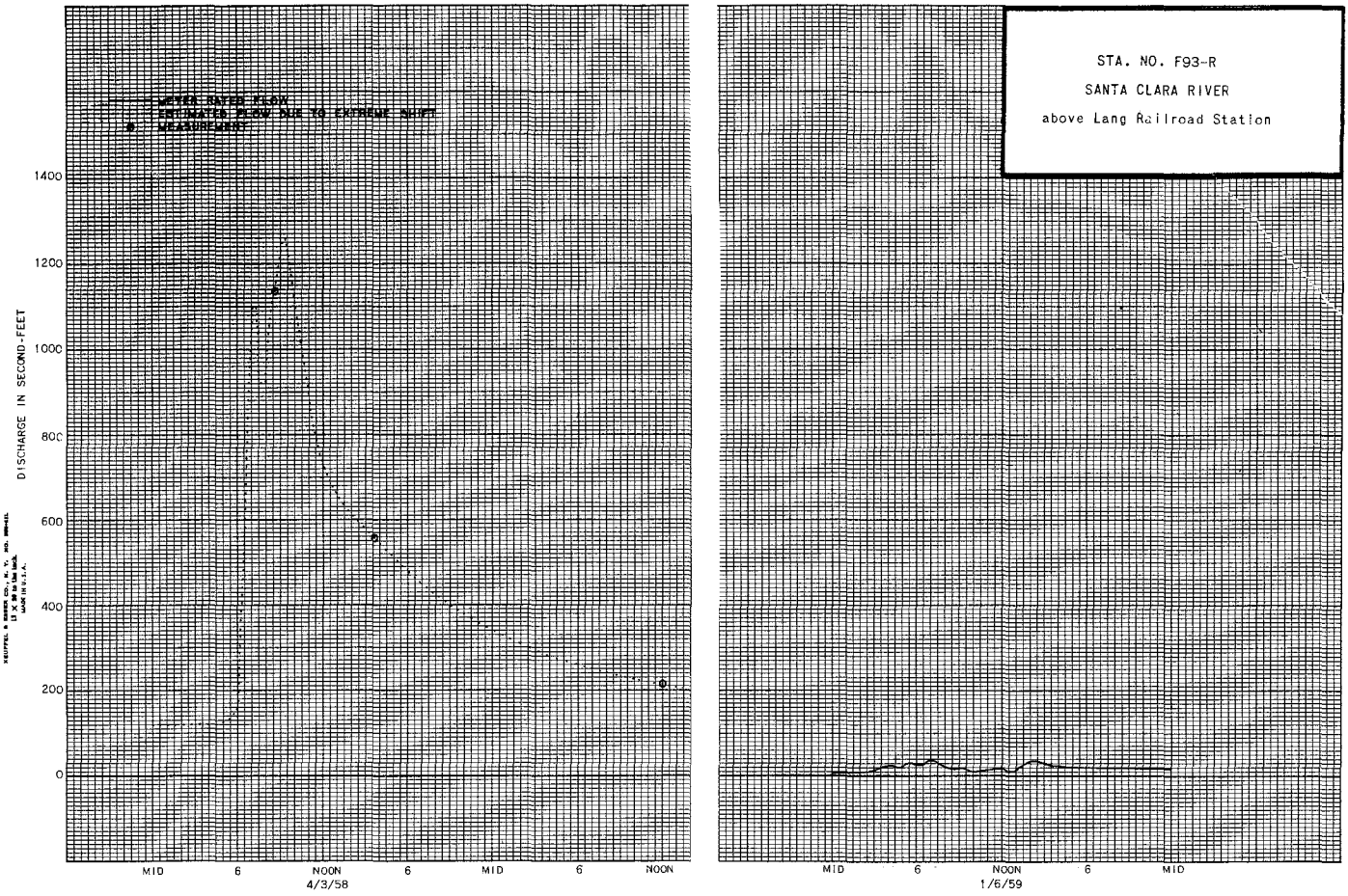
Sta. No. F93-R

Daily discharge, in second-feet of SANTA CLARA RIVER above Lang R.R. Station for the year ending September 30, 1959

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.5	3.5	1.9	2.0	2.5	4.2	2.3	2.0	1.9	1.2	a 1.3	1.3
2	1.5	3.3	1.8	2.0	2.3	3.8	c 2.3	2.0	1.9	1.1	1.3	1.3
3	1.5	3.3	1.8	2.0	2.3	3.6	2.2	1.9	1.9	1.2	1.4	1.3
4	1.4	3.0	1.8	2.0	2.2	3.6	2.2	1.8	1.9	1.2	1.4	e 1.3
5	1.4	3.0	1.8	2.2	2.2	3.6	2.2	1.8	1.9	1.2	1.4	e 1.3
6	1.4	2.8	1.8	2.1	2.2	3.6	2.2	1.8	1.8	1.3	a 1.4	e 1.3
7	1.4	2.7	1.8	1.2	2.5	3.6	2.2	1.7	1.7	1.3	1.4	1.3
8	1.4	2.5	1.8	5.5	3.3	3.6	2.2	1.7	1.6	1.4	1.4	1.3
9	1.3	2.3	1.8	5.0	4.5	3.6	2.2	1.7	1.6	1.4	1.4	1.3
10	1.4	2.2	1.8	4.3	2.8	3.5	2.2	1.8	1.6	1.3	1.4	e 1.3
11	1.4	2.2	1.7	4.0	16	3.3	2.2	1.8	1.6	1.3	1.5	e 1.3
12	1.4	2.2	1.7	4.0	15	3.3	2.2	1.8	1.6	1.3	1.5	1.3
13	1.4	2.1	1.7	3.5	7.3	3.1	2.2	1.8	1.6	1.3	e 1.5	1.3
14	1.4	2.1	1.8	3.5	5.8	3.0	2.2	1.8	1.6	1.3	1.5	1.3
15	1.4	2.2	1.8	3.5	5.5	3.0	2.2	1.8	1.6	1.3	1.5	1.3
16	1.4	2.2	1.9	3.3	11	3.0	2.2	1.8	1.6	1.3	1.5	1.3
17	1.4	2.3	1.9	3.3	19	3.0	2.2	1.8	1.6	1.3	1.5	1.3
18	1.4	2.3	2.0	3.3	9.6	3.0	2.2	1.9	1.5	1.4	1.4	1.3
19	1.4	2.3	2.0	3.3	7.6	3.0	2.2	1.9	1.5	1.5	1.4	1.3
20	1.4	2.3	2.0	3.3	6.8	2.8	2.1	1.8	1.4	1.5	1.4	1.4
21	1.4	2.3	2.0	3.3	7.8	2.7	2.1	1.8	1.4	1.6	1.4	1.4
22	1.4	2.3	2.0	e 3.3	6.5	2.7	2.0	1.8	1.3	1.6	1.4	1.6
23	1.4	c 2.3	2.0	3.3	6.0	2.6	2.0	1.8	1.3	a 1.6	1.4	1.7
24	1.4	2.3	2.0	3.0	5.8	2.6	2.0	1.8	1.3	1.6	1.4	1.9
25	1.1	2.3	2.0	2.8	5.8	2.5	2.0	1.8	1.3	1.6	1.4	1.8
26	7.2	2.3	2.0	2.7	5.5	2.5	2.0	1.8	1.3	1.5	1.3	1.7
27	5.2	2.3	2.0	2.6	5.0	2.5	2.0	1.7	1.3	1.5	1.3	1.6
28	4.5	2.3	2.0	2.6	4.3	2.5	2.0	1.7	1.3	1.4	1.3	1.4
29	4.2	2.2	2.0	2.5		2.5	2.0	1.7	1.2	1.3	1.3	1.4
30	3.8	2.2	2.0	2.5		2.5	2.0	1.8	1.2	1.3	1.3	1.3
31	3.6		2.0	2.5		2.5		1.9		a 1.3	1.3	
	73.3		58.6		177.1		64.2		46.3		43.3	
		73.6		124.1		95.3		56.0		42.4		41.9
MEAN	23.6	2.45	1.89	4.00	6.32	3.07	2.14	1.81	1.54	1.37	1.40	1.40
ACRE-FEET	145.	146.	116.	246.	351.	189.	127.	111.	92.	84.	86.	83.

Remarks:

YEAR OR PERIOD MEAN 2.46
ACRE-FEET 1780.



STATION F92-R
SANTA CLARA RIVER at Old Highway Bridge

LOCATION: WATER-STAGE RECORDER, LAT. 34°25'38", LONG. 118°35'16", ON THE DOWNSTREAM END OF THE RIGHT (WEST) PIER OF THE OLD HIGHWAY 99 BRIDGE, 750 FEET BELOW THE NEW HIGHWAY 99 BRIDGE AND ABOUT THREE MILES WEST OF SAUGUS. ELEVATION OF ZERO GAGE HEIGHT 1028.41 FEET.

DRAINAGE AREA: 410.4 SQUARE MILES.

CHANNEL AND CONTROL: SAND AND GRAVEL, HEAVY WEED AND BRUSH GROWTH. NO ARTIFICIAL CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING, HIGH FLOWS MEASURED FROM CABLE CAR AT THE STATION.

RECORDER: A STEVENS TYPE A-35 CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1957 TO SEPTEMBER 30, 1959.

REGULATION: PARTIALLY REGULATED BY BOUQUET CANYON AND DRY CANYON RESERVOIRS. FLOWS OCCASIONALLY ORIGINATE FROM LOS ANGELES CITY AQUEDUCT BLOWOFF AT SANTA CLARA RIVER CROSSING.

DIVERSIONS: SOME FLOW DIVERTED FOR IRRIGATION NEAR LANG.

RECORDS AVAILABLE: AT STATION F92-R, RECORDER RECORDS FROM JANUARY 18, 1930 TO MARCH 28, 1938 AND FROM SEPTEMBER 24, 1956 TO SEPTEMBER 30, 1959. AT STATION F92B-R, RECORDER RECORDS FROM OCTOBER 1, 1938 TO SEPTEMBER 24, 1956. SOME WEEKLY STREAM FLOW MEASUREMENTS WERE TAKEN PRIOR TO JANUARY 18, 1930 AND FROM MARCH 28, 1938 TO OCTOBER 1, 1938.

EXTREMES OF DISCHARGE:
1957-58
MAXIMUM 3850 SECOND-FEET APRIL 3.
MINIMUM NO FLOW AT VARIOUS TIMES.
1958-59
MAXIMUM 1410 SECOND-FEET JANUARY 6.
MINIMUM NO FLOW AT TIMES.
1930-59 (STATIONS F92-R AND F92B-R)
MAXIMUM 24,000 SECOND-FEET, ESTIMATED MARCH 2, 1938.
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: POOR, DUE TO GROWTH IN CHANNEL.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT IN COOPERATION WITH THE UNITED STATES GEOLOGICAL SURVEY, WATER RESOURCES BRANCH.

DISCHARGE MEASUREMENTS OF SANTA CLARA RIVER

AT NEAR Old Highway Bridge DURING THE YEAR ENDING SEPTEMBER 30, 19 56

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATINGS	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
128	10/10	1256 / 1302	WHISLER	3.0	0.81	0.94	5.43	0.76		.5	7	0	FC59
129	12/5	0405 / 0420	WHISLER-LUGO	59.4	51.1	1.33	6.90	67.8		.6	14	.11	FC5
130	12/15	0948 / 1000	WHISLER	CHANNELS			7.24	139.		.6	12	0	"
131	12/15	1205 / 1216	"	60.2	55.3	2.10	7.12	116.		.6	13	+.04	"
132	12/15	1355 / 1428	WHISLER-MEDINA	CHANNELS			9.48	1770.		EST. .6	16	+.52	"
133	12/15	2035 / 2052	" "	57.0	55.2	2.28	7.03	126.		.6	15	+.12	FC32
134	12/16	0433 / 0448	" "	56.0	62.0	2.14	6.40	133.		.6	12	+.04	"
135	12/16	1456 / 1500	" "	12.0	3.85	1.87	5.28	7.2		.5	6	0	"
136	12/17	0200 / 0223	" "	CHANNELS			7.93	850.		.6 EST.	16	-.18	FC5
137	12/17	0250 / 0308	" "	69.6	90.6	5.98	7.47	543.		.6	11	-.06	"
138	12/17	0754 / 0803	" "	24.5	11.7	1.95	6.11	22.9		.5 .6	9	-.04	FC32
139	1/2	1328 / 1334	WHISLER	0.8	0.05	0.80	5.57	0.04		.5	3	0	FC59
140	1/9	1006 / 1007	"	1.0	0.08	0.63	5.57	0.05		.5	3	0	"
141	1/16	1324 / 1325	WHISLER-MOSES	1.0	0.07	0.71	5.56	0.05		.5	3	0	"
142	1/26	0044 / 0057	WHISLER-BLAKELY	57.0	46.8	3.92	7.01	183.		.5 .6	14	+.10	FC21
143	1/26	0320 / 0329	" "	48.0	24.7	2.73	6.70	67.5		.5 .6	11	0	"
144	1/26	0630 / 0642	" "	57.5	33.3	3.54	7.00	118.		.5 .6	14	0	"
145	1/26	0917 / 0925	WHISLER	25.5	9.85	2.81	6.67	27.7		.5 .6	11	0	"
146	1/30	1322 / 1324	"	1.6	0.16	0.53	6.27	0.08		.5	4	0	FC59
147	2/3	0317 / 0329	WHISLER-MEDINA	54.0	17.9	2.52	6.85	44.1		.5 .6	14	+.05	FC41
148	2/3	0633 / 0649	" "	69.0	89.4	4.26	7.87	381.		.6	11	-.03	FC32
149	2/3	0826 / 0840	" "	CHANNELS			7.93	399.		.6	18	-.03	FC41
150	2/3	1334 / 1341	" "	"			7.11	45.7		.5 .6	11	-.01	"
151	2/3	1646 / 1651	" "	24.0	7.45	1.80	6.82	13.4		.5	8	-.01	"
152	2/4	0013 / 0025	" "	CHANNELS			7.86	297.		.6	15	-.04	"
153	2/4	0835 / 0855	" "	"			8.74	1250.		.5 .6	14	-.02	FC32
154	2/4	1523 / 1539	" "	COMPOSITE			8.45	530.		.5 .6	14	-.02	"
155	2/4	1801 / 1811	" "	63.0	50.3	4.49	8.00	226.		.5 .6	11	0	FC41
156	2/5	1050 / 1058	" "	CHANNELS			7.65	9.5		.5	7	0	"
157	2/19	0533 / 0545	WHISLER-STRINGER	75.0	55.3	5.26	8.30	291.		.5 .6	14	+.06	"
158	2/19	0800 / 0817	" "	COMPOSITE			8.54	499.		.6	13	-.01	FC32
159	2/19	1040 / 1103	" "	"			8.99	748.		.6 EST.	16	-.01	"
160	2/19	1520 / 1527	" "	CHANNELS			7.95	92.2		.5 .6	10	0	FC41
161	2/19	1805 / 1812	" "	32.0	16.2	3.40	7.68	55.0		.5 .6	10	0	"
162	2/25	0757 / 0808	" "	65.0	85.8	5.33	8.74	457.		.6	13	-.12	"
163	2/25	1020 / 1027	" "	38.0	37.9	3.73	8.28	141.		.6	9	-.02	"
164	2/25	1424 / 1432	" "	31.0	12.9	2.28	7.86	29.4		.5 .6	11	-.02	"
165	2/25	1707 / 1715	" "	33.0	13.1	2.19	7.78	28.8		.5	11	0	"
166	3/15	1133 / 1140	WHISLER	43.0	16.2	3.10	7.95	50.3		.5 .6	10	+.05	"
167	3/15	1351 / 1358	WHISLER-STRINGER	CHANNELS			8.10	82.3		.5 .6	12	0	"
168	3/15	1730 / 1737	" "	44.0	15.9	2.56	8.02	40.8		.5	10	0	"
169	3/15	2245 / 2258	" "	69.0	60.8	5.23	8.62	318.		.5 .6	14	0	"
170	3/16	0348 / 0401	" "	CHANNELS			8.63	302.		.5 .6	14	-.02	"
171	3/16	0822 / 0833	" "	55.0	54.1	5.21	8.64	282.		.5 .6	15	-.01	"
172	3/16	1222 / 1230	" "	40.0	30.0	4.10	8.34	123.		.5 .6	11	.01	"
173	3/16	1546 / 1555	" "	34.0	19.9	2.77	8.15	55.2		.5 .6	11	0	"
174	3/17	0859 / 0903	" "	CHANNELS			7.78	6.7		.5 EST.	6	0	"
175	3/20	2210 / 2219	WHISLER-PROVENCIO	38.0	13.3	2.51	8.02	33.4		.5	10	-.01	"
176	3/22	0133 / 0144	" "	79.0	67.1	5.53	8.78	371.		.6	11	+.04	"
177	3/22	0433 / 0447	" "	81.0	66.3	4.68	8.78	311.		.5 .6	15	-.03	"
178	3/22	0916 / 0942	" "	CHANNELS			8.38	116.		.6	9	0	"
179	3/22	1147 / 1154	" "	29.0	17.9	3.10	8.20	55.5		.6	9	0	"
180	3/27	1235 / 1245	WHISLER-MOSES	69.0	59.0	5.12	8.79	302.		.5 .6	14	-.04	"
181	4/1	0605 / 0613	" "	83.0	61.3	4.39	8.82	270.		.6	12	+.01	"
182	4/1	1245 / 1325	" "	COMPOSITE			11.03	2700.		.6 EST.	15	-.16	FC32
183	4/1	1714 / 1738	" "	"			10.15	1410.		.6	16	-.02	FC41 FC32
184	4/2	0830 / 0840	" "	83.5	38.3	2.77	8.86	106.		.6	14	-.02	FC41
185	4/2	1617 / 1628	" "	CHANNELS			8.55	32.8		.5	14	0	"
186	4/3	0154 / 0207	" "	108.	70.4	4.98	9.04	351.		.6	14	+.08	"
187	4/3	1108 / 1130	" "	CHANNELS			10.80	1920.		.6	21	-.04	FC32
188	4/4	0926 / 0943	" "	"			9.32	104.		.5	18	-.01	FC41
189	4/5	0820 / 0825	WHISLER-STRINGER	CHANNELS			9.05	29.0		EST.	7	0	FC41
190	4/6	1415 / 1428	" "	"			9.50	264.		.5 .6	21	-.03	"
191	4/6	1708 / 1713	" "	38.0	17.0	4.13	9.20	70.2		.5 .6	9	-.02	"
192	4/7	0636 / 0646	" "	CHANNELS			9.83	308.		.5 .6	20	+.04	"
193	4/7	0947 / 0959	" "	"			9.93	350.		.5 .6	17	-.06	"
194	4/7	1714 / 1721	" "	48.0	24.0	3.65	9.48	87.7		.5 .6	12	0	"
195	4/8	1035 / 1039	" "	CHANNELS			9.33	10.1		EST.	7	0	"
196	6/19	0845 / 0850	WHISLER	7.0	1.28	1.88	9.21	2.4		.5	8	0	FC59
197	6/25	0925 / 0935	BOWMAN	5.0	0.91	1.54	9.15	1.4		.5	8	0	FC41
198	7/17	0937 / 0942	WHISLER	5.0	0.86	2.21	9.12	1.9		.5	6	0	FC59
199	7/24	0905 / 0907	"	4.0	0.44	1.55	9.05	0.68		.5	5	0	"
200	7/31	0938 / 0942	"	5.0	0.64	1.72	9.05	1.1		.5	6	0	"
201	8/7	0931 / 0935	"	4.0	0.60	1.60	9.04	0.96		.5	5	0	FC41
202	8/14	1102 / 1104	"	3.0	0.28	1.25	8.98	0.35		.5	4	0	FC59
203	8/21	0842 / 0845	"	4.0	0.69	1.74	8.92	1.2		.5	5	0	"
204	8/28	0915 / 0920	"	4.5	0.87	1.84	8.94	1.6		.5	6	0	"
205	9/4	1047 / 1050	"	2.5	0.21	0.81	8.84	0.17		.5	5	0	"
206	9/11	1005 / 1008	"	2.5	0.20	1.00	8.98	0.2		.5	4	0	"
207	9/18	0832 / 0837	"	4.5	0.64	1.72	8.95	1.1		.5	6	0	"
208	9/25	1045 / 1050	"	5.0	0.65	1.69	8.94	1.1		.5	6	0	"

DISCHARGE MEASUREMENTS OF SANTA CLARA RIVER

AT NEAR Old Highway Bridge DURING THE YEAR ENDING SEPTEMBER 30, 19 59

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATINGS	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
209	10/9	1221 / 1227	WHISLER	2.5	0.32	0.78	8.82	0.25		.5	6	0	FC59
210	10/23	0800 / 0805	"	3.0	0.37	1.49	8.81	0.55		.5	6	0	"
211	11/6	1044 / 1048	"	3.5	0.50	1.30	8.99	0.65		.5	5	0	"
212	1/6	0252 / 0300	WHISLER-TWITTY	47.0	21.1	3.25	9.59	68.5		.6	11	+.06	FC41
213	1/6	0600 / 0630	" "	195.	190.	5.16	10.55	981.		.5 .6	17	-.10	FC32
214	2/11	0330 / 0348	" "	CHANNELS			9.30	269.		.5 .6	18	+.51	FC41
215	2/11	0734 / 0749	TWITTY-WHISLER	52.0	36.5	4.25	9.37	155.		.5 .6	14	-.05	"
216	2/16	0706 / 0721	" "	CHANNELS			9.14	32.1		.5 .6	14	-.02	"
217	2/16	1048 / 1106	" "	"			9.19	30.8		.5 .6	15	+.02	"
218	2/16	1506 / 1517	WHISLER-TWITTY	"			9.37	250.		.5 .6	18	+.02	"
219	2/16	2035 / 2042	" "	"			9.12	13.8		.5	8	-.01	"
220	2/21	1255 / 1303	WHISLER-STRINGER	"			9.21	41.3		.5	15	-.02	"
221	2/21	1458 / 1502	" "	"			9.00	14.0		.5	6	-.02	"
222	3/12	0914 / 0920	WHISLER	5.0	0.81	1.98	8.82	1.6		.5	6	0	FC59
223	3/26	0928 / 0930	"	2.5	0.21	0.90	8.75	0.19		.5	5	0	"
224	4/16	0840 / 0845	"	3.0	0.42	1.81	8.82	0.76		.5	7	0	"
225	5/28	0756 / 0805	WHISLER-ROY	3.5	0.66	1.97	8.90	1.3		.5	5	0	"
226	6/4	0931 / 0935	WHISLER	3.5	0.66	1.97	8.91	1.3		.5	5	0	"
227	6/11	0753 / 0757	"	4.0	0.45	1.49	8.85	0.67		.5	5	0	"
228	6/18	0748 / 0753	"	4.5	0.75	1.60	8.90	1.2		.5	6	0	"
229	6/25	0847 / 0851	"	3.8	0.58	1.67	8.87	0.97		.5	6	0	"
230	7/2	0900 / 0908	ROY	3.0	0.24	0.96	8.78	0.23		.5	6	0	"
231	7/8	0720 / 0730	BOWMAN	2.3	0.34	1.27	8.82	0.43		.5	6	0	FC41
232	7/16	0910 / 0920	ROY	3.0	0.49	1.51		0.74		.5	7	0	FC59
233	7/23	0742 / 0748	WHISLER	4.0	0.65	1.85	8.93	1.2		.5	7	0	"
234	7/30	0915 / 0919	"	4.0	0.62	1.00	8.82	0.62		.5	5	0	"
235	8/6	0744 / 0748	"	3.0	0.53	1.68	8.82	0.89		.5	5	0	"
236	8/13	0745 / 0748	"	3.5	0.40	0.90	8.79	0.36		.5	5	0	"
237	8/27	0830 / 0832	"	3.5	0.48	1.38	8.83	0.66		.5	5	0	"
238	9/3	0840 / 0847	ROY	2.0	0.23	0.48	8.78	0.11		.5	5	0	"
239	9/10	0745 / 0748	WHISLER	3.5	0.40	0.95	8.82	0.38		.5	5	0	"
240	9/17	0730 / 0735	"	4.0	0.64	1.42	8.88	0.91		.5	5	0	"
241	9/24	0746 / 0752	"	4.0	0.57	1.19	8.85	0.68		.5	5	0	"

76D74M Gib 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F92-R

Daily discharge, in second-feet of SANTA CLARA RIVER at Old Highway Bridge, for the year ending September 30, 1958

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.5	0	0	+	e +	e 0.5	887	e 0.4	e 0.5	e 0.6	e 0.7	e 0.4
2	0.7	+	0		3.9	0.5	106	0.4	0.6	0.5	0.7	0.3
3	+	0.3	0		154	0.5	1440	0.5	0.6	0.5	0.9	0.2
4	0	0	0		674	0.5	126	0.6	0.6	0.6	1.0	0.2
5	0	0	8.2		24	e 0.5	20	0.8	0.6	0.7	1.0	0.2
6	+	0	0.2		e 1.5	0.7	94	1.0	0.6	0.8	1.0	0.2
7	0.3	0	+		1.0	e 0.5	197	1.5	0.7	0.9	1.0	2.7
8	0.4	0	+		0.7	0.5	14	2.0	0.8	1.0	1.0	0.2
9	0.9	0	0		0.4	0.5	e 2.0	1.8	1.0	1.0	0.9	0.2
10	0.6	0	0		0.2	0.5	1.5	1.6	1.2	1.0	0.8	0.2
11	0.9	0	0		0.2	0.5	1.5	1.4	1.4	1.0	0.7	0.2
12	+	0	0		0.2	e 0.5	1.4	1.2	1.6	1.0	0.5	0.3
13	+	0	0		0.2	2.4	1.4	1.0	1.6	1.0	0.4	0.3
14	+	0	0		0.2	26	1.3	0.8	1.7	1.0	0.4	0.8
15	0	0	3.1.0		0.2	66	1.2	0.5	1.8	1.0	0.4	1.0
16	0	0	3.6		0.2	165	1.1	0.5	1.9	1.5	0.5	1.1
17	0	0	1.6.5		0.2	5.2	1.0	0.6	2.0	1.9	0.6	1.1
18	0	0	e 0.2		e 0.2	e 1.0	0.9	0.7	2.2	1.9	0.7	1.1
19	0	0	0.2		211	e 0.6	0.8	0.8	2.4	1.8	0.9	1.1
20	0.1	0	0.2		e 1.0	5.6	0.6	0.9	2.4	1.7	1.1	1.1
21	+	0	0.2		0.9	8.1	0.4	1.0	2.2	1.6	1.2	1.1
22	0	0	0.2		0.8	126	0.3	1.0	2.0	1.5	1.2	1.1
23	0	0	0.1		0.7	e 1.5	0.2	0.9	1.8	0.5	1.3	1.1
24	0	0	0.1	+	e 0.6	0.6	0.2	0.8	1.6	0.7	1.3	1.1
25	0	0	0.1	e 7.9	154	0.8	0.2	0.7	1.4	0.7	1.4	1.1
26	0	0	0.1	4.6	e 1.5	e 1.0	0.2	0.6	1.4	0.7	1.5	1.1
27	0	0	0.1	0.3	e 0.6	48	0.3	0.6	1.3	0.7	1.6	1.1
28	0	0	0.1	0.2	e 0.5	e 1.0	0.3	0.5	1.2	0.7	1.6	1.1
29	0	0	0.1	0.1		0.6	0.3	0.5	1.1	0.7	1.6	1.1
30	0	0	+	+		1.0	e 0.4	0.5	e 1.0	0.7	1.0	e 0.6
31	0		e +	e +		e 0.6		e 0.5		e 0.7	e 0.5	
	4.4		5.4.1.1		1.2.3.2.9		2.9.0.1.5		4.1.2		2.9.4	
		0.3		5.4.5		4.6.7.2		2.6.6		3.0.6		2.3.4
MEAN	0.14	0.01	17.5	1.76	44.0	15.1	96.8	0.86	1.37	0.99	0.95	0.78
ACRE-FEET	8.7	0.6	1070	108.	2450.	927.	5760.	53.	82.	61.	58.	46.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 14.7
ACRE-FEET 10620.

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

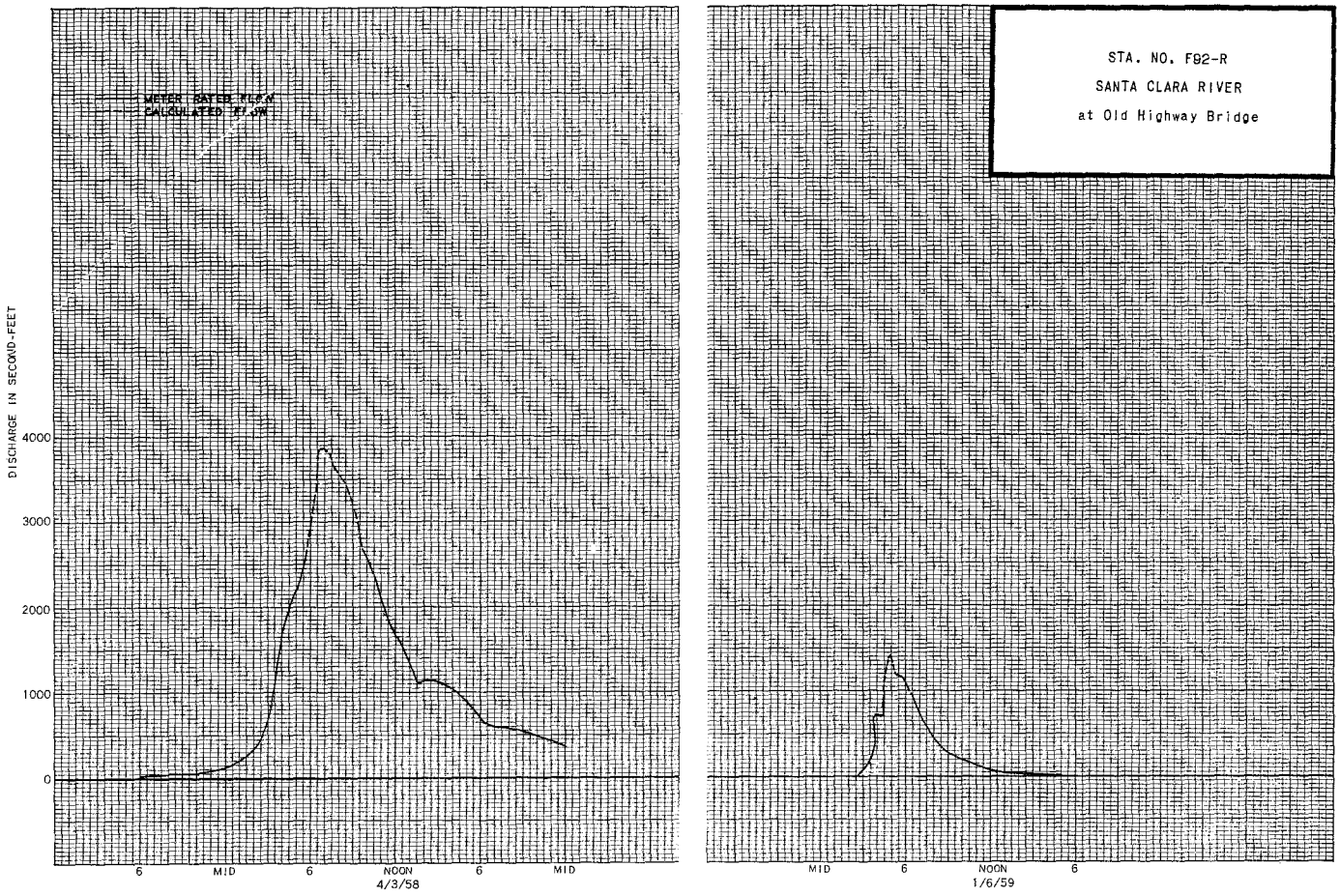
Sta. No. F92-R

Daily discharge, in second-feet of SANTA CLARA RIVER at Old Highway Bridge, for the year ending September 30, 1959

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	e 0.2	0	0	+	e 0.1	e +	e 0.3	+	e 0.1	c 0.4	0.5	+
2	0.1	e +	0	+	0.1		+		0.5	0.4	0.5	+
3	0.1	+	0	0	0.1		0.2		0.7	0.4	0.2	0.1
4	0.1	+	+	0	0.1		0.3		0.9	0.4	0.2	0.7
5	0.3	0.5		1.1	0.1		0		0.5	0.4	0.2	1.2
6	0.3	0.5		2.1.5	0.1		0		0.2	0.5	0.5	0.7
7	0.3	e 0.2		e 0.5	0.1		0	+	0.2	0.5	0.2	0
8	0.2	0		0.1	0.1	+	+	0.2	0.2	0.5	0.7	+
9	0.2	0		0.1	0.1	0.1	+	e 0.1	0.5	0.4	1.2	0.1
10	0.1	0		0.1	e 0.2	0.1	0.2	+	0.1	0.2	0.7	0.6
11	0.1	+		0.1	7.7	0.5	0.7		0.9	0.4	0.5	0
12	+	0		0.1	e 0.1	1.1	+		c 0.5	0.5	0.2	+
13	+	0	+	0.1	0.1	0.5	+	+	0.4	0.5	0.2	+
14	+	+	0	0.1	0.1	1.0	0.5	e 0.1	+	0.5	0.5	0.2
15	0	+	0	0.1	e 0.2	1.0	0.7	0.9	+	0.5	0.5	0.2
16	+	+	0	0.1	7.2	0.5	0.7	0.9	0.1	0.5	0.9	0.7
17	0.2	0	0	0.1	e 0.5	+	0.5	1.6	0.5	0.5	1.2	0.7
18	0.3	0	+	0.1	0.1	0	+	1.2	1.0	1.0	1.4	0.5
19	0.3	0		0.1	0.1	+	0	0.2	1.0	1.0	0.2	0.1
20	0.3	0		0.1	e 0.1	0.1	+	e 0.1	0.8	1.0	+	+
21	0.3	+		0.1	5.3	0.1	+	0.2	0.8	1.0	e 0.1	0
22	0.4			0.1	0.1	+		0.5	0.5	1.0	+	+
23	e 0.5			0.1	0.1	+		e 0.2	0.7	1.1	0.2	0.2
24	1.0			0.1	0.1	0.1	+	0.4	0.6	1.0	0.2	0.2
25	3.1			0.1	+	0.2	0.2	0.2	0.6	0.8	0.5	0.1
26	0.2			0.1	+	0.1	+	+	0.3	1.0	0.7	0
27	0.1			0.1	+	0.1		+	0.5	0.8	0.5	0
28	+	+	+	0.1	0.1	0.2		0.6	0.8	1.3	0.7	0
29	+	0	0	0.1		0.5	+	0.7	0.6	1.2	0.7	0
30	0	0	0	0.1		0.5		0.5	c 0.5	c 0.5	1.1	0
31	0		0	e 0.1		e 0.8		e 0.5		0.2	1.1	
	1.7.7		+		1.5.7.1		4.3		1.5.2		1.6.3	
		1.2		2.1.9.0		7.5		9.1		2.0.4		6.3
MEAN	0.57	.04	+	7.06	5.61	0.24	0.14	0.29	0.51	0.66	0.53	0.21
ACRE-FEET	35.	2.4	+	434.	312.	15.	8.5	18.	30.	41.	32.	12.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 1.30
ACRE-FEET 940.



STATION V309-R
SANTA CLARA RIVER at Blue Cut

LOCATION: WATER-STAGE RECORDER, LAT. 34°23'59", LONG. 118°42'14", IN S.W. 1/4 SEC. 30, T 4N, R.17W, ON RIGHT BANK, 0.8 MILE WEST OF LOS ANGELES COUNTY LINE. ALTITUDE OF GAGE, 794.93 FEET ABOVE MEAN SEA LEVEL.

DRAINAGE AREA: APPROXIMATELY 651 SQUARE MILES.

RECORDS AVAILABLE: OCTOBER 1952 TO SEPTEMBER 1959.

AVERAGE DISCHARGE: SEVEN YEARS, 14.2 SECOND-FEET.

CHANNEL CONTROL: CHANNEL - SHIFTING SAND AND GRAVEL.

ACCURACY: GOOD BELOW 100 CFS AND FAIR ABOVE.

EXTREMES OF DISCHARGE:
1957-58
MAXIMUM 7070 SECOND-FEET APRIL 3 (GAGE HEIGHT 6.75 FEET).
MINIMUM 0.3 SECOND-FOOT OCTOBER 1-2.
1958-59
MAXIMUM 2040 SECOND-FEET JANUARY 6.
MINIMUM 0.2 SECOND-FOOT AUGUST 21-26, SEPTEMBER 5-7.
1952-59
MAXIMUM 7070 SECOND-FEET APRIL 3, 1958.
MINIMUM NO FLOW SEVERAL DAYS.

REMARKS: RECORDS GOOD TO 100 CFS AND FAIR ABOVE. FLOW AT STATION AFFECTED BY PUMPING FROM WELLS ALONG STREAM FOR IRRIGATION ABOVE STATION.

COOPERATION: RECORDS FURNISHED BY VENTURA COUNTY WATER RESOURCES DIVISION. TWENTY-SIX DISCHARGE MEASUREMENTS FURNISHED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

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DISCHARGE MEASUREMENTS OF SANTA CLARA RIVER

AT NEAR Clue Cut DURING THE YEAR ENDING SEPTEMBER 30, 19 58

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
264	10/3	1040 / 1045	WHISLER	2.2	0.37	1.46	0.94	0.54		.5	6	0	FC59
265	10/7		V.C.W.R.D.	1.4	0.55	0.84	0.95	0.46		.6	5	0	
266	10/14		"	1.4	0.59	1.36	1.00	0.80		.6	5	0	
267	10/14		U.S.G.S.	1.3	0.57	1.49	1.01	0.85		.6	7	0	
	10/17	1320 / 1328	WOOD-WHISLER	2.7	0.45	1.36	1.00	0.61		.5	6	0	FC59
268	10/21		V.C.W.R.D.	2.4	0.95	1.24	1.02	1.18		.6	7	0	
269	10/22		"	2.4	0.86	1.02	1.00	0.88		.6	7	0	
270	10/28		"	2.5	0.85	0.74	0.98	0.63		.6	8	0	
	10/31	0835 / 0840	BOWMAN	2.4	0.83	1.02	0.99	0.85		.5	6	0	FC59
271	11/1		V.C.W.R.D.	2.4	0.83	0.89	0.99	0.74		.6	7	0	
272	11/3		"	2.4	0.90	1.10	1.01	0.99		.6	7	0	
273	11/4		"	2.4	0.91	0.77	1.00	0.70		.6	7	0	
274	11/12		"	2.4	0.86	0.77	1.01	0.66		.6	8	0	
	11/14	1438 / 1444	WHISLER	2.5	0.53	1.76	1.02	0.93		.5	6	0	FC59
275	11/15		U.S.G.S.	2.4	0.89	0.94	1.01	0.84		.6	13	0	
276	11/18		V.C.W.R.D.	2.4	0.91	0.85	1.02	0.77		.6	8	0	
277	11/25		"	2.4	0.96	0.82	1.03	0.79		.6	7	0	
	11/27	1410 / 1415	WHISLER	2.5	0.58	1.17	1.04	0.68		.5	6	0	FC59
278	12/2		V.C.W.R.D.	2.4	1.04	0.75	1.05	0.78		.6	8	0	
279	12/5		"	2.4	1.16	1.61	1.10	1.87		.6	8	0	
280	12/6		"	2.4	1.03	1.14	1.05	1.17		.6	8	0	
281	12/9		"	2.4	1.01	0.95	1.05	0.96		.6	7	0	
282	12/15		"	26.0	19.0	1.76	1.98	34.0		.6	16	+.11	
283	12/16		"	57.0	67.0	2.81	2.55	188.		.6	21	-.02	
284	12/17		"	48.0	51.5	2.59	2.58	133.		.6	18	-.10	
285	12/18		"	6.2	2.84	2.27	1.62	6.44		.6	12	0	
286	12/19		"	58.0	2.44	1.85	1.58	4.52		.6	11	0	
287	12/23		U.S.G.S.	4.2	2.22	1.32	1.53	2.93		.6	15	0	
288	12/24		V.C.W.R.D.	4.7	2.07	1.38	1.52	2.85		.6	11	0	
	12/27	1140 / 1147	WHISLER	4.7	1.59	1.64	1.51	2.6		.6	6	0	FC59
289	12/30		V.C.W.R.D.	4.7	2.02	1.20	1.50	2.42		.6	11	0	
290	1/6		"	4.7	1.89	1.19	1.50	2.24		.6	11	0	
	1/9	1150 / 1156	WHISLER	5.0	2.03	1.30	1.50	2.7		.6	6	0	FC59
291	1/13		V.C.W.R.D.	4.8	2.02	1.10	1.50	2.22		.6	11	0	
	1/16	1409 / 1427	MOSES-WHISLER	5.0	2.00	1.00	1.49	2.0		.5 / .6	11	0	FC59
292	1/17		U.S.G.S.	4.8	2.09	1.14	1.50	2.36		.6	17	0	
293	1/20		V.C.W.R.D.	4.9	2.05	1.05	1.50	2.15		.6	11	0	
294	1/26		"	36.0	26.0	2.51	2.18	66.4		.6	14	-.06	
295	1/27		"	7.9	2.53	1.92	1.08	4.85		.6	15	0	
	1/30	1130 / 1137	WHISLER	7.2	2.30	1.78	0.96	4.1		.5 / .6	8	0	FC59
296	2/3		V.C.W.R.D.	80.0	105.	4.68	3.45	492.		.6	17	-.03	
297	2/4		"	135.0	327.	5.83	4.49	1910.		.6	23	+.03	
298	2/5		"	40.0	18.8	2.74	1.68	51.4		.6	20	+.04	
299	2/6		"	19.0	7.92	1.80	1.34	14.2		.6	15	0	
300	2/7		"	15.5	5.19	1.83	1.35	9.50		.6	16	0	
301	2/8		"	15.7	6.47	1.81	1.38	11.7		.6	12	0	
302	2/10		U.S.G.S.	13.0	4.89	1.89	1.38	9.24		.6	18	0	
303	2/17		V.C.W.R.D.	10.2	5.09	1.84	1.26	9.35		.6	11	0	
304	2/19		"	63.0	112.	5.95	3.35	668.				0	
305	2/20		"	26.5	13.0	2.55	1.50	33.1		.6	15	0	
306	2/21		"	17.0	7.37	2.25	1.32	16.6		.6	13	0	
307	2/24		"	17.0	6.84	1.88	1.26	12.8		.6	18	0	
308	2/25		"		CHANNELS		3.42	910.				0	
309	2/26		"	22.0	12.7	3.32	1.47	42.2		.6	12	0	
310	2/27		"	22.0	8.87	2.16	1.32	19.2		.6	16	0	
311	3/3		"	15.7	7.11	2.16	1.14	15.4		.6	17	0	
312	3/10		"	11.7	6.74	2.10	1.11	14.1		.6	13	0	
	3/13	0750 / 0800	WHISLER	19.0	6.53	1.88	1.07	12.3		.5 / .6	12	0	FC59
313	3/14		V.C.W.R.D.	22.0	17.7	3.37	1.45	59.7		.6	12	0	
314	3/15		"	57.0	55.2	4.64	2.46	256.		.6	19	+.05	
315	3/16		"	59.0	135.	7.32	3.35	985.		.6	16	+.04	
316	3/17		V.C.W.R.D.	53.5	48.9	4.24	2.92	208.		.6	20	-.01	
317	3/18		"	53.0	31.7	3.29	2.68	104.		.6	19	-.01	
318	3/20		"	27.5	16.1	3.10	2.12	49.8		.6	14	+.02	
319	3/21		"	52.5	31.3	3.33	2.71	104.		.6	19	-.02	
320	3/22		"	66.0	74.5	4.66	3.31	347.		.6	20	-.03	
321	3/24		"	51.5	36.4	3.58	3.05	130.		.6	19	-.01	
322	3/25		"	53.0	32.6	3.37	2.97	110.		.6	20	0	
	3/26	1015 / 1030	BOWMAN		CHANNELS		2.92	86.5		.5 / .6	11	0	FC6
323	3/27		V.C.W.R.D.	55.5	43.0	3.78	3.20	163.		.6	16	-.01	
324	3/28		"	56.0	35.9	3.45	3.12	124.		.6	16	0	
325	3/31		"	53.5	27.0	3.12	3.01	84.4		.6	15	+.02	
326	4/1		"	136.0			4.21	1520.		.6	19	-.08	
327	4/2		"	65.0	95.4	5.85	3.56	558.		.6	15	+.01	
328	4/3		"	87.0			5.50	5550.					
329	4/4		"	57.0	121.	7.64	3.72	921.		.6	12	-.05	
330	4/5		"	63.5	82.5	6.97	3.61	575.		.6	13	-.02	
331	4/6		"	60.0	156.	9.08	4.35	1425.		.6	14	+.40	
332	4/7		"	45.0	163.	8.28	4.35	1350.		.6	11	-.06	
333	4/8		"	59.0	96.9	6.67	3.87	646.		.6	11	-.02	
334	4/9		"	90.0	83.5	4.82	3.71	402.		.6	16	-.02	
335	4/10		"	88.0	67.5	4.95	3.64	334.					
336	4/14		"	70.0	44.0	4.47	3.72	196.					
	4/17	1048 / 1102	WHISLER	66.0	38.9	3.68	3.74	143.		.5 / .6	15	0	FC41
337	4/21		V.C.W.R.D.	40.0	23.0	4.01	3.45	92.0		.6	12	+.04	
338	4/29		U.S.G.S.		CHANNELS		3.43	53.2		.6	15	0	
	5/1	0957 / 1007	WHISLER	40.0	17.1	3.42	3.35	58.4		.5	21	0	FC41
339	5/5		V.C.W.R.D.	35.0	14.8	2.85	3.39	42.1		.6	14	+.01	
340	5/7		"	35.0	11.8	3.13	3.25	37.0		.6	18	-.02	
341	5/13		"	22.0	8.95	3.18	3.25	28.5		.6	16	+.05	
342	5/15		U.S.G.S.	12.0	8.08	2.74	3.28	22.2		.6	16	0	
	5/15	1405 / 1412	WHISLER		CHANNELS		3.22	16.8		.5	11	0	FC41
343	5/19		V.C.W.R.D.	16.5	5.60	2.52	3.27	14.1		.6	12	+.04	
344	5/26		"	10.0	3.58	2.73	3.25	9.8		.6	10	-.02	
	5/29	0927 / 0932	WHISLER-BURKE	9.5	2.91	2.54	3.23	7.4		.5	9	0	FC41
345	6/6		V.C.W.R.D.	8.8	2.76	1.95	3.21	5.38		.6	12	0	
346	6/9		"	7.8	1.75	1.75	3.22	3.07		.6	10	-.01	
	6/12	0814 / 0822	WHISLER	8.0	2.14	2.48	3.23	5.3		.5	9	0	FC59
347	6/16		U.S.G.S.	6.9	1.90	1.62	3.18	3.09		.6	13	0	
348	6/16		"	6.9	1.90	1.64	3.18	3.11		.6	14	0	
349	6/23		V.C.W.R.D.	4.3	1.38	2.12	3.16	2.93		.6	12	-.01	
350	6/30		"	4.7	1.20	2.19	3.12	2.63		.6	11	0	
	7/3	0927 / 0940	BOWMAN	6.3	1.29	1.86	3.15	2.4		.5	8	0	FC59
351	7/7		V.C.W.R.D.	7.8	1.47	1.70	3.17	2.50		.6	15	-.01	
352	7/14		"	5.7	1.53	1.77	3.17	2.71		.6	14	+.01	
353	7/14		U.S.G.S.	7.0	1.31	1.24	3.18	1.63		.6	15	0	
	7/17	0752 / 0758	WHISLER	6.8	1.43	1.89	3.18	2.7		.5	8	0	FC59
354	7/21		V.C.W.R.D.	5.7	1.39	1.72	3.17	2.39		.6	13	0	
355	7/28		"	2.6	0.94	1.36	3.15	1.28		.6	8	0	
	7/31	0906 / 0912	WHISLER	6.0	1.11	1.71	3.14	1.9		.5	7	0	FC59
356	7/31		V.C.W.R.D.	5.0	1.09	1.72	3.13	1.87		.6	11	0	
357	8/4		"	3.3	0.85	0.98	3.12	0.83		.5	10	0	
358	8/11		"	3.1	0.71	1.24	3.11	0.88		.5	9	0	
	8/14	1031 / 1035	WHISLER	5.0	1.24	1.29	3.15	1.6		.5	6	0	FC59
359	8/18		U.S.G.S.	3.0	0.99	1.49	3.11	1.47		.6	11	0	
360	8/25		V.C.W.R.D.	2.2	0.75	1.35	3.12	1.01		.6	8	0	
	8/28	0823 / 0828	WHISLER	4.5	0.90	1.78	3.15	1.6		.5	5	0	FC59
361	9/2		V.C.W.R.D.	2.7	0.45	1.91	3.12	0.86		.6	10	0	
362	9/8		"	3.8	0.49	1.14	3.04	0.56		.6	13	0	
	9/11	0932 / 0936	WHISLER	4.0	0.61	1.80	3.06	1.1		.5	5	0	FC59
363	9/15		V.C.W.R.D.	2.3	0.27	1.26	2.99	0.34		.6	12	0	
364	9/22		"	2.4	0.37	1.62	3.05	0.60		.5	9	0	
	9/25	0840 / 0844	WHISLER	4.8	0.70	1.57	3.09	1.1		.5	6	0	FC59

DISCHARGE MEASUREMENTS OF SANTA CLARA RIVER

~~AT NEAR~~ Blue Cut DURING THE YEAR ENDING SEPTEMBER 30, 19 59

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATINGS	METHOD	MEAS. SEC. NO.	S. HT. CHANGE TOTAL	METER NO.
387	10/1		V.C.W.R.D.	2.2	0.36	1.50	3.06	0.54		.5	8	0	
388	10/7		"				3.09	0.48					
389	10/9	0826 / 0834	WHISLER	3.5	0.69	1.45	3.12	1.01		.5	8	0	FC59
390	10/14		V.C.W.R.D.				3.10	0.68					
391	10/15		U.S.G.S.	1.5	0.42	1.95	3.13	0.82		.5/.6	8	0	
392	10/20		V.C.W.R.D.				3.07	0.44					
393	10/23	1012 / 1016	WHISLER	3.5	0.61	1.44	3.13	0.88		.5	5	0	FC59
394	10/27		V.C.W.R.D.				3.15	1.04					
395	11/3		"				3.18	0.76					
396	11/6	0804 / 0809	WHISLER	3.0	0.61	1.80	3.18	1.12		.5	7	0	FC59
397	11/10		V.C.W.R.D.				3.14	1.36					
398	11/12		U.S.G.S.	2.5	0.67	1.86	3.12	0.98		.6	13	0	
399	11/17		V.C.W.R.D.				3.16	1.37					
400	11/20	1005 / 1015	BOWMAN	4.0	0.67	0.67	3.16	0.95		.5	9	-.0	FC59
401	11/24		V.C.W.R.D.				3.17	1.48					
402	12/1		"				3.18	1.49					
403	12/4	0850 / 0855	WHISLER	4.0	0.73	2.05	3.21	1.50		.5	5	0	FC59
404	12/8		V.C.W.R.D.				3.19	1.32					
405	12/15		"				3.23	1.23					
406	12/18	1156 / 1204	WHISLER	3.5	0.91	1.73	3.27	1.45		.5	8	0	FC59
407	12/19		U.S.G.S.	2.7	1.06	1.12	3.26	1.29		.6	14	0	
408	12/22		V.C.W.R.D.				3.28	1.05					
409	12/26	0842 / 0846	WHISLER	4.0	0.92	1.96	3.30	1.82		.5	5	0	FC59
410	12/29		V.C.W.R.D.				3.30	1.49					
411	1/5		"				3.32	1.53					
412	1/6		"				3.63	106.					
413	1/7		"				3.26	5.84					
414	1/8	0837 / 0845	WHISLER	9.5	4.58	1.20	3.25	5.50		.5/.6	8	0	FC41
415	1/12		V.C.W.R.D.				3.33	4.29					
416	1/13		U.S.G.S.	8.3	3.40	1.39	3.34	4.74					
417	1/19		V.C.W.R.D.				3.43	4.74					
418	1/22	0840 / 0850	WHISLER	22.0	4.08	1.61	3.43	6.57		.5	12	0	FC59
419	1/26		V.C.W.R.D.				3.52	4.97					
420	2/2		"				3.60	5.49					
421	2/5	0846 / 0902	BOWMAN	14.0	4.08	1.62	3.63	6.62		.5	10	0	FC6
422	2/9		V.C.W.R.D.				3.66	7.51					
423	2/11		"				3.77	80.3					
424	2/12		"				3.49	12.3					
425	2/16		"				3.88	185.					
426	2/17		"				3.55	17.4					
427	2/18		U.S.G.S.	12.0	7.02	2.32	3.49	16.4		.6	13	+.01	
428	2/19	1340 / 1350	WHISLER	15.0	6.04	2.28	3.45	13.8		.5	10	0	FC41
429	2/20		V.C.W.R.D.				3.48	17.7					
430	2/21		"				3.62	41.9					
431	2/24		"				3.46	16.0					
432	3/2		"				3.42	13.9					
433	3/5	0934 / 0940	WHISLER	15.0	6.15	2.41	3.45	14.8		.5/.6	10	0	FC59
434	3/9		V.C.W.R.D.				3.47	14.2					
435	3/17		V.C.W.R.D.				3.47	13.9					
436	3/19		U.S.G.S.	14.0	5.60	2.29	3.46	12.8		.5	15	-.01	
437	3/23		V.C.W.R.D.	14.0	5.95	2.06	3.49	12.3					
438	3/26	0842 / 0852	WHISLER	14.5	5.37	2.20	3.47	11.8		.5/.6	11	0	FC59
439	4/1		V.C.W.R.D.				3.38	8.87					
440	4/6		"				3.38	6.92					
441	4/9	1050 / 1057	WHISLER	11.5	2.95	1.56	3.37	4.57		.5	8	0	FC59
442	4/13		U.S.G.S.	4.5	1.82	1.83	3.30	3.32		.5/.6	10	+.01	
443	4/20		V.C.W.R.D.				3.28	2.86					
444	4/23	0836 / 0843	WHISLER	11.0	2.25	1.51	3.34	3.36		.5	8	0	FC59
445	4/26		V.C.W.R.D.				3.35	3.62					
446	4/27		"				3.35	3.04					
447	5/1		"				3.32	2.90					
448	5/7	0825 / 0831	WHISLER	11.5	1.87	1.39	3.28	2.60		.5	8	0	FC59
449	5/11		V.C.W.R.D.				3.27	2.01					
450	5/12		U.S.G.S.	6.5	2.34	1.13	3.26	2.64					
451	5/18		V.C.W.R.D.	3.2	1.23	1.80	3.24	2.21					
452	5/20	1306 / 1312	WHISLER	3.0	1.52	1.58	3.24	2.41		.5	6	0	FC59
453	5/25		V.C.W.R.D.				3.25	2.17					
454	5/28	0945 / 0952	WHISLER-ROY	CHANNELS			3.27	2.88		.5	7	0	FC59
455	6/1		V.C.W.R.D.				3.26	1.75					
456	6/8		"				3.30	2.10					
457	6/11	0907 / 0912	WHISLER	6.0	1.15	1.74	3.32	2.00		.5	7	0	FC59
457a	6/15		V.C.W.R.D.				3.28	1.01					
458	6/16		U.S.G.S.	3.8	1.43	1.43	3.33	2.03		.5/.6	13	0	
459	6/22		V.C.W.R.D.				3.28	0.77					
460	6/25	0805 / 0812	WHISLER	6.5	0.97	1.24	3.32	1.25		.5	8	0	FC59
461	7/1		V.C.W.R.D.				3.35	0.85					
462	7/6		"				3.35	0.26	FLUME				
463	7/8	0820 / 0830	BOWMAN	CHANNELS			3.38	0.72					FC41
464	7/13		V.C.W.R.D.				3.37	0.88					
465	7/13		U.S.G.S.	CHANNELS			3.33	0.13	FLUME				
466	7/20		V.C.W.R.D.				3.40	1.24					
467	7/23	0954 / 0958	WHISLER	4.0	0.45	1.36	3.40	0.61		.5	5	0	FC59
468	7/27		V.C.W.R.D.				3.37	0.87					
469	8/3		"				3.34	0.50					
470	8/5	0819 / 0823	WHISLER	5.0	0.72	1.53	3.38	1.12		.5	6	0	FC59
471	8/10		V.C.W.R.D.				3.38	0.78					
472	8/17		"				3.40	0.93					
473	8/17		U.S.G.S.				3.37	0.17	FLUME				
474	8/20	0845 / 0850	WHISLER	5.0	0.82	1.46	3.40	1.15		.5	6	0	FC59
475	8/24		V.C.W.R.D.				3.38	0.44					
476	9/1		"				3.36	0.06	FLUME				
477	9/3	0920 / 0932	ROY	3.0	0.68	1.06	3.42	0.72		.5/.6	7	0	FC59
478	9/15		U.S.G.S.				3.51	0.21	FLUME				
479	9/17	0810 / 0812	WHISLER	3.0	0.28	1.07	3.53	0.30		.5	4	0	FC59
480	9/23		V.C.W.R.D.				3.53	0.25	FLUME				
481	9/28		"				3.53	0.48					

76DT4M Gib 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. V309-R

Daily discharge, in second-feet of SANTA CLARA RIVER at Blue Cut for the year ending September 30, 19 56

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.3	0.9	0.8	2.2	2.2	19.0	1310	48	6.3	2.7	1.5	0.9
2	0.3	0.9	0.8	2.2	2.6	16.0	516	46	6.0	2.7	1.5	0.9
3	0.4	0.9	0.8	2.2	157	16.0	3370	44	5.6	2.6	1.4	0.9
4	0.4	0.8	1.0	2.1	871	14.0	1170	43	5.3	2.6	1.4	0.8
5	0.4	0.8	2.1	2.1	190	14.0	554	42	5.1	2.6	1.4	0.8
6	0.5	0.8	1.3	2.1	15	16.0	612	40	4.8	2.5	1.4	0.8
7	0.5	0.8	1.1	2.1	9.0	14.0	1230	38	4.6	2.5	1.4	0.8
8	0.5	0.7	1.0	2.1	11	14.0	616	36	4.4	2.4	1.4	0.8
9	0.5	0.7	1.0	2.1	9.3	14.0	404	35	4.2	2.4	1.4	0.8
10	0.5	0.7	1.1	2.2	8.2	15.0	342	33	3.9	2.3	1.3	0.8
11	0.6	0.8	1.2	2.2	7.9	16.0	296	32	3.7	2.3	1.3	0.8
12	0.7	0.8	1.2	2.2	7.6	13.0	245	31	3.6	2.2	1.3	0.8
13	0.6	0.8	1.2	2.2	7.9	20.0	228	29	3.5	2.2	1.3	0.7
14	0.8	0.8	1.3	2.2	7.9	65	185	26	3.3	2.1	1.3	0.7
15	0.7	0.8	357	2.2	7.9	266	170	23	3.2	2.1	1.2	0.7
16	0.7	0.8	125	2.2	8.2	890	150	20	3.1	2.0	1.2	0.7
17	0.7	0.8	239	2.2	9.0	186	140	18.0	3.1	2.0	1.2	0.7
18	0.6	0.8	9.3	2.2	11	99	120	16.0	3.0	2.0	1.2	0.7
19	0.7	0.8	4.4	2.1	350	67	110	15.0	3.0	1.9	1.2	0.7
20	0.9	0.8	3.7	2.1	36	63	100	14.0	3.0	1.9	1.1	0.7
21	1.2	0.8	3.3	2.1	17	124	90	13.0	3.0	1.8	1.1	0.7
22	0.8	0.9	3.1	2.1	15	407	95	12.0	2.9	1.8	1.1	0.7
23	0.7	0.9	2.9	2.1	14	190	80	11.0	2.9	1.8	1.1	0.6
24	0.7	0.9	2.8	2.2	13	123	75	10.0	2.9	1.7	1.1	0.6
25	0.7	0.8	2.6	4.4	417	106	70	9.6	2.8	1.7	1.0	0.6
26	0.7	0.8	2.6	53	42	108	65	9.0	2.8	1.6	1.0	0.6
27	0.7	0.8	2.6	6.1	18	181	60	8.5	2.8	1.6	1.0	0.6
28	0.7	0.8	2.6	2.8	19	125	57	8.0	2.8	1.5	1.0	0.6
29	0.7	0.8	2.4	2.6		97	54	7.5	2.7	1.5	0.9	0.6
30	0.7	0.8	2.4	2.4		95	52	7.1	2.7	1.5	0.9	0.6
31	0.8		2.4	2.2		84		6.7		1.5	0.9	
	19.7	24.3	784.0	125.2	2283.7	3477.0	12566	731.4	111.0	64.0	37.5	21.7
MEAN	0.64	0.81	25.3	4.04	81.6	112.	419.	23.6	3.70	2.06	1.21	0.72
ACRE-FEET	39.	48.	1560.	248.	4530.	6900.	24,920	1450.	220.	127.	74.	43.

Remarks:

YEAR OR PERIOD MEAN 55.5
ACRE-FEET 40,160.

76DT4M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. V309-R

Daily discharge, in second-feet of SANTA CLARA RIVER at Blue Cut for the year ending September 30, 19 59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.1	1.1	1.5	0.9	5.8	14	8.6	2.8	2.6	0.9	0.6	0.2
2	0.7	0.7	1.5	0.9	5.8	14	8.6	3.2	1.9	0.6	0.6	0.3
3	0.7	0.7	1.8	0.9	5.8	14	5.8	3.2	1.9	0.4	0.9	0.3
4	0.7	1.5	1.8	1.2	5.1	14	5.6	2.8	1.4	0.3	0.9	0.2
5	0.7	1.1	1.8	1.9	5.1	13	5.8	2.3	1.4	0.2	0.6	0.2
6	0.7	0.7	1.8	236	5.8	13	5.8	2.3	1.4	0.1	0.4	0.2
7	0.7	0.7	1.5	7.7	5.8	13	5.8	2.3	1.4	0.1	0.4	0.2
8	0.7	1.1	1.5	5.1	6.7	11	5.1	2.3	1.4	0.1	0.4	0.1
9	0.6	1.5	1.5	4.5	6.7	11	5.1	2.3	1.2	0	0.2	0
10	0.7	1.8	1.1	4.5	7.7	11	4.5	2.8	1.2	0.1	0.3	0
11	1.1	1.8	1.5	4.5	95	9.6	3.6	2.8	0.9	0.1	0.3	0
12	1.1	1.5	1.8	4.5	13	11	3.8	2.3	0.9	0.4	0.6	0.3
13	0.6	1.5	1.8	4.5	11	11	3.8	2.3	0.9	0.6	0.4	0.2
14	0.7	1.8	1.8	4.5	11	11	1.9	2.3	0.9	1.2	0.6	0.2
15	0.7	1.8	1.8	4.5	17	11	1.4	2.3	1.3	1.2	0.6	0.1
16	0.7	1.5	1.8	4.5	164	11	1.4	2.3	1.2	0.9	0.6	0.1
17	0.6	1.5	1.5	4.5	18	11	1.4	2.3	1.2	1.2	0.9	0.2
18	0.6	1.8	1.5	3.8	18	11	1.2	2.3	1.4	1.2	0.6	0
19	0.6	1.5	1.5	3.8	14	11	1.2	2.3	1.4	0.9	0.6	0
20	0.6	1.1	1.5	3.8	16	11	2.3	2.8	1.4	0.6	0.4	0
21	0.6	0.7	1.5	4.5	35	11	3.2	2.8	1.2	0.6	0.3	0
22	0.6	0.7	1.5	5.1	26	11	3.2	2.8	0.9	0.9	0.3	0.2
23	1.1	1.8	1.5	5.1	18	11	2.3	2.8	0.6	0.3	0.3	0.2
24	1.8	1.8	1.5	5.1	14	11	1.9	2.8	0.6	0.3	0.3	0.1
25	1.6	2.2	1.5	5.1	14	11	3.6	2.8	0.6	0.2	0.4	0.2
26	1.8	3.1	1.8	5.1	14	11	4.5	2.8	0.6	0.3	0.4	0.3
27	1.6	1.8	1.8	5.1	14	11	4.5	2.3	0.6	0.4	0.4	0.4
28	1.5	1.5	1.5	5.1	14	11	3.8	2.3	0.6	0.9	0.4	0.4
29	1.1	1.8	1.5	5.1		9.6	2.8	2.3	0.6	0.9	0.3	0.4
30	1.1	1.8	1.5	5.1		9.6	3.2	2.3	0.9	0.9	0.2	0.4
31	1.1		1.1	5.1		9.6		2.3		0.9	0.2	
	28.9	43.9	49.0	362.0	606.3	353.4	116.3	78.6	34.5	17.7	14.4	5.5
MEAN	0.93	1.46	1.58	11.7	21.7	11.4	3.88	2.54	1.15	0.57	0.46	0.18
ACRE-FEET	57.	87.	97.	718.	1200.	701.	231.	156.	68.	35.	29.	11.

Remarks:

YEAR OR PERIOD MEAN 4.69
ACRE-FEET 3390.

STATION F280-R
SANTA FE CHANNEL below Santa Fe Dam

LOCATION: WATER-STAGE RECORDER, LAT. 34°06'46", LONG. 117°58'16", ON THE LEFT (SOUTH) BANK OF SANTA FE CHANNEL (THE DIVERSION CANAL), 400 FEET DOWNSTREAM FROM THE STILLING BASIN OUTLET AT SANTA FE DAM AND 1.5 MILES NORTH OF BALDWIN PARK. ELEVATION OF ZERO GAGE HEIGHT, 401.94 FEET.

DRAINAGE AREA: CONTROLLED.

CHANNEL AND CONTROL: CHANNEL - SAND AND GRAVEL.
CONTROL - CONCRETE APRON THREE FEET WIDE, TEN FEET BELOW STATION.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING; HIGH FLOWS MEASURED FROM FOOTBRIDGE ABOVE CONTROL.

RECORDER: AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1957 TO SEPTEMBER 30, 1959.

REGULATION: FLOW REGULATED BY FIVE GATED OPENINGS FROM THE STILLING BASIN OUTLET OF SANTA FE DAM TO SANTA FE CHANNEL.

RECORDS AVAILABLE: OCTOBER 1, 1942 TO MAY 12, 1944. FLOW DETERMINED BY GATE OPENINGS AND MEASUREMENTS. RECORDER RECORDS FROM MAY 12, 1944 TO SEPTEMBER 30, 1959.

EXTREMES OF DISCHARGE:
1957-58
MAXIMUM 635 CFS APRIL 4, AND 5.
MINIMUM NO FLOW MOST OF YEAR.
1958-59
NO FLOW DURING THIS PERIOD.
1943-59
MAXIMUM 839 SECOND-FEET, NOVEMBER 3, 1952.
MINIMUM NO FLOW MOST OF EACH YEAR.

ACCURACY: GOOD.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT IN COOPERATION WITH THE CORPS OF ENGINEERS, DEPARTMENT OF THE ARMY, AND THE UNITED STATES GEOLOGICAL SURVEY, WATER RESOURCES BRANCH.

DISCHARGE MEASUREMENTS OF SANTA FE CHANNEL

AT OR NEAR below Santa Fe Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 58

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	D. CHANGE TOTAL	METER NO.
107	2/8	0957 / 1059	WADDICOR-BROOK	35.0	112.	2.38	5.17	267.		.2 .6 .8	20	-.01	FC42
108	2/8	1239 / 1337	" "	41.5	182.	3.36	6.91	612.		.2 .6 .8	21	+.02	"
109	2/9	1135 / 1228	" "	37.0	123.	2.77	5.53	340.		.2 .6 .8	20	0	"
110	2/9	1444 / 1531	" "	35.0	111.	2.51	5.14	279.		.2 .6 .8	19	0	"
111	2/10	0850 / 1001	WADDICOR-BOWMAN	34.0	107.	2.47	5.08	264.		.2 .6 .8	19	0	"
112	2/13	0940 / 1038	WADDICOR-ROY	37.0	136.	2.90	5.87	394.		.2 .8	20	-.01	"
113	2/13	1206 / 1254	" "	38.0	148.	3.14	6.23	465.		.2 .8	20	-.02	FC45
114	2/22	0853 / 0953	ROY-TWITTY	37.0	135.	2.93	5.80	396.		.2 .6 .8	20	-.10	FC51
115	2/26	1548 / 1618	HOLLERON-TWITTY	35.0	107.	2.60	5.12	278.		.2 .8	14	0	FC56
116	2/28	0833 / 0904	ROY-BUCK	32.0	67.1	2.34	4.59	204.		.2 .6 .8	17	0	FC26
117	3/5	1526 / 1554	HOLLERON	31.5	82.8	2.13	4.37	176.		.2 .8	12	0	FC56
118	3/13	1625 / 1701	HOLLERON-WALTON	30.5	74.9	1.98	4.12	148.		.2 .8	11	0	"
119	3/16	1320 / 1340	WADDICOR-GARCIA	29.0	65.0	1.40	3.61	94.9		.6	19	0	FC51
120	4/4	1730 / 1802	HOLLERON-NEWSOME	41.0	177.	3.56	6.91	630.		.2 .8	15	-.02	FC56
121	4/7	0927	HOLLERON-ROY	31.5	80.8	2.23	4.32	180.		.2 .8	13	0	"

180746M C-L 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F280-R

Daily discharge, in second-feet of SANTA FE CHANNEL below Santa Fe Dam for the year ending September 30, 1958

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	207	0	0	0			
2	0	0	0	0	0	137	0	0	0			
3	0	0	0	0	0	119	0	0	0			
4	0	0	0	0	0	210	222	0	0			
5	0	0	0	0	0	202	621	0	0			
6	0	0	0	0	0	59	453	0	0			
7	0	0	0	0	0	162	220	0	0			
8	0	0	0	0	347	147	278	0	0			
9	0	0	0	0	333	178	105	0	0			
10	0	0	0	0	284	195	01	0	0			
11	0	0	0	0	310	143	+	0	0			
12	0	0	0	0	310	181	|	0	0	STOPPED FOR SUMMER		
13	0	0	0	0	432	150	|	0	0			
14	0	0	0	0	352	144	|	0	0			
15	0	0	0	0	307	65	|	0	0			
16	0	0	0	0	304	49	|	0	0			
17	0	0	0	0	326	115	|	0	0			0
18	0	0	0	0	295	153	|	0	0			0
19	0	0	0	0	0	102	+	0	0			0
20	0	0	0	0	0	0	0	0	0			0
21	0	0	0	0	0	0	0	0	0			0
22	0	0	0	0	255	0	0	0	0			0
23	0	0	0	0	387	0	0	0	0			0
24	0	0	0	0	243	0	0	0	0			0
25	0	0	0	0	56	0	0	0	0			0
26	0	0	0	0	241	0	0	0	0			0
27	0	0	0	0	242	0	0	0				0
28	0	0	0	0	203	0	0	0				0
29	0	0	0	0		0	0	0				0
30	0	0	0	0		0	0	0				0
31	0		0	0		0		0				
	0		0		5227		18991		0		0	
		0		0		2718		0		0		0
MEAN	0	0	0	0	187.	87.7	63.3	0	0	0	0	0
ACRE-FEET	0	0	0	0	10370.	5390.	3770.	0	0	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 27.0
ACRE-FEET 19,530

DISCHARGE MEASUREMENTS OF SAWPIT CREEK

~~AT~~ NEAR below Sawpit Dam DURING THE YEAR ENDING SEPTEMBER 30, 1958

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METH OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
255	12/18	0837 / 0852	HOLLERON	3.3	1.44	0.97	0.22	1.4		.5	13	0	FC48
256	12/26	1306 / 1312	"	1.0	0.25	0.72	0.04	0.18		.5	5	0	"
257	1/26	0002 / 0012	HOLLERON-FLYNN	3.4	1.22	0.78	0.12	0.95		.5	9	0	"
258	1/26	0402 / 0413	" "	5.5	4.29	2.26	1.10	9.7		.6	12	0	FC56
259	1/27	1524 / 1534	HOLLERON	4.5	1.77	0.77	0.22	1.4		.5	10	0	FC48
260	1/30	1236 / 1246	"	3.2	0.95	0.63	0.12	0.60		.5	9	0	"
261	2/3	0920 / 0930	"	5.7	3.43	1.52	0.61	5.2		.6	11	0	FC56
262	2/4	1144 / 1152	HOLLERON-WALTON	8.6	6.63	3.47	1.46	23.0		.6	11	-.01	"
263	2/4	1208 / 1220	" "	13.7	10.0	2.31	1.46	23.1		.6	16	0	"
264	2/6	0853 / 0907	HOLLERON	6.6	3.40	1.20	0.59	4.1		.6	13	0	"
265	2/13	1502 / 1512	"	3.9	1.38	0.87	0.15	1.2		.5 .6	9	0	FC48
266	2/19	0952 / 1004	HOLLERON-WALTON	4.9	2.61	1.27	0.42	3.32		.5	11	+.05	"
267	2/19	1607 / 1624	" "	7.6	4.64	2.22	1.11	10.3		.6	14	-.02	FC56
268	2/25	0854 / 0904	" "	6.8	3.29	1.64	0.64	5.4		.5	12	-.02	FC48
269	2/27	1116 / 1124	HOLLERON	5.2	1.70	0.94	0.21	1.6		.5 .6	8	0	"
270	3/6	1256 / 1306	"	5.4	1.55	0.77	0.21	1.2		.5 .6	9	0	"
271	3/13	1103 / 1113	"	3.2	0.96	0.66	0.14	0.63		.5	9	0	FC56
272	3/15	2248 / 2302	HOLLERON-WALTON	5.0	2.82	1.48	0.55	4.2		.6	11	+.04	"
273	3/16	0606 / 0620	" "	15.0	10.5	2.66	1.59	27.7		.6	15	-.01	"
274	3/20	1230 / 1242	HOLLERON	6.0	2.91	1.20	0.51	3.5		.6	13	-.02	FC48
275	3/27	1246 / 1254	HOLLERON-WALTON	7.7	4.71	2.02	1.08	9.5		.6	15	-.02	FC56
276	4/1	0937 / 0954	HOLLERON	8.0	5.71	2.59	1.36	14.8		.6	16	+.02	"
277	4/1	1319 / 1334	HOLLERON-VRADENBURG	16.0	13.2	3.47	1.70	45.8		.6	17	0	"
278	4/3	1015 / 1029	HOLLERON-WALTON	15.0	11.6	4.29	1.76	49.7		.6	15	+.01	"
279	4/7	1620 / 1626	HOLLERON-ROY	9.5	7.89	3.13	1.57	24.7		.6	11	0	"
280	4/15	1112 / 1126	HOLLERON	6.2	3.88	1.67	0.79	6.5		.6	12	0	FC56
281	4/25	1536 / 1548	"	6.1	3.00	1.10	0.41	3.3		.6	12	0	FC48
282	5/1	1508 / 1518	"	4.6	2.43	1.15	0.37	2.8		.6	10	0	"
283	5/8	1349 / 1401	"	4.5	2.34	1.02	0.29	2.4		.6	10	0	"
284	5/15	1332 / 1344	MC BRIDE	4.3	2.15	0.93	0.26	2.0		.6	10	0	"
285	5/22	1210 / 1224	HOLLERON	4.5	1.91	0.78	0.22	1.5		.6	10	0	"
286	5/28	1610 / 1622	"	4.5	2.00	0.75	0.22	1.5		.6	10	0	"
287	6/5	1532 / 1540	"	3.2	1.08	0.34	0.13	0.37		.5	9	0	"
288	6/19	1344 / 1354	"	3.0	0.87	0.47	0.08	0.41		.5	9	0	"
289	6/26	1426 / 1428	"	1.0	0.08	3.88	0.06	0.31	FLOATS		5	0	
290	7/2	1110 / 1113	"	1.0	0.10	4.10	0.06	0.41	"		5	0	
291	7/17	1415 / 1417	"	1.0	0.08	3.12	0.06	0.25	"		5	0	
292	7/23	1318 / 1320	"	1.0	0.08	3.00	0.07	0.24	"		5	0	
293	7/30	1324 / 1327	"	1.0	0.06	2.50	0.05	0.15	"		5	0	
294	8/6	0820 / 0822	"	1.0	0.05	1.20	0.05	0.06	"		5	0	
295	8/27	1240 / 1245	ROY	1.2	0.16	0.88	0.07	0.14		.5	5	0	FC48
296	9/3	1406 / 1412	"	1.0	0.08	1.38	0.06	0.11		.5	5	0	"
297	9/10	1528 / 1530	HOLLERON	1.0	0.05	1.40	0.04	0.07	FLOATS		5	0	
298	9/25	1335 / 1340	ROY	1.5	0.08	0.75	0.07	0.06		.5	4	0	FC48

DISCHARGE MEASUREMENTS OF SAWPIT CREEK

~~AT~~ NEAR below Sawpit Dam DURING THE YEAR ENDING SEPTEMBER 30, 1959

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METH OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
299	10/2	1128 / 1130	HOLLERON-NARDI	1.0	0.05	1.60	0.03	0.08	FLOATS			0	
300	10/16	1036 / 1040	HOLLERON	1.0	0.07	1.86	0.06	0.13	"			0	
301	10/23	1352 / 1354	"	1.0	0.08	2.50	0.10	0.20	"			0	
302	10/31	0914 / 0922	"	2.4	0.80	0.83	0.11	0.66		.6	6	0	FC48
303	11/6	1340 / 1350	"	2.4	0.68	0.81	0.10	0.55		.5	7	0	"
304	11/13	1044 / 1052	"	2.4	0.69	0.84	0.09	0.58		.5	7	0	"
305	11/19	1306 / 1314	"	2.4	0.67	0.75	0.09	0.50		.6	7	0	"
306	11/26	1202 / 1210	"	2.4	0.66	0.73	0.09	0.48		.6	7	0	"
307	12/3	1254 / 1302	"	2.4	0.59	0.81	0.08	0.48		.5	7	0	"
308	12/5	1403 / 1420	BROOK	11.8	3.90	2.00	0.92	7.8		.5	15	-.02	FC35
309	12/5	1612 / 1636	"	12.0	4.76	2.27	1.14	10.8		.5	15	-.01	"
310	12/11	1058 / 1106	HOLLERON	2.4	0.73	0.62	0.07	0.45		.6	7	0	FC48
311	1/2	1102 / 1108	"	2.4	0.73	0.60	0.05	0.44		.5	7	0	"
312	1/6	0348 / 0401	HOLLERON-WALTON	8.8	8.37	4.30	1.65	36.0		.6	10	0	FC56
313	1/15	0912 / 0922	HOLLERON	3.9	1.54	1.36	0.27	2.1		.6	9	0	FC48
314	1/22	1118 / 1126	"	2.3	0.34	0.74	0.05	0.25		.5	7	0	"
315	1/29	1425 / 1435	BOWMAN	3.7	1.21	0.70	0.12	0.85		.5	7	0	"
316	2/5	1314 / 1322	HOLLERON	2.9	0.90	0.86	0.12	0.77		.6	8	0	"
317	2/8	1238 / 1240	HOLLERON-WALTON	1.0	0.06	2.00	0.02	0.12	FLOATS		5	0	
318	2/12	1334 / 1345	" "	12.0	4.68	2.37	1.13	11.1		.5 .6	15	0	FC56
319	2/16	1318 / 1320	ROY-PETERSEN	2.5	0.37	0.84	0.06	0.31		.5	4	0	FC51
320	2/17	0836 / 0848	HOLLERON-ROY	12.5	6.29	2.20	1.32	13.8		.6	14	0	FC56
321	2/19	1415 / 1425	HOLLERON	3.6	1.71	1.87	0.40	3.2		.6	8	0	FC48
322	2/26	1425 / 1439	"	3.6	1.65	1.70	0.40	2.8		.6	10	0	"
323	3/5	1414 / 1424	"	3.6	1.70	1.59	0.40	2.7		.6	9	0	"
324	3/12	1031 / 1037	"	3.0	0.88	1.36	0.19	1.2		.5	7	0	"
325	3/17	0956 / 1010	"	3.0	1.35	1.78	0.35	2.4		.6	9	0	"
326	3/23	0930 / 0938	"	3.0	1.14	1.93	0.35	2.2		.5	8	0	"
327	4/2	1322 / 1332	"	3.0	0.80	1.14	0.14	0.91		.5	8	0	"
328	4/9	1014 / 1022	"	2.8	0.82	1.17	0.14	0.96		.6	8	0	"
329	4/16	1400 / 1402	"	1.2	0.27	4.81	0.24	1.3	FLOATS		5	0	
330	4/23	1138 / 1140	"	1.2	0.40	3.75	0.34	1.5	"		5	0	
331	4/30	1336 / 1340	"	1.2	0.31	4.51	0.42	1.4	"		5	0	
332	5/7	1056 / 1100	"	5.5	0.62	3.70	1.38	2.3	"		7	0	
333	5/14	1220 / 1224	"	1.2	0.28	4.64	0.21	1.3	"		5	0	
334	5/21	1014 / 1016	"	1.2	0.29	3.79	0.35	1.1	"		5	±	
335	5/28	0850 / 0852	"	1.2	0.24	3.88	0.18	0.93	"		5	0	
336	6/4	0902 / 0908	"	3.0	0.58	2.07	0.19	1.2		.6	7	0	FC48
337	6/11	1234 / 1238	"	2.6	0.41	2.68	0.15	1.1		.5	6	0	"
338	6/18	1338 / 1344	HOLLERON-BLAKELY	2.0	0.59	2.03	0.14	1.2		.5	6	0	"
339	6/25	1308 / 1318	HOLLERON	4.0	0.74	1.48	0.14	1.1		.5	9	0	"
340	7/2	1302 / 1305	"	1.1	0.18	5.56		1.0	FLOATS		5		
341	7/16	1240 / 1252	BOWMAN	3.0	0.43	1.96		0.84		.5	9		FC48
342	7/23	1325 / 1333	HOLLERON	3.0	0.80	1.25		1.0		.5	7		"
343	7/30	1318 / 1326	"	3.0	0.68	1.42		0.98		.5	7		"
344	8/6	1314 / 1320	"	2.2	0.42	0.60	0.04	0.25		.5	6	0	"
345	8/13	1335 / 1343	"	2.4	0.30	0.60	0.04	0.18		.5	7	0	"
346	8/20	1055 / 1101	"	2.1	0.27	0.63	0.03	0.17		.5	6	0	"
347	8/27	1434 / 1440	"	1.8	0.27	0.44	0.03	0.12		.5	6	0	"
348	9/3	1340	"				0.04	0.14	VOLUMETRIC				
349	9/10	1310	"				0.04	0.13	"	"			
350	9/17	1248 / 1256	"	2.1	0.28	0.57	0.03	0.16		.5	8	0	FC48

74D74M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F276-R

Daily discharge, in second-feet of SAWPIT CREEK below Sawpit Dam, for the year ending September 30, 1958

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0.3	1.2	27	2.7	0.9	0.4	0.2	0.1
2	0	0	0	0	0.3	1.0	24	2.7	0.8	0.4	0.2	0.1
3	0	0	0	0	3.0	1.0	4.3	2.6	0.6	0.4	0.1	0.1
4	0	0	0	0	18.4	0.8	3.0	2.5	0.5	0.4	0.1	0.1
5	0	0	0	0	7.6	0.8	2.6	2.4	0.4	0.4	+	0.1
6	0	0	0	0	4.0	1.1	2.1	2.4	4.5	0.4		0.1
7	0	0	0	0	3.3	1.0	2.3	2.4	1.4	0.4		0.1
8	0	0	0	0	2.8	1.0	18.0	2.4	0	0.3		0.1
9	0	0	0	0	2.3	0.8	15.0	2.3	0	0.3		0.1
10	0	0	0	0	1.9	0.8	12.5	2.2	0	0.3		0.1
11	0	0	0	0	1.1	0.8	10.7	2.2	0	0.3		0.1
12	0	0	0	0	1.0	0.8	9.6	2.2	0	0.3		0.1
13	0	0	0	0	1.2	0.6	8.7	2.1	0	0.3		0.1
14	0	0	0	0	1.2	0.8	7.6	2.1	0	0.3		+
15	0	0	0	0	1.2	1.2	6.5	2.1	0.4	0.3		
16	0	0	0.3	0	1.2	13.3	6.2	2.1	0.4	0.3		
17	0	0	3.6	0	1.2	6.1	5.9	2.0	0.4	0.3		
18	0	0	1.4	0	1.1	5.3	5.5	1.9	0.4	0.3		
19	0	0	1.0	0	6.2	4.3	5.1	1.9	0.4	0.3		
20	0	0	0.9	0	4.2	4.4	4.7	1.7	0.4	0.3		
21	0	0	0.7	0	2.6	5.0	4.4	1.6	0.4	0.2	+	0.1
22	0	0	0.5	0	1.8	7.8	4.1	1.5	0.4	0.2	0.1	0.1
23	0	0	0.4	0	1.7	5.9	3.8	1.5	0.3	0.2	0.2	0.1
24	0	0	0.3	0	1.5	5.6	3.5	1.5	0.3	0.2	0.2	0.1
25	0	0	b 0.1	0.1	3.4	5.1	3.3	1.5	0.3	0.2	0.1	0.1
26	0	0	0.1	4.3	2.2	4.2	3.4	1.5	0.3	0.2	0.1	0.1
27	0	0	+	1.6	1.6	5.6	3.3	1.5	0.3	0.2	0.1	0.1
28	0	0	+	1.4	1.4	4.7	3.1	1.5	0.3	0.2	+	0.1
29	0	0	b +	1.2		3.6	3.0	1.3	0.3	0.2	+	0.1
30	0	0	0	0.8		3.6	2.9	1.2	0.3	0.2	0.1	0.1
31	0		0	0.4		3.6		1.0		0.2	0.1	
	0		9.3		79.7		344.8		14.7		1.6	
		0		9.8		101.8		60.5		8.9		2.3
MEAN	0	0	0.30	0.32	2.85	3.28	11.5	1.95	0.49	0.29	0.05	0.08
ACRE-FEET	0	0	18.	19.	158.	202.	684.	120.	29.	18.	3.2	4.6

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 1.73
ACRE-FEET 1260.

74D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F276-R

Daily discharge, in second-feet of SAWPIT CREEK below Sawpit Dam, for the year ending September 30, 1959

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.8	0.7	a 0.5	0.3	0.8	2.8	1.4	b 2.3	b 1.2	b 1.1	b 1.0	0.1
2	0.8	0.7	0.5	0.5	0.8	2.7	0.9	2.3	1.2	1.1	1.0	0.1
3	0.8	0.6	0.5	0.5	0.8	2.7	0.9	2.3	1.2	1.1	1.0	0.1
4	0.8	0.6	a 0.5	0.4	0.8	2.7	0.9	2.3	1.2	1.1	0.7	0.1
5	0.9	0.6	4.1	0.5	0.8	2.7	0.9	2.3	1.2	1.1	0.2	0.1
6	0.9	0.6	1.2	7.3	0.4	2.7	1.0	2.3	1.2	1.1	0.2	0.1
7	0.1	0.6	0.3	+	b 0.1	2.5	1.0	2.3	1.2	1.1	0.2	0.1
8	0.1	0.6	2.1	0.3	b 0.1	2.0	1.0	2.2	1.2	1.1	0.2	0.1
9	0.1	0.5	1.0	1.2	b 0.1	1.9	1.0	2.0	1.2	1.1	0.2	0.1
10	0.1	0.6	1.9	a 2.1	+	1.6	1.7	1.9	1.2	1.1	0.2	0.1
11	0.1	0.6	0.7	2.1	+	1.4	2.4	1.8	1.2	1.1	0.2	0.1
12	0.1	0.6	0	2.1	5.3	1.2	2.2	1.6	1.2	1.1	0.2	0.1
13	0.1	0.6	0	2.1	10.5	0.8	2.1	1.5	1.2	1.1	0.2	0.1
14	0.1	0.6	0	a 2.1	9.7	0	2.2	1.3	1.2	1.1	0.2	0.1
15	0.1	0.6	0	2.0	4.5	0	1.4	1.3	1.2	1.1	0.2	0.2
16	0.1	0.6	0	a 1.8	4.5	1.3	b 1.3	1.2	1.2	1.1	0.2	0.2
17	0.1	0.5	0	1.5	13.5	1.5	1.3	1.2	1.2	1.1	0.2	0.2
18	0.2	0.5	0	1.3	12.4	0	1.3	1.2	1.2	1.1	0.2	0.2
19	0.2	a 0.5	0	1.0	3.2	0	1.3	1.2	1.2	1.1	0.2	0.1
20	0.2	0.5	0	a 0.8	3.3	0.7	1.3	1.1	1.2	1.1	0.2	0.1
21	0.2	0.5	0	0.6	2.8	2.2	1.3	1.1	1.2	1.0	0.2	0.1
22	0.2	0.5	0	0.4	3.0	2.2	1.3	1.1	1.2	1.0	0.2	+
23	0.2	0.5	0	0.6	2.9	2.2	1.5	1.1	1.1	1.0	0.2	0
24	3.2	0.5	0	0.8	2.9	0.8	b 1.5	1.1	1.1	1.0	0.1	0
25	2.0	0.5	0	0.8	2.8	0.6	2.7	1.1	1.1	1.0	0.1	0
26	1.2	a 0.5	0	0.9	2.8	0.8	2.7	1.1	1.1	1.0	0.1	0
27	1.1	0.5	0	0.9	2.8	0	b 1.4	1.1	1.1	1.0	0.1	0
28	1.0	a 0.5	0	1.0	2.8	0	1.4	1.2	1.1	1.0	0.1	+
29	0.8	a 0.5	0	0.9		0	1.4	1.2	1.1	1.0	0.1	+
30	0.7	a 0.5	0	0.9		1.3	b 1.7	1.2	b 1.1	1.0	0.1	+
31	0.7		0	0.8		2.2		b 1.2		b 1.0	0.1	
	13.5		13.3		94.4		44.4		35.2		8.3	
		16.7		38.5		43.5		48.1		33.0		2.5
MEAN	0.44	0.56	0.43	1.24	3.37	1.40	1.48	1.55	1.17	1.06	0.27	0.08
ACRE-FEET	27.	33.	26.	76.	187.	86.	88.	95.	70.	65.	16.	5.0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 1.07
ACRE-FEET 776.

STATION U5-R
SAWPIT CREEK below Monrovia Canyon

LOCATION: WATER-STAGE RECORDER AND BROAD-CRESTED WEIR CONTROL, LAT. 34°10'23", LONG. 117°59'18", IN SW 1/4, SE 1/4, NW 1/4, SEC. 13, T.1N, R.11W, 0.1 MILE DOWNSTREAM FROM MONROVIA CREEK. ALTITUDE OF GAGE ABOUT 1100 FEET.

DRAINAGE AREA: 5.3 SQUARE MILES.

RECORDS AVAILABLE: NOVEMBER 1916 TO SEPTEMBER 1959.

AVERAGE DISCHARGE: FORTY-TWO YEARS (1917-1959) 1.13 SECOND-FEET; INCLUDING DIVERSION BY MONROVIA PIPE LINE, FORTY-TWO YEARS, 2.49 SECOND-FEET.

EXTREMES OF DISCHARGE:
1957-58
MAXIMUM DISCHARGE 165 SECOND-FEET APRIL 1 (GAGE HEIGHT 3.75 FEET).
MINIMUM NO FLOW DURING SEVERAL MONTHS.
1958-59
MAXIMUM DISCHARGE 181 SECOND-FEET JANUARY 6, GAGE HEIGHT 3.95 FEET.
MINIMUM NO FLOW DURING MOST OF YEAR.
1916-59
MAXIMUM DISCHARGE ABOUT 1800 SECOND-FEET MARCH 2, 1938 (REVISED).
MINIMUM NO FLOW DURING PARTS OF MOST YEARS.

REMARKS: RECORDS GOOD. REGULATION AT SAWPIT DAM ABOVE STATION AND DIVERSIONS BY CITY OF MONROVIA.

COOPERATION: RECORDS FURNISHED BY THE UNITED STATES GEOLOGICAL SURVEY, WATER RESOURCES BRANCH. TWENTY-THREE DISCHARGE MEASUREMENTS FURNISHED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF SAWPIT CREEK

AT NEAR below Monrovia Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 56

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	D. HT. CHANGE TOTAL	METER NO.
1069	12/5	0456 / 0503	HOLLERON-FLYNN	1.2	0.44	0.34	1.80	0.15		.5	5	0	FC48
1070	12/16	0925 / 0935	HOLLERON	3.2	1.09	1.01	2.08	1.1		.5	9	0	"
1071	12/17		U.S.G.S.	6.1	2.87	1.88	2.44	5.39		.5 or .6	24	.05	
1072	12/18	1026 / 1040	HOLLERON	6.1	1.59	1.38	2.25	2.20				0	FC48
1073	1/3		U.S.G.S.				1.78	0.01				0	
1074	1/25	2340 / 2350	HOLLERON-FLYNN	5.5	1.11	1.17	2.13	1.30		.5	10	+.01	FC48
1075	1/28		U.S.G.S.	3.4	1.72	0.87	2.32	1.50		.5 or .6	12	-.01	
1776	2/3		"	7.4	3.17	1.69	2.52	5.35		.5 or .6	16	0	
1077	2/5		"	8.8	4.32	2.24	2.56	9.67		.5 or .6	20	0	
1078	2/15		"	1.6	0.20	0.45	2.10	0.09		.5	9	0	
1079	2/19		"	9.0	5.82	2.78	2.65	16.2		.5 or .6	12	-.02	
1080	2/21		"	5.9	2.17	0.99	2.34	2.15		.5 or .6	13	-.005	
1081	2/26		"		2.15	0.81	2.30	1.75			16	-.02	
1082	3/15		"	6.5	2.10	1.42	2.33	2.98		.6	22	0	
1083	3/17		"	10.0	4.76	1.98	2.56	9.42		.5 or .6	18	+.07	
1084	3/25		"	5.5			2.39	4.44		.5 or .6	14	0	
1085	3/29		"	7.1	2.33	1.77	2.39	5.18		.5 or .6	23	0	
1086	4/3		"	28.9	28.9		2.44	27.9		.5	22	0	
1087	4/10		"	7.0	7.76	2.07	2.05	16.1		.6	15	-.02	
1088	4/17		"	6.8	4.55	1.48	1.72	6.71		.6	15	0	
1089	4/23		"	6.7	3.79	1.07	1.56	4.05		.5 or .6	15	0	
1090	5/1		"	6.5	2.91	0.69	1.41	2.01		.5 or .6	15	0	
1091	5/15		"	6.1	2.23	0.67	1.27	1.50		.6	17	0	
1092	5/20		"	5.7	2.02	0.61	1.29	1.24		.5 or .6	20	0	
1093	6/4		"	1.20	0.24	1.23	1.07	0.30		.5	5	0	
1094	6/10		"				1.05	0.02	FLUME			+.01	
1095	6/18		"				0.98	0.01	"			0	
1096	7/2		"				1.00	0.01	"			0	
1097	7/16		"				1.00	0.01	"			0	
1098	8/6		"				1.00	0.01	"			0	
1099	9/3		"				1.01	0.01	"			0	
1100	9/16		"				0.98	0.01	"			0	

DISCHARGE MEASUREMENTS OF SAWPIT CREEK

AT NEAR below Monrovia Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 57

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	D. HT. CHANGE TOTAL	METER NO.
1101	10/1		U.S.G.S.				0.98	0.05	EST.				
1102	10/13		"				1.00	0.01	FLUME				
1104	10/29		"	2.1	0.52	1.29	1.25	0.67		.5 or .6	8	-.03	
1105	11/5	1148 / 1156	HOLLERON	2.1	0.66	0.91	1.51	0.60		.6	7	0	FC48
1106	11/19	1526 / 1534	"	2.1	0.66	0.79	1.54	0.52		.5	6	0	"
1107	11/20		U.S.G.S.	1.8	0.29	1.04	1.28	0.30		.5	7	0	
1108	12/3	1136 / 1142	HOLLERON	1.5	0.53	0.87	1.38	0.48		.5	6	0	FC48
1109	12/9		U.S.G.S.	2.0	0.80	1.72	1.50	1.38		.5 or .6	8	0	
1111	1/2	1030 / 1036	HOLLERON	1.9	0.53	0.98	1.50	0.52		.5	6	0	FC48
1112	1/5		U.S.G.S.	1.4	0.40	1.45	1.51	0.58		.6	6	0	
1113	1/6		"	14.0	8.40	3.04	2.31	25.5		.5 or .6	12	+.26	
1114	1/7		"	2.6	0.46	1.33	1.21	0.61		.5	11	0	
1115	1/15	0854 / 0902	HOLLERON	4.5	1.52	1.48	1.45	2.25		.6	10	0	FC48
1116	1/22		U.S.G.S.	1.3	0.33	1.51	1.20	0.59		.6	5	0	
1117	1/24		"	1.5	0.56	1.40	1.19	0.78		.5	8	0	
1118	1/29	1510 / 1520	BOWMAN	4.4	0.55	1.00	1.56	0.65		.5	7	0	FC45
1119	2/3		U.S.G.S.	4.4	0.83	0.77	1.17	0.64		.5	14	0	
1120	2/12		"	10.0	3.65	3.04	2.01	11.1		.5 or .6	11	0	
1121	2/18		"	8.0	4.49	2.58	2.00	11.6		.5	15	+.01	
1122	3/2		"	5.0	1.93	1.60	1.60	3.08		.5 or .6	11	0	
1123	3/12		"	4.0	1.39	0.81	1.50	1.13		.5 or .6	10	0	
1124	3/25	0838 / 0842	HOLLERON	0.6	0.06	0.67	1.28	0.04		.5	5	0	FC48
1125	4/8		U.S.G.S.	2.4	0.61	1.31	1.44	0.80		.5 or .6	7	0	
1127	4/20		"	3.5	1.44	1.79	1.73	2.29		.5	8		
1129	5/8		"		CHANNELS			4.55					
1131	5/18		"	7.0	1.30	1.37		2.56		.5	9	0	
1133	6/5		"	0.2	0.68	2.68		1.32		.5 or .6	6	0	
1134	6/11	1216 / 1220	HOLLERON	2.3	0.53	2.32		1.23		.5	6	0	FC48
1135	6/15		U.S.C.S.	3.0	0.50	2.30		1.15		.5	11	0	
1136	6/25	1414 / 1422	HOLLERON	3.5	0.67	1.52		1.02		.5	9	0	FC48
1137	7/15		U.S.C.S.	2.2	0.48	2.19	2.34	1.05		.5	10	0	
1138	7/30	1304 / 1312	HOLLERON	3.2	0.61	1.54	2.36	0.94		.5	9	C	FC48
1139	8/6		U.S.C.S.				2.28	0.22		FLUME			
1140	8/13	1432 / 1438	HOLLERON	1.0	0.15	1.07	2.28	0.16		.5	6	0	FC48
1141	8/27	1420 / 1424	"	1.0	0.12	0.67	2.27	0.08		.5	5	0	"
1142	9/2		U.S.C.S.	1.0	0.20	0.65	2.30	0.19		.5	8	0	

76D74M Gib 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U5-R

Daily discharge, in second-feet of SAWPIT CREEK below Monrovia Canyon, for the year ending September 30, 1958

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0.1	0.8	0.8	4.8	2.0	0.7	0	0	0
2	0	0	0	0	0.9	0.6	2.8	2.1	0.7	0	0	0
3	0	0	0	0	5.5	0.5	6.2	1.8	1.1	0.4	0	0
4	0	0	0	0	21	0.5	4.0	1.6	0.7	0.5	0	0
5	0	0	0.1	0	9.5	0.5	2.8	1.5	0.6	0.8	0	0
6	0	0	0	0	6.5	1.0	3.1	1.4	6.0	0.2	0	0
7	0	0	0	0	5.0	0.8	4.1	1.4	2.1	0	0	0
8	0	0	0	0	4.2	0.8	3.3	1.4	0.1	0	0	0
9	0	0	0	0	3.6	0.1	2.1	1.3	0	0	0	0
10	0	0	0	0	2.8	0.2	15.0	1.3	0	0	0	0
11	0	0	0	0	1.3	1.2	12.0	1.5	0	0	0	0
12	0	0	0	0	1.0	0.6	8.6	1.6	0	0	0	0
13	0	0	0	0	0.9	0.5	8.6	1.6	0	0	0	0
14	0	0	0	0	0.4	0.3	8.9	1.6	0	0	0	0
15	0	0	0.3	0	0.3	2.0	7.7	1.7	0.1	0	0	0
16	0	0	1.5	0	0.2	17.0	6.9	1.5	0.2	0	0	0
17	0	0	7.5	0	0.1	8.3	6.3	1.5	0.3	0	0	0
18	0	0	2.2	0	0	6.5	5.5	1.3	0	0	0	0
19	0	0	1.4	0	10.0	4.8	5.0	1.3	0	0	0	0
20	0	0	1.2	0	3.3	5.0	5.0	1.1	0	0.1	0	0
21	0	0	1.1	0	1.6	5.2	5.0	1.1	0	0.1	0	0
22	0	0	1.0	0	1.0	8.9	5.0	0.9	0	0.1	0	0
23	0	0	0.9	0	0.8	6.3	4.6	1.0	0	0.1	0	0
24	0	0	0.8	0	0.7	5.2	3.6	0.8	0	0.2	0	0
25	0	0	0.7	0.2	3.2	4.6	2.9	0.8	0	0.2	0	0
26	0	0	0.4	9.2	1.7	4.8	2.6	0.7	0	0.1	0	0
27	0	0	0.2	1.8	0.9	7.5	2.5	0.6	0	0.1	0	0
28	0	0	0.2	1.3	1.0	6.1	2.6	0.7	0	0.1	0	0
29	0	0	0.1	1.1		5.5	2.4	0.7	0	0.1	0	0
30	0	0	0.1	1.1		5.2	2.1	0.7	0	0.1	0	0
31	0		0.1	0.8		5.0		0.7		0.1	0	
	0		19.8		88.2		454.8		126		0	
		0		15.6		116.3		39.2		3.3		0
MEAN	0	0	0.64	0.50	3.15	3.75	15.2	1.26	0.42	0.11	0	0
ACRE-FEET	0	0	39.	31.	175.	231.	902.	78.	25.	6.5	0	0

Remarks:

YEAR MEAN 2.05
OR
PERIOD ACRE-FEET 1490.

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U5-R

Daily discharge, in second-feet of SAWPIT CREEK below Monrovia Canyon, for the year ending September 30, 1959

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0.7	0.5	0.5	0.6	3.0	1.6	2.3	1.2	1.0	0.8	0.2
2	0.2	0.6	0.5	0.5	0.6	3.0	1.2	2.3	1.2	1.0	0.8	0.2
3	0.9	0.6	0.5	0.5	0.6	3.0	1.2	2.3	1.2	1.0	0.6	0.2
4	0	0.6	0.5	0.5	0.6	3.0	1.2	2.3	1.2	1.0	0.5	0.1
5	0	0.6	4.5	0.9	0.6	2.7	1.3	2.3	1.2	1.0	0.2	0
6	0	0.6	3.2	14	0.3	2.7	1.2	2.3	1.2	1.0	0.2	0
7	0	0.6	0	0.8	0.1	2.2	1.3	2.3	1.2	1.0	0.2	0.1
8	0	0.6	2.1	5.7	1.6	1.6	1.0	2.2	1.1	1.0	0.2	0.1
9	0	0.6	1.2	5.5	3.9	1.3	1.0	2.0	1.1	1.0	0.2	0.1
10	0	0.6	2.3	2.9	5.2	1.1	1.7	1.9	1.1	0.8	0.2	0
11	0	0.6	0.7	2.5	34	1.1	2.4	1.8	1.1	0.8	0.2	0
12	0	0.6	0	2.7	17	1.1	2.2	1.6	1.1	0.9	0.2	0
13	0	0.5	0	2.7	8.8	0.8	1.8	1.5	1.1	0.9	0.2	0
14	0	0.5	0	2.3	8.8	0.3	2.2	1.3	1.1	0.9	0.2	0
15	0	0.5	0	2.0	4.6	0.2	1.4	1.3	1.2	1.0	0.2	0
16	0	0.5	0	1.3	1.8	0.9	1.3	1.2	1.2	1.1	0.2	0
17	0	0.4	0	1.2	1.6	1.0	1.3	1.2	1.2	1.1	0.2	0
18	0	0.4	0	1.1	1.2	0	1.3	1.2	1.2	1.1	0.1	0
19	0	0.3	0	1.0	3.9	0	1.3	1.2	1.2	1.0	0.1	0
20	0	0.3	0	0.6	4.4	0.5	1.3	1.1	1.2	1.0	0.1	0
21	0	0.3	0	0.8	4.2	1.6	1.3	1.1	1.2	1.0	0.1	0
22	0	0.3	0	0.6	4.6	1.6	1.3	1.1	1.1	1.0	0.1	0
23	1.4	0.3	0	0.6	4.0	1.6	1.5	1.1	1.1	1.0	0.1	0
24	8.3	0.3	0	0.7	3.6	0.6	1.5	1.1	1.1	1.0	0.1	0
25	5.5	0.3	0	0.6	3.3	0.6	2.8	1.1	1.1	1.0	0.1	0
26	2.5	0.4	0	0.6	3.2	0.6	3.0	1.1	1.1	1.0	0.1	0
27	2.2	0.5	0	0.6	3.2	0	1.6	1.1	1.1	1.0	0.1	0
28	1.5	0.5	0	0.6	3.0	0	1.5	1.2	1.1	1.0	0.1	0
29	1.0	0.5	0	0.6		0	1.5	1.2	1.0	1.0	0.2	0
30	0.7	0.5	0	0.6		1.2	1.7	1.2	1.0	1.0	0.2	0
31	0.7		0.3	0.6		2.1		1.2		0.8	0.2	
	24.9		16.3		170.7		46.7		34.2		7.2	
		14.6		56.3		39.4		48.1		30.4		1.0
MEAN	0.80	0.49	0.53	1.82	6.10	1.27	1.56	1.55	1.14	0.98	0.23	0.03
ACRE-FEET	49.	29.	32.	112.	339.	78.	93.	95.	68.	60.	14.	2.0

Remarks:

YEAR MEAN 1.34
OR
PERIOD ACRE-FEET 971.

STATION F301-R
SAWTELLE-WESTWOOD CHANNEL above Culver Boulevard

LOCATION: WATER-STAGE RECORDER, LAT. 33°59'56", LONG. 118°24'55", ON THE RIGHT (SOUTH) CHANNEL WALL, 141 FEET ABOVE CULVER BOULEVARD BRIDGE. ELEVATION OF ZERO GAGE HEIGHT 21.57 FEET ABOVE MEAN SEA LEVEL, U.S.G.S. DATUM.

DRAINAGE AREA: 22.96 SQUARE MILES.

CHANNEL AND CONTROL: RECTANGULAR CONCRETE CHANNEL 40 FEET WIDE AND 13 FEET DEEP. CHANNEL FORMS CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING; HIGH FLOWS MEASURED FROM FOOTBRIDGE AT STATION.

RECORDER: A STEVENS TYPE A-35E RECORDER IN SERVICE FROM OCTOBER 1, 1957 TO SEPTEMBER 30, 1959.

REGULATION AND/OR DIVERSIONS: STONE CANYON RESERVOIR, SOUTHERN CALIFORNIA WATER COMPANY SPILLS FLOW UP TO 5.0 SECOND-FEET INTO SAWTELLE-WESTWOOD CHANNEL ABOVE CHARNOCK ROAD FOR SHORT PERIODS NEARLY EVERY DAY.

RECORDS AVAILABLE: JANUARY 22, 1951 TO SEPTEMBER 30, 1959, SEPULVEDA CREEK AT CHARNOCK ROAD RECORDER RECORDS AVAILABLE SEPTEMBER 15, 1932 TO MARCH 3, 1937; AUGUST 11, 1937 TO MARCH 2, 1938, AND JULY 7, 1938 TO MAY 29, 1950. FROM MAY 29, 1950 TO JANUARY 22, 1951, NO RECORD DUE TO CHANNEL CONSTRUCTION.

EXTREMES OF DISCHARGE:
1957-58
MAXIMUM 2970 SECOND-FEET FEBRUARY 25.
MINIMUM 0.4 SECOND-FOOT VARIOUS TIMES DURING YEAR.
1958-59
MAXIMUM 2380 SECOND-FEET FEBRUARY 8.
MINIMUM 0.6 SECOND-FOOT VARIOUS TIMES DURING YEAR.
1951-59
MAXIMUM 4240 SECOND-FEET JANUARY 16, 1952.
MINIMUM 0.4 SECOND-FEET VARIOUS TIMES.

ACCURACY: GOOD FOR HIGH FLOWS; POOR FOR EXTREME LOW FLOWS.

OPERATION: LOCATED AND CONSTRUCTED BY THE CORPS OF ENGINEERS, DEPARTMENT OF THE ARMY, OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF SAWTELLE-WESTWOOD CHANNEL

AT OR NEAR Culver Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 19 58

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
305	10/3	0930 / 0935	SJOSTEDT	8.4	1.02	0.66	0.09	0.67		.5	7	0	FC50
306	10/10	0905 / 0920	"	7.5	1.79	1.79	0.07	3.2		.5	9	0	"
307	10/17	0950 / 1000	"	4.6	0.47	0.98	0.07	0.46		.5	7	0	"
308	10/24	0920 / 0925	"	4.5	1.62	0.41	0.07	0.66		.6	6	0	"
309	11/7	1030 / 1040	"	3.0	0.40	1.00	0.07	0.40		.5	6	0	"
310	11/14	1445 / 1455	SJOSTEDT-CARABA	14.5	1.42	0.92	0.06	1.3		.5	7	0	"
311	11/21	0945 / 0955	SJOSTEDT	11.6	0.80	0.53	0.06	0.42		.5	8	0	"
312	11/27	1615 / 1620	"	13.0	1.13	0.61	0.06	0.69		.5	6	0	"
313	12/5	0950 / 0955	"	40.0	26.8	5.64	0.59	151.		.6	7	-.01	FC47
314	12/19	0950 / 0955	"	3.0	0.75	0.81	0.07	0.61		.5 / .6	7	0	FC50
315	12/26	1035 / 1045	"	3.0	0.69	1.23	0.02	0.85		.5	7	0	"
316	1/2	1025 / 1035	"	2.5	0.51	1.23	0.06	0.63		.5	6	0	"
317	1/9	0940 / 0945	"	3.0	0.69	1.35	0.06	0.93		.5 / .6	6	0	"
318	1/16	0935 / 0935	"	3.0	0.37	1.49	0.10	0.55		.5	7	0	"
319	1/23	1000 / 1005	"	3.5	0.56	0.88	0.08	0.49		.5	6	0	"
320	2/4	0510 / 0528	SJOSTEDT-CARABA	40.0	82.2	13.4	2.00	1100.	SURF.	11	-.25	FC47	
321	2/6	1020 / 1030	SJOSTEDT	4.5	1.00	1.46	0.04	1.46		.5	7	0	FC50
322	2/13	0905 / 0910	"	3.5	0.57	1.07	0.04	0.61		.5	6	0	"
323	2/27	0855 / 0905	"	5.0	0.85	1.46	0.02	1.24		.5	6	0	"
324	3/13	0955 / 1005	"	5.8	1.08	0.80	0.02	0.86		.5	8	0	"
325	3/20	0950 / 1000	"	3.7	0.92	1.20	0.02	1.1		.5	9	0	"
326	3/26	0950 / 1000	"	6.5	1.48	1.01	0.02	1.5		.5	8	0	"
327	3/27	0937 / 0952	SJOSTEDT-CARABA	40.0	52.6	1.36	1.36	718.		.6	11	-.08	FC47
328	4/10	1000 / 1010	SJOSTEDT	13.5	2.41	1.58	0.04	3.8		.5	9	0	FC50
329	4/17	0955 / 1005	"	13.5	1.90	1.16	0.03	2.2		.5 / .6	9	0	"
330	4/24	0940 / 0950	"	13.5	2.35	.94	0.04	2.2		.5	9	0	"
331	5/1	0955 / 1005	"	13.0	1.44	0.86	0.04	1.2		.5	8	0	"
332	5/8	1000 / 1010	"	13.5	1.36	0.66	0.06	0.86		.5	9	0	"
333	5/22	1000 / 1010	"	3.2	1.67	0.60	0.03	1.0		.5 / .6	8	0	"
334	6/5	1030 / 1035	"	4.0	0.98	0.96	0.03	0.96		.5 / .6	6	0	"
335	6/12	0945 / 0955	"	5.5	2.00	0.75	0.05	1.5		.5 / .6	7	0	"
336	6/19	0940 / 0950	"	5.5	2.21	0.68	0.05	1.5		.6	7	0	"
337	6/26	0850 / 0855	ROY-SJOSTEDT	5.5	2.36	0.80	0.06	1.9		.6	8	0	"
338	7/3	1010 / 1015	SJOSTEDT	5.1	2.09	0.76	0.06	1.6		.6	7	0	"
339	7/10	0940 / 0950	"	5.0	2.09	0.81	0.06	1.7		.5	7	0	"
340	7/17	0925 / 0935	ROY	6.0	2.28	0.83	0.10	1.9		.6	9	0	"
341	7/24	0842 / 0852	BROOK-ROY	5.5	2.59	0.73	0.09	1.9		.6	8	0	"
342	7/31	0900 / 0910	ROY	9.5	1.56	0.96	0.13	1.5		.5	8	0	"
343	8/7	0924 / 0932	BROOK	6.8	1.99	1.00	0.15	2.0		.5	9	0	"
344	8/14	0908 / 0916	"	5.0	1.66	1.08	0.16	1.8		.5 / .6	8	0	"
345	8/21	0917 / 0931	"	CHANNELS			0.15	0.95		.5	13	0	"
346	8/28	0911 / 0923	"	9.8	1.60	2.00	0.14	3.2		.5	10	0	"
347	9/4	1015 / 1025	SJOSTEDT	10.0	0.77	0.87	0.05	0.67		.5	7	0	"
348	9/11	0950 / 1000	"	10.0	0.99	0.75	0.05	0.74		.5	8	0	"
349	9/19	0950 / 1000	"	9.5	1.10	0.71	0.04	0.78		.5	7	0	"
350	9/25	0855 / 1010	WALTER-SJOSTEDT	9.6	0.86	0.70	0.05	0.6		.5	12	0	"

DISCHARGE MEASUREMENTS OF SAWTELLE - WESTWOOD CHANNEL

ABOVE Culver Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 1959

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METH. OD	MEAS. SEC. NO.	S. HT. CHANGE TOTAL	METER NO.
351	10/2	1030 / 1040	SJOSTEDT	10.0	1.05	0.76		0.80		.5	8	0	FC50
352	10/9	0950 / 1000	"	8.5	0.88	0.74		0.65		.5	8	0	"
353	10/23	0955 / 1010	"	8.0	0.89	0.80		0.71		.5	10	0	"
354	11/6	0925 / 0935	"	5.5	0.81	1.12		0.91		.5	8	0	"
355	11/13	1035 / 1045	"	8.0	0.91	0.87		0.79		.5	8	0	"
356	11/20	0940 / 0950	"	7.5	0.95	0.77		0.73		.5	10	0	"
357	12/4	0850 / 0900	BOWMAN	6.5	0.81	0.87		0.70		.5	8	0	FC60
358	12/11	0925 / 0935	SJOSTEDT	7.0	1.40	1.86		2.6		.5	7	0	FC50
359	12/18	1005 / 1015	"	6.0	1.44	1.90		2.7		.5	6	0	"
360	12/26	0930 / 0940	"	6.5	1.52	1.51		2.3		.5	7	0	"
361	1/2	0950 / 1000	"	6.5	1.27	1.69		2.2		.5	8	0	"
362	1/15	0950 / 1005	"	10.5	1.02	0.74		0.75		.5	9	0	"
363	1/22	1000 / 1010	"	9.8	1.39	1.15		1.6		.5	7	0	"
364	1/29	0950 / 1000	"	9.0	1.25	0.96		1.2		.5	8	0	"
365	2/5	1005 / 1015	"	9.5	1.11	0.81		0.91		.5	7	0	"
366	2/11	1050 / 1100	SJOSTEDT-CARABA	38.0	46.2	12.7	1.24	605.		.6	9	-.22	FC47
367	2/13	1030 / 1040	SJOSTEDT	5.0	0.72	1.11		0.80		.5	7	0	FC50
368	2/26	0900 / 0910	"	19.0	2.51	1.04		2.6		.5	9	0	"
369	3/5	0910 / 0920	"	14.8	1.64	0.64		1.0		.5	10	0	"
370	3/12	1000 / 1015	"	14.2	1.14	0.61		0.70		.5	9	0	"
371	3/19	1540 / 1555	"	18.3	3.24	1.22	0.06	4.0		.5	12	0	"
372	3/26	0915 / 0930	"	8.5	1.55	0.61		0.94		.5	10	0	"
373	4/2	0915 / 0930	"	8.5	1.74	0.75		1.3		.5	10	0	"
374	4/9	0905 / 0915	SJOSTEDT	6.5	1.30	0.85		1.1		.5	9	0	FC50
375	4/16	0920 / 0930	"	7.0	1.32	0.83		1.1		.5	8	0	"
376	4/23	1420 / 1430	"	14.5	2.37	0.76		1.8		.5	8	0	"
377	4/30	0920 / 0930	"	9.8	1.60	0.69		1.1		.5	8	0	"
378	5/7	0910 / 0925	"	10.0	1.81	0.51		0.91		.5	8	0	"
379	5/14	0930 / 0940	"	10.5	1.77	0.44		0.79		.5	8	0	"
380	5/21	1310 / 1325	"	10.0	2.29	0.86		2.0		.5	8	0	"
381	5/28	1425 / 1435	"	10.0	2.48	0.89		2.2		.5	8	0	"
382	6/4	1445 / 1500	"	9.7	1.79	1.34		2.4		.5	8	0	"
383	6/11	1545 / 1555	"	10.0	2.36	0.85		2.0		.5	8	0	"
384	6/18	1410 / 1420	"	14.0	5.15	1.24		6.4		.6	9	0	"
385	6/25	0902 / 0911	BOWMAN	12.0	1.40	0.66		0.92		.5	7	0	FC6
386	7/2	1510 / 1520	SJOSTEDT	14.0	3.60	0.78		2.8		.5	9	0	FC50
387	7/9	1020 / 1030	"	13.1	2.55	0.38		0.97		.5	9	0	"
388	7/16	1705 / 1715	"	13.4	3.56	0.79		2.8		.5	9	0	"
389	7/23	1525 / 1535	"	15.5	3.90	0.97		3.8		.5	9	0	"
390	7/30	1450 / 1500	"	13.5	3.23	0.74		2.4		.5	9	0	"
391	8/6	1520 / 1535	"	13.3	3.23	0.80		2.6		.5	9	0	"
392	8/13	1425 / 1435	"	13.7	3.34	0.84		2.8		.5	9	0	"
393	8/20	1015 / 1028	BOWMAN	39.0	3.06	0.56		1.7		.5	11	0	"
394	8/27	0930 / 0940	SJOSTEDT	5.3	0.82	1.11		0.91		.5	8	0	"
395	9/2	1450 / 1500	"	15.2	2.25	1.11		2.5		.5	9	0	"
396	9/10	1535 / 1545	"	15.0	2.58	1.32		3.4		.5	10	0	"
397	9/17	1425 / 1435	"	15.5	1.88	0.96		1.8		.5	10	0	"
398	9/24	1540 / 1555	"	16.0	1.78	0.90		1.6		.5	10	0	"

76D74M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F301-R

Daily discharge, in second-feet of SAWTELLE-WESTWOOD CHANNEL above Culver Boulevard for the year ending September 30, 1959

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	b 0.7	b 0.4	b 0.7	b 0.7	b 0.5	b 1.0	56	b 1.2	b 1.0	b 1.7	b 1.5	b 1.9
2	0.7	32	b 3.0	0.6	54	1.0	47	1.2	1.0	1.6	1.6	1.5
3	0.7	b 0.4	b 0.9	0.6	261	1.0	111	1.1	1.0	1.6	1.7	1.1
4	0.7	b 0.4	19.4	0.7	246	1.0	36	1.1	1.0	1.6	1.8	0.7
5	0.7	11.7	157	0.7	b 2.0	b 1.0	3.8	1.0	1.1	1.6	2.5	1.0
6	0.7	b 0.4	b 0.7	0.8	b 1.5	32	104	1.0	1.1	1.7	2.0	1.2
7	0.7	0.4	0.6	0.8	b 1.4	b 0.9	138	0.9	1.2	1.9	2.0	0.7
8	1.0	0.5	0.6	0.9	8.6	b 0.9	7.0	0.9	1.3	2.0	2.0	0.7
9	2.0	0.6	0.5	b 0.9	b 1.3	b 0.9	b 5.0	1.2	1.3	2.0	2.0	0.7
10	b 3.2	0.7	0.5	2.9	1.0	32	3.8	0.9	1.4	1.8	1.9	0.7
11	4.4	0.8	0.5	b 0.9	0.8	9.0	3.5	0.9	1.5	1.8	1.9	0.7
12	b 3.0	0.9	0.5	0.8	0.6	b 0.9	3.2	0.9	1.5	1.7	1.8	0.7
13	4.0	1.0	0.5	0.7	0.6	7.8	3.0	1.1	1.7	1.8	2.0	0.7
14	3.1	1.3	b 0.5	0.6	0.6	19.8	2.8	0.9	1.6	1.8	1.8	0.7
15	b 0.5	1.3	190	0.6	0.6	289	2.6	0.9	1.5	1.9	1.7	0.9
16	0.5	1.3	111	0.5	0.6	191	2.4	1.0	1.6	1.8	1.6	0.8
17	0.5	0.8	26	0.5	0.5	8.1	2.2	1.0	1.5	1.9	1.5	0.8
18	0.5	1.0	b 0.6	0.5	b 0.5	b 1.0	2.2	1.0	1.5	1.9	1.3	0.8
19	0.5	0.6	0.6	0.5	448	b 1.1	2.2	1.2	1.5	2.0	1.2	0.8
20	b 0.5	0.8	0.6	0.4	b 2.0	93	2.2	1.0	1.6	1.9	1.1	0.8
21	8.1	0.4	0.7	0.4	1.5	80	2.2	1.1	1.6	2.3	1.0	0.8
22	b 0.6	0.8	0.7	0.4	1.0	31	2.2	1.0	1.7	1.9	1.3	0.7
23	0.6	0.7	0.7	b 0.4	0.8	b 1.0	2.2	1.0	1.7	2.2	1.6	0.7
24	b 0.7	0.7	0.8	15.4	b 0.6	1.2	2.2	1.0	1.7	2.2	1.9	0.6
25	a 0.7	0.8	0.8	185	372	1.4	2.1	1.0	2.0	1.9	2.2	0.6
26	0.6	0.7	0.9	126	b 1.5	b 1.5	2.0	1.1	1.9	1.9	2.5	0.6
27	0.6	0.7	0.9	b 0.5	b 1.2	88	1.8	1.1	1.9	1.9	2.8	0.6
28	0.5	0.9	0.9	0.5	b 1.0	b 1.5	1.7	1.0	1.8	2.0	3.2	0.6
29	0.5	2.0	0.8	1.0		b 1.5	1.5	1.0	1.9	1.9	3.0	0.7
30	a 0.4	b 0.8	0.8	3.9		b 1.5	b 1.4	1.0	b 1.8	1.5	2.7	b 0.7
31	b 0.4		b 0.7	b 0.5		50		b 1.0		b 1.5	b 2.3	
	145.8	65.8	523.4	349.6	1411.7	951.0	557.2	31.7	44.9	68.2	59.4	24.5
MEAN	4.70	2.19	16.9	11.3	50.4	30.7	18.6	1.02	1.50	2.20	1.92	0.82
ACRE-FEET	289.	131.	1040.	693.	2800.	1890.	1110.	63.	89.	135.	118.	49.

Remarks:

YEAR OR PERIOD MEAN 11.6
ACRE-FEET 8410

7sD74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

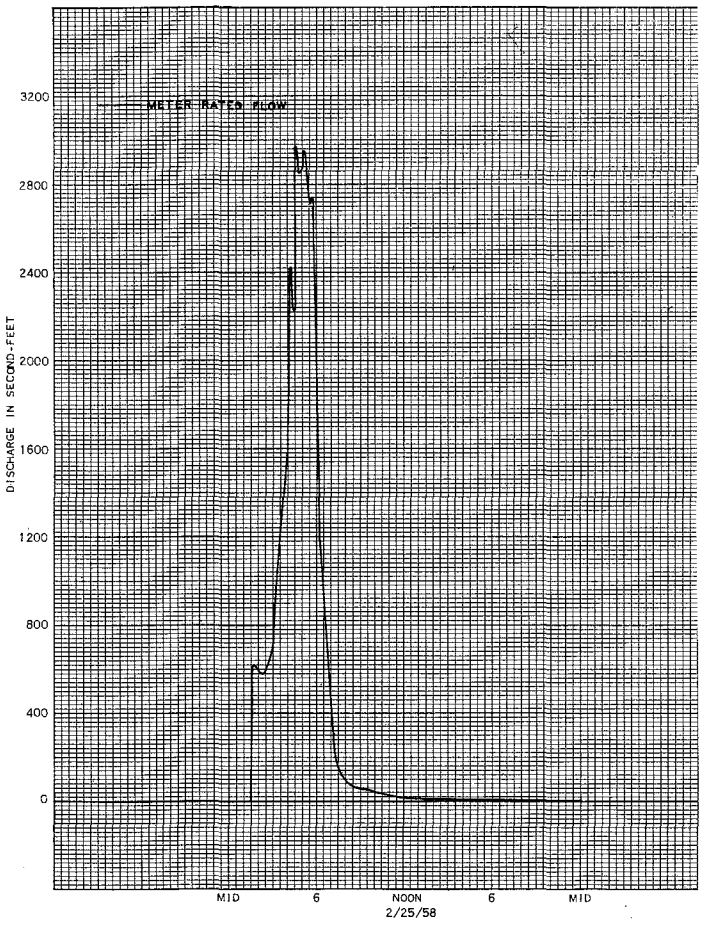
Sta. No. F301-R

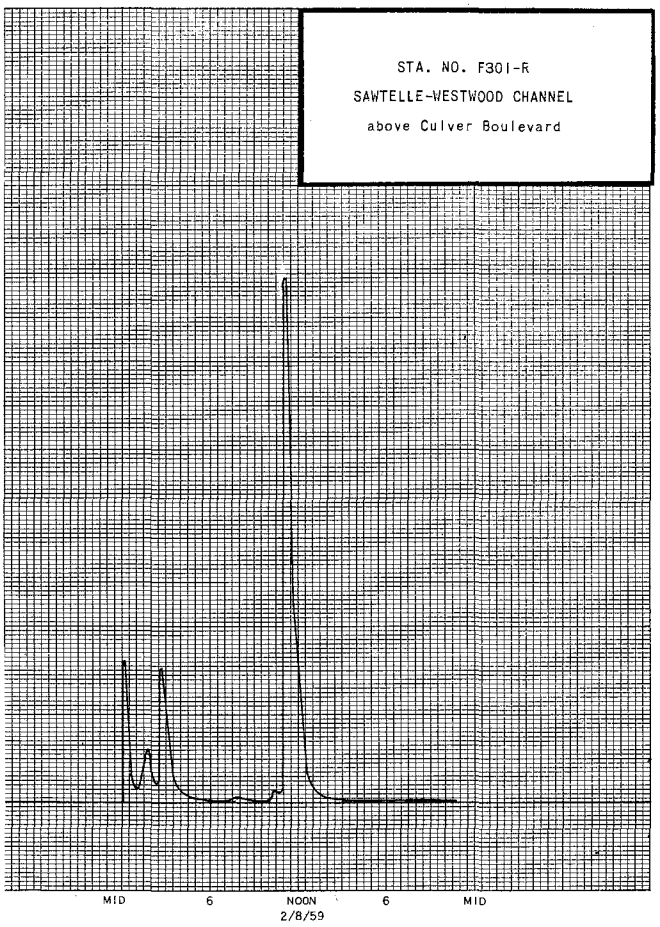
Daily discharge, in second-feet of SAWTELLE - WESTWOOD CHANNEL above Culver Boulevard, for the year ending September 30, 19 59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	b 0.8	b 0.8	b 0.9	b 2.5	b 1.2	b 2.7	b 1.0	b 1.1	b 1.6	b 2.5	b 2.6	b 1.5
2	0.8	0.8	0.7	2.2	b 1.0	2.5	1.3	1.0	1.8	2.8	2.5	2.5
3	1.0	0.9	0.9	2.2	4.1	2.0	1.0	1.0	1.8	2.5	2.8	2.5
4	0.8	0.9	0.7	b 2.2	b 0.9	1.5	1.0	0.9	2.4	2.2	2.8	2.5
5	0.7	0.9	0.9	4.9	0.9	1.0	1.3	0.9	2.0	1.9	2.5	2.0
6	0.7	0.9	1.1	22.4	0.9	1.0	1.2	1.0	2.0	1.6	2.6	2.0
7	0.9	0.9	1.4	b 1.5	b 0.9	1.0	1.0	1.1	2.5	1.3	2.6	2.0
8	0.6	0.9	1.7	1.3	13.1	2.5	1.5	1.1	2.1	1.0	3.0	2.0
9	0.6	0.9	2.0	1.0	b 1.0	1.0	1.1	0.9	2.2	2.0	3.0	2.0
10	0.6	b 0.9	2.3	1.0	2.1	1.5	1.1	0.9	2.2	3.0	2.6	3.0
11	0.6	3.2	2.6	0.9	17.5	3.5	1.1	0.9	2.0	2.5	2.8	2.0
12	0.6	b 0.8	2.6	0.9	1.9	2.0	1.1	0.8	2.2	2.5	2.8	2.0
13	0.6	0.8	2.6	0.8	b 0.8	1.0	1.5	0.9	2.3	2.5	2.8	2.0
14	0.6	0.8	2.6	0.8	b 0.8	1.0	1.1	0.8	b 2.0	2.6	2.8	2.4
15	0.6	0.8	2.7	0.8	1.4	1.5	1.1	0.8	3.8	2.7	2.6	2.0
16	0.7	0.8	2.7	1.1	34.5	2.0	1.3	0.8	b 2.0	2.8	3.5	1.8
17	1.0	0.7	2.7	1.0	1.3	2.5	1.5	0.8	3.8	3.0	2.8	1.8
18	0.7	0.7	2.7	1.2	6.9	4.0	1.2	1.0	8.0	2.5	2.8	1.6
19	0.7	0.7	2.7	1.3	b 2.0	4.0	1.6	0.8	9.0	2.5	2.6	1.8
20	1.0	0.8	2.6	1.4	b 2.0	3.0	1.8	1.4	8.0	2.5	2.6	2.0
21	0.7	0.7	2.6	1.5	10.0	1.0	2.0	2.0	9.0	2.5	3.0	1.8
22	1.0	0.7	2.5	1.6	b 2.6	2.0	1.8	1.5	7.0	2.5	3.0	1.6
23	0.7	0.7	2.5	1.6	2.6	1.0	1.8	1.5	b 1.0	3.8	2.8	1.6
24	1.0	0.9	2.4	1.5	2.6	1.0	b 1.8	1.5	1.0	3.0	2.0	1.6
25	1.0	0.7	2.7	1.4	2.6	2.0	4.5	1.5	0.9	2.5	1.5	1.6
26	0.7	0.9	2.3	1.6	2.6	1.0	1.2	1.5	1.0	3.0	1.0	1.6
27	1.0	0.7	2.5	1.3	2.5	1.0	b 1.1	1.5	1.5	2.5	0.9	2.5
28	0.7	0.7	2.3	1.2	b 2.5	1.0	1.4	2.2	1.7	3.0	1.0	1.5
29	0.8	0.7	2.3	1.2		1.0	1.1	1.6	1.9	2.5	0.9	1.3
30	0.8	b 0.7	2.2	1.0		1.5	b 1.1	1.5	b 2.2	2.4	1.5	b 1.1
31	b 0.8		b 2.2	b 1.0		b 1.0		b 1.5		b 3.5	b 1.0	
	23.8		65.6		823.4		93.9		90.9		73.9	
		26.3		312.0		54.7		36.7		77.1		57.8
MEAN	0.76	0.88	2.12	10.1	29.4	1.76	31.3	1.18	3.03	2.49	2.38	1.93
ACRE-FEET	47.	52.	130.	619.	1630.	108.	186.	73.	180.	153.	147.	115.

Remarks:

YEAR OR PERIOD MEAN 4.76
ACRE-FEET 3440.





STATION F67B-R
SIERRA MADRE WASH below Sierra Madre Dam

LOCATION: WATER-STAGE RECORDER, LAT. 34°10'33", LONG. 118°02'33", ON THE LEFT (EAST) BANK ABOUT 270 FEET BELOW SIERRA MADRE DAM AND ABOUT 1-1/4 MILES NORTHEAST OF SIERRA MADRE. ELEVATION OF ZERO GAGE HEIGHT 1082.69 FEET.

DRAINAGE AREA: 2.4 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - RUBBLE MASONRY, DEPTH 7.5 FEET, WIDTH 24.6 FEET AT TOP AND 22.5 FEET AT BOTTOM. ARTIFICIAL CONCRETE CONTROL WITH LOW FLOW CHANNEL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING NEAR STATION; HIGH FLOWS MEASURED FROM FOOTBRIDGE AT STATION.

RECORDER: AN H.C.F. RECORDER WAS IN SERVICE FROM OCTOBER 1, 1957 TO SEPTEMBER 30, 1959.

REGULATION: THE 30-INCH DIAMETER GATE VALVE IN THE SIERRA MADRE DAM REMAINS OPEN EXCEPT IN EMERGENCY CONDITIONS. 51-INCH SLUICEWAY IS NOT GATED AND IS OPEN AT ALL TIMES.

DIVERSIONS: UNDERGROUND AND SURFACE FLOW DEVELOPED AND DIVERTED BY SIERRA MADRE WATER DEPARTMENT.

RECORDS AVAILABLE:
AT STATION F67-R - JANUARY 28, 1929 TO MAY 20, 1936.
AT STATION F67B-R - MAY 21, 1936 TO SEPTEMBER 30, 1959.

EXTREMES OF DISCHARGE:
1957-58
MAXIMUM 54 SECOND-FEET FEBRUARY 19.
MINIMUM NO FLOW AT VARIOUS TIMES.
1958-59
MAXIMUM 78 SECOND-FEET JANUARY 6.
MINIMUM NO FLOW AT VARIOUS TIMES.
1929-59
MAXIMUM 620 SECOND-FEET ESTIMATED MARCH 2, 1938.
MINIMUM NO FLOW SEVERAL MONTHS DURING MOST YEARS.

ACCURACY: FAIR.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF SIERRA MADRE WASH

AT ~~NEAR~~ below Sierra Madre Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 58

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	B. HT. CHANGE TOTAL	METER NO.
334	12/5	0411 / 0421	HOLLERON-FLYNN	4.0	0.86	2.56	0.85	2.2		.5	9	-.03	FC56
335	12/15	0908 / 0917	HOLLERON	3.8	0.78	2.82	0.82	2.2		.5	9	+.01	FC48
336	12/16	1439 / 1447	"	CHANNELS			0.86	2.5		.5	15	0	"
337	12/17	0530 / 0533	HOLLERON-BOYLES	1.6	0.60	9.67	1.06	5.8	FLOATS		4	0	
338	12/17	1520 / 1524	" "	1.3	0.37	10.0	0.92	3.7	"		4	0	
339	12/19	0840 / 0852	HOLLERON	CHANNELS			0.74	1.1		.5	14	0	FC48
340	12/19	0954 / 0957	"		"		0.74	1.1	FLOATS		4	0	
341	12/26	1036 / 1038	"	1.1	0.13	7.70	0.72	1.0		"	4	0	
342	1/9	0956 / 1004	"	CHANNELS			0.62	0.17		.5 VOL.	5	0	FC48
343	1/26	0510 / 0512	"	1.6	0.72	9.03	1.15	6.5	FLOATS		4	0	
344	1/26	0948 / 0950	HOLLERON-FLYNN	1.4	0.50	9.00	1.02	4.5		"	4	0	
345	1/27	1344 / 1354	HOLLERON	CHANNELS			0.77	1.1		.5	12	0	FC48
346	2/17	1048 / 1056	HOLLERON-MOSES	4.0	1.05	1.52	0.74	1.6		.6	9	0	"
347	2/20	1628 / 1630	HOLLERON-WALTON	1.5	0.62	9.35	1.10	5.8	FLOATS		4	0	
348	2/25	1128 / 1140	" "	CHANNELS			1.04	4.0		.5 .6	15	0	FC56
349	2/27	0908 / 0922	HOLLERON		"		0.91	3.2		.5	15	0	FC48
350	3/6	1052 / 1104	"		"		1.05	4.3		.5 .6	13	0	FC56
351	3/13	1248 / 1300	"		"		0.83	1.9		.6 VOL.	12	0	FC48
352	3/16	0042 / 0058	"		"		1.49	15.6		.6	12	+.10	FC56
353	3/20	1406 / 1414	"	3.5	1.00	4.20	1.04	4.2		.5	8	+.02 -.02	"
354	3/27	1332 / 1346	HOLLERON-WALTON	CHANNELS			1.15	7.2		.6	18	0	"
355	4/2	1440 / 1450	" "		"		1.29	13.0		.6 VOL.	10	0	"
356	4/6	1445 / 1500	HOLLERON-ROY		"		1.50	18.0		.5 .6	18	0	"
357	4/10	1055 / 1114	HOLLERON		"		1.39	12.8		.6	16	0	"
358	5/8	1035 / 1045	"	4.2	1.19	2.27	0.86	2.7		.5	10	0	FC48
359	5/15	1042 / 1050	HOLLERÓN-MC BRIDE	CHANNELS			0.86	2.2		.5	9	0	FC48
360	5/22	1338 / 1348	HOLLERON	COMPOSITE			0.81	1.5		.5	9	0	"
361	5/28	1054 / 1104	"	4.0	0.83	1.57	0.80	1.3		.5	9	0	"
362	6/5	1042 / 1052	"	CHANNELS			0.77	1.1		.5	9	0	"
363	6/11	1505 / 1515	"		"		0.74	0.75		.5	9	0	"
364	6/27	0840 / 0844	"	1.0	0.04	5.25	0.64	0.21	FLOATS		5	0	

DISCHARGE MEASUREMENTS OF SIERRA MADRE WASH

AT ~~NEAR~~ below Sierra Madre Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 59

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	B. HT. CHANGE TOTAL	METER NO.
365	1/6	0107 / 0111	HOLLERON-WALTON	1.4	0.43	10.5	0.97	4.5	FLOATS		4	0	
366	1/8	1426 / 1428	" "	1.2	0.22	6.36	0.80	1.4		"	4	0	
367	1/14	1116 / 1120	HOLLERON	1.6	0.26	1.54	0.66	0.40		.5	5	0	FC48
368	1/22	0930 / 0932	"	1.0	0.04	6.00	0.64	0.24	FLOATS		5	0	
369	1/29	0945 / 0950	BOWMAN	1.0	0.04	5.75	0.64	0.21		"	3	0	
370	2/4	1412 / 1418	HOLLERON	1.8	0.28	1.18	0.64	0.33		.5	7	0	FC48
371	2/8	1425 / 1427	HOLLERON-WALTON	1.2	0.22	9.54	0.83	2.1	FLOATS		4	0	
372	2/18	0848 / 0900	HOLLERON	CHANNELS			0.81	2.0		.5	12	0	FC48
373	2/26	1112 / 1118	"	2.4	0.36	1.81	0.72	0.65		.5	7	0	"
374	3/4	1404 / 1406	"	2.0	0.22	1.91	0.64	0.42		.5	6	0	"
375	3/12	0822 / 0830	"	2.2	0.32	1.13	0.63	0.36		.5	7	0	"
376	3/19	0840 / 0844	"	2.2	0.30	0.93	0.63	0.28		.5	7	0	"
377	3/25	1000 / 1006	"	1.4	0.20	1.15	0.63	0.23		.5	6	0	"
378	4/25	2252 / 2256	HOLLERON-WALTON	1.3	0.32	8.75	0.88	2.8	FLOATS		5	-.01	
379	4/30	1050 / 1100	BOWMAN	1.0	0.03	3.67	0.61	0.11		"	5	0	

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LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F67B-R

Daily discharge, in second-feet of SIERRA MADRE WASH below Sierra Madre Dam, for the year ending September 30, 1958

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.1	0.1	0.1	0.4	0.5	3.1	17.5	5.9	1.1	0.1	+	+
2	0.2	0.8	0.1	0.4	0.7	2.5	14.5	5.4	1.1	+		
3	0.2	0.4	0.1	0.4	13.8	2.3	31	4.8	1.1	0.5		
4	0.1	0.2	0.2	0.4	28	2.2	23	4.1	1.0	0.3		
5	0.1	0.2	1.5	0.4	7.2	1.9	18.6	3.4	1.1	+		
6	0.1	0.1	0	0.4	6.6	2.9	18.0	3.0	1.1	+	+	
7	+	0.4	0.2	0.3	6.6	3.4	19.0	2.8	1.0	0.6	0	
8	+	0.2	0.2	0.3	6.3	2.8	15.5	2.8	0.9	0.4	+	+
9	0.1	0.1	0.2	0.3	5.7	2.7	14.0	2.8	0.9	0.3	+	0
10	0.2	a 0.2	0.2	0.2	5.0	2.5	12.8	2.7	0.9	0.2	0	+
11	0.1	0.2	0.2	0.3	4.4	2.4	13.4	2.7	0.8	0.2	0	0
12	0.1	0.2	0.2	0.4	3.8	2.4	9.4	2.5	0.9	+	0	0
13	+	a 0.2	0.2	0.3	3.2	2.2	7.9	2.4	0.7		+	0
14	0.2	0.2	0.1	0.2	2.6	2.0	7.4	2.3	0.4			+
15	0.1	0.1	2.1	0.4	2.0	3.8	7.2	2.4	0.5			
16	+	0.1	4.5	0.3	1.9	11.4	6.8	2.2	0.4			
17	0.1	0.1	6.3	0.4	1.6	6.1	7.0	2.4	0.4			
18	0.2	0.2	2.0	0.4	1.7	5.9	6.8	1.8	0.2			+
19	0.1	0.2	1.2	0.3	12.1	5.5	6.6	1.7	0.3			0
20	0.1	0.2	1.1	0.3	6.1	5.2	6.6	1.5	0.4			0
21	0.6	0.1	1.0	0.4	5.4	5.8	6.6	1.5	0.3			0
22	+	0.1	0.5	0.3	4.8	8.9	6.3	1.5	0.3			0
23	0.1	0.1	0.6	0.4	4.3	7.4	6.1	1.6	0.2			0
24	0.1	0.1	0.4	0.2	3.3	7.0	5.7	1.5	0.3			+
25	0.2	0.2	0.5	1.0	3.9	6.6	5.5	1.3	0.1			
26	0.1	0.2	0.5	5.4	3.3	6.3	5.4	1.3	+			
27	0.1	0.1	0.4	1.2	3.1	6.9	5.0	1.2	+			
28	0.1	0.1	0.4	1.2	3.0	6.6	4.8	1.2	0.1			
29	0.1	0.1	0.4	0.8		6.1	4.6	1.2	+			
30	0.2	0.1	0.4	1.1		6.1	5.2	1.2	0.1			+
31	+		0.5	0.5		5.9		1.2		+	+	
	3.7		26.3		150.9		318.2		16.6		+	
		5.6		19.3		146.8		74.3		2.6		+
MEAN	0.12	0.19	0.85	0.62	5.39	4.74	10.6	2.39	0.55	0.08	+	+
ACRE-FEET	7.3	11.	52.	38.	299.	291.	631.	147.	33.	5.2	+	+

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 2.09
ACRE-FEET 1510.

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

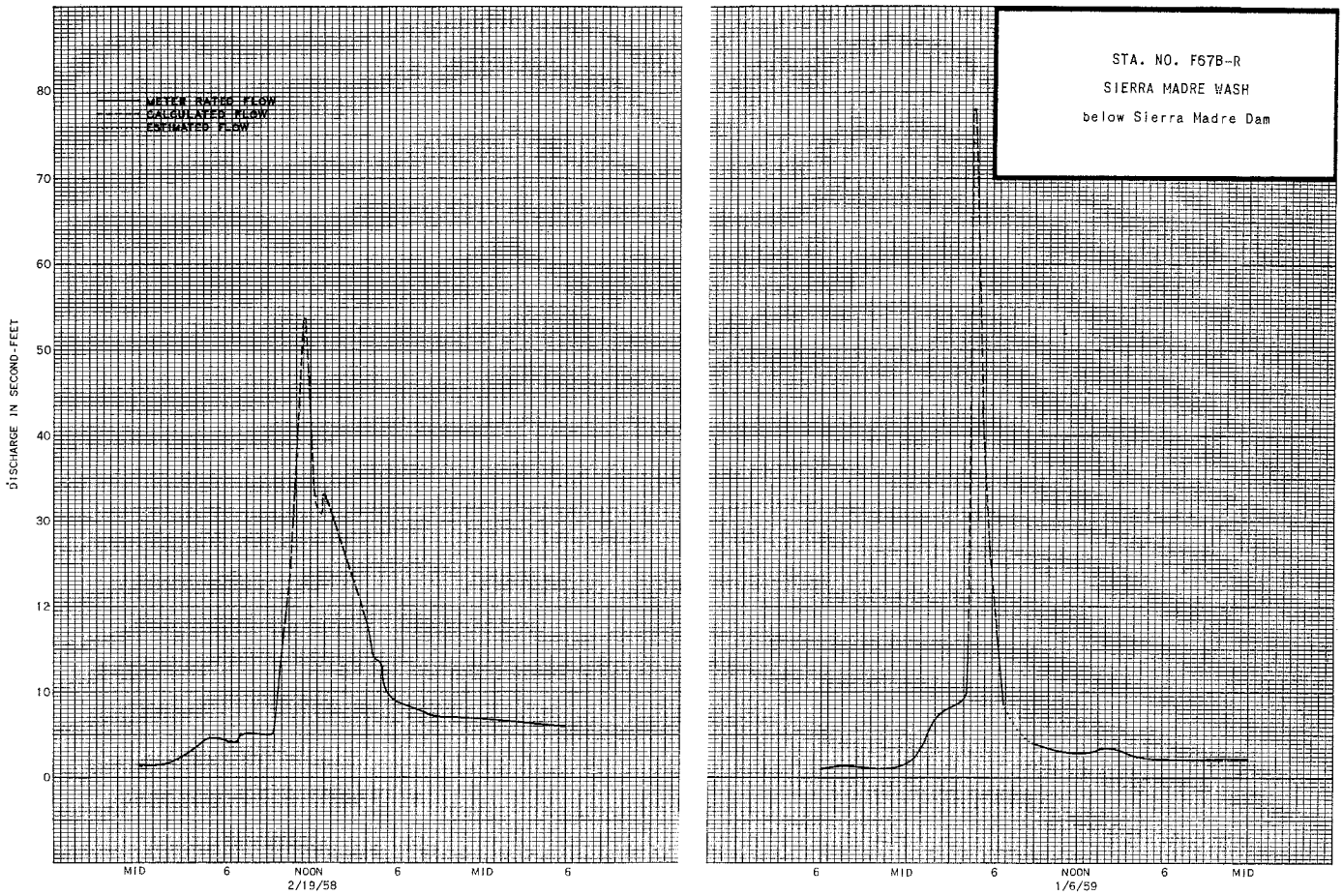
Sta. No. F67B-R

Daily discharge, in second-feet of SIERRA MADRE WASH below Sierra Madre Dam, for the year ending September 30, 1959

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	+	+	+	0.2	0.8	+	0.1				
2				+	0.3	0.7		0.1				
3				+	0.3	0.5		+				
4				0.5	0.5	0.4						
5				+	0.6	0.5						
6				7.4	0.4	0.4		+				
7				1.6	0.5	0.4						
8				1.5	2.5	0.4						
9				1.5	0.8	0.4						
10				1.5	0.8	0.4						
11				1.3	7.9	0.4						
12				0.8	2.5	0.4						
13				0.4	2.6	0.4						
14				0.4	2.4	0.4						
15				0.4	2.3	0.4						
16				0.4	8.6	0.3		STOPPED FOR SUMMER				
17				0.2	3.0	0.3						
18				0.2	2.0	0.3						
19				0.3	2.0	0.3						
20				0.3	1.8	0.3						
21				0.3	2.2	0.2						
22				0.2	1.8	0.2						
23				0.2	1.4	0.2						
24				0.2	1.2	0.2	+					
25				0.2	1.2	0.2	0.6					
26				0.3	1.1	0.2	0.8					
27				0.2	1.0	0.2	0.2					
28				0.2	0.9	0.2	0.2					
29				0.2		0.2	0.1					
30		+		0.2		0.1	0.1					
31	+		+	0.2		0.1						
	+		+		52.8		2.0		+		+	
		+		21.1		10.4		0.2		+		+
MEAN	+	+	+	0.68	1.89	0.34	0.07	0.01	+	+	+	+
ACRE-FEET	+	+	+	42.	105.	21.	4.0	0.4	+	+	+	+

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.24
ACRE-FEET 199.



STATION F267-R
SIERRA MADRE WASH at Woodland Avenue

LOCATION: WATER-STAGE RECORDER, LAT. 34°09'19", LONG. 118°01'41", ON THE LEFT (NORTHEAST) CHANNEL WALL ABOUT 30 FEET UPSTREAM FROM SANTA ANITA WASH, ABOUT 20 FEET EAST OF THE INTERSECTION OF WOODLAND AVENUE AND FIRST STREET, AND ABOUT ONE MILE NORTH OF ARCADIA. ELEVATION OF ZERO GAGE HEIGHT, 557.22 FEET.

DRAINAGE AREA: 3.8 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - RECTANGULAR CONCRETE, 6 FEET DEEP AND 10 FEET WIDE. CHANNEL FORMS CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM DOWNSTREAM ROAD CULVERT HEADWALL AT STATION.

RECORDER: A STEVENS TYPE L RECORDER WAS IN SERVICE FROM OCTOBER 1, 1957 TO APRIL 20, 1959. REMOVED FOR CHANNEL CONSTRUCTION.

REGULATION: PARTIALLY REGULATED BY SIERRA MADRE DAM. USUAL REGULATION AFFECTS HIGH FLOWS ONLY.

DIVERSIONS: UNDERGROUND AND SURFACE FLOW DEVELOPED AND DIVERTED BY SIERRA MADRE WATER DEPARTMENT. FLOW ALSO DIVERTED ABOUT ONE MILE ABOVE STATION FOR SPREADING IN SIERRA MADRE SPREADING GROUNDS.

RECORDS AVAILABLE: SEE REMARKS.

EXTREMES OF DISCHARGE:
1957-58
MAXIMUM 700 SECOND-FEET FEBRUARY 19.
MINIMUM NO FLOW MOST OF YEAR.
1958-59
MAXIMUM 706 SECOND-FEET JANUARY 6.
MINIMUM PLUS FLOW AT VARIOUS TIMES.
1938-59
MAXIMUM NOT DETERMINED MARCH 2, 1938.
MAXIMUM DISCHARGE OF RECORD, 706 SECOND-FEET JANUARY 6, 1959.
MINIMUM NO FLOW MOST OF EACH YEAR.

ACCURACY: FAIR.

REMARKS: SEVERAL PRIOR YEARS' RECORDS ARE NOT PUBLISHED DUE TO INSUFFICIENT RELIABLE RECORDS.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF SIERRA MADRE WASH

AT ~~NEAR~~ Woodland Avenue DURING THE YEAR ENDING SEPTEMBER 30, 1958

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
113	2/19	0748 / 0752	HOLLERON-WALTON	10.0	4.46	5.73	1.76	25.6	SURF .9		5	-.04	
114	2/20	0822 / 0824	" "	10.0	2.00	3.75	0.97	7.5	FLOAT		5	0	
115	2/25	0700 / 0704	HOLLERON	10.0	3.00	4.40	1.08	13.2	"		5	0	
116	3/6	1120 / 1124	"	10.0	2.13	4.98	1.27	10.6	"		5	0	
117	3/15	1410 / 1416	HOLLERON-WALTON	10.0	5.67	1.59	1.78	9.0	.6		5	+.03	FC56
118	3/15	2120 / 2130	" "	10.0	7.18	4.64	1.60	33.3	.6		5	+.19 -.03	"
119	3/16	0448 / 0454	" "	10.0	5.31	5.21	1.45	27.7	.6		5	0	"
120	3/18	1054 / 1106	HOLLERON	10.0	2.55	2.74	1.02	7.5	.5		9	0	FC48
121	3/20	1534 / 1540	"	8.0	1.65	2.91	0.26	4.8	SURF .9		5	0	
122	3/20	2145 / 2149	HOLLERON-WALTON	10.0	3.63	4.43	0.42	16.1	.6		5	+.04	FC56
123	4/1	1723 / 1728	HOLLERON-VRADENBURG	10.0	2.40	6.75	0.24	16.2	SURF .9		7	0	

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LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F267-R

Daily discharge, in second-feet of SIERRA MADRE WASH at Woodland Avenue, for the year ending September 30, 1958

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	+	+	+	c +	c 0.1	34	1.4	b +	b 0.1	b +	b +
2		2.2	+	+	1.3	+	7.2	2.1	+	0.1	b +	
3		+	+	+	15		54	2.7	0.1	0.1	b +	
4			+	0.3	38		16.7	1.8	0.1	0.1	0.3	
5			1.0	+	7.6	+	10.7	1.0	0.1	0.1	0.3	
6			+		6.6	8.2	21	1.0		0.1	b +	
7			+		6.6	0.4	34	0.1		0.1		
8			+		6.3	+	16.0	+		0.1	0.4	
9			0.4		5.7	+	15.0			0.1	0.1	
10	+		+		5.0	0.8	14.0			0.1	0.2	
11	0.5				4.4	9.8	9.3			0.1	0.2	
12	b +				0.5	3.6	19.3			0.1	0.2	
13		+			0.4	0.2	21			0.1	0.1	
14		0.1	+		0.4	+	8.0			0.1	b +	
15		+	4.3		0.4	15.0	6.6			0.1	0.8	
16	b		9.5		0.3	15.0	6.6			0.1	b +	
17			0.3		0.2	1.8	6.6			0.1		
18			+		0.4	2.9	6.6	+		0.1		
19	+				4.5	2.5	5.9	0.1		0.1		
20	0.8				3.1	2.2	5.9	1.0		0.1		
21	0.2				2.4	6.7	5.9	+		0.1		
22	+				1.8	c 6.8	5.2	+		0.1		
23				+	1.3	5.2	3.9	0.2	+			
24				1.1	0.3	5.2	2.7	+				
25				6.6	7.4	4.6	2.2					
26				6.4	.3	4.6	2.7					
27				1.0	0.1	10.5	2.7					
28				+	c +	4.6	2.2					
29	+		+	+		4.6	2.2	b				
30	0.2	+	0.1	0.2		6.1	2.2	b	b +			b +
31	1.5		+	+		6.0		b		b +	b +	
	3.2		15.6		150.8		350.3		2.0		1.4	
		2.3		15.6		127.4		11.4		2.2		+
MEAN	0.10	0.08	0.50	0.50	5.39	4.11	11.7	0.37	0.07	0.07	0.05	+
ACRE-FEET	6.3	4.6	31.	31.	299.	253.	695.	23.	4.0	4.4	2.8	+

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 1.87
ACRE-FEET 1350.

74D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

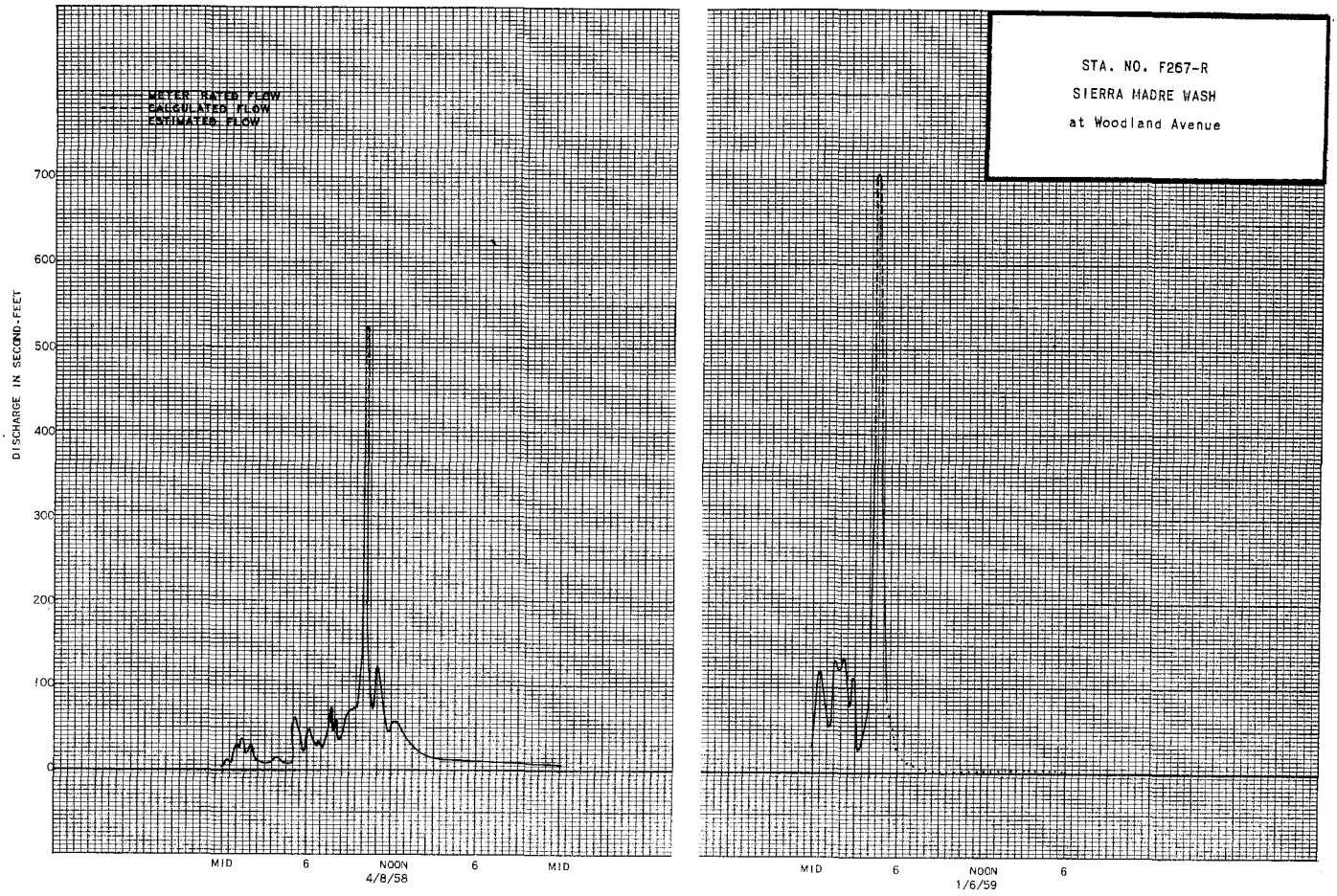
Sta. No. F267-R

Daily discharge, in second-feet of SIERRA MADRE WASH at Woodland Avenue, for the year ending September 30, 1959

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	+	+	+	b 0.2	+	+					
2					0.2							
3					0.2							
4				+	0.2							
5				3.7	0.2							
6				3.6	0.2							
7				2.0	b 0.2							
8				1.5	b 6.7							
9				1.3	b 0.1							
10				1.1	0.8							
11				0.9	19.3	+		RECORDER REMOVED FOR CHANNEL CONSTRUCTION				
12				0.7	b 2.0	b 0.1						
13				0.5	2.0	b 0.1						
14				0.4	2.0	b 0.1						
15				0.3	b 2.0	+						
16				0.3	19.8							
17				0.2	b 2.0							
18				0.2	2.0							
19				0.1	2.0							
20				0.1	b 2.0							
21				+	5.4							
22					b 0.5							
23	+				+							
24	1.4			+			+					
25	5.2			0.1			e 2.5					
26	+			0.1			e 0.7					
27				0.2			+					
28				0.2	+							
29		+		0.2			+					
30				0.2								
31	+		+	b 0.2		+						
	6.6		+		70.0		25.7		EST. 0		EST. 0	
		+		5.0.5		0.3		EST. 0		EST. 0		EST. 0
MEAN	0.21	+	+	1.63	2.50	+	0.86	0	0	0	0	0
ACRE-FEET	13.	+	+	100.	139.	0.6	51.	0	0	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.42
ACRE-FEET 304.



STATION E324-R
STODDARD CREEK above San Antonio Creek

LOCATION: WATER-STAGE RECORDER, LAT. 34°10'29", LONG. 117°40'12", ON THE LEFT (SOUTH) BANK ABOUT 800' ABOVE MOUTH OF CANYON . ELEVATION OF ZERO GAGE HEIGHT 2477.9 FEET.

DRAINAGE AREA: 1.71 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - LARGE ROCK AND GRAVEL WITH STEEP ROCKY BANKS. CONTROL - CONCRETE BROADCRESTED WEIR.

DISCHARGE MEASUREMENTS: ALL FLOWS MEASURED BY WADING.

RECORDED: A STEVENS TYPE A-35 RECORDER WAS IN SERVICE OCTOBER 20, 1958 TO SEPTEMBER 30, 1959.

REGULATION: NONE.

DIVERSION: NONE.

RECORDS AVAILABLE: OCTOBER 20, 1958 TO SEPTEMBER 30, 1959.

EXTREMES OF DISCHARGE:
1958-59
MAXIMUM: 55 SECOND-FEET FEBRUARY 16.
MINIMUM: NO FLOW VARIOUS TIMES.

ACCURACY: GOOD.

OPERATION: LOCATED AND CONSTRUCTED BY THE SAN BERNARDINO COUNTY FLOOD CONTROL DISTRICT. OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF STODDARD CREEK 11324-S

AT/NEAR above San Antonio Creek DURING THE YEAR ENDING SEPTEMBER 30, 1958

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	D. INT. CHANGE TOTAL	METER NO.
14	11/3	0030 / 0035	MIDDLETON-TREAT	4.0	1.18	1.70	0.10	2.0		.6	5	0	FC54
15	12/15	1425 / 1435	SARASUA-MC BRIDE	5.5	1.90	2.58	0.20	4.9		.6	10	0	"
16	12/16	1200 / 1208	" "	8.5	2.70	3.11	0.24	8.4		.5	12	0	"
17	12/17	0620 / 0625	" "	8.0	2.78	3.92	0.26	10.9		.5	7	0	"
18	12/17	1100 / 1110	SARASUA-STUNDEN	7.0	2.19	2.46	0.17	5.4		.5	9	0	"
19	12/18	1000 / 1005	SARASUA	2.0	0.56	1.39	0.07	0.78		.5	5	0	FC43
20	1/26	0120 / 0135	SARASUA-PITTS	8.0	2.70	3.99	0.26	10.8		.6	9	0	"
21	1/26	1505 / 1510	" "	6.5	1.17	1.38	0.12	1.6		.5	7	0	"
22	1/27	1700 / 1712	SARASUA	2.4	0.43	1.14	0.04	0.49		.5	7	0	FC49
23	1/29	1035 / 1040	"	1.1	0.12	1.75	0.03	0.21		.5	5	0	"
24	2/3	0246 / 0252	SARASUA-PITTS	2.4	0.32	1.28	0.04	0.41		.5	6	0	FC43
25	2/3	0817 / 0822	" "	3.8	1.40	3.50	0.21	4.9		.5	9	0	"
26	2/3	1205 / 1209	" "	2.8	1.08	3.24	0.17	3.5		.5	8	0	"
27	2/5	1216 / 1226	SARASUA	6.0	2.51	2.74	0.19	6.9		.5	9	0	"
28	2/8	0843 / 0855	"	5.5	1.29	1.15	0.08	1.5		.5	10	0	"
29	2/17	1200 / 1204	"	1.2	0.16	0.75	0.02	0.12		.5	4	0	FC49
30	2/19	1135 / 1142	SARASUA-PITTS	8.0	3.67	3.19	0.26	11.7		.5	10	0	FC43
31	2/19	1610 / 1620	" "	6.0	1.57	2.80	0.20	4.4		.6	10	0	"
32	2/25	1300 / 1307	" "	3.2	0.96	1.57	0.10	1.5		.6	9	0	"
33	2/26	1311 / 1317	SARASUA	2.2	0.69	1.26	0.07	0.87		.5	6	0	"
34	3/5	1335 / 1340	"	2.4	0.53	0.75	0.05	0.42		.5	6	0	"
35	3/12	0920 / 0930	"	2.2	0.63	1.16	0.06	0.73		.6	5	0	"
36	3/15	1812 / 1818	SARASUA-PITTS	2.5	0.82	1.58	0.10	1.3		.6	6	0	"
37	3/16	0035 / 0040	" "	9.5	4.80	3.48	0.26	16.7		.6	8	0	"
38	3/16	0831 / 0835	" "	7.0	4.58	3.08	0.26	14.1		.6	9	0	"
39	3/17	1132 / 1140	SARASUA	6.0	2.88	2.22	0.18	6.4		.6	9	0	"
40	3/19	1100 / 1110	"	5.5	2.03	1.53	0.14	3.1		.6	11	0	"
41	3/20	2205 / 2212	"	6.0	2.61	2.11	0.16	5.5		.6	8	0	"
42	3/26	0935 / 0940	"	5.5	1.72	1.34	0.10	2.3		.6	7	0	"
43	4/1	0918 / 0930	SARASUA-PITTS	14.0	9.92	3.70	0.42	36.6		.6	12	0	"
44	4/1	1725 / 1737	" "	13.0	7.30	5.33	0.50	37.9		.6	11	0	"
45	4/3	0837 / 0845	" "	13.5	15.4	4.72	0.60	71.5		.6	10	0	"
46	4/18	0822 / 0832	SARASUA	6.5	2.56	1.44	0.14	3.7		.6	8	0	FC54
47	4/23	1053 / 1101	"	8.5	2.66	0.94	0.12	2.5		.6	9	0	"
48	4/30	1050 / 1100	"	6.0	1.91	0.84	0.10	1.6		.6	8	0	"
49	5/7	1140 / 1145	"	4.5	1.54	0.78	0.09	1.2		.6	7	0	"
50	5/21	0835 / 0842	"	4.2	1.09	0.85	0.07	0.93		.6	7	0	"
51	5/28	0844 / 0850	SARASUA-MC BRIDE	4.6	0.94	1.12	0.05	1.1		.6	9	0	FC49
52	6/4	0921 / 0926	" "	4.4	0.76	1.16	0.05	0.88		.6	8	0	"
53	6/11	0856 / 0906	SARASUA	3.5	0.57	1.07	0.04	0.61		.5	8	0	"
54	6/18	0915 / 0925	"	3.5	0.56	0.77	0.04	0.43		.5	6	0	"
55	6/25	0937 / 0943	"	2.4	0.70	0.66	0.04	0.46		.5	8	0	"
56	7/2	0836 / 0844	SARASUA-MC BRIDE	1.8	0.28	1.00	0.05	0.28		.5	7	0	"
57	7/9	0915 / 0919	SARASUA	1.8	0.19	0.89	0.03	0.17		.6	6	0	"
58	7/16	0912 / 0920	MC BRIDE	1.8	0.24	0.50	0.03	0.12		.5	7	0	"
59	7/23	0908 / 0918	"	1.8	0.41	0.63	0.03	0.26		.5	7	0	"
60	7/30	0915 / 0920	"	0.90	0.20	0.65	0.02	0.13		.5	4	0	"
61	8/6	0906 / 0908	SARASUA	0.50	0.02	1.00	0.01	0.02		.5	4	0	"
62	9/24	1150 / 1156	"	2.7	0.63	0.68		0.43		.5	7		"

DISCHARGE MEASUREMENTS OF STODDARD CREEK

AT/NEAR above San Antonio Creek DURING THE YEAR ENDING SEPTEMBER 30, 1958

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	D. INT. CHANGE TOTAL	METER NO.
63	10/29	1035 / 1043	MC BRIDE	2.0	0.28	0.93	0.07	0.26		.5	6	-.01	FC49
64	11/5	1220 / 1228	"	1.8	0.31	0.87	0.07	0.27		.5	7	0	"
65	11/12	1143 / 1152	"	1.8	0.34	1.15	0.09	0.39		.5	7	0	"
66	11/19	1147 / 1153	"	2.0	0.42	0.88	0.09	0.37		.5	6	0	"
67	11/26	1016 / 1024	"	2.0	0.37	0.74	0.08	0.27		.5	6	0	"
68	12/3	1106 / 1112	"	2.0	0.40	0.73	0.07	0.29		.5	6	0	"
69	12/10	1320 / 1326	"	2.0	0.41	0.73	0.07	0.30		.5	6	-.01	"
70	12/17	1157 / 1203	"	2.0	0.42	0.71	0.07	0.30		.5	6	-.01	"
71	12/26	1006 / 1012	"	2.0	0.35	0.94	0.07	0.33		.5	6	0	"
72	1/2	1028 / 1033	"	2.0	0.47	0.74	0.08	0.35		.5	6	0	"
73	1/6	0651 / 0700	SARASUA-MC BRIDE	7.8	3.49	1.95	0.43	6.8		.6	17	-.06	FC54
74	1/7	1227 / 1235	MC BRIDE	2.0	0.66	0.64	0.11	0.42		.6	8	0	FC49
75	1/14	1135 / 1141	"	2.0	0.55	0.69	0.09	0.38		.5	6	-.01	"
76	1/21	1154 / 1200	"	2.0	0.55	0.67	0.09	0.37		.5	6	0	"
77	1/28	1051 / 1057	"	1.5	0.44	0.73	0.08	0.32		.6	6	-.02	"
78	2/4	1036 / 1042	"	1.8	0.51	0.77	0.09	0.39		.6	6	0	"
79	2/8	1128 / 1133	SARASUA-MC BRIDE	2.0	0.87	1.38	0.18	1.2		.6	9	0	"
80	2/11	0745 / 0801	" "	9.5	7.50	3.40	0.62	25.5		.6	20	-.09	FC54
81	2/11	0808 / 0819	" "	13.0	6.19	2.47	0.56	15.3		.6	19	-.04	"
82	2/12	1506 / 1513	" "	2.9	0.67	1.15	0.16	0.77		.5	11	0	FC49
83	2/16	0822 / 0830	" "	2.6	0.84	1.55	0.19	1.3		.6	8	-.01	"
84	2/16	1059 / 1111	" "	4.0	1.98	1.67	0.30	3.3		.6	11	+.01	"
85	2/16	1120 / 1130	" "	9.5	1.52	1.91	0.32	2.9		.6	14	+.01	"
86	2/16	1443 / 1456	" "	17.5	9.16	5.49	0.87	50.3		.6	16	-.02	FC54
87	2/18	1134 / 1143	MC BRIDE	4.5	1.48	0.81	0.17	1.2		.6	10	-.01	FC49
88	2/21	1450 / 1458	SARASUA-MC BRIDE	4.0	0.90	1.33	0.18	1.2		.6	9	0	"
89	2/25	1256 / 1305	MC BRIDE	3.5	0.58	0.98	0.13	0.57		.5	8	0	"
90	3/4	1032 / 1042	"	3.2	0.61	0.74	0.11	0.45		.5	9	0	"
91	3/11	1013 / 1019	"	1.6	0.31	1.16	0.10	0.36		.5	5	0	"
92	3/18	0936 / 0944	"	1.6	0.29	1.10	0.10	0.32		.5	5	0	"
93	3/25	1043 / 1051	"	1.5	0.29	1.28	0.10	0.37		.5	6	0	"
94	4/1	1237 / 1242	"	1.5	0.29	1.00	0.09	0.29		.5	4	0	"
95	4/8	1305 / 1312	"	1.5	0.27	1.04	0.09	0.28		.5	4	0	"
96	4/15	1010 / 1015	"	1.0	0.21	1.28	0.09	0.27		.5	3	0	"
97	4/22	1118 / 1122	"	1.0	0.20	1.20	0.08	0.24		.5	3	0	"
98	4/26	0213 / 0219	SARASUA-MC BRIDE	4.0	1.68	0.95	0.23	1.6		.6	9	0	FC54
99	4/29	1220 / 1224	MC BRIDE	1.0	0.19	1.10	0.09	0.21		.5	3	0	FC49
100	5/6	1129 / 1134	SARASUA	1.1	0.21	1.19	0.09	0.25		.6	5	0	"
101	5/13	1105 / 1110	MC BRIDE	1.1	0.19	1.32	0.09	0.25		.5	3	0	"
102	5/20	1202 / 1207	"	1.0	0.20	1.20	0.09	0.24		.5	3	0	"
103	5/27	1025 / 1029	MC BRIDE - BOWMAN	1.0	0.20	1.10	0.10	0.22		.5	3	0	"
104	6/3	1322 / 1326	MC BRIDE	1.0	0.17	1.00	0.08	0.17		.5	3	0	"
105	6/10	1019 / 1023	"	1.0	0.17	0.94	0.08	0.16		.5	3	0	"
106	6/17	1348 / 1352	SARASUA	0.80	0.08	0.75	0.06	0.06		.6	5	0	"
107	6/24	0928 / 0931	"	1.0	0.14	0.85	0.06	0.12		.6	5	0	"
108	7/1	1226 / 1230	MC BRIDE	1.0	0.18	0.50	0.06	0.09		.5	3	0	"
109	7/8	1242 / 1248	"	1.0	0.17	0.53	0.04	0.09		.5	3	0	"
110	7/15	1038 / 1042	"	1.0	0.18	0.67	0.06	0.12		.5	3	0	"
111	7/23	0830 / 0835	SARASUA	1.0	0.19	0.74	0.06	0.14		.6	6	0	"
112	8/5	1238 / 1242	MC BRIDE	1.0	0.14	0.57	0.02	0.08		.5	3		"
113	8/19	1320 / 1322	"	1.0	0.19	0.63	0.06	0.12		.5	3	0	"
114	8/26	1244 / 1248	"	1.0	0.17	0.53	0.05	0.09		.5	3	0	"
115	9/17	0922 / 0930	SARASUA	1.0	0.22	0.54	0.06	0.12		.6	5	0	"
116	9/23	1500 / 1505	"	1.0	0.19	0.37	0.05	0.07		.6	5	0	"

FORM 4M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. B324-R

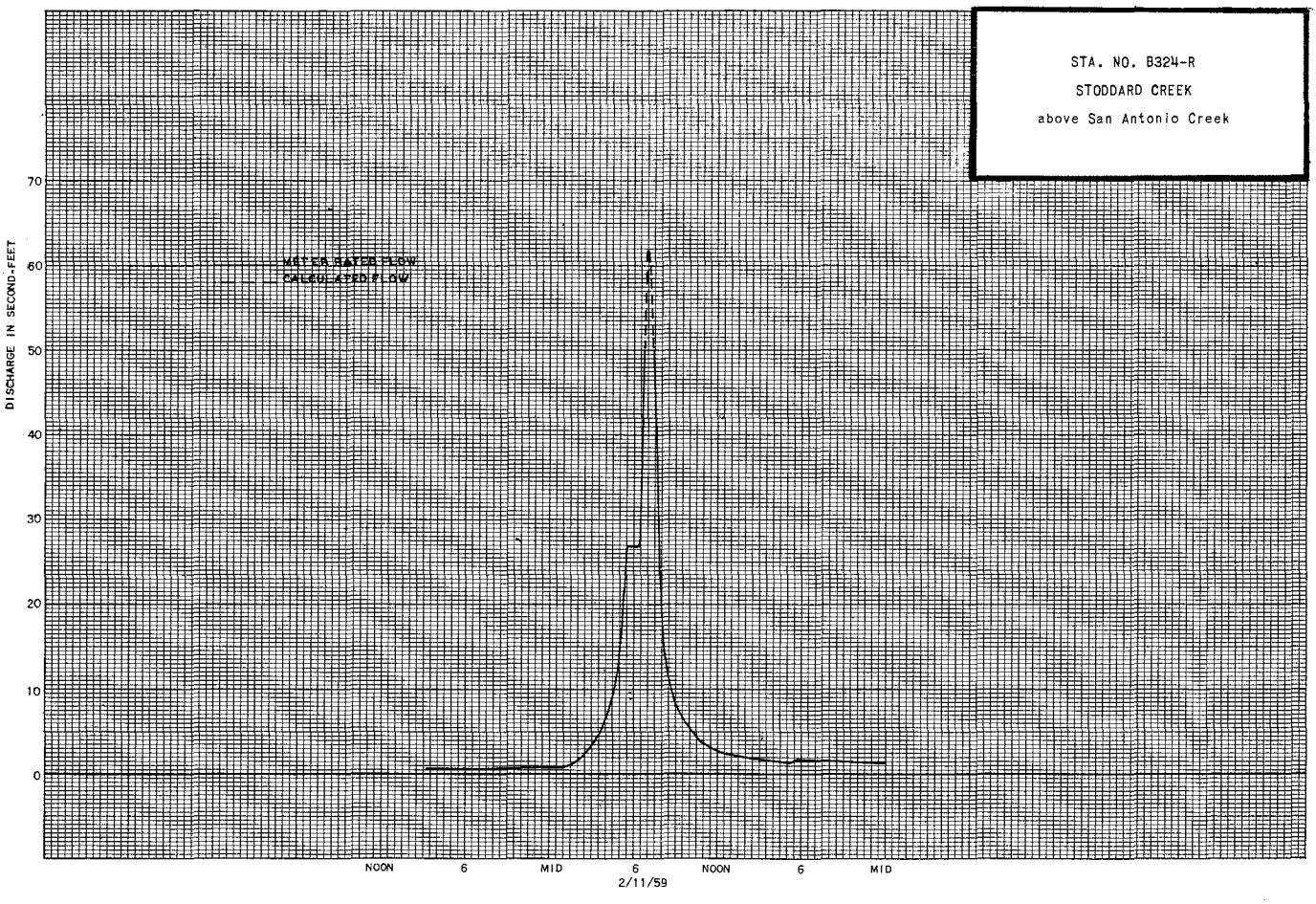
Daily discharge, in second-feet of STODDARD CREEK above San Antonio Creek, for the year ending September 30, 1959

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4	0.3	0.3	0.3	0.4	0.5	0.3	0.2	0.2	0.1	0	0
2		0.3	0.3	0.3	0.4	0.5	0.3	0.2	0.2	0.1	0	0
3		0.3	0.3	0.3	0.4	0.5	0.3	0.2	0.2	0.1	0	0
4		0.3	0.3	0.3	0.4	0.4	0.3	0.2	0.2	0.1	0	+
5		0.3	0.3	0.4	0.4	0.4	0.3	0.2	0.2	0.1	+	+
6		0.3	0.3	2.5	0.4	0.4	0.3	0.2	0.2	0.1	+	0
7		0.3	0.3	0.4	0.4	0.4	0.3	0.2	0.2	0.1	0	0
8		0.3	0.3	0.4	0.9	0.4	0.3	0.2	0.2	0.1	0	0
9		0.3	0.3	0.4	0.6	0.4	0.3	0.2	0.2	0.1	0	0
10		0.3	0.3	0.4	0.6	0.4	0.3	0.2	0.2	0.1	0	0
11		0.4	0.3	0.4	7.5	0.4	0.3	0.2	0.2	0.1	0	0
12		0.4	0.3	0.4	0.9	0.4	0.3	0.2	0.2	0.1	0	0
13		0.4	0.3	0.4	0.7	0.4	0.3	0.2	0.1	0.1	0	+
14		0.4	0.3	0.4	0.6	0.4	0.3	0.2	0.1	0.1	+	+
15		0.4	0.3	0.4	0.6	0.3	0.3	0.2	0.1	0.1		+
16		0.4	0.3	0.4	9.2	0.3	0.3	0.2	0.1	0.1		0.1
17		0.4	0.3	0.4	2.0	0.3	0.3	0.2	0.1	0.1		0.1
18		0.4	0.3	0.4	1.2	0.3	0.3	0.2	0.1	0.1		0.1
19	↓ — 0.3	0.4	0.3	0.4	1.1	0.3	0.2	0.2	0.1	0.1		0.1
20	0.3	0.4	0.3	0.4	1.0	0.3	0.2	0.2	0.1	0.1		0.1
21	0.3	0.3	0.3	0.4	1.1	0.3	0.2	0.2	0.1	0.1		0.1
22	0.3	0.3	0.3	0.4	1.0	0.3	0.2	0.2	0.1	0.1		0.1
23	0.3	0.3	0.3	0.4	0.8	0.4	0.2	0.2	0.1	0.1		0.1
24	0.3	0.3	0.3	0.4	0.6	0.4	0.2	0.2	0.1	0.1		0.1
25	0.3	0.3	0.3	0.3	0.6	0.4	0.4	0.2	0.1	0.1		+
26	0.3	0.3	0.3	0.5	0.5	0.4	0.6	0.2	0.1	0.1		+
27	0.3	0.3	0.3	0.3	0.5	0.4	0.3	0.2	0.1	0.1		0.1
28	0.3	0.3	0.3	0.3	0.5	0.4	0.2	0.2	0.1	0.1		0.1
29	0.3	0.3	0.3	0.3		0.3	0.2	0.2	0.1	0.1	+	0.1
30	0.3	0.3	0.3	0.3		0.3	0.2	0.2	0.1	0.1	0	0.1
31	0.3		0.3	0.3		0.3		0.2		0.1	0	
	9.3		9.3		35.3		8.5		4.2		+	1.3
		10.0		13.4		11.6		6.2		3.1		
MEAN	0.30	0.33	0.30	0.43	1.26	0.37	0.28	0.20	0.14	0.10	+	0.04
ACRE-FEET	18.	20.	18.	26.	70.	23.	17.	12.	8.3	6.1	+	2.6

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.31
ACRE-FEET 221.

RECORDER INSTALLED 10/20/58
10/1 TO 10/19 INC. — 0.3 CFS EST.



STATION F43-R
SYCAMORE CANYON CHANNEL above Solway Street

LOCATION: WATER-STAGE RECORDER, LAT. 34°09'24", LONG. 118°13'17", ON THE RIGHT (NORTH) SIDE OF CONCRETE DRAIN, APPROXIMATELY 80-FEET ABOVE SOLWAY STREET AND ABOUT THREE MILES NORTHEAST OF GLENDALE. ELEVATION OF GAGE ABOUT 700 FEET.

DRAINAGE AREA: 2.7 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - RECTANGULAR CONCRETE, 8 FEET WIDE AND 8 FEET DEEP. INVERT IS 0.1 FOOT BELOW BOTTOM OF VERTICAL SIDE WALLS. CHANNEL FORMS CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING; HIGH FLOWS MEASURED FROM FOOTBRIDGE ABOUT 80 FEET BELOW STATION.

RECORDER: A STEVENS TYPE L RECORDER WAS IN SERVICE FROM OCTOBER 1, 1957 TO SEPTEMBER 30, 1959.

REGULATIONS: NONE.

DIVERSIONS: NONE.

RECORDS AVAILABLE: FROM JANUARY 30, 1928 TO APRIL 6, 1932 AND FROM OCTOBER 1, 1935 TO SEPTEMBER 30, 1940. NOT PUBLISHED FROM OCTOBER 1, 1936 TO SEPTEMBER 30, 1938, BUT RECORDS ARE AVAILABLE AT OFFICE OF THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT, HYDRAULIC DIVISION. RECORDS PUBLISHED FROM OCTOBER 1, 1938 TO SEPTEMBER 30, 1959.

EXTREMES OF DISCHARGE:

1957-58
- MAXIMUM 374 SECOND-FEET FEBRUARY 19.
- MINIMUM NO FLOW AT VARIOUS TIMES

1958-59
- MAXIMUM 279 SECOND-FEET JANUARY 6.
- MINIMUM NO FLOW AT VARIOUS TIMES.

1928-59
- MAXIMUM NOT DETERMINED MARCH 2, 1938.
- MAXIMUM DISCHARGE OF RECORD 568 SECOND-FEET JANUARY 16, 1952.
- MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: FAIR.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

76D74M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F43-R

Daily discharge, in second-feet of SYCAMORE CANYON CHANNEL above Solway Street, for the year ending September 30, 1958

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	+	+	a +	+	0.3	11.2	0.2	0.1	+	+	+
2		1.9	+		0.7	0.2	2.2	0.3	0.1			
3		+	+		12.1	a 0.2	11.0	0.2	0.1			
4		+	0.5		14.7	a 0.2	3.7	0.2	+			
5		0.2	f 3.4		0.8	0.2	2.0	0.2				
6		+	+		0.4	0.6	6.2	0.1				
7		0			0.3	+	12.3	0.1				
8		+			0.3	0.1	3.4	0.1				
9					0.2	0.1	2.4	0.2				
10	+				0.2	0.2	1.8	0.2				
11	0.4				0.4	0.1	1.6	0.2				
12	+				0.3	0.1	1.4	0.2				
13	0.4				0.3	0.2	1.2	0.1				
14	0.4		+		0.2	0.2	0.5	+			+	
15	+		3.9		0.2	4.7	0.5	+			0.2	
16	+		a 1.2		0.1	6.6	0.4	0.1			+	+
17			+		0.1	0.6	0.3	0.1				+
18					0.2	0.5	0.4	0.1				0
19	+				2.2	0.4	0.4	0.1				0
20	0.2		a		0.5	2.6	0.3	0.1				0
21	+				0.6	1.9	0.2	0.1				0
22					0.4	1.3	0.2	+				0
23				a +	0.4	0.5	0.2	+				0
24				0.1	0.3	0.5	0.1	+				0
25				2.8	3.9	0.4	0.3	0.1				0
26				2.3	0.2	0.4	0.3	0.1				+
27				+	0.3	2.8	0.3	0.1				
28				+	0.3	0.4	0.2	0.1				
29				+		0.4	0.2	+				
30	+	+		0.1		0.8	0.2	0.1	+			+
31	0.1		a +	+		0.5		0.1		+	+	
	1.5		9.0		60.4		65.4		0.3		0.2	
		2.1		5.3		28.0		3.5		+		+
MEAN	0.05	0.07	0.29	0.17	2.16	0.90	2.18	0.11	0.01	+	0.01	+
ACRE-FEET	3.0	4.2	18.	10.	120.	56.	130.	6.9	0.6	+	0.4	+

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.48
ACRE-FEET 348.

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F43-R

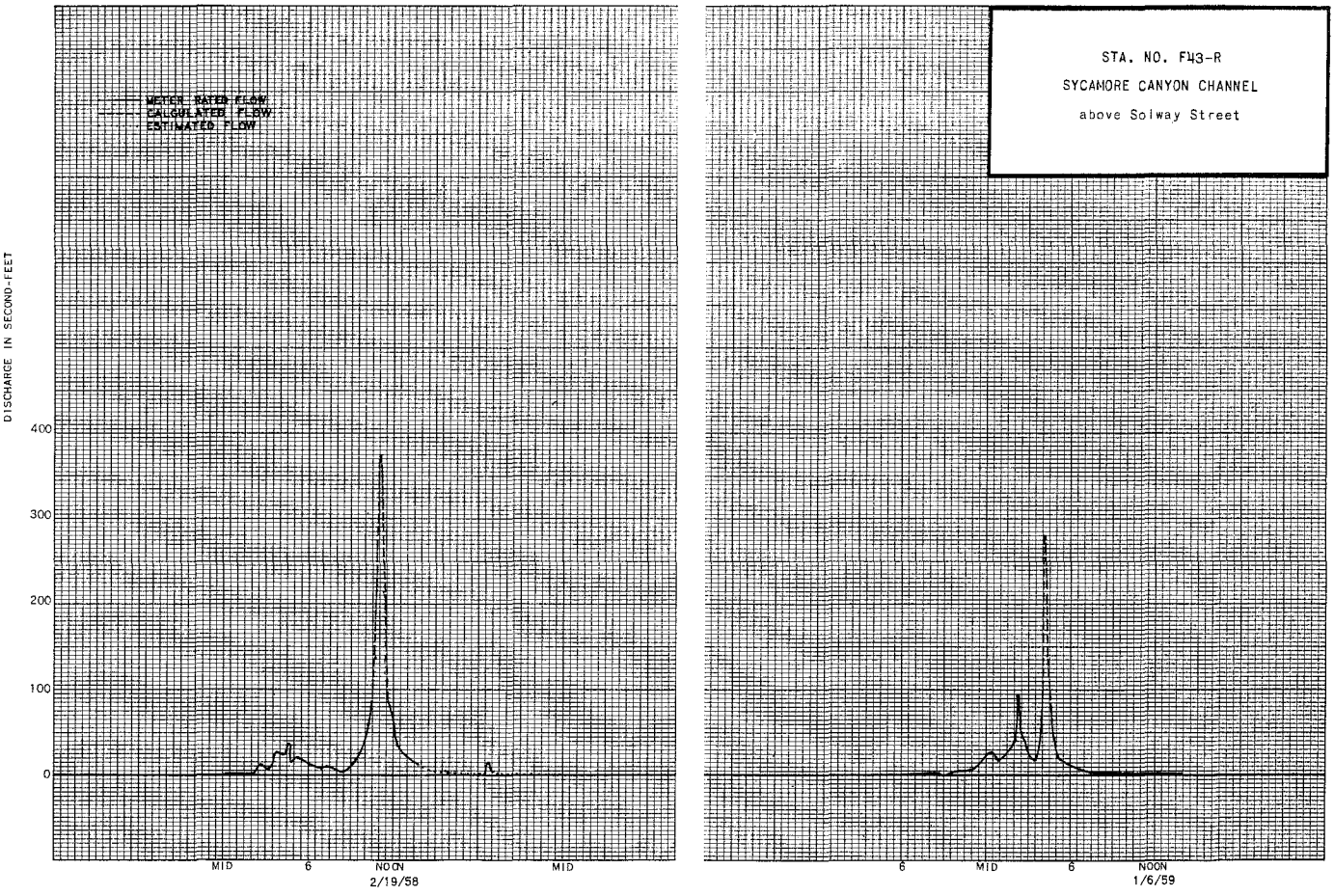
Daily discharge, in second-feet of SYCAMORE CANYON CHANNEL above Solway Street, for the year ending September 30, 19 59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	+	+	+	+	c +				
2	0	0	0									
3	0	0	+									
4	0	0		+								
5	0	0		1.4								
6	0	0		12.5								
7	0	0		+	+							
8	0	0			1.0							
9	0	0			0							
10	0	0			+							
11	+	0			7.4							
12		0			+							
13		0			0							
14		0			0							
15		0	+		0.3							
16		0	0		8.0							
17		0	0		+							
18		0	0									
19	+	0	0									
20	0	0	0		+							
21	0	0	0		1.5							
22	0	0			0.1							
23	0	0			0.1							
24	0.1	+			+		+					
25	0.2	0					0.4					
26	0	0					b 0.1					
27	0	+					0.1					
28	0	+					0.1					
29	0	0					0.1					
30	0	0					b 0.2					
31	0		+	+		+		c +				
	0.3	+	+	13.9	18.4	+	1.0	+	+	+	+	+
MEAN	0.01	+	+	0.45	0.66	+	0.03	+	+	+	+	+
ACRE-FEET	0.6	+	+	28.	36.	+	2.0	+	+	+	+	+

STOPPED FOR SUMMER

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.09
ACRE-FEET 67.



STATION F44B-R
SYCAMORE CANYON CHANNEL at Adams Square

LOCATION: WATER-STAGE RECORDER, LAT. 34°08'02", LONG. 118°14'30", ON THE RIGHT (NORTH) SIDE OF THE DRAIN ABOUT 130 FEET DOWNSTREAM FROM THE WEST CURB OF ADAMS STREET. ABANDONED STATION F44-R WAS 100 FEET UPSTREAM FROM PRESENT STATION.

DRAINAGE AREA: 6.2 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - CLOSED RECTANGULAR CONCRETE DRAIN, 9 FEET WIDE AND 10 FEET DEEP. INVERT IS 0.1 FOOT BELOW BOTTOM OF VERTICAL SIDE WALLS. CHANNEL FORMS CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM FOOTBRIDGE AT STATION.

RECORDER: AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1957 TO SEPTEMBER 30, 1959.

REGULATIONS: NONE.

DIVERSIONS: NONE.

RECORDS AVAILABLE: DECEMBER 15, 1927 TO SEPTEMBER 30, 1959.

EXTREMES OF DISCHARGE:

1957-58
MAXIMUM 751 SECOND-FEET FEBRUARY 19.
MINIMUM VARIOUS TIMES IN DECEMBER.
1958-59
MAXIMUM 880 SECOND-FEET JANUARY 6.
MINIMUM PLUS FLOW AT VARIOUS TIMES.
1927-59
MAXIMUM 2700 SECOND-FEET ESTIMATED MARCH 2, 1938.
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: FAIR.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

76DT4M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F44B-R

Daily discharge, in second-feet of SYCAMORE CANYON CHANNEL at Adams Square, for the year ending September 30, 1958

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.2	0.2	b 0.1	0.02	0.03	a 0.8	33	b 0.5	b 0.9	b 0.3	b 0.2	b 0.2
2	0.2	8.3	b 0.1	0.02	5.2	0.8	3.8	0.7	0.9	0.3	0.2	0.2
3	0.2	f 0.1	b 0.1	0.02	4.8	0.8	3.2	0.7	0.9	0.3	0.2	0.2
4	0.4	0.1	2.2	0.02	4.8	0.8	10.0	0.5	0.9	0.3	0.1	0.2
5	0.1	3.4	15.6	0.03	3.0	a 0.8	7.0	0.5	1.0	0.3	0.1	0.2
6	0.2	f 0.01	b. 0.02	0.4	1.3	2.3	2.2	0.5	1.0	0.3	0.1	0.2
7	0.4	f 0.02	+	f 0.4	1.3	0.8	31	0.5	1.0	0.4	0.1	0.2
8	0.4	0.1	+	a 0.1	2.7	0.8	b 12.0	0.5	1.0	0.6	0.1	0.3
9	0.2	0.03	0.01	0.03	0.4	0.7	8.0	0.5	1.0	0.8	0.1	0.3
10	0.4	0.03	0.01	0.1	0.4	2.5	6.0	0.4	1.0	1.0	0.1	0.3
11	4.7	0.03	0.01	0.03	0.4	1.1	6.0	0.4	1.0	0.9	0.1	0.3
12	0.03	0.03	+	0.03	0.4	0.8	5.0	0.4	1.0	0.8	0.1	0.3
13	4.6	0.03	+	0.03	0.4	2.9	4.0	0.4	0.9	0.7	0.1	0.3
14	3.8	0.1	+	0.03	0.7	0.8	1.7	0.4	0.9	0.6	0.1	0.2
15	0.1	0.1	22	0.03	0.5	22	1.5	0.4	0.8	0.5	0.8	0.2
16	0.1	0.1	7.0	0.03	0.5	22	1.5	0.4	0.7	0.5	0.5	0.2
17	0.03	0.1	8.0	0.03	0.5	5.4	1.5	0.5	0.6	0.5	0.5	0.1
18	0.03	0.1	0.4	0.03	0.7	2.3	1.4	0.5	0.5	0.4	0.5	0.1
19	0.1	0.1	0.4	0.03	7.2	2.0	1.4	0.5	0.5	0.4	0.5	0.1
20	0.8	0.2	0.2	0.03	2.0	14.0	1.3	0.5	0.4	0.3	0.5	0.1
21	0.2	0.2	0.2	0.03	2.0	11.4	1.2	1.0	0.3	0.3	0.5	0.1
22	0.4	0.4	a 0.1	0.03	a 1.5	5.1	1.2	1.0	0.3	0.3	0.5	0.1
23	0.4	0.2	0.1	0.1	1.0	2.3	1.1	0.9	0.3	0.3	0.3	0.1
24	0.1	0.2	0.03	1.0	0.5	2.0	1.0	0.9	0.3	0.3	0.3	0.1
25	0.1	0.4	0.03	16.4	16.3	2.0	1.0	0.8	0.3	0.3	0.1	0.1
26	0.1	0.2	a 0.03	8.5	0.8	1.6	0.9	0.8	0.3	0.3	0.1	0.1
27	0.03	b 0.5	0.02	0.2	0.8	12.6	0.8	0.8	0.3	0.3	0.1	0.1
28	0.1	0.2	0.02	0.1	a 0.8	1.3	0.7	0.8	0.3	0.3	0.1	0.1
29	0.1	0.4	0.02	0.03		1.3	0.6	0.8	0.3	0.3	0.1	0.1
30	0.2	b 0.2	0.02	0.03		4.3	b 0.5	0.8	b 0.3	0.3	0.1	b 0.1
31	1.9		0.02	0.03		1.6		b 0.9		b 0.3	b 0.1	
	20.62	16.08	56.74	27.89	212.13	129.9	199.1	19.2	19.9	13.5	7.3	5.2
MEAN	0.67	0.54	1.83	0.90	7.57	4.19	6.64	0.62	0.66	0.44	0.24	0.17
ACRE-FEET	41.	32.	113.	55.	421.	258.	395.	38.	39.	27.	14.	10.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 1.99
ACRE-FEET 1450.

7ED74M Glb 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

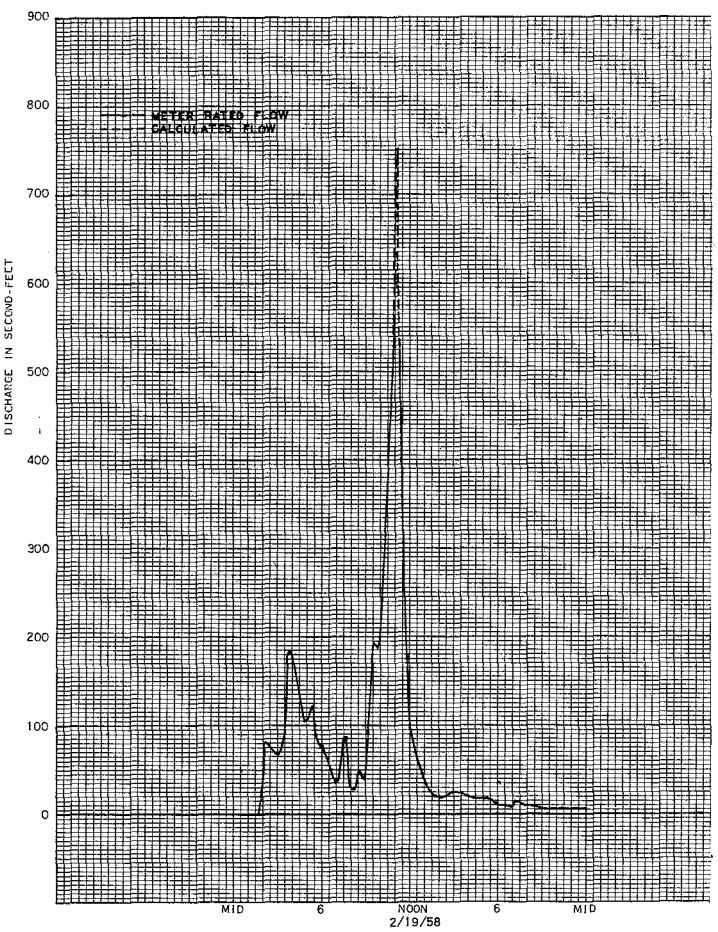
Sta. No. F44B-R

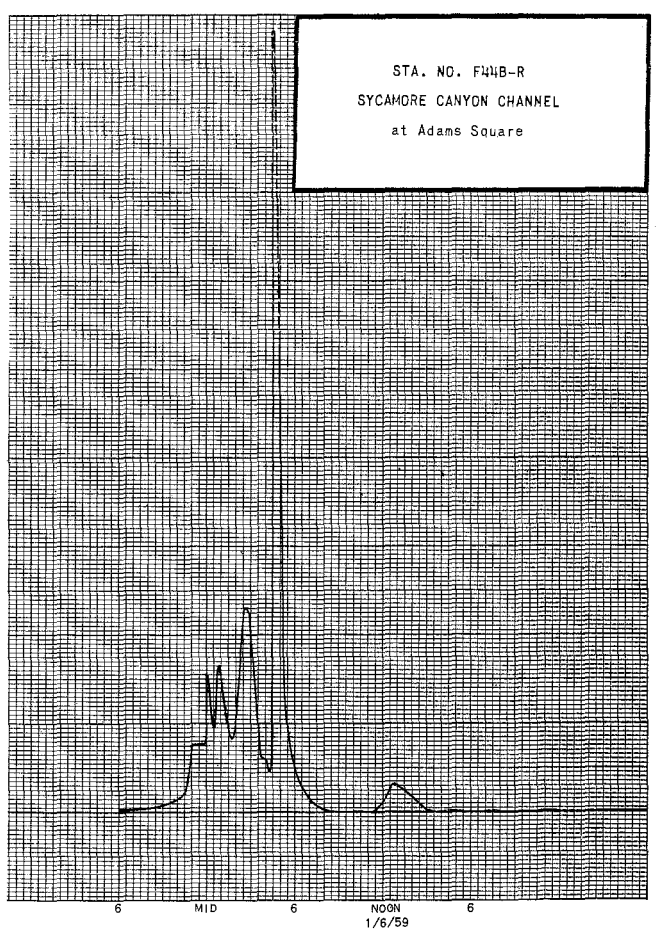
Daily discharge, in second-feet of SYCAMORE CANYON CHANNEL at Adams Square, for the year ending September 30, 1959

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	b 0.1	0.7	0.1	+	0.5	0.4	0.2	0.1	RECORDER STOPPED FOR SUMMER			+
2	0.1	0.5	+	+	0.5	0.4	0.2	0.1				
3	0.1	0.4	+	0.1	0.4	0.4	0.2	+				
4	0.1	0.2	0.1	0.1	0.4	0.4	0.2					
5	0.1	0.1	0.2	5.4	0.4	0.4	0.2					
6	0.1	0.2	0.1	50	0.4	0.4	0.2	+				
7	0.1	0.4	0.1	0.2	0.4	0.4	0.2	0.1				
8	0.1	0.4	0.1	0.2	6.7	0.4	0.2	0.1				
9	0.3	0.5	0.2	0.4	0.4	0.4	0.4	0.1				
10	0.1	0.5	0.2	0.4	1.9	0.4	0.4	0.1				
11	0.1	0.4	0.2	0.4	35	0.2	0.4	0.2				
12	0.1	0.4	0.4	0.4	1.1	0.1	0.4	0.2				
13	0.1	0.4	0.4	0.4	0.5	0.1	0.4	0.2				
14	0.1	0.5	0.4	0.2	0.5	0.1	0.4	e 0.1				
15	0.1	0.5	0.2	0.4	3.5	0.2	0.4	0.1				
16	0.1	0.5	+	0.4	31	0.2	0.4	0.1				
17	0.1	0.5	0.1	0.4	0.8	0.1	0.2	0.1				+
18	0.1	0.5	0.2	0.4	0.5	0.2	0.1	0.1				0.03
19	0.1	0.7	0.1	0.4	0.5	0.4	0.2	0.1				0.03
20	0.1	0.5	0.1	0.4	0.4	0.4	0.1	0.1				0.02
21	0.1	0.4	+	0.4	9.9	0.2	0.2	0.1				0.03
22	0.1	0.4		0.4	0.4	0.2	0.2	0.1				0.03
23	0.1	0.4		0.4	0.4	0.2	0.4	0.1				0.02
24	b 0.1	0.4		0.4	0.4	0.2	0.4	0.1				0.02
25	6.4	0.5		0.4	0.4	0.2	6.6	0.1				0.03
26	0.5	0.4	+	0.4	0.4	0.2	0.2	0.1				0.02
27	0.5	0.1	0.1	0.5	0.4	0.2	0.2	0.1				0.02
28	0.4	+	0.1	0.5	0.4	0.2	0.2	0.1				0.03
29	0.4	0.1	0.1	0.5		0.2	0.2	0.1				0.1
30	0.2	+	0.1	0.5		0.2	0.4	e 0.1				0.03
31	0.8		+	0.5		0.4		0.1				
	11.8		3.6		98.5		14.4		e 2.0		e 1.0	
		11.5		65.5		8.4		3.0		e 2.0		0.41
MEAN	0.38	0.38	0.12	2.11	3.52	0.27	0.48	0.10	0.07	0.07	0.03	0.01
ACRE-FEET	23.	23.	7.1	130.	195.	17.	29.	6.0	4.0	4.0	2.0	0.8

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD: MEAN 0.61; ACRE-FEET 441.





STATION F276-R
THOMPSON CREEK SPREADING GROUNDS INTAKE at Thompson Creek Dam

LOCATION: WATER-STAGE RECORDER, LAT. 34°08'22", LONG. 117°42'37", ON THE RIGHT (WEST) SIDE AND AT THE DOWNSTREAM END OF THE 3 FOOT X 3 FOOT DIVERSION OUTLET THROUGH THOMPSON CREEK DAM. ELEVATION OF ZERO GAGE HEIGHT, 1624.45 FEET.

DRAINAGE AREA: 3.7 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - 3 FOOT X 3 FOOT CONCRETE-COVERED OUTLET WITH A TRANSITION INTO A 4-FOOT DIAMETER SEMI-CIRCULAR FLUME. CONTROL - TRANSITION INTO SEMI-CIRCULAR FLUME.

DISCHARGE MEASUREMENTS: ALL FLOWS MEASURED BY WADING.

RECORDER: A STEVENS TYPE L RECORDER WAS IN SERVICE FROM OCTOBER 1, 1957 TO SEPTEMBER 30, 1959.

REGULATION AND/OR DIVERSIONS: INFLOW TO THOMPSON CREEK DAM FROM COBAL AND PALMER CANYONS CAN BE DIRECTED THROUGH A 3 FOOT X 3 FOOT OUTLET TUNNEL TO THOMPSON CREEK SPREADING GROUNDS. FLOW THROUGH THE TUNNEL CAN BE CONTROLLED BY TWO SLIDE GATES SO THAT ANY FLOW IN EXCESS OF THE CAPACITY OF GATE OPENING IS PASSED OVER A SPILLWAY BACK TO THE RESERVOIR.

RECORDS AVAILABLE: JANUARY 14, 1941 TO SEPTEMBER 30, 1959.

EXTREMES OF DISCHARGE:
1957-58
MAXIMUM 10 SECOND-FEET APRIL 8.
MINIMUM NO FLOW MOST OF YEAR.
1958-59
NO FLOW FOR ENTIRE YEAR.
1940-59
MAXIMUM 21 SECOND-FEET FEBRUARY 24, 1943.
MINIMUM NO FLOW MOST OF EACH YEAR.

ACCURACY: GOOD.

REMARKS: PRIOR TO AUGUST 1953, THE WATER-STAGE RECORDER WAS LOCATED ON THE LEFT (EAST) SIDE OF THE DOWNSTREAM END OF THE DIVERSION OUTLET.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF THOMPSON CREEK SPREADING GROUND INTAKE

AT ~~NEAR~~ Thompson Creek Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 56

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATINGS	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
65	3/19	0855 / 0858	SARASUA	2.7	0.65	1.69	0.40	1.1		.6	8	0	FC43
66	3/22	0807 / 0815	SARASUA-PITTS	3.3	1.17	2.65	0.55	3.1		.6	8	0	"
67	4/5	1258 / 1310	SARASUA-FALCONE	3.8	2.27	3.48	0.80	7.9		.6	10	0	"
68	4/14	1707 / 1710	FALCONE	1.1	0.05	2.00	0.05	0.10	FLOATS		4	0	
69	4/16	1410 / 1425	SARASUA	1.6	0.30	3.67	0.35	1.1		.6	6	0	FC49
70	4/23	0757 / 0805	"	1.4	0.17	3.05	0.22	0.52		.5	7	0	"
71	4/30	1135 / 1140	FALCONE	1.2	0.08	3.50	0.11	0.28	FLOATS		5	0	

FORM C-b 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F276-R

Daily discharge, in second-feet of THOMPSON CREEK SPREADING GROUNDS INTAKE at Thompson Creek Dam for the year ending September 30, 19 56

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0.8	0.1	0	0	0	0
2	0	0	0	0	0	0	0	0.1	0	0	0	0
3	0	0	0	0	+	0	0.2	0.1	0	0	0	0
4	0	0	0	0	+	0	4.5	0	0	0	0	0
5	0	0	0	0	0	0	8.1	0	0	0	0	0
6	0	0	0	0	0	0	3.7	0	0	0	0	0
7	0	0	0	0	0	0	0.6	0	0	0	0	0
8	0	0	0	0	0	0	6.2	0	0	0	0	0
9	0	0	0	0	0	0	8.1	0	0	0	0	0
10	0	0	0	0	0	0	6.6	0	0	0	0	0
11	0	0	0	0	0	0	5.6	0	0	0	0	0
12	0	0	0	0	0	0	4.6	0	0	0	0	0
13	0	0	0	0	0	0	4.0	0	0	0	0	0
14	0	0	0	0	0	0	2.5	0	0	0	0	0
15	0	0	+	0	0	0	1.1	0	0	0	0	0
16	0	0	+	0	0	0	1.2	0	0	0	0	0
17	0	0	+	0	0	1.3	1.1	0	0	0	0	0
18	0	0	0	0	0	1.7	1.1	0	0	0	0	0
19	0	0	0	0	+	0.9	0.9	0	0	0	0	0
20	0	0	0	0	0	0.7	0.5	0	0	0	0	0
21	0	0	0	0	0	0.6	0.5	0	0	0	0	0
22	0	0	0	0	0	3.2	0.5	0	0	0	0	0
23	0	0	0	0	0	1.4	0.5	0	0	0	0	0
24	0	0	0	0	0	0.6	0.4	0	0	0	0	0
25	0	0	0	0	+	1.2	0.3	0	0	0	0	0
26	0	0	0	+	0	1.0	0.3	0	0	0	0	0
27	0	0	0	0	0	0.7	0.2	0	0	0	0	0
28	0	0	0	0	0	0.6	0.2	0	0	0	0	0
29	0	0	0	0		1.2	0.2	0	0	0	0	0
30	0	0	0	0		1.1	0.2	0	0	0	0	0
31	0		0	0		0.9		0		0	0	
	0		+		+		6 4.9		0		0	
		0		+		17.1		0.3		0		0
MEAN	0	0	+	+	+	0.55	2.16	0.01	0	0	0	0
ACRE-FEET	0	0	+	+	+	34.	129.	0.6	0	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.23
ACRE-FEET 163.

FD174M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F276-R

Daily discharge, in second-feet of THOMPSON CREEK SPREADING GROUNDS INTAKE at Thompson Creek Dam, for the year ending September 30, 1959

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0		0	0	0	0	0	0	0
31	0		0	0		0		0		0	0	
	0		0		0		0		0		0	
		0		0		0		0		0		0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
ACRE-FEET	0	0	0	0	0	0	0	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 0
ACRE-FEET 0

STATION F32-R
THOMPSON CREEK below Thompson Creek Dam

LOCATION: WATER-STAGE RECORDER, LAT. 34°08'22", LONG. 117°42'32", ON THE RIGHT (NORTH) BANK ABOUT 300 FEET BELOW THOMPSON CREEK DAM TUNNEL OUTLET AND ABOUT 2.5 MILES NORTH OF CLAREMONT. ELEVATION OF ZERO GAGE HEIGHT, 1579.94 FEET.

DRAINAGE AREA: 3.7 SQUARE MILES.

CHANNEL AND CONTROL: SAN DIMAS TYPE FLUME.

DISCHARGE MEASUREMENTS: ALL FLOWS MEASURED BY WADING.

RECORDER: A HORIZONTAL RATIONAL RECORDER WAS IN SERVICE FROM OCTOBER 1, 1957 TO SEPTEMBER 30, 1959.

REGULATION AND/OR DIVERSION: INFLOW TO THOMPSON CREEK DAM FROM COBAL AND PALMER CANYONS CAN BE DIRECTED THROUGH A 3 FOOT X 3 FOOT OUTLET TUNNEL TO THOMPSON CREEK SPREADING GROUNDS. FLOW THROUGH THE DIVERSION TUNNEL CAN BE CONTROLLED BY TWO SLIDE GATES SO THAT ANY FLOW IN EXCESS OF THE CAPACITY OF GATE OPENINGS IS PASSED OVER A SPILLWAY BACK TO THE RESERVOIR. FLOW THROUGH THE 24-INCH OUTLET VALVE PASSES THE STATION. DISCHARGES OVER THE SPILLWAY OF THE DAM WOULD NOT BE RECORDED AT THIS LOCATION.

RECORDS AVAILABLE: RECORDER RECORDS DECEMBER 21, 1943 TO SEPTEMBER 30, 1959 FOR MEASUREMENTS PRIOR TO DECEMBER 21, 1943, SEE STATION F32-S. FROM MARCH 1928 SEE RECORDS BASED ON DAM OUTFLOW.

EXTREMES OF DISCHARGE:
1957-58
MAXIMUM 8.6 SECOND-FEET APRIL 5.
MINIMUM NO FLOW MOST OF YEAR.
1958-59
NO FLOW FOR ENTIRE YEAR.
1944-59
MAXIMUM 8.6 SECOND-FEET APRIL 5, 1958.
MINIMUM NO FLOW.

ACCURACY: GOOD.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT FOR MEASURING OUTFLOW FROM THOMPSON CREEK DAM.

DISCHARGE MEASUREMENTS OF THOMPSON CREEK

AT OR NEAR below Thompson Creek Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 58

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS-SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
22	4/5	1201 / 1213	SARASUA-FALCONE	7.0	3.63	3.30	0.37	12.0		.6	15	0	FC43
23	4/5	1217 / 1226	" "	6.5	2.27	2.36	0.28	5.3		.6	14	-.17	"
24	4/5	1231 / 1240	" "	6.5	2.41	1.91	0.20	4.6		.6	14	0	"
25	4/8	1330 / 1342	SARASUA	6.5	3.15	2.31	0.33	7.3		.6	14	0	"
26	4/14	1745 / 1755	FALCONE	7.0	2.61	2.30	0.29	6.0		.6	7	0	FC55
27	4/16	1455 / 1505	SARASUA	4.5	1.67	2.75	0.24	4.6		.6	7	0	FC54
28	4/23	0835 / 0845	"	5.5	2.46	1.42	0.16	3.5		.5	10	0	"
29	4/25	0820 / 0835	"	4.5	1.36	2.06	0.14	2.8		.6	10	0	"

74D74M Glb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F32-R

Daily discharge, in second-feet of THOMPSON CREEK below Thompson Creek Dam, for the year ending September 30, 19 58

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	3.0	0	0	0	0	0
6	0	0	0	0	0	0	4.6	0	0	0	0	0
7	0	0	0	0	0	0	4.6	0	0	0	0	0
8	0	0	0	0	0	0	5.9	0	0	0	0	0
9	0	0	0	0	0	0	7.3	0	0	0	0	0
10	0	0	0	0	0	0	7.3	0	0	0	0	0
11	0	0	0	0	0	0	7.3	0	0	0	0	0
12	0	0	+	0	0	0	7.0	0	0	0	0	0
13	0	0	0	0	0	0	6.8	0	0	0	0	0
14	0	0	0	0	0	0	6.2	0	0	0	0	0
15	0	0	0	0	0	0	5.3	0	0	0	0	0
16	0	0	0	0	0	0	4.6	0	0	0	0	0
17	0	0	0	0	0	0	4.5	0	0	0	0	0
18	0	0	0	0	0	0	4.4	0	0	0	0	0
19	0	0	0	0	0	0	4.2	0	0	0	0	0
20	0	0	0	0	0	0	4.0	0	0	0	0	0
21	0	0	0	0	0	0	3.8	0	0	0	0	0
22	0	0	0	0	0	0	3.6	0	0	0	0	0
23	0	0	0	0	0	0	3.5	0	0	0	0	0
24	0	0	0	0	0	0	3.3	0	0	0	0	0
25	0	0	0	0	0	0	2.8	0	0	0	0	0
26	0	0	0	0	0	0	2.5	0	0	0	0	0
27	0	0	0	0	0	0	2.0	0	0	0	0	0
28	0	0	0	0	0	0	1.5	0	0	0	0	0
29	0	0	0	0		0	0.5	0	0	0	0	0
30	0	0	0	0		0	0	0	0	0	0	0
31	0		0	0		0		0		0	0	
	0		+		0		110.5		0		0	
		0		0		0		0		0		0
MEAN	0	0	+	0	0	0	3.68	0	0	0	0	0
ACRE-FEET	0	0	+	0	0	0	219.	0	0	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.30
ACRE-FEET 219.

74D74M Glb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F32-R

Daily discharge, in second-feet of THOMPSON CREEK below Thompson Creek Dam, for the year ending September 30, 19 59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0		0	0	0	0	0	0	0
30	0	0	0	0		0	0	0	0	0	0	0
31	0		0	0		0		0		0	0	
	0		0		0		0		0		0	
		0		0		0		0		0		0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
ACRE-FEET	0	0	0	0	0	0	0	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 0
ACRE-FEET 0

STATION F54B-R
TOPANGA CREEK above Mouth of Canyon

LOCATION: WATER-STAGE RECORDER, LAT. 34°03'52", LONG. 118°35'12", ON THE RIGHT (WEST) DOWNSTREAM ABUTMENT OF THE CONCRETE BRIDGE TWO MILES NORTH OF TOPANGA BEACH AND ABOUT SIX MILES NORTHWEST OF SANTA MONICA. ELEVATION OF ZERO GAGE HEIGHT, 265.60 FEET.

DRAINAGE AREA: 18 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - ROCK AND GRAVEL. NO ARTIFICIAL CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING; HIGH FLOWS MEASURED FROM CABLE CAR ABOVE STATION.

RECORDER: A STEVENS A-35B CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1957 TO SEPTEMBER 30, 1959.

REGULATION: NONE.

DIVERSIONS: NONE.

RECORDS AVAILABLE: JANUARY 1, 1930 TO SEPTEMBER 30, 1959.

EXTREMES OF DISCHARGE:
1957-58
MAXIMUM 3950 SECOND-FEET, APRIL 3.
MINIMUM 0.01 SECOND-FOOT VARIOUS TIMES.
1958-59
MAXIMUM 1510 SECOND-FEET JANUARY 6.
MINIMUM 0.02 SECOND-FOOT VARIOUS TIMES.
1930-59
MAXIMUM 9300 SECOND-FEET ESTIMATED MARCH 2, 1939.
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: FAIR.

REVISION: THE MAXIMUM DISCHARGE FOR THE WATER YEAR 1930-31 HAS BEEN REVISED TO 1370 SECOND-FEET ON FEBRUARY 4, 1931.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT IN COOPERATION WITH THE UNITED STATES GEOLOGICAL SURVEY, WATER RESOURCES BRANCH.

DISCHARGE MEASUREMENTS OF TOPANGA CREEK

at above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 56

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	B. HT. CHANGE TOTAL	METER NO.
1027	10/17	1400 / 1405	SJOSTEDT	0.60	0.05	0.60	2.55	0.03		.5	5	0	FC50
1028	10/31	1100 / 1105	"	0.60	0.06	0.67	2.57	0.04		.5	4	0	"
1029	11/7	1525 / 1530	"	0.60	0.06	0.50	2.56	0.03		.5	4	0	"
1030	11/14	1045 / 1055	SJOSTEDT-CARABA	0.40	0.04	1.25	2.57	0.05		.5	4	0	"
1031	11/27	1400	SJOSTEDT	90° "V" NOTCH WEIR			2.59	0.04				0	
1032	12/5	1435 / 1440	"	3.0	0.76	1.32	2.74	1.0		.5 .6	6	0	FC50
1033	12/12	1340	"	90° "V" NOTCH WEIR			2.63	0.09				0	
1034	12/15	1310 / 1325	"	22.0	36.3	4.22	4.00	153.		.6 .8	9	-.26	FC29
1035	12/19	1410 / 1420	"	2.0	0.39	1.38	2.64	0.54		.5	6	0	FC50
1036	12/26	1400 / 1405	"	2.0	0.20	0.65	2.56	0.13		.5	5	0	"
1037	1/2	1425 / 1430	"	2.0	0.19	0.47	2.56	0.09		.5	5	0	"
1038	1/9	1525 / 1530	"	2.0	0.23	0.57	2.55	0.13		.5	5	0	"
1039	1/16	1400 / 1405	"	1.5	0.19	0.42	2.55	0.08		.5	6	0	"
1040	1/23	1455 / 1500	"	1.5	0.20	0.40	2.56	0.08		.5	6	0	"
1041	1/26	0115 / 0122	SJOSTEDT-CARABA	25.0	31.6	3.19	3.89	101.		.6	8	-.02	FC29
1042	1/26	1005 / 1020	CARABA-SJOSTEDT	17.0	9.35	2.43	3.23	22.7		.5 .6	10	-.01	FC47
1043	1/30	1150 / 1200	SJOSTEDT-MOSES	4.9	0.89	0.96	2.67	0.85		.5	9	0	FC50
1044	2/3	0958 / 1006	SJOSTEDT-CARABA	24.0	22.6	3.23	3.69	73.0		.6	10	-.01	FC47
1045	2/4	2258 / 2308	" "	24.0	18.3	2.56	3.47	46.9		.6	9	-.01	"
1046	2/5	1245 / 1300	CARABA-SJOSTEDT	22.0	12.3	1.97	3.19	24.3		.5 .6	13	0	"
1047	2/6	1230 / 1245	SJOSTEDT	12.5	6.72	1.59	2.98	10.7		.5 .6	13	0	"
1048	2/13	1235 / 1240	"	4.5	1.37	1.60	2.73	2.2		.6	6	0	FC50
1049	2/19	2248 / 2300	SJOSTEDT-CARABA	26.0	23.4	2.86	3.62	67.0		.6	10	-.55	FC47
1050	2/20	1335 / 1355	CARABA-SJOSTEDT	24.0	13.5	2.37	3.33	32.0		.5 .6	13	-.01	FC47
1051	2/25	0648 / 0707	SJOSTEDT-CARABA	62.0	110.	4.80	4.82	528.		.6	13	-.01	"
1052	2/25	1302 / 1312	" "	25.0	23.4	3.76	3.74	88.0		.6	15	-.01	"
1053	2/25	2218 / 2230	" "	24.0	16.9	2.61	3.49	44.1		.5 .6	13	0	"
1054	2/27	1230 / 1245	SJOSTEDT	13.0	8.49	1.57	3.19	13.3		.6	13	0	"
1055	3/3	1210 / 1220	"	7.0	2.16	1.06	2.98	2.3		.5 .6	8	0	FC50
1056	3/6	1115 / 1130	CARABA-SJOSTEDT	12.5	5.99	0.91	3.02	5.4		.5 .6	13	0	"
1057	3/15	1634 / 1645	SJOSTEDT-CARABA	25.0	29.5	3.38	3.85	99.0		.6	14	-.02	FC47
1058	3/16	0325 / 0340	" "	65.0	124.	4.40	5.06	545.		.6	9	-.09	"
1059	3/16	1038 / 1054	CARABA-SJOSTEDT	24.0	21.6	2.01	4.79	43.6		.5 .6	13	-.02	"
1060	3/16	1545 / 1553	SJOSTEDT-CARABA	24.0	29.6	2.68	3.69	80.0		.6	13	-.02	"
1061	3/20	1130 / 1145	SJOSTEDT	20.0	10.1	1.49	3.04	15.0		.6	12	0	FC50
1062	3/26	1145 / 1200	SJOSTEDT	16.0	6.58	2.10	3.01	13.8		.5 .6	10	0	FC50
1063	3/26	1510 / 1520	"	6.0	2.26	2.36	3.01	5.3		.6	10	0	"
1064	3/27	1630 / 1645	CARABA-SJOSTEDT	24.0	20.6	2.57	3.38	53.0		.6	13	-.01	FC47
1065	4/1	0934 / 1947	SJOSTEDT-CARABA	36.0	41.4	3.59	4.03	148.		.6	16	0	"
1066	4/2	1140 / 1155	CARABA-SJOSTEDT	24.0	22.0	2.57	3.45	57.0		.6	14	0	"
1067	4/3	0817 / 0833	SJOSTEDT-CARABA	45.0	106.	6.39	5.69	677.		.6	10	-.20	"
1068	4/4	1325 / 1340	CARABA-SJOSTEDT	30.0	34.6	2.33	3.61	80.9		.6	16	-.02	"
1069	4/8	1004 / 1022	CARABA	28.0	30.9	1.91	3.44	59.1		.6	15	-.01	"
1070	4/10	1540 / 1555	SJOSTEDT	23.0	21.9	1.37	3.30	29.0		.6	13	-.10	"
1071	4/17	1625 / 1645	"	25.0	13.5	0.72	2.92	9.7		.6	14	0	FC50
1072	4/24	1200 / 1210	"	7.5	3.45	1.45	2.78	5.0		.5 .6	9	0	"
1073	5/1	1250 / 1300	"	5.0	2.37	1.72	2.71	4.1		.6	7	0	"
1074	5/8	1325 / 1330	"	4.5	1.76	1.53	2.69	2.7		.5 .6	6	0	"
1075	5/15	1600 / 1605	"	4.0	1.43	1.33	2.62	1.9		.6	6	0	"
1076	5/22	1635 / 1645	"	4.0	1.39	0.86	2.57	1.2		.6	7	0	"
1077	5/29	1430 / 1440	"	4.0	0.87	1.03	2.57	0.9		.5	6	0	"
1078	6/5	1630 / 1640	"	3.5	0.89	0.79	2.56	0.71		.5 .6	8	0	"
1079	6/12	1610 / 1620	"	3.0	0.63	0.95	2.56	0.60		.5	7	0	"
1080	6/19	1525 / 1530	"	3.0	0.46	0.87	2.52	0.40		.5	7	0	"
1081	6/26	1340 / 1345	ROY-SJOSTEDT	3.0	0.41	0.73	2.49	0.30		.5	6	0	"
1082	7/3	1520 / 1525	SJOSTEDT	2.5	0.33	0.76	2.47	0.25		.5	6	0	"
1083	7/10	1520 / 1525	"	2.5	0.32	0.62	2.46	0.20		.5	6	0	"
1084	7/17	1145 / 1153	ROY	2.5	0.35	0.63	2.46	0.22		.5	6	0	"
1085	7/24	1135 / 1140	BROOK-ROY	2.8	0.32	0.72	2.46	0.23		.5	6	0	"
1086	7/31	1115 / 1125	ROY	2.5	0.21	0.62	2.44	0.13		.5	6	0	"
1087	8/7	1153 / 1157	BROOK	1.7	0.17	0.76	2.43	0.13		.5	5	0	"
1088	8/14	1109 / 1113	"	1.4	0.20	0.60	2.42	0.12		.5	5	0	"
1089	8/21	1127 / 1131	"	1.3	0.15	0.73	2.42	0.11		.5	5	0	"
1090	8/28	1136 / 1141	"	1.3	0.18	0.72	2.42	0.13		.5	6	0	"
1091	9/4	1200 / 1205	SJOSTEDT	1.2	0.15	1.07	2.41	0.16		.5	5	0	"
1092	9/11	1535 / 1540	"	1.2	0.13	0.61	2.40	0.08		.5	5	0	"
1093	9/19	1505 / 1510	"	1.0	0.11	0.64	2.40	0.07		.5	5	0	"
1094	9/25	1125 / 1130	WALTER-SJOSTEDT	1.2	0.11	0.45	2.40	0.05		.5	5	0	"

DISCHARGE MEASUREMENTS OF TOPANGA CREEK

~~AT~~ NEAR above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 59

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1095	10/2	1235 / 1240	SJOSTEDT	1.2	0.12	0.58	2.40	0.07		.5	5	0	FC50
1096	10/9	1525 / 1530	"	1.2	0.12	0.50	2.41	0.06		.5	5	0	"
1097	10/16	1510 / 1515	WALTER-SJOSTEDT	1.2	0.06	0.50	2.38	0.03		.5	5	0	"
1098	10/23	1510 / 1515	SJOSTEDT	1.2	0.11	0.63	2.40	0.07		.5	5	0	"
1099	10/30	1230 / 1235	PETERSEN-SJOSTEDT	1.2	0.11	0.73	2.40	0.08		.5	5	0	"
1100	12/4	1050 / 1100	BOWMAN	2.0	0.14	0.43	2.32	0.06		.5	5	0	FC60
1101	1/2	1445 / 1450	SJOSTEDT	1.0	0.09	0.78	2.41	0.07		.5	5	0	FC50
1102	1/6	0750 / 0800	SJOSTEDT-CARABA	19.0	17.0	1.82	3.19	31.0		.6	10	0	FC47
1103	1/6	1619 / 1624	" "	7.0	3.01	1.30	2.76	3.9		.5	8	0	"
1104	1/15	1330 / 1335	SJOSTEDT	1.0	0.08	0.88	2.42	0.07		.5	5	0	FC50
1105	2/11	0600 / 0608	SJOSTEDT-CARABA	24.0	30.3	2.69	3.56	81.4		.6	9	-.02	FC47
1106	2/11	1505 / 1515	CARABA-SJOSTEDT	17.0	10.2	0.74	2.84	7.5		.5 / .6	10	-.01	"
1107	2/13	1655 / 1705	SJOSTEDT	3.5	0.96	0.60	2.51	0.58		.6	8	0	FC50
1108	2/16	0525 / 0536	SJOSTEDT-CARABA	26.0	33.3	3.37	3.82	112.		.6	10	-.05	FC47
1109	2/16	1645 / 1652	" "	26.0	28.0	3.36	3.75	94.1		.6	10	-.04	"
1110	2/17	1223 / 1229	CARABA	14.0	4.20	1.19	2.83	5.0		.5	8	-.01	"
1111	2/19	0910 / 0915	SJOSTEDT	4.3	1.36	1.62	2.62	2.2		.5	6	0	FC50
1112	2/21	0920 / 0930	SJOSTEDT-CARABA	30.0	37.8	4.44	4.06	168.		.6	11	-.05	FC47
1113	2/21	1509 / 1520	SJOSTEDT-CARABA	21.0	13.2	1.76	3.05	23.2		.6	11	0	FC47
1114	2/22	1005 / 1015	" "	14.5	6.00	0.85	2.76	5.1		.5 / .6	10		"
1115	2/26	1328 / 1335	SJOSTEDT	5.0	1.52	0.86	2.62	1.3		.5 / .6	6	0	FC50
1116	3/5	1700 / 1705	"	4.0	0.73	0.55	2.51	0.40		.5	6		"
1117	3/12	1335 / 1340	"	3.0	0.37	0.49	2.42	0.18		.5	5		"
1118	3/19	1400 / 1405	"	2.5	0.33	0.73	2.45	0.24		.5	6		"
1119	3/26	1405 / 1410	"	1.5	0.16	0.81	2.40	0.13		.5	6		"
1120	4/2	1125 / 1130	"	1.2	0.14	0.71	2.42	0.10		.5	5		"
1121	4/9	1515 / 1520	"	1.2	0.11	0.82	2.41	0.09		.5	5		"
1122	4/16	1215 / 1220	"	1.2	0.10	0.80	2.40	0.08		.5	5		"
1123	4/23	1115 / 1120	"	1.2	0.10	0.70	2.41	0.07		.5	5		"
1124	4/30	1420 / 1425	"	0.90	0.09	0.78	2.42	0.07		.5	4		"
1125	5/7	1535 / 1540	"	1.2	0.10	0.60	2.40	0.06		.5	5		"
1126	5/14	1450 / 1455	"	1.0	0.08	0.75	2.39	0.06		.5	5	0	"
1127	5/21	0855 / 0900	"	1.0	0.07	0.71	2.38	0.05		.5	5		"
1128	5/28	1310 / 1315	"	1.0	0.07	0.57	2.36	0.04		.5	5	0	"
1129	6/25	1130 / 1134	BOWMAN	1.0	0.06	1.00	2.35	0.06	FLOATS	3			

78D74M Cdb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F54-R

Daily discharge, in second-feet of TOPANGA CREEK above Mouth of Canyon for the year ending September 30, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	b 0.01	0.04	0.04	0.1	0.6	8.7	14.8	4.2	0.9	0.3	0.1	0.2
2	0.01	0.1	0.05	0.1	4.4	7.1	.64	3.8	0.9	0.3	0.1	0.2
3	0.01	0.1	0.04	0.1	106	5.9	599	3.8	0.9	0.2	0.1	0.2
4	0.01	0.05	0.1	0.1	179	4.7	91	3.4	0.8	0.2	0.1	0.2
5	0.01	0.1	1.0	0.1	26	4.2	57	3.4	0.7	0.2	0.1	0.2
6	0.02	0.05	0.3	0.1	11	4.4	92	3.4	0.6	0.2	0.1	0.1
7	0.02	0.04	0.2	0.1	7.4	3.8	136	3.2	0.7	0.2	0.1	0.1
8	0.02	0.04	0.1	0.1	6.2	2.7	57	2.5	0.7	0.2	0.1	0.1
9	b 0.02	0.04	0.1	0.1	5.0	2.3	41	2.3	0.6	0.2	0.1	0.1
10	0.02	0.05	b 0.1	0.1	4.2	1.8	29	2.3	0.6	0.2	0.1	0.1
11	0.1	0.05	0.1	0.1	3.4	2.2	24	2.5	0.6	0.2	0.1	0.1
12	0.04	0.05	0.1	0.1	2.8	1.5	22	2.5	0.6	0.2	0.1	0.1
13	0.1	0.05	0.1	0.1	2.2	1.5	19	2.2	0.6	0.2	0.1	0.1
14	0.2	0.05	0.1	0.1	2.1	12	16	2.1	0.5	0.2	0.1	0.1
15	0.05	0.05	27	0.1	2.1	8.8	13	2.1	0.5	0.2	0.1	0.1
16	0.05	0.05	19	0.1	1.9	330	12	1.8	0.6	0.2	0.1	0.1
17	0.04	0.05	26	0.1	1.8	42	10	1.8	0.5	0.2	0.1	0.1
18	0.04	0.04	1.0	0.1	1.8	26	9.1	1.7	0.4	0.2	0.1	0.1
19	0.04	0.04	0.5	0.1	424	19	8.2	1.5	0.4	0.2	0.1	0.1
20	0.04	0.04	0.3	0.05	37	24	7.1	1.5	0.3	0.2	0.1	0.1
21	0.04	0.02	0.2	0.1	19	33	6.8	1.7	0.2	0.2	0.1	0.1
22	0.02	0.02	0.1	0.1	14	74	6.5	1.3	0.3	0.2	0.1	0.1
23	0.02	0.02	0.1	0.1	12	b 21	5.3	1.3	0.2	0.2	0.1	0.1
24	0.02	0.02	0.1	0.1	11	b 19	5.0	1.1	0.2	0.2	0.1	0.1
25	0.02	0.02	0.1	8.0	231	b 17	5.0	1.0	0.3	0.2	0.1	0.05
26	0.02	0.04	0.1	31	26	14	5.0	0.9	0.3	0.2	0.1	0.04
27	0.01	0.04	0.1	2.3	15	56	4.4	1.0	0.3	0.2	0.1	0.05
28	0.01	0.04	0.1	1.3	11	29	4.7	0.8	0.3	0.2	0.1	0.05
29	0.01	0.04	0.1	0.9		b 27	4.4	0.8	0.3	0.1	0.1	0.05
30	0.01	0.04	0.1	0.8		25	4.4	0.9	0.4	0.1	0.1	0.1
31	0.04		0.1	0.7		b 23		0.9		0.1	0.1	
	1.07		77.43		1137.9		1475.9		15.2		3.1	
		1.38		47.35		929.8		63.7		6.1		3.24
MEAN	0.03	0.05	2.50	1.53	41.2	30.0	49.7	2.05	0.51	0.20	0.10	0.11
ACRE-FEET	2.1	2.7	154.	94.	2260.	1840.	2930.	126.	30.	12.	6.1	6.4

Remarks:

YEAR OR PERIOD MEAN 10.4
ACRE-FEET 7460.

76D74M C6b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

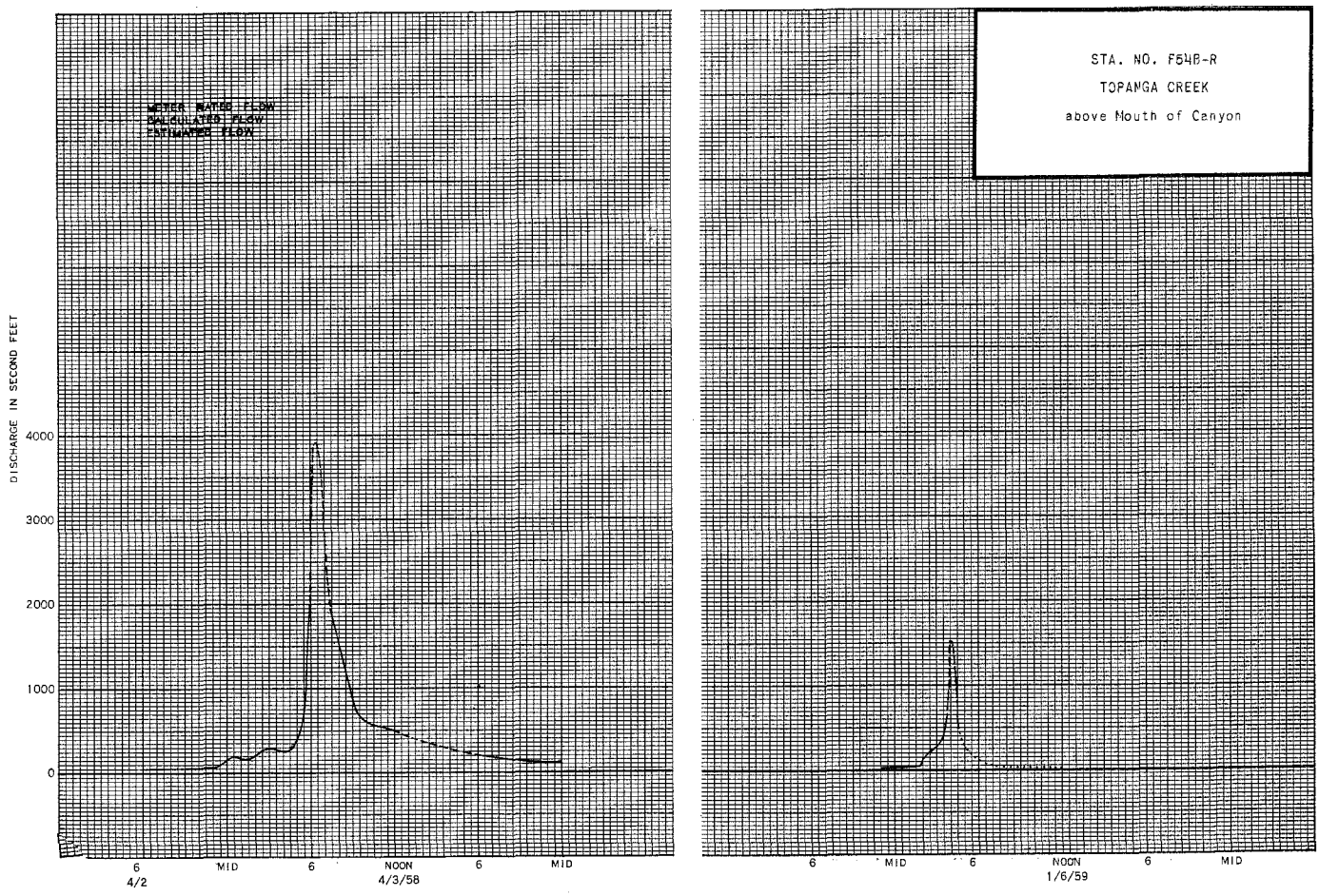
Sta. No. F54B-R

Daily discharge, in second-feet of TOPANGA CREEK above Mouth of Canyon for the year ending September 30, 19 59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.07	0.07	b 0.07	0.07	0.04	0.8	b 0.1	0.05	0.04	0.05	0.04	0.02
2	0.07	b 0.07	0.07	0.07	0.04	b 0.7	0.1	0.05	0.04	0.05	0.04	0.02
3	0.05	0.07	0.07	0.07	0.04	b 0.6	0.1	0.2	0.04	0.05	0.04	0.02
4	0.04	0.07	0.07	0.07	0.05	b 0.6	0.1	0.1	0.05	0.04	0.04	0.02
5	0.05	b 0.07	0.07	0.2	0.05	0.5	0.2	0.07	b 0.05	0.04	0.04	0.02
6	0.07	0.07	0.07	85	0.05	0.5	0.2	0.07	0.05	0.04	0.04	0.02
7	0.07	0.1	0.07	b 1.7	0.2	0.5	0.2	0.07	0.06	0.04	0.04	0.02
8	0.07	0.1	0.07	1.0	3.5	0.5	0.1	0.07	0.06	0.02	0.04	0.02
9	0.07	0.1	0.07	b 0.6	0.8	0.5	0.1	0.07	0.07	0.02	0.04	0.02
10	0.1	0.1	0.07	0.3	0.6	0.5	0.1	0.07	b 0.07	0.02	0.02	0.02
11	0.1	0.3	0.07	0.2	71	0.2	0.07	0.07	0.07	0.02	0.02	0.02
12	0.1	0.1	0.07	0.2	1.7	0.2	0.07	0.07	0.07	0.02	0.02	0.02
13	0.07	0.1	0.07	0.1	0.6	0.5	0.07	0.07	0.07	0.02	0.02	0.02
14	0.07	0.1	b 0.07	b 0.07	0.2	0.5	0.07	0.07	0.1	0.02	0.02	0.02
15	0.05	0.1	0.07	0.07	0.2	0.2	0.07	0.05	0.07	0.02	0.02	0.02
16	0.04	0.07	0.07	0.07	141	0.2	0.07	0.04	0.05	0.02	0.02	0.02
17	0.04	0.07	0.07	0.07	6.9	0.2	0.07	0.05	0.05	0.02	0.02	0.02
18	0.04	0.07	0.07	0.07	2.3	0.2	0.07	0.05	0.05	0.04	0.02	0.02
19	0.05	0.07	0.07	0.1	2.1	0.2	0.07	0.05	0.07	0.04	0.02	0.02
20	0.05	0.07	0.07	0.1	1.5	0.2	0.04	0.05	0.07	0.04	0.02	0.02
21	0.07	0.07	0.07	0.1	28	0.2	0.05	0.04	0.07	0.04	0.02	0.02
22	0.07	0.07	0.07	0.1	5.0	0.2	0.07	0.05	0.07	0.04	0.02	0.02
23	0.07	0.07	0.07	0.1	2.5	0.2	0.07	0.05	0.07	0.04	0.02	0.02
24	0.07	0.07	0.07	0.1	1.9	b 0.2	0.07	0.05	0.07	0.04	0.02	0.02
25	0.07	0.07	0.07	0.1	1.6	b 0.2	0.9	0.07	0.05	0.04	0.02	0.02
26	0.07	0.07	0.07	0.07	1.3	0.2	1.2	0.07	0.05	0.04	0.02	0.04
27	0.07	0.07	0.07	0.07	0.9	0.2	0.2	0.05	0.05	0.04	0.02	0.04
28	0.07	0.07	0.1	0.05	0.8	0.1	0.07	0.05	0.1	0.04	0.02	0.04
29	0.07	0.07	0.1	0.05		0.1	0.05	0.05	0.07	0.04	0.02	0.04
30	0.07	b 0.07	0.07	0.04		2.0	0.05	0.04	0.05	0.04	0.02	0.04
31	0.07		0.07	0.04		b 0.1		0.04		0.04	0.02	
	2.04	2.57	2.23	90.95	274.77	12.0	4.70	1.95	1.85	1.07	0.80	0.70
MEAN	0.07	0.09	0.07	2.93	9.81	0.39	0.16	0.06	0.06	0.03	0.03	0.02
ACRE-FEET	4.0	5.1	4.4	180.	545.	24.	9.3	3.9	3.7	2.1	1.6	1.4

Remarks:

YEAR OR PERIOD MEAN 1.08
ACRE-FEET 785.



STATION F252-R
VERDUGO CHANNEL at Estelle Avenue

LOCATION: WATER-STAGE RECORDER, LAT. 34°09'23", LONG 118°16'23", ON THE RIGHT (NORTH) SIDE OF CHANNEL AT ESTELLE AVENUE, 800 FEET EAST OF SAN FERNANDO ROAD AND ABOUT TWO MILES NORTHWEST OF GLENDALE. ELEVATION OF ZERO GAGE HEIGHT, 464.78 FEET ABOVE MEAN SEA LEVEL.

DRAINAGE AREA: 22.4 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - RECTANGULAR CONCRETE, 86 FEET WIDE BY 11 FEET DEEP TO BOTTOM OF INVERT. INVERT IS ONE FOOT BELOW BOTTOM OF VERTICAL SIDE WALLS. CHANNEL FORMS CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING; HIGH FLOWS MEASURED FROM HIGHWAY BRIDGE UPSTREAM 850 FEET.

RECORDER: A STEVENS TYPE A-35B RECORDER WAS IN SERVICE FROM OCTOBER 1, 1957 TO SEPTEMBER 30, 1959.

REGULATION: FLOW PARTIALLY REGULATED BY VERDUGO AND OTHER DEBRIS BASINS.

DIVERSIONS: SEVERAL DIVERSIONS FOR DOMESTIC WATER SUPPLY AND IRRIGATION.

RECORDS AVAILABLE: DECEMBER 2, 1935 TO SEPTEMBER 30, 1959. FOR EARLIER RECORDS SEE STATION F9-R, VERDUGO AT GLEN OAKS BOULEVARD, AND F244-R, VERDUGO AT DON CARLOS STREET.

EXTREMES OF DISCHARGE:

1957-58
MAXIMUM 1700 SECOND-FEET FEBRUARY 19.
MINIMUM NO FLOW AT VARIOUS TIMES.

1958-59
MAXIMUM 2080 SECOND-FEET FEBRUARY 16.
MINIMUM NO FLOW AT VARIOUS TIMES.

1935-59
MAXIMUM 4400 SECOND-FEET ESTIMATED MARCH 2, 1938.
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: FAIR.

OPERATION: LOCATED AND CONSTRUCTED BY CORPS OF ENGINEERS, DEPARTMENT OF THE ARMY, AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT IN COOPERATION WITH THE CORPS OF ENGINEERS, DEPARTMENT OF THE ARMY.

TEDT4M C4b 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F252-R

Daily discharge, in second-feet of VERDUGO CHANNEL at Estelle Street, for the year ending September 30, 19 59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	+	0	0	+	+	173	+	+	+	0.1	+
2		17.0	+	+	7.1	+	4.6			+	+	
3		0.6	+		205	0	171			0.1		
4		+	12.1		236	0	11.2			+		
5		3.7	7.2		15	+	1.0					
6		+	+		0.2	5.8	67					
7	+	0	0		0.1	+	87					
8	0.2	+	0		1.6	0	2.3					
9	0.1	0	+	+	0.1	+	1.0			+		
10	0	0	0	0.3	+	1.6	0.5			0.1		
11	11.3	0	0	+	+	1.1	0.2			0.1		
12	+	+	+		0.5	3.6	0.2			+	+	
13	e 5.1	0	0		0.1	2.1	0.2				0.1	
14	e 3.8	0	0	+	+	0.2	0.1				+	
15	0	+	10.2	0.2	+	67	0.1				0.6	
16	+	+	20	+	+	90	0.1				+	
17	0	0	4.6		+	2.1	0.2			+	+	
18	0	+	+		0.1	0.1	0.2			0.1	+	
19	0		+		19.1	0.1	0.1			+	0.1	
20	0.3		+		0.2	17	0.1				0.1	
21	0.8		0	+	0.1	3.8	+				0.1	+
22	0		0	0.1	0.1	2.8					0.1	+
23	+		+	+	0.1	0.1					+	0.8
24			0	0.4	0.1	0.1					+	+
25			0	3.9	4.2	0.1		+			+	
26		+	0	4.9	0.1	0.1		0.1			0.1	
27		0	+	0.1	+	4.3		+			+	
28		0.1	+	+	+	0.1						
29		0.1	+			0.1						
30	+	+	0	e 1.0		1.9	+		+			+
31	1.3		+	0.1		1.0		+		+	+	
	22.9		252.1		686.0		520.1		+		1.3	
		21.5		90.0		303.2		0.1		0.4		0.8
MEAN	0.74	0.72	8.13	2.90	24.5	9.78	17.3	+	+	0.01	0.04	0.03
ACRE-FEET	45.	43.	500.	179.	1360.	601.	1031.	0.2	+	0.8	2.6	1.6

Remarks: + = 0.5 CFS OR LESS

YEAR OR PERIOD MEAN 5.20
ACRE-FEET 3770.

74D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

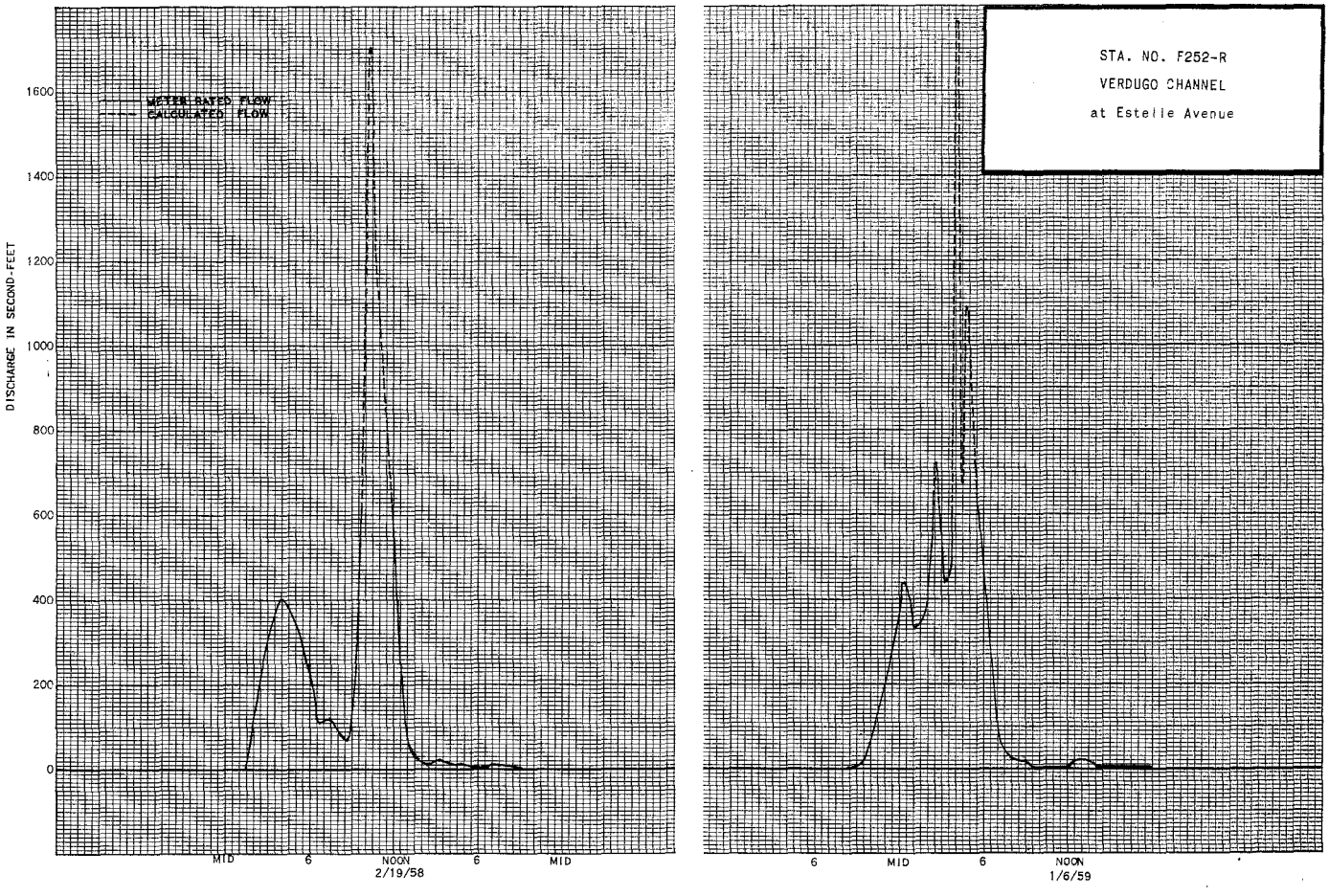
Sta. No. F252-R

Daily discharge, in second-feet of VERDUGO CHANNEL at Estelle Avenue for the year ending September 30, 1959

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	+	+	+	+	+	+	+	+	+	+	+
2					+					+		+
3					0.2					0.1		+
4	+			+	0.1					0.1		0.1
5	0.1			21	1.2					+		+
6	0.1			161	1.2							0.1
7	+			+	1.2							+
8	+			+	40							0.1
9	+			+	0.7					+		0.1
10	0.4			0.1	2.9					0.1		0.1
11	+	+		+	194					+		0.1
12		0.3		0.1	1.2				+			0.1
13		+		+	3.3				0.1			0.1
14			+		0.2				+			0.1
15			0.1		3.8							+
16			+		232	+						
17					0.5	0.1		+				
18				+	1.6	0.1		0.1	+			
19				0.1	0.1	+		0.1	0.1			
20				+	0.1			0.1	0.1			
21					32		+	+	0.1	+		+
22					0.1		0.1		+	0.1		0.1
23	+				+	+	0.2		+	+		0.1
24	11.8					0	+		0.1	0.1		0.1
25	1.5					+	7.2		0.1	+		0.1
26	+						0.7		0.1	0.1		0.1
27	+						0.1		0.1	0.1		0.1
28	+				+		+		0.1	+		+
29	0.1						+		0.1			+
30	+	+				+	+		0.1			+
31	+		+	+		0.1		+		+	+	
	14.0		0.1		516.4		8.3		1.1		+	
		0.3		182.3		0.3		0.3		0.7		1.5
MEAN	0.45	0.01	+	5.88	18.4	0.01	0.28	0.01	0.04	0.02	+	0.05
ACRE-FEET	28.	0.6	0.2	362.	1020.	0.6	16.	0.6	2.1	1.4	+	3.0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 1.99
ACRE-FEET 1440.



STATION F304-R
WALNUT CREEK at Puente Avenue

LOCATION: WATER-STAGE RECORDER, LAT. 34°03'59". LONG. 117°57'57", ON THE LEFT (SOUTH) DOWNSTREAM WING WALL OF PUENTE AVENUE BRIDGE. ELEVATION OF ZERO GAGE HEIGHT 329.77 FEET ABOVE MEAN SEA LEVEL.

DRAINAGE AREA: 57.6 SQUARE MILES OF WHICH 32.3 SQUARE MILES ARE CONTROLLED BY PUDDINGSTONE DAM.

CHANNEL AND CONTROL: CHANNEL - EARTH, SAND AND GRAVEL WITH PIPE AND WIRE PROTECTING EARTH LEVEES. NO ARTIFICIAL CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING; HIGH FLOWS MEASURED FROM UPSTREAM SIDE OF PUENTE AVENUE BRIDGE.

RECORDER: AN AU RECORDER WAS IN SERVICE FROM OCTOBER 1, 1957 TO SEPTEMBER 30, 1959.

REGULATION: FLOW PARTIALLY REGULATED BY SAN DIMAS DAM, PUDDINGSTONE DIVERSION DAM, PUDDINGSTONE DAM AND LIVE OAK DAM. IRRIGATION COMPANIES AT TIMES SPREAD SAN GABRIEL RIVER WATER FROM THE COVINA CANAL IN WALNUT CREEK.

DIVERSIONS: SEVERAL DIVERSIONS FOR IRRIGATION AND DOMESTIC USE.

RECORDS AVAILABLE: OCTOBER 14, 1952 TO SEPTEMBER 30, 1959. SEE STATION F47-R, WALNUT CREEK AT COVINA BOULEVARD, FOR PREVIOUS RECORDS.

EXTREMES OF DISCHARGE:
1957-58
MAXIMUM 2510 SECOND-FEET APRIL 7.
MINIMUM NO FLOW MOST OF YEAR.
1958-59
MAXIMUM 2480 SECOND-FEET JANUARY 6.
MINIMUM NO FLOW MOST OF YEAR.
1952-59
MAXIMUM 3450 SECOND-FEET JANUARY 26, 1956.
MINIMUM NO FLOW MOST OF EACH YEAR.

ACCURACY: GOOD.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF WALNUT CREEK

AT Puente Avenue NEAR DURING THE YEAR ENDING SEPTEMBER 30, 19 58

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
296	10/11	0920 / 0938	MIDDLETON	26.0	15.0	2.31	0.93	34.6		.6	14	-.06	FC54
297	10/11	1452 / 1502	MIDDLETON-SARASUA	41.5	51.2	4.26	2.31	218.		.6	16	-.10	"
298	10/11	1910 / 1920	" "	42.0	38.1	3.39	1.92	129.		.6	16	-.09	"
299	10/13	2150 / 2200	" "	32.0	16.4	2.05	1.48	33.6		.6	13	+.16	"
300	10/14	0232 / 0235	" "	41.5	41.3	3.61	2.00	149.		.6	16	-.02	"
301	10/14	1055 / 1100	" "	9.0	2.24	0.88	1.12	1.9		.5 .6	9	0	"
302	10/31	0840 / 0900	SARASUA	21.0	3.03	0.63	1.12	1.9		.5	15	-.04	FC34
303	11/3	0225 / 0240	MIDDLETON-TREAT	38.0	12.8	1.15	1.36	14.7		.6	15	-.03	FC54
304	12/5	0050 / 0130	SARASUA-MC BRIDE	42.0	43.6	2.98	1.95	130.		.6	19	+.13 -.06	"
305	12/5	0140 / 0200	" "	42.0	41.0	3.10	1.99	127.		.6	15	-.03	"
306	12/5	0307 / 0323	" "	42.0	51.4	3.58	2.25	184.		.6	10	-.18	"
307	12/5	1435 / 1500	SARASUA-FALCONE	42.0	23.1	1.68	1.59	38.9		.6	22	+.42	"
308	12/5	1521 / 1525	" "	43.0	63.6	4.75	2.58	302.		.6	11	+.05	"
309	12/5	1608 / 1630	" "	47.0	84.5	5.66	2.72	478.		.6	13	-.05	"
310	12/15	0630 / 0637	SARASUA-MC BRIDE	41.0	45.3	3.84	2.23	174.		.6	15	-.02	"
311	12/15	0640 / 0653	" "	43.0	52.7	4.31	2.23	227.		.6	15	-.03	"
312	12/15	0944 / 1000	" "	45.0	70.0	4.94	2.57	346.		.6	13	+.05	"
313	12/15	1030 / 1047	" "	48.0	129.	6.95	3.58	896.		.6	13	+.40	"
314	12/15	1613 / 1625	TREAT-LITCHFIELD	42.0	26.2	2.26	1.80	59.2		.6	16	-.04	FC45
315	12/15	1824 / 1837	" "	42.0	25.5	2.31	1.78	59.0		.6	15	-.05	"
316	12/15	2108 / 2122	" "	41.0	14.6	1.18	1.53	17.3		.6	16	-.02	"
317	12/16	0853 / 0910	SARASUA-MC BRIDE	42.0	20.1	1.89	1.69	37.9		.6	17	-.01	FC54
318	12/16	1507 / 1518	" "	43.5	41.7	3.33	2.13	139.		.6	15	-.07	"
319	12/16	1544 / 1558	SARASUA-MC BRIDE	42.5	33.7	2.71	1.96	91.4		.6	16	-.05	FC54
320	12/16	1712 / 1726	" "	42.5	21.6	2.05	1.72	44.3		.6	14	-.04	"
321	12/17	0230 / 0250	" "	52.5	162.	6.13	4.35	994.		.6	11	-.59	"
322	12/17	0750 / 0810	SARASUA	44.0	19.0	1.90	1.89	36.1		.6	14	-.06	"
323	12/17	1448 / 1500	"	9.0	3.04	0.95	1.45	2.9		.5	10	0	"
324	1/25	2225 / 2240	TREAT-LITCHFIELD	48.0	66.8	5.64	2.85	377.		.6	13	-.06	FC45
325	1/26	0015 / 0030	" "	46.0	61.5	4.52	2.67	278.		.6	13	+.01	"
326	1/26	0220 / 0245	" "	47.0	78.0	5.55	3.11	432.		.6	13	-.08	"
327	1/26	0440 / 0450	" "	46.0	53.7	3.84	2.61	206.		.6	14	+.30	"
328	1/26	0645 / 0700	" "	47.0	86.9	5.60	3.42	486.		.6	13	-.16	"
329	1/26	0917 / 0930	SARASUA-PITTS	46.0	44.7	3.28	2.44	146.		.6	18	-.08	FC43
330	1/26	1045 / 1100	" "	45.5	28.8	2.23	2.09	64.4		.6	18	-.06	"
331	2/2	2230 / 2240	TREAT-LITCHFIELD	17.0	5.51	1.38	1.73	7.6		.6	9	-.04	FC45
332	2/2	2313 / 2320	" "	13.0	3.85	1.19	1.67	4.6		.6	8	-.02	"
333	2/2	2340 / 2345	" "	11.0	2.96	0.89	1.61	2.6		.6	7	-.02	"
334	2/3	0540 / 0655	" "	45.0	36.9	3.11	2.34	115.		.6	17	+.02	"
335	2/3	0835 / 0845	" "	45.0	32.8	2.88	2.26	94.6		.6	17	-.03	"
336	2/3	1325 / 1340	" "	47.0	67.9	4.58	2.95	311.		.6	11	-.15	"
337	2/3	1420 / 1430	" "	45.0	49.0	3.22	2.50	158.		.6	14	-.05	"
338	2/4	0025 / 0040	" "	48.0	86.9	5.21	3.44	453.		.6	11	-.16	"
339	2/4	0435 / 0455	" "	51.0	133.	6.10	4.09	812.		.6	13	+.22	"
340	2/4	0720 / 0730	" "	47.0	64.4	4.73	3.04	305.		.6	11	-.08	"
341	2/4	1550 / 1600	" "	45.0	47.0	3.78	2.76	178.		.6	10	-.02	"

DISCHARGE MEASUREMENTS OF WALNUT CREEK

AT Puente Avenue DURING THE YEAR ENDING SEPTEMBER 30, 19 66

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATINGS	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
342	2/5	1850 / 1902	SARASUA	7.0	1.34	1.04	1.82	1.4		.5	7	0	FC49
343	2/19	0455 / 0505	TREAT-LITCHFIELD	47.0	63.4	4.59	3.01	291.		.6	11	+.22	FC45
344	2/19	0740 / 0750	" "	47.0	67.8	4.88	3.18	331.		.6	11	+.06	"
345	2/19	1035 / 1055	" "	51.0	117.	6.00	4.15	701.		.6	12	-.20	"
346	2/19	1450 / 1500	" "	51.0	120.	6.69	4.51	803.		.6	12	-.47	"
347	2/25	0410 / 0420	TREAT-VITA	40.0	19.8	1.88	2.45	37.2		.6	12	-.38	"
348	2/25	0630 / 0650	" "	52.0	139.	6.80	4.65	945.		.6	12	+.10	"
349	2/25	0845 / 0905	" "	49.0	75.0	4.92	3.41	369.		.6	12	-.18	"
350	2/25	1130 / 1140	" "	45.0	28.4	2.55	2.49	72.3		.6	12	-.02	"
351	2/25	1745 / 1755	SARASUA-PITTS	25.5	5.39	0.83	2.03	4.5		.6	9	0	FC43
352	3/6	1622 / 1633	SARASUA-EVANS	47.0	27.6	2.38	2.52	66.1		.6	15	+.05	"
353	3/6	1726 / 1735	" "	47.0	42.6	3.18	2.79	135.		.6	16	+.06	"
354	3/6	1950 / 2000	TREAT-VITA	45.0	25.8	2.44	2.48	63.1		.6	13	-.04	FC45
355	3/6	2130 / 2150	" "	43.0	12.7	1.17	2.21	14.9		.6	11	-.04	"
356	3/15	1635 / 1645	TREAT-LITCHFIELD	47.0	34.2	2.66	2.59	91.0		.6	12	+.02	"
357	3/15	1810 / 1820	" "	47.0	29.4	2.34	2.53	68.8		.6	11	0	"
358	3/16	0100 / 0125	" "	54.0	201.	7.27	5.67	1460.		.6	13	0	"
359	3/16	0410 / 0435	" "	53.0	152.	6.42	5.00	976.		.6	12	-.40	"
360	3/16	0710 / 0720	" "	42.0	48.0	3.89	3.08	187.		.6	15	-.08	"
361	3/16	1439 / 1456	SARASUA-PITTS	27.5	11.8	1.33	2.30	15.6		.6	12	-.01	FC43
362	3/20	1845 / 1900	TREAT-LITCHFIELD	46.0	39.4	2.84	2.99	112.		.6	13	+.04	FC45
363	3/20	2040 / 2055	" "	51.0	78.1	4.54	3.55	355.		.6	12	0	"
364	3/20	2325 / 2355	" "	46.0	45.8	3.19	2.92	146.		.6	13	-.04	"
365	3/22	0135 / 0150	" "	51.0	124.	6.36	4.56	789.		.6	12	+.38	"
366	3/22	1225 / 1235	SARASUA-PITTS	20.0	6.20	1.39	2.32	8.6		.6	12	0	FC43
367	3/27	1345 / 1355	TREAT-LITCHFIELD	46.0	54.2	3.62	3.23	196.		.6	12	-.08	FC45
368	3/27	1650 / 1705	" "	45.0	26.2	2.10	2.66	55.1		.6	14	0	"
369	3/27	1905 / 1920	" "	44.0	18.8	1.72	2.62	32.3		.6	14	-.04	"
370	3/31	1645 / 1700	SARASUA	38.5	15.2	1.03	2.50	15.5		.6	13	-.02	FC43
371	4/1	0235 / 0245	TREAT-LITCHFIELD	44.0	27.6	2.33	2.78	64.3		.6	13	0	FC45
372	4/1	0505 / 0520	" "	44.0	19.6	1.73	2.62	33.8		.6	13	+.04	"
373	4/1	0855 / 0910	" "	52.0	144.	6.78	5.20	970.		.6	12	-.20	"
374	4/1	1150 / 1205	" "	52.0	130.	6.67	4.77	867.		.6	12	+.14	"
375	4/1	1450 / 1500	" "	52.0	85.8	5.20	3.93	445.		.6	12	-.14	"
376	4/2	0912 / 0922	SARASUA	18.0	4.63	1.30	2.32	6.0		.6	9	0	FC43
377	4/3	0310 / 0325	TREAT-LITCHFIELD	46.0	43.9	3.26	3.12	143.		.6	14	0	FC45
378	4/3	0535 / 0555	" "	52.0	113.	5.66	4.42	640.		.6	12	+.14	"
379	4/3	0925 / 0945	" "	52.0	129.	6.17	4.97	796.		.6	12	-.26	"
380	4/3	1210 / 1220	" "	48.0	58.6	3.07	3.46	180.		.6	12	-.08	"
381	4/3	1502 / 1510	" "	45.0	27.2	2.32	2.87	63.0		.6	12	-.02	"
382	4/6	1202 / 1216	SARASUA-FALCONE	45.5	78.1	4.60	3.90	359.		.6	20	+.19	FC43
383	4/6	1240 / 1250	" "	48.5	97.2	4.46	4.44	532.		.6	12	+.07	"
384	4/6	1436 / 1500	" "	48.0	59.9	3.90	3.58	234.		.6	23	-.31	"
385	4/6	1500 / 1532	FALCONE-SARASUA	48.0	43.4	3.39	3.22	147.		.6	23	-.21	"
386	4/7	0405 / 0420	TREAT-LITCHFIELD	50.0	68.0	3.98	3.54	271.		.6	12	-.12	FC45
387	4/7	1005 / 1035	" "	52.0	270.	9.18	7.35	2480.		.6	12	+.20	"
388	4/7	1430 / 1445	" "	48.0	58.9	3.58	3.61	211.		.6	14	-.08	"
389	4/8	0800 / 0806	SARASUA	18.5	5.11	1.21	2.52	6.2		.6	11	0	FC43
390	9/22	0837 / 0846	"	14.0	1.16	0.74	2.41	1.3		.5	13	0	FC49
391	9/24	0800 / 0812	"	15.0	2.23	1.08	2.46	2.4		.6	16	0	"
392	10/20	0835 / 0843	SARASUA	3.5	0.55	0.91	2.38	0.53		.6	8	0	FC49
393	10/24	1905 / 1917	"	48.0	51.3	3.45	3.53	177.		.6	14	-.22	FC43
394	10/25	0840 / 0848	"	17.0	4.44	1.17	2.46	5.2		.6	11	-.01	"
395	10/26	1214 / 1218	"	2.8	0.22	0.59	2.27	0.13		.5	7	0	FC49
396	11/12	0830 / 0838	"	11.0	2.00	1.15	2.42	2.3		.6	11	0	FC43
397	11/15	1020 / 1028	"	10.8	2.09	1.10	2.43	2.3		.6	11	0	FC49
398	11/24	1002 / 1012	"	10.8	1.96	1.07	2.44	2.1		.6	14	0	"
399	11/28	1102 / 1110	"	10.7	2.33	0.94	2.45	2.2		.6	10	-.01	"
400	12/4	1508 / 1512	"	2.5	0.40	0.18	2.33	0.07		.6	6	0	"
401	12/11	1505 / 1508	"	2.7	0.42	0.38	2.36	0.16		.5	7	0	"
402	12/29	1054 / 1108	"	9.3	2.88	1.04	2.48	3.0		.6	19	0	"
403	1/2	1630 / 1638	"	8.9	0.99	0.66	2.36	0.65		.6	11	0	"
404	1/6	0045 / 0100	SARASUA-MC BRIDE	48.5	65.4	3.78	3.82	247.		.6	15	+.06	FC54
405	1/6	0245 / 0315	TREAT-LITCHFIELD	51.0	112.	6.20	4.69	695.		.6	12	+.08	FC45
406	1/6	0715 / 0730	" "	51.0	122.	4.96	4.86	605.		.6	12	-.48	"
407	1/6	1033 / 1048	" "	44.0	27.2	2.61	3.03	70.9		.6	16	-.06	"
408	1/6	1310 / 1320	LITCHFIELD-TREAT	33.0	11.7	1.38	2.70	16.2		.6	12	-.04	"
409	1/6	1352 / 1407	MC BRIDE-SARASUA	26.5	9.04	1.02	2.61	9.2		.6	16	-.02	FC54
410	1/6	1508 / 1520	LITCHFIELD-TREAT	26.0	6.67	0.84	2.53	5.6		.6	10	-.04	FC45
411	2/8	0735 / 0748	SARASUA	46.5	43.8	3.61	3.44	158.		.6	15	-.01	FC54
412	2/8	0930 / 0945	TREAT-LITCHFIELD	45.0	51.9	3.70	3.53	192.		.6	17	-.04	FC45
413	2/8	1215 / 1227	LITCHFIELD-TREAT	45.0	28.4	2.46	3.01	70.0		.6	17	-.04	"
414	2/8	1453 / 1511	MC BRIDE	31.0	10.2	1.38	2.66	14.0		.6 SURF	18	-.04	FC54
415	2/9	0832 / 0848	SARASUA	2.7	0.65	0.49	2.31	0.32		.5	10	0	FC49
416	2/10	0822 / 0837	"	3.0	0.47	0.83	2.31	0.39		.5	9	0	"
417	2/11	0303 / 0311	LITCHFIELD-TREAT	45.0	30.4	2.78	3.17	84.3		.6	11	+.04	FC45
418	2/11	0610 / 0615	" "	47.0	53.0	3.94	3.63	209.		.6	12	+.06	"
419	2/11	1050 / 1100	" "	44.0	26.5	2.56	3.08	67.8		.6	11	-.03	FC44
420	2/11	1735 / 1745	SARASUA	18.5	3.39	1.05	2.48	4.1		.6	13	0	FC49
421	2/12	0822 / 0832	"	7.2	0.95	0.51	2.40	0.48		.6	9	0	"
422	2/16	0500 / 0510	LITCHFIELD-TREAT	44.0	31.8	3.43	3.22	109.		.6	11	-.01	FC44
423	2/16	0700 / 0708	" "	44.0	32.8	3.03	3.18	99.4		.6	11	-.03	"
424	2/16	1150 / 1200	" "	46.0	53.9	4.04	3.70	218.		.6	12	-.14	"
425	2/16	1922 / 1930	" "	44.0	35.3	3.17	3.25	112.		.6	11	-.03	"
426	2/17	1139 / 1148	MC BRIDE	5.0	0.56	0.63	2.25	0.35		.5	11	0	FC49
427	2/21	1112 / 1120	LITCHFIELD-TREAT	44.0	33.8	2.78	3.19	94.0		.6	11	-.02	FC44
428	2/21	1250 / 1300	" "	44.0	29.5	2.96	3.12	87.3		.6	11	-.02	"
429	2/21	1826 / 1834	SARASUA-MC BRIDE	37.5	6.58	0.99	2.60	6.5		.6	14	0	FC49
430	4/25	2037 / 2047	SARASUA	47.0	46.1	3.46	3.38	160.		.6	13	0	FC54
431	4/25	2302 / 2310	LITCHFIELD-TREAT	44.0	39.2	3.49	3.34	137.		.6	11	+.10	FC44
432	4/26	0130 / 0148	" "	51.0	79.1	4.75	3.96	376.		.6	12	-.22	"

7SD74M C6b 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F304-R

Daily discharge, in second-feet of WALNUT CREEK at Puente Avenue, for the year ending September 30, 19 58

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	1.2	421	0	0	0	0	0
2	0	8.7	0	0	5.2	0	16	0	0	0	0	0
3	0	5.6	0	0	128	0	284	0	0	0	0	0
4	0	1.0	0.2	0	443	0	39	0	0	0	0	0
5	0	18	81	0	14	0	0	0	0	0	0	0
6	0	0.4	1.6	0	+	48	86	0	0	0	0	0
7	0	0	0	0	0	0.5	494	0	0	0	0	0
8	0	0	0	0	+	0	10	+	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	122	0	0	0	0	38	0	0	0	0	0	0
12	14	0	0	0	0	8.6	0	0	0	0	0	0
13	5.3	0	0	0	0	0	0	0	0	0	0	0
14	19	0	0	0	0	0	0	0	0	0	0	0
15	0	0	193	0	0	123	0	0	0	0	17	0
16	0	0	68	0	0	300	0	0	0	0	0	0
17	0	0	148	0	0	2.0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	+	0
19	0	0	0	0	325	0	0	0	0	0	0	+
20	7.1	0	0	0	3.6	67	0	0	0	0	0	0
21	9.2	0	0	0	0	20	0	0	0	0	0	+
22	0	0	0	0	0	153	0	0	0	0	0	|
23	0	0	0	0	0	0	0	0	0	0	0	|
24	0	0	0	0	0	0	0	0	0	0	0	|
25	0	0	0	49	170	0	0	0	0	0	0	|
26	0	0	0	190	+	0	0	0	0	0	0	|
27	0	0	0	+	0	99	0	0	0	0	0	|
28	0	0	0	0	5.1	+	0	0	0	0	+	|
29	0	0	0	0		0	0	0	0	0	0.9	+
30	0	0	0	0		12	0	0	0	0	0	
31	13		0	0		7.0		0		0	0	
	177.0		491.8		10939		1350.		0		17.9	
		33.7		239		879.3		+		0		+
MEAN	5.71	1.12	15.9	7.71	39.1	28.4	45.0	+	0	0	0.58	+
ACRE-FEET	351.	67.	975.	474.	2170.	1740.	2680.	+	0	0	36.	+

Remarks: + = 0.5 CFS OR LESS

YEAR OR PERIOD MEAN 11.7
ACRE-FEET 8490.

7SD74M C6b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

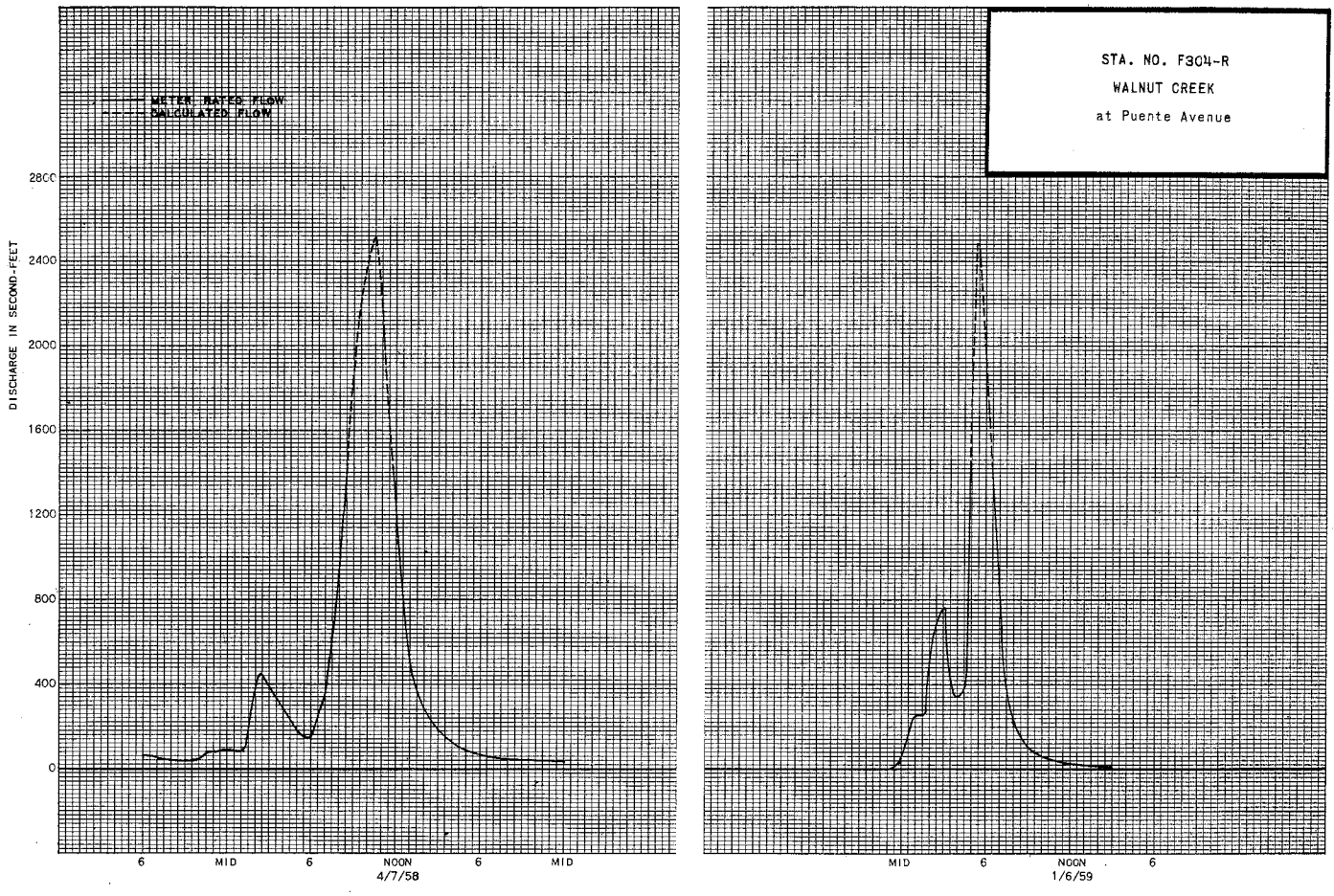
Sta. No. F304-R

Daily discharge, in second-feet of WALNUT CREEK at Puente Avenue, for the year ending September 30, 19 59

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	+	e 1.0	e 3.0	0	0	0	0	0	0	0	0
2	0	0	|	| 1.5	0	0	0	0	0	0	0	0
3	0	0	0.7	| 1.5	0	0	0	0	0	0	0	0
4	+	0	0.5	e 0	0	0	0	0	0	0	0	0
5	0	0	0.5	e 0.5	0	0	0	0	0	0	0	0
6	0	0	0	279	0	0	0	0	0	0	0	0
7	+	0	4.5	0	0	0	0	+	0	0	0	0
8	+	+	2.0	0	56	0	0	+	0	0	0	0
9	0	+	1.0	0	e 0.2	0	0	0	0	0	0	0
10	+	2.7	1.0	0	e 0.2	0	0	0	0	0	0	0
11	0	0.3	1.0	0	108	0	0	0	0	0	0	0
12	0	1.2	1.5	0	11	0	0	0	0	0	0	0
13	+	2.8	1.0	0	0	0	0	0	0	0	0	0
14	0	1.3	3.5	0	0	0	0	0	0	0	0	0
15	0	0.4	2.0	0	0.6	0	0	0	0	0	0	0
16	+	4.2	1.5	0	140	0	0	0	0	0	0	0
17	|	3.1	1.0	0	5.5	0	0	0	0	0	0	0
18	|	0.9	1.0	0	0	0	0	0	0	0	0	0
19	|	1.4		0	0	0	0	0	0	0	0	0
20	+	2.4	0.6	0	0	0	0	0	0	0	0	0
21	0	+	4.0	0	19	0	0	0	0	0	0	0
22	0	+	2.5	0	0	0	0	0	0	0	0	0
23	0	4.5	0	0	0	0	0	0	0	0	0	0
24	1.6	+	0	0	0	0	0	0	0	0	0	0
25	5.9	+	0	0	0	0	37	0	0	0	0	0
26	+	+	0	0	0	0	55	0	0	0	0	0
27	+	4.4	1.5	0	0	0	0	0	0	0	0	0
28	+	2.6	3.0	0	0	0	0	0	0	0	0	0
29	0	+	2.0	0		0	0	0	0	0	0	0
30	0	+	1.5	0		0	0	0	0	0	0	0
31	0		e 2.5	0		0		0		0	0	
	22.6		39.9		340.5		92.0		0		0	
		32.7		285.5		0		+		0		0
MEAN	0.73	1.09	1.29	9.21	12.2	0	3.0	+	0	0	0	0
ACRE-FEET	45.	65.	79.	566.	675.	0	182.	+	0	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 2.23
ACRE-FEET 1610.


METER RATED FLOW
CALCULATED FLOW
DISCHARGE IN SECOND-FEET
2800
2400
2000
1600
1200
800
400
0
6
MID
6
NOON
4/7/58
6
MID
STA. NO. F3014-R
WALNUT CREEK
at Puente Avenue
MID
6
NOON
1/6/59
6

DISCHARGE MEASUREMENTS OF ARROYO SECO F56-S

AT NEAR Avenue 26 DURING THE YEAR ENDING SEPTEMBER 30, 19 56

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATINGS	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
456	10/3	0835 / 0845	BOWMAN	7.0	0.81	1.02		0.83		.5	8		FC53
457	10/10	0805 / 0815	"	9.0	1.33	0.69		0.92		.5	10		"
458	10/17	0841 / 0849	ROY	6.5	0.79	1.16		0.92		.6	8		"
459	10/24	1010 / 1020	BOWMAN	5.5	0.74	1.08		0.80		.5	7		"
460	10/31	0824 / 0832	ROY	7.0	1.09	2.20		2.4		.5 / .6	8		"
461	11/7	0840 / 0850	"	7.5	0.78	1.00		0.78		.5	8		"
462	11/14	0832 / 0842	"	6.5	0.59	1.52		0.90		.5	8		"
463	11/21	1408 / 1418	WOOD-BLAKELY	9.0	0.68	1.06		0.72		.5	10		"
464	11/27	1452 / 1502	WOOD	5.5	0.68	0.84		0.57		.5	9		"
465	12/12	1639 / 1641	"	8.0	0.78	1.26		1.0	FLOATS		5		
466	12/19	0830 / 0833	"	8.0	0.85	1.36		1.6	"		6		
467	12/26	1706 / 1719	"	9.0	1.00	1.10		1.1		.5	9		FC53
468	1/2	1533 / 1543	"	13.0	2.17	0.74		1.6		.5	9		"
469	1/9	0827 / 0835	"	10.0	1.09	0.73		0.85		.5	8		"
470	1/16	0812 / 0820	"	8.0	1.21	0.91		1.1		.5	7		"
471	1/23	0815 / 0825	"	14.5	2.38	1.64		3.9		.5	9		"
472	1/30	1239 / 1240	"	9.0	1.78	2.86		5.1	FLOATS		6		
473	2/6	1612 / 1632	WOOD-TWITTY	19.5	8.55	5.78		49.4		.5 / .6	15		FC57
474	2/6	1636 / 1641	" "	19.5	8.53	5.85		49.8	FLOATS		9		
475	2/13	1254 / 1256	WOOD	12.0	2.20	3.10		6.8		.5	7		FC53
476	2/20	1713 / 1715	WOOD-TWITTY	21.0	9.88	5.94		59.2	FLOATS		7		
477	2/27	1709 / 1711	WOOD	11.0	1.79	3.08		5.5	"		5		
478	3/6	1647 / 1652	"	28.0	15.5	7.10		110.	"		8		
479	3/13	1426 / 1428	"	13.0	2.14	2.85		6.1	"		6		
480	4/10	1505 / 1515	"	18.0	6.39	6.25		39.9		.5	9		FC57
481	4/17	1522 / 1533	"	18.0	5.62	4.25		23.9		.5	9		"
482	4/24	1455 / 1503	"	17.0	5.09	4.05		20.6		.5	9		"
483	5/1	1551 / 1558	"	12.0	2.84	3.88		11.0		.5	7		"
484	5/8	1547 / 1554	"	12.0	2.53	2.88		7.3		.5	9		FC53
485	5/15	1540 / 1542	"	10.0	1.76	3.70		6.5	FLOATS		6		
486	5/22	1515 / 1527	"	10.0	1.22	2.30		2.8		.5	8		FC53
487	5/29	1437 / 1447	"	10.0	1.17	2.56		3.0		.5	8		"
488	6/5	1508 / 1515	"	9.0	1.41	1.63		2.3		.5	8		"
489	6/12	1553 / 1601	"	9.5	1.72	1.28		2.2		.5	8		"
490	6/19	1532 / 1540	"	9.0	1.47	0.95		1.4		.5	6		"
491	6/26	1452 / 1500	"	8.0	2.25	1.06		2.4		.5	9		"
492	7/3	1518 / 1521	"	7.0	1.91	1.10		2.1		.5	8		"
493	7/10	1438 / 1445	"	7.0	0.96	1.56		1.5		.5	6		"
494	7/17	1453 / 1459	"	10.0	1.00	1.20		1.2		.5	6		"
495	7/24	1445 / 1453	"	9.7	1.64	0.92		1.5		.5	8		"
496	7/31	1458 / 1502	"	9.1	1.22	1.15		1.4		.5	8		"
497	8/8	1339 / 1348	"	9.0	2.21	1.31		2.9		.5	7		"
498	8/14	1515 / 1521	"	8.0	1.70	1.00		1.7		.5	7		"
499	8/21	1344 / 1352	"	9.0	1.88	1.01		1.9		.5	8		"
500	8/28	1439 / 1448	"	10.0	1.91	0.94		1.8		.5	9		"
501	9/4	1504 / 1516	"	9.0	2.25	0.71		1.6		.5	8		"
502	9/11	1445 / 1454	"	8.0	1.42	1.20		1.7		.5	9		"
503	9/18	1438 / 1456	WALTER-WOOD	7.5	1.43	1.33		1.9		.5	9		"
504	9/25	1523 / 1533	WOOD	8.0	1.42	0.98		1.4		.5	9		"

DISCHARGE MEASUREMENTS OF ARROYO SECO

AT NEAR Avenue 26 DURING THE YEAR ENDING SEPTEMBER 30, 19 59

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATINGS	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
505	10/2	1450 / 1500	WOOD	9.0	1.81	1.21		2.2		.5	9		FC53
506	10/9	1338 / 1346	"	8.0	1.24	1.21		1.5		.5	9		"
507	10/16	1421 / 1427	"	8.0	1.33	1.05		1.4		.5	7		"
508	10/23	1400 / 1407	"	9.5	1.82	0.99		1.8		.5	7		FC57
509	10/30	1553 / 1558	"	9.0	1.55	1.36		2.1		.5	7		FC53
510	11/6	1415 / 1420	"	7.5	1.09	1.19		1.3		.5	6		"
511	11/13	1505 / 1510	"	8.5	1.31	1.30		1.7		.5	7		"
512	11/20	1448 / 1455	"	9.0	1.35	1.26		1.7		.5	7		"
513	11/26	1540 / 1546	"	6.0	0.90	1.34		1.2		.5	5		"
514	12/4	1135 / 1140	"	7.5	0.84	1.19		1.0		.5	6		"
515	12/11	1320 / 1330	BOWMAN	10.0	0.90	0.99		0.89		.5	7		"
516	12/18	1316 / 1323	WOOD	9.0	1.56	0.77		1.2		.5	7		"
517	12/26	1333 / 1339	"	8.0	1.09	1.10		1.2		.5	7		"
518	1/2	0928 / 0936	BLAKELY	8.0	1.18	0.93		1.1	FLOATS		8		
519	1/8	1232 / 1238	WOOD	10.5	1.71	1.17		2.0		.5	8		FC53
520	1/15	1125 / 1129	"	6.5	0.60	2.00		1.2		.5	5		"
521	1/22	1505 / 1510	"	9.0	0.90	1.44		1.3		.5	6		"
522	1/29	1515 / 1525	"	7.0	0.89	1.24		1.1		.5	6		"
523	2/5	1102 / 1108	"	9.0	1.33	0.90		1.2		.5	7		"
524	2/12	1610 / 1623	WALTER-WOOD	7.8	1.65	1.21		2.0		.5	7		FC57
525	2/19	1235 / 1240	WOOD	8.0	1.06	1.86		2.0		.5	6		"
526	2/29	1450 / 1455	"	8.0	0.98	2.24		2.2		.5	6		FC53
527	3/5	1258 / 1304	"	6.5	1.46	1.16		1.7		.5	6		"
528	3/12	1118 / 1125	"	6.7	1.09	1.38		1.5		.5	6		"
529	3/19	1320 / 1325	"	6.0	0.69	1.30		0.90		.5	5		"
530	3/26	1245 / 1251	"	10.0	2.24	0.80		1.8		.5	6		"
531	4/2	1235 / 1241	"	9.0	1.75	0.86		1.5		.5	6		"
532	4/9	1118 / 1125	"	7.5	1.03	1.16		1.2		.5	6		"
533	4/16	1237 / 1242	"	8.0	1.05	1.24		1.3		.5	6		"
534	4/23	1111 / 1117	"	6.0	1.30	0.92		1.2		.5	7		"
535	4/30	1235 / 1239	"	8.0	1.24	1.61		2.0		.5	6		"
536	5/7	1220 / 1227	"	8.0	0.75	2.00		1.5		.5	6		"
537	5/14	1518 / 1525	BROOK-WOOD	6.6	0.71	0.99		0.70		.5	7		"
538	5/21	1447 / 1452	WOOD	7.0	0.83	1.06		0.88		.5	6		"
539	5/28	1344 / 1347	"	8.0	1.02	0.98		1.0		.5	5		"
540	6/4	1246 / 1251	"	6.5	1.49	0.81		1.2		.5	7		"
541	6/11	1430 / 1445	BROOK	10.0	1.99	0.49		0.97		.5	11		"
542	6/18	1518 / 1526	"	10.5	2.09	0.57		1.2		.5	9		"
543	6/25	1357 / 1403	PETERSEN-WOOD	7.0	1.18	1.27		1.5		.5	5		"
544	7/2	1518 / 1522	WOOD	7.0	1.52	0.92		1.4		.5	5		"
545	7/9	1333 / 1342	"	7.0	1.10	1.45		1.6		.5	8		"
546	7/16	1437 / 1443	"	6.0	1.23	1.06		1.3		.5	6		"
547	7/23	1306 / 1310	"	8.0	1.28	1.17		1.5		.5	5		"
548	7/30	1500 / 1505	"	6.0	1.32	1.21		1.6		.5	6		"
549	8/6	1520 / 1523	"	5.0	1.12	1.07		1.2		.5	5		"
550	8/13	1315 / 1319	"	5.0	1.21	1.16		1.4		.5	6		"
551	8/20	1450 / 1457	"	8.0	1.77	0.79		1.4		.5	7		"
552	8/27	1430 / 1435	"	5.0	0.87	1.15		1.0		.5	6		"
553	9/3	1500 / 1506	"	7.0	0.96	0.92		0.88		.5	7		"
554	9/10	1340 / 1345	"	6.0	0.87	0.76		0.66		.5	6		"
555	9/17	1336 / 1341	"	7.0	0.87	2.42		2.1		.5	6		"
556	9/24	1248 / 1254	"	7.0	0.69	1.02		0.70		.5	7		"

DISCHARGE MEASUREMENTS OF SANTA DITCH F67-S

AT NEAR Head of Pipeline DURING THE YEAR ENDING SEPTEMBER 30, 19 56

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1095	10/3	1437	WADDICOR					0.20		EST.			
1096	10/10	1500	"	3' RECTANGULAR WEIR			0.11	0.36					
1097	10-17	1512	"					0					
1098	10/24	1330	"	3' RECTANGULAR WEIR			0.32	1.8					
1099	10/31	1300	"	"	"	"	C.30	1.6					
1100	11/7	1300	"					0					
1101	11/14	1251	"					0					
1102	11/21	1400	"					0					
1103	11/27	1350	"	3' RECTANGULAR WEIR			0.26	1.3					
1104	12/12	1645	"					0					
1105	12/19	1400	"					0					
1106	1/9		"					0					
1107	1/16	1322	"					0					
1108	1/23	1345	"					2.0		EST.			
1109	1/30	1330	WADDICOR-GARCIA					0					
1110	2/6	1400	WADDICOR					0					
1111	2/13	1555	"					0					
1112	3/20	1150	"					0					
1113	5/8	1055	"					0					
1114	5/15	1055	"	3' RECTANGULAR WEIR			0.76	6.6					
1115	5/22	1800	"	"	"	"	0.80	7.2					
1116	6/5	1100	"	"	"	"	0.62	4.9					
1117	6/12	1345	"	"	"	"	0.66	5.4					
1118	6/19	1445	WADDICOR-BURKE	"	"	"	0.64	7.0					
1119	6/26	1300	WADDICOR	"	"	"	0.74	6.4					
1120	7/3	1645	"	"	"	"	0.69	5.7					
1121	7/10	1420	"	"	"	"	0.54	5.1					
1122	7/17	1230	"	"	"	"	0.71	6.0					
1123	7/24	1730	"	"	"	"	0.65	5.2					
1124	7/31	1140	"	"	"	"	0.64	5.1					
1125	8/7	1315	"	"	"	"	0.64	5.1					
1126	8/14	1250	ROY	"	"	"	0.68	5.6					
1127	8/21	1500	"	"	"	"	0.74	6.4					
1128	8/28	1332	WADDICOR	"	"	"	0.45	5.1					
1129	9/4	1310	"	"	"	"	0.72	6.1					
1130	9/11	1330	"	"	"	"	0.56	5.2					
1131	9/18	1337	"	"	"	"	0.70	5.8					
1132	9/25	1350	"	"	"	"	0.71	6.0					

DISCHARGE MEASUREMENTS OF SANTA DITCH F67-S

AT NEAR Head of Pipeline DURING THE YEAR ENDING SEPTEMBER 30, 19 59

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1133	10/2	1100	WADDICOR	3' RECTANGULAR WEIR			0.68	5.6					
1134	10/9	1115	ROY	"	"	"	0.70	5.9					
1135	10/16	1302	WADDICOR	"	"	"	0.48	3.3					
1136	10/23	1103	"	"	"	"	0.72	6.1					
1137	10/30	1320	WADDICOR-WALTER	"	"	"	0.67	5.5					
1138	11/6	1412	WADDICOR	"	"	"	0.70	5.8					
1139	11/13	1120	"	"	"	"	0.22	1.0					
1140	11/20	1445	"	"	"	"	0.52	3.7					
1141	11/26	1357	"	"	"	"	0.30	4.3					
1142	12/4	1405	"	"	"	"	0.59	4.5					
1143	12/11	1315	"	"	"	"	0.16	0.64					
1144	12/18	1340	"	"	"	"	0.92	8.8					
1145	12/26	1435	"	"	"	"	0.80	7.1					
1146	1/2	1600	"	"	"	"		NO FLOW					
1147	2/5	1415	"	"	"	"		" "					
1148	2/19	1430	"	"	"	"		" "					
1149	3/12	1640	WADDICOR	3' RECTANGULAR WEIR				NO FLOW					
1150	3/19	1620	"	"	"	"		" "					
1151	3/26	1610	"	"	"	"	0.66	5.4					
1152	4/3	1125	"	"	"	"	0.57	4.3					
1153	4/9	1345	"	"	"	"	0.65	5.2					
1154	4/16	1220	"	"	"	"	0.47	3.2					
1155	4/23	1342	"	"	"	"		NO FLOW					
1156	5/1	1130	"	"	"	"	0.63	5.0					
1157	5/7	1245	"	"	"	"	0.55	4.1					
1158	5/14	1312	"	"	"	"	0.70	5.8					
1159	5/21	1330	"	"	"	"	0.70	5.8					
1160	5/28	1458	WADDICOR-LINDSAY					NO FLOW					
1161	6/4	1340	WADDICOR					" "					
1162	6/11	1720	"	3' RECTANGULAR WEIR			0.26	0.50					
1163	6/18	1330	"	"	"	"	0.44	2.9					
1164	6/25	1340	BROOK-WADDICOR					NO FLOW					
1165	7/2	1422	BROOK					" "					
1166	7/9	1346	"					" "					
1167	7/16		"					" "					
1168	7/23	1547	WADDICOR					" "					
1169	7/30	1500	"					" "					
1170	8/6	1500	"					" "					
1171	8/13	1500	"	3' RECTANGULAR WEIR			0.40	2.5					
1172	8/27	1500	"					NO FLOW					
1173	9/3	1435	"	3' RECTANGULAR WEIR			0.25	1.2					
1174	9/10	1530	"					NO FLOW					
1175	9/17	1530	"	3' RECTANGULAR WEIR			0.27	1.4					
1176	9/24	1500	"	"	"	"	0.30	1.6					

DISCHARGE MEASUREMENTS OF PIG ROCK CREEK F171-S

AT NEAR Valyerno Highway DURING THE YEAR ENDING SEPTEMBER 30, 19 56

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
183	10/30	1105 / 1115	BOWMAN	1.2	0.17	0.71		0.12		.5	7		FC59
184	11/6	1210 / 1230	"	CHANNELS				1.0		.5	16		"
185	11/13	1350 / 1400	WHISLER	6.0	1.24	1.61		2.0		.5 GOOD	7		"
186	11/20	1340 / 1345	ROY-WHISLER	6.0	1.07	1.21		1.3		.5	7		"
187	11/27	1326 / 1335	ROY	4.8	0.90	1.22		1.1		.5 GOOD	8		"
188	12/4	1300 / 1310	WHISLER	CHANNELS				1.6		.5	7		"
189	12/11	1338 / 1348	"	9.5	3.14	1.08		3.4		.5 GOOD	11		"
190	12/18	1335 / 1347	"	24.0	17.2	8.17		47.5		.6	10		FC5
191	12/26	1415 / 1422	"	CHANNELS				13.0		.6	9		FC59
192	12/31	1217 / 1229	"		"			11.0		.6	11		"
193	1/8	1345 / 1353	"		"			7.2		.6	10		"
194	1/15	1418 / 1425	WHISLER-MOSES		"			6.6		.5 GOOD	10		"
195	1/22	1325 / 1333	WHISLER		"			6.9		.5 GOOD	10		"
196	1/29	1244 / 1300	"		"			11.3		.5 GOOD	15		"
197	2/7	0954 / 1005	WHISLER-BOWMAN	25.0	19.1	2.70		51.6		.5 GOOD	15		FC41
198	2/8	0900 / 0913	" "	25.0	17.9	2.50		44.9		.5 GOOD	14		"
199	2/12	1000 / 1008	" "	22.0	14.6	2.15		31.4		.5 GOOD	12		"
200	2/21	1004 / 1014	WHISLER	16.5	18.7	3.37		63.1		.6	11		"
201	2/26	1020 / 1032	"	CHANNELS				53.4		.6	10		"
202	3/5	1302 / 1312	"		"			31.8		.6	10		"
203	3/12	1300 / 1314	"		"			32.0		EST .6	13		"
204	3/19	1250 / 1308	"		"			73.7		.6	18		"
205	3/28	1215 / 1235	"		"			58.0		.6	18		"

DISCHARGE MEASUREMENTS OF BIG ROCK CREEK F171-S

AT OR NEAR Valyermo Highway DURING THE YEAR ENDING SEPTEMBER 30, 19 58

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	S. HT. CHANGE TOTAL	METER NO.
206	4/10	0957 / 1011	WHISLER-STRINGER	25.0	25.4	3.50		89.0		.6	15		FC41
207	4/16	1246 / 1305	WHISLER	25.5	27.4	4.01		110.		.6	21		"
208	4/22	0957 / 1015	"	31.5	34.2	4.22		144.		.6	20		"
209	4/30	1050 / 1113	"	26.0	24.5	3.87		94.8		.6	20		"
210	5/7	1316 / 1335	"	25.5	23.4	4.13		96.6		.6	24		"
211	5/14	1221 / 1241	"		CHANNELS			76.3		.6	19		"
212	5/22	1213 / 1230	"		"			81.1		.6	19		"
213	5/28	1248 / 1306	"	19.0	19.2	3.75		71.8		.6	20		"
214	6/4	1240 / 1258	"	19.0	16.4	3.44		56.4		.6	19		"
215	6/11	1244 / 1300	"	18.0	15.4	2.95		45.5		.6	19		"
216	6/18	1140 / 1155	"	18.0	13.0	2.80		36.5		.6	18		"
217	6/26	1310 / 1320	BOWMAN	16.0	10.3	2.46		25.4		.5/.6	10		"
218	7/2	1300 / 1315	"	16.5	9.82	2.18		21.3		.5/.6	11		FC4
219	7/10	1135 / 1200	"	17.5	12.7	1.39		17.7		.5/.6	19		FC41
220	7/16	1103 / 1118	WHISLER	17.0	13.5	1.22		16.2		.6	18		FC59
221	7/23	1143 / 1200	"	17.0	11.9	1.17		13.9		.6	17		"
222	7/30	1020 / 1034	"	17.5	12.1	1.07		13.0		.6	19		"
223	8/6	1053 / 1106	"	17.0	10.4	1.05		10.9		.6	18		FC41
224	8/13	1214 / 1228	"	17.5	10.2	0.92		9.4		.6	18		FC59
225	8/20	1315 / 1325	"	17.0	9.44	0.83		7.8		.6	16		"
226	8/27	0948 / 1002	"	17.0	9.25	0.84		7.8		.6	15		"
227	9/3	1110 / 1122	"	17.0	8.37	0.69		5.8		.6	17		"
228	9/17	1050 / 1100	"	17.0	7.38	0.62		4.6		.5/.6	16		"

DISCHARGE MEASUREMENTS OF BIG ROCK CREEK F171-S

AT OR NEAR Valyermo Highway DURING THE YEAR ENDING SEPTEMBER 30, 19 59

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	S. HT. CHANGE TOTAL	METER NO.
229	10/1	1222 / 1234	WHISLER	15.5	5.72	0.52		3.0		.5/.6	16		FC59
230	10/16	1108 / 1120	"	17.0	6.80	0.57		3.9		.5/.6	16		"
231	10/29	1148 / 1200	"	15.5	6.03	0.55		3.3		.5	15		"
232	11/12	1333 / 1347	BOWMAN		CHANNELS			4.3		.5	20		FC6
233	11/25	1300 / 1325	"		"			3.8		.5	22		"
234	12/10	1248 / 1310	WHISLER		"			3.0		.5	16		FC59
235	12/17	1255 / 1305	BOWMAN		"			3.3		.5	9		FC60
236	1/2	1140 / 1155	WHISLER		"			3.6		.5/.6	16		FC59
237	1/14	1336 / 1348	"	17.5	7.73	0.80		6.2		.5/.6	14		"
238	1/21	1130 / 1142	"	17.0	7.29	0.75		5.4		.5	15		"
239	1/28	1140 / 1150	"	18.0	7.32	0.67		4.9		.5/.6	13		"
240	2/4	1232 / 1242	"	17.5	7.41	0.70		5.2		.5	13		"
241	2/18	1123 / 1137	"	17.0	13.7	2.06		28.2		.6	18		FC41
242	2/25	1124 / 1135	"	17.0	9.83	1.18		11.6		.6	15		FC59
243	3/4	1244 / 1300	"	16.0	9.63	1.13		10.9		.6	15		"
244	3/11	1050 / 1102	"	17.0	9.22	1.02		9.4		.5/.6	16		"
245	3/18	1135 / 1147	"		CHANNELS			9.7		.6	14		"
246	3/25	1240 / 1252	WHISLER-RIESTER		"			9.1		.6	15		"
247	4/1	1214 / 1230	WHISLER		"			6.6		.5/.6	18		"
248	4/8	1130 / 1144	"		"			7.7		.5/.6	17		"
249	4/15	1151 / 1201	"	16.0	7.00	0.73		5.1		.5/.6	13		"
250	4/22	1026 / 1036	"	15.5	6.12	0.65		4.0		.5	14		"
251	4/29	1205 / 1217	"		CHANNELS			3.5		.5/.6	18		"
252	5/13	1246 / 1256	WHISLER-LINDSAY		"			1.5		.5	7		"
253	5/27	1127 / 1138	WHISLER		"			1.9		.5	7		"
254	6/10	1300 / 1304	ROY-WHISLER	5.0	1.53	0.59		0.90		.5	6		"
255	7/9	1230 / 1235	BOWMAN	1.3	0.16	0.31		0.05		.5	4		"
256	9/2	1250 / 1255	ROY	1.6	0.26	0.31		0.08		.5	4		"

DISCHARGE MEASUREMENTS OF BIG ROCK CREEK F143-S

AT OR NEAR above Pallette Creek DURING THE YEAR ENDING SEPTEMBER 30, 19 58

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	S. HT. CHANGE TOTAL	METER NO.
409	10-2	1400 / 1405	WHISLER-WOOD	6.1	1.88	1.17		2.2		.5	8		FC59
410	10/16	1013 / 1023	WHISLER	6.2	1.99	1.11		2.2		.5	9		"
411	10/30	1225 / 1235	BOWMAN	7.0	1.92	0.83		1.6		.5	8		"
412	11/6	1320 / 1330	"	6.0	1.85	1.14		2.1		.5	7		"
413	11/13	1155 / 1201	WHISLER	7.0	2.03	0.79		1.6		.5/.6	9		"
414	11/20	1240 / 1246	ROY-WHISLER	6.5	1.81	0.94		1.7		.5/.6	8		"
415	11/27	1220 / 1230	ROY	6.2	1.82	0.77		1.4		.6	7		"
416	12/4	1212 / 1218	WHISLER	6.1	1.93	0.93		1.8		.5/.6	8		"
417	12/11	1425 / 1435	"	6.1	1.99	0.95		1.9		.6	8		"
418	12/18	1435 / 1505	"	12.0	7.43	3.36		24.9		.6	8		FC5
419	12/26	1450 / 1456	"		CHANNELS			3.7		.6	7		FC59
420	12/31	1325 / 1332	"		"			3.5		.5/.6	9		"
421	1/8	1500 / 1507	"		"			3.2		.6	8		"
422	1/15	1315 / 1321	WHISLER-MOSES		"			4.1		.5	8		"
423	1/22	1420 / 1435	WHISLER		"			5.2		.5/.6	13		"
424	1/29	1413 / 1424	"		"			11.0		.6	9		"
425	2/8	1225 / 1234	WHISLER-BOWMAN	18.0	9.10	1.82		16.6		.5/.6	11		FC41
426	2/12	1131 / 1146	" "	17.5	7.63	1.45		11.1		.5/.6	11		FC59
427	2/21	1144 / 1158	WHISLER	23.0	17.2	3.52		60.7		.6	12		FC41
428	2/26	1152 / 1208	"	23.0	17.7	3.07		54.3		.6	14		"
429	3/5	1410 / 1435	"		CHANNELS			40.6		.5/.6	21		"
430	3/12	1420 / 1443	"		"			43.3		.6	23		"
431	3/19	1405 / 1422	"		"			69.8		.5/.6	16		"
432	3/28	1347 / 1410	"		"			60.8		.5/.6	21		"
433	4/10	1151 / 1213	WHISLER-STRINGER	33.0	24.5	3.38		80.8		.6	27		"
434	4/16	1357 / 1415	WHISLER	34.0	29.7	3.80		113.		.6	20		"
435	4/22	1115 / 1137	"	33.5	34.6	4.24		147.		.6	20		"
436	4/30	1222 / 1246	"		CHANNELS			94.4		.6	24		"
437	5/7	1401 / 1430	"		"			99.1		.5/.6	31		"
438	5/14	1450 / 1507	"	27.0	22.3	3.63		80.8		.6	16		"
439	5/22	1408 / 1425	"		CHANNELS			82.9		.6	17		"
440	5/28	1356 / 1412	"		"			75.7		.6	16		"
441	6/4	1444 / 1458	"		"			52.6		.6	16		"
442	6/11	1400 / 1410	"		"			29.6		.6	16		"
443	6/18	1403 / 1418	"		"			28.5		.6	17		"
444	6/26	1430 / 1445	BOWMAN		"			25.8		.5/.6	10		"
445	7/2	1515 / 1530	"		"			19.0		.5/.6	11		"
446	7/10	1500 / 1520	"		"			16.8		.5/.6	18		"
447	7/16	1230 / 1253	WHISLER		"			16.0		.6	19		FC59
448	7/23	1358 / 1412	"		"			14.7		.6	16		"
449	7/30	1220 / 1238	"		"			13.5		.6	17		"
450	8/6	1150 / 1202	"		"			12.6		.6	16		FC41
451	8/13	1318 / 1330	"		"			10.9		.6	16		FC59
452	8/20	1422 / 1434	"		"			9.5		.6	15		"
453	8/27	1044 / 1058	"		"			9.6		.6	17		"
454	9/3	1416 / 1432	"		"			8.6		.6	15		"
455	9/17	1144 / 1200	"		"			7.2		.6	16		"

DISCHARGE MEASUREMENTS OF BIG ROCK CREEK F143-S

AT OR NEAR above Pallette Creek DURING THE YEAR ENDING SEPTEMBER 30, 19 59

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	S. HT. CHANGE TOTAL	METER NO.
456	10/1	1445 / 1500	WHISLER		CHANNELS			6.5		.5/.6	16		FC59
457	10/16	1355 / 1408	"		"			5.6		.5/.6	14		"
458	10/29	1412 / 1425	"		"			5.8		.6	14		"
459	11/12	1500 / 1520	BOWMAN	15.5	7.66	0.78		6.0		.5/.6	16		FC6
460	11/25	1505 / 1525	"	15.0	7.81	0.77		6.0		.5	16		"
461	12/10	1355 / 1405	WHISLER		CHANNELS			5.3		.5/.6	12		FC59
462	12/18	1445 / 1500	BOWMAN	13.0	6.70	0.90		6.0		.5	14		FC60

DISCHARGE MEASUREMENTS OF BIG ROCK CREEK F295-S

AT NEAR above Rising Water DURING THE YEAR ENDING SEPTEMBER 30, 19 59

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
463	1/2	1255 / 1305	WHISLER		CHANNELS			5.8		.6	13		FC59
464	1/14	1440 / 1450	"		"			6.5		.5/.6	13		"
465	1/21	1225 / 1237	"		"			6.3		.5/.6	13		"
466	1/28	1240 / 1254	"		"			6.8		.5/.6	14		"
467	2/4	1320 / 1330	"		"			6.6		.5/.6	12		"
468	2/18	1356 / 1405	"		"			17.6		.5/.6	10		"
469	2/25	1237 / 1249	"		"			9.2		.5/.6	12		FC59
470	3/4	1350 / 1402	"		"			9.3		.6	12		"
471	3/11	1210 / 1222	"		"			9.0		.5/.6	14		"
472	3/18	1315 / 1327	"		"			9.4		.5/.6	13		"
473	3/25	1425 / 1435	WHISLER-RIESTER		"			8.8		.5/.6	13		"
474	4/1	1403 / 1415	WHISLER		"			8.6		.6	13		"
475	4/8	1312 / 1325	"		"			8.7		.6	14		"
476	4/15	1336 / 1348	"		"			8.3		.5/.6	13		"
477	4/22	1138 / 1150	"		"			8.0		.5/.6	14		"
478	4/29	1328 / 1340	"		"			7.5		.5/.6	12		"
479	5/13	1347 / 1400	WHISLER-LINDSAY	13.0	6.07	1.07		6.5		.5/.6	12		"
480	5/27	1320 / 1330	WHISLER	13.5	5.89	0.98		5.8		.5/.6	12		"
481	6/10	1455 / 1506	ROY-WHISLER	13.5	5.69	0.81		4.6		.5/.6	14		"
482	6/24	1320 / 1328	WHISLER	13.0	5.14	0.78		4.0		.5	12		"
483	7/9	1350 / 1400	BOWMAN	10.0	3.11	1.12		3.5		.5	11		"
484	7/22	1325 / 1335	WHISLER	9.0	4.44	0.77		3.4		.6	10		"
485	8/5	1025 / 1032	"	8.0	3.78	0.82		3.1		.5/.6	9		"
486	8/19	1005 / 1016	"	8.5	4.29	0.58		2.5		.5/.6	10		"
487	9/2	1320 / 1335	ROY	9.0	3.52	0.62		2.2		.5/.6	10		"
488	9/16	1410 / 1415	WHISLER	9.0	4.47	0.42		1.9		.6	10		"
489	9/30	1304 / 1310	"	9.0	5.12	0.37		1.9		.6	10		"
156	10/1	1258 / 1308	WHISLER	9.5	3.36	0.80		2.7		.5/.6	10		FC59
157	10/16	1235 / 1242	"	9.0	2.77	0.76		2.1		.5	10		"
158	10/29	1230 / 1242	"	8.5	2.50	0.72		1.8		.5	10		"
159	11/12	1417 / 1430	BOWMAN	11.0	3.72	0.40		1.5		.5	12		FC6
160	11/25	1400 / 1410	"	9.0	2.65	0.53		1.4		.5	10		"
161	12/10	1318 / 1325	WHISLER	12.0	4.25	0.40		1.7		.5	8		FC59
162	12/18	1412 / 1422	BOWMAN	8.0	2.65	0.60		1.7		.5	9		FC60
163	1/2	1228 / 1234	WHISLER	13.0	4.33	0.39		1.7		.5	7		FC59
164	1/14	1412 / 1422	"	12.0	4.20	0.57		2.4		.5	10		"
165	1/21	1158 / 1205	"	13.0	4.58	0.52		2.4		.5	8		"
166	1/28	1208 / 1216	"	13.0	4.80	0.48		2.3		.5/.6	11		"
167	2/4	1300 / 1306	"	13.0	4.91	0.57		2.8		.5	8		"
168	2/18	1207 / 1220	"	18.0	8.42	1.69		14.2		.5/.6	16		FC41
169	2/25	1205 / 1213	"	11.0	4.15	0.84		3.5		.5/.6	10		FC59
170	3/4	1323 / 1330	"	17.0	5.61	1.12		6.3		.5	11		"
171	3/11	1138 / 1150	"	17.5	5.20	0.96		5.0		.5	15		"
172	3/18	1234 / 1246	"	16.0	4.77	1.11		5.2		.5	16		"
173	3/25	1317 / 1328	WHISLER-RIESTER	16.5	5.05	1.19		6.0		.5	13		"
174	4/1	1250 / 1300	WHISLER	11.0	4.98	0.98		4.9		.5/.6	11		"
175	4/8	1206 / 1214	"	11.0	4.71	0.93		4.4		.5/.6	10		"
176	4/15	1225 / 1234	"	10.0	4.36	0.89		3.9		.5/.6	10		"
177	4/22	1102 / 1112	"	10.0	4.43	0.86		3.8		.5/.6	10		"
178	4/29	1303 / 1313	"	10.0	4.34	0.74		3.2		.5/.6	10		"
179	5/13	1320 / 1330	WHISLER-LINDSAY	9.5	3.75	0.61		2.3		.5/.6	10		"
180	5/27	1200 / 1208	WHISLER	10.0	3.39	0.47		1.6		.5	9		"
181	6/10	1339 / 1347	ROY-WHISLER	6.5	1.82	0.30		0.54		.5	8		"

DISCHARGE MEASUREMENTS OF BIG ROCK CREEK F295-S

AT NEAR above Rising Water DURING THE YEAR ENDING SEPTEMBER 30, 19 58

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
129	12/18	1403 / 1410	WHISLER	17.0	8.15	2.66		21.6		.6	7		FC5
130	1/15	1355 / 1359	WHISLER-MOSES	4.5	0.83	0.88		0.73		.5	6		FC59
131	1/22	1354 / 1400	WHISLER	5.5	1.18	1.35		1.6		.5	7		"
132	1/29	1320 / 1332	"	11.0	4.59	1.66		7.6		.6	10		"
133	2/8	1125 / 1138	"	12.0	7.81	1.68		13.1		.5/.6	12		FC41
134	2/12	1112 / 1118	WHISLER-BOWMAN	11.5	5.39	1.03		5.5		.5/.6	8		FC59
135	2/21	1104 / 1118	WHISLER	28.5	21.0	2.75		57.8		.6	13		FC41
136	2/26	1112 / 1126	"	28.5	19.5	3.09		60.2		.6	13		"
137	3/5	1334 / 1350	"	28.5	16.7	2.36		39.4		.6	16		"
138	3/12	1345 / 1401	"	29.0	17.5	2.49		41.8		.6	17		"
139	3/19	1330 / 1345	"	24.0	19.2	3.23		62.0		.6 / .5	13		"
140	3/28	1301 / 1316	"	30.0	21.8	2.94		64.0		.6	17		"
141	4/10	1059 / 1115	WHISLER-STRINGER		CHANNELS			73.0		.6 EST.	22		"
142	6/11	1326 / 1337	WHISLER		"			25.2		.6	14		"
143	6/18	1218 / 1238	"	16.0	11.4	2.32		26.4		.6	16		"
144	6/26	1410 / 1420	BOWMAN	11.5	9.10	2.72		24.8		.5/.6	8		"
145	7/2	1430 / 1440	"	12.5	8.47	2.44		20.7		.5/.6	8		"
146	7/10	1330 / 1350	"		CHANNELS			14.3		.5/.6	13		"
147	7/16	1202 / 1215	WHISLER	14.0	9.46	1.38		13.1		.6	15		FC58
148	7/23	1255 / 1307	"	15.0	9.81	1.17		11.5		.6	14		FC59
149	7/30	1116 / 1128	"	14.0	8.72	1.17		10.2		.6	14		"
150	8/6	1122 / 1133	"	14.0	7.94	1.10		8.7		.6	13		FC41
151	8/13	1250 / 1258	"	11.0	5.28	1.42		7.5		.6	11		FC59
152	8/20	1359 / 1407	"	11.0	5.16	1.24		6.4		.6	11		"
153	8/27	1022 / 1030	"	10.5	4.80	1.33		6.4		.6	10		"
154	9/3	1347 / 1357	"	10.5	4.46	1.23		5.5		.6	11		"
155	9/17	1122 / 1130	"	10.0	3.92	1.05		4.1		.5/.6	10		"

DISCHARGE MEASUREMENTS OF BIG ROCK CREEK F183-S

AT NEAR Highway 136 DURING THE YEAR ENDING SEPTEMBER 30, 19 58

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
78	3/19	1455 / 1505	WHISLER	20.5	9.99	3.14		31.4		.5/.6	12		FC41
79	3/25	1400 / 1415	BOWMAN	14.7	10.5	3.33		35.0		.5/.6	9		"
80	4/10	1351 / 1359	WHISLER-STRINGER	21.0	12.6	3.30		41.7		.6	12		FC32
81	4/22	1322 / 1346	" "	28.0	22.1	4.18		92.4		.6	13		FC41

DISCHARGE MEASUREMENTS OF BIG TUJUNGA WASH F155-S

AT NEAR Foothill Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 19 58

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
6	3/5	1042 / 1100	MOSES-HYDE	24.5	10.6	2.40		25.4		.6	12		FC40

DISCHARGE MEASUREMENTS OF BOUQUET CREEK F284-S

AT NEAR 1.5 Miles above Texas Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 56

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATINGS	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
98	12/19	0832 / 0939	WHISLER	3.5	0.57	1.05		0.60		.5	8		FC59
99	1/30	0808 / 0912	"	2.6	0.41	0.76		0.31		.5	5		"
100	2/7	1451 / 1454	WHISLER-BOWMAN	4.0	0.70	1.72		1.2		.5	5		"
101	2/13	1145 / 1150	WHISLER	3.5	0.59	0.70		0.41		.5	7		"
102	2/20	1146 / 1150	"	4.0	0.87	1.72		1.5		.5	5		"
103	3/27	1024 / 1026	"	4.0	0.86	1.16		1.0		.5	5		"
104	3/13	1135 / 1138	"	2.5	0.35	1.00		0.35		.5	5		"
105	3/26	1317 / 1327	BOWMAN	10.0	5.28	1.21		6.4		.5 / .6	7		FC6
106	4/15	0933 / 0941	WHISLER	14.0	6.56	3.36		12.1		.5 / .6	8		FC41
107	4/24	1048 / 1058	"	19.0	12.6	1.61		20.3		.6	10		"
108	5/1	1330 / 1340	"	18.0	12.7	1.53		19.4		.5 / .6	13		"
109	5/8	1143 / 1150	"	17.0	9.86	1.85		18.2		.5 / .6	10		"
110	5/15	1043 / 1050	"	15.0	8.35	2.23		18.6		.6	8		"
111	5/21	1044 / 1052	"	16.0	8.70	1.92		16.7		.5 / .6	11		"
112	5/29	1143 / 1150	WHISLER-BURKE	16.0	8.68	2.03		17.8		.6	10		"
113	6/5	1154 / 1206	WHISLER	15.0	8.69	1.93		16.8		.6	15		"
114	6/12	1115 / 1125	"	16.0	9.49	1.99		18.9		.5 / .6	15		"
115	6/19	1130 / 1138	"	17.0	9.55	1.87		17.9		.6	11		"
116	6/25	1240 / 1250	BOWMAN	14.0	8.28	1.86		15.4		.5 / .6	15		"
117	7/3	1145 / 1200	"	14.0	11.1	1.45		16.0		.5 / .6	9		"
118	7/9	0930 / 0942	"	15.7	8.25	1.85		15.3		.5 / .6	11		"
119	7/17	1120 / 1133	WHISLER	15.0	7.32	2.43		18.0		.5 / .6	16		"
120	7/24	1313 / 1326	"	15.0	7.20	2.46		17.7		.5 / .6	15		"
121	7/31	1412 / 1425	"	16.0	10.6	1.55		16.4		.6	17		"
122	8/7	1400 / 1410	"	13.0	6.12	2.97		18.2		.5 / .6	12		"
123	8/14	1308 / 1318	"	12.5	6.13	3.12		19.1		.5 / .6	11		"
124	8/21	1425 / 1436	"	10.0	8.89	1.63		14.4		.6	11		FC59
125	8/28	1330 / 1345	"	10.0	8.83	1.81		16.0		.6	11		"
126	9/4	1425 / 1427	"	9.5	8.67	1.80		15.6		.6	11		"
127	9/11	1345 / 1400	"	10.5	9.53	1.76		1.7		.6	11		"
128	9/18	1112 / 1125	"	10.0	9.13	1.75		16.0		.6	11		"
129	9/25	1410 / 1422	"	10.5	10.2	1.64		16.8		.6	11		"

DISCHARGE MEASUREMENTS OF BOUQUET CREEK F284-S

AT NEAR 1.5 Miles above Texas Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 59

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATINGS	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
130	10/2	1536 / 1548	WHISLER	11.0	9.49	1.63		15.5		.6	12		FC59
131	10/9	1430 / 1442	"	11.0	9.56	1.59		15.2		.6	12		"
132	10/15	1547 / 1610	"	10.5	9.10	1.73		15.7		.6	11		"
133	10/23	1455 / 1505	"	11.0	10.1	1.67		16.9		.6	11		"
134	10/31	1535 / 1545	"	11.0	9.63	1.65		15.9		.6	11		"
135	11/6	1455 / 1505	"	11.0	9.71	1.58		15.3		.6	12		"
136	11/13	1200 / 1213	BOWMAN	11.0	9.96	1.75		17.4		.5 / .6	12		FC6
137	11/20	1235 / 1250	"	10.0	9.70	1.75		17.0		.5 / .6	11		"
138	11/26	1430 / 1440	WHISLER	9.5	7.48	1.02		7.6		.6	11		FC59
139	12/4	1401 / 1405	"	3.0	0.68	0.98		0.67		.5	4		"
140	12/11	1025 / 1029	"	2.5	0.50	0.52		0.26		.5	5		"
141	1/8	1522 / 1527	"	2.5	0.63	0.90		0.57		.5	4		FC41
142	1/22	1358 / 1400	"	1.5	0.09	1.00		0.09		.6	3		FC59
143	1/29	1145 / 1150	"	2.0	0.29	0.34		0.10		.5	5		"
144	2/19	1110 / 1114	"	4.0	0.42	0.62		0.26		.5	5		"
145	9/24	1057 / 1105	"	9.0	5.90	0.75		4.4		.6	10		FC41

DISCHARGE MEASUREMENTS OF BUENA VISTA CHANNEL F339-S

AT NEAR above Buena Vista Pit DURING THE YEAR ENDING SEPTEMBER 30, 19 58

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATINGS	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1	1/3	0810 / 0818	HOLLERON	1.6	0.68	0.59	0.05	0.40		.6	7	0	FC48
2	1/8	1622 / 1638	"	11.6	1.11	0.69	0.08	0.76		.5	14	0	"
3	1/23	1534 / 1550	"	11.6	1.36	1.01	0.10	1.4		.5	13	0	"
4	1/30	1608 / 1618	"	12.0	1.49	1.61	0.13	2.4	FLOATS	.5	10	0	"

DISCHARGE MEASUREMENTS OF BUENA VISTA CHANNEL F339-S

AT NEAR above Buena Vista Pit DURING THE YEAR ENDING SEPTEMBER 30, 19 59

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATINGS	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
5	3/19	1618 / 1630	HOLLERON	CHANNELS			0.09	1.6		.5	13	0	FC48
6	3/27	0946 / 0954	"	10.0	1.01	1.29	0.10	1.3		.5	9	0	"
7	4/2	0838 / 0846	"	10.0	0.96	1.35	0.08	1.3		.5	8	0	"
8	4/23	1542 / 1550	"	10.0	1.02	1.27	0.10	1.3		.5	8	0	"
9	5/7	1547 / 1553	"	8.0	0.70	1.11	0.08	0.78		.5	7	0	"
10	6/11	1557 / 1603	"	7.0	0.51	0.78	0.05	0.40		.5	6	0	"
11	6/17	0830 / 0838	"	10.0	0.99	1.21	0.11	1.2		.5	8	0	"
12	8/6	1628 / 1636	"	8.0	0.90	1.22		1.1		.5	8	0	"
13	8/20	1617 / 1623	"	1.4	0.21	0.72	0.04	0.15		.5	7	0	"
14	8/27	1626 / 1634	"	8.0	0.93	1.61	0.10	1.5		.5	7	0	"
15	9/24	1614 / 1622	"	8.0	0.80	1.24	0.10	1.0		.5	7	0	"

DISCHARGE MEASUREMENTS OF CASTAIC CREEK F140-S

AT NEAR Elizabeth Lake Canyon Highway DURING THE YEAR ENDING SEPTEMBER 30, 19 58

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATINGS	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
15	2/7	1602 / 1606	WHISLER-BOWMAN	CHANNELS				13.2		.5 / .6	7		FC41
16	2/20	0840 / 0852	WHISLER	32.0	16.0	3.58		57.2		.5 / .6	14		"
17	2/27	1336 / 1348	"	26.0	13.0	2.99		38.7		.5	11		"
18	3/6	1433 / 1441	"	CHANNELS				26.1		.6	9		"
19	3/13	0914 / 0924	"	12.0	6.2	2.18		13.5		.6	12		"
20	3/17	1003 / 1012	WHISLER-STRINGER	45.0	39.8	5.18		206.		.6	12		"
21	3/20	1400 / 1409	WHISLER-PROVENCIO	CHANNELS				77.1		.5 / .6	12		"
22	3/26	1118 / 1147	BOWMAN		"			71.5		.5 / .6	19		FC6
23	4/14	1010 / 1023	WHISLER		"			106.		.5 / .6	17		FC41
24	4/24	1225 / 1236	"		"			37.1		.5 / .6	14		"
25	5/1	0832 / 0842	"	23.0	13.4	2.32		31.1		.5 / .6	13		"
26	5/8	0958 / 1007	"	22.0	9.25	1.70		15.7		.5 / .6	13		"
27	5/15	1307 / 1315	"	21.5	7.50	1.33		10.0		.5	10		"
28	5/21	1308 / 1315	"	14.0	5.66	1.13		6.4		.5	8		"
29	5/29	0840 / 0845	WHISLER-BURKE	7.0	3.00	1.17		3.5		.5 / .6	7		"
30	6/5	0817 / 0822	WHISLER	7.0	2.98	0.50		1.5		.5 / .6	7		FC59
31	6/12	0933 / 0938	"	7.0	3.51	0.28		1.0		.5	8		"
32	6/19	0845 / 0850	"	6.0	1.61	0.62		1.0		.5	7		"
33	6/25	1135 / 1145	BOWMAN	6.0	1.35	0.67		0.90		.5	7		"
34	7/3	1040 / 1050	"	5.0	1.01	0.54		0.54		.5	6		"
35	7/9	0820 / 0830	"	5.5	0.92	0.53		0.49		.5	7		"
36	7/17	0915 / 0919	WHISLER	4.0	0.86	0.63		0.54		.5	5		"
37	7/23	0836 / 0840	"	3.0	0.51	0.88		0.45		.5	6		"
38	7/31	0818 / 0820	"	3.0	0.42	0.88		0.37		.5	4		"
39	8/7	0851 / 0854	"	2.5	0.30	0.73		0.22		.5	4		FC41

DISCHARGE MEASUREMENTS OF COLD CREEK F61-S

AT NEAR Crater Camp DURING THE YEAR ENDING SEPTEMBER 30, 19 58

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
205	1/30	1410 / 1415	SJOSTEDT-MOSES	2.2	0.57	0.77		0.44		.6	7		FC50
206	2/20	1503 / 1515	SJOSTEDT-CARABA	8.3	6.05	2.31		14.0		.6	9		FC47
207	7/3	1405 / 1410	SJOSTEDT	2.5	0.51	0.80		0.40		.5/.6	6		FC50
208	7/10	1155 / 1200	"	3.0	0.61	0.48		0.29		.5	5		"
209	7/24	1450 / 1500	BROCK-ROY	2.2	0.52	0.21		0.11		.5	6		"
210	7/31	1445 / 1448	ROY	1.0	0.08	1.12		0.09		.5	3		"
211	8/7	1444 / 1446	BROOK	1.1	0.08	0.63		0.05		.5	4		"
212	8/14	1432 / 1436	"	1.0	0.10	0.40		0.04		.5	5		"
213	8/21	1445 / 1448	"	0.80	0.09	0.33		0.03		.5	4		"

DISCHARGE MEASUREMENTS OF COLD CREEK F61-S

AT NEAR Crater Camp DURING THE YEAR ENDING SEPTEMBER 30, 19 59

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
214	2/19	1020 / 1030	SJOSTEDT	3.0	0.70	1.30		0.91		.5	7		FC50
215	3/12	1450 / 1500	"	2.0	0.29	1.14		0.33		.5	6		"
216	3/26	1540 / 1550	"	1.5	0.21	1.24		0.26		.5	6		"
217	4/9	1425 / 1430	"	1.2	0.20	1.00		0.20		.5	5		"
218	4/23	1030 / 1035	"	1.2	1.68	0.71		1.2		.5	5		"
219	4/30	1410 / 1415	"	1.2	0.16	0.56		0.09		.5	5		"
220	5/7	1510 / 1515	"	1.2	0.14	0.28		0.04		.5	5		"

DISCHARGE MEASUREMENTS OF DEVILS PUNCH BOWL CREEK F178-S

AT NEAR above Big Rock Creek DURING THE YEAR ENDING SEPTEMBER 30, 19 58

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
15	2/7	0925 / 0931	WHISLER-BOWMAN	10.5	3.69	1.98		7.3		.5	9		FC59
16	2/12	0937 / 0942	" "	7.5	2.17	1.43		3.1		.5	9		"
17	2/21	0945 / 0953	WHISLER	7.5	5.24	1.81		9.5		.6	9		FC41
18	2/26	1002 / 1010	"	7.5	3.91	2.16		8.3		.5	9		"
19	3/5	1117 / 1125	"	7.5	1.98	1.62		3.2		.5	9		FC59
20	3/12	1221 / 1232	"	8.0	1.67	2.46		4.1		.5	9		"
21	3/19	1225 / 1235	"	11.0	5.06	1.88		9.5		.5/.6	11		FC41
22	3/28	1143 / 1150	"	7.5	3.15	2.03		6.4		.5	8		"
23	4/10	0930 / 0935	WHISLER-STRINGER	9.0	4.63	1.86		8.6		.6	10		"
24	4/16	1224 / 1232	WHISLER	8.0	5.92	1.44		8.5		.6	9		"
25	4/22	0906 / 0914	"	8.0	6.94	1.38		9.6		.6	10		"
26	5/7	1258 / 1302	"	7.5	3.78	1.35		5.1		.6	8		"
27	5/28	1118 / 1123	"	6.5	2.52	0.95		2.4		.5	7		"
28	6/11	1207 / 1212	"	6.0	1.57	0.70		1.1		.5	6		FC59
29	6/18	1107 / 1112	"	5.0	1.43	0.56		0.80		.5	7		"
30	6/26	1255 / 1305	"	5.0	0.89	0.33		0.29		.5	6		"
31	7/23	1128 / 1130	"	3.0	0.54	0.17		0.09		.5	4		"

DISCHARGE MEASUREMENTS OF DEVILS PUNCH BOWL CREEK F178-S

AT NEAR above Big Rock Creek DURING THE YEAR ENDING SEPTEMBER 30, 19 59

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
32	1/14	1326 / 1330	WHISLER	3.5	0.63	0.49		0.31		.5	5		FC59
33	1/21	1108 / 1110	"	3.5	0.66	0.35		0.23		.5	5		"
34	2/4	1209 / 1212	"	3.5	0.54	0.24		0.13		.5	5		"
35	2/18	1104 / 1110	"	9.5	3.57	0.95		3.4		.5	9		"
36	3/4	1229 / 1233	"	4.0	1.02	1.37		1.4		.5	5		"
37	3/18	1118 / 1121	"	4.0	0.82	0.91		0.75		.5	5		"
38	3/25	1133 / 1136	WHISLER-RIESTER	4.0	0.64	1.00		0.64		.5	5		"
39	4/8	1114 / 1118	WHISLER	4.0	0.80	1.05		0.84		.5	5		"
40	4/15	1136 / 1140	"	4.0	0.55	0.95		0.52		.5	5		"
41	4/29	1146 / 1149	"	4.0	0.54	0.91		0.49		.5	5		"
42	5/13	1158 / 1205	WHISLER-LINDSAY	2.5	0.37	0.68		0.25		.5	5		"
43	5/27	1114 / 1116	WHISLER	2.0	0.15	0.53		0.08		.5	5		"

DISCHARGE MEASUREMENTS OF ELIZABETH LAKE CREEK F141A-S

AT NEAR above Dry Gulch DURING THE YEAR ENDING SEPTEMBER 30, 19 58

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
302	12/19	1045 / 1053	WHISLER	9.5	2.70	1.26	2.58	3.4		.5/.6	7	0	FC59
303	12/27	1102 / 1108	"	4.5	0.93	0.90	2.30	0.84		.5	6	0	"
304	1/2	1042 / 1046	"	5.0	1.05	0.90	2.31	0.95		.5	6	0	"
305	1/9	1043 / 1047	"	4.5	0.87	0.90	2.30	0.78		.5/.6	7	0	"
306	1/16	1500 / 1507	WHISLER-MOSES	4.5	0.95	0.83	2.30	0.79		.5/.6	8	0	"
307	1/23	1201 / 1205	WHISLER	2.6	0.47	1.30	2.30	0.61		.5	6	0	"
308	1/30	1026 / 1035	"	8.5	2.4	0.79	2.48	1.9		.5	10	0	"
309	2/7	1544 / 1550	WHISLER-BOWMAN	17.5	9.64	2.87	3.14	27.6		.5/.6	10	0	FC41
310	2/13	0832 / 0848	WHISLER	CHANNELS			2.96	8.6		.6	16	0	FC59
311	2/20	0905 / 0918	"		"		3.16	32.3		.5/.6	15	0	FC41
312	2/27	1400 / 1414	"	33.0	11.0	3.07	3.09	33.6		.5	13	0	"
313	3/6	1452 / 1502	"	11.0	6.12	3.51	2.87	21.5		.6	9	0	"
314	3/13	0938 / 0947	"	13.0	4.22	2.49	2.72	10.5		.5	10	0	"
315	3/17	1030 / 1040	WHISLER-STRINGER	35.5	29.4	4.69	4.05	138.		.6	12	0	"
316	3/20	1335 / 1345	WHISLER-PROVENCIO	35.0	17.1	3.21	3.35	54.9		.5/.6	12	0	"
317	3/26	1226 / 1235	BOWMAN	28.0	15.5	2.51		38.1		.5/.6	10		FC6
318	4/14	0938 / 0952	WHISLER	37.0	20.6	3.82	3.45	78.6		.5/.6	13	0	FC41
319	4/24	1150 / 1200	"	21.5	11.0	3.06	3.10	33.7		.5/.6	12		"
320	5/1	0806 / 0818	"	22.0	10.0	2.76	3.02	27.6		.5/.6	12		"
321	5/8	0835 / 0843	"	19.0	8.35	2.19	2.85	18.3		.5/.6	10		"
322	5/15	1248 / 1256	"	16.0	7.10	2.08	2.78	14.8		.5/.6	10		"
323	5/21	1250 / 1256	"	13.0	5.66	2.05	2.70	11.6		.5/.6	8		"
324	5/28	0814 / 0822	WHISLER-BURKE	11.0	4.89	1.82	2.62	8.8		.5/.6	11	0	"
325	6/3	0756 / 0805	WHISLER	10.0	4.36	1.61	2.58	7.0		.5	10	0	"
326	6/10	0856 / 0908	"	10.5	4.72	1.53	2.60	7.2		.6	11	0	FC59
327	6/19	0810 / 0818	"	9.5	3.52	0.97	2.47	3.4		.5	10	0	"
328	6/25	1100 / 1110	BOWMAN	8.0	2.33	0.90		2.1		.5	9		"
329	7/3	1015 / 1230	"	8.0	2.38	0.80		1.9		.5	9		"
330	7/9	0755 / 0805	"	7.0	1.96	0.51		1.0		.5	8		"
331	7/17	0852 / 0904	WHISLER	7.0	1.53	0.50	2.32	0.76		.5	7	0	"
332	7/24	0816 / 0833	"	6.0	1.12	0.53	2.31	0.59		.5	7	0	"
333	7/31	0758 / 0801	"	3.0	0.34	0.59	2.23	0.20		.5	4	0	"
334	8/11	0844 / 0855	"	7.0	1.45	1.04	2.39	1.5		.5	8	0	"
335	8/18	0746 / 0748	"	3.0	0.36	0.75	2.25	0.27		.5	4	0	"
336	8/25	0751 / 0755	"	6.5	1.08	0.77	3.33	0.83		.5	7	0	"

DISCHARGE MEASUREMENTS OF ELIZABETH LAKE CREEK F141B-S

AT NEAR above Dry Gulch DURING THE YEAR ENDING SEPTEMBER 30, 19 59

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
316	10/2	0806 / 0810	WHISLER	1.7	0.25	0.44	2.21	0.11		.5	5	0	FC59
317	10/30	0755 / 0800	"	5.3	1.51	0.60	2.35	0.90		.5	7	0	"
318	11/6	1038 / 1043	"	5.0	1.43	0.43	3.33	0.61		.5	6	0	"
319	11/13	0850 / 0900	BOWMAN	5.5	1.65	0.79		1.3		.5	8		"
320	11/20	1100 / 1110	"	5.5	1.59	0.88		1.4		.5	8		"
321	11/26	0820 / 0826	WHISLER	7.0	1.50	0.93	2.38	1.4		.5	8	0	"
322	12/4	0800 / 0806	"	6.0	1.35	1.04	2.41	1.4		.5	7		"
323	12/11	1246 / 1254	"	5.0	1.48	1.08	2.41	1.6		.5	6		"
324	12/18	1240 / 1245	"	5.5	1.65	0.79	2.41	1.3		.5	7		"
325	12/26	0921 / 0927	"	7.0	1.72	0.93	2.43	1.6		.5	8	0	"
326	1/8	0758 / 0808	"	13.0	4.99	1.16	2.70	5.8		.5	8	0	FC41
327	1/15	0820 / 0826	"	11.0	3.54	0.90	2.60	3.2		.5	7	0	FC59
328	1/22	0753 / 0802	"	10.5	5.02	0.50	2.60	2.5		.5/.6	11	0	"
329	1/29	0810 / 0816	"	6.0	2.06	1.36	2.59	2.8		.5	7		"
330	2/5	0950 / 1005	BOWMAN	7.5	2.54	0.94		2.4		.5	10		"
331	2/19	1255 / 1304	WHISLER	18.0	6.26	1.60	2.63	10.0		.5	10	0	FC41
332	2/26	1234 / 1240	"	12.0	4.32	1.48	2.53	6.4		.5	7		FC59
333	3/5	0850 / 0856	"	15.0	3.80	1.03	2.50	3.9		.5	8	0	"
334	3/12	0758 / 0805	"	14.0	3.48	1.24	2.47	4.3		.5	8	0	"
335	3/19	1046 / 1054	"	14.0	3.12	1.13	2.45	3.6		.5	8	0	"
336	3/26	0750 / 0758	"	14.0	3.04	1.09	2.43	3.3		.5	8	0	"
337	4/2	0755 / 0801	"	14.0	2.84	0.88		2.5		.5	8	0	"
338	4/9	1012 / 1020	"	13.0	2.78	0.79		2.2		.5	8	0	"

DISCHARGE MEASUREMENTS OF ANTELOPE VALLEY DRAINAGE AREA

AT NEAR Miscellaneous Points DURING THE YEAR ENDING SEPTEMBER 30, 1958

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			BIG ROCK - Patrol Station Spring Overflow										
164	10/2	1254 / 1256	WHISLER-WOOD	0.70	0.27	0.22		0.06		.5	4		FC59
165	10/16	1030 / 1035	WHISLER	0.70	0.27	0.26		0.07		.5	4		"
166	10/30	1145 / 1155	BOWMAN	0.80	0.38	0.13		0.05		.5	5		"
167	11/6	1310 / 1315	"	0.80	0.28	0.25		0.07		.5	5		"
168	11/13	1213 / 1217	WHISLER	0.70	0.25	0.20		0.05		.5	4		"
169	11/20	1302 / 1306	ROY-WHISLER	0.70	0.24	0.13		0.03		.5	4		"
170	11/27	1243 / 1248	ROY	0.40	0.12	0.25		0.03		.5	4		"
171	12/31	1311 / 1315	WHISLER	0.70	0.22	0.09		0.02		.5	4		"
			BIG ROCK CREEK - below Longview Diversion										
2	2/12	1241 / 1249	WHISLER-BOWMAN	11.5	3.94	0.91		3.6		.5/.6	8		FC59

DISCHARGE MEASUREMENTS OF SANTA CLARA RIVER DRAINAGE AREA

AT NEAR Miscellaneous Points DURING THE YEAR ENDING SEPTEMBER 30, 1958

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			CASTAIC WASH at Highway 99										
14	3/20	1430 / 1437	WHISLER-PROVENCIO	30.0	12.0	3.37		40.4		.5/.6	10		FC41
15	4/14	1115 / 1135	WHISLER		CHANNELS			174.		.5/.6	24		"
			SANTA CLARA RIVER - 1 Mile below Ravenna										
62	10/3	1420 / 1430	WHISLER	4.2	0.92	1.20		1.1		.5	6		FC59
63	10/31	1135 / 1145	BOWMAN	3.8	1.10	1.18		1.3		.5	9		"
64	12/5	1020 / 1026	WHISLER-LUGO	4.8	1.20	1.50		1.8		.5	7		"
65	1/2	0815 / 0823	WHISLER	5.0	1.48	1.28		1.9		.6/.5	8		"
66	2/13	1406 / 1412	"	5.3	1.66	1.39		2.3		.6	7		"
67	3/13	1232 / 1240	"	7.5	2.35	1.11		2.6		.5/.6	9		"
68	4/15	1313 / 1328	"		CHANNELS			22.9		.5/.6	17		FC41
69	5/8	1253 / 1303	"		"			8.8		.5/.6	10		"
70	6/19	1258 / 1304	"		"			4.0		.5	7		FC59
71	7/3	1345 / 1355	BOWMAN	5.0	1.50	1.80		2.7		.5	6		"
72	8/7	1147 / 1152	WHISLER		CHANNELS			2.2		.5	6		FC41
73	9/11	1202 / 1208	"	5.5	1.66	1.26		2.1		.5	7		FC59

DISCHARGE MEASUREMENTS OF SANTA CLARA RIVER DRAINAGE AREA

AT NEAR Miscellaneous Points DURING THE YEAR ENDING SEPTEMBER 30, 1959

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			Santa Clara River one mile below Ravenna										
74	10/2	1255 / 1300	WHISLER	4.5	1.54	1.17		1.8		.5/.6	6		FC59
75	11/6	1302 / 1306	"	4.0	0.99	1.82		1.8		.5	5		"
76	12/4	1227 / 1230	"	4.0	0.98	2.45		2.4		.5	5		"
77	1/8	1355 / 1400	"		CHANNELS			2.2		.5	6		FC41
78	2/5	1300 / 1310	BOWMAN	4.0	1.08	1.67		1.8		.5	7		FC59
79	3/5	1314 / 1320	WHISLER		CHANNELS			3.3		.5	7		"
80	4/2	1317 / 1322	"		"			2.6		.5	6		"
81	5/7	1316 / 1320	"		"			2.2		.5	5		"
82	5/28	1415 / 1425	"		"			2.2		.6	7		"
83	7/2	1335 / 1342	ROY		"			1.4		.5/.6	7		"
84	8/6	1124 / 1130	WHISLER	5.0	1.18	1.52		1.8		.5	6		"
85	9/3	1055 / 1110	ROY	5.0	0.88	1.48		1.3		.5/.6	9		"

DISCHARGE MEASUREMENTS OF SANTA MONICA MOUNTAIN - Coastal Drainage Area

AT NEAR Miscellaneous Points DURING THE YEAR ENDING SEPTEMBER 30, 1959

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			RUSTIC CANYON above Junction with Santa Monica Canyon										
66	10/10	1115 / 1120	SJOSTEDT	3.0	0.50	1.34		0.67		.5	5		FC50
67	10/17	1430 / 1435	"	3.0	0.58	0.91		0.53		.5	5		"
68	10/24	1515 / 1520	"	3.0	0.58	0.93		0.54		.5	5		"
69	10/31	1305 / 1315	"	3.5	0.85	0.82		0.70		.5/.6	8		"
70	11/7	1555 / 1600	"	3.0	0.65	0.86		0.56		.5	5		"
71	11/14	1345 / 1350	SJOSTEDT-CARABA	3.0	0.60	0.75		0.45		.5	5		"
72	11/27	1440 / 1445	SJOSTEDT	3.0	0.68	0.56		0.38		.5/.6	5		"
73	12/12	1415 / 1420	"	3.4	0.70	0.74		0.52		.5	6		"
74	12/26	1440 / 1450	"	5.0	0.99	0.70		0.69		.5	7		"
75	1/2	1510 / 1515	"	4.0	0.80	0.70		0.56		.5	6		"
76	1/16	1445 / 1455	"	4.0	0.80	0.82		0.66		.5	6		"
77	2/13	1540 / 1545	"	3.0	0.72	2.22		1.6		.5	5		"
78	7/3	1600 / 1605	"	4.0	1.35	0.67		0.90		.5/.6	6		"
79	7/10	1630 / 1635	"	4.0	1.49	0.74		1.1		.5	6		"
80	7/17	1050 / 1100	ROY	5.0	1.58	0.70		1.1		.5	7		"
81	7/24	1106 / 1115	BROOK-ROY	3.5	1.23	0.77		0.95		.5	6		"
82	7/24	1340 / 1350	" "	5.3	1.48	0.33		0.49		.5	8		"
83	7/31	1045 / 1055	ROY	4.5	0.94	1.03		0.97		.5	6		"
84	8/7	1128 / 1134	BROOK	1.9	0.49	1.94		0.95		.5	6		"
85	8/14	1043 / 1049	"	2.5	0.54	1.28		0.69		.5	6		"
86	8/21	1056 / 1102	"	2.4	0.53	1.48		0.77		.5	6		"
87	8/28	1108 / 1116	BROOK	2.9	0.73	1.20		0.88		.5	7		"
88	9/4	1520 / 1530	SJOSTEDT	2.2	0.37	1.65		0.61		.5	7		"
89	9/19	1105 / 1110	"	2.0	0.32	0.94		0.30		.5	5		"
90	9/25	1550 / 1600	WALTER-SJOSTEDT	2.6	0.49	1.43		0.70		.5	8		"
			ARROYO SECUIT at Mulholland Drive										
100	12/26	1240 / 1245	SJOSTEDT	1.0	0.07	0.57		0.04		.5	5		FC50
101	1/9	1320 / 1325	"	1.2	0.09	0.56		0.05		.5	6		"
102	1/23	1355 / 1405	"	1.5	0.15	0.60		0.09		.5	6		"
103	1/30	1510 / 1520	MOSES-SJOSTEDT	16.2	8.29	0.61		5.1		.5/.6	12		"
104	3/13	1450 / 1505	SJOSTEDT	16.0	6.73	0.98		6.6		.5/.6	11		"
105	6/12	1520 / 1530	"	12.0	2.50	0.48		1.2		.5	8		"
106	6/26	1405 / 1410	ROY-SJOSTEDT	5.0	1.33	0.68		0.90		.5	8		"
107	7/10	1345 / 1355	SJOSTEDT	5.0	1.70	0.41		0.69		.5	7		"
108	7/17	1320 / 1330	ROY	6.0	1.76	0.40		0.70		.5	7		"
109	7/24	1038 / 1044	BROOK-ROY	5.5	1.20	1.83		2.2		.6	7		"
110	7/24	1050 / 1100	" "	6.0	2.47	1.05		2.6		.6	7		"
111	7/31	1325 / 1335	ROY	6.0	1.60	0.36		0.57		.6	7		"
112	8/7	1327 / 1333	BROOK	4.7	1.30	0.22		0.29		.5/.6	7		"
113	8/14	1324 / 1330	"	5.0	1.40	0.18		0.25		.5	7		"
114	8/21	1320 / 1327	"	4.5	1.17	0.20		0.24		.5/.6	7		"
115	8/28	1314 / 1321	"	1.8	0.36	0.94		0.34		.5	6		"
116	9/11	1415 / 1420	SJOSTEDT	1.4	0.19	0.79		0.15		.5	6		"
117	9/25	1430 / 1435	WALTER-SJOSTEDT	1.6	0.19	0.74		0.14		.5	6		"

DISCHARGE MEASUREMENTS OF SANTA MONICA MOUNTAIN - COASTAL DRAINAGE AREA

AT NEAR Miscellaneous Points DURING THE YEAR ENDING SEPTEMBER 30, 1959

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			ARROYO SECUIT at Mulholland Drive										
118	10/9	1400 / 1410	SJOSTEDT	1.5	0.20	0.50		0.13		.5	6		FC50
119	10/23	1350 / 1355	"	1.6	0.22	0.32		0.07		.5	5		"
120	11/20	1340 / 1345	"	1.4	0.17	0.53		0.09		.5	5		"
121	12/4	1205 / 1215	BOWMAN	2.0	0.19	0.37		0.07		.5	5		"

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	S. HT. CHANGE TOTAL	METER NO.
122	3/5	1530 / 1540	SJOSTEDT	4.0	1.05	0.51		0.54		.5	6		FC50
123	3/19	1135 / 1145	"	3.0	0.92	0.36		0.33		.5 / .6	5		"
124	4/2	1530 / 1555	"	1.5	0.30	1.47		0.44		.5	6		"
125	4/16	1330 / 1335	"	1.8	0.47	1.34		0.63		.5	5		"
126	4/29	1040 / 1045	"	1.5	0.24	1.08		0.26		.5	6		"
127	5/14	1255 / 1300	"	1.5	0.22	0.95		0.21		.5	6		"
128	5/28	1125 / 1135	"	1.5	0.17	1.18		0.20		.5	6		"
129	6/11	1210 / 1220	"	1.5	0.14	1.07		0.15		.5	6		"
130	6/25	1448 / 1458	BOWMAN	1.5	0.13	1.08		0.14		.5	4		"
131	7/16	1140 / 1150	SJOSTEDT	0.80	0.06	0.83		0.05		.5	5		"
			RUSTIC CANYON above Junction with Santa Monica Canyon										
91	10/9	1555 / 1600	SJOSTEDT	2.0	0.41	1.61		0.66		.5	5		FC50
92	10/16	1545 / 1555	WALTER-SJOSTEDT	4.0	0.41	1.17		0.48		.5	5		"
93	10/23	1600 / 1605	SJOSTEDT	4.0	0.28	1.75		0.49		.5	5		"
94	11/6	1615 / 1620	"	3.0	0.30	1.90		0.57		.5	5		"
95	11/13	1530 / 1540	"	3.5	0.35	1.71		0.63		.5	6		"
96	11/20	1505 / 1515	"	4.0	0.40	1.52		0.61		.5	6		"
97	11/26	1545 / 1600	"	4.0	0.42	1.24		0.52		.5	6		"
98	12/4	1010 / 1020	BOWMAN	4.5	0.76	1.24		0.94		.5	7		"
99	12/11	1540 / 1545	SJOSTEDT	4.0	0.40	1.30		0.52		.5	6		"
100	12/18	1555 / 1605	"	4.0	0.41	1.17		0.48		.5	5		"
101	12/26	1330 / 1340	"	4.0	0.80	1.93		1.5		.5	6		"
102	1/15	1640 / 1645	"	3.0	0.84	0.98		0.82		.5	5		"
103	1/22	1610 / 1620	"	3.0	0.78	1.09		0.85		.5	5		"
104	1/29	1610 / 1620	"	3.0	0.80	0.90		0.72		.5	5		"
105	2/5	1600 / 1605	"	3.0	0.80	0.89		0.71		.5	5		"
106	2/19	1340 / 1350	"	5.0	1.19	1.43		1.7		.5	6		"
107	2/26	1615 / 1625	"	4.5	1.13	1.24		1.4		.5	6		"
108	3/12	1620 / 1630	"	4.0	0.80	1.62		1.3		.5	6		"
109	3/19	1440 / 1445	"	4.0	1.04	1.15		1.2		.5 / .6	6		"
110	3/26	1640 / 1650	"	4.0	0.58	2.03		1.2		.5	6		"
111	4/2	1640 / 1650	"	4.0	0.92	0.94		0.86		.5	6		"
112	4/9	1620 / 1630	"	4.0	1.11	0.99		1.1		.5	6		"
113	4/16	1630 / 1635	"	4.0	1.15	0.96		1.1		.5 / .6	6		"
114	4/23	1230 / 1240	"	4.0	1.67	0.58		0.97		.5	6		"
115	4/30	1555 / 1600	"	2.5	0.60	1.43		0.86		.5 / .6	6		"
116	5/7	1620 / 1630	"	3.5	0.93	0.75		0.69		.5	6		"
117	5/14	1615 / 1620	"	3.0	0.89	0.96		0.85		.5	5		"
118	5/21	1315 / 1330	"	3.0	0.63	1.13		0.71		.5	7		"
119	5/28	0915 / 0925	"	3.0	0.70	1.21		0.85		.5	5		"
120	6/4	0915 / 0925	"	3.0	0.75	1.01		0.76		.5	7		"
121	6/11	1350 / 1400	"	3.0	0.75	0.88		0.66		.5	7		"
122	6/18	1250 / 1300	"	3.0	0.75	0.93		0.70		.5	7		"
123	6/25	1031 / 1041	BOWMAN	3.5	0.47	1.28		0.60		.5	8		"
124	7/2	0915 / 0925	SJOSTEDT	2.5	0.56	1.23		0.69		.5	6		"
125	7/9	1605 / 1615	"	2.5	0.56	1.18		0.66		.5	6		"
126	7/16	1330 / 1340	"	2.5	0.52	1.06		0.55		.5	6		"
127	7/23	1315 / 1320	"	2.5	0.55	0.98		0.54		.5	6		"
128	7/30	1310 / 1320	"	2.5	0.40	1.28		0.51		.5	6		"
129	8/6	1330 / 1340	"	2.5	0.43	1.16		0.50		.5	6		"
130	8/13	0850 / 0900	"	2.5	0.44	1.20		0.53		.5	6		"
131	8/20	1230 / 1240	BOWMAN	3.0	0.81	0.63		0.53		.5	7		"
132	8/27	1150 / 1200	SJOSTEDT	2.5	0.62	1.02		0.63		.5	6		"
133	9/3	1250 / 1255	"	2.0	0.44	1.29		0.57		.5	5		"
134	9/10	1400 / 1405	"	2.0	0.45	1.27		0.57		.5	5		"
135	9/17	1250 / 1300	"	2.0	0.49	1.22		0.60		.5	7		"
136	9/24	1330 / 1335	"	2.0	0.41	1.27		0.52		.5	5		"

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER DRAINAGE AREA

AT OR NEAR Miscellaneous Points DURING THE YEAR ENDING SEPTEMBER 30, 19 56

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	S. HT. CHANGE TOTAL	METER NO.
			PACOIMA CREEK above Dam (Inflow)										
89	11/6	0912 / 0918	HYDE	1.6	0.56	0.39		0.22		.6	5		FC60
90	12/26	0855 / 0908	"	9.0	2.73	3.33		0.91		.6	7		"
91	2/21	1303 / 1320	HYDE-BARR	18.0	11.0	2.06		22.7		.6	14		FC40
92	3/5	1545 / 1600	MOSES-HYDE	14.5	11.0	1.53		16.8		.6	10		"
93	3/8	1200 / 1220	HYDE	14.0	12.3	1.45		17.8		.6	16		"
94	3/11	0840 / 0900	"	14.0	11.6	1.40		16.3		.6	15		"
95	3/13	1545 / 1600	"	15.5	9.08	1.53		13.9		.6	11		"
96	3/17	1006 / 1026	"	24.5	27.6	3.10		85.5		.6	12		"
97	4/30	1343 / 1402	HYDE-BARR	13.0	10.9	2.99		32.6		.6	14		FC58
98	5/7	1440 / 1500	HYDE	21.0	20.9	1.02		21.4		.6	15		"
99	5/12	1355 / 1415	"	21.5	19.4	0.92		17.8		.6	14		"
100	5/14	0900 / 0922	"	21.0	17.5	0.98		17.1		.6	16		"
101	5/16	1030 / 1050	"	21.0	16.3	0.99		16.2		.6	16		"
102	5/19	0840 / 0900	"	20.0	14.6	0.97		14.1		.6	16		FC40
103	5/21	0908 / 0925	"	21.0	15.8	0.83		13.1		.6	15		"
104	5/28	0845 / 0902	"	22.0	13.7	0.73		10.0		.6	15		"
105	6/4	0850 / 0910	BOWMAN	19.0	11.6	0.71		8.2		.6	11		"
106	6/6	0920 / 0937	"	18.0	11.7	0.64		7.5		.5 / .6	12		"
107	6/11	0912 / 0930	HYDE	17.0	11.3	0.64		7.2		.6	12		"
108	6/13	0816 / 0840	"	17.5	11.8	0.55		6.5		.6	13		"
109	6/18	0840 / 0900	"	17.0	7.38	0.64		4.7		.6	14		FC60
110	6/25	0905 / 0920	"	17.2	6.38	0.50		3.2		.6	13		"
111	7/2	0845 / 0903	"	17.0	5.54	0.45		2.5		.5	13		"
			PACOIMA CREEK at Duckworth Ranch Diversion										
5	8/6	1420 / 1434	HYDE-BARR	4.2	1.45	1.79		2.6		.5	8		FC58
6	8/13		HYDE					0.80		RECT. WEIR			
7	8/22	1645	"					1.1		"	"		
			PACOIMA WASH below Lopez Flood Control Basin										
17	3/31	0806 / 0820	HYDE-MILLS	9.1	4.73	2.20		10.4		.5	9		FC40
18	4/3	1805 / 1813	HYDE-FALCONE	9.7	7.92	2.60		20.6		.6	9		FC58
19	4/10	1646 / 1701	HYDE	9.4	7.69	2.52		19.4		.6	12		FC40
20	4/14	1355 / 1407	"	6.3	2.97	1.72		5.1		.6	9		"
21	4/14	1447 / 1500	"	8.8	5.15	2.10		10.8		.6	11		"
			BIG TUJUNGA CREEK above Josephine Creek										
41	5/10	1010 / 1030	HYDE	22.0	9.68	4.17		40.3		.6	13		FC58
			BIG TUJUNGA CREEK (Inflow to F.C. Can) below White Horse Canyon										
1	5/7	1000 / 1025	BOWMAN		CHANNELS			36.8		.5 / .6	18		FC44
2	6/19	1245 / 1300	HYDE	10.2	8.12	1.30		10.6		.6	11		FC40
3	7/3	1400 / 1410	"	9.0	4.13	1.84		7.6		.6	10		"
4	7/24	1135 / 1150	"	6.5	2.90	1.31		3.8		.6	10		"
			BIG TUJUNGA CREEK above Fox Creek										
39	5/10	1100 / 1115	HYDE	13.0	9.12	3.56		32.5		.6	10		FC58
			FOX CREEK near Mouth of Canyon										
55	5/29	1335 / 1345	HYDE	7.5	2.73	1.10		3.0		.5 / .6	8		FC40
56	6/12	1140 / 1150	"	5.5	2.00	1.60		3.2		.6	7		"
			BIG TUJUNGA CREEK below Fox Creek										
245	5/29	1355 / 1415	HYDE	14.5	11.7	1.59		18.6		.6	15		FC40
246	6/12	1205 / 1224	"	14.0	11.3	1.44		16.3		.6	15		"

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	S. HT. CHANGE TOTAL	METER NO.
			BIG TUJUNGA CREEK below Big Tujunga Dam (Outflow)										
88	10/3	1350 / 1405	HYDE	7.7	4.48	1.43		6.4		.6	10		FC58
89	10/10	1210 / 1225	"	7.6	4.09	1.39		5.7		.6	11		"
90	10/14	1445 / 1500	HYDE-BOWMAN	7.5	3.94	1.37		5.4		.5 .6	10		"
91	10-17	1250 / 1308	HYDE	7.5	3.90	1.31		5.1		.6	10		"
92	10/24	1350 / 1405	"	7.0	2.95	1.25		3.7		.6	9		"
93	12/23	1536 / 1549	"	7.2	2.90	1.55		4.5		.6	9		"
94	12/29	1350 / 1402	"	9.0	2.92	1.47		4.3		.6	9		"
95	7/31	1255 / 1308	"	4.5	1.71	2.22		3.8		.5 .6	7		"
96	8/7	1056 / 1105	HYDE-TURNER	7.0	1.84	2.77		5.1		.5	8		"
97	8/14	1110 / 1120	HYDE-KEPHART	9.0	1.74	2.93		5.1		.5	8		"
98	8/28	1246 / 1256	HYDE	6.7	2.01	2.48		5.0		.6	8		FC60
99	9/4	1125 / 1140	BOWMAN	7.3	2.19	2.19		4.8		.5	10		FC58
100	9/11	1238 / 1248	HYDE	7.2	2.49	1.97		4.9		.5	9		"
101	9/19	1200 / 1212	"	8.0	2.41	2.12		5.1		.6	10		"
102	9/25	1258 / 1312	"	6.8	2.27	3.04		6.9		.5	9		"
103	9/29	0800 / 0810	"	6.1	1.92	2.24		4.3		.5	8		"
			BIG TUJUNGA CREEK - L.A.W.D. Diversion to Spreading Grounds										
75	10/10	1520 / 1530	HYDE	4.0	2.03	2.06		4.2		.6	8		FC58
76	12/12	1530 / 1545	HYDE-SOLOMON	3.0	0.80	1.10		0.88		.6	6		FC60
77	1/16	1455 / 1508	HYDE	4.5	1.78	0.84		1.5		.6	8		"
78	6/26	1550 / 1600	"	4.0	2.49	1.93		4.8		.6	8		FC40
79	7/10	1522 / 1532	"		CHANNELS			4.1		.5	9		FC60
80	7/24	1456 / 1502	HYDE-BURKE	4.3	2.54	1.81		4.6		.6	7		FC40
81	9/4	1445 / 1450	BOWMAN	4.2	2.65	1.66		4.4		.5 .6	6		FC58
82	9/25	1533 / 1538	HYDE	4.5	2.90	1.75		5.1		.6	7		"
			BIG TUJUNGA CREEK above Hansen Dam										
84	11/7	1552 / 1556	HYDE	1.1	0.10	0.60		0.06		.5	4		FC60
85	1/16	1542 / 1546	"	1.8	0.34	1.09		0.37		.5	5		"
86	1/27	1245 / 1310	"		CHANNELS			29.0		.6	20		FC40
87	1/27	1345 / 1400	"	27.0	10.8	2.92		31.5		.6	16		"
88	3/5	1127 / 1140	MOSES-HYDE	23.5	10.8	2.10		22.6		.6	10		"
89	3/5	1010 / 1028	" "	15.5	12.2	2.48		30.2		.6	10		"
90	3/11	1135 / 1155	HYDE	25.7	13.5	2.89		39.0		.6	16		"
91	4/11	1033 / 1100	"	55.0	52.4	3.70		194.0		.6	19		"
92	5/12	1300 / 1315	"	24.0	30.1	1.76		52.9		.6	11		FC58
93	7/24	1537 / 1544	HYDE-BURKE	3.8	1.15	0.44		0.51		.5	6		FC60
94	9/4	1515 / 1530	BOWMAN	2.8	0.86	0.37		0.32		.5	7		"
95	9/25	1620 / 1626	HYDE	3.0	0.54	1.20		0.65		.5	5		"
			ARROYO SECO below Millard Creek										
88	3/28	1636 / 1702	HOLLERON-WALTON		CHANNELS			24.1		.6	22		FC56
89	4/15	1422 / 1452	HOLLERON		"			26.4		.6	15		"
			ARROYO SECO below Devils Gate Dam										
233	2/3	1320 / 1336	HOLLERON	15.0	11.0	4.25		46.7		.6	15		FC56
234	2/6	1256 / 1326	"		CHANNELS			43.9		.6	29		"
235	2/10	0712 / 0730	"	15.5	9.52	1.81		17.2		.6	14		"
236	2/13	1038 / 1048	"	8.0	3.97	0.81		3.2		.6	9		"
237	3/16	0200 / 0218	HOLLERON-WALTON					170.		COMPOSITE			
238	3/16	1332 / 1358	"					78.0		"			
239	3/20	1712	"					4.6		"			
240	3/21	1608 / 1654	HOLLERON					76.5		"			
241	3/24	1316 / 1345	"					7.0		"			
242	3/27	1427 / 1450	HOLLERON-WALTON					78.2		"			
243	3/31	1607	HOLLERON					8.6		"			
244	4/2	1152 / 1230	HOLLERON-WALTON					142.		"			
245	4/3	1422 / 1505	HOLLERON-WALTON					253.		COMPOSITE			
246	4/8	0917	HOLLERON					10.3		"			
247	4/8	1246 / 1310	"					52.9		"			
248	4/10	0910 / 0935	"					25.4		"			
249	4/15	1628 / 1640	"	7.0	5.31	1.22		6.5		.6	10		FC56
250	4/28	1406 / 1414	"	3.5	1.28	0.74		0.95		.5	8		FC48
251	5/1	0952 / 1000	"	2.6	1.00	0.87		0.87		.5	8		"
252	5/8	0900 / 0910	"	2.5	0.90	0.87		0.78		.5	6		"
253	5/15	0914 / 0922	MC BRIDE-HOLLERON	2.4	0.85	0.92		0.78		.6	7		"
254	5/22	0510 / 1519	HOLLERON	2.6	0.82	0.88		0.72		.6	7		"
255	5/28	0850 / 0858	"	2.5	0.76	0.93		0.71		.6	7		"
256	6/5	0902 / 0910	"	2.4	0.72	0.82		0.59		.5	7		"
257	6/11	1156 / 1203	"	2.4	0.76	0.80		0.61		.5	7		"
258	6/19	0844 / 0852	"	2.4	0.72	0.71		0.51		.5	7		"
259	6/26	1616 / 1624	"	2.4	0.61	0.54		0.34		.5	7		"
260	7/2	1616 / 1624	"	2.4	0.70	0.41		0.29		.5	7		"
261	7/10	0919 / 0925	"	2.0	0.62	0.27		0.17		.5	5		"
262	7/17	0932 / 0940	"	1.5	0.40	0.32		0.13		.5	6		"
263	7/23	0952 / 0956	"	1.0	0.24	0.25		0.06		.5	5		"
264	7/30	0956 / 0958	"	0.50	0.04	0.23		0.01		.5	3		"
			ARROYO SECO - PASADENA WATER DEPARTMENT TUNNEL below Devils Gate Dam										
52	10/3	0820	ROY					3.9	0.15	V-NOTCH WEIR			
53	10/17	0910	HOLLERON-SARASUA					3.7	0.14	"	"	"	
54	10/24	1115	HOLLERON					3.9	0.15	"	"	"	
55	10/31	1000	"					4.0	0.16	"	"	"	
56	11/7	0910	"					4.1	0.18	"	"	"	
57	11/14	0930	"					4.3	0.20	"	"	"	
58	11/21	0925	"					4.2	0.18	"	"	"	
59	11/27	1000	"					4.3	0.20	"	"	"	
60	12/5	1040	"					4.3	0.20	"	"	"	
61	12/12	0950	"					4.1	0.18	"	"	"	
62	12/19	1040	"					4.7	0.24	"	"	"	
63	12/26	0935	"					5.1	0.30	"	"	"	
64	1/2	0945	"					5.3	0.33	"	"	"	
65	1/9	0910	"					5.3	0.33	"	"	"	
66	1/16	0925	"					5.4	0.34	"	"	"	
67	1/22	0930	"					5.4	0.34	"	"	"	
68	1/30	0830	"					5.9	0.43	"	"	"	
69	2/6	1400	"					6.4	0.52	"	"	"	
70	2/13	1030	"					6.2	0.48	"	"	"	
71	3/6	0955	"					7.5	0.78	"	"	"	
72	3/13	1435	"					7.8	0.87	"	"	"	
73	3/20	1730	HOLLERON-WALTON					10.5	1.8	"	"	"	
74	3/21	1645	HOLLERON					10.6	1.9	"	"	"	
75	3/24	1345	"					11.1	2.1	"	"	"	
76	3/27	1450	"					11.6	2.3	"	"	"	
77	3/31	1620	"					11.3	2.2	"	"	"	
78	4/2	1230	"					12.2	2.6	"	"	"	
79	4/3	1505	HOLLERON-WALTON					12.7	3.1	"	"	"	
80	4/8	0940	HOLLERON					14.6	5.4	"	"	"	
81	4/10	0935	"					15.0	5.9	"	"	"	
82	4/15	1645	"					17.7	9.4	"	"	"	
83	4/24	1020	"					16.6	8.4	"	"	"	
84	4/28	1420	"					16.1	6.6	"	"	"	
85	5/1	1005	"					15.5	5.9	"	"	"	
86	5/8	0915	"					13.8	5.1	COMPOSITE			
87	5/15	0930	HOLLERON-MC BRIDE					13.0	3.7	"			
88	5/22	1525	HOLLERON					4.6	0.23	V-NOTCH WEIR			
89	5/28	0905	"					4.6	0.23	"	"	"	
90	6/5	0915	"					4.6	0.23	"	"	"	
91	6/11	1210	"					4.6	0.23	"	"	"	
92	6/19	0855	"					4.4	0.22	"	"	"	
93	6/26	1630	"					4.2	0.18	"	"	"	
94	7/2	1635	"					4.2	0.18	"	"	"	

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.-PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	B. HT. CHANGE TOTAL	METER NO.
95	7/10	0930	HOLLERON				4.0	0.16		V-NOTCH WEIR			
96	7/17	0945	"				4.0	0.16		"			
97	7/23	1000	"				4.0	0.16		"			
98	7/30	1000	"				3.9	0.15		"			
99	8/6	1156	"				3.6	0.13		"			
100	8/13	1645	"				3.3	0.10		"			
101	8/21	1155	"				3.1	0.09		"			
102	8/27	0825	ROY				2.8	0.07		"			
103	9/3	1206	"				2.8	0.07		"			
104	9/10	1150	HOLLERON				2.7	0.06		"			
105	9/17	0905	"				2.7	0.06		"			
106	9/25	0750	ROY				2.6	0.06		"			
			LAGUNA CREEK near Blanchard Street										
41	10/22	0858 / 0908	BROOK-BONADIMAN	3.4	0.89	0.79		0.71		.6	9		FC52
42	10/22	0926 / 0931	" "	2.8	0.48	1.10		0.53		.6	7		"
43	11/19	0918 / 0928	BONADIMAN	3.0	1.25	0.57		0.71		.6	8		"
44	11/19	0936 / 0946	"	4.4	0.93	0.58		0.54		.6	7		"
45	12/27	0900 / 0906	"	2.0	0.16	0.44		0.07		.6	5		"
46	12/27	0920 / 0926	"	2.5	0.36	0.42		0.15		.6	5		"
47	12/27	0947 / 0950	"	0.70	0.04	0.50		0.02		.6	3		"
48	12/27	1000 / 1002	"	1.0	0.09	0.22		0.02		.6	3		"
49	1/15	0900 / 0908	BROOK-BONADIMAN	2.6	0.63	0.94		0.59		.6	7		FC61
50	1/15	0920 / 0929	" "	2.2	0.76	0.53		0.40		.6	7		"
51	2/17	0858 / 0910	BONADIMAN	6.8	2.05	3.12		0.64		.6	9		"
52	2/17	0918 / 0930	"	4.0	0.80	0.45		0.04		.6	8		"
53	3/19	0850 / 0905	"	7.0	1.94	0.93		1.8		.6	9		"
54	4/18	0930 / 0938	"	6.1	2.66	0.53		1.4		.6	9		"
55	4/18	0950 / 1000	"	5.7	2.12	0.55		1.2		.6	9		"
56	5/16	0906 / 0912	"	7.5	2.25	0.39		0.88		.6	7		"
57	5/16	0926 / 0936	"	5.5	0.36	1.50		0.54		.6	8		"
58	6/13	0935 / 0947	"	7.5	0.82	0.71		0.58		.6	9		"
59	6/17	0912 / 0930	"	4.7	2.14	0.53		1.08		.6	10		"
60	6/17	0937 / 0952	"	8.0	4.57	0.18		0.84		.6	9		"
61	7/11	0915 / 0924	"	5.0	1.69	1.18		2.0		.6	7		"
62	7/11	0932 / 0946	"	7.0	2.89	0.55		1.6		.6	8		"
63	8/15	0900 / 0910	"	3.6	1.31	1.22		1.6		.6	7		"
64	8/15	0920 / 0930	"	3.8	1.38	1.02		1.4		.6	7		"
65	9/15	0857 / 0907	BROOK	3.6	0.77	0.92		0.71		.5 / .6	9		"
66	9/15	0920 / 0927	"	2.8	0.77	0.68		0.52		.5 / .6	7		"

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER DRAINAGE AREA

AT OR NEAR Miscellaneous Points DURING THE YEAR ENDING SEPTEMBER 30, 19 59

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.-PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	B. HT. CHANGE TOTAL	METER NO.
			FOX CREEK near Mouth of Canyon										
57	3/19	1330 / 1335	HYDE-CROKE	3.5	0.72	1.15		0.83		.5	5		FC40
58	4/30	1248 / 1253	" "	2.3	0.46	0.98		0.45		.5	5		"
			BIG TUJUNGA CREEK below Fox Creek										
247	4/30	1303 / 1313	HYDE-CROKE	6.0	3.76	0.93		3.5		.6	8		FC40
			BIG TUJUNGA CREEK (Inflow to Big Tujunga Dam) below Whitehorse Canyon										
5	3/19	1400 / 1414	HYDE-CROKE	10.0	4.86	1.27		6.2		.5 / .6	10		FC40

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.-PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	B. HT. CHANGE TOTAL	METER NO.
			BIG TUJUNGA CREEK below Big Tujunga Dam (Outflow)										
104	10/2	1315 / 1326	HYDE	7.0	2.42	1.78		4.3		.6	9		FC58
105	10/9	1213 / 1224	"	6.0	1.90	2.00		3.8		.6	8		"
106	10/16	0755 / 0805	"	7.0	2.26	1.90		4.3		.5	9		"
107	10/23	0840 / 0852	"	5.4	1.66	2.47		4.1		.5	8		"
108	10/30	1216 / 1228	"	7.6	1.69	2.07		3.5		.5	10		"
109	11/6	1245 / 1258	"	5.2	1.77	1.98		3.5		.5	8		FC40
110	11/13	1148 / 1200	"	5.2	1.78	1.96		3.5		.5	7		"
111	11/20	1240 / 1250	"	6.0	1.76	1.88		3.3		.5	9		FC40
112	12/11	1135 / 1145	"	5.9	1.67	2.04		3.4		.5	8		FC56
113	12/18	1240 / 1248	WALTER-HYDE	5.1	1.80	1.89		3.4		.5 / .6	8		FC40
114	12/18	1334 / 1345	HYDE	3.7	1.13	1.33		1.5		.5	7		"
115	12/26	1117 / 1130	HYDE-KEPHART	4.0	1.20	1.33		1.6		.5	7		"
116	1/2	1256 / 1310	HYDE	4.0	1.25	1.44		1.8		.5	7		"
117	2/11	1352 / 1410	BOWMAN	19.0	4.04	3.29		13.3		.5	12		FC6
118	2/19	1348 / 1406	HYDE-KEPHART	18.5	6.99	3.46		24.1		.6	15		FC40
119	4/9	0937 / 0947	HYDE	3.0	0.76	1.45		1.1		.5	7		"
120	5/1	1540 / 1546	"	4.5	1.55	2.20		3.4		.6	8		"
121	5/7	1257 / 1304	"	4.5	1.62	2.28		3.7		.6	7		"
122	5/28	1450 / 1500	"	4.8	1.90	1.90		3.6		.6	7		"
123	6/4	1255 / 1310	"	6.6	3.30	1.12		3.7		.6	9		"
124	6/11	1335 / 1345	"	4.8	2.14	1.78		3.8		.6	7		"
125	6/25	1207 / 1221	"	6.5	3.25	1.11		3.6		.6	9		"
126	7/2	0938 / 0952	"	6.7	3.72	1.42		5.3		.6	9		"
127	7/9	1258 / 1308	HYDE-KEPHART	6.6	3.76	1.44		5.4		.6	8		"
128	7/16	1228 / 1240	" "	6.7	3.74	1.39		5.2		.6	8		"
129	7/23	1206 / 1216	ROY-HYDE	7.0	3.67	1.23		4.5		.6	8		"
130	7/30	1218 / 1230	HYDE-KEPHART	7.0	3.78	1.32		5.0		.6	8		"
131	8/6	1320 / 1334	ROY-KEPHART	7.0	3.84	1.41		5.4		.6	9		"
132	8/6	1340 / 1350	" "	7.0	3.82	1.41		5.4		.6	8		"
133	8/13	1100 / 1120	HYDE	7.0	4.11	1.41		5.8		.6	14		"
134	8/20	1215 / 1235	"	7.2	4.18	1.32		5.5		.6	14		"
135	9/3	1332 / 1354	HYDE-KEPHART	7.5	4.00	1.38		5.5		.6	14		"
136	9/17	1245 / 1307	HYDE	7.2	3.76	1.41		5.3		.6	15		"
137	9/24	1035 / 1100	"	6.9	3.74	1.36		5.1		.6	15		"
			BIG TUJUNGA CREEK: L.A.W.D. Diversion to Spreading Grounds										
83	10/9	1532 / 1537	HYDE-SOLOMON	4.2	2.03	1.72		3.5		.6	6		FC58
84	12/26	1445 / 1455	HYDE	3.5	1.65	1.21		2.0		.6	6		FC40
85	1/29	1540 / 1548	"	4.0	2.26	1.06		2.4		.6	7		"
86	3/12	1412 / 1418	"	4.0	2.74	1.50		4.1		.6	7		"
87	4/3	0910 / 0915	"	2.5	1.03	1.84		1.9		.5	5		"
88	5/7	1552 / 1600	HYDE-SOLOMON	4.5	1.84	1.47		2.7		.5	7		"
89	6/11	1558 / 1607	" "	4.3	2.03	1.48		3.0		.6	7		"
90	8/6	1115 / 1126	ROY	4.0	1.93	1.86		3.6		.5 / .6	8		"
			BIG TUJUNGA CREEK above Hansen Dam (Inflow)										
96	10/9	1605 / 1610	HYDE	3.0	0.56	1.14		0.64		.5	5		FC60
97	10/30	1535 / 1540	"	2.7	0.52	1.40		0.73		.5	5		"
98	11/20	1540 / 1548	"	3.0	0.46	1.30		0.60		.5	6		FC40
99	12/26	1515 / 1522	"	2.0	0.69	1.25		0.86		.5	5		"
100	2/26	1550 / 1600	"	15.0	6.75	1.82		12.3		.6	10		"
101	3/12	1515 / 1520	"	3.0	0.70	0.69		0.48		.5	6		"
102	6/25	1540 / 1545	"	1.6	0.20	0.70		0.14		.5	5		"

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			ARROYO SECO below Devils Gate Dam (Outflow)										
265	1/5	0900 / 0910	HOLLERON	4.5	0.48	1.08		0.52		.5	10		FC48
266	1/8	0942 / 0948	"	1.5	0.35	0.46		0.16		.5	6		"
267	1/14	0850 / 0856	"	1.5	0.28	0.50		0.14		.5	6		"
268	1/21	1132 / 1138	"	1.5	0.28	0.43		0.12		.5	6		"
269	1/29	0815 / 0822	BOWMAN	1.5	0.31	0.48		0.15		.5	4		"
270	2/4	1105 / 1111	HOLLERON	1.5	0.34	0.50		0.17		.5	6		"
271	2/11	1456 / 1504	HOLLERON-JOHNSON	1.5	0.39	0.67		0.26		.5	6		"
272	5/13	1140 / 1145	HOLLERON	2.0	0.26	0.46		0.12		.5	5		"
273	6/30	1340 / 1348	"	2.7	0.30	1.00		0.30		.5	9		"
274	7/1	1034 / 1044	"	4.0	0.79	1.77		1.4		.5	9		"
275	7/1	1212 / 1220	"	3.5	0.57	1.40		0.80		.5	8		"
276	7/8	0952 / 1000	"	3.5	0.57	1.12		0.64		.5	8		"
277	7/15	1120 / 1128	BOWMAN	3.3	0.60	1.00		0.59		.5	8		"
278	7/23	0900 / 0908	HOLLERON	3.4	0.59	1.07		0.63		.5	8		"
279	7/29	0910 / 0922	BOWMAN	3.5	0.54	0.92		0.50		.5	9		"
280	8/5	0920 / 0930	"	3.5	0.53	0.96		0.51	FLOATS .90		9		
281	8/12	0920 / 0930	"	3.5	0.56	0.93		0.52		.5	9		FC48
			ARROYO SECO-PASADENA WATER DEPARTMENT TUNNEL below Devils Gate Dam										
107	10/1	1005	HOLLERON				2.6	0.06		"V" NOTCH WEIR			
108	10/9	1400	"				2.6	0.06		"	"	"	
109	10/16	1600	"				2.5	0.05		"	"	"	
110	10/22	1300	"				2.5	0.05		"	"	"	
111	11/5	0850	"				2.4	0.05		"	"	"	
112	11/19	0850	"				2.3	0.04		"	"	"	
113	12/3	0905	"				2.3	0.04		"	"	"	
114	12/17	1030	"				2.1	0.03		"	"	"	
115	12/31	0825	"				2.1	0.03		"	"	"	
116	1/8	0955	"				2.1	0.03		"	"	"	
117	1/14	0900	"				2.1	0.03		"	"	"	
118	1/21	1145	"				2.2	0.04		"	"	"	
119	1/29	0800	BOWMAN				2.5	0.05		"	"	"	
120	2/4	1100	HOLLERON				2.4	0.05		"	"	"	
121	2/11	1510	HOLLERON-JOHNSON				2.9	0.07		"	"	"	
122	2/17	1145	HOLLERON				2.9	0.07		"	"	"	
123	2/19	0920	"				2.9	0.07		"	"	"	
124	2/26	0915	"				2.9	0.07		"	"	"	
125	3/4	0915	"				2.9	0.07		"	"	"	
126	3/11	0835	"				2.7	0.06		"	"	"	
127	3/18	0925	"				2.8	0.07		"	"	"	
128	3/25	1400	"				2.9	0.07		"	"	"	
129	4/1	1330	"				2.7	0.06		"	"	"	
130	4/8	1100	"				2.7	0.06		"	"	"	
131	4/15	1135	"				2.9	0.07		"	"	"	
132	4/23	0855	"				2.9	0.07		"	"	"	
133	4/30	0900	BOWMAN				3.0	0.08		"	"	"	
134	5/6	1140	HOLLERON				2.9	0.07		"	"	"	
135	5/13	1155	"				3.0	0.08		"	"	"	
136	5/20	1220	"				3.0	0.08		"	"	"	
137	5/27	1145	"				2.9	0.07		"	"	"	
138	6/3	1330	"				2.8	0.07		"	"	"	
139	6/10	1125	"				2.7	0.06		"	"	"	
140	6/24	1155	"				4.3	0.20		"	"	"	
141	6/30	1400	"				4.0	0.16		"	"	"	
142	7/8	1015	"				4.0	0.16		"	"	"	
143	7/15	1100	BOWMAN				4.0	0.16		"	"	"	
144	7/23	0915	HOLLERON				3.9	0.15		"	"	"	
145	8/5	1010	BOWMAN				3.8	0.14		"	"	"	
146	8/12	0908	"				3.5	0.12		"	"	"	
147	8/19	0945	"				3.2	0.10		"	"	"	
148	8/26	0920	"				3.1	0.09		"	"	"	

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			LAGUNA CREEK above Blanchard Street										
67	10/20	0920 / 0930	BONADIMAN	4.0	1.52	0.72		1.1		.6	7		FC61
68	10/20	0952 / 1000	"	3.0	1.19	0.34		0.40		.6	6		"
69	11/17	1310 / 1318	"	4.0	0.78	0.64		0.50		.6	7		"
70	11/17	1330 / 1338	"	3.0	0.86	0.41		0.35		.6	5		"
71	12/19	0925 / 0932	"	4.0	0.88	0.85		0.75		.6	7		"
72	12/19	0942 / 0952	"	3.5	0.98	0.60		0.59		.6	7		"
73	1/16	0937 / 0947	"	3.5	0.81	0.76		0.62		.6	8		"
74	1/16	0955 / 1005	"	4.0	0.81	0.30		0.24		.6	8		"
75	3/10	0850 / 0900	"	7.0	2.05	0.22		0.45		.6	7		"
76	3/10	1010 / 1020	"	5.0	1.68	0.27		0.46		.6	7		"
77	4/22	0854 / 0904	"	4.7	0.91	0.52		0.47		.6	9		"
78	4/22	0920 / 0925	"	4.0	0.68	0.25		0.17		.6	5		"
79	5/15	0900 / 0910	"	3.0	0.51	1.49		0.76		.6	7		"
80	6/22	0925 / 0935	"	4.5	2.66	0.19		0.50		.6	7		"
81	7/17	0855 / 0904	"	2.9	0.57	1.44		0.82		.6	7		"
82	7/17	0920 / 0930	"	2.1	1.00	0.59		0.59		.6	7		"
83	8/12	0900 / 0910	"	1.9	0.54	1.15		0.62		.6	7		"
84	8/12	0935 / 0945	"	2.8	1.04	0.87		0.90		.6	8		"
85	9/16	1417 / 1426	BROOK	4.0	0.93	1.29		1.2		.5 / .6	7		"
86	9/16	1500 / 1508	"	3.2	0.63	1.35		0.85		.5 / .6	6		"

DISCHARGE MEASUREMENTS OF RIO HONDO DRAINAGE AREA

AT OR NEAR Miscellaneous Points DURING THE YEAR ENDING SEPTEMBER 30, 19 56

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			SAWPIT CREEK - Outflow from Sawpit Dam										
67	12/16	1324 / 1338	HOLLERON	3.4	1.21	0.91		1.1		.5	11		FC48
68	12/18	0904 / 0916	"	4.5	1.52	1.18		1.8		.5	10		"
69	12/26	1324 / 1332	"	3.2	0.56	0.66		0.36		.5	9		"
70	1/2	1220	"					0.21		VOLUMETRIC			
71	6/26	1413 / 1421	"	2.2	0.66	0.67		0.44		.6	8		FC48
72	7/2	1120 / 1128	"	2.2	0.61	0.90		0.55		.5	7		"
73	7/17	1422 / 1430	"	2.4	0.61	0.79		0.48		.5	7		"
74	7/23	1327 / 1335	"	2.3	0.54	0.74		0.40		.5	7		"
75	7/30	1344 / 1350	"	2.0	0.53	0.83		0.44		.5	5		"
76	8/6	0832 / 0838	"	2.0	0.42	0.55		0.23		.5	6		"
77	8/13	1205	"					0.20		VOLUMETRIC			
78	8/21	1430	"					0.20		"			
79	9/10	1540	"					0.20		"			
80	9/17	1400	"					0.15		"			
			BUENA VISTA CHANNEL above Buena Vista Pit										
12	10/3	1415 / 1430	ROY	11.5	1.11	0.87		0.97		.5	11		FC48
13	10/11	0842 / 0855	HOLLERON	4.5	0.44	0.77		0.34		.5	8		"
14	10/14	0750 / 0758	"	11.5	1.28	0.86		1.1		.5	7		"
15	10/24	1558 / 1608	"	11.8	1.01	0.75		0.76		SURF. .85	9		FLOATS
16	11/7	1525 / 1540	"	11.6	1.72	0.87		1.5		.5	13		FC48
17	11/14	1602 / 1616	"	11.6	1.76	0.80		1.4		.5	13		"
18	11/21	1344 / 1358	"	11.6	1.90	0.89		1.7		.5	13		"
19	11/27	1540 / 1555	"	11.6	1.22	0.61		0.75		.5	13		"
20	12/5	1458 / 1508	HOLLERON-FLYNN	12.4	3.16	2.97		9.4		.5	9		"

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			SANTA ANITA CREEK above Santa Anita Dam (Inflow)										
179	10/9	1357 / 1408	HOLLERON	3.0	1.09	0.49		0.53		.5	7		FC48
180	1/8	1130 / 1148	"	4.8	1.78	1.24		2.2		.6	11		"
181	1/22	1418 / 1432	"	5.0	1.71	1.05		1.8		.5	12		"
182	7/14	1316 / 1330	"					6.4		COMPOSITE			FC56
183	7/24	1026 / 1040	"					6.0		"			"
184	8/14	1028	"					5.0		"			"
185	8/19	1140 / 1154	"					4.3		"			"
186	9/18	1000 / 1016	"		CHANNELS			3.0		.6	13		FC48
			SANTA ANITA CREEK below Santa Anita Dam (Outflow)										
661	10/3	1010 / 1020	ROY		CHANNELS			1.5		.6	9		FC48
662	10/10	0908 / 0924	HOLLERON	3.0	1.36	1.10		1.5		.5 / .6	12		"
663	10/17	1030 / 1045	HOLLERON-SARASUA	3.0	1.45	1.03		1.6		.6	12		"
664	11/19	1102 / 1114	HOLLERON	2.3	0.83	0.84		0.70		.5	10		"
665	11/27	1135 / 1146	"	2.3	0.84	0.93		0.78		.5	10		"
666	12/6	0818 / 0832	"	2.3	0.86	0.88		0.76		.5	10		"
667	12/16	1639 / 1653	HOLLERON-SADDORIS					27.3		COMPOSITE			
668	12/18	1246 / 315	HOLLERON	12.0	8.30	2.61		21.7		.6	21		FC54
669	12/20	0633 / 0701	"	8.3	4.57	1.71		7.8		.6	17		FC56
670	12/24	0740 / 0754	"					7.8		COMPOSITE			FC48
671	1/26	1103 / 1122	HOLLERON-FLYNN	10.7	7.49	2.82		21.1		.6	15		FC56
672	1/30	1008 / 1030	HOLLERON	10.7	7.98	2.44		19.5		.6	17		"
673	2/3	1512 / 1526	HOLLERON-WALTON	10.9	8.17	2.66		21.7		.6	13		"
674	2/6	1632 / 1715	HOLLERON					41.9		COMPOSITE			
675	2/9	2206 / 2240	"					30.3		"			
676	2/13	1603 / 1630	"					9.1		"			
677	2/14	1325 / 1343	"	8.1	5.53	1.54		8.5		.6	15		FC56
678	2/20	1342 / 1420	"					44.3		COMPOSITE			"
679	2/25	1636 / 1658	"	15.0	10.1	2.10		21.2		.6	17		"
680	2/28	1312 / 1334	"	14.9	9.98	2.09		20.8		.6	17		"
681	3/7	0842 / 0906	"	15.2	11.9	2.53		30.1		.6	18		"
682	3/11	0810 / 0830	"	14.8	7.31	1.60		11.7		.6	18		"
683	3/15	1453 / 1513	HOLLERON-WALTON	15.6	14.4	3.11		44.7		.6	17		"
684	3/16	0356 / 0710	" "					84.6		COMPOSITE			
685	3/26	1052 / 1112	HOLLERON-LUGO	15.7	12.1	2.26		27.4		.6	18		FC56
686	3/27	1640 / 1652	HOLLERON					45.3		COMPOSITE			
687	3/31	1318 / 1344	"	15.7	11.5	1.98		24.8		.6	18		FC56
688	4/1	1723 / 1800	HOLLERON-VRADENBURG					179.		COMPOSITE			"
689	4/2	1546 / 1604	HOLLERON-WALTON					80.0		"			
690	4/5	1310 / 1334	HOLLERON-MC BRIDE					253.		"			
691	4/7	1345 / 1408	HOLLERON-ROY					120.		"			
692	4/10	1250 / 1310	HOLLERON					85.6		"			
693	4/11	1448 / 1500	"					43.7					
694	4/17	1115 / 1133	"	13.0	14.1	3.38		47.6		.6	14		FC56
695	4/21	1220 / 1236	"					32.3		COMPOSITE			
696	4/24	1136 / 1154	"	13.2	12.7	2.77		35.2		.6	15		FC56
697	4/24	1314 / 1330	"					33.9		COMPOSITE			
698	4/28	1532 / 1540	"					25.2		"			
699	5/2	0850 / 0900	"					25.3		"			
700	5/7	1000 / 1010	"					18.9		"			
701	5/7	1200 / 1218	"	16.7	9.90	1.83		18.1		.6	17		FC56
702	5/13	1030	"					15.4		COMPOSITE			
703	5/21	1054 / 1106	HOLLERON-SKINNER	11.2	14.5	1.07		15.5		.6	12		FC56
704	5/28	1200 / 1218	HOLLERON	10.3	12.2	1.07		13.1		.6	13		"
705	6/5	1250 / 1310	"	10.4	12.8	1.06		13.6		.5 / .8	13		"
706	6/11	1330 / 1348	"	10.3	12.4	1.01		12.5		.6	13		"
707	6/19	1609	"					10.3		COMPOSITE			"
708	6/19	1800	"					12.6		"			"
709	6/23	1530 / 1540	HOLLERON					9.8		COMPOSITE			FC48
710	6/27	0932 / 0934	"					14.6		"			"
711	7/3	1400 / 1414	"					10.0		"			"
712	7/10	1030 / 1100	"					11.9		"			"
713	7/17	1118 / 130	"					11.6		"			"
714	7/23	0806 / 0824	"	9.0	6.23	1.67		10.4		.6	13		FC56
715	7/24	0830 / 0844	"					11.0		COMPOSITE			FC48
716	7/24	1132 / 1146	"	11.2	9.83	1.35		13.3		.6	12		FC56
717	8/14	0846 / 0858	"	4.1	2.05	1.37		2.8		.6	10		FC48
718	8/19	0902 / 0916	"					17.1		COMPOSITE			"
719	8/21	0830 / 0848	"	11.0	9.43	1.70		16.0		.6	13		FC56
720	8/21	0857 / 0945	"					17.0		COMPOSITE			FC48
721	9/4	0730 / 0945	ROY	3.2	0.69	0.97		0.67		.5 / .6	7		"
722	9/4	1130 / 1140	"	5.0	1.40	1.86		2.6		.5 / .6	8		"
723	9/11	0924 / 0934	HOLLERON	5.1	2.24	1.38		3.1		.6	10		FC56
724	9/18	0840	"					9.8		COMPOSITE			FC48
725	9/25	1130 / 1142	ROY	5.0	2.35	0.89		2.1		.6	8		"
			SANTA ANITA CREEK below Spreading Grounds Diversion										
147	10/22	0841 / 0855	HOLLERON	3.9	1.13	1.95		2.2		.5	12		FC48
148	10/31	1128 / 1140	"	3.3	1.03	2.14		2.2		.5	10		"
149	11/7	1005 / 1019	"	3.5	1.03	2.04		2.1		.5	11		"
150	11/14	1150 / 1206	"	3.5	1.05	2.00		2.1		.5	13		"
151	12/6	1552 / 1612	"	7.2	1.32	1.51		2.0		.5	15		"
152	12/12	1116 / 1136	"		CHANNELS			1.8		.5	20		"
153	12/16	1610 / 1628	"	7.9	2.27	0.97		2.2		.5	16		"
154	12/16	1639 / 1653	HOLLERON-SADDORIS	7.9	2.57	1.24		3.2		.5 / .6	17		"
155	12/18	1328 / 1342	HOLLERON	10.0	2.32	1.90		4.4		.5	11		"
156	12/20	0633 / 0701	HOLLERON					3.1		COMPOSITE			FC54
157	12/24	0740 / 0754	"	5.8	1.56	2.24		3.5		.5 / .6	11		FC48
158	12/24	1012 / 1028	"	6.0	1.30	2.85		3.7		.5	13		"
159	12/26	1120 / 1134	"	6.0	1.54	2.08		3.2		.5	13		"
160	1/2	1050 / 106	"	6.0	1.56	2.05		3.2		.5	13		"
161	1/3	1134 / 1144	"	4.2	1.52	2.30		3.5		.5	10		FC56
162	1/3	1528 / 1540	"	4.2	1.98	1.73		1.7		.5	10		FC48
163	1/9	1018 / 1032	"	4.4	1.06	1.51		1.6		.5	10		"
164	1/16	1106 / 1122	"	4.6	1.08	1.48		1.6		.5	13		"
165	1/22	1254 / 1310	"	4.3	1.11	1.53		1.7		.5	12		"
166	1/30	1124 / 1136	"	4.7	1.50	2.33		3.5		.5	10		"
167	1/31	0826 / 0842	"	5.3	1.65	2.00		3.3		.5	11		"
168	2/3	1535 / 1545	HOLLERON-WALTON	5.0	1.65	2.06		3.4		.5 / .6	10		"
169	2/4	0945 / 1000	" "	16.2	14.2	3.52		49.9		.6	17		FC56
170	2/6	1632 / 1646	HOLLERON	16.5	10.1	1.21		12.2		.6	14		"
171	2/9	2206 / 2216	"	8.2	2.82	1.24		3.5		.5	10		FC48
172	2/13	1603 / 1616	"	5.1	1.65	1.88		3.1		.2	11		"
173	2/14	1325 / 1400	"					3.5		COMPOSITE			"
174	2/20	1342 / 1402	HOLLERON-WALTON	16.8	10.2	2.41		24.6		.6	18		FC56
175	2/25	1636 / 1720	HOLLERON					9.7		COMPOSITE			"
176	2/28	1345 / 1355	"	10.4	3.1	1.23		3.8		.5	11		FC48
177	3/11	0848 / 0858	"	5.2	1.96	1.43		2.8		.5	11		"
178	3/16	0356 / 0410	HOLLERON-WALTON	26.0	19.2	3.33		63.8		.6	14		FC56
179	3/18	0852 / 0910	HOLLERON	17.0	10.5	1.79		18.8		.6	14		"
180	3/26	1122 / 1132	HOLLERON-LUGO	12.4	5.41	1.31		7.1		.6	12		"
181	3/27	1640 / 1652	HOLLERON-WALTON	18.5	9.30	2.51		23.3		.6	10		"
182	4/1	1548 / 1602	HOLLERON-VRADENBURG	26.5	20.4	6.42		131.		.6	14		"
183	4/2	1546 / 1604	HOLLERON-WALTON	20.0	18.7	2.84		53.0		.6	19		"
184	4/3	2105 / 2122	HOLLERON-STUNDEN					293.		COMPOSITE			"
185	4/7	1345 / 1408	HOLLERON-ROY	26.0	31.6	3.42		108.		.6	20		"
186	4/10	1250 / 1310	HOLLERON	23.5	25.1	2.74		68.7		.6	20		"
187	4/11	1448 / 1500	"	21.0	17.2	1.56		26.8		.6	12		"
188	4/17	1124	"					28.9		COMPOSITE			"

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	D. HT. CHANGE TOTAL	METER NO.
189	4/21	1220 / 1236	HOLLERON	6.4	5.49	2.11		11.6		.6	12		FC56
190	4/24	1314 / 1330	"	7.3	7.48	1.56		11.7		.6	16		"
191	4/28	1526 / 1538	HOLLERON-WALTON	4.5	3.63	1.10		4.0		.6	10		FC48
192	5/2	0850 / 0900	HOLLERON	4.6	3.47	1.24		4.3		.6	10		"
193	5/7	1000	"					0.60		WEIR			
194	5/21	1128 / 1136	HOLLERON-SKINNER	3.5	1.32	0.55		0.72		.5	8		FC48
195	6/11	1424 / 1436	HOLLERON	10.0	2.66	1.20		3.2		.5	11		"
196	6/19	1032 / 1038	"	10.0	4.12	1.92		7.9		.6	11		"
197	6/19	1602 / 1614	"	10.0	3.44	1.63		5.6		.6	11		"
198	6/23	1530 / 1540	"	10.0	2.34	0.64		1.5		.6	11		"
199	6/27	0822 / 0834	"	10.0	3.95	1.52		6.0		.6	11		"
200	7/3	1400 / 1414	"	10.0	3.50	1.49		5.2		.6	11		"
201	7/10	1030 / 1044	"	10.0	2.50	1.16		2.9		.5	11		"
202	7/17	1118 / 1130	"	10.0	2.47	1.14		2.8		.6	11		"
203	7/24	0830 / 0844	"	10.0	2.12	0.94		2.0		.5	11		"
204	7/28	1120 / 1136	"	6.8	1.74	1.61		2.7		.5	15		"
205	7/31	0806 / 0824	"	7.0	1.69	1.66		2.8		.5	15		"
206	8/7	0812 / 0824	"	8.5	1.89	1.48		2.8		.5	10		"
207	8/19	0902 / 0916	"	10.0	1.61	1.18		1.9		.5	11		"
208	8/21	0857 / 0911	"	10.0	1.69	1.30		2.2		.6	11		"
209	8/28	0820 / 0832	ROY	6.7	4.08	0.56		2.3		.6	10		"
210	8/28	0940 / 0958	"	6.8	4.07	0.84		3.4		.6	10		"
211	9/18	0832 / 0846	HOLLERON	5.0	1.79	1.40		2.5		.6	11		"
			EATON CREEK above Eaton Dam (Inflow)										
61	3/16	1025 / 1035	HOLLERON-WALTON	20.4	10.2	4.41		45.0		.6	12		FC56
62	3/19	1500 / 1514	HOLLERON	10.8	2.89	1.70		4.9		.5	12		FC48
63	4/15	1242 / 1254	"	9.7	6.82	1.83		12.5		.6	11		FC56

DISCHARGE MEASUREMENTS OF RIO HONDO DRAINAGE AREA

AT OR NEAR Miscellaneous Points DURING THE YEAR ENDING SEPTEMBER 30, 19 56

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	D. HT. CHANGE TOTAL	METER NO.
			SAWPIT CREEK above Sawpit Dam (Inflow)										
16	2/5	1340 / 1348	HOLLERON	1.8	0.29	1.76		0.51		.5	7		FC48
			SAWPIT CREEK below Sawpit Dam (Outflow)										
81	10/2	1145	HOLLERON-NARDI					0.22		VOLUMETRIC			
82	10/9	1106	HOLLERON					0.25		"			
83	10/16	1048 / 1054	"	1.9	0.30	0.77		0.23		.5	6		FC48
84	10/23	1404 / 1410	"	2.0	0.59	0.56		0.33		.5	6		"
85	11/13	1106 / 1114	"	2.4	0.88	0.65		0.57		.6	7		"
			SANTA ANITA CREEK above Santa Anita Dam (Inflow)										
187	10/23	1602 / 1614	HOLLERON					3.1		COMPOSITE			
188	11/7	0823 / 0837	"					3.0		"			
189	11/20	1444 / 1456	"					3.0		"			
190	12/4	1352 / 1406	"					2.6		"			
191	12/18	1156 / 1208	"					2.4		"			
192	1/2	0840 / 0854	"					2.5		"			
			SANTA ANITA CREEK below Santa Anita Dam (Outflow)										
726	10/2	0810 / 0824	HOLLERON-NARDI	5.4	2.41	0.87		2.1		.6	11		FC48
727	10/9	1444 / 1500	HOLLERON	5.4	2.67	1.05		2.8		.6	11		"
728	10/16	1210 / 1224	"	5.7	2.11	1.42		3.0		.6	12		"
729	10/23	1500 / 1512	"	5.1	2.37	1.27		3.0		.6	11		"
730	10/31	1238 / 1252	"	4.1	2.03	1.48		3.0		.6	11		"
731	11/6	1503 / 1517	"	4.1	2.03	1.53		3.1		.6	11		"
732	11/13	1246 / 1300	"	4.1	2.10	1.52		3.2		.6	11		"
733	11/20	1342 / 1356	HOLLERON	4.1	2.16	1.48		3.2		.6	11		FC48
734	11/26	1422 / 1434	"	4.1	2.20	1.41		3.1		.6	11		"
735	12/4	1243 / 1255	"	4.1	2.32	1.29		3.0		.6	11		"
736	12/11	1321 / 1335	"	4.1	2.48	1.21		3.0		.6	11		"
737	12/18	1438 / 1502	"	4.1	1.98	1.31		2.6		.6	11		"
738	12/23	1516 / 1528	"	2.6	1.27	1.58		2.0		.6	10		"
739	12/31	1106 / 1116	"	2.6	1.37	1.53		2.1		.6	10		"
740	1/7	1416 / 1428	"	9.0	4.75	3.58		17.0		.6	10		FC56
741	1/9	1544 / 1556	BROOK	4.5	1.56	1.41		2.2		.5 / .6	10		FC35
742	1/9	1605 / 1612	"	4.7	1.63	1.58		2.5		.5 / .6	7		"
743	1/22	1002 / 1008	HOLLERON	2.6	0.71	0.48		0.34		.6	7		FC48
744	1/29	1230 / 1240	BOWMAN	5.0	1.32	1.67		2.2		.5	8		"
745	2/5	0830 / 0844	HOLLERON	6.9	1.70	1.53		2.6		.5	12		"
746	2/11	1252 / 1308	HOLLERON-JOHNSON	15.5	8.30	2.83		23.5		.6	16		FC56
747	2/16	1730 / 1740	ROY-PETERSON	22.5	9.72	4.75		46.1		.5 / .6	12		FC51
748	2/17	1410 / 1421	HOLLERON-ROY	14.8	9.87	3.04		30.0		.6	14		FC56
749	2/20	0928 / 0946	HOLLERON	9.0	6.03	2.15		13.0		.6	14		"
750	2/26	1146 / 1158	"	5.6	1.72	1.98		3.4		.6	12		FC48
751	3/5	1555 / 1609	"	11.7	8.66	2.89		25.0		.6	12		FC56
752	3/12	0856 / 0908	"	5.5	1.62	2.16		3.5		.5 / .6	12		FC48
753	3/19	0922 / 0936	"	5.8	1.86	1.99		3.7		.6	13		"
754	3/26	1332 / 1346	"	5.7	1.93	1.82		3.5		.6	13		"
755	4/2	1530 / 1540	"	5.8	1.97	1.78		3.4		.6	13		"
756	4/9	0846 / 0858	"	5.3	2.11	1.66		3.5		.6	12		"
757	4/16	1033 / 1045	"	5.4	2.04	1.72		3.5		.6	12		"
758	4/20	1014 / 1028	"	8.4	5.28	1.88		9.9		.6	14		FC56
759	4/22	0815 / 0827	"	7.5	4.03	1.29		5.2		.6	13		"
760	4/23	1018 / 1032	"	8.0	4.99	1.54		7.7		.6	14		"
761	4/30	0830 / 0844	"	8.1	4.54	1.63		7.4		.6	14		"
762	5/7	0928 / 0936	"	4.8	1.85	1.08		2.0		.6	10		"
763	5/14	0825 / 0835	"	4.8	1.90	1.05		2.0		.6	11		"
			SANTA ANITA CREEK below Spreading Grounds Diversion										
212	2/19	1012	HOLLERON	4.0	1.14	1.75		2.0		.5	9		FC48

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER DRAINAGE AREA

AT OR NEAR Miscellaneous Points DURING THE YEAR ENDING SEPTEMBER 30, 19 56

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	D. HT. CHANGE TOTAL	METER NO.
			SAN GABRIEL RIVER-WEST FORK - Miscellaneous Tributaries above Cogswell Dam										
			SAN GABRIEL - West Fork										
	5/23	1410 / 1424	DE VORE-WINDER	20.0	9.39	1.67		15.7		.5 / .6	12		FC22
			DEVILS CANYON										
	5/23	1533 / 1545	DE VORE-WINDER	18.4	10.8	0.60		6.5		.6	10		FC22
			TUMBLER CANYON										
	5/23	1450	DE VORE				EST.	0.5					
			CEDAR CANYON (Kenyon Falls)										
	5/23	1445	DE VORE				EST.	1.0					
			LOBO CANYON										
	5/23	1440	DE VORE				EST.	0.25					
			VARIOUS UNNAMED SIDE CANYONS										
	5/23	1400 / 1500	DE VORE				EST.	0.4					
					TOTAL INFLOW			24.35					

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	S. HT. CHANGE TOTAL	METER NO.
			SAN GABRIEL RIVER-WEST FORK - Miscellaneous Tributaries (Owl and Coyote Canyons) below Cogswell Dam										
56	2/20	1301 / 1310	DE VORE	2.5	0.60	0.88		0.53	.5 / .6	7			FC62
57	2/27	1129 / 1135	"	2.4	0.21	0.71		0.15	.5	6			"
58	3/6	1516 / 1522	DE VORE-KEIM	2.2	0.21	0.62		0.13	.5	6			"
59	3/13	1053 / 1101	DE VORE	1.2	0.14	0.79		0.11	.5	6			"
60	5/8	1152 / 1155	"	0.8	0.07	1.00		0.07	.5	3			"
61	5/8	1205 / 1210	"	1.1	0.09	0.51		0.05	.5	5			"
			SAN GABRIEL RIVER-WEST FORK above Bear Creek										
172	10/10	0932 / 0946	DE VORE	11.3	5.85	1.26		7.4	.5 / .6	12			FC22
173	11/7	1411 / 1421	"	4.6	1.24	0.81		1.0	.5 / .6	8			FC62
174	11/21	1407 / 1416	"	4.2	1.04	0.67		0.66	.5 / .6	8			"
175	11/27	1241 / 1246	BROOK	4.0	0.98	0.52		0.51	.5	6			FC35
176	1/16	1140 / 1154	"	6.2	3.26	0.70		2.3	.5 / .6	8			"
177	1/30	1308 / 1333	TWITTY-DE VORE	22.7	21.2	1.48		31.3	.6	12			FC22
178	3/11	1415 / 1425	WOOD	19.0	14.0	1.58		22.2	.5 / .6	11			FC57
179	7/10	1304 / 1317	DE VORE	31.0	41.4	0.60		25.0	.6	11			FC22
			BEAR CREEK above Junction with San Gabriel River										
160	10/10	0917 / 0924	DE VORE	2.2	0.48	0.42		0.20	.5	6			FC22
161	11/7	1000 / 1011	"	9.3	3.99	0.95		3.8	.5 / .6	10			"
162	11/21	1425 / 1436	"	8.8	3.41	0.70		2.4	.5 / .6	10			FC62
163	11/27	1221 / 1231	BROOK	7.0	2.36	1.31		3.1	.5 / .6	9			FC35
164	1/16	1205 / 1225	"	9.5	3.79	1.98		7.5	.5 / .6	11			"
165	1/30	1344 / 1400	TWITTY-DE VORE	9.4	4.89	3.01		14.7	.6	11			FC22
166	3/11	1338 / 1350	WOOD	17.5	14.9	3.63		53.6	.5 / .6	12			FC57
167	9/18	0900 / 0915	DE VORE	12.3	6.22	0.93		5.8	.5 / .6	12			FC18
			SAN GABRIEL RIVER-NORTH FORK above Junction with West Fork										
173	10/10	0846 / 0859	DE VORE	6.9	2.13	0.89		1.9	.5 / .6	10			FC22
174	11/7	1440 / 1450	"	8.7	3.62	0.75		2.7	.5 / .6	9			"
175	11/21	1457 / 1506	"	8.9	3.93	0.69		2.7	.5 / .6	10			FC62
176	11/27	1309 / 1313	BROOK	6.0	3.88	0.62		2.4	.5 / .6	8			FC35
177	1/16	1240 / 1254	"	7.5	3.30	1.64		5.4	.5 / .6	10			"
178	1/30	1414 / 1433	TWITTY-DE VORE	8.2	6.20	1.24		7.7	.6	12			FC22
179	3/11	1249 / 1305	WOOD	13.1	11.0	2.08		22.6	.5 / .6	12			FC57
180	7/10	1631 / 1641	DE VORE	18.2	10.5	1.30		13.7	.5 / .6	11			FC22
181	9/18	1652 / 1701	"	18.3	14.2	0.54		7.6	.6	10			FC18
			SAN GABRIEL RIVER-CATTLE CANYON above East Fork										
83	10/3	1640 / 1647	DE VORE-BLAKELY	6.8	2.75	0.62		1.7	.5	8			FC22
84	11/14	1609 / 1617	DE VORE	7.1	3.01	1.09		3.3	.5 / .6	8			"
85	11/27	1445 / 1456	BROOK	8.2	3.96	0.76		3.0	.5 / .6	11			FC35
86	12/12	1615 / 1626	DE VORE	8.1	3.03	1.29		3.9	.5 / .6	10			FC62
87	1/6	1515 / 1538	KEIM-DE VORE	8.8	4.98	2.11		10.5	.5 / .6	9			FC22
88	1/23	1617 / 1626	DE VORE	8.0	4.00	1.96		7.8	.6	8			"
89	3/26	1506 / 1516	"	17.4	14.4	4.86		69.9	.6	10			"
			SAN GABRIEL RIVER + Miscellaneous Tributaries above San Gabriel Dam										
			PERSINGER CANYON										
	5/19	1128 / 1138	DE VORE - WOOD	5.1	1.67	0.60		1.0	.5	10			FC62
			GENEVIEVE CANYON										
	5/19	1150	DE VORE				EST.	0.1					
			RAINBOW CANYON										
	5/19	1205 / 1211	DE VORE - WOOD	2.2	0.31	0.58		0.18	.5	6			FC62
			SCHOOL CANYON										
	5/19	1045	WOOD-DE VORE				EST.	0.1					
			TANK CANYON										
	5/19	1100	DE VORE - WOOD				EST.	0.02					
			BURRO CANYON										
	5/19	1536 / 1545	WOOD-DE VORE	2.5	0.37	1.43		0.53	.5	8			FC53
			MINERO CANYON										
	5/19	1438 / 1445	DE VORE	1.0	0.30	0.43		0.13	.6	5			FC62
			SHANTY TOWN CANYON										
	5/19	1500	DE VORE				EST.	0.03					
			VENEDO CANYON										
	5/19	1231 / 1235	DE VORE - WOOD	CHANNELS				0.50	.5	8			FC62
			POLE CAT GULCH										
	5/19	1113 / 1115	DE VORE - WOOD	2.0	0.45	0.76		0.34	.5	7			FC62
			GRAVEYARD CANYON										
	5/19	1445 / 1458	WOOD	5.5	1.13	1.05		1.2	.5	12			FC53
			SUSANNA CANYON										
	5/19	1508 / 1520	WOOD	4.0	1.04	0.68		0.71	.5	10			FC53
			RINCON CANYON										
	5/19	1620	DE VORE	2.5	0.50	1.14		0.57	.5	8			FC62
			TOTAL SIDE FLOW					5.4					
			SAN GABRIEL RIVER above San Gabriel Dam										
216	6/23	1654 / 1708	DE VORE - KEIM	CHANNELS				159.	.6	16			FC22
217	6/25	1348 / 1410	DE VORE	27.8	39.6	4.04		160.	.6	15			"
218	6/30	1153 / 1208	DE VORE - SJOSTEDT	24.5	35.5	4.16		147.	.6	14			"
219	7/7	1434 / 1454	DE VORE	24.3	33.2	3.80		126.	.6	14			"
220	7/22	1330 / 1350	SJOSTEDT	24.0	36.8	3.61		132.	.6	13			"
221	7/29	1300 / 1320	"	24.0	35.7	4.09		146.	.6	13			"
222	8/11	1049 / 1111	DE VORE	24.7	36.4	4.01		146.	.6	14			"
			SAN GABRIEL RIVER + AZUSA CONDUIT at Morris Dam										
8	3/10	0952 / 1036	DE VORE - KEIM	4.1	21.6	3.96		85.6	.2 / .8	10			FC22
9	3/10	1106 / 1143	" "	5.1	27.4	3.16		86.8	.2 / .8	12			"
10	3/17	1549 / 1619	" "	6.4	27.1	3.30		89.4	.2 / .8	14			"
11	3/24	0956 / 1036	" "	6.4	28.5	3.15		89.7	.2 / .8	14			"
12	3/31	1509 / 1607	" "	6.4	28.4	3.13		89.0	.2 / .8	14			"
13	4/8	1014 / 1050	" "	6.4	29.6	2.96		87.7	.2 / .8	14			"
14	4/14	0953 / 1028	" "	6.4	28.1	3.14		88.1	.2 / .8	14			"
15	4/22	1001 / 1037	" "	6.4	29.3	2.95		86.4	.2 / .8	14			"
16	4/29	0923 / 1005	DE VORE	6.4	30.5	2.78		85.0	.2 / .8	14			"
17	5/6	0929 / 1007	"	6.4	29.2	2.88		84.1	.2 / .8	14			"
18	5/12	1001 / 1044	"	6.4	29.0	2.94		85.3	.2 / .8	14			"
19	5/20	1009 / 1051	"	6.4	27.5	3.36		92.2	.2 / .8	14			"
20	5/26	1007 / 1053	"	6.4	29.1	3.20		93.0	.2 / .8	14			"
21	6/12	1055 / 1131	"	6.4	28.9	3.31		95.8	.2 / .8	14			"
22	6/9	0946 / 1040	DE VORE - DAVEY	6.4	30.0	3.03		91.0	.2 / .8	14			FC22 FC18
23	6/16	0959 / 1041	" "	6.4	29.1	3.22		96.0	.2 / .8	14			FC18
24	6/24	1337 / 1410	DE VORE - KEIM	6.4	31.1	3.04		94.7	.2 / .8	14			FC22
25	6/30	1018 / 1050	DE VORE - SJOSTEDT	6.4	28.6	3.24		91.5	.2 / .8	14			"
26	7/11	1113 / 1203	DE VORE	6.4	29.0	3.08		84.4	.2 / .8	14			"
27	7/18	1230 / 1305	SJOSTEDT	6.4	30.0	2.91		88.1	.2 / .8	14			"
28	7/25	1018 / 1100	"	6.4	30.3	2.95		89.3	.2 / .8	14			"

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			SAN GABRIEL RIVER below San Gabriel Dam										
268	6/23	1038 / 1102	DE VORE-KEIM	106.	90.9	6.20		564.		.6	17		FC22
269	6/24	0956 / 1028	" "		CHANNELS			311.		.6	28		"
270	6/24	1126 / 1156	" "		"			326.		.6	30		"
271	6/25	1456 / 1512	DE VORE-MILLER	40.4	38.7	5.68		220.		.6	13		"
272	6/30	0924 / 0944	SJOSTEDT-DE VORE	32.0	31.8	6.04		192.		.6	17		"
273	7/7	0937 / 0951	DE VORE-MILLER	47.0	32.8	5.03		165.	.5	.6	12		"
274	8/22	1341 / 1350	DE VORE	3.2	0.65	0.96		0.65		.5	7		FC62
275	8/26	0956 / 1004	"	3.2	0.78	0.78		0.61		.5	7		"
276	9/2	0943 / 0951	"	3.2	0.78	0.78		0.61		.6	7		"
277	9/12	1036 / 1048	"	3.2	0.93	0.80		0.73		.5	8		"
278	9/16	1008 / 1019	"	3.3	0.92	0.87		0.80		.5	8		"
279	9/23	0911 / 0921	"	3.3	0.93	0.91		0.85		.5	8		"
			SAN GABRIEL RIVER - Miscellaneous Tributaries above Morris Dam										
			SOUTH QUARRY CANYON										
	5/21	1535	DE VORE-WATKINS				EST.	0.1					
			NORTH QUARRY CANYON										
	5/21	1515	" "				EST.	0.03					
			DOUBLE CANYON										
	5/21	1050	DE VORE				EST.	0.01					
			GARCIA CANYON										
	5/21	1029 / 1038	DE VORE-MARSHALL	2.3	0.43	0.77		0.33		.5	8		FC62
			SHARPS CANYON										
	5/21	0959 / 1009	" "	4.5	0.78	0.68		0.53		.5	8		"
			PINE CANYON										
	5/21	0934 / 0943	DE VORE	2.2	0.42	0.67		0.28		.5	7		"
			WATER CANYON										
	5/21	1144 / 1152	"	2.1	0.39	1.13		0.44		.5	7		"
			ISLIP CANYON										
	5/21	1315 / 1323	"	2.2	0.46	1.15		0.53	.5	.6	7		"
			BROWN'S GULCH										
	5/21	1342 / 1356	"	4.95	1.64	0.82		1.3		.6	12		"
			SAN GABRIEL - COMMITTEE OF NINE TUNNEL below Canyon Road Bridge										
11	7/31	1504 / 1516	HOLLERON		CHANNELS			9.7		.6	10		FC56
12	8/14	1502 / 1514	"		"			8.0		.6	11		"
13	8/20	1124 / 1133	HOLLERON-MC BRIDE	9.0	6.78	2.47		16.7		.6	10		"
			SAN GABRIEL RIVER above Azusa Duarte Tunnel										
24	7/24	1514 / 1536	HOLLERON	24.0	40.8	1.98		80.8		.6	14		FC56
			SAN GABRIEL RIVER below Azusa Duarte Tunnel										
23	7/3	0842 / 0902	HOLLERON	17.0	20.4	1.78		36.3		.6	16		FC56
24	7/10	1448 / 1506	"	14.0	14.5	1.28		18.6		.6	15		"
25	7/17	1633 / 1659	"	18.0	25.9	1.85		47.8		.6	19		"
26	8/7	1310 / 1340	"	18.5	25.6	1.67		42.8		.6	17		"
			FISH CREEK above Junction with San Gabriel River										
52	12/19	1415 / 1422	HOLLERON	4.5	1.56	1.28		2.0	.5	.6	10		FC48

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			FISH CANYON SPREADING GROUNDS INTAKE										
98	10/10	1424 / 1436	HOLLERON	10.0	5.81	0.96		5.6		.6	11		FC48
99	10/17	1355 / 1405	HOLLERON-SARASUA	10.5	7.39	1.23		9.1		.6	11		FC56
100	11/14	1424 / 1436	HOLLERON	9.0	4.53	0.84		3.8		.6	10		FC48
101	12/26	1526 / 1540	"	10.8	7.61	1.86		14.2		.6	12		FC54
102	1/23	1040 / 1052	"	9.3	5.64	1.21		6.8		.6	10		FC56
103	1/30	1408 / 1422	"	10.9	8.70	1.86		16.2		.6	13		"
104	4/23	0908 / 0918	"	10.8	8.89	1.56		13.8		.6	11		"
105	5/28	1530 / 1542	"	10.8	8.97	1.23		11.0		.6	12		"
			DUARTE DITCH RETURN at Van Tassel Canyon										
72	10/10	1448 / 1500	HOLLERON	8.5	2.72	1.21		3.3		.5	10		FC48
73	10/24	1358 / 1412	"	11.0	3.56	0.90		3.2		.5	13		"
74	10/31	1445 / 1455	"	2.2	0.67	0.61		0.41		.5	10		"
75	11/7	1402 / 1412	"	2.3	0.97	1.14		1.1	.5	.6	10		"
76	11/27	1422 / 1436	"	8.8	2.80	0.89		2.5	.5	.6	12		"
77	12/9	1423 / 1437	"	8.3	3.62	0.50		1.8		.6	13		"
78	12/12	1456 / 1510	"	4.4	1.68	1.31		2.2		.5	12		"
79	1/2	1410 / 1418	"	2.2	0.58	0.74		0.43		.5	8		"
80	1/23	1056 / 1104	"	2.4	0.68	1.00		0.68		.5	7		"
81	5/28	1510 / 1520	"	8.9	1.48	0.81		1.2		.6	9		"
82	9/4	1253 / 1305	ROY	2.5	1.38	1.04		1.4		.6	6		"
			LITTLE DALTON WASH at Gladstone Avenue										
21	7/31	1612 / 1624	MC-BRIDE	5.6	1.67	0.84		1.4		.5	8		FC49
22	9/25	1747 / 1755	SARASUA	3.5	1.24	1.37		1.7		.6	7		"
			BIG DALTON WASH at Ben Lomond Avenue										
34	10/24	1350 / 1400	SARASUA-MIDDLETON	9.5	2.06	1.65		3.4		.5	10		FC45
35	11/14	1615 / 1625	MIDDLETON	14.5	2.83	1.06		3.0		.5	9		FC49
36	11/21	0845 / 0855	SARASUA-MIDDLETON	13.0	2.67	1.24		3.3		.5	8		"
37	1/13	1620 / 1635	SARASUA	8.0	3.33	1.05		3.5		.5	10		FC43
38	1/30	1620 / 1632	"	3.2	0.58	0.23		0.13		.5	7		FC49
39	7/23	1739 / 1756	MC BRIDE		CHANNELS			1.4	.5	.6	14		"
40	9/11	1650 / 1702	SARASUA	5.5	2.89	1.72		5.0		.6	12		"
41	9/25	1450 / 1500	"	4.5	1.13	1.77		2.0		.6	10		"
			SAN DIMAS CREEK above San Dimas Dam										
118	11/7	1048 / 1052	MIDDLETON	2.0	0.30	1.33		0.40		.5	5		FC49
119	11/14	0853 / 0858	"	1.8	0.25	1.16		0.29		.5	6		"
120	11/27	0825 / 0835	SARASUA-MIDDLETON	1.8	0.22	0.91		0.20		.5	7		"
121	12/5	1040 / 1045	SARASUA	7.5	1.26	1.75		2.2		.5	8		"
122	12/19	1110 / 1135	"	7.5	1.50	2.47		3.7		.5	14		"
123	1/9	0945 / 0955	"	2.4	0.44	1.27		0.56		.5	7		"
124	1/16	1020 / 1025	"	2.5	0.33	1.69		0.56		.6	6		"
125	1/16	1055 / 108	"		CHANNELS			0.63		.5	13		"
126	2/13	1038 / 1050	"	6.0	1.96	2.30		4.5		.5	9		FC43
127	3/6	1440 / 1505	"	12.0	4.74	3.75		17.8		.6	11		"
128	3/13	1120 / 1130	"	10.9	3.61	2.05		7.4		.6	10		"
129	4/16	0755 / 0810	"	11.0	11.3	2.82		31.9		.6	13		FC54
130	5/15	1122 / 1135	"	10.5	6.88	1.23		8.5		.6	14		"
131	5/22	1117 / 1131	SARASUA	11.0	6.43	1.07		6.9		.6	15		"
132	5/29	1053 / 1105	SARASUA-MC BRIDE	10.5	6.12	0.83		5.1	.5	.6	14		"
133	6/5	1113 / 1130	MC BRIDE-SARASUA	8.7	3.45	1.42		4.9		.6	13		"
134	6/12	1040 / 1051	SARASUA-BURKE	8.4	2.94	1.62		4.8		.6	13		FC49

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			SAN DIMAS CREEK - OLD WATER TUNNEL below San Dimas Dam										
55	10/3	1008 / 1012	MIDDLETON	0.6	0.04	0.25		0.01	.5	4			FC49
56	10/17	1058 / 1100	"	0.9	0.06	0.33		0.02	.5	4			"
57	10/24	1103 / 1107	SARASUA-MIDDLETON	0.6	0.04	0.25		0.01	.5	4			"
58	11/7	1124 / 1127	MIDDLETON	0.6	0.04	0.50		0.02	.5	4			"
59	11/14	0808 / 0811	"	0.9	0.08	0.12		0.01	.5	4			"
60	11/21	1048 / 1052	SARASUA-MIDDLETON	0.9	0.07	0.43		0.03	.5	4			"
61	11/27	0900 / 0902	SARASUA	0.4	0.03	0.67		0.02	.5	3			"
62	12/12	1007 / 1010	"	1.0	0.07	0.30		0.02	.5	5			"
63	12/19	1220 / 1223	"	1.0	0.05	0.60		0.03	.5	4			"
64	12/26	1113 / 1125	"	1.0	0.39	0.12		0.04	.5	3			"
65	1/2	1343 / 1347	"	1.4	0.16	0.31		0.05	.5	5			"
66	1/9	1125 / 1127	"	0.6	0.12	0.16		0.02	.5	3			"
67	1/16	1210 / 1212	"	0.9	0.05	0.60		0.03	.5	4			"
68	1/23	1015 / 1020	"	0.6	0.04	0.50		0.02	.5	4			"
69	1/30	1104 / 1107	"	1.0	0.06	0.50		0.03	.5	5			"
70	6/19	1212 / 1218	"	1.2	0.12	0.75		0.09	.5	6			"
71	6/26	1355 / 1400	"	1.4	0.13	0.85		0.11	.5	6			"
72	7/3	1247 / 1253	MC BRIDE - SARASUA	1.5	0.15	0.60		0.09	.5	6			"
73	7/10	1235 / 1239	SARASUA	1.0	0.08	0.75		0.06	.5	5			"
74	7/17	1253 / 1300	MC BRIDE	1.5	0.14	0.57		0.08	.5	6			"
75	7/24	1142 / 1147	"	1.5	0.14	0.72		0.10	.5	5			"
76	7/31	1128 / 1132	"	1.5	0.17	0.53		0.09	.5	5			"
77	8/7	1136 / 1142	SARASUA	1.2	0.12	0.83		0.10	.5	5			"
78	8/14	1213 / 1220	"	1.2	0.11	0.64		0.07	.6	5			"
79	8/21	1300 / 1304	"	1.3	0.09	0.78		0.07	.5	6			"
80	8/28	1410 / 1416	"	1.4	0.14	0.57		0.08	.5	6			"
81	9/4	1325 / 1331	"	1.4	0.14	0.78		0.09	.5	6			"
82	9/11	1245 / 1251	"	1.4	0.18	0.61		0.08	.5	5			"
83	9/18	1100 / 1104	"	1.4	0.16	0.44		0.07	.5	6			"
84	9/25	1105 / 1111	"	1.4	0.11	0.82		0.09	.5	5			"
			SAN DIMAS WASH below Pudgingstone Diversion Dam										
60	10/24	1315 / 1328	SARASUA-MIDDLETON	5.5	2.78	1.22		3.4	.6	12			FC45
61	11/14	1550 / 1600	MIDDLETON	5.0	3.02	1.36		4.1	.6	7			FC54
62	12/13	0845 / 0900	SARASUA	6.0	3.24	1.30		4.2	.6	7			"
63	1/8	0825 / 0840	"	5.4	1.50	0.72		1.1	.6	8			FC43
64	1/13	1530 / 1540	"	6.0	3.29	1.15		3.8	.6	10			"
65	1/23	1530 / 1540	"	4.2	2.03	2.21		4.6	.6	8			FC49
66	3/1	1405 / 1410	"	2.4	0.97	1.36		1.3	.6	6			FC43
67	3/13	1047 / 1052	"	1.7	0.44	1.68		0.74	.6	5			FC49
68	3/29	1250 / 1255	"	4.0	1.00	1.85		1.9	.6	7			FC43
69	3/31	0945 / 0950	"	2.2	1.36	1.62		2.2	.6	7			"
70	4/14	1535 / 1545	FALCONE	8.0	2.50	0.91		2.3	.6	9			FC55
71	4/17	1046 / 1055	SARASUA-FALCONE	4.0	1.21	1.65		2.0	.6	9			FC54
72	4/24	1424 / 1433	FALCONE	6.3	2.36	1.10		2.6	.6	8			FC55
73	5/1	1243 / 1258	"	5.2	1.64	1.10		1.8	.5	11			"
74	5/8	1220 / 1235	"	5.4	1.83	1.09		2.0	.5	11			"
75	5/14	1103 / 1115	"	5.2	1.67	0.96		1.6	.5	11			"
76	5/21	1406 / 1420	FALCONE-COSTELLO	5.4	1.64	0.73		1.2	.5	11			"
77	5/28	1115 / 1130	FALCONE	5.2	1.39	0.68		0.95	.5	10			"
78	6/4	0915 / 0930	"	5.1	1.16	0.55		0.64	.5	11			"
79	6/11	1247 / 1252	"	2.9	0.42	0.29		0.12	.5	7			"
80	6/18	1355 / 1400	"	1.3	0.13	0.23		0.03	.5	4			"
			WALNUT CREEK below Sunflower Street										
17	7/24	1617 / 1625	MC BRIDE	2.5	0.57	1.24		0.71	.5	7			FC49
			LIVE OAK CREEK above Live Oak Dam										
16	1/30	1200 / 1205	SARASUA	0.8	0.03	0.66		0.02	.5	4			FC49

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			LIVE OAK CREEK below Live Oak Dam										
16	2/4	1000 / 1019	SARASUA-PITTS	6.0	6.39	2.94		18.8		.6	13		FC43
17	2/7	1226 / 1242	SARASUA	5.5	4.05	1.44		5.8		.6	12		"
18	2/7	1347 / 1355	"	3.0	1.00	1.65		1.6		.5	7		"
19	2/7	1415 / 1422	"	1.8	0.64	2.00		1.3		.5	5		"
20	2/7	1555 / 1600	SARASUA-SONNICHSEN	1.1	0.46	1.93		0.89		.6	6		"
21	3/16	0645 / 0655	SARASUA-PITTS	5.0	4.06	1.75		7.1		.6	11		"
22	4/1	1340 / 1350	" "	5.3	4.33	1.25		5.4		.6	11		"
23	4/8	1140 / 1152	SARASUA-SONNICHSEN	6.4	5.75	2.02		11.7		.6	13		"
24	4/9	0845 / 0900	" "	6.5	5.02	1.81		9.1		.6	14		"
25	4/14	1555 / 1600	FALCONE	5.2	2.72	0.99		2.7		.6	6		FC55
26	5/29	1400 / 1406	SARASUA-MC BRIDE	2.6	0.56	1.66		0.93		.3	8		FC49
27	6/11	1505 / 1520	FALCONE	3.4	2.05	0.54		1.1		.5 / .6	8		FC55
28	6/19	1348 / 1358	SARASUA	2.4	0.41	1.68		0.69		.6	7		FC49
29	6/26	1527 / 1535	"	2.4	0.46	1.37		0.63		.5	8		"
30	7/3	1415 / 1425	MC BRIDE-SARASUA	2.2	0.35	1.23		0.43		.6	8		"
31	7/10	1410 / 1413	SARASUA	0.9	0.09	0.78		0.07		.5	5		"
32	7/17	1424 / 1431	MC BRIDE	2.6	0.43	1.51		0.65		.5	6		"
			CORAL CREEK - PALMER CREEK - Combined Flow above Thompson Creek Dam										
19	2/7	1153	SARASUA-SONNICHSEN	2.7	0.29	2.41		0.70		.5	7		FC43
			SAN JOSE CREEK above San Gabriel River										
5	3/26	1030 / 1045	WADDICOR	10.3	4.67	2.19		7.3		.6	11		FC26
6	4/6	1007 / 1018	WADDICOR-GARCIA	9.3	4.85	1.73		8.4		.6	9		"
			SAN JOSE CREEK-Outlet from Treatment Plant										
1	5/20	0900		7.5'	RECTANCULAR WEIR			2.2					

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER DRAINAGE AREA

AT OR NEAR Miscellaneous Points DURING THE YEAR ENDING SEPTEMBER 30, 19 58

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			SAN GABRIEL RIVER - WEST FORK - Miscellaneous Tributaries above Cogswell Dam										
			SHORTCUT CANYON										
	6/30	1548 / 1550	DE VORE-KEIM	0.70	0.04	0.57		0.02		.5	3		FC62
			FALLS and VALLEY FORGE CANYONS										
	6/30	1334 / 1339	DE VORE-KEIM	1.2	0.11	0.53		0.06		.5	5		FC62
			SAN GABRIEL RIVER - WEST FORK above Bear Creek										
180	10/16	0945 / 1011	PETERSEN-DE VORE	32.0	19.1	1.38		26.4		.6	16		FC22
181	11/6	0942 / 0957	DE VORE	15.6	18.4	0.47		8.6		.6	13		"
182	11/20	1208 / 1221	"	8.2	4.79	0.90		4.3		.6	10		"
183	12/4	0940 / 0953	"	8.7	4.82	0.81		3.9		.6	11		"
184	12/18	1149 / 1207	"	8.7	4.67	0.79		3.7		.6	15		"
185	2/5	1244 / 1257	"	11.7	7.98	1.68		13.4		.6	12		"
186	3/12	0902 / 0915	"	10.1	4.31	1.60		6.9		.5 / .6	11		"
187	3/26	1319 / 1328	"	9.2	3.23	1.55		5.0		.5 / .6	9		"
188	4/9	1302 / 1316	"	6.4	2.96	1.45		4.3		.5 / .6	12		"
189	4/23	1139 / 1157	"	5.9	2.80	1.29		3.6		.6	12		FC62
190	5/7	1255 / 1307	DE VORE-LINDSAY	9.1	5.06	1.58		8.0		.6	11		FC22
191	5/21	1134 / 1144	DE VORE	11.1	5.06	1.72		8.7		.5 / .6	11		"
192	6/4	1245 / 1302	"	8.2	4.09	1.88		7.7		.6	14		"

TABLE XIII

PERCOLATION LOSSES ON BIG ROCK CREEK

BASED ON METER MEASUREMENTS

1957-58

DATE	BIG ROCK CREEK AT VALYERMO HWY. F171-S	FLOW 1000' BELOW VALYERMO HWY.	LOSS CFS	FLOW AT SECTION 8	LOSS CFS	BIG ROCK CREEK AND SANDROCK CREEK INFLOW	GAIN CFS	FLOW AT SOUTH LINE SECTION 6 F295-S	LOSS CFS	BIG ROCK CREEK AND VALYERMO SPRINGS CREEK F291-S	GAIN CFS	FLOW ABOVE PALLETTE CREEK F143-S	GAIN CFS	BIG ROCK CREEK AND PALLETTE CREEK INFLOW F122-S	GAIN CFS	FLOW TO BIG ROCK DIVERSION #4 A-11	TOTAL FLOW DIVERTED	FLOW TO LONGVIEW DIVERSION #5 A-10	LOSS CFS
2-8	44.9	*41.3	3.6	8.9	21.2	9.1	0.2	13.1	+4.0			16.6	3.5						
3-25																			
4-10	89.					89.5	0.5	73.0	16.5	73.2	0.2	80.8	7.6	88.0	7.2				
4-22	144.2					144.7	0.5			144.8	0.1	146.9	2.1	161.6	14.7	159.1	2.5	158.1	1.0

* INCLUDES FLOW DIVERTED INTO BIG ROCK CREEK DIVERSION #1

1957-58 PERCOLATION LOSSES ON BIG ROCK CREEK (Continued)

DATE	FLOW BELOW DIVERSIONS 4 & 5 (A-10 & A-11)	LOSS CFS	FLOW AT HIGHWAY 138 F183-S	LOSS CFS	FLOW 1/2 MI. BELOW HWY. 138 (POWERLINE)	LOSS CFS	FLOW 1 MI. BELOW HWY. 138	LOSS CFS	FLOW AT AVENUE U	LOSS CFS	FLOW AT AVENUE S	LOSS CFS	FLOW AT AVENUE R	LOSS CFS	FLOW AT AVENUE Q8	LOSS CFS	FLOW AT AVENUE O	LOSS CFS
2-8	15.1	1.5					0											
3-25	68.6		35.0	33.6					23.2	11.8	0							
4-10	81.4	6.6	41.7	39.7	27.3	14.4					0 [1.]							
4-22			92.4	65.7							30.5	61.9	2.5	28.0	0.6	1.9	+	0.6

1. FLOW ENDS 1500' SOUTH OF AVENUE S

PERCOLATION LOSSES ON LITTLE ROCK CREEK

BASED ON METER MEASUREMENTS

1957-58

DATE	FLOW AT BRESLINS RANCH	FLOW AT SUBMERGED DAM	(-) LOSS OR (+) GAIN	FLOW AT PEARBLOSSOM HIGHWAY	(-) LOSS OR (+) GAIN	FLOW AT AVENUE T	LOSS CFS	FLOW DIVERTED INTO GRAVEL PIT AT AVENUE T	FLOW BELOW GRAVEL PIT DIVERSION	FLOW AT AVENUE S	LOSS CFS
2-6	139.7	124.5	- 15.2	104.6	- 19.9	97.9	6.7	13.6	84.3	76.7	7.6
2-11	60.8	62.2	+ 1.6	56.0	- 6.2	48.9	7.1	6.8	42.1	40.5	1.6
3-1	67.9	67.8	- 0.1	61.7	- 6.1	51.2	10.5	5.4	45.8	39.6	6.2
4-9	161.2	168.9	+ 7.7	151.8	- 17.1	135.1	16.7	7.9	127.2	121.5	5.7
4-21	225.8			217.4	- 8.4	200.6	16.8	8.0	192.6	191.8	0.8

1957-58 PERCOLATION LOSSES ON LITTLE ROCK CREEK (Continued)

DATE	FLOW AT AVENUE R	LOSS CFS	FLOW AT AVENUE Q	LOSS CFS	FLOW AT AVENUE P8	LOSS CFS	FLOW AT AVENUE P	LOSS CFS	FLOW AT AVENUE N	LOSS CFS	REMARKS
2-6	64.7	12.0	10.0	54.7	0						
2-11	39.0	1.5	6.5	32.5	2.5	4.0	0.6	1.9			END OF FLOW 1000' BELOW AVENUE P
3-1	18.1	21.5									END OF FLOW AT AVENUE O 8
4-9	65.5	56.0	2.0	63.5							
4-21	142.1	49.7	32.0	110.1			4.5	105.6	0	4.5	

PERCOLATION LOSSES ON SANTA CLARA RIVER

BASED ON METER MEASUREMENTS

1957-58

DATE	SANTA CLARA RIVER NEAR LANG R. R. STATION F93-R	SAND CANYON ROAD BRIDGE	LOSS CFS	REMARKS
4-5	126.2	3.5	122.7	
4-8	96.4	2.5	91.9	
4-9	83.	0	83.	END OF FLOW AT BRIDGE
4-10	72.1	0	72.1	END OF FLOW AT BRIDGE

PERCOLATION LOSSES ON SAN FRANCISQUITO CREEK
BASED ON METER MEASUREMENTS
1957-58

DATE	SAN FRANCISQUITO CREEK 1.6 MI. ABOVE UNITED STATES FORESTRY SERVICE BOUNDARY	FLOW AT U.S. FORESTRY SERVICE BOUNDARY	GAIN CFS	FLOW AT FARMER JOHN ROAD	LOSS CFS	FLOW AT NEWHALL RANCH ROAD	LOSS CFS	REMARKS
4-5	90.6	95.7	5.1	59.7	36.0	1.5	58.2	FLOW NOT REACHING SANTA CLARA RIVER

PERCOLATION LOSSES ON CASTAIC CREEK
BASED ON METER MEASUREMENTS
1957-58

DATE	ELIZABETH LAKE CREEK ABOVE CASTAIC CREEK F141-S	CASTAIC CREEK AT ELIZABETH LAKE HIGHWAY F140-S	TOTAL FLOW	VIOLIN CREEK AT ELIZABETH LAKE CREEK F138-S	INFLOW CFS	FLOW AT HIGHWAY 99 8-13	LOSS CFS	FLOW AT HIGHWAY 126 F108-R	LOSS CFS	REMARKS
3-20	54.9	77.1	132.0			40.4	92.6	25.8	14.6	
4-14	78.6	106.5	185.1	0.6	185.7	174.5	11.2	171.1	3.4	

PERCOLATION LOSSES ON PACOIMA WASH
BASED ON METER MEASUREMENTS
1957-58

DATE	PACOIMA WASH ABOVE LASSEN STREET	PACOIMA WASH AT PLUMMER STREET	LOSS CFS	REMARKS
3-26	3.0	0	3.0	

PERCOLATION LOSSES ON BIG TUJUNGA CREEK
BASED ON METER MEASUREMENTS
1957-58

DATE	BIG TUJUNGA CREEK ABOVE GOLD CANYON STATION F213-R	FLOW ABOVE L.A.W.D. DIVERSION	LOSS CFS	FLOW AT ORO VISTA STREET	LOSS CFS	FLOW AT FOOTHILL BOULEVARD	LOSS CFS	INFLOW TO HANSEN RESERVOIR	LOSS CFS	REMARKS
10-10	5.3	4.2[1]	1.1	0.1						1. FLOW DIVERTED INTO SPREADING GROUNDS
11-7	1.5			0.06	1.44					
12-12	1.5	0.88	0.62							
1-16	1.82	1.52[1]	0.30	0.37	+0.37[2]	0	0.37			2. RISING WATER
1-27	33.7			31.5	2.2			29.0	2.5	
3-5	40.6			30.2	10.4	25.4	4.8	22.6	2.8	
3-21	128.							131. [2]	+3.0	
5-12	49.7			52.9	+3.2					
6-26	5.5	4.8	0.7							
7-10	4.6	4.1	0.5							
7-24	5.2	4.6[1]	0.6	0.51[2]	+0.51	0	0.51			
9-4	5.6	4.4[1]	1.2	0.30[2]	+0.30	0	0.30			
9-25	5.4	5.1[1]	0.3	0.65[2]	+0.65	0	0.65			
1958-59										
10-9	3.9	3.5[1]	0.4	0.64[2]	+0.64					
10-30	3.1	N.M.[1]		0.73[2]	+0.73					N.M. NOT MEASURED
11-20	4.9	N.M.[1]		0.60[2]	+0.60					
12-26	3.4	2.0[1]	1.4	0.86[2]	+0.86					
1-29	2.8	2.4[1]	0.4							
2-26	18.4					12.3	6.1			
3-12	4.5	4.1[1]	0.4	0.48[2]	+0.48	0	0.48			
4-3	2.6	1.9[1]	0.7							
5-7	3.7	2.7[1]	1.0							
6-11	3.4	3.0[1]	0.4							
6-25	3.5	N.M.[1]		0.14[2]	+0.14					
8-6	4.8	3.6[1]	1.2							

PERCOLATION LOSSES ON SANTA ANITA CREEK

BASED ON METER MEASUREMENTS

1957-58

DATE	SANTA ANITA CREEK BELOW DAM F-12	SANTA ANITA CREEK BELOW SPREADING GROUNDS DIVERSION	LOSS CFS	FLOW BELOW CLAMSHELL CREEK	GAIN CFS	FLOW BELOW SANTA ANITA SPREADING GROUNDS OUTFLOW AND RISING WATER	GAIN CFS	FLOW AT ORANGE GROVE AVENUE	LOSS CFS	FLOW BELOW JUNCTION SIERRA MADRE WASH	GAIN CFS	FLOW AT FOOTHILL BOULEVARD F260B-R	LOSS CFS
3-18		18.8				6.3	25.1	24.9	0.2	32.4	7.5		
5-2		4.3		4.8	0.5	8.2	3.4	9.5	+1.3	13.4	3.9	12.5	0.9
5-21		0.72		0.97	0.25	*0 x		3.6				2.5	1.1
1958-59													
2-5	2.6			2.7	0.1					3.0	0.3	1.4	2.6
2-26	3.4											0.4	3.0

1957-58 PERCOLATION LOSSES ON SANTA ANITA CREEK (Continued)

DATE	FLOW AT HUNTINGTON DRIVE	LOSS CFS	FLOW AT SANTA FE R.R.	LOSS CFS	FLOW AT DUARTE ROAD	LOSS CFS	FLOW BELOW LIVE OAK AVENUE	LOSS CFS	FLOW ABOVE RIO HONDO	LOSS CFS	REMARKS
3-18					17.0	15.4	10.5	6.5	6.1	4.4	
5-2	8.9	3.6	8.0	0.9	3.0	5.0					END OF FLOW 950' BELOW DUARTE ROAD.
5-21	0	1.1									*END OF FLOW - OPPOSITE BASIN NO. 2. SANTA ANITA SPREADING GROUNDS. xRISING WATER STARTS OPPOSITE BASIN NO. 7. BETWEEN SPREADING GROUNDS AND SANTA ANITA CREEK.
1958-59 (Continued)											
2-5					[1] 0.6	2.0					[1] MEASURED 1000' ABOVE DUARTE ROAD.

PERCOLATION LOSSES ON RIO HONDO

BASED ON METER MEASUREMENTS

1957-58

DATE	FLOW AT RIO HONDO - RISING WATER CHANNEL BELOW 36" OUTLET STATION F325-S	FLOW AT SIPHON	LOSS CFS	REMARKS
1-8	26.4	5.9	20.5	END OF FLOW INTO BASIN NO. 1 W

PERCOLATION LOSSES ON SAN GABRIEL RIVER

BASED ON METER MEASUREMENTS

1957-58

DATE	SAN GABRIEL RIVER BELOW MORRIS DAM U8	INFLOW BELOW U8	TOTAL CFS	SAN GABRIEL RIVER AT FOOTHILL BOULEVARD F190-R	LOSS CFS	INFLOW TO SANTA FE DAM	LOSS CFS	COMPUTED INFLOW TO SANTA FE DAM	COMPUTED LOSS	REMARKS
2-9	752.	30.	782.	680.	102.	395.	285.	238.	157.	
2-22	547.	36.	583.	507.	76.	456.	51.	424.	31.	
2-28	335.	15.	350.	317.	33.	290.	27.	238.	52.	
3-8	189.	84.	273.	217.	56.	214.	3.	125.	89.	
3-12	238.	83.	321.	278.	43.	255.	23.	192.	63.	
3-25	428.	27.	455.	417.	38.	379.	38.	301.	78.	
4-9	1275.	121.	1396.	1280.	116.	1081.	199.	606.	475.	
4-16	156.	20.	176.	152.	24.	132.[1]	20.[1]		173.	[1] EST.
4-23	129.	35.	164.	142.	22.	82.	60.	35.	47.	
5-12	591.	32.	623.	530.	93.			458.	72.	
6-9	727.	26.	753.	642.	111.					
7-10	50.5	6.	56.5	3.0	53.5	0	END OF FLOW 1300' BELOW FOOTHILL BOULEVARD			
8-20	800.	30.	830.	740.	90.					
8-23	873.	27.	900.	844.	56.					
1958-59										
2/24/25	400.	37.	437.	394.	43.			365.	29.	
3-3	308.	48.	355.	326.	29.	302.	23.	281.	21.	

PERCOLATION LOSSES ON SAN GABRIEL RIVER

BASED ON METER MEASUREMENTS

1957-58

DATE	SAN GABRIEL RIVER BELOW SANTA FE DAM E281-R	OUTFLOW FROM GRAHAM BROS. PIT	LOSS CFS	FLOW AT SAN BERNARDINO ROAD	LOSS CFS	FLOW AT MWD OUTLET	GAIN CFS	FLOW AT GARVEY AVENUE	LOSS CFS	FLOW BELOW VALLEY	LOSS CFS	FLOW AT FINEVIEW	LOSS CFS	FLOW ABOVE SAN JOSE CHANNEL	LOSS CFS
12-9						175.				143.	32.				
12-10						200.				166.	34.				
2-11				74.8						57.6	17.2				
3-5						170.									
3-20	350.	151.	199	57.1	143.9										
3-25	330.	164.	166.	115.	51.	210.	95.	202.	8.0	186.					
4-11	403.	282.	121.					233.						234.	
4-19	400.	253.	147.											209.	
4-23	126.	42.4	83.6	20.1	21.3			10.9	9.2					7.7	1.5
5-7	400.			257.	203.			240.	17.0					219.	21.0
5-15	473.			273.				248.						233.	15.0
6-11	549.			308.	241.			289.	19.0						
6-19	598.			305.	293.			303.	2.0					272.	
8-20				367.				335.	32.0						
8-23				453.				425.	28.0						
9-3						163.		144.	19.0						
9-23						173.		153.	20.0						

1957-58 PERCOLATION LOSSES ON SAN GABRIEL RIVER (Continued)

DATE	FLOW BELOW SAN JOSE CHANNEL	GAIN CFS	FLOW AT PECK ROAD	LOSS CFS	FLOW AT ZONE I HEADWORKS	LOSS CFS	FLOW AT MAXIMUM RISING WATER	GAIN CFS	FLOW AT BEVERLY BOULEVARD	LOSS CFS	FLOW AT SAN GABRIEL COASTAL GROUNDS	LOSS CFS	REMARKS
12-9					114.	29.	[1] 119.	5.	97.8	21.2	80.1	17.7	1. INCLUDES RISING WATER
12-10					[2] 138.7	27.3	[3] 125.	5.	112.	13.	83.5	28.5	2. SUBTRACT 18.7 CFS FOR FLOW IN SAN GABRIEL RIVER
2-11					40.2	17.4	53.7	13.5	42.1	11.6	25.9	16.2	3. INCLUDES 5 CFS RISING WATER
3-5					138.	32.	[4] 156.		119.	37.	105.	14.	4. ESTIMATE OF FLOW RISING WATER EST. 18 CFS
3-20													
3-25	[5] 192.		198.	+6.0			[6] 222.	24.	189.	32.	170.	19.	5. 6 CFS INFLOW
4-11	[7] 243.5	9.5					272.	28.5	211.	61.	195.	16.	6. EST. RISING WATER 24 CFS 7. 9.5 CFS INFLOW
4-19	217.	8.0					[8] 246.5	29.5	244.	2.			8. EST. RISING WATER 29.5 CFS
4-23							[9] 32.3		24.6		13.	11.6	9. INFLOW AND RISING WATER
5-7					[10] 242.	+23.	190.	3.			153.	37.	10. 55 CFS FLOW DIVERTED INTO RIO HONDO BYPASS CHANNEL
5-15					[11] 239.								11. 54 CFS FLOW DIVERTED INTO RIO HONDO BYPASS CHANNEL
6-11					[12] 301.				109.				12. 179 CFS FLOW DIVERTED INTO RIO HONDO BYPASS CHANNEL
6-19					[13] 263.				122.				13. 130 CFS FLOW DIVERTED INTO RIO HONDO BYPASS CHANNEL
8-20	316.	19.0			[14] 258.		205.	53.	180.	25.			14. 113 CFS FLOW DIVERTED INTO RIO HONDO BYPASS CHANNEL
8-23					[15] 404.	21.			239.		194.	45.	15. 156 CFS FLOW DIVERTED INTO RIO HONDO BYPASS CHANNEL
9-3					125.				110.		99.	11.	
9-23					148.	5.	160.	[16] 12.	133.	27.	119.	14.	16. ESTIMATE PEAK OF RISING WATER 12.0 CFS

PERCOLATION LOSSES ON SAN GABRIEL RIVER

BASED ON METER MEASUREMENTS

1958-59

DATE	SAN GABRIEL RIVER BELOW SANTA FE DAM E281-R	OUTFLOW FROM GRAHAM BROS. PIT	LOSS CFS	FLOW AT SAN BERNADINO ROAD	LOSS CFS	FLOW AT MWD OUTLET	GAIN CFS	FLOW AT GARVEY AVENUE	LOSS CFS	FLOW BELOW VALLEY BLVD.	LOSS CFS	FLOW AT FINEVIEW STREET	LOSS CFS	FLOW ABOVE SAN JOSE CHANNEL	LOSS CFS
10-16						132.		114.	18.						
11-20						170.		155.	15.			145.	10.		
1-9						150.		134.	16.						
1-20						170.		160.	10.						
2-25	325.	244.	81.	204.	40.			184.	20.			186.	+2.0		
3-3	304.	188.	116.	166.	22.			157.	9.			149.	8.0		

1958-59 PERCOLATION LOSSES ON SAN GABRIEL RIVER (Continued)

DATE	FLOW BELOW SAN JOSE CHANNEL	GAIN CFS	FLOW AT PECK ROAD	LOSS CFS	FLOW AT ZONE I HEADWORKS	LOSS CFS	FLOW AT MAX. RISING WATER	GAIN CFS	FLOW AT BEVERLY BOULEVARD	LOSS CFS	FLOW AT SAN GABRIEL COASTAL GROUNDS	LOSS CFS	REMARKS
10-16					100.	14.	17. 113.	13.	84.	29.	80.	4.	17. ESTIMATE 13 CFS RISING WATER
11-20							157.	12.	130.	27.	126.	4.	
1-9	139.	+5.	135.	4.			156.2	21.2	139.	17.2	126.	13.	
1-20	164.	+4.	159.	5.			180.	21.	158.	22.	153.	5.	
2-25	191.	+5.					210.	19.	191.	19.	168.	23.	
3-3	155.						174.	19.	151.				

PERCOLATION LOSSES ON LITTLE DALTON WASH

BASED ON METER MEASUREMENTS

1958-59

DATE	LITTLE DALTON WASH BELOW SIERRA MADRE WASH	FLOW BELOW GRAND AVENUE	LOSS CFS	FLOW BELOW CITRUS AVENUE	GAIN CFS	FLOW AT AZUSA AVENUE	LOSS CFS	FLOW ABOVE VINCENT AVENUE	LOSS CFS	FLOW BELOW BIG DALTON WASH INFLOW	GAIN CFS	INFLOW TO SPREADING GROUNDS	REMARKS
4-23	11.9	8.6	3.3	8.8	0.2	7.4	1.4	5.2	2.2	8.0	2.8	8.0	
4-30	12.4	7.9	4.5			6.0	1.9	3.6	2.4	6.6	3.0	6.6	

PERCOLATION LOSSES ON BIG DALTON WASH

BASED ON METER MEASUREMENTS

1957-58

DATE	BIG DALTON CREEK BELOW BIG DALTON DAM F120-R	FLOW AT U9-R	GAIN CFS	FLOW AT SIERRA MADRE AVENUE	LOSS CFS	FLOW AT HIGHWAY 66	LOSS CFS	FLOW AT GLENDORA AVENUE	LOSS CFS	FLOW AT BEN LOMOND AVENUE	GAIN CFS	FLOW AT CITRUS AVENUE	LOSS CFS	FLOW AT AZUSA AVENUE	LOSS CFS	REMARKS
3-25	22.2	24.4	2.2	20.2	4.2	15.4	4.8	10.1	5.4	10.7	+0.6*	6.5	4.2	0.12	6.38	* DUE TO INFLOW ABOVE MEASURING SECTION END OF FLOW 200' BELOW AZUSA AVENUE

PERCOLATION LOSSES ON LIVE OAK CREEK

BASED ON METER MEASUREMENTS

1957-58

DATE	LIVE OAK CREEK AT TOE OF DAM	FLOW AT GARVEY AVENUE	LOSS CFS	FLOW AT WILLIAMS AVENUE	LOSS CFS	FLOW AT AMHERST AVENUE	LOSS CFS	REMARKS
2-7	5.8	1.6	4.2	1.3	0.3	0	1.3	END OF FLOW 800' ABOVE AMHERST AVENUE

PERCOLATION LOSSES ON SAN JOSE CREEK

BASED ON METER MEASUREMENTS

1958-59

DATE	FLOW BELOW TREATMENT PLANT	FLOW AT BEGINNING LINED CHANNEL	± CFS	SAN JOSE WASH ABOVE JUNCTION SAN JOSE CREEK	GAIN CFS	FLOW AT ANAHEIM SPADRA ROAD	LOSS CFS	LEMON CREEK INFLOW TO SAN JOSE CREEK	GAIN CFS	FLOW AT WATER STREET	LOSS CFS	REMARKS
11-25	3.0	4.9	+1.9	7.3	+2.4	5.3	2.0	5.5	+0.2	4.7	0.8	
12-5	4.6	4.0	-0.6			3.2	0.8	5.2	+2.0	5.2	0	

1958-59 PERCOLATION LOSSES ON SAN JOSE CREEK (Continued)

DATE	FLOW AT NOGALES STREET	± CFS	FLOW AT YORBITA STREET	LOSS CFS	FLOW AT ANAHEIM PUENTE ROAD	LOSS CFS	FLOW AT ROWLAND RANCH ROAD	LOSS CFS	FLOW AT HACIENDA BOULEVARD	LOSS CFS	REMARKS
11-25	5.4	+0.7	4.9	0.5	4.1	0.8	3.5	0.6	3.0	0.5	
12-5	4.6	0.6	4.4	0.2	3.3	1.1	2.7	0.6	1.8	0.9	

PERCOLATION LOSSES ON SAN JOSE WASH

BASED ON METER MEASUREMENTS

1958-59

DATE	SAN JOSE CREEK AT WEBER STREET	FLOW 2200' BELOW WEBER STREET	LOSS CFS	+ SIDE CHANNEL INFLOW	GAIN CFS	FLOW BELOW GLEN AVENUE	GAIN CFS	FLOW AT HOLT AVENUE	LOSS CFS	FLOW 3500' BELOW HOLT AVENUE	GAIN CFS	FLOW AT COLLINS AVENUE	LOSS CFS
10-8	2.1	1.1	1.0	1.3	0.2	1.8	0.5	0.42	1.38				
10-16								0.21		0.73	0.52	0.54	0.19

PERCOLATION LOSSES ON SAN ANTONIO CREEK

BASED ON METER MEASUREMENTS

1957-58

DATE	SAN ANTONIO SPREADING GROUNDS INFLOW AT OLD CHANNEL HAS-3	FLOW 1000' BELOW HAS-3	LOSS CFS	FLOW 4500' BELOW HAS-3	LOSS CFS	FLOW 4600' BELOW HAS-3	LOSS CFS	FLOW 7400' BELOW HAS-3	LOSS CFS	FLOW 7500' BELOW HAS-3	LOSS CFS	REMARKS
4-26	30.0	23.6	6.4	[1] 22.0	1.6	11.6	1.1	[2] 7.0	4.6	3.4	1.3	1. AT THIS POINT, 9.3 CFS WERE DIVERTED FROM MAIN STREAM FLOW 2. AT THIS POINT, 2.3 CFS WERE DIVERTED FROM STREAM FLOW

TABLE XIV

YEARLY DISCHARGE SUMMARY

YEARLY DISCHARGE SUMMARY

YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW CFS	MO.	DAY	FLOW CFS
ALHAMBRA WEST WASH at S.P.R.R. Main Line (Drainage Area 3.5 square miles)											F103-R
1930-31	12	89	0	0.93	675	4	26	648			
1931-32	19	80	0	1.04	756	11	27	455			
ABANDONED 4/10/32											
ALHAMBRA EAST WASH at S.P.R.R. Main Line (Drainage Area 6.85 square miles)											F102-R
1930-31	7	134	0	1.20	871	4	26	930			
1931-32	17	101	0	1.40	1010	11	27	625			
ABANDONED 4/10/32											
ALHAMBRA WASH near Klingerman Street (Drainage Area 14.5 square miles)											F81D-R
1929-30	1		0		* 635	3	14	1870			
1930-31	1	226	0	2.05	1480	2	3	1530			
1931-32	15	220	0	2.68	1940	1	31	1120			
1932-33	41	418	0	2.32	1680	1	19	1850			
1933-34	41	1770	0	8.04	5820	1	1	4890			
1934-35	52	219	0	3.29	2380	1	5	2280			
1935-36	52	144	0	1.95	*1420	2	12	1700			
1936-37	82	309	0	5.36	3880	3	15	2470			
1937-38	82	997	0	7.62	5520	3	2	5010	2	28	4250
1938-39	62	288	0	4.14	2990	1	5	2480	9	25	1060
1939-40	58	130	0	2.39	1730	2	1	1285			
1940-41	38	219	0	7.81	5650	3	3	2080			
1941-42	32	193	0	2.50	1810	12	10	2320			
1942-43	38	893	0	8.38	6070	3	4	4480			
1943-44	31	454	+	5.65	4100	2	22	1860			
1944-45	31	199	0.1	3.11	2250	11	11	2220			
1945-46	53	342	0.1	4.14	3000	12	22	1600			
1946-47	53	345	0.1	5.24	3800	11	13	3810			
1947-48	51	155	0.1	2.82	2040	3	24	2670			
1948-49	51	95	0.2	2.80	2020	12	17	758			
1949-50	53	254	0.2	4.27	3090	2	6	1630			
1950-51	53	106	0.2	3.26	2360	1	11	1620			
1951-52	69	594	0.2	12.5	9040	1	16	3810			
1952-53	69	228	0.1	4.47	3240	11	15	3140			
1953-54	57	369	0.2	5.22	3770	2	13	2410			
1954-55	57	185	0.2	4.16	3020	1	18	1890			
1955-56	55	1100	0.3	7.61	5520	1	26	4550			
1956-57	55	242	0.6	6.14	4440	2	23	3090			
1957-58		544	0.3	12.8	9270	2	19	4830			
1958-59		279	0.2	4.17	3020	1	6	3170			
NOTE: STATION AT VARIOUS LOCATIONS - SEE STATION DESCRIPTION											
ALISO WASH at Nordhoff Street (Drainage Area 7.61 square miles)											F152-R
1939-40	59	21	0	0.23	167	1	8	285			
1940-41	39	290	0	5.74	4150	2	20	N.D.			
1941-42	33	7.0	0	0.04	33	12	28	55			
1942-43	39	449	0	3.66	2640	1	22	1750			
1943-44	32	326	0	1.68	1220	2	22	1600			
1944-45	32	39	0	0.23	167	2	2	282			
1945-46	55	73	0	0.45	323	12	21	1140			
1946-47	55	26	0	0.32	230	12	25	290			
1947-48	53	NO RECORD									
1948-49	53	2.7	0	0.05	40	12	26	51			
1949-50	56	11	0	0.11	78	2	6	77			
1950-51	56	3.9	0	0.06	43	1	29	23			
1951-52	71	159	0	2.22	1620	1	15	1600			
1952-53	71	51	0	0.42	301	11	15	1020			
1953-54	60	55	0	.406	294	1	19	889			
1954-55	60	14	0	0.09	68	1	18	95			
1955-56	57	181	0	0.58	423	1	26	414			
1956-57	57	24	0	0.13	95	1	13	136			
1957-58		98	0	1.91	1380	12	15	745			
1958-59		32	0	0.21	150	1	6	381			
ARCADIA WASH below Grand Avenue (Drainage Area 6.5 square miles)											F317-R
1956-57	61	108	0.1	1.85	1340	2	23	1184			
1957-58		212	0.1	4.60	3330	2	19	1932			
1958-59		127	0.2	1.87	1360	1	6	1274			
ARROYO SECO below Devils Gate Dam (Drainage Area 32.5 square miles)											P277-R
1942-43	42	3190	0	33.0	24000	1	23	5640			
1943-44	35	965	0	11.5	8270	2	20	1540			
1944-45	35	187	0.1	3.52	2560	3	15	610			
1945-46	60	272	0	2.21	1600	12	23	445			
1946-47	60	410	0	5.73	4140	12	27	610			
1947-48	57	1.6	0	0.07	52	4	5-14	1.6			
1948-49	57	1.3	0	.024	18	6	13	1.7			
1949-50	61	21	0	0.10	71	11	10	106			
1950-51	61	0.3	0	.002	1.4	9	14	26			
1951-52	77	788	0	15.8	11460	1	18	999	DAM RECORDS		
1952-53	77	11.8	0	0.11	77	1	11	25			
1953-54	65	70	0	0.86	621	1	25	127			
1954-55	65	1.7	0	0.27	196	4	30	14			
1955-56	66	327	0	2.03	1470	1	27	411			
1956-57	66	5.8	0	0.32	234	10	4	124			
1957-58		351	0	10.2	7360	2	4	546			
1958-59		129	0	0.67	482	2	16	156			

YEARLY DISCHARGE SUMMARY

YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW CFS	MO.	DAY	FLOW CFS
BALLONA CREEK at Curson Avenue (Drainage Area 25.42 square miles)											F298-R
1950-51		213	1.4	13.8	9960	1	10	2090			
1951-52	79	994	1.2	26.0	18880	3	15	5060			
1952-53	79	339	1.2	11.6	8410	11	15	4310			
1953-54	68	689	1.8	11.4	8240	2	13	4690			
1954-55	68	539	1.8	12.6	9140	1	18	3000			
1955-56	68	1480	1.2	15.5	11260	1	26	4370			
1956-57	68	508	1.8	11.6	8420	2	23	4700			
1957-58		848	3.0	20.7	14980	2	19	5130			
1958-59		334	1.4	7.65	5540	1	6	4680			
BALLONA CREEK at Sawtelle Boulevard (Drainage Area 111 square miles; 82.6 square miles beginning October, 1950)											F38B-R
1927-28	60		0		* 3930	5	8	*1100			
1928-29	204	1150	0	20.6	14900	3	10	4990			
1929-30	7	1130	0	18.6	13480	1	11	4460			
1930-31	17	1500	0	25.6	18520	4	26	6280			
1931-32	21	1780	0	30.0	21790	12	28	6130			
1932-33	44	1660	0	21.8	15810	1	19	7000			
1933-34	44	4310	0	28.5	20630	1	1	11300			
1934-35	57	2190	0	34.4	24870	4	8	11200			
1935-36	57	929	0	19.3	13505	2	12	8070			
1936-37	84	2160	0	56.2	40680	12	30	8940			
1937-38	84	7330	3.6	72.5	52500	3	2	19000	2	28	15280
1938-39	64	3080	1.8	39.4	28490	12	17	9900	9	25	9200
1939-40	61	1270	1.3	29.1	21110	2	3	9730			
1940-41	41	2680	3.1	93.0	67360	12	23	17310			
1941-42	34	990	2.8	23.8	17250	12	10	7500			
1942-43	44	4840	2.6	47.3	34240	1	22	13210			
1943-44	37	3010	3.4	45.4	33000	2	22	8800			
1944-45	37	1200	3.0	33.8	24450	11	11	9380			
1945-46	62	1830	3.8	25.4	18380	12	22	7750			
1946-47	62	1960	2.8	36.3	26300	12	25	9630			
1947-48	59	1000	3.5	18.8	13630	3	24	12710			
1948-49	59	668	2.8	22.2	16090	2	7	5740			
1949-50	63	1620	1.4	32.1	23250	2	6	7670			
1950-51	63	756	0.7	26.1	18860	1	10	5460			
1951-52	82	2520	3.5	73.5	53350	1	16	12820			
1952-53	82	1140	4.8	27.5	19910	11	15	11520			
1953-54	71	3570	5.4	39.3	28480	2	13	18900			
1954-55	71	1210	5.4	29.8	21600	1	18	9370			
1955-56	71	6510	5.2	44.7	34590	1	26	18700			
1956-57	71	1790	6.3	30.7	22240	2	23	13860			
1957-58		3000	6.3	59.4	43040	2	19	15220			
1958-59		1210	4.2	19.0	13730	1	6	8170			
* RECORD INCOMPLETE											
NOTE: STATION AT VARIOUS LOCATIONS - SEE STATION DESCRIPTION											
BIG DALTON CREEK below Big Dalton Dam (Drainage Area 4.8 square miles)											F12G-R
1940-41	45	66	0	3.99	2890	3	5	67			
1941-42	37	2.8	0	0.32	235			N.D.			
1942-43	46	103	0	4.40	3180	3	4	111			
1943-44	39	35	0	1.60	1160	2	23	56			
1944-45	39	13	0	1.16	842	3	15	34			
1945-46	66	5.0	0	0.76	549	12	23	34			
1946-47	66	11	0	0.75	545	10	3	30 E			
1947-48	62	2.6	0	0.02	15	2	5	20			
1948-49	62	7.4	0	0.14	103	12	18	25	9	15	7.4
1949-50	67	8.7	0	0.17	122	1	21	11			
1950-51	67	1.9	0	0.02	14	1	11	10 E			
1951-52	86	33	0	2.21	1600	1	19	34			
1952-53	86	7.0	0	0.15	107	1	15	38			
1953-54	76	8.6	0	0.50	363	2	15	9.3			
1954-55	76	3.5	0	0.01	7.3	10	1	6.8			
1955-56	76	25	0	0.31	222	8	8	37			
1956-57	76	11.5	0	0.03	23	11	9	18			
1957-58		28.0	0	2.96	2140	4	5	37			
1958-59		15.0	0	0.20	140	4	13	31			
BIG DALTON WASH at Sierra Madre Avenue (Drainage Area 7.67 square miles)											F202-R
1951-52	90	28	0	INC.	INC.	1	18	55			
1952-53	90	5.3	0	0.07	51	1	15	35			
1953-54	80	6.1	0	0.04	28	1	25	25	2	13	25
1954-55	80	+	0	+	+						
1955-56	80	17	0	0.08	56	1	26	80			
1956-57	80	0	0	0	0						
1957-58		54	0	1.29	936	4	5	173			
1958-59		2.4	0	0.01	8.7	2	16	15			
DALTON WASH at Merced Avenue (Drainage Area 28 square miles; 35.95 square miles beginning 1956-59)											F274-R
1940-41	46	206	0	5.30	3840	3	13	674			
1941-42	38	42	0	1.01	727	12	10	230			
1942-43	49	336	0	4.83	3500	1	22	1230			
1943-44	42	418	0	2.23	1620	2	22	2650			
1944-45	41	144	0	1.24	894	11	11	1740			
1945-46	70	229	0	2.22	1610	12	23	1450			
1946-47	70	52	0	1.36	984	11	23	328			
1947-48	66	20	0	0.13	96	12	5	149			
1948-49	66	19	0	0.13	97	12	17	181			
1949-50	71	38	0	0.42	306	12	18	232			
1950-51	71	11	0	0.09	64	1	11	175			
1951-52	92	270	0	2.88	2090	1	16	1070			
1952-53	92	39	0	0.40	287	11	15	549			
1953-54	83	217	0	1.47	1060	2	13	1290			
1954-55	83	88	0	0.98	706	1	18	668			
1955-56	82	860	0	3.12	2260	1	26	2350			
1956-57	82	165	0	1.36	980	3	1	1990			
1957-58		303	0	6.48	4690	3	16	1310			
1958-59		208	0	3.0	2130	1	6	2700			

YEARLY DISCHARGE SUMMARY

YEARLY DISCHARGE SUMMARY

BIG TUJUNGA - MILL CREEK above Mouth (Drainage Area 21.1 square miles) — F112-R

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS					
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	MO.	DAY	FLOW CFS	MO.	DAY	FLOW CFS
1930-31	145	1.3	0	0.19	139	4	26	1.7			
1931-32	70	291	0	3.02	2190	2	9	512			
1932-33	126	6.9	0	0.40	294	1	19	20			
1933-34	126	58	0	0.43	308	1	1	179			
					ABANDONED 11/26/34						

BIG TUJUNGA CREEK below Mill Creek (Drainage Area 64.9 square miles) — F111C-R

1948-49	69	11	+	1.78	1290	3	4	13	1	20	9.1
1949-50	74	21	0	1.48	1070	2	6	36			
1950-51	74	4.3	0.01	0.55	398	1	29	6.7			
1951-52	95	674	0.06	26.7	19390	1	18	1390			
1952-53	95	22	+	3.28	2370	12	2	65			
1953-54	86	138	+	5.28	3820	1	25	260			
1954-55	86	26	0	2.63	1910	5	1	41			
1955-56	88	146	0	2.49	1810	1	26	324			
1956-57	88	112	0	2.03	1470	1	13	313			
1957-58		844	0	27.6	19970	4	3	1770			
1958-59		154	0	3.27	2370	2	16	421			

BIG TUJUNGA CREEK above Edison Road (Drainage Area 67 square miles) — F111B-R

1930-31	39	65	0	1.99	1440	2	5	216			
1931-32	31	964	0	14.8	10250	2	8	3910			
1932-33	55	108	0	3.59	2600	1	19	324			
1933-34	55	707	0	4.26	3090	1	1	1520			
1934-35	69	296	0	13.3	9600	4	8	640			
1935-36	69	60	0	3.20	2330	2	12	159			
1936-37	88	707	+	26.9	19440	2	6	1030			
1937-38	88	8200 E	0.8	63.0	45600	3	2	N.D.	3	1	2480
1938-39	66	345	0.9	10.9	7920	12	19	543	9	25	400
1939-40	64	276	0.2	7.62	5530	1	8	N.D.			
1940-41	48	1120	0.8	67.3	48710	2	20	1380			
1941-42	39	57	0.6	8.20	5930	12	10	112			
1942-43	51	4510	0.8	61.7	44670	1	23	14800			
1943-44	43	2240	2.5	50.2	36470	2	22	3300			
1944-45	42	500	1.1	14.2	10300	11	11	1870			
1945-46	73	1074	0.7	13.2	9570	3	30	1800			
1946-47	73	634	0.1	15.2	11020	12	26	1500			
1947-48	72	49	0.1	2.64	1910	4	29	140			
1948-49	72	11	+	2.09	1510	1	20	16	3	5	14
1949-50	78				ABANDONED 5/18/50						
					SEE STA. F111C-R						

NOTE: STATION AT VARIOUS LOCATIONS - SEE STATION DESCRIPTION

BIG TUJUNGA - FOX CREEK above Mouth (Drainage Area 9.4 square miles) — F110-R

1930-31	75	3.9	0.04	0.32	235	2	4	6.9			
1931-32	43	285	0.02	3.46	2510	2	8	400			
1932-33	88	21	0.01	0.78	565	1	19	115			
1933-34	88	89	0.01	0.98	710	1	1	215			
1934-35	80	29	+	1.63	1180	10	18	314			
1935-36	80	32	+	1.06	775	2	2	410			
1936-37	92	117	+	5.27	3810	12	27	270			
1937-38	92				*	3	2	N.D.			
					ABANDONED 2/7/38						

BIG TUJUNGA CREEK below Big Tujunga Dam (Drainage Area 62.7 square miles) — F106-R

1932-33	59	38	0.5	6.19	4480	1	19	58			
1933-34	59	15	0.2	5.93	4290	1	1	44			
1934-35	66	339	0.6	14.9	10760	4	8	547			
1935-36	66	40	0.2	7.53	5470	11	18	101			
1936-37	94	385	0.1	35.7	25860	2	16	385			
1937-38	94				*	3	2	33000 E			N.D.
1938-39	68	263 E	0.7	12.6	9110	12	23	424	9	25	2.6
1939-40	66	285	0.2	9.92	7200	1	8	747			
1940-41	50	1080	0.2	81.6	59100	2	21	1590			
1941-42	40	47	1.0	10.7	7720	12	31	47			
1942-43	53	6640	0.2	73.1	52910	1	23	17700			
1943-44	45	2300 E	0.3 E	57.5	41400	2	22	3310			
1944-45	44	241	0.8	16.9	12240	11	13-14	300 E			
1945-46	76	491	0.6	17.1	12400	3	30	983			
1946-47	76	460	0.7	17.7	12820	12	26	501			
1947-48	75	28	0.4	4.93	3580	7	15	54			
1948-49	75	4.5	+	2.28	1650	8	31	4.5			
1949-50	79	5.4	0.2	2.64	1910	7	2	5.4			
1950-51	79	12	0.2	1.71	1240	8	22	15 E			
1951-52	99	1040	0.5	36.1	26230	1	18	1860			
1952-53	99	51	0.1	6.53	4730	9	22	86			
1953-54	90	128	0.2	7.38	5340	3	1	158			
1954-55	90	15.5	0.1	3.16	2290	10	3	18.3			
1955-56	91	135	0.1	4.73	3440	1	26	148			
1956-57	91	8.6	+	2.28	1650	5	22	42.6			
1957-58		1120	+	38.0	27530	4	4	1320			
1958-59		116	0.2	4.4	3190	2	16	124			

YEARLY DISCHARGE SUMMARY

BIG TUJUNGA CREEK above Gold Canyon (Drainage Area 106 square miles) — F213-R

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS					
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	MO.	DAY	FLOW CFS	MO.	DAY	FLOW CFS
1932-33	62	488	1.1	10.5	7590	1	19	1390			
1933-34	62	634	0.9	10.6	7700	1	1	1450			
1934-35	72	354	2.6	20.5	14840	4	8	671			
1935-36	72	150	2.4	10.5	7640	2	2	494			
1936-37	98	423	1.0	50.1	36260	12	27	495			
1937-38	98	13000 E	2.5	116	83960	3	2	50000 E	3	1	1180
1938-39	70	316	3.5	18.8	13640	12	20	380	9	25	117
1939-40	67	350 E	1.6	15.1	10990			N.D.			
1940-41	52	1260	1.2	109.	78840	2	21	1650			
1941-42	42	62	4.4	14.8	10690	12	28	165			
1942-43	55	8000 E	1.2	105	76020	1	23	23000			
1943-44	47	3320	2.3	79.9	57890	2	22	4760			
1944-45	46	320	4.8	24.0	17370	2	2	897			
1945-46	76	698	4.9	23.7	17160	3	30	1300			
1946-47	78	644	4.0	26.2	18960	12	25	745			
1947-48	77	25	0.7	6.40	4640	2	5	53			
1948-49	77	13	0.6	3.40	2460	1	20	20			
1949-50	81	30	1.7	4.08	2960	11	10	73			
1950-51	81	7.1	0.2	2.08	1510	11	13	10			
1951-52	102	1740	1.3	56.9	41320	1	18	2960			
1952-53	102	59	1.8	8.99	6510	11	15	108	12	2	108
1953-54	93	227	0.6	11.4	8240	1	25	387			
1954-55	93	33	1.1	4.95	3580	1	18	73			
1955-56	94	214	0.3	6.48	4700	1	27	301			
1956-57	94	25	0.2	3.17	2290	1	13	60.4			
1957-58		1190	0.8	53.7	38910	4	3	1670			
1958-59		133	1.8	6.31	4570	2	11	245			

TUJUNGA WASH below Hansen Dam (Drainage Area 14E square miles) — E256

1944-45	48	441	0	13.8	9960	2	5	710			
1945-46	82	543	0	7.01	5070	12	23	610			
1946-47	82	480	0	21.6	15650	12	27	900			
1947-48	80	2.3	0	0.01	9.1	2	5	34			
1948-49	80	0.08	0	.004	2.6						
1949-50	84	0.1	0	.002	1.8	3	1	1.6			
1950-51	84				0						

TUJUNGA WASH at Glen Oaks Boulevard (Drainage Area 14G square miles) — E200-R

1931-32	28				* 741			N.D.			
1932-33	66	562	0	6.22	4500	1	19	2260			
1933-34	66	909	0	5.20	3760	1	1	3750			
1934-35	83	328	0	14.0	10110	4	8	615			
1935-36	83	213	0	5.83	4220	2	12	628			
1936-37	101	496	0	49.8	35580			N.D.			
1937-38	101		0	*		3	2	54000 E			
1938-39				NO RECORD							
1939-40	69	*	0	*	*			*			
1940-41	56	1050	0	115.	83220	3	5	1200			
1941-42	44	59	0	5.80	4190	12	30	59			
1942-43	56	1610 E	0	92.5	66970	1	23	1780			
1943-44	49	985	0	60.3	43750	2	22	1100			
1944-45	49	303	0	3.21	2330	2	5	510			
1945-46	84	543	0	3.81	2820	12	23	610			
1946-47	84	255	0	9.47	6850						
1947-48	82	0	0	0	0						
1948-49	82	0	0	0	0						
1949-50	84	0	0	0	0						
1950-51	84	0	0	0	0						
1951-52	106	2550	0	12.1	8810	1	24	3000			
1952-53	106	3.8	0	0.09	68	2	4	178			
1953-54	97	9.4	0	0.34	245	3	2	50			
1954-55	97	1.9	0	0.03	20	5	7	8.9			
1955-56	98	4.1	0	0.03	25	3	1	20			
1956-57	98	1.7	0	0.03	22	2	28	18			
1957-58		1510	0	18.0	13040	4	3	1700			
1958-59		1.0	0	.006	4.6	1	6	16			

NOTE: STATION AT VARIOUS LOCATIONS - SEE STATION DESCRIPTION

TUJUNGA WASH at Magnolia Boulevard (Drainage Area - split) — F105-R

1930-31	38				NEGLIGIBLE			NEGLIGIBLE			
1931-32	28	12	0	0.11	78	12	28	46			
1932-33	70	0	0	0	0			0			
1933-34	70	12	0	0.34	25	1	1	145			
1934-35	86	0	0	0	0			0			
1935-36	86	3.3	0	0.01	8.9	2	12	15			
1936-37	104	14	0	0.07	51	2	6	53			
1937-38	104				*			N.D.			
1938-39	72	0.1	0	+	0.4	1	21	1.1	9	25	0.5
1939-40	71	19 E	0	0.12 E	96 E			N.D.			
1940-41	58	37	0	0.52	373	2	28	125			
1941-42	45	16	+	0.17	123	12	28	119			
1942-43	58	140	+	0.98	708	1	22	1350			
1943-44	51	97	0.3	1.51	1090	2	20	460			
1944-45	50	2.6	0.2	0.57	413	2	2	16			
1945-46	87	0.6	0.04	0.14	103	12	21	2.1			
1946-47	87	0.6	0	0.02	18	12	26	2.3			
1947-48	82	0.3	0	+	0.6	3	24	1.3			

STATION DISCONTINUED 3/24/49 - SEE STATION F105B-R

YEARLY DISCHARGE SUMMARY

YEARLY DISCHARGE SUMMARY

TUJUNGA WASH below Foothill Boulevard (Drainage Area 212 square miles) F106B-R

WATER YEAR ENDING SEPTEMBER 30

YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW CFS	MO.	DAY	FLOW CFS
1949-50	85							N.D.			
1950-51	85	21	0	0.31	223	1	29	96			
1951-52	108	2740	0	22.2	16110	1	24	3280	1	17	1410
1952-53	108	98	0	1.26	913	11	15	1010			
1953-54	99	247	0	2.62	1890	1	19	1000			
1954-55	99	152	0	2.17	1570	1	10	1040			
1955-56	99	552	0	3.54	2570	1	26	1080			
1956-57	99	180	0	5.11	3700	1	5	1440			
1957-58		1530	0	31.9	23110	2	4	2200			
1958-59		396	0	2.72	1970	1	6	3670			

TUJUNGA WASH - CENTRAL BRANCH at Magnolia Boulevard (Drainage Area 6.86 square miles after 1946) F106-R

YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW CFS	MO.	DAY	FLOW CFS
1930-31	34	24	0	0.13	91	2	3	56			
1931-32	29	591	0	5.75	4170	2	9	1380			
1932-33	71	127	0	0.57	413	1	19	429			
1933-34	71	641	0	1.99	1440	1	1	3110			
1934-35	76	81	0	0.73	528	1	5	352			
1935-36	76	86	0	0.68	497	2	12	400			
1936-37	106	190	0	3.75	2720	2	6	681			
1937-38	106		0		*	3	2	N.D.	3	1	1880
1938-39	73	NO RECORD			*			N.D.			
1939-40	70	472 E	0	2.14 E	1560 E			N.D.			
1940-41	60	550	0	31.2	22570 E			N.D.			
1941-42	46	8.5	0	+	33	12	10	57			
1942-43	60	1220	0	30.3	21920	1	24	1460			
1943-44	52	630 E	0	28.0	20340	2	22	1540			
1944-45	52	80	0	0.73	532	2	6	321			
1945-46	89	231	0	1.16	841	12	24	357			
1946-47	89	148	0	0.66	478	12	28	593			
1947-48	83	22	0	0.08	58	3	24	285			
1948-49	83	2.9	0	0.04	30	12	17	40			
1949-50	86	6.7	0	0.06	44	1	8	35			
1950-51	86	3.3	0	0.03	24	11	13	39			
1951-52	111	105	0	1.30	941	3	15	287			
1952-53	111	21	0	0.19	139	11	15	333			
1953-54	102	40	0	.402	291	1	19	208			
1954-55	102	30	0	0.41	298	1	18	164			
1955-56	103	97	0	0.67	485	1	26	168			
1956-57	103	43	0	0.65	471	1	13	317			
1957-58		62	0	1.48	1080	2	3	430			
1958-59		87	0	0.63	454	1	6	653			

NOTE: STATION AT VARIOUS LOCATIONS - SEE STATION DESCRIPTION

BOUTON CREEK at Anaheim Street (Drainage Area 3.60 square miles) F297-R

YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW CFS	MO.	DAY	FLOW CFS
1950-51	89	14	0	0.16	129	1	29	127			
1951-52	114	133	0	1.68	1220	1	16	460			
1952-53	114	34	0	0.35	250	11	15	130			
1953-54	105	80	0	.753	544	2	13	363			
1954-55	105	27	0	0.49	354	1	18	166			
1955-56	106	174	0	0.92	671	1	26	302			
1956-57	106	31	0	0.33	241	1	13	100			

(STATION DISCONTINUED)

BROWNS CANYON CREEK at Devonshire Street, Chatsworth (Drainage Area 14.3 square miles) F2-R

YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW CFS	MO.	DAY	FLOW CFS
1928-29	259	0	0	0	* 0			0			
1929-30	23	0	0	0	0			0			
1930-31	46	5.0	0	0.77	554	4	26	7.7			
1931-32	33	80	0	0.96	693	2	9	152			
1932-33				NO RECORD							
1933-34				NO RECORD							
1934-35				NO RECORD							
1935-36					**			N.D.			
1936-37	109	85	0	0.61	439	2	14	140			
1937-38	109	595	0	2.92	2120	3	2	1100 E	3	1	94
1938-39	74	8.5	0	0.10	75	12	18	63 E			
1939-40					**						

STATION ABANDONED - 10/31/39

CALABASAS CREEK at Ventura Boulevard (Drainage Area 2.4 square miles) F270-R

YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW CFS	MO.	DAY	FLOW CFS
1939-40	72				* 0.30						
1940-41	61	65	0	1.49	1080	2	20	551			
1941-42	47	0.3	0	+	1.2	12	28	5.6			
1942-43	61	34	0	0.55	402	1	23	445			
1943-44	54	114 E	0	0.55	399	2	22	550			
1944-45	53	2.5 E	0	0.01	7.2	2	2	20			
1945-46	91	4.3	0	0.02	16.9	12	21	30			
1946-47	91	2.6	0	0.02	12.1	11	23	45			
1947-48	86	0	0	0	0						
1948-49	86	0	0	0	0						
1949-50	93										

STATION DISCONTINUED - 12/7/50

BRADBURY CHANNEL below Central Avenue (Drainage Area 3.3 square miles) F329-R

YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW CFS	MO.	DAY	FLOW CFS
1958-59		29	0	0.25	182	1	6	1250			

YEARLY DISCHARGE SUMMARY

CASTAIC CREEK at Highway 126 (Drainage Area 202.5 square miles) F106-R

WATER YEAR ENDING SEPTEMBER 30

YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW CFS	MO.	DAY	FLOW CFS
1945-46	93		RECORD	INCOMPLETE				N.D.			
1946-47	93	435	0	4.25	3080	12	26	1440			
1947-48	86	24	0	0.11	77	3	24	243			
1948-49	86	0	0	0	0						
1949-50	93										
1950-51	93	0	0	0	* 0						
1951-52	118	1450	0	26.6	19330	1	15	4200			
1952-53	118	31	0	0.18	133	12	2	377			
1953-54	109	270	0	1.35	977	2	13	1480			
1954-55	109	27	0	0.18	134	4	30	82			
1955-56	111	123	0	0.43	311	1	26	281			
1956-57	111	63	0	0.25	184	1	13	237			
1957-58		1450	0	33.4	24180	4	3	2690			
1958-59		170	0	0.65	472	2	16	466 E			

CENTINELA CREEK at Centinela Boulevard (Drainage Area 5.17 square miles) F166-R

YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW CFS	MO.	DAY	FLOW CFS
1932-33	74	70	0	0.74	534	1	19	297			
1933-34	74	212	0	1.24	895	1	1	570			
1934-35	88	259	0	2.23	1620	3	2	1590			
1935-36	88	91	0	0.70	509	2	14	1170			

STATION ABANDONED 6/11/36

COMPTON CREEK at 120th Street (Drainage Area 14.5 square miles) F302-R

YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW CFS	MO.	DAY	FLOW CFS
1951-52	121	453	0.1	8.30	6030	1	18	1730			
1952-53	121	130	0	2.64	1920	11	15	1240			
1953-54	112	498	+	4.33	3140	2	13	2050			
1954-55	112	160	0	3.71	2690	1	18	1220			
1955-56	114	898	0.2	5.59	4050	1	26	2040			
1956-57	114	121	0	3.24	2360	5	11	1550			
1957-58		600	0	7.64	5530	2	19	2900			
1958-59		239	0	2.13	1550	1	6	1760			

COMPTON CREEK near Greenleaf Drive (Drainage Area 23.3 square miles) F378-R

YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW CFS	MO.	DAY	FLOW CFS
1927-28	80		0		*1230	3	5	* 240			
1928-29	188	197	0	3.13	2270	3	10	924			
1929-30	29	144	0	3.48	2520	3	14	580			
1930-31	50	137	0.04	3.31	2400	4	26	678			
1931-32	35	248	0	4.43	3220	1	31	757			
1932-33	77	166	0	2.45	1780	1	19	740			
1933-34	77	372	0	3.53	2560	1	1	960			
1934-35	90	301	0	5.73	4170	4	8	850			
1935-36	90	143	0	4.02	2920	2	12	824			
1936-37	112		0		*	2	6	1220			
1937-38	112	986 E	0	*	*6850	3	2	N.D.	3	1	1540
1938-39	75	837	0	7.12	5150	19	25	2150			
1939-40	73	256	0.1	7.35	5340	2	3	1630			
1940-41	63	544	1.0	22.7	16400	12	23	2660			
1941-42	48	236	3.0	10.1	7280	12	10	1730			
1942-43	63	752	0.8	11.8	8560	1	22	2050			
1943-44	55	739	2.3	15.6	11290	2	20	2370			
1944-45	54	363	4.4	12.7	9210	11	11	3010			
1945-46	95	362	2.6	11.0	7960	12	23	2010			
1946-47	95	474	4.1	13.9	10080	11	23	2930			
1947-48	88	170	0.6	7.90	5740	3	24	1410			
1948-49	88	282	0.1	5.06	3660	12	17	2710			
1949-50	94	433	+	6.65	4820	2	6	2830			
1950-51	94	209	+	4.90	3550	1	10	1730			
1951-52	124	661	0.1	14.7	10650	1	18	3220 E			
1952-53	124	220	0.1	5.56	4020	11	15	2380			
1953-54	115	797	0.1	7.46	5410	2	13	3600			
1954-55	115	374	0.1	8.40	6080	1	18	2710			
1955-56	118	2090	0.2	12.7	9240	1	26	4910			
1956-57	118	286	+	5.62	4070	5	11	1780			
1957-58		1100	+	16.0	11610	2	19	4640			
1958-59		449	0	4.60	3330	1	6	4320			

NOTE: STATION AT VARIOUS LOCATIONS - SEE STATION DESCRIPTION

COYOTE CREEK at Del Amo Street (Drainage Area 110 square miles) F410-R

YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW CFS	MO.	DAY	FLOW CFS
1929-30	24	69	0	0.96	699	1	15	91			
1930-31	58	132	0	0.78	568	2	5	218			
1931-32	37	496	0	3.70	2690	2	9	799			
1932-33	80	130	0	0.63	457	1	30	283			
1933-34	80	1350	0	5.38	3890	1	1	2020			
1934-35	96	569	0	5.33	3850	12	13	3190			
1935-36	96	172	0	1.60	1150	2	12	486			
1936-37	115	2760	0	18.9	13680	2	6	4190			
1937-38	115	2770	0	20.8	15070	3	2	3610	3	1	1940
1938-39	77	552 E	0	5.86	4250	9	25	1660 E			
1939-40	75	276	0	4.40	3190	2	3	827			
1940-41	65	1440	0	40.7	29500	2	28	2750			
1941-42	50	92	0	2.15	1560	12	10	351			
1942-43	65	1030	0	16.7	12070	1	23	1480			
1943-44	57	1860	0	16.6	12060	2	22	3550			
1944-45	56	185	0.3	5.24	3800	11	12	488			
1945-46	98	278	0.2	4.89	3540	12	23	920			
1946-47	98	96	0.1	3.39	2460	11	14	145			
1947-48	91	9.3	0	2.07	1500	12	13	23			
1948-49	91	9.2	0	1.31	951	1	21	11			
1949-50	97	89	0	2.48	1800	2	6	240			
1950-51	97	8.4	0	1.96	1420	1	30	12			
1951-52	127	4420	0	33.0	23920	1	18	7360			
1952-53	127	110	0	1.60	1155	12	2	518			
1953-54	118	410	0	5.53	3990	2	13	1190			
1954-55	118	176	0	1.67	1220	1	18	611			
1955-56	122					1	26	3770			

STATION DISCONTINUED 2/8/56 - SEE STATION F320-R
NOTE: STATION AT VARIOUS LOCATIONS - SEE STATION DESCRIPTION

YEARLY DISCHARGE SUMMARY

YEARLY DISCHARGE SUMMARY

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS					
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	MO.	DAY	FLOW CFS	MO.	DAY	FLOW CFS
COYOTE CREEK at Centralia Street (Drainage Area 110 square miles)											F320-R
1955-56	122	NOT DETERMINED									
1956-57	122	163	+	1.66	1200	1	13	334			
1957-58		941	0	21.7	15660	4	7	2230			
1958-59		246	0.2	4.26	3080	1	6	480			
DOMINGUEZ CHANNEL at Carson Boulevard (Drainage Area 56 square miles)											F265-R
1940-41	67	250**	0.3	44.6	32260			N.D.			
1941-42	52	45	0	4.93	3570	12	11	47			
1942-43	67	632	2.0	16.8	12200	1	23	706			
1943-44	58	991	4.6	26.2	19020	2	23	1020			
1944-45	57	104	6.5	12.5	9010	2	3	176			
1945-46	102	195	6.0	12.3	8890	12	23	231			
1946-47	102	263	5.6	14.8	10650	12	26	325			
1947-48	93	32	1.4	7.17	5200	3	18	37			
1948-49	93	66	1.8	7.81	5660	1	21	75			
1949-50	100	122	2.1	9.11	6590	2	7	132			
1950-51	100	52	3.8	12.7	9180	1	30	67			
1951-52	131	1160	6.0	35.4	25700	1	18	1410			
1952-53	131	125	6.3	13.3	9630	11	16	197			
1953-54	122	674	5.4	19.0	13800	2	14	705			
1954-55	122	224	6.9	16.4	11850	1	19	257			
1955-56	127	1630	4.3	30.8	22370	1	26-27	1720			
1956-57	127	225	5.4	15.8	11440	1	13	376			
1957-58		819	4.8	41.5	30080	2	20	840			
1958-59		390	+	18.3	13270	2	16	488			
DUME CREEK at Roosevelt Highway (Drainage Area 6.6 square miles)											F53-R
1929-30	40	100	0	0.30	218	1	15	426			
1930-31	64	40	0	0.18	127	2	4	205			
1931-32	39	94	0	1.00	726	12	28	425			
1932-33	83	15	0	0.11	81	1	19	110			
1933-34	83	839	0	3.13	2270	12	31	2750			
1934-35	99	47	0	0.24	176	1	5	409			
1935-36	99	26	0	0.28	202	2	14	206			
1936-37	117	230	0	2.62	1900	2	6	624			
1937-38	117				**	3	2	N.D.			
1938-39	79	13	0	0.04	31	9	25	115			
1939-40	77	39	0	0.32	229	2	2	183			
1940-41	69	230	0	9.39	6800	1	24	876			
1941-42	53	0.4	0	0.04	28	12	28	2.7			
1942-43	69	666	0	4.17	3020	1	22	1440			
1943-44	60	163	0	2.17	1570	2	20	627			
1944-45	59	11	0	+	23	2	2	65			
1945-46	105	23	0	0.09	68.2	12	23	142			
1946-47	105	73	0	0.33	241	11	20	490			
1947-48	97	0	0	0	0			0			
1948-49	97	0	0	0	0			0			
1949-50	103	0	0	0	0			0			
1950-51	103	0	0	0	0			0			
1951-52	135	769	0	9.02	6540	1	15	2010			
1952-53	135	6.1	0	0.05	34	12	2	30			
1953-54	126	224	0	0.73	529	2	13	989			
1954-55	126			0	0			0			
1955-56	131	301	0	1.02	738	1	26	560			
1956-57	131	24	0	0.10	74.0	2	23	120			
1957-58		133	0	4.21	3050	2	25	466			
1958-59		24	0	0.08	55	2	16	159			
EATON WASH below Eaton Wash Debris Dam (Drainage Area 9.5 square miles)											F271-R
1940-41	71	211 E	0	8.40	6090	2	20	256			
1941-42	54	+	0	+	+	VAR. TIMES		+			
1942-43	73	663	0	8.84	6400	1	23	1080			
1943-44	62	161	0	2.71	1970	3	14	268			
1944-45	62	17	0	0.14	101	2	2	26			
1945-46	109	43	0	0.37	265	12	22	121			
1946-47	109	63	0	0.70	507	12	26	86			
1947-48	99	1.7	0	0.01	5.6	12	4-5	9.0			
1948-49	99	0.3	0	+	1.2	12	17	0.4			
1949-50	106	13.8	0	0.10	70.	11	14	72			
1950-51	106	2.3	0	0.01	7.5	5	3-4	3.9			
1951-52	140	166	0	2.63	1900	1	18	204			
1952-53	140	0	0	0	0	0	0	0			
1953-54	130	40	0	0.28	200	2	14	72			
1954-55	130	+	0	0	0						
1955-56	134	41	0	0.21	150	1	26	41			
1956-57	134	2.1	0	0.02	12.8	6	6	10			
1957-58		136	0	3.11	2250	4	4-5	146			
1958-59		29	0	0.22	163	2	16	164			

YEARLY DISCHARGE SUMMARY

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS					
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	MO.	DAY	FLOW CFS	MO.	DAY	FLOW CFS
EATON WASH at Ellis Lane (Drainage Area 16.4 square miles)											F104-R
1930-31	69	58	0	0.43	314	4	26	359			
1931-32	41	129	0	1.30	946	1	31	227			
1932-33	85	187	0	0.78	564	1	19	399			
1933-34	85	523	0	2.75	1990	1	1	2180			
1934-35	101	72	0	0.75	543	1	5	609			
1935-36	101	63	0	1.19	866	2	12	414			
1936-37	119	101	0	1.79	1300	12	27	400			
1937-38	119	724	0	5.76	4170	3	2	1900 E	2	28	670
1938-39	80	77	0	0.99	718	1	5	738	9	25	240
1939-40	78	45	0	0.55	402	2	2	341			
1940-41	72	268	0	7.66	5860	3	3	990			
1941-42	54	49	0	0.40	293	12	10	289			
1942-43	74	885 E	0	9.82	7100	1	23	2280			
1943-44	63	224	0	2.27	1650	2	22	412			
1944-45	63	37	0	0.38	273	2	2	425			
1945-46	111	105	0	0.70	509	12	23	286			
1946-47	111	74	0	1.16	840	11	13	674			
1947-48	100	23	0	0.26	191	3	24	390			
1948-49	100	8.0	0	0.12	86	3	11	54			
1949-50	107	82	0	0.54	392	2	6	290			
1950-51	107	21	0	0.18	133	1	11	361			
1951-52	141	210	0	3.88	2820	1	16	953			
1952-53	141	93	0	0.74	539	11	15	868			
1953-54	131	200	0	1.54	1120	2	13	1010			
1954-55	131	84	0	0.65	472	1	18	1100			
1955-56								N.D.			
		DISCONTINUED 5/4/55									
NOTE: STATION AT VARIOUS LOCATIONS - SEE STATION DESCRIPTION											
EATON WASH at Loftus Drive (Drainage Area 16.9 miles)											F318-R
1956-57	136	201	0	3.32	2400	2	23	1760			
1957-58		368	0.1	10.3	7460	2	19	2700			
1958-59		245	0.1	3.93	2850	1	6	3480			
EVEY CANYON CREEK at Camp Baldy Road (Drainage Area 1.53 square miles)											F296-R
1956-57		RECORD INCOMPLETE		(RECORDER INSTALLED 11-7-56)							
1957-58		26	0	0.93	678			N.D.			
1958-59		8.3	0.04	0.28	202	2	11	32			
LA TUNA CREEK at Belmont Country Club (Drainage Area 5.1 square miles)											F287-R
1945-46	119	RECORD INCOMPLETE				3	30	102			
1946-47	119	29	0	0.22	158	12	26	132			
1947-48	108	+	0	+	+						
1948-49	108	0	0	0	0						
1949-50	113	+	0	+	+						
1950-51	113	0	0	0	0						
1951-52	149	137	0	1.76	1280	1	16	656			
1952-53	149	3.8	0	0.03	18	12	20	24			
1953-54	138	3.9	0	0.04	32	2	13	28			
1954-55	138	1.4	0	0.01	7.6	1	18	9.9			
1955-56	143	21.0	0	0.06	42.0	1	26	300			
1956-57	143	0.5	0	0.01	5.2	1	12	7.0			
		STATION REMOVED - SEE F287B-R									
LA TUNA CREEK below Debris Basin (Drainage Area 5.34 square miles)											F267B-R
1957-58		19.0	0	0.30	217	9	3	55			
1958-59		5.1	0	+	17	1	6	86			
LIMEKILN WASH at Devonshire Street (Drainage Area 3.6 square miles)											F148-R
1939-40	80	1.9	0	0.02	13	1	8	12			
1940-41	75	41	0	1.50	1080	2	17	318			
1941-42	55	1.6	0	0.03	20	12	10	6.3			
1942-43	79	60	0	0.85	619	1	22	300			
1943-44	68	65	0	0.53	382	2	22	288			
1944-45	67	7.0	0	0.11	77	2	2	50			
1945-46	121	12.0	0	0.14	104	12	21	93			
1946-47	121	8.1	0	0.13	92	12	25	33			
1947-48	108	4.5	0	0.03	23	3	24	70			
1948-49	108	1.0	0	0.01	4.4	3	11	6.7			
1949-50	114	3.9	0	0.02	17	2	6	22			
1950-51	114	1.7	0	0.02	14	1	29	21			
1951-52	152	119	0	1.18	857	1	15	828			
1952-53	152	11.1	0	0.15	107	11	15	199			
1953-54	141	18.0	0	0.20	148	1	19	268			
1954-55	141	7.9	0	0.10	75	1	18	49			
1955-56	146	43	0	0.20	142	1	26	90			
1956-57	146	11	0	0.09	67	2	23	69			
1957-58								N.D.			
		DISCONTINUED									

YEARLY DISCHARGE SUMMARY

YEARLY DISCHARGE SUMMARY

LITTLE DALTON CREEK above Mouth of Canyon (Drainage Area 2.7 square miles) — F65B-R

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS					
YEAR	PAGE NO	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	MO.	DAY	FLOW CFS	MO.	DAY	FLOW CFS
1928-29	44		0		* 58	3	10	* 5.8			
1929-30	52	4.5	0	0.12	85	5	3	28			
1930-31	80	1.8	0	0.04	30	4	26	6.3			
1931-32	46	25	0	0.62	449	1	31	72			
1932-33	91	7.6	0	0.10	75	1	19	25			
1933-34	91	97	0	0.67	482	1	1	201			
1934-35	104	26	0	0.68	495	4	8	69			
1935-36	104	19	0	0.64	465	2	11	118			
1936-37	121	41	0	1.97	1430	12	31	140			
1937-38	121	381	0	3.68	2660	3	2	960 E	3	1	391
1938-39	82	7.0	0	0.28	207	1	5	36	9	25	3
1939-40	81	13	0	0.32	231	1	7	63			
1940-41	76	41	0	2.70	1950	3	4	73			
1941-42	56	2.5	0	0.27	198	12	29	10			
1942-43	80	76	0	2.64	1910	1	23	182			
1943-44	69	97	0	1.24	900	2	22	198			
1944-45	68	20	0	1.03	748	11	11	96			
1945-46	123	57	0	0.72	519	12	21	111			
1946-47	123	19	0	0.55	400	11	20	57			
1947-48	111	1.6	0	0.06	41	4	3	4.0			
1948-49	111	1.1	0	0.08	58	3	4	1.9			
1949-50	117	3.3	0	0.13	94	12	18	8.1			
1950-51	117	0.5	0	0.01	4.2	1	11	5.4			
1951-52	155	45	0	1.29	935	1	16	118			
1952-53	155	2.5	0	0.08	60	12	1	12			
1953-54	144	27	0	0.42	308	1	25	58			
1954-55	144	2.1	0	0.06	45	1	18	43			
1955-56	148	50	0	0.29	211	1	26	180			
1956-57	148	3.3	0	0.09	67.0	1	13	12.2			
1957-58		76	0	1.93	1400	4	3	180			
1958-59		11	0	0.11	81	2	16	64			

NOTE: STATION AT VARIOUS LOCATIONS - SEE STATION DESCRIPTION

LITTLE ROCK CREEK above Little Rock Dam (Drainage Area 49.2 square miles) — L1-R

YEAR	PAGE NO	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	MO.	DAY	FLOW CFS	MO.	DAY	FLOW CFS
1930-31	94	195	0	4.99	3610	4	26	430			
1931-32	51	830	0	*	*16730	2	8	2200			
1932-33	99	56	0	5.77	4180	3	9	66			
1933-34	99	455	0	5.20	3770			N.D.			
1934-35	107	716	0	24.4	17640	2	5	925			
1935-36	107	127	0	4.57	3320	2	23	261			
1936-37	124	679	0	30.3	21950	2	6	1550			
1937-38	124		0	*		3	2	17000 E			
1938-39	84			*				N.D.	9	25	1100
1939-40	83	183	0	9.64	7000	1	8	555			
1940-41	79	1730	0	71.3	51620	2	20	2240			
1941-42	58	55	+	7.10	5140	4	14	92			
1942-43	82	2730 E	0	49.5	35870	1	23	5700			
1943-44	71	736	0.8	49.6	35940	2	22	902			
1944-45	70	323	0.1	12.8	9250	11	11	1080			
1945-46	127	604	0	16.7	12150	12	21	1100			
1946-47	127	1740	0	21.9	15840	12	26	3180			
1947-48	114	62	0	3.37	2450	4	29	122			
1948-49	114	33	0	4.38	3170	4	14	37			
1949-50	120	114	0	3.41	2470	2	6	212			
1950-51	120	4.7	0	0.60	432	5	4	5.0			
1951-52	158	311	0	31.6	22890	12	30	502			
1952-53	158	33	0	4.17	3020	1	9	36			
1953-54	146	328	0	11.6	8430	1	25	655			
1954-55	146	116	+	10.1	7310	11	11	236			
1955-56	152	424	0	7.54	5470	1	26	1050			
1956-57	152	399	0	6.30	4560	1	13	1042			
1957-58		521	0	40.7	29500	12	15	1070			
1958-59		163	0	5.73	4150	2	16	598			

LITTLE TUJUNGA WASH at Foothill Boulevard (Drainage Area 21.0 square miles) — F1S-R

YEAR	PAGE NO	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	MO.	DAY	FLOW CFS	MO.	DAY	FLOW CFS
1928-29	255			NEGLIGIBLE	0			N.D.			
1929-30	51			NEGLIGIBLE	0			N.D.			
1930-31	90	7.1	0	0.08	57	2	4	30			
1931-32	50	274	0	2.57	1870	2	9	660			
1932-33	96	118	0	0.71	514	1	19	450			
1933-34	96	258	0	1.12	819	1	1	1360			
1934-35	113	63	0	0.63	455	12	13	89			
1935-36	113	83	0	1.28	929	2	2	653			
1936-37	129	175	0	6.58	4760	2	14	964			
1937-38	129	1300	0	12.4	8960	3	2	8500 E	3	1	1140
1938-39	87	40	0	0.70	504	3	9	175	9	25	8
1939-40	86	148	0	1.24	899	1	8	2090			
1940-41	83	534	0	14.6	10600	3	4	1310			
1941-42	62	30	0	0.27	199	12	28	198			
1942-43	88	592	0	10.2	7380	1	23	3700			
1943-44	76	826	0	8.04	5840	2	22	4220			
1944-45	76	48	0	0.76	550	11	11	244			
1945-46	137	96	0	0.80	577	3	30	156			
1946-47	137	54	0	0.98	706	11	20	200			
1947-48	123	2.6	0	0.01	9.1	3	24	16			
1948-49	123	0.1	0	0.+	0.2	5	19	0.9			
1949-50	124	3.1	0	0.04	29.	12	18	9.8			
1950-51	124	1.4	0	0.012	9.0	1	11	13			
1951-52	162	422	0	7.67	5570	1	16	2110			
1952-53	162	18	0	0.25	184	12	1	138			
1953-54	152	43	0	0.56	407	2	13	198			
1954-55	152	7.3	0	0.06	47	1	18	35			
1955-56	157	125	0	0.53	385	1	26	445			
1956-57	157	5.0	0	0.05	35	2	28	112			
1957-58		223	0	4.75	3440	4	3	559			
1958-59		10	0	0.10	71	1	6	84			

YEARLY DISCHARGE SUMMARY

LIVE OAK CREEK near Mouth of Canyon (Drainage Area 2.6 square miles) — F31-R

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS					
YEAR	PAGE NO	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	MO.	DAY	FLOW CFS	MO.	DAY	FLOW CFS
1927-28	50		0		* 0.2	2	4	0.1			
1928-29	60	0	0	0	0			0			
1929-30	59	0	0	0	0			0			
1930-31	98	0	0	0	0			0			
1931-32	53	7.0	0	0.28	207	2	8	22			
1932-33	101	0.06	0	+	0.16	1	20	0.2			
1933-34	101	19	0	0.32	228	12	29	35			
1934-35	116	0	0	0	0			0			
1935-36	116	0.1	0	+	0.20	2	12	0.6			
1936-37	132	22	0	0.59	429	2	14	29			
1937-38	132	96	0	1.10	794	3	2	257	3	1	37
1938-39	88	0.1	0	+		9	16	0.9	9	25	0.6
1939-40	88	0.7	0	0.01	9.5	1	7	3.8			
1940-41	85	27	0	1.05	763	3	5	28			
1941-42	63	0	0	0	0			0			
1942-43	89	35	0	1.14	822	1	23	54			
1943-44	78	13	0	0.30	215	2	22	24			
1944-45	77	5.5	0	0.21	150	2	2	12			
1945-46	140	2.7	0	0.10	76	12	23	40			
1946-47	140	1.9	0	0.05	38	1	1	1.9			
1947-48	125	0	0	0	0						
1948-49	125			0	0						
1949-50	127			0	0						
1950-51	127			0	0						
1951-52	165	21.0	0	0.55	397	1	16	25			
1952-53	165			0	0						
1953-54	155	6.7	0	.078	57	1	16	19			
1954-55	155	0	0	0	0						
1955-56	160	4.6	0	0.09	67	1	26	39			
1956-57	160	0	0	0	0						
1957-58		14.8	0	0.82	594	2	4	30			
1958-59		0.2	0	+	1.8	2	11	3.4			

LIVE OAK WASH below Seventh Street, La Verne (Established to measure M.W.D. water to Zone I) — F311-R

YEAR	PAGE NO	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	MO.	DAY	FLOW CFS	MO.	DAY	FLOW CFS
1953-54	156	235	0		29604						
1954-55	156	239	0	33.3	24080						
1955-56	161				56039						
1956-57	161	216	0	69.1	50010	3	30	217			
1957-58		NO DELIVERY THIS YEAR									
1958-59		" " " "									

LOS ANGELES RIVER below Sepulveda Dam (Drainage Area 155 square miles) — E5C-R

YEAR	PAGE NO	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	MO.	DAY	FLOW CFS	MO.	DAY	FLOW CFS
1952-53	169	327	3.1	18.2	13200	12	1	1480			
1953-54	158	847	1.4	18.3	13210	2	13	4000			
1954-55	158	524	4.2	22.2	16080	1	18	2220			
1955-56	163	2480	3.2	24	17410	1	26	4670			
1956-57	163	798	2.4	15.9	11500	1	13	3160			
1957-58		2200	2.8	56.8	41110	12	15	10300			
1958-59		1670	3.2	23.2	16770	1	6	10200			

LOS ANGELES RIVER below Sepulveda Boulevard (Drainage Area 157 square miles) — F58-R

YEAR	PAGE NO	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	MO.	DAY	FLOW CFS	MO.	DAY	FLOW CFS
1928-29	216				* 720	4	4	127			
1929-30	80	143	0	1.72	1230	3	15	389			
1930-31	99	652	0.06	5.09	3680	2	4	1300			
1931-32	55	825	0.08	8.72	6330	2	8	2000			
1932-33	103	1010	0.05	6.14	4440	1	19	1720			
1933-34	103	1910	0.03	7.65	5540	1	1	7380			
1934-35	131	203	+	4.35	3150	1	5	886			
1935-36	131	79	0.2	2.17	1570	2	12	286			
1936-37	134	1200	0.2	15.1	10920	2	14	2630			
1937-38	134	5870	0.8		*	3	2	2000 E	3	1	3220
1938-39	89	1180	1.8	17.9	12970	12	15	2980	9	25	1330
1939-40	89	637	1.8	10.2	7430	1	8	2690			
1940-41	86	3540	2.9	76.1	55120	2	20	6610			
1941-42	64	161	5.0	9.38	6790	12	28	1040			
1942-43	91	2370	5.0	45.7	33070	1	23	2710			
1943-44	79	4100 E	5.5	48.5	35210	2	22	5060			
1944-45	78	256	7.5	14.3	10370	2	2	1000			
1945-46	142	479	6.0	22.3	16120	12	21	1730			
1946-47	142	358	6.0	21.9	15840	12	26	881			
1947-48	125	83	5.2	11.7	8510	3	24	284			
1948-49	125	103	4.0	8.45	6120	12	17	149			
1949-50	127	141	2.4	7.87	5700	2	6	413			
1950-51	127	91	1.0	9.43	6830	1	29	280			
1951-52	166	4280	1.4	61.9	44920	1	16	8650			

STATION ABANDONED MARCH 27, 1952. SEE STATION E5C-R

LOS ANGELES RIVER at Tujunga Avenue (Drainage Area 408 square miles) — F30C-R

YEAR	PAGE NO	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	MO.	DAY	FLOW CFS	MO.	DAY	FLOW CFS
1950-51	132	181	2.6	12.3	8910	1	29	598			
1951-52	171	5360	3.1	101	73040	1	15	13220			
1952-53	171	851	6.5	27.1	19610	12	1	2900			
1953-54	161	1360	4.6	27.2	19690	2	13	5190			
1954-55	161	842	5.7	30.4	22000	1	10	4560			
1955-56	166	3890	5.7	35.1	25490	1	16	6800			
1956-57	166	1300	4.5	27.2	19700	1	13	6060			
1957-58		3530	3.8	100	72710	4	3	10800			
1958-59		2080	4.8	29.2	21180	1	6	12760			

YEARLY DISCHARGE SUMMARY

YEARLY DISCHARGE SUMMARY

LOS ANGELES RIVER at Vineland Avenue (Drainage Area 400 square miles) — F124-R

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS					
YEAR	PAGE NO	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	MO.	DAY	FLOW CFS	MO.	DAY	FLOW CFS
1928-29	224	127	4.1	18.0	13040	11	14	427			
1929-30	60	158	3.9	23.0	16660	3	15	231			
1930-31	130				*8370	2	4	1240			
1931-32	57	998	0.6	17.6	12830	2	8	1630			
1932-33	107	1230	1.7	11.6	8370	1	19	2080			
1933-34	107	2450	1.3	16.0	11560	1	1	9140			
1934-35	134	288	2.2	8.65	6260	1	5	1020			
1935-36	134	91	2.1	5.59	4060	2	12	261			
1936-37	137				**	2	14	2770			
1937-38	137				**	3	2	37700 E			
			STATION ABANDONED								

NOTE: STATION AT VARIOUS LOCATIONS - SEE STATION DESCRIPTION

LOS ANGELES RIVER at Mariposa Street (Drainage Area 430 square miles) — F266-R

1938-39	91				*20390	1	21	*1012	9	25	620
1939-40	92	986	8.0	38.7	28050	1	8	3950			
1940-41	89	5500	8.5	160	116000	3	4	8450			
1941-42	67	358	14	49.1	35540	12	28	2290			
1942-43	93	4440	11	136	97060	1	23	7520			
1943-44	81	6050	14	113	82390	2	22	9040			
1944-45	80	904	14	40.7	29460	2	2	2840			
1945-46	146	792	6.0	38.8	28070	12	22	2250			
1946-47	146	500	4.0	36.3	26310	11	13	1220			
1947-48	129	359	5.1	21.0	15260	3	24	2180			
1948-49	129	295	4.0	23.4	16970	12	16	1110			
1949-50	134	293	0.3	8.05	5830	1	8	874			
1950-51	134	241	0.3	7.41	5370	1	29	1300			
1951-52	175	6220	0	112	81270	1	18	12740			
1952-53	175	889	0	18.7	13530	11	15	4910			
1953-54	166	1780	+	24.0	17360	2	13	6440			
1954-55	166	1150	+	21.2	15330	1	10	4750			
1955-56	171	4910	0	34.4	24990	1	26	7910			
1956-57	171	1670	0	26.5	19200	2	23	8100			
1957-58		4030	0	108.	78210	4	3	11510			
1958-59		2400	0	21.2	15310	1	6	12380			

LOS ANGELES RIVER above Arroyo Seco (near Dayton Avenue) (Drainage Area 510 square miles) — F57C-R

1929-30	67	312	0	2.29	1660	3	15	500			
1930-31	123	927	0	5.48	3950	2	4	4540			
1931-32	60	2520	0	21.0	15240	2	8	3020			
1932-33	111	2330	0	14.7	10640	1	19	5780			
1933-34	111	5990	0	41.2	29810	1	1	22000			
1934-35	117	568	0.1	17.3	12550	4	8	2400 E			
1935-36	117	322	0.4	7.94	5770	3	30	2540			
1936-37	139	1670	0.4	33.8	24470	2	6	2410	2	14	2410
1937-38	139	27900	0.6	183.	132600	3	2	68000 E	3	1	9920
1938-39	93	1950	3.8	58.5	42360	1	5	3710	9	25	620
1939-40	94	2070	6.0	54.5	39590	1	8	8900			
1940-41	92	6700	4.2	228	165000	2	20	11870			
1941-42	69	1170	22	75.7	54800	12	10	5260			
1942-43	95	7120	15	172	124400	1	23	23900			
1943-44	83	8020	25	151	109800	2	22	14600			
1944-45	82	1160	6.5	51.1	36990	2	2	4900			
1945-46	149	1880	3.4	49.6	35880	12	22	5240			
1946-47	149	896	1.6	43.3	31330	12	25	5320			
1947-48	132	498	3.6	20.5	14890	3	24	4900			
1948-49	132	451	4.2	24.3	17600	12	17	1530			
1949-50	138	804	0.3	14.9	10760	2	6	2840			
1950-51	138	487	0.5	10.8	7840	1	11	3600			
1951-52	178	8130	0.5	149	108000	1	16	25260			
1952-53	178	1370	0.6	25.5	18480	12	20	7270			
1953-54	169	2570	0.2	29.0	21000	2	13	9580			
1954-55	169	1510	0.2	25.2	18270	1	18	6850			
1955-56	174	7290	0.6	49.4	35890	1	26	15300			
1956-57	174	2390	0.2	34.4	24890	2	23	22190			
1957-58		4650	0.4	126	91020	2	19	19660			
1958-59		3790	0.2	27.9	20230	1	6	17220			

NOTE: STATION AT VARIOUS LOCATIONS - SEE STATION DESCRIPTION

YEARLY DISCHARGE SUMMARY

LOS ANGELES RIVER at Firestone Boulevard (Drainage Area 614 square miles) — F34D-R

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS					
YEAR	PAGE NO	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	MO.	DAY	FLOW CFS	MO.	DAY	FLOW CFS
1927-28	67		0		* 6690	2	4	*1120			
1928-29	161	775	0	13.6	9830	11	14	2010			
1929-30	72	813	0	13.4	9730	3	15	2210			
1930-31	106	1560	1.4	18.6	13450	2	4	4360			
1931-32	62	2650	0.4	35.3	25620	2	8	4780			
1932-33	115	2900	0	23.5	17020	1	19	7070			
1933-34	115	8550	0	52.9	38330	1	1	29400			
1934-35	126	1430	0	40.3	29170	1	5	10400			
1935-36	126	1040	0	20.5	14920	2	12	5730			
1936-37	144	3460	0	67.2	48630	12	30	10000 E			
1937-38	144	40000	0	278	201300	3	2	79000	3	1	18500
1938-39	96	5090 E	0	108	78440	9	25	10800			
1939-40	97	2410	14 E	80.5	58420	1	8	7610			
1940-41	96	7580	10	345	249500	2	20	14760			
1941-42	72	2030	27	97.8	70820	12	10	8210			
1942-43	97	10710	18	268	193700	1	23	27500			
1943-44	86	13020	38	249	180900	2	22	24750			
1944-45	84	1980	16	91.0	65900	2	2	6970			
1945-46	153	4000	8.4	95.8	69310	12	22	12500			
1946-47	153	2760	14	99.7	72180	12	25	14870			
1947-48	136	1280	10	52.8	38350	3	24	8980			
1948-49	136	1130	11	49.1	35550	12	17	5300			
1949-50	142	1770	8.5	43.9	31760	2	6	8480			
1950-51	142	898	7.5	35.3	25560	1	11	5840			
1951-52	181	11790	1.8	249.	180500	1	16	32890			
1952-53	181	2000	1.4	57.1	41380	11	15	14100			
1953-54	173	4190	1.2	70.9	51330	2	13	19520			
1954-55	173	2470	6.2	54.3	39340	1	18	13660			
1955-56	178	12000	8.2	91.5	66440	1	26	28900			
1956-57	178	3960	3.8	53.2	38500	2	23	24600			
1957-58		6290	4.3	191	138400	2	19	34100			
1958-59		4660	5.9	51.4	37210	1	6	24250			

NOTE: STATION AT VARIOUS LOCATIONS - SEE STATION DESCRIPTION

LOS ANGELES RIVER at Pacific Coast Highway (Drainage Area, split) — F16D-R

1928-29	171				* 9340	3	10	*2870			
1929-30	87	1270	0.9	17.0	12310	3	15	1670			
1930-31	114	1390	0	19.9	14400	2	3	3700			
1931-32	65	7130	0.8	70.2	50960	2	9	8380			
1932-33	119	3310	0.3	31.6	22890	1	19	8710			
1933-34	119	19900	0	93.7	67860	1	1	37500			
1934-35	121	2930	1.6	55.9	40470	4	8	11000			
1935-36	121	1630	2.3	28.3	20470	2	12	10400			
1936-37	149	6800	3.3	126	91110	2	14	20500			
1937-38	149	50000	1.0	564	408000	3	2	99000 E	3	1	23300
1938-39	98	6220	3.5	114	82750	9	25	17300			
1939-40	100	2830 E	15	90.8	65930	2	2	8440			
1940-41	99	11120	18	510	369500	3	4	18170			
1941-42	75	3180	31	129	93390	12	10	10800			
1942-43	100	18100	28	366	264900	1	23	37900			
1943-44	88	17190	38	299	217400	2	22	34000			
1944-45	87	3020	33	138	100200	11	12	11600			
1945-46	156	6440	30	127	91790	12	22	12800			
1946-47	156	5750	18	146	106000	12	26	18810			
1947-48	140	1540	19	72.8	52820	3	24	9310			
1948-49	140	1790	13	61.3	44350	12	17	5520			
1949-50	146	2360	6.3	58.3	42180	2	6	9090			
1950-51	146	1610	5.6	50.6	36600	1	29	9040			
1951-52	185	16310	3.8	292	212200	1	16	47800			
1952-53	185	2932	1.9	61.4	44490	11	15	21100			
1953-54	177	8120	2.5	97.8	70790	2	13	34760			
1954-55	177	4180	2.2	83.0	60120	1	18	17750			
1955-56	183										
			STATION DISCONTINUED 1/25/56								

LOS ANGELES RIVER below Belhart Street (Drainage Area 609.7 square miles) (Excludes Area above Santa Fe Dam) — F31B-R

1955-56	183	21720	7.0	133	96810	1	26	40500			
1956-57	183	4550	5.5	67.3	48710	2	23	23000			
1957-58		10400	6.4	264	191200	2	19	43800			
1958-59		6340	7.2	68.2	49390	1	6	30980			

YEARLY DISCHARGE SUMMARY

YEARLY DISCHARGE SUMMARY

LOS CERRITOS CHANNEL at Stearns Street
(Drainage Area 36.2 square miles) — F279C-R

YEAR	PAGE NO	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW CFS	MO.	DAY	FLOW CFS
*1949-50	149	247	0	2.63	1900	2	6	894			
*1950-51	149	161	0	3.03	2190	1	29	934			
*1951-52	189	836	0	13.4	9730	1	18	2220			
*1952-53	189	298	0	3.88	2810	11	15	1700			
*1953-54	181	795	0	8.08	5850	2	13	2790			
*1954-55	181	362	0	6.21	4500	1	18	2120			
1955-56	188	1460	0	8.95	6500	1	25	3040			
1956-57	188	280	+	4.03	2920	2	23	747			
1957-58		972	+	13.4	9730	2	19	3050			
1958-59		393	0	3.33	2410	2	16	1120			

* AT ATHERTON STREET

MALIBU CREEK at Crater Camp
(Drainage Area 103 square miles) — F130-R

YEAR	PAGE NO	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW CFS	MO.	DAY	FLOW CFS
1930-31	139				*1920	2	4	743			
1931-32	68	1770	0.01	20.2	14670	2	9	3100			
1932-33	123	1100	0.1	12.7	9190	1	19	4460			
1933-34	123	3160	0.05	17.1	12370	1	1	9650			
1934-35	139	511	+	8.59	6220			N.D.			
1935-36	139	92	0	3.19	2310	2	23	147			
1936-37	154	1680	0	33.1	23940	2	14	2760			
1937-38	154	5090 E	0.2	47.1	34100	3	2	10000 E	3	1	5960
1938-39	101	139	0	6.40	4630	12	20	331	9	25	330
1939-40	103	335	+	8.40	6100	2	2	690			
1940-41	103	2200	0.1	101	73220	2	20	3620			
1941-42	77	32	0.1	2.52	1820	12	28	140			
1942-43	102	5370	0.1 E	65.8	47600	1	22	12240			
1943-44	90	3400	0.7 E	41.6	30170	2	22	7700			
1944-45	89	210	0.2	5.87	4240	2	2	516			
1945-46	160	267	0.1	5.24	3800	3	30	506			
1946-47	160	142	0.1	5.28	3820	11	13	980			
1947-48	144	15	0.03	0.25	177	3	24	113			
1948-49	144	0.6	+	0.12	90	5	18	0.62			
1949-50	152	64	0	0.66	477	2	6	674			
1950-51	152	0.3	0	0.078	56	1	11	2.9			
1951-52	192	6720	0	80.2	58200	3	15	13560			
1952-53	192	81	+	4.05	2940	11	15	322			
1953-54	184	655	0.1	6.89	4990	2	13	2250			
1954-55	184	16	0.1	1.05	758	1	18	45			
1955-56	191	1260	0.1	6.45	4680	1	26	3600			
1956-57	191	12	+	0.61	444	2	23	46			
1957-58		1630	0.03	43.7	31660	4	3	4260			
1958-59		114	0.1	2.09	1510	1	6	3180			

MINT CANYON CREEK at Fitch Avenue
(Drainage Area 26.92 square miles) — F32B-R

YEAR	PAGE NO	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW CFS	MO.	DAY	FLOW CFS
1956-57	RECORD INCOMPLETE			(RECORDER INSTALLED 10/26/56)							
1957-58		66	0	0.60	435	12	15	708			
1958-59		14	0	0.01	44	1	6	317			

MISSION CREEK below Legg Lake
(Drainage Area 3.45 square miles) — F330-R

YEAR	PAGE NO	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW CFS	MO.	DAY	FLOW CFS
1956-57	196	1.8	0.1	0.96	696						
1957-58		3.3	+	1.17	848						
1958-59		5.0	0.3	2.33	1680						

MISSION CREEK at San Gabriel Boulevard
(Drainage Area 4.15 square miles) — F63-R

YEAR	PAGE NO	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW CFS	MO.	DAY	FLOW CFS
1929-30	117	20	14	17.0	12290	2	3	20			
1930-31	187	37	12	16.3	11820	2	4	49			
1931-32	90	37	13	16.7	12120	2	8	44			
1932-33	158	32	11	16.2	11720	1	29	51			
1933-34	158	84	7.6	12.5	9030	1	1	166			
1934-35	171	18	9.0	12.6	9140	4	8	32			
1935-36	171	26	9.5	13.5	9810	2	12	38			
1936-37	182	51	10	15.0	10840	2	14	84			
1937-38	182		15	19.6*	*14220			N.D.	3	1	91
1938-39	120	77	19	22.5	16320	9	25	118			
1939-40	121	52	15	22.3	16210	1	8	74			
1940-41	124	86	17	25.1	18120	3	4	104			
1941-42	92	43	20	25.9	18740	12	10	68			
1942-43	120	101	19	24.0	17410	1	22	252			
1943-44	109	176	20	26.0	18850	2	22	336			
1944-45	91	53	18	24.9	18010	11	12	76			
1945-46	164	52	17	21.6	15630	12	23	67			
1946-47	164	45	15	19.7	14230	12	25	80			
1947-48	146	33	13	17.4	12670	12	5	51			
1948-49	146	24	10	14.7	10640	1	20	27			
1949-50	155	19	7.5	12.1	8780	1	8	26			
1950-51	155	13	5.3	9.26	6700	1	29	13			
1951-52	196	35	4.1	8.39	6090	1	18	71			
1952-53	196	13	4.6	8.52	6170	1	24	14			
1953-54	188	8.5	2.0	4.94	3580	NOT DETERMINED					
1954-55	188	8.7	0.9	4.28	3100	1	18	12			
1955-56	198	10.0	0.8	3.18	2310	1	27	10 E			
1956-57	198	8.2	+	2.54	1840	11	15	8.9			
1957-58		8.0	0.1	3.67	2660	2	19	16			
1958-59		12.0	1.5	5.42	3920	1	6	20			

YEARLY DISCHARGE SUMMARY

MONROVIA CREEK above Sawpit Creek
(Drainage Area 1.9 square miles) — F22-R

YEAR	PAGE NO	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW CFS	MO.	DAY	FLOW CFS
1927-28	44	0.8	0.05	0.11	* 70	2	4	N.D.			
1928-29	105	2.8	0.02	0.08	57	3	10	7.1			
1929-30	94	2.6	0	0.08	55	1	15	5.9			
1930-31	149	3.0	0	0.06	43	4	26	13			
1931-32	73	14.5	0.01	0.25	184	2	9	24			
1932-33	129	17	0	0.12	86	1	19	58			
1933-34	129	40	0	0.26	187	1	1	108			
1934-35	142	18	+	0.24	173	4	8	109			
1935-36	142	11	+	0.29	208	2	2	78			
1936-37	157	18	0	0.63	456	12	27	81			
1937-38	157	150 E	+	1.98	1430	3	2	N.D.	3	1	97
1938-39	103	8.5	+	0.21	155	9	25	23			
1939-40	105	8.5	+	0.19	138	1	8	68			
1940-41	105	21	+	0.94	680	3	4	68			
1941-42	78	1.8	+	0.11	81	12	29	2.6			
1942-43	104	95 E	+	1.75	1270			N.D.			
1943-44	92	35	+	0.32	236	2	22	97			
1944-45	93	11	0.03	0.19	139	11	11	52			
1945-46	167	13	0.01	0.16	120	12	23	55			
1946-47	167	9.9	0.02	0.13	94	11	20	40			
1947-48	150	0.2	0.02	.036	26	3	24	1.4			
1948-49	150	0.2	0.01	.037	27	1	20	0.64			
1949-50	158	2.2	0.01	.072	0.52	11	10	16			
1950-51	158	0.6	0.01	0.04	31	1	11	4.6			
1951-52	199	17	0.01	0.50	359	1	16	82			
1952-53	199	4.7	0.01	0.11	78	12	1	80			
1953-54	190	STATION DESTROYED BY MUD FLOW				1	25	486			
1954-55	190	NOT DETERMINED									
1955-56	203	21	+	0.12	90.0	1	26	84 E			
1956-57	203	2.5	+	0.08	61	2	23	12.5			
1957-58		16.5	+	0.67	487	4	1	38			
1958-59		7.5	0.02	0.17	124	2	16	23			

MONROVIA STORM DRAIN near Peck Road
(Drainage Area 4.5 square miles)
(Drainage Area 4.7 square miles beginning 1955-56) — F19S-R

YEAR	PAGE NO	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW CFS	MO.	DAY	FLOW CFS
1932-33	132		0		**			N.D.			
1933-34	132	108	0	0.60	433	1	1	554			
1934-35	145	56	0	0.54	392	1	5	429			
1935-36	145	48	0	0.42	307	2	2	369			
1936-37	161	44	0	0.75	539	10	18	383			
1937-38	161	306	0	1.56	1130	3	2	1200 E	3	1	436
1938-39	105	55	0	0.80	579	1	5	667	9	25	200
1939-40	107	52	0	0.68	494	1	7	422			
1940-41	107	128	0	2.21	1600	3	4	770			
1941-42	80	31	0	0.31	228	12	10	412			
1942-43	106	147	0	1.18	855	2	22	717			
1943-44	94	88	0	0.70	508	2	22	828			
1944-45	94	38	0	0.34	249	2	2	414			
1945-46	171	55	0	0.45	324	12	22	374			
1946-47	171	32	0	0.44	322	12	26	388			
1947-48	152	16.8	0	0.23	169	3	24	398			
1948-49	152	9.3	0	.208	150	3	7	154			
1949-50	161	27	0	0.38	272	2	6	253			
1950-51	161	15.1	0	0.25	184	1	11	323			
1951-52	202	196	0	1.94	1410	1	16	884			
1952-53	202	51	0	0.50	359	12	1	917			
1953-54	192	56	0	.610	441	2	13	340			
1954-55	STATION REMOVED FOR CHANNEL CONSTRUCTION										
1955-56	205	158	0	0.76	552	1	26	523			
1956-57	205	47	+	0.65	474	2	23	588			
1957-58		74	+	1.87	1360	2	19	473			
1958-59		56	+	0.58	417	1	6	670			

MONTEBELLO STORM DRAIN above Rio Hondo
(Drainage Area 9.6 square miles) — F18I-R

YEAR	PAGE NO	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW CFS	MO.	DAY	FLOW CFS
1931-32	75		0		*1120	1	31	531			
1932-33	133	125	0	0.82	592	1	19	713			
1933-34	133	391	0	2.64	1910	1	1	1360			
1934-35	148	114	0	2.28	1650	1	5	1140			
1935-36	148	55	0	1.22	889	2	14	374			
1936-37	163		0		**			N.D.			
1937-38	163				**	3	2	1400 E			
1938-39	107	147	0	1.3	981	9	25	688			
1939-40	109	77	0.1	1.2	885	2	1	729			
1940-41	108	204	0.1	5.64	4090	3	3	936			
1941-42	81	102	0.1	1.33	962	12	10	521			
1942-43	107	300 E	0.1 E	3.60	2580			N.D.			
1943-44	95	323 E	0.1	3.30	2390	2	22	1040			
1944-45	96	64	0.1 E	0.85	768	11	11	506			
1945-46	173	92	0	1.19	865	12	22	384			
1946-47	173	144	0.1	1.86	1350	11	13	1240			
1947-48	155	86	0.1	1.26	913	12	5	1230			
1948-49	155	41	0.1	1.19	861	12	17	347			
1949-50	163	95	0.1	1.71	1240	1	8	790			
1950-51	163	50	0.1	1.23	888	1	10	333			
1951-52	204	302	0.1	4.60	3330	3	7	1010			
1952-53	204	97	0.1	1.97	1430	11	15	770			
1953-54	194	232	0.1	3.02	2190	2	13	1010			
1954-55	194	INCOMPLETE			1210	1	18	759			
1955-56	208	463	+	2.90	2110	1	26	856			
1956-57	208	65	+	1.55	1120	2	28	570			
1957-58		199	+	4.49	3250	2	19	865			
1958-59		109	0.1	1.70	1230	1	6	869			

YEARLY DISCHARGE SUMMARY

YEARLY DISCHARGE SUMMARY

PACOIMA CREEK - Flume below Pacoima Dam (Drainage Area 28.2 square miles) F118B-R

YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW CFS	MO.	DAY	FLOW CFS
1928-29	268				* 876			N.D.			
1929-30					865	9	29	9.6			
1930-31					886	2	14-18	4.0			
1931-32	81	75	0	10.6	8400	2	16-17	75			
1932-33	139	10	0	2.47	1790	4	13	81			
1933-34	139	40	0	3.50	2540	1	26	54			
1934-35	151	97	0	7.10	5140	8	21	174			
1935-36	151	57	0	4.17	3030	5	13	153			
1936-37	164	216	0	20.1	14540	2	18	233			
1937-38	164	339	+	31.4	22740	3	2	685	3	1	166
1938-39	109	49	+	4.25	3080	1	20	51	9	25	1.7
1939-40	110	136	+	4.38	3180	2	4	169			
1940-41	110	431	0	36.5	26430	3	5	460			
1941-42	82 E	25	0	2.74	1980	7	15	97			
1942-43	109	576	0	28.2	20400	1	23	598			
1943-44	97	305	0	20.9	15150	3	2-3	326			
1944-45	97	174	0	6.78	4910	2	2	397			
1945-46	176	137	0	4.01	2900	2	5	241			
1946-47	176	230	0	8.32	6020	1	7	287			
1947-48	157	6.4	0	0.46	334	6	22	10			
1948-49	157	7.9	0	1.02	740	6	24	10			
1949-50	166	98	0	1.41	1020	4	11	314			
1950-51	166	5.3	0	0.09	66	6	12	17			
1951-52	207	416	0	19.8	14360	1	18	634			
1952-53	207	157	+	4.84	3500	11	17	163			
1953-54	197	229	0	4.06	2940	4	5	292			
1954-55	197	14.7	0	1.02	737	4	21	42			
1955-56	218	5.2	0	1.72	1250	5	17	66			
1956-57	218	28	0	1.06	774	5	7	63			
1957-58		333	0	21.9	15880	2	5	420			
1958-59		5.7	0	0.98	708			N.D.			

NOTE: STATION AT VARIOUS LOCATIONS - SEE STATION DESCRIPTION

PACOIMA DIVERSION at Branford Street (Drainage Area 48.8 square miles) F306-R

1953-54	199	116	0	1.35	975	2	13	508			
1954-55	199	53	0	1.20	873	5	7	450			
1955-56	212	194	0	1.54	1120	1	26	622			
1956-57	212	57	0	1.16	841	1	13	580			
1957-58		326	0	8.83	6390	2	4	1380	4	3	1320
1958-59		163	0	0.95	693	1	6	2800			

PACOIMA WASH at Parthenia Street (Drainage Area 50.6 square miles) F16-R

1928-29	257		0	NEGLIGIBLE				N.D.			
1929-30	107	11	0	0.08	57	1	11	70			
1930-31	159	23	0	0.15	105	2	4	270			
1931-32	78	51	0	0.67	485	2	8	477			
1932-33	141	10	0	0.04	28	1	16	60			
1933-34	141	48	0	0.22	157	1	1	305			
1934-35	154	10	0	0.14	106	1	5	70			
1935-36	154	26	0	0.37	271	2	23	98			
1936-37	166	44	0	0.49	356	2	6	159			
1937-38	166		0		*	3	3	2400 E	3	1	319
1938-39	110	53	0	0.52	377	12	15	258	9	25	34
1939-40	111	50	0	0.33	250	1	8	584			
1940-41	112	309	0	10.6	7640	3	3	843			
1941-42	83	9.0	0	0.05	34	12	10	57			
1942-43	110	431	0	9.24	6680	1	22	843			
1943-44	99	224	0	5.62	4080	3	1	355			
1944-45	99	104	0	0.61	294	2	2	649			
1945-46	178	22	0	0.34	245	12	21	171			
1946-47	178	27	0	0.67	489	11	23	157			
1947-48	159	19	0	0.14	102	3	24	178			
1948-49	159	6.6	0	0.07	53	12	26	60			
1949-50	168	17	0	0.15	108	2	6	100			
1950-51	168	9.8	0	0.17	125	1	11	102			
1951-52	209	464	0	7.64	5550	1	17	2640			
		STATION ABANDONED 9/3/52 (SEE STATION F15-R)									

PACOIMA WASH at Van Nuys Boulevard (Drainage Area 5.66 square miles) F15-R

1952-53	210	80	0	0.55	395	11	15	785			
1953-54	202	67	0	.436	316	2	13	311			
1954-55	202	43	0	0.34	271	1	10	233			
1955-56	215	169	0	0.80	583	1	26	295			
1956-57	215	55	0	0.67	482	1	13	287			
1957-58		88	0	2.21	1600	2	4	469			
1958-59		105	0	0.53	381	1	6	576			

PLACERITA CREEK at Ridge Route Highway (Drainage Area 40.9 square miles) F135-R

1947-48	162	19	0	0.12	84	3	24	82			
1948-49	162	8.6	0	0.13	94	12	26	37			
1949-50	171	12	0	0.14	101	1	8	71			
1950-51	171	0.2	0	+	0.6	4	29	6.3			
1951-52	212	1410	0	16.7	12100	1	15	6800			
1952-53	212	71	0	0.54	390	12	1	1050			
1953-54	205	129	0	1.39	1000	1	19	1100			
1954-55	205	58	0	0.28	200	1	18	460			
1955-56	217	278	0	1.04	753	1	26	523			
1956-57	217	228	0	1.04	756	2	28	2030			
1957-58		746	0	10.7	7760	4	3	3640			
1958-59		137	0	0.84	605	1	6	2410			
		INSTALLED 9/16/47									

YEARLY DISCHARGE SUMMARY

PUDDINGSTONE DIVERSION CHANNEL San Dimas Water Company Outlet at Juanita Street F307-R

YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW CFS	MO.	DAY	FLOW CFS
					RECORDER INSTALLED 6/16/53						
1952-53					330.6						
1953-54	208				431.8						
1954-55	208				1368.0						
1955-56	220				74.1						
1956-57	220	3.0	0	0.04	27	6	13	3.1			
1957-58		0	0	0	0						
1958-59		NOT OPERATED THIS YEAR									

PUDDINGSTONE CREEK below Puddingstone Dam (Drainage Area 32.3 square miles) F40-R

1927-28	55		0		* 32	2	4	* 0.6			
1928-29	55	0.4	0	0.04	30	12	13	2.0			
1929-30	112	0.6	0	0.05	30	5	3	1.4			
1930-31	165	0.3	0.01	0.03	23	4	26	0.9			
1931-32	82	3.0	0.01	0.11	81	2	9	15			
1932-33	144	1.3	0	0.05	38	1	29	5.0			
1933-34	144				*			N.D.			
1934-35	156	1.2	0.01	0.06	44	10	17	4.3			
1935-36	156	2.0	0.01	0.05	36	2	12	13			
1936-37	168	6.1	+	0.27	198	2	6	18			
1937-38	168	99	0.1	6.66	4810	3	7	104			
1938-39	112	23	0.1	1.85	1330	10	30	25	9	25	3.0
1939-40	113	1.0	+	0.20	145	1	7	7.0			
1940-41	114	15.7	+	2.47	1790	2	19	25			
1941-42	84	44	0.1	2.27	1640	12	3	91			
1942-43	112	141	0.05	4.23	3060	3	4	287			
1943-44	100	51	+	1.54	1120	3	2	51			
1944-45	100	6.2	0.02	0.55	394	2	2	9.8			
1945-46	181	30	0.1	3.92	2840	8	31	37			
1946-47	181	3.6	0.02	0.18	131	11	12	6.0			
1947-48	165	0.7	0.01	0.07	49	7	13	7.3			
1948-49	165	0.9	+	.063	45	7	22	2.5			
1949-50	172	1.5	+	.039	28	12	18	4.4			
1950-51	172	0.25	0	+	11	12	14	3.1			
1951-52	215	2.9	+	0.15	108	1	16	12			
1952-53	215	3.3	0.01	0.19	135	4	20	3.7			
1953-54	209	362	0.01	42.3	30650	9	23	392			
1954-55	209	366	0.03	32.2	23300	12	12	404			
1955-56	222	396	0.05	70	50800	9	30	389			
1956-57	222	381	0.1	74.3	53780	4	26	414			
1957-58		5.4	+	0.44	314	4	7	16			
1958-59		2.7	0.04	0.08	60	1	6	11			

RIO HONDO above Mission Bridge (Drainage Area 115 square miles excluding area above Santa Fe Dam.) F64-R

1928-29	83	586	6.6	22.0	15980	11	14	2400			
1929-30	123	252	8.5	18.6	13430	3	15	1260			
1930-31	176	662	48	22.7	16410	2	3	4040			
1931-32	85	5090	3.3	65.6	47560	2	9	6320			
1932-33	150	1670	7.5	27.1	19650	1	19	4410			
1933-34	150	4690	3.3	40.0	28970	1	1	11800			
1934-35	162	885	8.5	40.4	29230	4	8	3560			
1935-36	162	446	10	28.6	20700	2	12	2890			
1936-37	174	989	9.5	70.3	50900	3	15	4600			
1937-38	174	12600 E	11	289	209300	3	2	28000 E	3	1	5670
1938-39	115	1280	14	42.4	30650	12	18	5220	9	25	2550
1939-40	116	505	13	38.1	27660	1	7	2380			
1940-41	118	3490	16	180	130600	3	4	6570			
1941-42	87	687	17	39.8	28810	12	10	4100			
1942-43	115	4650	20	82.2	59470	1	23	13200			
1943-44	105	2110	25	70.8	51390	2	22	4390			
1944-45	104	657	18	44.6	32300	11	11	4240			
1945-46	188	1210	23	59.6	43160	12	22	3600			
1946-47	188	866	22	66.9	48420	11	13	4950			
1947-48	172	548	6.6	34.9	25370	3	24	4240			
1948-49	172	269	4.8	15.3	11100	12	17	984	1	19-20	910
1949-50	179	808	4.6	17.0	12280	2	6	2340			
1950-51	179	355	2.7	10.9	7880	1	11	2900			
1951-52	222	840	2.2	47.6	34570	1	17	6930			
1952-53	222	699	3.0	22.2	16120	11	15	5330			
1953-54	215	1390	3.1	32.3	23390	2	13	6360			
1954-55	215	748	1.8	15.7	11350	1	18	6000			
1955-56	230	3520	2.7	22.3	16180	1	26	10940			
1956-57	230	1080	2.8	23.2	16840	2	23	8250			
1957-58		1970	2.2	161	116500	2	19	12610			
1958-59		1180	4.3	55.0	39800	1	6	11000			

NOTE: STATION AT VARIOUS LOCATIONS - SEE STATION DESCRIPTION

YEARLY DISCHARGE SUMMARY

YEARLY DISCHARGE SUMMARY

RIO HONDO BY-PASS CHANNEL above Whittier Narrows Dam Structure — F313-R

YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW CFS	MO.	DAY	FLOW CFS
1953-54	220	ESTABLISHED FOR ZONE 1 FLOWS			7230						
1954-55	220				9730						
1955-56	234				14990						
1956-57	234	168	0	28.1	20400	4	21	183.9			
1957-58		175	0	21.1	15300						
1958-59		0	0	0	0						

RIO HONDO at Lower Azusa Road (Drainage Area 40.8 square miles excluding area above Santa Fe Dam) — F192-R

YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW CFS	MO.	DAY	FLOW CFS
1931-32	84		0		*12710			N.D.			
1932-33	147	937	0	5.25	3800	1	20	5160			
1933-34	147	2700	0	11.2	8110	1	1	5860			
1934-35	158	324	0	11.3	8160	4	8	604			
1935-36	158	114	0	4.68	3400	2	11	391			
1936-37	170	904	0	38.6	27960	2	20	1030 E			
1937-38	170	10500	0	241	174300	3	2	31000 E	3	1	4000
1938-39	113	191	0	2.17	1570	1	5	680	9	25	130
1939-40	114	224	0	5.01	3640	1	7	288			
1940-41	116	2220	0	113	81450	3	4	4000			
1941-42	85	214	0.1	2.73	1980	12	10	254			
1942-43	113	1300 E	0	14.7	10680	1	23	3500			
1943-44	103	502	0.3	15.9	11600	2	22	1080			
1944-45	102	112	0.1	1.90	1380	11	11	1060			
1945-46	185	267	0	18.0	13030	12	23	483			
1946-47	185	279	0	11.8	8560	11	27-28-29	283			
1947-48	169	570	0	7.23	5250	6	7	584	3	24	141
1948-49	169	4.9	0	0.10	71	2	27	50	1	19-20	16
1949-50	175	24	0	0.28	203	12	18	124			
1950-51	175	24	0	0.32	234	1	11	636			
1951-52	219	753	0	8.74	6340	1	16	2180			
1952-53	219	785	0	9.04	6550	11	15	944			
1953-54	212	654	0	14.9	10800	2	13	1740			
1954-55	212	184	0	2.02	1460	1	18	2340			
1955-56	225	1020	0	4.05	2940	1	26	3030			
1956-57	225	390	0	5.92	4280	2	23	2270			
1957-58		NOT COMPLETED									
1958-59		RECORD NOT COMPLETE (RECORDER INSTALLED 12/18/58)									

RIO HONDO at Stewart and Gray Road (Drainage Area 140 square miles excluding area above Santa Fe Dam) — F45B-R

YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW CFS	MO.	DAY	FLOW CFS
1927-28	74		0		* 269	3	6	* 4.0			
1928-29	179	248	0	3.40	2460	4	4	912			
1929-30	132	285	0	2.77	2000	3	15	743			
1930-31	170	335	0	2.63	1900	2	4	841			
1931-32	88	3440	0	27.4	19920	2	9	4610			
1932-33	154	971	0	6.15	4450	1	19	2730			
1933-34	154	5810	0	23.5	17030	1	1	16000			
1934-35	167	667	0	8.28	6000	4	8	3450			
1935-36	167	472	0	5.82	4220	2	12	3160			
1936-37	179	1460	0	37.1	26870	2	14	4800			
1937-38	179	12700	0	238	172100	3	3	24400 E	3	1	7600
1938-39	118	910	0	13.2	9540	12	18	5260	9	25	3230
1939-40	119	442	0	6.67	4850	1	8	1930			
1940-41	122	3690	0	129	93260	3	4	6420			
1941-42	90	564	0	9.29	6730	12	10	4240			
1942-43	118	4660	0	57.9	41910	1	23	11800			
1943-44	107	2570 E	0	36.9	26820	2	22	6670			
1944-45	107	492	0	11.7	8460	11	11	4500			
1945-46	192	1130	0	15.6	11280	12	22	4270			
1946-47	192	923	0	22.1	16030	11	13	5950			
1947-48	178	425	0	4.83	3510	3	24	2880			
1948-49	178	268	0	2.06	1490	1	20	713			
1949-50	183	402	0	3.92	2840	1	8	1790			
1950-51	183	135	0	1.08	781	1	29	1080			
1951-52	226	2430	0	35.9	26040	1	16	9040			
1952-53	226	571	0	4.76	3450	11	15	4600			
1953-54	222	1780	0	14.9	10760	2	13	8860			
1954-55	222	753	0	11.1	8000	1	18	4160			
1955-56	237	4910	0	20	14540	1	26	11540			
1956-57	237	967	0	6.4	4640	2	23	6560			
1957-58		2230	0	41.8	30260	2	19	10750			
1958-59		915	0	5.39	3900	1	6	11020			

YEARLY DISCHARGE SUMMARY

RUBIO WASH at Glendon Way (Drainage Area 13.4 square miles) — F826-R

YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW CFS	MO.	DAY	FLOW CFS
1929-30	143	81	0	1.46	1060	3	14	661			
1930-31	194	107	0	1.54	1110	2	3	1690			
1931-32	92	124	0	2.05	1490	11	27	798			
1932-33	161	234	0	1.53	1110	1	16	1510			
1933-34	161	684	0	3.57	2580	12	31	2070			
1934-35	173	134	0	2.44	1770	10	17	1680			
1935-36	173	81	0	1.75	1280	2	22	1370			
1936-37	185	186	0	3.87	2800	12	27	1180			
1937-38	185	802	0	5.77	4180	3	2	2400 E	2	28	1480
1938-39	122	250	0	3.29	2370	1	5	1720	9	25	580
1939-40	123	122	0	2.37	1720	1	7	1000			
1940-41	126	200	0	8.14	5890	3	3	1940			
1941-42	93	130	0	2.11	1530	12	10	1200			
1942-43	124	697	0	6.23	4520	3	4	2780			
1943-44	113	393	0	4.40	3190	2	22	1930			
1944-45	112	152	0	2.12	1540	11	11	1780			
1945-46	200	244	0	2.54	1840	12	22	1630			
1946-47	200	233	0	3.17	2300	11	13	2650			
1947-48	185	91	0	1.48	1080	3	24	2090			
1948-49	185	59	0	1.49	1080	10	30	530			
1949-50	191	161	0	2.33	1690	2	6	1060			
1950-51	191	80	0	1.40	1010	1	11	2290			
1951-52	234	335	0	7.30	5300	1	16	3020			
1952-53	234	133	0	2.02	1460	11	15	2200			
1953-54	230	288	+	3.43	2490	1	19	2310			
1954-55	230	126	+	2.58	1870	1	18	1290			
1955-56	242	639	0	3.98	2880	1	26	1970			
1956-57	242	199	+	3.17	2290	2	23	2980			
1957-58		286	0.1	7.74	5610	2	19	2740			
1958-59		218	0.2	2.80	2030	1	6	2780			

NOTE: STATION AT VARIOUS LOCATIONS - SEE STATION DESCRIPTION

SAN ANTONIO CREEK above Stoddard Canyon (Drainage Area 22.2 square miles) — F323-R

YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW CFS	MO.	DAY	FLOW CFS
1955-56		RECORD INCOMPLETE		(RECORDER INSTALLED 2/1/56)							
1956-57		37	0	0.82	594	1	13	193			
1957-58		343	0	36.2	25940	4	3	700 E			
1958-59		29	0	0.86	621	2	16	84			

SAN ANTONIO WATER CO. DIVERSION near Ontario #1 Power House — F332-R

YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW CFS	MO.	DAY	FLOW CFS
1957-58		RECORD INCOMPLETE		(RECORDER INSTALLED 2/8/57)							
1958-59		7.1	0	0.42	307	NOT DETERMINED					

SAN ANTONIO CREEK at Mouth of Canyon (Drainage Area 26.5 square miles) — F151-R

YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW CFS	MO.	DAY	FLOW CFS
1930-31	199		0		*201	4	26	98			
1931-32	94	263	0	10.7	7800	2	8-9	405			
1932-33	164	33	0	0.15	111	1	19	167			
1933-34	164	123	0	0.87	630	1	1	200			
1934-35	175	87	0	9.43	6840	4	8	212			
1935-36	175	50	0	9.27	1640	2	11	208			
1936-37	187	211	0	31.2	22570	2	14	238			
1937-38	187	6620	0	58.4	42300	3	2	23400 E	3	1	1220
1938-39	124	148	0	1.98	1430	9	25	282			
1939-40	124	78 E	0	3.89	2820	1	8	286			
1940-41	127	250	0	39.5	28570	3	12	368			
1941-42	95	10	0	0.11	83	12	10	31			
1942-43	128	1280	0	41.4	29990	1	23	3000			
1943-44	116	231	0	14.1	10280	2	22	490			
1944-45	115	145	0	6.85	4960	11	11	430			
1945-46	206	259	0	4.52	3270	12	23	550			
1946-47	206	235	0	8.01	5800	12	26	362			
1947-48	191	2.2	0	.008	6.0	4	29	17			
1948-49	191	+	0	0+	+	5	19	+			
1949-50	197	18	0	.076	55	12	19	49			
1950-51	197	0.3	0	+	2.8	1	16	3.0			
1951-52	240	124	0	13.6	9870	1	16	299			
1952-53	240	9.8	0	.033	24	12	2	36			
1953-54	236	482	0	5.71	4140	1	25	2650 E			
1954-55	236			INCOMPLETE RECORD							

SAN DIMAS CREEK below San Dimas Dam (Drainage Area 16.2 square miles) — F303-R

YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW CFS	MO.	DAY	FLOW CFS
1951-52	243	171	+	642	4660	3	16	262			
1952-53	243	6.1	0.1	1.54	1110	3	17	6.1			
1953-54	238	61	0	2.13	1540	1	25	156			
1954-55	238	6.1	+	0.78	563	11	16	175			
1955-56	252	40	0	1.12	816	1	26	54			
1956-57	252	5.0	+	0.60	436	VARIOUS TIMES		5.0			
1957-58		220	+	9.0	6530	4	3	270			
1958-59		19	+	1.74	1260	2	18	20			

YEARLY DISCHARGE SUMMARY

YEARLY DISCHARGE SUMMARY

SAN DIMAS WASH below Puddingstone Diversion Dam (Drainage Area 18.8 square miles) F216-R

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS					
YEAR	PAGE NO	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	MO.	DAY	FLOW CFS	MO.	DAY	FLOW CFS
1945-46	212	22	0	0.34	247	4	4	42			
1946-47	212	9.8	0	0.67	483	12	27	9.8			
1947-48	195	0	0	0	0						
1948-49	195	0	0	0	0						
1949-50	202	0	0	0	0						
1950-51	202			0	0						
1951-52	248	23.1	0	1.07	780	3	17	23.1			
1952-53	248	0	0	0	0						
1953-54	243	12.2	0	.337	244	2	14-15	12			
1954-55	243	0	0	0	0						
1955-56	256	8.4	0	0.13	92	1	27	16.0			
1956-57	256	0	0	0	0						
1957-58		12	0	1.54	1110	3	28	19			
1958-59		5.4	0	0.07	49	2	17	7.3			

SAN GABRIEL RIVER-WEST FORK above Cogswell Dam (Drainage Area 14.4 square miles) F228-R

1933-34	174		0		*	1	1	1850			
1934-35	237	403	0	15.1	10900	4	8	755			
1935-36	237	121	0	5.78	4200	2	12	570			
1936-37	191	470	+	26.3	19050	12	27	1220			
1937-38			STATION ABANDONED								

SAN GABRIEL - DEVIL'S CANYON CREEK above Cogswell Dam (Drainage Area 15.4 square miles) F227-R

1933-34	176		0		*	1	1	1560			
1934-35	188	177	0	8.18	5930	4	8	288			
1935-36	188	75	0	2.49	1810	2	12	204			
1936-37	194	232	0	12.4	8980	2	6	367			
1937-38	194		STATION ABANDONED					N.D.			

SAN GABRIEL RIVER - WEST FORK below Cogswell Dam (Drainage Area 41.0 square miles) F209-R

1933-34	178				*	1	1	4400			
1934-35	240	662	+	27.2	19700	12	12	1260			
1935-36	240	43	0.2	9.76	7090	2	17	45			
1936-37	196	577	+	46.4	33580	2	14	752			
1937-38	196	6620	0.7	81.4	58920	3	2	25000 E			
1938-39	126	683	0.4	15.7	11360	9	25	1190			
1939-40	126	141	0.6	12.9	9370	1	15	1240			
1940-41	129	1130 E	0.5	82.6	59810	2	22	1160			
1941-42	96	76	1.0	10.1	7320	11	1	90			
1942-43	132	4780	0.6	75.9	54930	1	23	7300			
1943-44	120	805	2.2	51.9	37700	2	22	1210			
1944-45	119	144	0.8	14.4	10410	11	20	157			
1945-46	214	602	0.8	22.8	16480	3	30	814			
1946-47	214	1110	0.1	28.0	20240	1	6	1240			
1947-48	196	28	0.1	4.19	3050	5	17	79			
1948-49	196	12.3	0.1	3.83	2780	7	21	67			
1949-50	203	12.7	0.1	4.90	3550	3	2	84			
1950-51	203	10.6	0.2	0.80	575	10	24	52			
1951-52	249	1240	0.1	35.6	25900	1	18	2000			
1952-53	249	289	0.1	17.2	12480	1	9	328			
1953-54	244	144	0.1	10.4	7540	1	26	146			
1954-55	244	36	0.1	4.41	3190	10	4	149			
1955-56	257	15.6	0.1	4.99	3620	4	26	16			
1956-57	257	139	0.1	5.23	3790	11	9	260			
1957-58		1170	0.1	47.7	34530	4	4	1430			
1958-59		120	0.2	8.62	6250	2	16	124			

SAN GABRIEL - BEAR CREEK above West Fork (Drainage Area 27.9 square miles) F99B-R

1929-30	166	76	0.1	10.6	7660	5	3	108			
1930-31	245	279	0.1	6.22	4500	4	26	527			
1931-32	102	1090	0.2	22.8	16620	2	9	1510			
1932-33	186	182	0.02	9.12	6600	1	19	566			
1933-34	186	732	0	9.24	5470	1	1	1600			
1934-35	185	62	0.2	16.4	*1860			N.D.			
1935-36	185	156	0.2	8.82	6400	2	12	410			
1936-37	202	614	0.2	37.9	27440	2	14	736			
1937-38	202		STATION ABANDONED			3	2	12500 E			

SAN GABRIEL RIVER - WEST FORK above North Fork (Drainage Area 49.0 square miles) F97-R

1929-30	197	129	0.2	10.8	7790	3	14	206			
1930-31	231	366	0.05	9.31	6740	4	26	751			
1931-32	100	2090	0.1	36.4	26420	2	8	2700			
1932-33	182	996	0.1	14.1	10190	1	19	2890			
1933-34	182	1600	0.1	16.6	12050	1	1	4840			
			STATION ABANDONED								

SAN GABRIEL RIVER - NORTH FORK above Narrows (Drainage Area 16.6 square miles) F98-R

1929-30	178	16	1.5	4.10	2970	5	3	18			
1930-31	239	11	1.8	3.45	2500	4	26	16			
1931-32	105	186	1.8	11.9	8600	2	8	223			
1932-33	190	49	1.4	4.97	3600	1	19	126			
1933-34	190	186	0.8	4.50	3260	1	1	276			
1934-35	209	76	1.0	11.2	8140	4	8	111			
1935-36	209	36	1.6	5.94	4310	2	2	85			
1936-37	205	140	1.7	23.1	16750	3	13	198			
1937-38	205		STATION ABANDONED					N.D.	3	1	1020

YEARLY DISCHARGE SUMMARY

SAN GABRIEL RIVER - WEST FORK above Forks (Drainage Area 102 square miles) F3-R

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS					
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	MO.	DAY	FLOW CFS	MO.	DAY	FLOW CFS
1927-28	18	704	1.6	17.9	15180	2	4	1620			
1928-29	15	422	0	20.7	14960	4	4	775			
1929-30	192	225	1.9	25.5	18470	3	15	301			
1930-31	264	676	1.2	20.2	14630	4	26	1530			
1931-32	107	598	1.4	76.3	55360	2	9	3790			
1932-33	193	1360	2.5	33.1	23990	1	19	3460			
1933-34	193	3340	1.5	34.5	24990	1	1	5320			
1934-35	225	1180	1.9	77.5	56110	4	8	1840			
1935-36	225	312	2.5	31.8	23070	2	12	752			
1936-37	208	1640	2.7	133	96590	2	14	2000			
1937-38	208		13	237	171900	3	2	34000 E	3	1	3460
1938-39	128	1140	7.5	46.5	33660	9	25	2530			
1939-40	129	369	6.5	38.2	27720	1	8	1220			
1940-41	132	2870 E	7.0	237	171400	2	20	3000 E			
1941-42	99	183	6.5	32.9	23810	12	29	288			
1942-43	134	11300 E	6.5	211	153000	1	23	20000 E			
1943-44	122	4000	19	144	104500	2	22	5760			
1944-45	121	719	14	51.5	37260	11	11	3950			
1945-46	218	1830	8.0	65.3	47330	3	30	2620			
1946-47	218	2270	7.6	83.0	60120	12	26	4150			
1947-48	200	135	3.0	17.1	12450	4	29	329			
1948-49	200	55	2.3	14.5	10510	1	20	78			
1949-50	206	122	2.2	15.6	11260	12	18	280			
1950-51	206	21	0.7	4.78	3460	4	29	28			
1951-52	252	2690	1.1	115	83500	1	16	7520			
1952-53	252	380	2.0	32.1	23210	12	1	475			
1953-54	247	514	2.2	32.0	23190	1	25	953			
1954-55	247	83	3.8	17.8	12850	4	30	165			
1955-56	259	504	2.8	17.0	12350	1	26	1230			
1956-57	259	597	3.5	18.5	13350	1	13	1670			
1957-58		1780	5.4	145	104700	4	3	3570			
1958-59		664	6.5	29.2	21150	1	6	2380			

NOTE: STATION AT VARIOUS LOCATIONS - SEE STATION DESCRIPTION

SAN GABRIEL RIVER - EAST FORK above Cattle Canyon (Drainage Area 58.2 square miles) P2-R

1927-28	27	168	5.4	18.5	15680	2	4	267			
1928-29	22	242	4.7	24.4	17670	3	10	448			
1929-30	186	101	7.0	29.8	21540	5	3	122			
1930-31	255	168	8.7	21.0	15200	4	26	267			
1931-32	96	2520	8.5	73.6	53410	2	8	3340			
			STATION ABANDONED								

SAN GABRIEL RIVER - EAST FORK below Cattle Canyon (Drainage Area 78.4 square miles) F96-R

1929-30	172	114	6.1	34.3	24850	5	16	108			
1930-31	222	422	5.8	26.3	19020	4	26	777			
1931-32	97	3650	10	93.5	67910	2	8	4700			
1932-33	166	148	5.8	29.4	21260	1	19	310			
1933-34	166	2640	4.2	32.4	23480	1	1	4200			
			STATION ABANDONED								

SAN GABRIEL RIVER - EAST FORK above Forks (Drainage Area 88.2 square miles) P4B-R

1932-33	170				*18990	1	19	335			
1933-34	170	6210	4.5	47.3	34230	1	1	8500			
1934-35	198	638	4.5	85.4	61840	4	8	1080			
1935-36	198	428	8.0	40.7	29590	2	11	1290			
1936-37	214	1440	9.0	148	107400	2	14	2180			
1937-38	214	10000 E	20.	208	150800	3	2	46000 E	3	1	4660
1938-39	133	303	14	43.6	31590	12	18	716			
1939-40	132	430	14	42.0	30500	1	8	1360			
1940-41	136	1110	12	183	132400	2	20	1870			
1941-42	101	130	12	34.9	25230	8	10	349			
1942-43	137	5800 E	11	160	116100	1	23	25000			
1943-44	125	1290	21	113	81900	2	22	2410			
1944-45	123	693	20	72.9	52750	11	11	2810			
1945-46	224	1520	19	71.8	52000	12	21	2760			
1946-47	224	1160	13	66.6	48300	12	26	1900			
1947-48	204	133	6.9	21.3	15490	4	29	210			
1948-49	204	64	6.3	20.3	14700	4	24	70			
1949-50	210	168	5.4	21.5	15540	2	6	248			
1950-51	210	22	1.7	8.49	6140	4	28	39			
1951-52	257	833	2.4	109	79300	1	16	1110			
1952-53	257	61	5.2	20.2	14640	12	2	116			
1953-54	252	660	5.2	51.6	37320	1	25	1690			
1954-55	252	105	12.0	36.0	26090	11	11	203			
1955-56	264	476	11.0	30.6	22210	1	26	1020			
1956-57	264	479	8.0	32.6	23630	1	13	1060			
1957-58		1530	13	156	112700	4	3	2720			
1958-59		345	8.0	29.5	21360	2	16	947			

NOTE: STATION AT VARIOUS LOCATIONS - SEE STATION DESCRIPTION

SAN GABRIEL RIVER near Roberts Relay Station (Drainage Area 201 square miles) F233-R

1934-35	212	2580	7.5	176	127100	4	8	4850			
1935-36	212	706	12	73.6	53410	2	12	1530			
1936-37	222		*								
			STATION ABANDONED								

YEARLY DISCHARGE SUMMARY

YEARLY DISCHARGE SUMMARY

YEAR	PAGE NO	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW CFS	MO.	DAY	FLOW CFS
SAN GABRIEL RIVER at Edison Intake (Drainage Area 202 square miles)											F26-R
1927-28	4	916	5.2	47.6	34430	2	4	1830			
1928-29	1	600	3.5	49.9	36160	3	10	990			
1929-30	204	587	10	64.8	46830	5	3	799			
1930-31	204	1250	11	49.3	35690	4	26	2900			
1931-32	110	7530	11	183	132600	2	9	9110			
1932-33	199	2420	7.6	67.3	48710	1	19	7550			
1933-34	199	10700	5.5	86.9	62910	1	1	18000			
1934-35	192	2580	7.5	176	127400	4	8	4770			
1935-36	192	663	12	73.2	53180	2	12	1330 E			
1936-37	224	3490	12	289	208900	2	14	4240			
			STATION ABANDONED								
SUBSEQUENT RECORDS OF SAN GABRIEL DAM #1 INFLOW ARE EQUIVALENT TO SAN GABRIEL RIVER AT EDISON INTAKE											
NOTE: STATION AT VARIOUS LOCATIONS - SEE STATION DESCRIPTIONS											

YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW CFS	MO.	DAY	FLOW CFS
SAN GABRIEL-AZUSA CONDUIT at Weir below San Gabriel Dam (Regulated Flow)											F250-R
1934-35	183				*36610						
1935-36	183	109	0	42.1	30540						
1936-37	227	94	0	27.3	19740						
1937-38	227	105	0	15.4	11160						
1938-39	138	103	0	5.91	4280						
1939-40	135	94	0	47.4	34440						
1940-41	141	110	0	23.8	17220						
1941-42	104	92	0	55.2	39940	8	27	112			
1942-43	139	106	0	44.6	32250	5	24	127			
1943-44	128	97	0	59.3	43050	1	4	165			
1944-45	126	142	0	81.5	59050						
1945-46	229	139	0	66.3	47930	2	5	139	2	8	139
1946-47	229	138	0	73.2	52990	1	1	195			
1947-48	208	60	0	36.9	26830	VARIOUS		60			
1948-49	208	70	0	25.0	18120	1	21	74			
1949-50	215	82	20	37.4	27060	1	10	90			
1950-51	215	70	0	11.9	8610	3	16	80			
1951-52	261	96	0	65.3	47400	3	5	155			
1952-53	261	89	0	43.7	31660	1	23	110			
1953-54	257	90	0	38.8	28070	2	19-20-21	90			
1954-55	257	84	30	50.6	36610	1	18	88			
1955-56	268	86	14.7	49.0	35580	2	3	87			
1956-57	268	86	0	36.7	26670	1	18	86			
1957-58		103	0	29.7	21500	12	16	133			
1958-59		90	12.3	49.2	35620	VARIOUS		90			
SAN GABRIEL-AZUSA CONDUIT at Garcia Canyon (Regulated Flow)											F220-R
1932-33	208				*						
1933-34	208	86	0	27.3	19770						
1934-35	178	94	6.2	64.3	46570						
1935-36	178	86	9.1	40.7	29500						
1936-37	228	93	+	29.0	21030						
1937-38	228	94	+	16.4	11910						
1938-39	138	0	0	0	0						
1939-40	136	90	+ E	32.7	23760						
1940-41	142	89	+	23.2	16820						
1941-42	105	91	+	53.0	38360	VARIOUS		91			
1942-43	140	94	0.1	36.6	26510	VARIOUS		94			
1943-44	129	94	+	56.9	41310	7	14-15	94			
1944-45	127	96	+	59.2	42910						
1945-46	231	92	+	55.0	39820	4	29	91			
1946-47	231	92	0.1	64.7	46900	VARIOUS		92			
1947-48	209	60	+	34.4	24960	VARIOUS		60			
1948-49	209	70	0.1	24.0	17380	1	21	70			
1949-50	217	82	19	37.5	27140	1	10	90			
1950-51	217	70	0	11.5	8310	3	15	81			
1951-52	263	91	0	65.2	47300	2	14	91			
1952-53	263	89	+	43.7	31680	11	18	90			
1953-54	259	89	+	38.8	28090	2	25-26	90			
1954-55	259	85	30	50.6	36600	1	18	88			
1955-56	270	86	14.8	49.0	35580	2	3	87			
1956-57	270	86	0	36.8	26670	1	18	86			
1957-58		87	0	27.8	20140	VARIOUS		87			
1958-59		89	12.4	49.4	35730	VARIOUS		89			

YEARLY DISCHARGE SUMMARY

YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW CFS	MO.	DAY	FLOW CFS
SAN GABRIEL-AZUSA -DUARTE TUNNEL DIVERSION near Mouth of San Gabriel Canyon (Regulated Flow)											S100A-R
1918-19		31	0	1.2	866						
1919-20		38	0	4.7	3420						
1920-21		44	0	3.8	2750						
1921-22		34	0	6.5	4710						
1922-23		38	0	2.7	1960						
1923-24		26	0	1.0	718						
1924-25		9.9	0	0.1	40						
1925-26		54	0	4.8	3480						
1926-27		56	0	6.6	4760						
1927-28		0	0	0	0						
1928-29		20	0	0.4	267						
1929-30		54	0	5.0	3640						
1930-31		42	0	1.5	1120						
1931-32		86	0	19.1	13840						
1932-33		69	0	8.7	6330						
1933-34		81	0	9.0	6540						
1934-35		82	0	24.2	17520						
1935-36		85	0	17.7	12830						
1936-37		88	0	42.3	30640						
1937-38		86	0	38.4	27780						
1938-39		80	0	33.4	24150						
1939-40		76	0	35	25380						
1940-41	144	77	0	31.5	22810						
1941-42	107	66	0	6.13	4430						
1942-43	142	69	0	14.8	10720						
1943-44	132	74	0	13.9	10100						
1944-45	131	75	0	37.8	27370						
1945-46	238	65	0	21.0	15230						
1946-47	238	69	0	14.7	10660						
1947-48	215	19.2	0	0.21	151						
1948-49	215	34.6	0	4.04	2920						
1949-50	222	0	0	0	0						
1950-51	222	22.6	0	7.75	5610						
1951-52	268	19.7	0	1.57	1140						
1952-53	268	56.8	0	3.47	2520						
1953-54	263	35.0	0	3.03	2180						
1954-55	263	0	0	0	0						
1955-56	274	0	0	0	0						
1956-57	274	38	0	4.29	3116						
1957-58		49	0	4.56	3300						
1958-59		0	0	0	0						
SAN GABRIEL RIVER at Foothill Boulevard (Drainage Area 230 square miles)											F150-R
1931-32	114		0	105	*76220			N.D.			
1932-33	215	2530	0	15.7	11400	1	19	10000			
1933-34	215	3150	0	20.3	14690	1	1	5550			
1934-35	204	448	0	81.7	59220	4	8	1080			
1935-36	204	169	0	21.1	15300	2	2	572			
1936-37	231	1610	0	162	117400	2	19	2050			
1937-38	231	22200	0	387.2	*280300	3	2	62000 E	3	1	2530
1938-39	139	220	0	15.0	10850	1	5	267	9	25	82
1939-40	137	388	0	13.7	9930	6	25	400			
1940-41	145	4090	0	304	220100	3	4	5280			
1941-42	108	312	0	5.52	3990	4	20	345			
1942-43	143	10400 E	0	318	230200	1	23	11400			
1943-44	133	2750	0	163	118300	2	22	4840			
1944-45	132	844	0	22.9	16620	2	2	1080			
1945-46	240	1190	0	58.1	42060	12	23	1670			
1946-47	240	3000	0	65.6	47520	12	28	3200			
1947-48	216	1010	0	14.3	10370	6	2	1120	DAM RELEASE		
1948-49	216	0	0	0	0						
1949-50	223	20	0	.093	67	12	18	192			
1950-51	223	0	0	0	0						
1951-52	270	3860	0	98.1	71210	1	18	4670			
1952-53	270	1030	0	56.9	41180	10	28	1080			
1953-54	265	848	0	30.3	21920	4	16	2160			
1954-55	265	3.8	0	0.05	38	1	18	12			
1955-56	275	215	0	1.97	1430	1	26	800			
1956-57	275	573	0	7.35	5320	4	17	585			
1957-58		2270	0	229	165600	4	5	2520			
1958-59		380	0	18.8	13590	1	6	3390			
SAN GABRIEL-U.V.D. Outlet below San Bernardino Road (Controlled Flow)											F135-R
1957-58		210.	0	57.2	41427	MANY	DAYS	300			
1958-59		213.1	0	41.9	30320	9	26	214.7			
SAN GABRIEL RIVER at Garvey Avenue (Drainage Area 7.19 square miles)											F101-R
1951-52	274	647	0	29.3	21270			N.D.			
1952-53	274	287	0	12.0	8700	11	7	290	(RELEASE)		
1953-54	268	0	0	0	0						
1954-55	268	0	0	0	0						
1955-56	278	0	0	0	0						
1956-57	278	0	0	0	0						
1957-58		N.D.	N.D.	N.D.	N.D.						

YEARLY DISCHARGE SUMMARY

YEARLY DISCHARGE SUMMARY

SAN GABRIEL RIVER at Valley Boulevard (Drainage Area split) — F261B-R

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS					
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	MO.	DAY	FLOW CFS	MO.	DAY	FLOW CFS
1936-37					*			N.D.			
1937-38					**			N.D.			
1938-39	141	125	0.4	8.00	5790			N.D.			
1939-40	138	125 E	0.2	1.82	1320	1	8	N.D.			
1940-41	147	1300	0.2	73.9	53500			N.D.			
1941-42	109	4.0	0	2.15	1560			N.D.			
1942-43	147	8000	0	221	160300	1	23	9350			
1943-44	137	2720	0.6	83.0	60290	2	22	5950			
1944-45	135	650	0.1	10.5	7570			N.D.			
1945-46	245	990	0	11.9	8640	12	23	1470			
1946-47	245	2400	0	30.3	21940			N.D.			
1947-48	219	0	0	0	0						
1948-49	219	0	0	0	0						
1949-50	225	0	0	0	0						
1950-51	225	0	0	0	0						
		STATION ABANDONED									

SAN GABRIEL BY-PASS CHANNEL above Whittier Narrows Dam Structure — F314-R

1953-54	268				7760						
1954-55	268			6.60	4770						
1955-56	281			23.3	16920						
1956-57	281	163	0	25	18120	10	4	248			
1957-58		252	0	40.6	29400	5	20	203			
1958-59		0	0	0	0						
		ESTABLISHED FOR ZONE I FLOWS									

SAN GABRIEL RIVER at Beverly Boulevard (Drainage Area 206.5 square miles exclusive of area above Santa Fe Dam) — F263-R

1928-29	71	93	0	3.94	2850	3	10	397			
1929-30	161	152	0	4.83	3490	1	11	726			
1930-31	217	106	0	3.44	2490	2	4	404			
1931-32	116	1620	0	18.0	13060	2	9	3830			
1932-33	221	286	0	4.20	3040	1	29	1450			
1933-34	221	5580	0	23.4	16950	1	1	22000			
1934-35	246	746	0	16.8	12190	10	17	5400			
1935-36	246	355	0	6.32	4590	2	12	3400			
1936-37	236	2440	0	47.3	*34240	2	14	6970			
1937-38	236	11400	0	131	94810	3	2	22700 E	3	1	7920
1938-39	142	672	0	34.1	24620	9	25	2110			
1939-40	139	544	0	27.8	20180	2	1	2110			
1940-41	149	2700	0	139	100900	3	4	5830			
1941-42	111	149	0	39.5	28630	12	10	412			
1942-43	148	10500	0	289	209580	1	23	14810			
1943-44	139	5350	0	144	104200	2	22	14060			
1944-45	136	744	0	58.7	42520	11	12	4210			
1945-46	247	1660	0	47.5	34370	12	23	4660			
1946-47	247	2810	0	62.7	45420	12	30	3240			
1947-48	219	48	0	11.8	8590	2	6	84			
1948-49	219	77	0	8.94	6470	1	20	144			
1949-50	225	272	0	5.72	4130	2	6	845			
1950-51	225	16	0	0.77	558	1	30	27			
1951-52	275	2860	0	70.2	50900	1	16	14000			
1952-53	275	327	0	19.2	13880	12	2	1450			
1953-54	271	901	0	15.2	10990	2	13	5450			
1954-55	271	323	0	12.8	9250	1	18	1590			
1955-56	283	4030	0	33.1	24050	1	26	12400			
1956-57	283	558	0	24.9	18000	3	1	3600			
1957-58			0								
1958-59											

NOTE: STATION AT VARIOUS LOCATIONS - SEE STATION DESCRIPTION

SAN GABRIEL RIVER at Florence Avenue (Drainage Area 215 square miles exclusive of area above Santa Fe Dam) — F262-R

1933-34	225		0		*			N.D.			
1934-35	222	718	0	6.50	4700	10	17	5850			
1935-36	222	414	0	2.42	1750	2	12	3400			
1936-37	240				*			N.D.			
1937-38	240				**			N.D.			
1938-39	144	325	0		*2540	9	25	1380			
1939-40	141	271	0	2.61	1900	1	8	1150			
1940-41	151	2390	0	105	75780	3	4	5630			
1941-42	113	117	0	18.7	13570	12	10	413			
1942-43	150	9190	0	257	186420	1	23	14000			
1943-44	141	4860	0	110	79930	2	22	15960			
1944-45	138	806	0	36.1	26110	11	12	4020			
1945-46	250	1505	0	22.8	16480	12	23	4370			
1946-47	250	2880	0	38.2	27650	12	31	3640			
1947-48	223	0	0	0	0						
1948-49	223	0	0	0	0						
1949-50	228	0	0	0	0						
1950-51	228	0	0	0	0						
1951-52	279	3070	0	33.4	24250	1	16	8040			
1952-53	279	181	0	1.36	983	12	2	1270			
1953-54	274	688	0	5.24	3790	2	13	4060			
1954-55	274	317	0	1.38	1000	1	18	1850			
1955-56	287	4580	0	14.3	10360	1	26	12840 E			
1956-57	287	490	0	1.91	1390	1	13	2040			
1957-58											
1958-59											

NOTE: STATION AT VARIOUS LOCATIONS - SEE STATION DESCRIPTION

YEARLY DISCHARGE SUMMARY

SAN GABRIEL RIVER at Spring Street, Long Beach (Drainage Area 215.5 square miles exclusive of area above Santa Fe Dam) — F42-R

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS					
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	MO.	DAY	FLOW CFS	MO.	DAY	FLOW CFS
1927-28	86	0	0	0	0			0			
1928-29	198	0	0	0	0			0			
1929-30	160	0	0	0	0			0			
1930-31	216	0	0	0	0			0			
1931-32	118	1270	0	9.03	6560	2	9	4490			
1932-33	225	170	0	1.12	809	1	20	2250			
1933-34	225	4860	0	17.1	12370	1	1	15000			
1934-35	220	463	0	3.29	2380	10	17	3390			
1935-36	220	222	0	1.64	1190	2	12	1910			
1936-37	241	1850	0	18.7	13510	2	14	4560			
1937-38	241	14500	0	122	88020	3	2	27000 E	3	1	7370
1938-39	146	265	0	1.50	1080	12	19	956	9	25	620
1939-40	143	192 E	0	2.02	1460	2	3	1400			
1940-41	153	1710	0	91.0	65890	3	13	4830			
1941-42	115	148	0	15.0	10830	12	11	277			
1942-43	152	9570	0	280	175100	1	23	14600			
1943-44	143	5570	0	99.4	72200	2	22	15000			
1944-45	140	742	0	30.8	22280	2	2	1910			
1945-46	253	1460	0	17.4	12590	12	23	3300			
1946-47	253	2520	0	33.3	24100	1	1	2740			
1947-48	223	0	0	0	0						
1948-49	223	0	0	0	0						
1949-50	229	0	0	0	0						
1950-51	229	0	0	0	0						
1951-52	282				21108 E			STATION OUT			
1952-53	282	101	0	0.30	220	12	2	301			
1953-54	277	445	0	2.85	2060	2	13	3520			
1954-55	277	240	0	1.13	820	1	18	1640			
1955-56	289	4300	0	12.9	9390	1	26	12540			
1956-57	289	393	0	1.24	896	1	13	1760			
1957-58											
1958-59											

SAN JOSE CHANNEL above Workman Mill Road (Drainage Area 83.4 square miles) — F312-R

1955-56	291	1830	0	5.61	4070	1	26	5180			
1956-57	291	190	0	1.10	796	3	1	1410			
1957-58		1210	0	19.4	14060	4	7	3990			
1958-59		487	0	4.43	3210	1	6	2720			

SAN JOSE CREEK at Workman Mill Road (Drainage Area 85.0 square miles) Controlled after 1955 — F48-R

1928-29	77	* 35	0		* 310	3	10	* 77			
1929-30	212	100	0	1.13	821	1	15	264			
1930-31	282	92	0.08	0.73	531	2	4	323			
1931-32	120	547	0.06	5.55	4030	2	9	1540			
1932-33	228	192	0.01	1.47	1070	1	29	925			
1933-34	228	2950	0	10.5	7610	1	1	13100			
1934-35	249	441	+	5.33	3860	10	17	2450			
1935-36	249	225	0	1.92	1390	2	12	1010			
1936-37	244	1470	+	13.3	9600	2	14	4070			
1937-38	244	4380	0.4	21.3	15450	3	2	9350	3	1	2900
1938-39	148	499	0.3	4.76	3440	9	25	1950			
1939-40	145	246	0.2	4.15	3020	2	1	1570			
1940-41	156	1320	0.7	31.4	22730	2	28	2500			
1941-42	117	54	0.8	5.43	3930	12	10	180			
1942-43	154	2740	1.4	28.3	20470	1	23	8040			
1943-44	145	2090	1.4	16.4	11910	2	22	6000			
1944-45	142	238	2.0	9.67	7010	11	11	1480			
1945-46	255	386	1.6	7.94	5750	12	23	1390			
1946-47	255	250	1.2	7.04	5100	12	26	833			
1947-48	224	21	0.6	2.76	2000	12	6	160			
1948-49	224	35	0.2	1.68	1220	1	20	107			
1949-50	229	184	0.2	2.65	1920	2	6	747			
1950-51	229	21	+	1.20	851	1	29	97			
1951-52	283	1860	0.2	24.6	17870	1	18	4400			
1952-53	283	108	0.1	2.12	1530	12	2	960			
1953-54	280	471	0.1	5.49	3970	2	13	2590			
1954-55	280	218	+	1.61	1160	1	18	1420			
1955-56	294	*123	+	1.28	926	1	26	198			
1956-57	294	* 48	+	1.37	988	3	1	135			
1957-58		* 83	0.1	4.47	3240	2	19	186			
1958-59		* 86	0.1	1.51	1090	4	26	171			
		SEE STATION F312-R									

SANTA ANITA CREEK below Big Santa Anita Dam (Drainage Area 10.8 square miles) — F119-R

1927-28	34	9.5	0.02	1.60	1162	2	5	16			
1928-29	111	9.0	0.2	1.73	1260	9	11	11			
1929-30	17	3.6	0.2	1.33	964	4	12	3.6			
1930-31	28	8.7	0.2	1.60	1160	2	20	9.0			
1931-32	24	94	0.3	5.34	3880	12	28	112			
1932-33	52				°2020			N.D.			
1933-34	52	373	0.1	3.87	2800	1	1	431			
1934-35	253	90	0.1	5.51	3990	2	16	53	2	20	53
1935-36	253	52	+	3.48	2530			N.D.			
1936-37	140		+	10.9	7920	2	15	141			
1937-38	247		STATION ABANDONED					N.D.			
			SEE STATION F119B-R								

NOTE: STATION AT VARIOUS LOCATIONS - SEE STATION DESCRIPTION
° INDICATES RUNOFF FROM SANTA ANITA DAM OUTFLOW RECORDS

YEARLY DISCHARGE SUMMARY

YEARLY DISCHARGE SUMMARY

SANTA ANITA CREEK below Big Santa Anita Dam (Drainage Area 10.6 square miles) — F119B-R

YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW CFS	MO.	DAY	FLOW CFS
1947-48	230	5.2	0.3	1.71	1240	2	6	5.2			
1948-49	230	10.4	0.5	1.36	982	1	20	10.4			
1949-50	235	24	0.01	1.81	1310	12	19	25			
1950-51	235	4.5	0	0.69	499	7	24	20			
1951-52	288	345	0.5	11.4	8300	12	12	11.7			
1952-53	288	37	0.8	2.39	1730						
1953-54	287	145	0	4.71	3410			N.D.			
1954-55	287	27.2	0	1.98	1440			N.D.			
1955-56	299	113	0.3	3.02	2200	1	29	120			
1956-57	299	15.2	0.1	1.98	1430	1	13	15.2			
1957-58		249	0.6	16.2	11700			N.D.			
1958-59		38	+	2.80	2030			N.D.			

NOTE: STATION AT VARIOUS LOCATIONS - SEE STATION DESCRIPTION

SANTA ANITA CREEK above Little Santa Anita Creek (Drainage Area 12.9 square miles) — F260-R

YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW CFS	MO.	DAY	FLOW CFS
1936-37	249	140	0	8.91	6450	2	15	174			
1937-38	249		STATION ABANDONED					N.D.	3	1	800

SANTA ANITA WASH at Foothill Boulevard (Drainage Area 17.2 square miles) — F260B-R

YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW CFS	MO.	DAY	FLOW CFS
1938-39	150	46	0	2.32	1680	1	5	128	9	25	47
1939-40	147	58	0	1.46	1060	1	8	248			
1940-41	158	262	0	17.9	12920	3	4	482			
1941-42	119	26	0	0.96	694	12	29	65			
1942-43	157	2130	0	29.9	21670	1	23	3800			
1943-44	148	395	0	8.46	6140	2	22	747			
1944-45	146	92	0	2.13	1540	6	25	225			
1945-46	262	182	0	2.04	1480	12	23	350			
1946-47	262	144	0	3.44	2490	12	29	289			
1947-48	232	0	0	0	0						
1948-49	232	0	0	0	0						
1949-50	236	6.3	0	.092	68	11	10	48			
1950-51	236	5.9	0	.032	23	1	11	77			
1951-52	290	381	0	6.24	4530	1	16	891 E			
1952-53	290	14	0	0.16	116			N.D.			
1953-54	289	204	0	3.45	2500			N.D.	1	25	640 E
1954-55	289	22	0	0.58	419			N.D.			
1955-56	301	163	0	1.31	949			N.D.			
1956-57	301	36	0	0.41	297			N.D.			
1957-58		254	0	8.72	6320			N.D.			
1958-59		66	0	0.76	550	1	6	1000 E			

SANTA ANITA WASH below Arrow Highway (Drainage Area 18.3 square miles) — F193-R

YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW CFS	MO.	DAY	FLOW CFS
1932-33	232		0		*			N.D.			
1933-34	232	232	0	1.20	870	1	1	399			
1934-35	256	70	0	0.27	193	4	8	197			
1935-36	256	18	0	0.22	156	2	16	31			
1936-37	252	98	0	2.90	2090	12	27	117			
1937-38	252		STATION ABANDONED					N.D.			

SANTA CLARA RIVER above Lang R.R. Station (Drainage Area 157.3 square miles) — F93-R

YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW CFS	MO.	DAY	FLOW CFS
1949-50	238	5.2	0.8	1.54	1110	2	6	6.0			
1950-51	238	1.7	0.6	1.07	774	4	28	2.0			
1951-52	292	1280	0.5	29.3	21230	1	16	4200			
1952-53	292	9.0	1.2	3.11	2250	11	15	39			
1953-54	291	18	1.0	2.76	2000	1	25	29			
1954-55	291	4.8	1.0	1.75	1270	1	18	5.8			
1955-56	302	4.0	1.0	1.51	1100	4	13	5.0			
1956-57	302	1.6	0.9	1.25	906	1	12	1.7			
1957-58		509	1.0	14.5	7340	4	3	1260			
1958-59		21	1.1	2.46	1780	1	6	40			

SANTA CLARA RIVER at Highway 99 (Drainage Area 410.4 square miles) — F92B-R

YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW CFS	MO.	DAY	FLOW CFS
1929-30	219	83	0.2	1.10	793	3	15	193			
1930-31	290	291	0.1	2.61	1890	2	7	2310			
1931-32	122	739	0.1	5.89	4280	2	9	2090			
1932-33	233	90	0	0.67	488	1	19	618			
1933-34	233	448	0.01	2.21	1600	1	1	3870			
1934-35	259	82	+	1.51	1090	1	5	608			
1935-36	259	113	0	2.19	1590	2	23	833			
1936-37	254	471	0	6.69	4850	12	27	3410			
1937-38	254	6370	+	37.2	26900	3	2	24000 E	3	1	1570
1938-39	151	435 E	+	14.4	10410	12	15	4620	9	25	550
1939-40	148	79	0.3	2.16	1570	2	1	676			
1940-41	161	3450	0.3	57.1	41320	3	4	5050			
1941-42	120	167	0.6	32.3	23400	12	28	443			
1942-43	158	5420	1.4	65.2	47170	1	23	15000			
1943-44	149	9360	2.0	68.6	49770	2	22	22200			
1944-45	147	110	2.2	15.3	11050	2	2	317			
1945-46	264	194	0.4	8.90	6440	3	30	500			
1946-47	264	371	1.0	15.4	11150	12	26	1620			
1947-48	232	33 E	0.8	3.12	2270	3	24	350 E			
1948-49	232	4.9	0.4	1.80	1300	3	11	9.9			
1949-50	241	5.2	0.1	1.22	888	2	6	8.5			
1950-51	241	2.0	0.02	0.30	217	1	29	6.2			
1951-52	295	1620	0.02	23.1	16760	1	16	7600			
1952-53	295	43	0.1	0.83	592	12	1	N.D.			
1953-54	294	104	0.05	1.60	1160	1	19	626			
1954-55	294	96	+	0.85	612	1	18	746			
1955-56	305	184	+	1.38	1000	1	26	344			
1956-57	305	195	0	1.42	1020	2	28	1920			
1957-58		1442	0	14.7	10620	4	3	3850			
1958-59		215	0	1.30	940	1	6	1410			

NOTE: STATION AT VARIOUS LOCATIONS - SEE STATION DESCRIPTION

YEARLY DISCHARGE SUMMARY

SANTA CLARA RIVER One Half mile West of County Line (Drainage Area 643.72 square miles) — F137-R

YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW CFS	MO.	DAY	FLOW CFS
1948-49	236	33	1.1	12.2	8800	1	20	40			
1949-50	244	30	0.7	9.27	6710	2	6	36			
1950-51	244	24	0.6	5.92	4280	1	10	33			
1951-52	297	INC.	INC.	INC.	INC.			N.R.			
			STATION ABANDONED								

SANTA CLARA RIVER at Blue Cut (Drainage Area approximately 651 square miles) — V309-R

YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW CFS	MO.	DAY	FLOW CFS
1953-54	298	195	0.8	10.3	7490	2	13	755			
1954-55	298	88	0.2	6.96	5040	1	18	547			
1955-56	309	514	0.3	7.58	5510	1	26	878			
1956-57	309	275	0.2	4.53	3280	3	1	1580			
1957-58		3370	0.3	55.5	40160	4	3	7070			
1958-59											

SANTA FE CHANNEL below Santa Fe Dam (Drainage Area Controlled) — F260-R

YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW CFS	MO.	DAY	FLOW CFS
1943-44	102	253	0	20.9	15180	5	18-23	253			
1944-45	102	0	NO FLOW FOR YEAR		0						
1945-46	183	479	0	31.2	22510	9	13	484			
1946-47	183	446	0	16.8	12200	11	27	484			
1947-48	167	786	0	10.9	7880	6	4	800			
1948-49	167	0	0	0	0						
1949-50	174	0	0	0	0						
1950-51	174	0	0	0	0						
1951-52	217	381	0	3.15	2280	3	16	732			
1952-53	217	819	0	10.7	7720	11	3	839			
1953-54	302	750	0	11.5	8350	5	7	752			
1954-55	302	0	0	0	0						
1955-56	311	0	0	0	0	0	0	0			
1956-57	311	452	0	4.69	3400	4	16	455			
1957-58		621	0	27.0	19530	4	4	635	4	5	635
1958-59		0	0	0	0	0	0	0			

SANTIAGO CREEK above Little Rock Creek (Drainage Area 11.2 square miles) — F125-R

YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW CFS	MO.	DAY	FLOW CFS
1953-54	303	24	0	0.87	631	1	25	44			
1954-55	303	13	0	0.83	602	2	17	16			
1955-56	313	41	0	0.56	406	1	26	87			
1956-57	313	6.8	0	0.27	199	1	13	14.6			
1957-58		58	0	3.15	2280	4	3	107			
1958-59		10	0	0.53	386	2	16	21			

SAWPIT CREEK below Sawpit Dam (Drainage Area 3.3 square miles) — F27E-R

YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW CFS	MO.	DAY	FLOW CFS
2941-42	122	1.3	0	0.04	30	3	14	2.6			
1942-43	160	186 E	0	3.95	2860	1	23	284			
1943-44	151	50	0	0.92	666	2	22	67			
1944-45	148	8.0	0	0.40	290	11	12	18			
1945-46	267	21.0	0	0.20	169	12	23	36			
1946-47	267	18.0	0	0.45	329	12	26	26			
1947-48	238	0	0	0	0						
1948-49	238	7.2	0	.022	16	2	9	15			
1949-50	248	1.0	0	0.03	25	7	1	2.6			
1950-51	248	16	0	0.04	32	1	15	46			
1951-52	300	42	0	1.49	1080	1	15	46			
1952-53	300	11.5	0	0.09	67	11	24	25			
1953-54	306	19.2	0	.347	251	1	25	30	2	13	30
1954-55	306	4.0	0	0.15	107	11	13	29			
1955-56	316	23	0	0.23	168	1	26	35			
1956-57	316	0.6	0	0.02	15.1	2	23	3.3			
1957-58		43	0	1.73	1260	4	3	54			
1958-59		13.5	0	1.07	776	1	6	50			

SAWPIT WASH above Arrow Highway (Drainage Area 6.7+ square miles) — F194-R

YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW CFS	MO.	DAY	FLOW CFS
1932-33	237	7.5	0	0.04	26	1	19	22			
1933-34	237				**			N.D.			
1934-35	261	11	0	0.07	51	4	8	45			
			STATION ABANDONED								

SAUTELLE-WESTWOOD CHANNEL at Culver Boulevard (Drainage Area 22.96 square miles) — F301-R

YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW CFS	MO.	DAY	FLOW CFS
1951-52	304	638	0.1	14.0	10180	1	16	4240			
1952-53	304	233	0.3	3.86	2790	11	11	3150			
1953-54	312	787	0.3	9.61	6960	2	13	4150			
1954-55	312	191	0.2	4.32	3130	1	10	2140			
1955-56	320	1240	0.4	8.88	6450	1	26	3130			
1956-57	320	437	0.5	7.17	5200	2	23	4170			
1957-58		448	0.4	11.6	8410	2	25	2970			
1958-59		345	0.6	4.76	3440	2	8	2380			

YEARLY DISCHARGE SUMMARY

YEARLY DISCHARGE SUMMARY

SEPULVEDA CREEK at Charnock Road (Drainage Area 25.7 square miles) F165-R

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS					
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	MO.	DAY	FLOW CFS	MO.	DAY	FLOW CFS
1932-33	238	255	0	3.01	2180	1	29	834			
1933-34	238	426	0	3.51	2540	12	31	1150			
1934-35	262	226	0	4.08	2950	4	8	1560			
1935-36	262	202	0	4.03	2920	2	12	1810			
1936-37	257		0		*	2	14	1980			
1937-38	257		0		*	3	2	3100 E			
1938-39	153	256	0	2.99	2170	9	25	1080			
1939-40	150	291	0	3.83	2780	2	2	1890			
1940-41	163	373	+	13.0	9460	12	23	3010			
1941-42	123	177	0.1	2.75	1990	12	28	2200			
1942-43	163	740	+	6.30	4560	1	22	2220			
1943-44	154	295	0.1	5.55	4030	2	22	1940			
1944-45	150	170	0.3	3.97	2870	11	11	1460			
1945-46	272	434	+	5.15	3740	12	22	1900			
1946-47	272	328	0.2	5.88	4260	11	13	2110			
1947-48	240	118	+	2.50	1820	3	24	1710			
1948-49	240	99	+	3.33	2410	2	7	1530			
1949-50	251	200	+	3.53	2560	2	6	1470			
		STATION DISCONTINUED									

SIERRA MADRE WASH below Sierra Madre Dam (Drainage Area 2.4 square miles) F67B-R

1928-29	121		0		* 40	4	5	* 6.0			
1929-30	45	1.7	0	0.01	8.5	3	15	3.8			
1930-31	85	2.1	0	0.01	7.8	4	26	9.0			
1931-32	48	21	0	0.29	211	2	9	38			
1932-33	94	32	0	0.13	93	1	19	90			
1933-34	94	8.0	0	0.11	83	12	31	39			
1934-35	110	12	0	0.38	276	4	8	32			
1935-36	110	6.5	0	0.31	141	2	11	16			
1936-37	126	26	0	1.16	835	12	27	109			
1937-38	126	192	0	3.24	2350	3	2	620 E	3	1	135
1938-39	85	8.0	0	0.09	65	12	18	132			
1939-40	84	10	0	0.26	190	1	8	84			
1940-41	80	42	0	2.77	2000	4	4	75			
1941-42	59	2.7	0	0.19	138	12	28	5			
1942-43	85	208	0	5.26	3810	1	23	533			
1943-44	74	51	+	1.04	755	2	22	69			
1944-45	73	13	0	0.17	123	11	11	56			
1945-46	132	21	0	0.24	172	12	23	60			
1946-47	132	21	0	0.62	446	11	13	55			
1947-48	118	1.6	0	0.01	7.2	4	28	11			
1948-49	118	C.1	0	+	0.2	3	11	1.6			
1949-50	253	6.9	0	0.07	51	11	10	36			
1950-51	253	0.5	0	.003	2.0	1	11	3.5			
1951-52	307	37	0	1.68	1215	1	16	65			
1952-53	307	2.8	0	0.04	29	12	1	41			
1953-54	316	28	0	0.63	457	1	19	99			
1954-55	316	3.5	+	0.16	114	11	11	23			
1955-56	323	27	+	0.32	236	1	26	52			
1956-57	323	9.8	0	0.15	108	2	23	39.5			
1957-58		31	0	2.09	1510	2	19	54			
1958-59		8.6	0	0.24	199	1	6	78			

NOTE: STATION AT VARIOUS LOCATIONS - SEE STATION DESCRIPTION

SIERRA MADRE WASH at Woodland Avenue (Drainage Area 3.6 square miles) F267-R

1940-41	82	N.D.	0	N.D.	N.D.			N.D.			
1941-42	61	6.5	0	0.16	117	12	28	60			
1942-43	86	216	0	3.43	2480	1	23	542			
1943-44	75	67	+	0.55	390	2	22	202			
1944-45	74	24	0	0.20	144	11	11	175			
1945-46	135	35	0	0.30	212	12	23	188			
1946-47	135	26	0	0.31	227	12	27	112			
1947-48	120	6.2	0	0.07	52	3	13	76			
1948-49	120	1.1	0	.024	18	3	4	43			
1949-50	255	8.2	0	0.10	74	11	10	110			
1950-51	255	8.4	0	.061	44	1	11	110			
1951-52	309	71	0	0.92	670	1	16	323			
1952-53	309	12	0	.139	101	12	1	208			
1953-54	319	57	0	0.56	404	1	19	333			
1954-55	319	11.7	0	0.23	164	1	18	175			
1955-56	326	104	0	0.47	344	1	26	481			
1956-57	326	28	0	0.36	264	2	23	445			
1957-58		54	+	1.87	1350	2	19	700 E			
1958-59		36	0	0.42	304	1	6	706			

STODDARD CREEK above San Antonio Creek (Drainage Area 1.7 square miles) B324-R

1958-59		9.2	0	0.31	221	2	11	61.8			

YEARLY DISCHARGE SUMMARY

SYCAMORE CANYON CHANNEL above Solway Street (Drainage Area 2.7 square miles) F4J-R

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS					
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	MO.	DAY	FLOW CFS	MO.	DAY	FLOW CFS
1927-28	88		0		* 63	2	3	* 25	5	8	* 25
1928-29	238	13	0	1.07	77	3	10	52			
1929-30	226	24	0	0.22	160	3	14	24			
1930-31	299	6.3	0	0.06	40	2	4	20			
1931-32	125	12	0	0.57	415	2	9	58			
1932-33								N.D.			
1933-34								N.D.			
1934-35	268							N.D.			
1935-36	268		0		*	3	30	252			
1936-37					**			N.D.			
1937-38					**			N.D.			
1938-39	155	5.5	0	0.19	139	1	5	74	9	25	6.3
1939-40	154	3.3	0	0.14	100	2	1	55			
1940-41	166	79	0	1.19	864			N.D.			
1941-42	125	9.5	0	0.15	110	12	10	119			
1942-43	165	90	0	1.57	1140	1	22	340			
1943-44	156	48	0	0.55	389	2	22	172			
1944-45	152	7.0	0	0.15	107	11	11	89			
1945-46	275	3.7	0	0.07	54	2	3	89			
1946-47	275	27	0	0.17	122	12	25	175			
1947-48	244	2.1	0	.014	9.9	3	24	51			
1948-49	244	0.4	0	.012	8.6	1	9	3.4			
1949-50	258	2.7	0	.045	33	2	6	20			
1950-51	258	2.2	0	.038	28	1	11	55			
1951-52	312	92	0	1.54	1119	1	16	568			
1952-53	312	7.9	0	.117	86	11	15	117			
1953-54	322	7.0	0	.096	69	1	19	85			
1954-55	322	6.0	0	0.06	45	5	1	69			
1955-56	329	39	+	0.17	123	1	26	216			
1956-57	329	15.3	+	0.11	79	2	23	288			
1957-58		22	0	0.48	348	2	19	374			
1958-59		12.5	0	0.09	67	1	6	279			

SYCAMORE CANYON CHANNEL at Adams Square (Drainage Area 6.2 square miles) F4J-R

1927-28	94		0		* 103	2	3	* 34			
1928-29	244	*73	0	*	* 253	11	14				
1929-30	231	51	0	0.49	353	5	3	51			
1930-31	304	14	0	0.26	190	2	3	212			
1931-32	127	35	0	0.84	611	11	27	191			
1932-33	242	46	0	0.39	283	1	19	401			
1933-34	242	366	0	2.46	1780	1	1	1150			
1934-35	266	65	0	1.53	1110	1	5	591			
1935-36	266	31	0		*	3	30	607			
1936-37	259	56	0		*1760	12	27	365			
1937-38	259				**	3	2	2800 E	2	28	547
1938-39	156	68	0	1.37	992	1	5	314	9	25	314
1939-40	152	33	0	0.81	585	1	7	492			
1940-41	167	200	0	4.51	3260			N.D.			
1941-42	126	58	+	0.64	463	12	10	434			
1942-43	166	205	+	3.02	2180	1	22	757			
1943-44	158	152	0	1.99	1440	2	22	782			
1944-45	154	44	0	0.65	470	2	2	249			
1945-46	278	56	0.01	0.75	540	2	3	552			
1946-47	278	68	0	1.02	741	12	25	370			
1947-48	246	42	0	0.41	300	3	24	818			
1948-49	246	20	+	0.41	294	3	7	98	3	10	98
1949-50	260	36	+	0.58	420	2	6	205			
1950-51	260	12.7	0.01	.383	279	4	28	262			
1951-52	314	177	+	3.46	2510	1	16	1270			
1952-53	314	34	+	0.48	345	11	15	330			
1953-54	325	40	+	0.69	499	2	13	214			
1954-55	325	32	+	0.58	418	1	18	318			
1955-56	331	158	0	0.93	672	1	26	841			
1956-57	331	72	0.01	0.72	522	2	23	1085			
1957-58		72	+	1.99	1450	2	19	751			
1958-59		50	+	0.61	441	1	6	880			

+ = LESS THAN 0.01 CFS

THOMPSON CREEK SPREADING GROUNDS INTAKE at Thompson Creek Dam (Drainage Area 3.7 square miles) F276-R

1940-41	168	11	0	0.48	345	4	1	19			
1941-42	127	+	0	+	+	VAR.	TIMES	+			
1942-43	167	14	0	0.44	317	2	24	21			
1943-44	159	2.6	0	0.05	37	2	26	3.8			
1944-45	155	1.2	0	0.03	18	3	26	2.3			
1945-46	281	2.4	0	.007	4.8	12	23	15.0			
1946-47	281	NO FLOW FOR ENTIRE YEAR		0	0						
1947-48	249	"	"	0	0						
1948-49	249	"	"	0	0						
1949-50	263	"	"	0	0						
1950-51	263	"	"	0	0						
1951-52	317	8.7	0	0.22	163	3	15	18.1			
1952-53	317	0	0	0	0						
1953-54	328	0	0	0	0						
1954-55	328	0	0	0	0						
1955-56	334	0	0	0	0						
1956-57	334	0	0	0	0						
1957-58		8.1	0	0.23	163	4	8	10.0			
1958-58		*0	0	0	0						

YEARLY DISCHARGE SUMMARY

YEARLY DISCHARGE SUMMARY

TOPANGA CREEK above Mouth of Canyon (Drainage Area 18.0 square miles) — F546-R

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS					
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	MO.	DAY	FLOW CFS	MO.	DAY	FLOW CFS
1929-30	237				* 647	3	14	340			
1930-31	310	186	0.01	0.97	705	2	4	386			
1931-32	129	409	0.02	4.94	3590	2	8	1250			
1932-33	245	542	0.01	3.09	2240	1	19	1430			
1933-34	245	1590	0	8.87	6420	12	31	4510			
1934-35	270	130	+	1.88	1360	1	5	1200			
1935-36	270	77	+	2.05	1490	2	22	528			
1936-37	261	413	+	9.13	6620	3	15	1130			
1937-38	261	3270	+	21.2	15310	3	2	9300 E	2	28	6630
1938-39	158				**			N.D.			
1939-40	155	183	+	2.86	2080	2	1	1280			
1940-41	169	1100 E	+	26.2	18940	2	20	8700 E			
1941-42	128	47	+	0.75	540	12	28	385			
1942-43	169	1110 E	+	12.0	8720	1	22	2200			
1943-44	161	1110 E	0.1	9.60	6970	2	22	5070			
1944-45	157	176	0.1	1.51	1090	2	2	64			
1945-46	283	182	0.02	1.93	1390	12	23	905			
1946-47	283	86	0.02	1.37	994	11	20	567			
1947-48	250	23	0	0.23	168	3	24	276			
1948-49	250	5.0	0.01	0.14	99	12	26	63			
1949-50	264	35	0.01	0.52	379	12	18	275			
1950-51	264	2.4	0.01	.102	74	1	11	21			
1951-52	319	1990	0	23.3	16900	1	15	6050			
1952-53	319	52	0.02	1.00	725	12	1	702			
1953-54	329	396	0	2.51	1820	2	13	2090			
1954-55	329	33	0.01	0.49	354	1	18	151			
1955-56	335	337	+	1.42	1030	1	26	1540			
1956-57	335	69	0.01	0.52	374	2	23	655			
1957-58		599	0.01	10.4	7460	4	3	3950			
1958-59		141	0.02	1.08	785	1	6	1510			

VERDUGO CHANNEL at Estelle Avenue (Drainage Area 22.4 square miles) — F252-R

1928-29	232	* 15	0	*	* 140	4	4	56			
1929-30	242	14	0	0.04	274	5	3	80			
1930-31	317	8.4	0.01	0.20	145	4	26	46			
1931-32	131	39	0.1	0.98	713	2	9	145			
1932-33	249	42	0.1	0.41	295	1	19	391			
1933-34	249				**			N.D.			
1934-35	273	* 85	0		* 620	1	5	*1020			
1935-36	273	33	0	0.64	463	3	30	*1100			
1936-37	264		0		*1560	12	27	768			
1937-38	264	1500	0	7.52	5450	3	2	4400 E	2	28	1390
1938-39	159	78	0	1.96	1420	1	5	520	9	25	320
1939-40	157	60	+	1.97	1430	1	8	533			
1940-41	171	357	+	10.2	7370	2	19	1120			
1941-42	130	81	0.8	2.98	2160	12	10	440			
1942-43	171	1020	0.3	12.0	8730	1	23	3570			
1943-44	163	998	0.2	6.95	5040	2	22	3160			
1944-45	159	181	0.6	2.77	2010	2	2	1520			
1945-46	286	135	0.3	2.66	1930	12	22	816			
1946-47	286	234	0	2.68	1940	12	25	1860			
1947-48	253	41	0	0.53	382	3	24	573			
1948-49	253	35	0	0.60	433	12	16	202			
1949-50	267	69	0	0.88	638	2	6	467			
1950-51	267	41	0	0.51	383	1	11	960			
1951-52	322	422	0	7.75	5630	1	16	2920			
1952-53	322	100	0	1.34	968	11	15	1520			
1953-54	333	227	0	2.66	1920	2	13	1300			
1954-55	333	134	0	2.05	1480	1	18	784	4	30	784
1955-56	338	550	0	2.53	1840	1	26	1940			
1956-57	338	184	0	1.93	1400	2	23	2960			
1957-58		236	0	5.20	3770	2	19	1700			
1958-59		232	0	1.99	1440	2	16	2080			

NOTE: STATION AT VARIOUS LOCATIONS - SEE STATION DESCRIPTION

YEARLY DISCHARGE SUMMARY

THOMPSON CREEK below Thompson Creek Dam (Drainage Area 3.7 square miles) — F328-R

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS					
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN CFS	RUNOFF A.F.	MO.	DAY	FLOW CFS	MO.	DAY	FLOW CFS
1943-44	160		NO FLOW FOR YEAR								
1944-45	156		" " " "								
1945-46	282		" " " "								
1946-47	282		" " " "								
1947-48	249		" " " "								
1948-49	249		" " " "								
1949-50	263		" " " "								
1950-51	263		" " " "								
1951-52	318	4.6	0	0.5	33	3	17	5.3			
1952-53	318	0	0	0	0						
1953-54	328	0	0	0	0						
1954-55	328	0	0	0	0						
1955-56	334	0	0	0	0						
1956-57	334	0	0	0	0						
1957-58		7.3	0	0.30	219	4	5	8.6			
1958-59		0	0	0	0						

WALNUT CREEK at Baldwin Park Avenue (Covina Boulevard) (Drainage Area 99.0 square miles) — F47-R

1928-29	38	* 55	0		* 112	3	10	*302			
1929-30	247	87	0	0.72	526	1	11	900			
1930-31	322	25	0	0.29	210	2	4	123			
1931-32	133	365	0	3.88	2820	2	9	1780			
1932-33	252	129	0	0.73	530	1	19	748			
1933-34	252	1770	0	8.71	6310	1	1	8060			
1934-35	277	321	0	2.66	1920	10	17	2340			
1935-36	277	291	0	2.29	1670	2	12	2450			
1936-37	266	611	0	5.94	4300	2	6	1980			
1937-38	266	2580	0	17.4	12610	3	2	4290	3	1	3450
1938-39	161	146	0	1.40	1010	12	18	751	9	25	284
1939-40	158	173	0	1.27	923	1	7	1870			
1940-41	173	561	0	10.1	7300	3	13	2680			
1941-42	131	52	0	0.30	216	12	10	223			
1942-43	172	1190	0	14.0	10140	1	23	4380			
1943-44	164	1010	0	4.26	2930	2	22	4220			
1944-45	160	358	0	2.09	1510	11	11	3210			
1945-46	289	620	0	3.80	2750	12	23	2430			
1946-47	289	100	0	1.26	910	11	23	583			
1947-48	255	56	0	0.23	164	12	5	232			
1948-49	255	16	0	0.07	48	12	17	121			
1949-50	270	96	0	0.47	340	2	6	448			
1950-51	270	8.5	0	0.06	44	1	11	115			
1951-52	325	618	0	8.79	6370	1	16	3130			
		STATION DISCONTINUED SEE STATION F304-R									

WALNUT CREEK at Puente Avenue (Drainage Area 65.6 square miles) (1956-59 Drainage Area 57.65 square miles) — F304-R

1952-53	326	47	0	0.40	292	12	1	713			
1953-54	336	297	0	34.9	25290	2	13	1500			
1954-55	336	337	0	29.9	21640	1	18	732			
1955-56	341	1120	0	68.5	49730	1	26	3450			
1956-57	341	361	0	71.2	51530	2	28	2200			
1957-58		494	0	11.7	8490	4	7	2510			
1958-59		279	0	2.23	1610	1	6	2480			

LEGEND

* INDICATES RECORD INCOMPLETE
** INDICATES RECORD NOT COMPUTED
E INDICATES ESTIMATED
N.D. INDICATES NOT DETERMINED DUE TO INSUFFICIENT DATA
\+ INDICATES 0.05 CFS OR LESS

TABLE XV

RUNOFF WASTE TO OCEAN IN ACRE-FEET

YEAR	SAWTELLE-WESTWOOD CHANNEL AT CULVER BOULEVARD	BALLONA CREEK AT SAWTELLE BOULEVARD [a] AT CENTINELA BOULEVARD	DOMINGUEZ CHANNEL AT CARSON BOULEVARD	LOS ANGELES RIVER AT BELHART STREET [c] AT PACIFIC COAST HIGHWAY [b] AT WILLOW STREET	LOS CERRITOS CHANNEL [d] AT STEARNS STREET [e] AT SEVENTH STREET [e] AT ATHERTON STREET	SAN GABRIEL RIVER AT SPRING STREET	COYOTE CREEK [g] AT CENTRALIA ROAD [g] AT DEL AMO STREET [f] BELOW P.E.R.R. BRIDGE - ARTESIA	TOTAL MEASURED WASTE TO OCEAN	RAINFALL INDEX MEAN FOR COUNTY
1927-28		[a] 3930.				NO FLOW			66
1928-29		[a] 14900.		[b] 9340. INC.		" "		24240.	70
1929-30		[a] 13480.		[b] 12310.		" "	[f] 699.	26490.	79
1930-31		[a] 18520.		[b] 14400.		" "	[f] 568.	33490.	94
1931-32		[a] 21790.		[c] 50960.		6560.	[f] 2690.	82000.	125
1932-33		[a] 15810.		[c] 22890.		809.	[f] 457.	39970.	74
1933-34		[a] 20630.		[c] 67860.		12370.	[f] 3890.	104750.	70
1934-35		[a] 24870.		[c] 40470.		2380.	[f] 3850.	71570.	134
1935-36		[a] 13486.		[c] 20470.		1190.	[f] 1150.	38300.	69
1936-37		40680.		[c] 91100.		13510.	[g] 13680.	158970.	144
1937-38		52500.		[c] 408000.		88020.	[g] 15070.	563590.	150
1938-39		28490.		[c] 82750.		1080.	[g] 4250.	116570.	121
1939-40		21110.		[c] 65930.		1460.	[g] 3190.	91690.	82
1940-41		67360.	32260.	[c] 369500.		65890.	[g] 29500.	564510.	219
1941-42		17250.	3570.	[c] 93390.		10830.	[g] 1560.	126600.	81
1942-43		34240.	12200.	[c] 264900.		175100.	[g] 12070.	498510.	150
1943-44		33000.	19020.	[c] 217400.		72200.	[g] 12060.	353680.	161
1944-45		24450.	9010.	[c] 100200.		22280.	[g] 3800.	159740.	92
1945-46		18380.	8890.	[c] 91790.		12590.	[g] 3540.	135190.	90
1946-47		26300.	10650.	[c] 106000.		24100.	[g] 2460.	69510.	94
1947-48		13630.	5200.	[c] 52820.		NO FLOW	[g] 1500.	73150.	53
1948-49		16080.	5660.	[c] 44350.		" "	[g] 951.	67050.	59
1949-50		23250.	6590.	[c] 42180.	[g] 1900.	" "	[g] 1800.	75720.	66
1950-51	INC.	18860.	9180.	[c] 36600.	[e] 2190.	" "	[g] 1420.	68250.	43
1951-52	10180.	53350.	25700.	[c] 212200.	[e] 9730.	24250.	[g] 23920.	359330.	172
1952-53	2790.	19910.	9630.	[c] 44490.	[e] 2810.	220.	[g] 1160.	81010.	82
1953-54	6960.	28480.	13800.	[c] 70790.	[e] 5850.	2060.	[g] 3990.	131930.	87
1954-55	3130.	21600.	11850.	[c] 60120.	[e] 4500.	820.	[g] 1220.	103240.	78
1955-56	6450.	34590.	22370.	46030.	6500.	9390.	7280.	182610.	82
1956-57	5200.	22240.	11440.	48710.	2920.	896.	1200.	92610.	73
1957-58	8410.	43040.	30080.	191200.	9730.	22930.	15660.	321050.	167
1958-59	3440.	13730.	13270.	49390.	2410.	2670.	3080.	87990.	51

Prior to 1/22/51, discharge of Sawtelle-Westwood Channel was included in Ballona Creek at Sawtelle Boulevard.

No discharge record prior to 10/1/40.

[d] During period 1942 to 1949 when Station was at Seventh Street, records of discharge were not determined due to tidal fluctuations.

a. At Centinela Boulevard February 1928 to April 27, 1936. At Sawtelle Boulevard after May 1, 1936.

b. At Willow Street prior to 1931.

c. At Pacific Coast Highway from 1931 to January 1956. Below Belhart Street after January 1956.

d. At Seventh Street November 1942 to June 1949.

e. At Atherton Street June 1949 to May 1955. At Stearns Street after October 1955.

f. Below P.E.R.R. Bridge from January 1930 to October 1936.

g. At Del Amo Street October 1936 to February 1956. At Centralia Road after February 1956.

DAM OPERATION RECORDS

DAMS, DEBRIS DAMS AND DEBRIS BASINS

FOREWORD

The District operated and maintained fourteen dams, eight debris dams and forty-five debris basins during the 1957-58 and 1958-59 water years. The Los Angeles District Corps of Engineers, Department of the Army, operated and maintained Hansen Dam on the Tujunga Wash, Sepulveda Dam on the Los Angeles River, Whittier Narrows Dam and Santa Fe Dam on the San Gabriel River and the Rio Hondo, Haines Debris Basin and Lopez Flood Control Basin.

Pertinent data relative to the District's flood control and water conservation dams, debris dams and debris basins are presented in the three following tabulations:

FLOOD CONTROL AND CONSERVATION DAMS

Dam	Date of Completion	Date of Survey for Original Storage	Original Storage at Spwy. A.F.	Date of Latest Survey	Latest Storage at Spwy. A.F.	Drainage Area
1. Pacoima	Feb. 1929	1919	6060	June 1958	4651	28.2
2. Big Tujunga	July 1931	1928	6240	June 1958	4123	82.3
3. Devil's Gate	June 1920	1929	4567	Oct. 1959	2839	31.9
4. Eaton Wash	Feb. 1937	Jan. 1936	956	Dec. 1959	817	9.5
5. Big Santa Anita	May 1927	1923	1376	Sept. 1958	587	10.8
6. Sawpit	June 1927	1923	476	Sept. 1959	289	3.3
7. Cogswell	April 1934	Jan. 1936	12298	Oct. 1958	10446	39.2
8. San Gabriel	July 1939	1938 d/	53344	Aug. 1958	44614	163.5 a/
9. Big Dalton	Aug. 1929	1935 e/	1053	Oct. 1958	951	4.5
10. San Dimas	Sept. 1922	1919	1496	Oct. 1954	1025	16.2
11. Puddingstone Diversion b/	July 1928	1929	148	Sept. 1953	138	2.6
12. Puddingstone	Jan. 1928	1915	17398	Jan. 1941	17190	11.0 c/
13. Live Oak	Nov. 1922	1919	250	Nov. 1952	221	2.3
14. Thompson Creek	March 1928	Oct. 1932	812 f/	Dec. 1959	578	3.5

a/ Exclusive of drainage area above Cogswell Dam
b/ Temporary storage - functions primarily to divert flow
c/ Exclusive of drainage area above Live Oak, San Dimas and Puddingstone Dams.
d/ Based on a partial survey prior to March 2, 1938 and extrapolations.
e/ 1935 is date of first complete survey; original reconnaissance survey was made in 1923. Earlier publications show storage based on volumetric computations with extrapolations based on the 1923 survey (1194 A.F.).
f/ Spillway lip lowered in 1942 from elevation 1640. to elevation 1634.85, original storage based on elevation 1634.85 would have been 645 A.F.

DEBRIS DAMS

NAME	DATE OF COMPLETION	DRAINAGE AREA IN SQ. MILES#	MAX. DEBRIS CAPACITY CU. YDS.	CAPACITY AT BEGINNING OF 1958-59 SEASON	APPROXIMATE DEBRIS DEPOSITION 1957-58	DEBRIS CU. YDS. 1958-59
1. Bailey	Dec. 1954 (1)	0.60	165,700	161,100	1,650 (2)	8,860
2. Lower Big Dalton	1927	0.34	30,700	30,700	N	N
3. Rubio	Apr. 1944	1.26	152,300	139,900	2,810 (3)	510
4. Sawpit	Jan. 1955	2.84	737,700	705,400	21,670	69,110
5. Sierra Madre	Feb. 1928	2.39	151,800	138,000	3,400 (2)(4)	300
6. Sierra Madre Villa	May 1958	1.46	492,300	492,300		1,180
7. Sunset	Nov. 1929	0.44	17,500	10,300	1,500 (4)	2,010
8. Verdugo	Mar. 1935	9.43 (5)	179,900	179,900	10,080 (4)	2,000

DEBRIS BASINS

NAME	DATE OF COMPLETION	DRAINAGE AREA IN SQ. MILES#	MAX. DEBRIS CAPACITY CU. YDS.	CAPARITY AT BEGINNING OF 1958-59 SEASON	APPROXIMATE DEBRIS DEPOSITION 1957-58	DEBRIS CU. YDS. 1958-59
1. Altadena Golf Club	1911	0.65	12,500	12,500	5,610	4,250
2. Auburn	Dec. 1954	0.19	57,100	54,300	1,625 (2)	1,180
3. Bradbury	Jan. 1955	0.68	53,200	43,500	3,260 (2)	33,270
4. Brand	Nov. 1935	1.03	72,500	61,500	1,420 (3)	N
5. Carter	Dec. 1954	0.12	21,800	19,700	740 (2)	420
6. Cooks	Jan. 1952	0.58*	47,500	45,000	230 (6)	2,260
7. Deer	Nov. 1954	0.59	44,600	42,000	2,610 (7)	N
8. Dunsmuir	Mar. 1935	0.84*	123,700	102,200	4,690	N
9. Eagle	Oct. 1936	0.61*	75,700	53,400	1,440	1,320
10. Fair Oaks	Dec. 1935	0.21	28,500	27,400	10,700 (2)	2,900
11. Fern	Dec. 1935	0.30	32,900	29,700	1,110 (2)	200
12. Floral, Upper	Mar. 1954	0.06	2,300	900	450	N
13. Floral, Lower	Mar. 1954	0.11 (8)	5,400	5,400	N	N
14. Gould	Dec. 1947	0.47	53,900	53,900	3,970 (2)	N
15. Haines (9)	June 1938	1.53	158,600	131,500	1,190 (7)	N
16. Halls	Nov. 1935	1.06* (10)	95,800	46,100	12,170 (2)	1,570
17 Harrow	Mar. 1959	0.43	88,300	88,300		N
18. Hay	Oct. 1936	0.20	39,800	34,700	N	N
19. Lannan	Mar. 1954	0.25	56,500	46,400	1,140 (2)	2,090
20. Las Flores	Apr. 1936	0.45	61,600	53,700	1,440 (3)	N
21. La Tuna	Feb. 1956	5.34	70,200	68,500	10,720	8,830
22. Lincoln	Jan. 1936	0.50	40,900	37,000	1,640	270
23. Maddock	Jan. 1955	0.25	29,900	29,900	N	6,570 (11)
24. May No. 1	Aug. 1953	0.70	67,100	62,900	2,220 (2)	1,220
25. May No. 2	Aug. 1953	0.09	6,700	6,700	N	240 (12)
26. McClure	Dec. 1953	0.62	109,800	90,900	3,160	19,560
27. Nichols	Nov. 1937	0.94	32,200	23,400	1,260	1,490
28. Paradise	Mar. 1952 (13)	0.47	14,800	11,900	2,250	150
29. Pickens	Nov. 1935	1.84*	116,500	58,900	5,070	750
30. Rowley	Jan. 1954	0.58	43,300	39,900	1,500	N

NAME	DATE OF COMPLETION	DRAINAGE AREA IN SQ. MILES#	MAX. DEBRIS CAPACITY CU. YDS.	CAPACITY AT BEGINNING OF 1958-59 SEASON	APPROXIMATE DEBRIS DEPOSITION 1957-58	DEBRIS CU. YDS. 1958-59
31. Ruby, Upper	Jan. 1954	0.21	15,000	12,700	210	N
32. Ruby, Lower	Dec. 1955	0.31 (8)	32,200	30,600	740	150
33. Scholl	Aug. 1945	0.66	30,900	26,500	640 (3)(4)	1,160
34. Shields	Jan. 1937	0.27*	46,900	41,200	800	5,430
35. Snover	Feb. 1937	0.23*	37,900	18,100	2,180 (4)	700
36. Sparr	Feb. 1947	0.84	15,300	12,300	3,030 (2)	N
37. Spinks	Feb. 1959	0.44	59,200	59,200	-	13,520
38. Stough	Oct. 1957 (14)	1.65	105,600	105,000	7,780 (6)	3,360
39. Turnbull	Jan. 1953	0.99	26,700	23,600	960	N
40. Ward, Upper	Nov. 1956	0.10*	11,800	11,800	5,190	2,820
41. Ward, Lower	Dec. 1944	0.54*	10,400	9,700	1,310 (4)	1,270
42. West Ravine	Dec. 1935	0.25	49,600	46,300	1,350 (6)	470
43. Wilbur Avenue	Jan. 1956 (15)	8.63	40,500	13,200	20,940	310
44. Zachau	Aug. 1956	0.35	37,200	35,800	1,380 (2)	N

NOTES

\# Uncontrolled
* See note (5) below
(N) Negligible amounts of debris deposited

(1) Basin was originally constructed in 1945 and enlarged in December 1954.
(2) Total for two seasons: 1956-58.
(3) Total for six seasons: 1952-58.
(4) Volume of debris deposited in basin does not include indeterminate amount sluiced through open ports or notch.
(5) Excludes 6.07 square miles of drainage area controlled by debris basins designated by *
(6) Total for three seasons: 1955-58.
(7) Total for four seasons: 1954-58.
(8) Includes drainage area tributary to upper debris basin.
(9) Owned and operated by the Corps of Engineers Department of the Army.
(10) Includes Webber Canyon.
(11) Total for three seasons: 1956-59.
(12) Total for six seasons: 1953-59.
(13) Basin was originally constructed in 1944; reconstruction of the basin was completed March 1952.
(14) Basin was originally constructed in 1941; reconstruction of the basin was completed October 1957.
(15) Basin was originally constructed in 1942; reconstruction of the basin was completed January 1956.

PURPOSE

Dams of the Los Angeles County Flood Control District serve two purposes, flood control, and water conservation. Debris dams and basins serve primarily the purpose of controlling detritus from their respective drainage areas.

OPERATION

The major portion of available storage capacity is kept in reserve during the winter season to enable the District to store or detain peak flood flows until valley runoff has receded sufficiently to allow the discharging of storm waters from the mountains. Proper flood control operation precludes any appreciable period of conservation storage during the storm season. Conservation of flood waters by percolation in natural channels and off-channel spreading grounds is accomplished by regulated releases of storm waters.

The conservation of inflows by sustained storage is usually commenced when the threat of the winter flood season is reasonably past. The stored water is then released in such a manner as to be used directly for irrigation or percolated to the ground water supply.

Reclaiming of valuable storage capacity is effected by sluicing from the District reservoirs to the limit of available and safe channel capacity below the dams when runoff and storage conditions permit.

The following tabulation shows the amount of debris removed from reservoirs by sluicing and excavation during the 1957-58 and 1958-59 seasons:

Dam	1957-58 Acre-feet	1958-59 Acre-feet
Big Tujunga	133 1/	
Devils Gate	20 2/	107 2/
Eaton	70 2/	92 2/
Pacoima	181 1/	
San Gabriel	790 1/	
Sawpit		39 (17 1/, 22 2/)
Thompson Creek		8 2/

RECORDS

The daily storage and flow records at fourteen of the District dams are summarized on the Dam Operation Record Sheets. The sheets show:

1. Reservoir water surface elevations based on spillway datum used for the design and construction of the dam. Water-stage recorder graphs or interpolation from staff gage readings are obtained and recorded as of midnight of each day.

2. Storage in acre-feet based on topographic surveys taken following important changes in reservoir beds. These changes consist primarily of debris inflow during large storms and debris removal by sluicing or mechanical means.

3. Inflows in cubic feet per second are usually calculated from storage change and known outflow. When outflow is not known, the inflow may be determined from gaging station records or interpolated between measurements.

4. Outflows in cubic feet per second are mean daily valve and or spillway discharge. These are determined from gaging station records, known valve openings and rating curves, or from storage change and known inflow.

1/ By sluicing
2/ By excavation

5. In some instances, total monthly and yearly evaporation and percolation losses have been computed and are indicated on the Dam Operation Records. Discrepancies between outflow and storage losses at certain dams were attributable to percolation and/or evaporation losses and are shown as total monthly and yearly losses. Total monthly evaporation losses are shown as determined from measurements made on floating evaporation pans. In those cases where no allowances were made for evaporation, the amounts are necessarily included in the flow values.

Accuracy of the flow records computed from storage records is dependent on the frequency with which storage data are revised to keep in step with physical change in reservoirs. Percentage of error is in direct proportion to the error in water surface areas through the range at which the flows were computed; normally, the error is small.

RESPONSIBILITY

The compilation of the Reservoir Records and assembly for publication during 1957-58 and 1958-59 was under the immediate supervision of R.E. Lindsay, Section Head, Reservoir and Runoff Record Section, assisted by F.E. Stunden and S.E. Blakely. The compilation of debris dam and debris basin records was under immediate direction of E.C. Kenyon, Section Head, Special Assignment Section.

Determination of storage and releases during both flood and normal periods, percolation flows for channels and spreading grounds, drawdown for sluicing operations, channel capacities and conditions, measuring inflows and outflows, and notification of parties affected by releases was under the direction of Finley B. Laverty, Chief, Hydraulic Division to May 1, 1958 and Chief, Water Conservation Division to February, 1959, and Assistant Chief Engineer subsequent to January 1959.

The operation and maintenance, such as mechanical operation of valves, maintenance and construction of various structures for dams, debris basins and spreading grounds, access thereto, and sluicing of reservoirs was under the supervision of R.D. Reeve, Chief, Operation and Maintenance Division.

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of PACOIMA Dam

In Pacoima Canyon for the Year Ending September 30, 19 58

Continuous Water Stage Recorder Au

Drainage Area 26.2 Square Miles. Capacity of Reservoir 4766.6 Ac. Ft. at Spillway Elev. 1950 Ft. as of October 1954 Gage Heights Read daily

Day	October Gage Height	October Acre Ft. Storage	October C.F.S. Inflow	October C.F.S. Outflow	November Gage Height	November Acre Ft. Storage	November C.F.S. Inflow	November C.F.S. Outflow	December Gage Height	December Acre Ft. Storage	December C.F.S. Inflow	December C.F.S. Outflow	January Gage Height	January Acre Ft. Storage	January C.F.S. Inflow	January C.F.S. Outflow	Day
1	1799.4	543	0.1	0	1802.0	680	0.3	0	1804.5	835	0.2	0	1817.7	1898	0.4	0	1
2	1799.4	543	0.1	0	1802.4	704	1.2	0	1804.5	835	0.1	0	1817.8	1908	0.4	0	2
3	1799.5	548	0.1	0	1802.6	715	0.6	0	1804.5	835	0.2	0	1817.9	1917	0.4	0	3
4	1799.5	546	0.1	0	1802.8	727	0.6	0	1804.6	842	0.2	0	1818.0	1927	0.4	0	4
5	1799.6	553	0.1	0	1802.9	733	0.3	0	1805.1	875	1.7	0	1818.0	1927	0.4	0	5
6	1799.6	553	0.1	0	1803.0	739	0.3	0	1805.2	882	0.4	0	1818.1	1937	0.4	0	6
7	1799.7	558	0.1	0	1803.1	745	0.3	0	1805.3	888	0.4	0	1818.2	1947	0.4	0	7
8	1799.8	562	0.1	0	1803.2	752	0.3	0	1805.3	888	0.3	0	1818.2	1947	0.4	0	8
9	1799.8	562	0.2	0	1803.3	758	0.3	0	1805.4	895	0.3	0	1818.3	1957	0.4	0	9
10	1799.9	567	0.2	0	1803.4	764	0.3	0	1805.4	895	0.2	0	1818.4	1967	0.4	0	10
11	1800.3	588	1.1	0	1803.5	770	0.3	0	1805.5	902	0.1	0	1818.5	1977	0.4	0	11
12	1800.4	593	0.2	0	1803.6	777	0.4	0	1805.5	902	0.1	0	1818.6	1987	0.3	0	12
13	1800.5	598	0.3	0	1803.7	783	0.3	0	1805.6	909	0.1	0	1818.6	1987	0.3	0	13
14	1800.7	606	0.5	0	1803.8	789	0.3	0	1805.7	916	0.1	0	1818.7	1997	0.3	0	14
15	1800.8	614	0.3	0	1803.9	796	0.4	0	1807.2	1020	5.3	0	1818.8	2007	0.3	0	15
16	1800.9	619	0.2	0	1804.0	802	0.3	0	1808.4	1108	4.4	0	1818.8	2007	0.3	0	16
17	1800.9	619	0.1	0	1804.0	802	0.3	0	1812.0	1388	14.1	0	1818.8	2007	0.3	0	17
18	1801.0	624	0.1	0	1804.1	809	0.3	0	1813.2	1489	5.1	0	1818.9	2017	0.3	0	18
19	1801.0	624	0.1	0	1804.2	815	0.2	0	1814.2	1576	4.4	0	1818.9	2017	0.3	0	19
20	1801.2	635	0.5	0	1804.3	822	0.2	0	1814.9	1637	3.1	0	1819.0	2027	0.3	0	20
21	1801.3	641	0.3	0	1804.4	828	0.2	0	1815.4	1682	2.3	0	1819.0	2027	0.3	0	21
22	1801.3	641	0.2	0	1804.4	828	0.1	0	1815.9	1727	2.2	0	1819.1	2037	0.3	0	22
23	1801.4	646	0.2	0	1804.4	828	0	0	1816.2	1755	1.4	0	1819.2	2048	0.3	0	23
24	1801.4	646	0.2	0	1804.4	828	0	0	1816.5	1783	1.4	0	1819.3	2058	0.6	0	24
25	1801.5	652	0.2	0	1804.4	828	0	0	1816.7	1802	1.0	0	1820.0	2131	3.7	0	25
26	1801.6	658	0.2	0	1804.4	828	0	0	1816.9	1821	1.0	0	1826.0	2825	34.9	0	26
27	1801.7	663	0.2	0	1804.4	828	0	0	1817.1	1840	0.9	0	1828.7	3177	17.8	0	27
28	1801.7	663	0.1	0	1804.4	828	0	0	1817.2	1849	0.5	0	1830.5	3424	12.4	0	28
29	1801.8	669	0.1	0	1804.4	828	0	0	1817.4	1869	1.0	0	1831.9	3624	10.1	0	29
30	1801.8	669	0.1	0	1804.4	828	0	0	1817.5	1878	0.4	0	1833.0	3785	8.1	0	30
31	1801.9	674	0.2	0					1817.6	1888	0.5	0	1833.9	3921	6.9		31
TOTAL			6.6	0			7.8	0			5.3.4	0			102.5	0	
Inf. Ac. Ft.			13.1				15.5				105.9				203.3	337.8	
Outf. Ac. Ft.			0				0				0				0	0	
Maximum Mean Daily Inflow			1.1				1.2				14.1				34.9	34.9	
Minimum Mean Daily Inflow			0.1				0				0.1				0.3	0	
Storage Change		+13.1				+15.4				+106.0				+203.3		-337.8	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1939.7	feet on	4/19	Storage	4139.1	Acre Feet			
Min. W. S. Elev.	1754.3	feet on	VAR. DAYS	Storage	0	Acre Feet			
Max. Peak Inf.	1180.	C. F. S. from	10:00 AM on	4/3	to	11:00 AV on	4/3		
Max. Peak Outf.	420.	C. F. S. from	8:00 AM on	2/5	to	10:00 AM on	2/5		

RECORDS COLLECTED BY: E. K. BARR — Dam Tender; J. R. HYDE — Hydrographer; Hydrographer

COMPUTATIONS	ckd.	Date
Gage Hts. copied	TS	RP
Storage applied	TS	RP
Inf. & Outf. comp.	TS	RP

REMARKS (INDICATES AVERAGE FOR PERIOD

76D138N-68B Gib 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of PACOIMA Dam

In Pacoima Canyon for the Year Ending September 30, 19 58

Continuous Water Stage Recorder Au

Drainage Area 26.2 Square Miles. Capacity of Reservoir 4766.6 Ac. Ft. at Spillway Elev. 1950 Ft. as of October 1954 Gage Heights Read daily

Day	February Gage Height	February Acre Ft. Storage	February C.F.S. Inflow	February C.F.S. Outflow	March Gage Height	March Acre Ft. Storage	March C.F.S. Inflow	March C.F.S. Outflow	April Gage Height	April Acre Ft. Storage	April C.F.S. Inflow	April C.F.S. Outflow	May Gage Height	May Acre Ft. Storage	May C.F.S. Inflow	May C.F.S. Outflow	Day
1	1834.7	4043	6.2	0		0	40.2	47.0	1871.8	11965	392.3	76.	1917.7	2933.2	32.0	105	1
2	1835.6	4183	7.0	0		0	35.0	35.0	1887.3	12668.7	321.0	83.	1913.5	2736.8	31.0	130	2
3	1843.1	5449	63.8	0		0	10.4	10.4	1917.8	12927.4	713.6	79.	1907.5	2475.0	30.0	162	3
4	1862.7	9613	210.0	0	1780.4	8.6	35.3	31.0	1928.8	13506.6	448.1	156.	1901.2	2209.2	28.0	162	4
5	1855.1	7858	115.5	20.4		0	12.3	16.6	1928.4	13484.5	321.6	333.	1892.6	1891.9	26.0	186	5
6	1848.1	6403	64.6	13.8		0	6.7	6.7	1927.2	13418.6	244.8	278.	1882.4	1562.6	24.0	190	6
7	1851.6	7115	46.5	10.6		0	4.5	4.5	1926.6	13385.8	220.4	237.	1871.1	1245.3	22.0	182	7
8	1853.2	7451	35.2	18.2		0	17.8	17.8	1928.0	13462.4	132.7	144	1858.2	937.8	21.0	176	8
9	1853.6	7536	27.3	23		0	17.5	17.5	1931.0	13629.5	166.2	82.	1847.1	709.7	23.0	138	9
10	1854.8	7793	23.9	11.0		0	13.5	13.5	1933.0	13743.3	140.4	83.	1836.8	513.4	20.0	119	10
11	1856.5	8166	18.8	+		0	28.0	25.0	1934.5	13830.0	126.7	83.	1818.5	271.4	20.0	142	11
12	1858.1	8526	18.3	0.1		0	15.0	15.0	1935.5	13885.5	112.5	83.		43.3	20.0	135	12
13	1859.5	8848	16.3	0.1		0	14.0	14.0	1936.3	13935.6	102.7	79		0	9.2	31.0	13
14	1860.7	9130	14.3	0.1		0	22.0	22.0	1937.1	13983.1	93.0	69			25.0	25.0	14
15	1861.8	9394	13.3	+	1790.0	22.2	19.5	8.3	1938.1	14042.8	85.1	55.			22.0	22.0	15
16	1862.7	9613	11.1	0	1821.5	229.3	142.4	38.0	1938.8	14084.9	76.2	55.			19.0	19.0	16
17	1863.6	9835	11.2	0	1819.4	206.9	95.7	107.0	1939.3	14115.0	70.2	55.			17.0	17.0	17
18	1864.4	10036	10.1	0	1813.2	148.9	74.8	104.0	1939.7	14139.1	68.1	56.			16.0	16.0	18
19	1862.2	9491	48.5	76	1808.7	113.0	66.9	85.0	1939.7	14139.1	58.0	58.			16.0	16.0	19
20	1834.7	4043	25.4	300	1813.8	154.1	63.7	43.0	1939.6	14133.1	55.0	58.			16.0	16.0	20
21	1825.1	2713	26.9	94	1817.2	184.9	67.5	52.0	1939.4	14121.0	50.9	37.			15.0	15.0	21
22	1808.5	1115	18.4	99	1830.9	348.0	145.2	63.0	1939.2	14108.9	46.9	53.			15.0	15.0	22
23	1787.4	169	10.3	58	1838.4	463.3	97.2	39.0	1938.1	14042.8	44.7	78.			14.0	14.0	23
24	1769.0	20.0	24.6	23	1838.0	456.7	89.6	93.0	1936.2	13929.7	38.0	95.			14.0	14.0	24
25	1769.5	21.1	36.6	36	1837.1	442.1	78.7	86.0	1934.0	13800.9	36.0	101.			12.9	12.9	25
26	1783.4	112	19.0	24	1840.0	490.1	71.2	47.0	1931.6	13663.5	41.8	111			11.2	11.2	26
27	1782.5	103	26.5	27	1845.2	564.0	81.3	34.0	1929.1	13523.2	39.2	110			10.0	10.0	27
28	1785.3	135	44.6	43	1846.3	605.0	70.6	60.0	1926.4	13374.9	34.2	109			10.0	10.0	28
29					1846.3	605.0	63.0	63.0	1923.6	13224.1	36.0	112.			9.8	9.8	29
30					1845.6	591.6	61.3	68.0	1920.8	13078.0	35.4	109			9.4	9.4	30
31					1844.4	569.0	59.6	71.0						0	9.1	9.1	31
TOTAL			994.2	1185.1			1617.4	1337.3			4401.9	3137			567.6	2119.4	
Inf. Ac. Ft.			1972.0				3208.1				8731.0				1125.8	15374.7	
Outf. Ac. Ft.			2350.6				2652.5				6222.1				4203.8	15429.0	
Maximum Mean Daily Inflow			210.0				145.2				713.6				32.0	713.6	
Minimum Mean Daily Inflow			6.2				4.5				34.2				9.1	0	
Storage Change		-378.6				+555.5				+2509.0				-3078.0		-543	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1939.7	feet on	4/19	Storage	4139.1	Acre Feet			
Min. W. S. Elev.	1754.3	feet on	VAR. DAYS	Storage	0	Acre Feet			
Max. Peak Inf.	1180	C. F. S. from	10:00 A.M. on	4/3	to	11:00 A.M. on	4/3		
Max. Peak Outf.	420	C. F. S. from	8:00 A.M. on	2/5	to	10:00 A.M. on	2/5		

RECORDS COLLECTED BY: E.K. BARR — Dam Tender; J.R. HYDE — Hydrographer; Hydrographer

COMPUTATIONS	ckd.	Date
Gage Hts. copied	RP	TS
Storage applied	RP	TS
Inf. & Outf. comp.	RP	TS

REMARKS * COMPUTED STORAGE VALUES

76D138N-68B Gib 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of PACOIMA Dam

In ~~On~~ Pacoima Canyon for the Year Ending September 30, 1958

1651.0 1956

Drainage Area 28.2 Square Miles. Capacity of Reservoir 1786.6 Ac. Ft. at Spillway Elev. 1950 Ft. as of October 1954

Continuous Water Stage Recorder Au

Gage Heights Read daily

Day	June Gage Height	June Acre Ft. Storage	June C.F.S. Inflow	June C.F.S. Outflow	July Gage Height	July Acre Ft. Storage	July C.F.S. Inflow	July C.F.S. Outflow	August Gage Height	August Acre Ft. Storage	August C.F.S. Inflow	August C.F.S. Outflow	September Gage Height	September Acre Ft. Storage	September C.F.S. Inflow	September C.F.S. Outflow	Day
1		0	8.8	8.8	1816.6	222.8	2.4	0	1821.6	272.0	0.9	4.1	1805.7	132.9	0.6	2.8	1
2		0	8.6	8.6	1817.0	226.5	1.8	0	1821.1	266.8	1.0	3.6	1805.1	128.8	0.7	2.8	2
3		0	8.3	8.3	1817.5	231.2	2.4	0	1820.5	260.6	0.5	3.6	1800.5	124.8	0.8	2.8	3
4		0	8.2	8.2	1817.9	235.0	1.9	0	1820.0	255.6	1.1	3.6	1803.9	120.8	0.8	2.8	4
5	STRUCTURE	0	8.3	8.3	1818.3	238.9	2.0	0	1819.5	250.6	0.5	3.1	1803.2	116.2	0.4	2.7	5
6	1771.7	8.0	6.8	2.7	1818.7	242.8	2.0	0	1819.1	246.7	0.9	2.8	1802.5	111.8	0.5	2.7	6
7	1780.0	20.6	6.3	+	1819.0	245.7	1.4	0	1818.7	242.8	0.8	2.8	1801.9	108.0	0.8	2.7	7
8	1785.9	34.1	6.8	0	1819.3	248.7	1.5	0	1818.4	237.0	0	2.6	1801.3	104.3	0.8	2.7	8
9	1790.2	48.4	7.2	0	1819.6	251.6	1.5	0	1817.7	233.2	0.8	2.8	1800.6	100.1	0.6	2.7	9
10	1793.2	61.0	6.4	0	1819.7	252.6	0.5	0	1817.2	228.4	0.3	2.8	1800.0	96.6	0.9	2.7	10
11	1795.9	74.1	6.6	0	1819.9	254.6	1.0	0	1816.7	223.7	0.5	2.8	1799.2	92.0	0.3	2.6	11
12	1798.3	87.0	6.5	0	1820.0	255.6	0.5	0	1816.2	219.1	0.5	2.8	1798.3	87.0	0.1	2.6	12
13	1800.5	99.6	6.3	0	1820.2	257.6	1.0	0	1815.2	215.4	0.9	2.8	1797.5	82.6	0.4	2.6	13
14	1802.2	109.9	5.2	0	1820.4	259.6	1.0	0	1815.3	210.8	0.5	2.8	1796.8	78.8	0.6	2.6	14
15	1803.8	120.1	5.2	0	1820.5	260.6	0.5	0	1814.8	206.3	0.5	2.8	1796.0	74.6	0.8	2.6	15
16	1805.2	129.5	4.7	0	1820.7	262.7	1.1	0	1814.3	201.9	0.6	2.8	1795.2	70.6	0.6	2.6	16
17	1806.5	138.6	4.6	0	1820.8	263.7	0.5	0	1813.8	197.4	0.5	2.8	1794.3	66.2	0.4	2.6	17
18	1807.6	146.6	4.0	0	1821.0	265.7	1.0	0	1813.3	193.0	0.6	2.8	1793.4	62.0	0.5	2.6	18
19	1808.7	155.0	4.3	0	1821.1	266.8	0.6	0	1812.8	188.7	0.6	2.8	1792.5	57.9	0.5	2.6	19
20	1809.6	162.1	3.5	0	1821.3	268.8	1.0	0	1812.3	184.4	0.7	2.8	1792.0	55.7	0.6	1.7	20
21	1810.5	169.4	3.7	0	1821.4	269.9	0.5	0	1811.8	180.2	0.6	2.8	1792.2	56.6	0.5	+	21
22	1811.4	176.9	3.8	0	1821.6	272.0	1.1	0	1811.3	176.0	0.7	2.8	1792.4	57.5	0.4		22
23	1812.2	183.6	3.4	0	1821.7	273.0	0.5	0	1810.8	171.9	0.8	2.8	1792.6	58.3	0.4		23
24	1812.9	189.6	3.0	0	1821.8	274.1	0.5	0	1810.3	167.8	0.7	2.8	1792.8	59.2	0.5		24
25	1813.7	196.6	3.5	0	1822.0	276.2	1.1	0	1809.7	162.9	0.3	2.8	1793.1	60.6	0.7		25
26	1814.3	201.9	2.7	0	1822.1	277.3	0.5	0	1809.2	158.9	0.8	2.8	1793.3	61.5	0.4		26
27	1814.8	206.3	2.2	0	1822.2	278.3	0.6	0	1808.6	154.2	0.4	2.8	1793.4	62.0	0.3		27
28	1815.3	210.8	2.3	0	1822.3	279.4	0.5	0	1808.0	149.6	0.5	2.8	1793.6	62.9	0.4		28
29	1815.7	214.5	1.9	0	1822.4	280.5	0.6	0	1807.4	145.2	0.6	2.8	1793.7	63.4	0.3		29
30	1816.1	218.1	1.8	0	1822.5	281.6	0.5	0	1806.9	141.5	0.9	2.8	1793.9	64.3	0.4	+	30
31					1822.2	278.3	1.4	3.0	1806.3	137.2	0.7	2.8					31
TOTAL			134.9	44.9			33.4	3.0			19.7	90.8			15.7	52.5	
Inf. Ac. Ft.			307.2				66.2				39.1				31.1	15818.4	
Outf. Ac. Ft.			89.1				60				180.1				104.1	15808.3	
Maximum Mean Daily Inflow			8.8				2.4				1.1				0.9	713.6	
Minimum Mean Daily Inflow			1.8				0.5				0.3				0.1	0	
Storage Change		+218.1				+60.2				-141.1				-72.9		+10.	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1939.7	feet	on	4/19	Storage	4139.1	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	1754.3	feet	on	VAR. DAYS	Storage	0	Acre Feet	E.K. BARR	Dam Tender	Gage Hts. copied	TS RP
Max. Peak Inf.	1180.	C.F.S. from	10:00 A.M.	on	4/3	to	11:00 A.M.	on	4/3	J.R. HYDE	Hydrographer	Storage applied	TS RP
Max. Peak Outf.	420.	C.F.S. from	8:00 A.M.	on	2/5	to	10:00 A.M.	on	2/5		Hydrographer	Inf. & Outf. comp.	TS RP

REMARKS

76D138N-68B Gib 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of PACOIMA Dam

In ~~On~~ Pacoima Canyon for the Year Ending September 30, 1959

1651.0 1956

Drainage Area 28.2 Square Miles. Capacity of Reservoir 1651.0 Ac. Ft. at Spillway Elev. 1950.0 Ft. as of June 1959

Continuous Water Stage Recorder Au

Gage Heights Read daily

Day	October Gage Height	October Acre Ft. Storage	October C.F.S. Inflow	October C.F.S. Outflow	November Gage Height	November Acre Ft. Storage	November C.F.S. Inflow	November C.F.S. Outflow	December Gage Height	December Acre Ft. Storage	December C.F.S. Inflow	December C.F.S. Outflow	January Gage Height	January Acre Ft. Storage	January C.F.S. Inflow	January C.F.S. Outflow	Day
1	1794.0	64.8	0.3	0	1797.4	82.1	0.2	0	1799.1	91.4	0.1	0	1800.8	101.3	0.2	0	1
2	1794.2	65.8	0.3	0	1797.4	82.1	0.2	0	1799.2	92.0	0.1	0	1800.9	101.9	0.2	0	2
3	1794.3	66.2	0.3	0	1797.5	82.6	0.2	0	1799.2	92.0	0.1	0	1800.9	101.9	0.1	0	3
4	1794.4	66.7	0.3	0	1797.5	82.6	0.2	0	1799.2	92.0	0.1	0	1801.0	102.5	0.1	0	4
5	1794.5	67.2	0.3	0	1797.6	83.1	0.2	0	1799.2	92.0	0.1	0	1801.2	103.7	0.6	0	5
6	1794.6	67.7	0.3	0	1797.7	83.7	0.2	0	1799.3	92.5	0.1	0	1805.1	128.8	12.7	0	6
7	1794.7	68.2	0.3	0	1797.7	83.7	0.2	0	1799.3	92.5	0.1	0	1805.2	129.5	0.4	0	7
8	1794.9	69.1	0.3	0	1797.8	84.2	0.2	0	1799.4	93.1	0.1	0	1805.2	129.5	0.4	0	8
9	1795.0	69.6	0.3	0	1797.8	84.2	0.2	0	1799.4	93.1	0.1	0	1805.3	130.2	0.4	0	9
10	1795.1	70.1	0.3	0	1797.9	84.8	0.2	0	1799.5	93.7	0.2	0	1805.4	130.9	0.4	0	10
11	1795.3	71.1	0.3	0	1797.9	84.8	0.2	0	1799.6	94.3	0.2	0	1805.5	131.6	0.4	0	11
12	1795.4	71.6	0.3	0	1798.0	85.3	0.2	0	1799.6	94.3	0.2	0	1805.6	132.2	0.4	0	12
13	1795.5	72.1	0.3	0	1798.0	85.3	0.2	0	1799.7	94.9	0.2	0	1805.7	132.9	0.4	0	13
14	1795.6	72.6	0.3	0	1798.1	85.8	0.2	0	1799.7	94.9	0.2	0	1805.9	134.3	0.3	0	14
15	1795.7	73.1	0.3	0	1798.1	85.8	0.2	0	1799.8	95.4	0.2	0	1806.0	135.0	0.3	0	15
16	1795.9	74.1	0.3	0	1798.2	86.4	0.2	0	1799.8	95.4	0.2	0	1806.0	135.0	0.3	0	16
17	1795.9	74.1	0.3	0	1798.3	87.0	0.2	0	1799.9	96.0	0.2	0	1806.1	135.7	0.3	0	17
18	1796.0	74.6	0.3	0	1798.4	87.5	0.1	0	1799.9	96.0	0.2	0	1806.2	136.4	0.3	0	18
19	1796.0	74.6	0.3	0	1798.4	87.5	0.1	0	1799.9	96.0	0.2	0	1806.3	137.2	0.3	0	19
20	1796.1	75.1	0.3	0	1798.5	88.0	0.1	0	1800.0	96.6	0.2	0	1806.4	137.9	0.3	0	20
21	1796.2	75.7	0.3	0	1798.5	88.0	0.1	0	1800.0	96.6	0.2	0	1806.5	138.6	0.3	0	21
22	1796.3	76.2	0.3	0	1798.6	88.6	0.1	0	1800.1	97.2	0.2	0	1806.6	139.3	0.3	0	22
23	1796.4	76.7	0.3	0	1798.7	89.2	0.1	0	1800.2	97.8	0.2	0	1806.7	140.0	0.3	0	23
24	1796.5	77.2	0.3	0	1798.7	89.2	0.1	0	1800.2	97.8	0.2	0	1806.8	140.8	0.3	0	24
25	1796.7	78.3	0.3	0	1798.8	89.7	0.1	0	1800.3	98.4	0.2	0	1806.9	141.5	0.3	0	25
26	1796.8	78.6	0.2	0	1798.8	89.7	0.1	0	1800.4	99.0	0.2	0	1807.0	142.2	0.3	0	26
27	1796.9	79.4	0.2	0	1798.9	90.2	0.1	0	1800.5	99.6	0.2	0	1807.1	142.9	0.3	0	27
28	1797.0	79.9	0.2	0	1798.9	90.2	0.1	0	1800.5	99.6	0.2	0	1807.2	143.7	0.3	0	28
29	1797.1	80.4	0.2	0	1799.0	90.8	0.1	0	1800.6	100.1	0.2	0	1807.3	144.4	0.3	0	29
30	1797.2	81.0	0.2	0	1799.0	90.8	0.1	0	1800.7	100.7	0.2	0	1807.3	144.4	0.3	0	30
31	1797.3	81.5	0.2	0					1800.8	101.3	0.2	0	1807.4	145.2	0.3	0	31
TOTAL			8.7	0			4.7	0			5.3	0			22.1	0	
Inf. Ac. Ft.			173				93				105				438	809	
Outf. Ac. Ft.			0				0				0				0	0	
Maximum Mean Daily Inflow			0.3				0.2				0.2				12.7	12.7	
Minimum Mean Daily Inflow			0.2				0.1				0.1				0.1	0	
Storage Change		+172				+93				+105				+439		+809	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1853.7	feet	on	VARIOUS DAYS	Storage	769.4	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	1794.0	feet	on	10/1/58	Storage	64.8	Acre Feet	E.K. BARR	Dam Tender	Gage Hts. copied	HRW TS
Max. Peak Inf.	184.0	C.F.S. from	4:00 A.M.	on	1/6/59	to	4:15 A.M.	on	1/6/59	J.R. HYDE	Hydrographer	Storage applied	RAP TS
Max. Peak Outf.	242.0	C.F.S. from	8:30 A.M.	on	6/18/59	to	8:40 A.M.	on	6/18/59		Hydrographer	Inf. & Outf. comp.	TS RAP

REMARKS (INDICATES AVERAGE FOR PERIOD

76D138N-68B Glb 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of PACOIMA Dam

In Pacoima Canyon for the Year Ending September 30, 19 59

Continuous Water Stage Recorder Au

Drainage Area 28.2 Square Miles. Capacity of Reservoir 4651.0 Ac. Ft. at Spillway Elev. 1950.0 Ft. as of June 19 58 Gage Heights Read daily

Day	February Gage Height	February Acre Ft. Storage	February C.F.S. Inflow	February C.F.S. Outflow	March Gage Height	March Acre Ft. Storage	March C.F.S. Inflow	March C.F.S. Outflow	April Gage Height	April Acre Ft. Storage	April C.F.S. Inflow	April C.F.S. Outflow	May Gage Height	May Acre Ft. Storage	May C.F.S. Inflow	May C.F.S. Outflow	Day
1	1807.5	145.9	0.4	0	1843.8	582.8	3.5	0	1850.6	707.4	1.0	0	1852.7	748.9	0.3	0	1
2	1807.6	146.6	0.3	0	1844.2	589.8	3.5	0	1850.7	709.3	1.0	0	1852.8	751.0	0.3	0	2
3	1807.7	147.4	0.4	0	1844.6	596.8	3.5	0	1850.8	711.2	1.0	0	1852.8	751.0	0.3	0	3
4	1807.8	148.1	0.4	0	1845.0	603.8	3.5	0	1850.9	713.2	1.0	0	1852.9	753.0	0.3	0	4
5	1807.9	148.9	0.4	0	1845.3	609.2	2.8	0	1851.0	715.1	0.9	0	1852.9	753.0	0.3	0	5
6	1808.0	149.6	0.3	0	1845.6	614.5	2.8	0	1851.1	717.1	0.6	0	1852.9	753.0	0.3	0	6
7	1808.1	150.4	0.4	0	1845.9	619.9	2.7	0	1851.2	719.0	0.6	0	1853.0	755.0	0.3	0	7
8	1808.8	155.8	2.7	0	1846.3	627.1	2.7	0	1851.3	721.0	0.6	0	1853.0	755.0	0.3	0	8
9	1808.9	156.5	0.4	0	1846.6	632.6	2.7	0	1851.3	721.0	0.6	0	1853.0	755.0	0.3	0	9
10	1809.1	158.1	0.8	0	1846.8	636.2	2.7	0	1851.4	723.0	0.5	0	1853.0	755.0	0.3	0	10
11	1815.9	216.3	29.3	0	1847.1	641.6	2.3	0	1851.4	723.0	0.5	0	1853.0	755.0	0.3	0	11
12	1819.8	253.6	18.9	0	1847.3	645.3	2.2	0	1851.4	723.0	0.5	0	1853.0	755.0	0.3	0	12
13	1821.6	272.0	9.2	0	1847.6	650.8	2.2	0	1851.5	725.0	0.5	0	1853.1	757.1	0.3	0	13
14	1822.7	283.7	5.9	0	1847.8	654.5	2.2	0	1851.5	725.0	0.5	0	1853.1	757.1	0.3	0	14
15	1823.6	293.6	5.0	0	1848.0	658.2	2.2	0	1851.5	725.0	0.5	0	1853.1	757.1	0.3	0	15
16	1827.4	337.9	22.4	0	1848.2	661.9	1.7	0	1851.5	725.0	0.5	0	1853.2	759.1	0.3	0	16
17	1831.6	392.6	27.5	0	1848.4	665.7	1.7	0	1851.6	726.9	0.5	0	1853.2	759.1	0.3	0	17
18	1833.8	423.5	15.6	0	1848.6	669.4	1.7	0	1851.7	728.9	0.5	0	1853.2	759.1	0.3	0	18
19	1835.4	447.1	11.9	0	1848.8	673.2	1.7	0	1851.8	730.9	0.5	0	1853.2	759.1	0.3	0	19
20	1836.6	465.2	9.1	0	1848.9	675.0	1.7	0	1851.8	730.9	0.5	0	1853.2	759.1	0.3	0	20
21	1838.1	488.4	11.7	0	1849.1	678.8	1.6	0	1851.9	732.8	0.5	0	1853.3	761.2	0.3	0	21
22	1839.3	507.5	9.7	0	1849.2	680.7	1.5	0	1851.9	732.8	0.5	0	1853.3	761.2	0.2	0	22
23	1840.2	522.1	7.3	0	1849.4	684.5	1.5	0	1852.0	734.8	0.5	0	1853.3	761.2	0.2	0	23
24	1841.1	537.0	7.5	0	1849.6	688.2	1.5	0	1852.0	734.8	0.5	0	1853.4	763.2	0.2	0	24
25	1841.8	548.7	5.9	0	1849.7	690.1	1.5	0	1852.3	740.9	3.1	0	1853.4	763.2	0.2	0	25
26	1842.4	558.8	5.1	0	1849.9	693.9	1.3	0	1852.5	744.9	2.0	0	1853.4	763.2	0.2	0	26
27	1842.9	567.3	4.3	0	1850.0	695.8	1.3	0	1852.5	744.9	0.5	0	1853.4	763.2	0.2	0	27
28	1843.4	575.9	4.3	0	1850.2	699.7	1.3	0	1852.6	746.9	0.5	0	1853.5	765.3	0.2	0	28
29					1850.3	701.6	1.3	0	1852.6	746.9	0.5	0	1853.5	765.3	0.2	0	29
30					1850.5	705.4	1.3	0	1852.7	748.9	0.5	0	1853.5	765.3	0.2	0	30
31					1850.5	705.4	1.2	0					1853.5	765.3	0.2	0	31
TOTAL			217.1	0			65.3	0			21.9	0			8.3	0	
Inf. Ac. Ft.			430.6				129.5				43.4				16.5	7.09	
Outf. Ac. Ft.			0				0				0				0		
Maximum Mean Daily Inflow			29.3				3.5				3.1				0.3	29.3	
Minimum Mean Daily Inflow			0.3				1.2				0.5				0.2	0	
Storage Change		+430.7				+129.5				+43.5				+16.4		+701.0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1853.7	feet	on	VARIOUS DAYS	Storage	769.4	Acre Feet		RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1794.0	feet	on	10/1/58	Storage	64.8	Acre Feet		E.K. BARR	Dam Tender	Gage Hts. copied	RAP TS	
Max. Peak Inf.	184.0	C.F.S. from	4:00 A.M.	on 1/6/59	to	4:15 A.M.	on	1/6/59	J.R. HYDE	Hydrographer	Storage applied	RAP TS	
Max. Peak Outf.	242.0	C.F.S. from	8:30 A.M.	on 6/18/59	to	8:40 A.M.	on	6/18/59		Hydrographer	Inf. & Outf. comp.	TS RAP	

REMARKS ( ) INDICATES AVERAGE FOR PERIOD

76D138N-68B Glb 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of PACOIMA Dam

In Pacoima Canyon for the Year Ending September 30, 19 59

Continuous Water Stage Recorder Au

Drainage Area 28.2 Square Miles. Capacity of Reservoir 4651.0 Ac. Ft. at Spillway Elev. 1950.0 Ft. as of June 19 58 Gage Heights Read Daily

Day	June Gage Height	June Acre Ft. Storage	June C.F.S. Inflow	June C.F.S. Outflow	July Gage Height	July Acre Ft. Storage	July C.F.S. Inflow	July C.F.S. Outflow	August Gage Height	August Acre Ft. Storage	August C.F.S. Inflow	August C.F.S. Outflow	September Gage Height	September Acre Ft. Storage	September C.F.S. Inflow	September C.F.S. Outflow	Day
1	1853.6	767.4	0.1	0	1852.8	751.0	0.4	3.8	1842.4	558.8	0.3	3.5	1827.2	335.5	0.5	4.2	1
2	1853.6	767.4	0.1	0	1852.4	742.9	0.4	5.0	1842.0	552.0	0.3	3.5	1826.6	328.2	0.5	4.2	2
3	1853.6	767.4	0.1	0	1852.1	736.8	0.4	3.7	1841.6	545.3	0.3	3.5	1826.0	321.0	0.5	4.2	3
4	1853.6	767.4	0.1	0	1851.8	730.9	0.4	2.6	1841.3	540.3	0.3	3.5	1825.3	312.8	0.5	4.2	4
5	1853.6	767.4	0.1	0	1851.6	726.9	0.4	2.6	1840.9	533.6	0.3	3.5	1824.7	305.9	0.5	4.1	5
6	1853.6	767.4	0.1	0	1851.4	723.0	0.4	2.6	1840.5	527.0	0.3	3.5	1824.0	298.0	0.5	4.1	6
7	1853.6	767.4	0.1	0	1851.1	717.1	0.4	3.3	1840.1	520.4	0.3	3.5	1823.4	291.3	0.5	4.1	7
8	1853.6	767.4	0.1	0	1850.8	711.2	0.4	3.6	1839.8	515.6	0.3	3.5	1822.8	284.8	0.5	4.1	8
9	1853.6	767.4	0.1	0	1850.4	703.5	0.4	3.6	1839.3	507.5	0.3	3.5	1822.1	277.3	0.5	4.1	9
10	1853.7	769.4	0.1	0	1850.1	697.7	0.4	3.6	1839.0	502.7	0.3	3.5	1821.5	271.0	0.5	4.0	10
11	1853.7	769.4	0.1	0	1849.7	690.1	0.4	3.6	1838.5	494.8	0.3	3.9	1820.8	263.7	0.5	4.0	11
12	1853.7	769.4	0.1	0	1849.4	684.5	0.4	3.6	1838.0	486.8	0.3	4.3	1820.2	257.6	0.5	4.0	12
13	1853.7	769.4	0.1	0	1849.0	676.9	0.4	3.6	1837.6	480.6	0.3	4.3	1819.6	251.6	0.5	4.0	13
14	1853.7	769.4	0.1	0	1848.7	671.3	0.4	3.6	1837.1	472.8	0.3	4.3	1818.8	243.8	0.5	4.0	14
15	1853.7	769.4	0.1	0	1848.4	665.7	0.4	3.6	1836.6	465.2	0.4	4.3	1818.1	237.0	0.6	4.0	15
16	1853.7	769.4	0.1	0	1848.0	658.2	0.4	3.6	1836.1	457.5	0.4	4.2	1817.4	230.3	0.6	4.0	16
17	1853.7	769.4	0.1	0	1847.7	652.7	0.4	3.6	1835.6	450.0	0.4	4.2	1816.7	223.7	0.6	4.0	17
18	1853.2	759.1	0.1	5.7	1847.3	645.3	0.4	3.5	1835.1	442.6	0.4	4.2	1815.9	216.3	0.6	4.0	18
19	1853.2	759.1	0.1	0	1847.0	639.8	0.4	3.5	1834.6	435.2	0.4	4.2	1815.2	209.9	0.6	3.9	19
20	1853.2	759.1	0.1	0	1846.7	634.4	0.4	3.5	1834.1	427.9	0.4	4.2	1814.5	203.6	0.6	3.9	20
21	1853.2	759.1	0.1	0	1846.3	627.1	0.3	3.5	1833.5	419.2	0.4	4.2	1813.7	196.6	0.6	3.9	21
22	1853.2	759.1	0.1	0	1846.0	621.7	0.3	3.5	1832.9	410.7	0.4	4.2	1813.0	190.4	0.6	3.8	22
23	1853.2	759.1	0.05	0	1845.6	614.5	0.3	3.6	1832.4	403.7	0.4	4.2	1812.3	184.4	0.6	3.8	23
24	1853.2	759.1	0.05	0	1845.3	609.2	0.3	3.6	1831.9	396.7	0.4	4.2	1811.5	177.7	0.6	3.8	24
25	1853.2	759.1	0.05	0	1844.9	602.0	0.3	3.6	1831.4	389.9	0.4	4.2	1810.7	171.0	0.6	3.8	25
26	1853.2	759.1	0.05	0	1844.6	596.8	0.3	3.5	1830.8	381.7	0.4	4.2	1809.9	164.5	0.6	3.8	26
27	1853.2	759.1	0.05	0	1844.2	589.8	0.3	3.5	1830.2	373.8	0.4	4.2	1809.1	158.1	0.6	3.8	27
28	1853.2	759.1	0.05	0	1843.8	582.8	0.3	3.5	1829.6	365.9	0.4	4.2	1808.3	151.9	0.6	3.7	28
29	1853.2	759.1	0.05	0	1843.5	577.6	0.3	3.5	1829.0	358.0	0.4	4.2	1807.5	145.9	0.6	3.7	29
30	1853.2	759.1	0.05	0	1843.1	570.7	0.3	3.5	1828.4	350.4	0.4	4.2	1806.7	140.0	0.6	3.6	30
31					1842.8	565.6	0.3	3.5	1827.8	342.8	0.4	4.2					31
TOTAL			2.60	5.7			11.3	108.9			11.0	123.3			16.6	118.8	
Inf. Ac. Ft.			5.2				22.4				21.8				32.9	783.2	
Outf. Ac. Ft.			11.3				216.0				244.6				235.6	707.5	
Maximum Mean Daily Inflow			0.1				0.4				0.4				0.6	29.3	
Minimum Mean Daily Inflow			0.05				0.3				0.3				0.5	0	
Storage Change		-6.2				-193.5				-222.8				-202.8		+75.7	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1853.7	feet	on	VARIOUS DAYS	Storage	769.4	Acre Feet		RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1794.0	feet	on	10-1-58	Storage	64.8	Acre Feet		E.K. BARR	Dam Tender	Gage Hts. copied	HRW TS	
Max. Peak Inf.	184.0	C.F.S. from	4:00 A.M.	on 1/6/59	to	4:15 A.M.	on	1/6/59	J.R. HYDE	Hydrographer	Storage applied	RAP TS	
Max. Peak Outf.	242.0	C.F.S. from	8:30 A.M.	on 6/18/59	to	8:40 A.M.	on	6/18/59		Hydrographer	Inf. & Outf. comp.	TS RAP	

REMARKS ( ) INDICATES AVERAGE FOR PERIOD

76D138N-68B Glb 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of BIG TUJUNGA Dam

In ~~On~~ Big Tujunga Canyon for the Year Ending September 30, 1958

Drainage Area 82.3 Square Miles. Capacity of Reservoir 4099.2 Ac. Ft. at Spillway Elev. 2290 Ft. as of October 1953

Continuous Water Stage Recorder Au

Gage Heights Read daily

Day	October Gage Height	October Acre Ft. Storage	October C.F.S. Inflow	October C.F.S. Outflow	November Gage Height	November Acre Ft. Storage	November C.F.S. Inflow	November C.F.S. Outflow	December Gage Height	December Acre Ft. Storage	December C.F.S. Inflow	December C.F.S. Outflow	January Gage Height	January Acre Ft. Storage	January C.F.S. Inflow	January C.F.S. Outflow	Day
1	2197.2	314.9	0.7	6.5	2170.5	65.5	0.9	+	2176.0	100.4	0.4	+	2216.8	623.5	3.7	0.4	1
2	2196.3	303.6	0.7	6.4	2170.9	67.7	1.1		2176.2	101.9	0.7		2217.0	627.8	2.3	0.2	2
3	2195.4	292.5	0.7	6.4	2171.1	68.9	0.6		2176.4	103.4	0.8		2217.4	636.6	4.7	0.2	3
4	2194.5	281.6	0.6	6.3	2171.3	70.1	0.6		2176.6	104.8	0.7		2217.6	641.1	2.5	0.2	4
5	2193.5	269.9	0.6	6.2	2171.6	71.8	0.8		2178.1	116.3	5.6		2217.9	647.7	3.5	0.2	5
6	2192.5	258.4	0.5	6.1	2171.8	73.0	0.6		2178.8	121.9	2.8		2218.1	652.2	2.4	0.2	6
7	2191.6	248.2	0.5	6.0	2172.0	74.2	0.6		2179.4	126.9	2.5		2218.4	658.9	3.6	0.2	7
8	2190.6	237.0	0.5	5.9	2172.2	75.4	0.6		2180.0	131.9	2.5		2218.6	663.4	2.4	0.1	8
9	2189.6	226.0	0.5	5.8	2172.4	76.6	0.7		2180.4	135.3	1.7		2218.9	670.2	3.5	0.1	9
10	2188.7	216.3	0.5	5.7	2172.6	77.9	0.6		2180.9	139.6	2.2		2219.2	677.1	3.7	0.2	10
11	2187.8	206.7	0.4	5.7	2172.8	79.1	0.6		2181.3	143.2	1.8		2219.5	684.0	3.6	0.1	11
12	2186.8	196.2	0.4	5.6	2173.0	80.3	0.6		2181.7	146.8	1.8		2219.7	688.6	2.4	0.1	12
13	2185.8	186.0	0.4	5.5	2173.2	81.6	0.7		2182.1	150.4	1.9		2220.0	695.5	3.6	0.1	13
14	2184.9	177.0	0.4	5.4	2173.4	82.9	0.6		2182.4	153.2	1.4	+	2220.2	700.2	2.4	0.1	14
15	2183.9	167.4	0.4	5.3	2173.5	83.5	0.3		2193.0	264.1	56.4	0.5	2220.4	704.9	2.5	0.1	15
16	2182.7	156.0	0.4	5.2	2173.7	84.8	0.7		2212.2	533.3	136.8	1.1	2220.7	711.9	3.6	0.1	16
17	2181.7	146.8	0.4	5.1	2173.9	86.1	0.6		2219.3	679.4	82.8	9.1	2220.9	716.6	2.5	0.1	17
18	2180.5	136.2	0.4	5.0	2174.1	87.4	0.7		2219.8	690.9	28.8	23.0	2221.1	721.3	2.5	0.1	18
19	2179.3	126.0	0.4	5.0	2174.2	88.0	0.3		2219.5	684.0	18.5	22.0	2221.3	726.1	2.5	0.1	19
20	2178.5	119.5	0.4	5.0	2174.4	89.4	0.7		2218.7	665.7	11.8	21.0	2221.5	730.8	2.5	0.1	20
21	2177.5	111.6	0.8	4.8	2174.5	90.0	0.3		2217.7	643.3	8.7	20.0	2221.7	735.6	2.5	0.1	21
22	2176.5	104.1	0.7	4.5	2174.7	91.4	0.7		2216.5	617.0	6.7	20.0	2221.9	740.4	2.5	0.1	22
23	2175.6	97.6	0.7	3.9	2174.8	92.1	0.4		2215.9	604.2	7.0	13.4	2222.1	745.2	2.5	0.1	23
24	2174.7	91.4	0.5	3.7	2175.0	93.4	0.6		2216.0	606.3	5.9	4.9	2222.3	750.1	2.6	0.1	24
25	2173.8	85.4	0.6	3.6	2175.2	94.8	0.7		2216.0	606.3	4.9	4.9	2222.7	759.8	5.8	0.3	25
26	2172.8	79.1	0.4	3.4	2175.3	95.5	0.4		2216.0	606.3	4.8	4.8	2225.7	835.0	53.9	16.0	26
27	2171.9	73.6	0.4	3.2	2175.5	96.9	0.7		2216.0	606.3	4.7	4.7	2225.6	832.5	21.7	23.0	27
28	2171.0	68.3	0.4	3.2	2175.6	97.6	0.3		2216.0	606.3	4.7	4.7	2224.9	814.6	14.0	23.0	28
29	2170.1	63.3	0.4	3.1	2175.8	99.0	0.7		2216.0	606.3	4.7	4.7	2224.0	791.9	11.6	23.0	29
30	2169.8	61.6	0.3	1.0	2175.9	99.7	0.4	+	2216.2	610.6	4.8	2.6	2223.0	767.1	10.5	23.0	30
31	2170.2	63.8	1.1	+					2216.5	617.0	3.7	0.5	2221.6	738.0	8.3	23.0	31
TOTAL			16.1	148.5			18.1	+			422.7	161.9			195.7	134.7	
Inf. Ac. Ft.			319				359				838.4				388.2	1294.4	
Outf. Ac. Ft.			294.5				0				321.1				267.2	882.8	
Maximum Mean Daily Inflow			1.1				1.1				136.8				53.9	136.8	
Minimum Mean Daily Inflow			0.3				0.3				0.4				1.3	0.3	
Storage Change		-262.6				+35.9				+517.3				+121.0		+411.6	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	2283.9	feet on	4/25	Storage	3662.0	Acre Feet		
Min. W. S. Elev.	2142.5	feet on	5/6 - 5/28	Storage	(DRY)0	Acre Feet		
Max. Peak Inf.	2860.	C. F. S. from	8:00 A.M. on	4/3	to	9:00 A.M. on	4/3	
Max. Peak Outf.	1320	C. F. S. from	1:00 P.M. on	4/4	to	10:30 P.M. on	4/4	

REMARKS < INDICATES AVERAGE FOR PERIOD

RECORDS COLLECTED BY

D.J. ROBERTSON-W.L. CROKE	Dam Tender
J.R. HYDE	Hydrographer
	Hydrographer

COMPUTATIONS	ckd.	Date
Gage Hts. copied	TS	RAP
Storage applied	TS	RAP
Inf. & Outf. comp.	TS	RAP

76D138N-68B Glb 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of BIG TUJUNGA Dam

In ~~On~~ Big Tujunga Canyon for the Year Ending September 30, 1958

Drainage Area 82.3 Square Miles. Capacity of Reservoir 4099.2 Ac. Ft. at Spillway Elev. 2290 Ft. as of October 1953

Continuous Water Stage Recorder Au

Gage Heights Read daily

Day	February Gage Height	February Acre Ft. Storage	February C.F.S. Inflow	February C.F.S. Outflow	March Gage Height	March Acre Ft. Storage	March C.F.S. Inflow	March C.F.S. Outflow	April Gage Height	April Acre Ft. Storage	April C.F.S. Inflow	April C.F.S. Outflow	May Gage Height	May Acre Ft. Storage	May C.F.S. Inflow	May C.F.S. Outflow	Day
1	2220.6	709.5	8.6	23.0	2220.4	704.9	36.0	22.0	2254.2	1860.7	565.5	200.0	2250.6	1692.9	49.9	280.0	1
2	2219.5	684.0	10.2	23.0	2221.2	723.7	31.5	22.0	2260.9	2202.0	377.0	205.0	2240.0	1265.9	54.8	270.0	2
3	2231.8	1001.6	187.1	27.0	2221.8	738.0	29.2	22.0	2281.3	3456.6	1216.6	584.0	2226.0	842.7	48.6	262.0	3
4	2250.5	1688.4	751.3	405.0	2222.2	747.7	26.9	22.0	2266.2	2494.8	635.1	1120.0	2205.2	438.3	48.1	252.0	4
5	2229.7	942.0	241.7	613.0	2222.5	754.9	25.6	22.0	2260.4	2175.6	395.0	556.0	2174.5	90.0	38.4	214.0	5
6	2219.6	686.3	113.0	242.0	2223.2	772.1	30.7	22.0	2258.6	2081.6	324.6	372.0		0	40.6	86.0	6
7	2221.7	735.6	74.9	50.0	2222.8	762.2	27.0	32.0	2259.2	2112.6	333.7	318.0			38.0	38.0	7
8	2222.2	747.7	57.1	51.0	2221.6	738.0	25.8	38.0	2260.4	2175.6	277.7	246.0			39.0	39.0	8
9	2222.0	742.8	47.5	50.0	2220.9	716.6	27.2	38.0	2265.3	2443.5	259.1	124.0			38.0	38.0	9
10	2221.0	718.9	38.0	50.0	2219.9	693.2	26.2	38.0	2269.3	2677.0	247.7	130.0			38.0	38.0	10
11	2219.8	690.9	29.9	44.0	2219.0	672.5	27.6	38.0	2272.2	2854.7	225.6	136.0			37.0	37.0	11
12	2218.9	670.2	24.5	35.0	2219.0	672.5	30.0	30.0	2274.0	2968.4	194.3	137.0			37.0	37.0	12
13	2218.7	665.7	23.7	26.0	2219.7	688.6	31.1	23.0	2275.1	3039.1	174.7	139.0			35.0	35.0	13
14	2219.5	684.0	20.3	11.0	2220.6	709.5	33.5	23.0	2275.5	3065.2	152.1	139.0			33.0	33.0	14
15	2220.3	702.5	20.3	11.0	2221.6	733.2	60.0	48.0	2276.2	3110.9	135.1	112.0			31.0	31.0	15
16	2220.8	714.2	16.9	11.0	2239.0	1230.3	432.6	182.0	2276.8	3150.4	119.9	92.0			29.0	29.0	16
17	2221.5	726.1	17.0	11.0	2240.9	1298.7	179.5	145.0	2277.2	3177.0	106.4	93.0			28.0	28.0	17
18	2221.6	733.2	15.6	12.0	2240.0	1265.9	128.5	145.0	2277.4	3190.3	101.7	95.0			27.0	27.0	18
19	2232.2	1013.3	271.2	130.0	2237.5	1178.8	99.0	143.0	2277.4	3190.3	94.0	94.0			26.0	26.0	19
20	2226.0	842.7	120.0	206.0	2234.6	1085.4	93.0	140.0	2277.4	3190.3	95.0	95.0			25.0	25.0	20
21	2219.5	684.0	68.0	148.0	2233.7	1057.9	117.1	131.0	2277.8	3217.0	84.5	71.0			24.0	24.0	21
22	2221.5	730.8	53.6	30.0	2239.1	1233.9	189.7	101.0	2278.6	3270.9	73.1	46.0			23.0	23.0	22
23	2222.4	752.5	42.9	32.0	2240.4	1280.5	124.5	101.0	2279.9	3359.5	75.7	31.0			23.0	23.0	23
24	2222.4	752.5	34.0	34.0	2241.1	1306.1	100.9	88.0	2281.6	3477.7	60.4	0.8			22.0	22.0	24
25	2222.4	752.5	72.0	72.0	2240.4	1280.5	83.1	96.0	2283.3	3598.4	61.7	0.8			22.0	22.0	25
26	2218.9	670.2	48.5	90.0	2239.3	1241.0	78.1	98.0	2282.2	3519.9	56.4	96.0			21.0	21.0	26
27	2218.6	663.4	52.6	56.0	2239.3	1241.0	98.0	98.0	2279.8	3284.4	59.3	178.0			21.0	21.0	27
28	2219.2	677.1	29.9	23.0	2238.9	1226.8	90.8	98.0	2273.4	2930.3	68.4	247.0		0	20.0	20.0	28
29					2238.1	1199.2	84.1	98.0	2267.5	2570.2	59.5	241.0	2149.4	0.9	14.0	13.5	29
30					2237.2	1168.7	79.6	95.0	2259.9	2149.2	57.7	270.0	2161.3	18.5	9.7	0.8	30
31					2236.2	1135.8	78.5	95.0					2174.1	72.9	28.2	0.8	31
TOTAL			2490.3	2521.0			2525.3	2294.0			6679.5	6168.6			969.3	2016.1	
Inf. Ac. Ft.			4939.4				5008.9				13248.6				1922.6	26413.9	
Outf. Ac. Ft.			5003.3				4550.1				12235.2				3998.9	25667.4	
Maximum Mean Daily Inflow			751.3				432.6				1216.6				54.8	1216.6	
Minimum Mean Daily Inflow			8.6				25.6				56.4				9.7	0.3	
Storage Change		-60.9				+458.7				+1013.4				-2076.3		-2535	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	2283.9	feet on	4/25	Storage	3662.0	Acre Feet		
Min. W. S. Elev.	2142.5	feet on	5/6 - 5/28	Storage	0	Acre Feet		
Max. Peak Inf.	2860.	C. F. S. from	8:00 A.M. on	4/3	to	9:00 A.M. on	4/3	
Max. Peak Outf.	1320.	C. F. S. from	1:00 P.M. on	4/4	to	10:30 P.M. on	4/4	

REMARKS

RECORDS COLLECTED BY

W.L. CROKE	Dam Tender
J.R. HYDE	Hydrographer
	Hydrographer

COMPUTATIONS	ckd.	Date
Gage Hts. copied	TS	RAP
Storage applied	TS	RAP
Inf. & Outf. comp.	TS	RAP

74D138N-68B Cib 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of BIG TUJUNGA Dam

In Big Tujunga Canyon for the Year Ending September 30, 1958

Continuous Water Stage Recorder Au

Drainage Area 82.3 Square Miles. Capacity of Reservoir 4123.0 Ac. Ft. at Spillway Elev. 2290.0 Ft. as of June, 1958 Gage Heights Read daily

Day	June Gage Height	June Acre Ft. Storage	June C.F.S. Inflow	June C.F.S. Outflow	July Gage Height	July Acre Ft. Storage	July C.F.S. Inflow	July C.F.S. Outflow	August Gage Height	August Acre Ft. Storage	August C.F.S. Inflow	August C.F.S. Outflow	September Gage Height	September Acre Ft. Storage	September C.F.S. Inflow	September C.F.S. Outflow	Day
1	2179.3	1068	17.7	0.6	2219.8	6825	6.3	2.8	2221.6	7249	2.6	3.8	2212.9	5329	0.9	5.0	1
2	2183.3	1376	16.1	0.6	2220.3	6941	8.6	2.8	2221.5	7225	2.6	3.8	2212.6	5271	2.1	5.0	2
3	2186.5	1658	14.8	0.6	2220.6	7011	6.4	2.8	2221.4	7201	2.6	3.8	2212.2	5192	0.9	4.9	3
4	2189.4	1944	15.2	0.7	2220.9	7082	6.4	2.9	2221.2	7153	1.4	3.8	2211.8	5116	1.0	4.8	4
5	2191.8	2201	13.7	0.8	2221.2	7153	6.5	2.9	2221.0	7105	2.1	4.6	2211.4	5041	1.0	4.8	5
6	2194.1	2465	14.1	0.8	2221.5	7225	6.6	3.0	2220.7	7035	1.6	5.1	2211.1	4985	2.0	4.8	6
7	2196.2	2721	13.7	0.8	2221.7	7273	5.5	3.0	2220.5	6988	2.7	5.1	2210.7	4912	1.1	4.8	7
8	2198.2	2981	13.9	0.8	2221.9	7321	5.5	3.1	2220.2	6918	1.6	5.1	2210.3	4844	1.4	4.8	8
9	2200.1	3240	13.9	0.8	2222.1	7369	5.5	3.1	2219.9	6848	1.6	5.1	2209.8	4751	0.1	4.8	9
10	2201.9	3497	13.9	0.9	2222.2	7394	4.4	3.1	2219.6	6779	1.6	5.1	2209.4	4681	1.2	4.8	10
11	2203.7	3762	14.2	0.9	2222.2	7394	3.3	3.3	2219.3	6710	1.6	5.1	2209.0	4611	1.4	4.9	11
12	2205.3	4007	13.4	1.0	2222.2	7394	3.8	3.8	2219.0	6641	1.6	5.1	2208.6	4543	1.8	5.2	12
13	2207.0	4277	14.6	1.0	2222.2	7394	3.8	3.8	2218.7	6573	1.7	5.1	2208.1	4458	1.3	5.6	13
14	2208.4	4509	12.7	1.0	2222.2	7394	3.8	3.8	2218.4	6505	1.7	5.1	2207.7	4392	2.2	5.5	14
15	2209.6	4716	11.3	0.9	2222.2	7394	3.8	3.8	2218.2	6460	2.8	5.1	2207.2	4310	1.2	5.4	15
16	2210.6	4894	9.9	0.9	2222.2	7394	3.8	3.8	2218.0	6415	2.8	5.1	2206.7	4229	1.3	5.3	16
17	2211.6	5078	10.2	0.9	2222.2	7394	3.8	3.8	2217.7	6348	1.8	5.1	2206.3	4165	1.9	5.2	17
18	2212.6	5271	10.5	0.8	2222.2	7394	3.8	3.8	2217.5	6304	2.8	5.1	2205.8	4086	1.1	5.1	18
19	2213.7	5491	11.9	0.8	2222.2	7394	3.8	3.8	2217.2	6237	1.8	5.1	2205.3	4007	1.2	5.1	19
20	2214.5	5656	9.1	0.8	2222.2	7394	3.8	3.8	2216.9	6171	1.7	5.1	2204.9	3945	1.8	5.0	20
21	2215.3	5825	9.3	0.8	2222.2	7394	3.8	3.8	2216.6	6106	1.9	5.1	2204.4	3868	1.1	4.9	21
22	2216.1	5997	9.5	0.8	2222.2	7394	3.8	3.8	2216.3	6040	1.7	5.1	2203.8	3777	0.9	5.5	22
23	2216.7	6128	8.5	1.9	2222.2	7394	3.8	3.8	2216.0	5975	1.9	5.1	2203.2	3688	1.6	6.1	23
24	2217.2	6237	8.3	2.8	2222.2	7394	3.8	3.8	2215.6	5889	0.7	5.1	2202.7	3614	2.4	6.1	24
25	2217.7	6348	8.4	2.8	2222.1	7369	2.5	3.8	2215.3	5825	1.9	5.1	2202.1	3526	1.6	6.1	25
26	2218.1	6438	7.3	2.8	2222.1	7369	3.8	3.8	2215.0	5761	1.9	5.1	2201.6	3453	1.8	5.5	26
27	2218.5	6528	7.4	2.8	2222.1	7369	3.8	3.8	2214.7	5698	1.9	5.1	2201.1	3381	0.6	4.2	27
28	2218.9	6618	7.3	2.8	2222.0	7345	2.6	3.8	2214.3	5615	0.8	5.0	2200.7	3325	1.3	4.1	28
29	2219.2	6687	6.3	2.8	2222.1	7321	2.6	3.8	2214.0	5552	1.8	5.0	2200.3	3266	1.2	4.1	29
30	2219.5	6756	6.3	2.8	2222.1	7297	2.6	3.8	2213.6	5471	0.9	5.0	2199.9	3212	1.3	4.1	30
31					2222.1	7273	2.6	3.8	2213.3	5410	2.0	5.0					31
TOTAL			343.4	39.5			134.9	108.8			58.1	152.0			40.7	151.5	
Inf. Ac. Ft.			681.1				267.6				115.2				80.7	2755.5	
Outf. Ac. Ft.			78.3				215.8				301.5				300.5	2756.3.4	
Maximum Mean Daily Inflow			17.7				8.6				2.8				2.4	12.16.6	
Minimum Mean Daily Inflow			6.3				2.6				0.7				0.1	0.1	
Storage Change		+602.7				+517				-1863				-2198		-52	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	2283.9	feet on	4/25	Storage	3662.0	Acre Feet				
Min. W. S. Elev.	2142.5	feet on	5/6 - 5/28	Storage (DRY)	0	Acre Feet				
Max. Peak Inf.	2860.	C.F.S. from	8:00 A.M. on	4/3	to	9:00 A.M. on	4/3			
Max. Peak Outf.	1320.	C.F.S. from	1:30 P.M. on	4/4	to	10:30 P.M. on	4/4			
REMARKS										

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
W.L. CROKE	Dam Tender	Gage Hts. copied	TS RAP	
J.R. HYDE	Hydrographer	Storage applied	TS RAP	
	Hydrographer	Inf. & Outf. comp.	TS RAP	

74D138N-68B Cib 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of BIG TUJUNGA Dam

In Big Tujunga Canyon for the Year Ending September 30, 1959

Continuous Water Stage Recorder Au

Drainage Area 82.3 Square Miles. Capacity of Reservoir 4123.0 Ac. Ft. at Spillway Elev. 2290.0 Ft. as of June, 1956 Gage Heights Read daily

Day	October Gage Height	October Acre Ft. Storage	October C.F.S. Inflow	October C.F.S. Outflow	November Gage Height	November Acre Ft. Storage	November C.F.S. Inflow	November C.F.S. Outflow	December Gage Height	December Acre Ft. Storage	December C.F.S. Inflow	December C.F.S. Outflow	January Gage Height	January Acre Ft. Storage	January C.F.S. Inflow	January C.F.S. Outflow	Day
1	2179.5	3157	1.5	4.3	2187.3	1734	2.0	3.7	2181.6	1239	3.2	3.4	2186.8	1686	3.4	1.8	1
2	2182.1	3102	1.5	4.3	2186.9	1696	2.1	3.7	2181.6	1239	3.2	3.4	2187.2	1724	3.4	1.8	2
3	2198.6	3034	1.5	4.3	2186.6	1667	2.1	3.7	2181.5	1231	3.2	3.4	2187.5	1754	3.4	1.8	3
4	2198.2	2981	1.5	4.3	2186.2	1630	2.1	3.7	2181.5	1231	3.2	3.4	2187.8	1783	3.3	1.8	4
5	2197.7	2915	1.5	4.3	2185.9	1602	2.1	3.7	2181.5	1231	3.2	3.4	2188.3	1832	4.3	1.8	5
6	2197.3	2862	1.5	4.2	2185.6	1575	2.2	3.7	2181.5	1231	3.3	3.4	2196.2	2721	4.52	0.4	6
7	2196.9	2810	1.5	4.2	2185.2	1539	2.2	3.7	2181.4	1223	3.3	3.4	2197.8	2928	10.8	0.4	7
8	2196.6	2772	1.5	4.2	2184.9	1512	2.2	3.7	2181.4	1223	3.3	3.4	2198.9	3075	6.8	0.4	8
9	2196.2	2721	1.5	4.2	2184.6	1486	2.2	3.6	2181.4	1223	3.3	3.4	2200.0	3226	6.8	0.4	9
10	2195.8	2671	1.5	4.1	2184.3	1460	2.3	3.6	2181.4	1223	3.3	3.4	2200.6	3311	6.7	0.2	10
11	2195.3	2610	1.5	4.1	2184.1	1443	2.7	3.6	2181.4	1223	3.3	3.4	2201.4	3425	6.0	0.2	11
12	2194.9	2561	1.5	4.1	2183.9	1426	2.7	3.6	2181.4	1223	3.3	3.4	2202.0	3511	4.7	0.2	12
13	2194.5	2513	1.5	4.1	2183.7	1409	2.8	3.6	2181.4	1223	3.3	3.4	2202.6	3599	4.6	0.2	13
14	2194.0	2453	1.5	4.1	2183.5	1392	2.8	3.6	2181.3	1215	3.3	3.4	2203.2	3688	4.6	0.2	14
15	2193.6	2406	1.5	4.0	2183.3	1376	2.8	3.6	2181.2	1208	3.3	3.6	2203.8	3777	4.6	0.2	15
16	2193.2	2359	1.5	4.0	2183.1	1359	2.8	3.5	2181.2	1208	3.3	3.4	2204.4	3868	4.5	0.2	16
17	2192.7	2302	1.5	4.0	2182.9	1343	2.8	3.5	2181.2	1208	3.3	3.4	2204.9	3945	4.5	0.2	17
18	2192.3	2257	1.5	4.0	2182.8	1335	2.8	3.5	2181.4	1223	3.3	2.5	2205.4	4023	4.4	0.2	18
19	2191.9	2212	1.5	4.0	2182.6	1319	2.9	3.5	2181.8	1254	3.3	1.5	2206.0	4117	4.4	0.2	19
20	2191.5	2168	1.5	3.9	2182.5	1310	2.9	3.5	2182.2	1286	3.3	1.5	2206.5	4197	4.4	0.2	20
21	2191.0	2113	1.5	3.9	2182.4	1302	3.0	3.5	2182.7	1327	3.3	1.5	2206.9	4261	4.1	0.2	21
22	2190.6	2070	1.6	3.9	2182.3	1294	3.0	3.5	2183.1	1359	3.3	1.6	2207.4	4343	4.1	0.2	22
23	2190.2	2027	1.6	3.9	2182.1	1278	3.0	3.4	2183.5	1392	3.3	1.6	2207.9	4425	4.0	0.2	23
24	2190.0	2006	2.7	3.8	2182.0	1270	3.0	3.4	2184.0	1434	3.3	1.6	2208.3	4492	4.0	0.2	24
25	2189.8	1985	2.7	3.8	2182.0	1270	3.1	3.4	2184.3	1460	3.3	1.6	2208.8	4577	4.0	0.2	25
26	2189.5	1954	1.9	3.8	2181.9	1262	3.1	3.4	2184.7	1495	3.3	1.6	2209.3	4664	4.1	0.2	26
27	2189.2	1924	1.9	3.8	2181.9	1262	3.2	3.4	2185.1	1530	3.3	1.7	2209.7	4734	4.1	0.2	27
28	2188.9	1893	1.9	3.7	2181.8	1254	3.2	3.4	2185.5	1566	3.4	1.7	2210.2	4822	4.1	0.2	28
29	2188.4	1842	1.9	3.7	2181.7	1247	3.2	3.4	2185.8	1593	3.4	1.7	2210.6	4894	4.1	0.2	29
30	2188.0	1802	1.8	3.7	2181.7	1247	3.2	3.4	2186.2	1630	3.4	1.7	2211.0	4966	4.1	0.2	30
31	2187.6	1763	1.8	3.7					2186.5	1658	3.4	1.7	2211.4	5041	4.1	0.2	31
TOTAL			51.3	124.4			80.5	106.5			102.2	81.5			185.6	15.0	
Inf. Ac. Ft.			101.8				159.7				202.7				368.1	832.3	
Outf. Ac. Ft.			246.7				211.2				161.7				29.8	649.4	
Maximum Mean Daily Inflow			2.7				3.2				3.4				4.52	4.52	
Minimum Mean Daily Inflow			1.5				2.0				3.2				3.3	1.5	
Storage Change		+1449				-516				+411				+3383		+1829	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	2251.9	feet on	VARIOUS DAYS	Storage	1753.0	Acre Feet				
Min. W. S. Elev.	2181.2	feet on	VARIOUS DAYS	Storage	120.8	Acre Feet				
Max. Peak Inf.	213.0	C.F.S. from	8:30 A.M. on	1/6/59	to	8:45 P.M. on	1/6/59			
Max. Peak Outf.	112.0	C.F.S. from	4:00 P.M. on	2/16/59	to	12:00 M. on	2/19/59			
REMARKS	(INDICATES AVERAGE FOR PERIOD									

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
W.L. CROKE	Dam Tender	Gage Hts. copied	RAP TS	
J.R. HYDE	Hydrographer	Storage applied	RAP TS	
D.W. BOWMAN	Hydrographer	Inf. & Outf. comp.	TS RAP	

74D138N-68B Gb 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of BIG TUJUNGA Dam

In Big Tujunga Canyon for the Year Ending September 30, 19 59

Continuous Water Stage Recorder Au

Drainage Area 82.3 Square Miles. Capacity of Reservoir 4123.0 Ac. Ft. at Spillway Elev. 2290.0 Ft. as of June 19 58 Gage Heights Read Daily

Day	February				March				April				May				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	2211.6	5116	40	0.2	2234.9	1091.0	12.3	0.3	2247.2	1543.0	5.5	0.3	2251.9	1753.0	3.9	2.8	1
2	2212.2	5192	40	0.2	2235.7	1116.0	12.3	0.3	2247.4	1552.0	5.5	0.7	2251.9	1753.0	3.9	3.6	2
3	2212.6	5271	42	0.2	2236.4	1139.0	12.3	0.3	2247.6	1560.0	5.4	1.0	2251.9	1753.0	3.8	3.6	3
4	2213.1	5369	51	0.2	2237.0	1159.0	12.3	0.3	2247.8	1569.0	5.4	1.0	2251.9	1753.0	3.8	3.6	4
5	2213.4	5430	33	0.2	2237.7	1182.0	12.3	0.3	2248.0	1577.0	5.4	1.0	2251.9	1753.0	3.8	3.6	5
6	2213.8	5511	43	0.2	2238.2	1199.0	8.8	0.3	2248.2	1586.0	5.1	1.0	2251.8	1749.0	2.5	3.6	6
7	2214.3	5615	5.4	0.2	2238.7	1216.0	8.8	0.3	2248.4	1595.0	5.1	1.0	2251.8	1749.0	2.5	3.6	7
8	2215.0	5761	7.6	0.2	2239.2	1234.0	8.8	0.3	2248.6	1603.0	5.1	1.1	2251.7	1744.0	2.5	3.6	8
9	2215.6	5889	6.7	0.2	2239.7	1252.0	8.8	0.3	2248.7	1608.0	5.1	1.1	2251.7	1744.0	2.5	3.6	9
10	2216.4	6062	8.9	0.2	2240.1	1266.0	8.7	0.3	2248.9	1617.0	5.1	1.1	2251.6	1739.0	2.4	3.6	10
11	2226.8	8567	1291	2.8	2240.5	1280.0	7.4	0.3	2249.0	1621.0	4.3	1.1	2251.6	1739.0	2.4	3.6	11
12	2229.8	9393	420	0.4	2240.9	1295.0	7.4	0.3	2249.2	1630.0	4.3	1.1	2251.6	1739.0	2.4	3.6	12
13	2230.6	9622	219	10.3	2241.3	1310.0	7.4	0.3	2249.3	1634.0	4.2	1.1	2251.5	1734.0	2.4	3.6	13
14	2231.0	9737	159	10.1	2241.7	1325.0	7.3	0.3	2249.4	1639.0	4.2	1.1	2251.5	1734.0	2.4	3.6	14
15	2231.6	9913	143	5.5	2242.0	1336.0	7.3	0.3	2249.5	1643.0	4.2	1.1	2251.4	1730.0	2.4	3.6	15
16	2239.2	12340	1715	49.1	2242.4	1352.0	7.0	0.3	2249.7	1652.0	4.2	1.1	2251.4	1730.0	2.3	3.6	16
17	2238.0	11920	908	112.0	2242.7	1363.0	7.0	0.3	2249.8	1656.0	4.2	1.1	2251.3	1725.0	2.3	3.6	17
18	2233.7	10540	424	112.0	2243.1	1379.0	7.0	0.3	2250.0	1665.0	4.2	1.1	2251.2	1720.0	2.3	3.6	18
19	2231.2	9796	305	68.0	2243.4	1391.0	6.9	0.3	2250.1	1670.0	4.2	1.1	2251.1	1716.0	2.3	3.6	19
20	2231.2	9796	24.1	24.1	2243.7	1402.0	6.9	0.3	2250.3	1679.0	4.2	1.1	2251.1	1716.0	2.3	3.6	20
21	2231.4	9854	27.1	24.1	2244.0	1414.0	6.3	0.3	2250.4	1683.0	4.1	1.1	2251.0	1711.0	2.3	3.6	21
22	2231.3	9825	22.6	24.1	2244.3	1426.0	6.2	0.3	2250.6	1693.0	4.1	1.2	2251.0	1711.0	2.3	3.6	22
23	2231.5	9884	20.0	17.0	2244.6	1437.0	6.2	0.3	2250.7	1697.0	4.1	1.2	2250.9	1706.0	2.3	3.6	23
24	2232.0	10030	19.2	11.9	2244.9	1449.0	6.2	0.3	2250.8	1702.0	4.0	1.2	2250.9	1706.0	2.3	3.6	24
25	2232.4	10150	18.0	11.9	2245.2	1461.0	6.2	0.3	2251.0	1711.0	5.8	1.2	2250.8	1702.0	2.3	3.6	25
26	2232.7	10240	16.4	11.9	2245.5	1474.0	6.2	0.3	2251.3	1725.0	8.2	1.2	2250.8	1702.0	2.3	3.6	26
27	2233.2	10390	15.7	8.1	2245.8	1486.0	6.2	0.3	2251.5	1734.0	5.7	1.2	2250.8	1702.0	2.3	3.6	27
28	2234.0	10630	12.4	0.3	2246.1	1498.0	6.2	0.3	2251.6	1739.0	3.8	1.2	2250.7	1697.0	2.3	3.6	28
29					2246.4	1510.0	6.2	0.3	2251.7	1744.0	3.7	1.2	2250.6	1693.0	2.2	3.6	29
30					2246.6	1519.0	6.2	0.3	2251.8	1749.0	3.7	1.2	2250.6	1693.0	2.2	3.6	30
31					2246.9	1531.0	6.2	0.3					2250.5	1688.0	2.2	3.6	31
TOTAL			7874	505.6			245.3	9.3			142.1	32.2			80.1	110.8	
Inf. Ac. Ft.			1561.8				4865				2819				1589	3321.4	
Outf. Ac. Ft.			1002.8				184				639				219.8	1954.3	
Maximum Mean Daily Inflow			171.5				12.3				8.2				3.9	171.5	
Minimum Mean Daily Inflow			3.3				6.2				3.7				2.2	1.5	
Storage Change		+ 5589				+ 4680				+ 2180				- 610		1366.8	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	2251.9	feet	on	VARIOUS DAYS	Storage	1753.0	Acre Feet	RECORDS COLLECTED BY			COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	2181.2	feet	on	VARIOUS DAYS	Storage	120.8	Acre Feet	W.L. CROKE	Dam Tender		Gage Hts. copied	RAP	TS
Max. Peak Inf.	213.0	C.F.S. from	8:30 A.M. on	1/6/59	to	8:45 A.M. on	1/6/59	J.R. HYDE	Hydrographer		Storage applied	RAP	TS
Max. Peak Outf.	112.0	C.F.S. from	4:00 P.M. on	2/16/59	to	12:00 M. on	2/19/59	D.W. BOWMAN	Hydrographer		Inf. & Outf. comp.	TS	RAP

REMARKS (INDICATES AVERAGE FOR PERIOD

74D138N-68B Gb 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of BIG TUJUNGA Dam

In Big Tujunga Canyon for the Year Ending September 30, 19 59

Continuous Water Stage Recorder Au

Drainage Area 82.3 Square Miles. Capacity of Reservoir 4123.0 Ac. Ft. at Spillway Elev. 2290.0 Ft. as of June 19 58 Gage Heights Read daily

Day	June				July				August				September				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	2250.4	1683.0	0.5	3.6	2246.0	1494.0	0.2	4.7	2237.6	1179.0	0.2	5.3	2226.4	846.0	0.3	5.6	1
2	2250.3	1679.0	0.5	3.6	2245.8	1486.0	0.2	5.4	2237.3	1169.0	0.2	5.3	2226.0	835.4	0.3	5.6	2
3	2250.2	1674.0	0.5	3.6	2245.5	1474.0	0.2	5.4	2237.0	1159.0	0.2	5.3	2225.6	825.0	0.4	5.6	3
4	2250.1	1670.0	0.5	3.6	2245.2	1461.0	0.2	5.4	2236.7	1149.0	0.2	5.3	2225.2	814.6	0.4	5.5	4
5	2250.0	1665.0	0.5	3.6	2245.0	1453.0	0.2	5.4	2236.3	1136.0	0.2	5.3	2224.8	804.3	0.4	5.5	5
6	2249.8	1656.0	0.5	3.6	2244.7	1441.0	0.2	5.4	2236.0	1126.0	0.2	5.6	2224.4	794.1	0.4	5.4	6
7	2249.8	1656.0	0.5	3.6	2244.5	1434.0	0.2	5.4	2235.7	1116.0	0.2	5.9	2224.0	783.9	0.4	5.4	7
8	2249.7	1652.0	0.5	3.6	2244.2	1422.0	0.2	5.4	2235.3	1104.0	0.2	5.9	2223.6	773.9	0.4	5.3	8
9	2249.5	1643.0	0.5	3.6	2243.9	1410.0	0.2	5.4	2235.0	1094.0	0.2	5.9	2223.2	763.9	0.4	5.3	9
10	2249.4	1639.0	0.5	3.6	2243.6	1398.0	0.2	5.4	2234.6	1082.0	0.2	5.9	2222.8	754.0	0.4	5.2	10
11	2249.3	1634.0	0.5	3.6	2243.4	1391.0	0.2	5.4	2234.3	1072.0	0.2	5.9	2222.4	744.3	0.4	5.2	11
12	2249.2	1630.0	0.5	3.6	2243.1	1379.0	0.2	5.4	2233.9	1060.0	0.2	5.9	2222.0	734.5	0.4	5.2	12
13	2249.0	1621.0	0.5	3.6	2242.9	1371.0	0.2	5.4	2233.5	1048.0	0.2	5.8	2221.7	727.3	1.5	5.2	13
14	2248.9	1617.0	0.5	3.6	2242.6	1359.0	0.2	5.4	2233.1	1036.0	0.2	5.8	2221.5	722.5	2.8	5.2	14
15	2248.7	1608.0	0.5	3.6	2242.3	1348.0	0.2	5.4	2232.6	1027.0	0.2	5.8	2221.1	712.9	0.4	5.2	15
16	2248.5	1599.0	0.5	3.6	2242.0	1336.0	0.2	5.4	2232.4	1015.0	0.3	5.7	2220.7	703.5	0.4	5.2	16
17	2248.4	1595.0	0.5	3.6	2241.8	1329.0	0.2	5.4	2232.1	1006.0	0.3	5.7	2220.3	694.1	0.4	5.2	17
18	2248.2	1586.0	0.5	3.6	2241.5	1318.0	0.2	5.4	2231.7	994.2	0.3	5.6	2219.9	684.8	0.4	5.2	18
19	2248.1	1581.0	0.5	3.6	2241.2	1306.0	0.2	5.4	2231.4	985.4	0.3	5.6	2219.5	675.6	0.4	5.1	19
20	2247.9	1573.0	0.5	3.6	2241.0	1299.0	0.2	5.3	2231.0	973.7	0.3	5.6	2219.1	666.4	0.3	5.1	20
21	2247.7	1564.0	0.5	3.6	2240.7	1288.0	0.2	5.3	2230.6	962.2	0.3	5.6	2218.7	657.3	0.3	5.0	21
22	2247.6	1560.0	0.5	3.6	2240.4	1277.0	0.2	5.3	2230.2	950.7	0.3	5.6	2218.2	646.0	0.3	5.0	22
23	2247.4	1552.0	0.4	3.6	2240.1	1266.0	0.2	5.3	2229.8	939.3	0.3	5.6	2217.8	637.1	0.3	4.9	23
24	2247.2	1543.0	0.4	3.6	2239.9	1258.0	0.2	5.3	2229.4	928.0	0.3	5.6	2217.4	628.2	0.3	4.9	24
25	2247.0	1535.0	0.4	3.6	2239.6	1248.0	0.2	5.3	2229.0	916.7	0.3	5.6	2217.0	619.3	0.3	4.9	25
26	2246.9	1531.0	0.4	3.6	2239.3	1238.0	0.2	5.3	2228.7	908.4	0.3	5.6	2216.6	610.6	0.3	4.9	26
27	2246.7	1523.0	0.4	3.6	2239.0	1227.0	0.1	5.3	2228.3	897.4	0.3	5.6	2216.1	599.7	0.3	4.9	27
28	2246.6	1519.0	0.4	3.6	2238.7	1216.0	0.1	5.3	2227.9	886.4	0.3	5.6	2215.7	591.1	0.3	4.9	28
29	2246.4	1510.0	0.4	3.6	2238.4	1206.0	0.1	5.3	2227.5	875.6	0.3	5.6	2215.3	582.5	0.3	4.9	29
30	2246.2	1502.0	0.4	3.6	2238.1	1196.0	0.1	5.3	2227.1	864.7	0.3	5.6	2214.9	574.0	0.3	4.9	30
31					2237.8	1185.0	0.1	5.3	2226.7	854.0	0.3	5.6					31
TOTAL			14.2	108.0			5.7	165.5			7.8	174.7			14.2	155.4	
Inf. Ac. Ft.			28.2				11.3				15.5				28.2	3404.6	
Outf. Ac. Ft.			214.2				328.3				346.5				308.2	3151.5	
Maximum Mean Daily Inflow			0.5				0.2				0.3				2.8	171.5	
Minimum Mean Daily Inflow			0.4				0.1				0.2				0.3	0.1	
Storage Change		-1860				-3170				-3310				+2800		+252.8	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	2251.9	feet	on	VARIOUS DAYS	Storage	1753.0	Acre Feet	RECORDS COLLECTED BY			COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	2181.2	feet	on	VARIOUS DAYS	Storage	120.8	Acre Feet	W.L. CROKE	Dam Tender		Gage Hts. copied	RAP	TS
Max. Peak Inf.	213.0	C.F.S. from	8:30 A.M. on	1/6/59	to	8:45 A.M. on	1/6/59	J.R. HYDE	Hydrographer		Storage applied	RAP	TS
Max. Peak Outf.	112.0	C.F.S. from	4:00 P.M. on	2/16/59	to	12:00 M. on	2/19/59	D.W. BOWMAN	Hydrographer		Inf. & Outf. comp.	TS	RAP

REMARKS (INDICATES AVERAGE FOR PERIOD

76D138M-68B Gib 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of DEVILS GATE Dam

In Arroyo Seco
On

for the Year Ending September 30, 19 56

Continuous Water Stage Recorder Au

Drainage Area 31.9 Square Miles. Capacity of Reservoir 2709.1 Ac. Ft. at Spillway Elev. 1054 Ft. as of September, 19 55

Gage Heights Read daily

Day	October				November				December				January				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	991.6±	0	0	0	1012.2	400	0	0	1012.5	427	0	0	1025.4	351.5	0	0	1
2		0		0	1013.6	537	7.7	0	1012.5	427	0	0	1025.4	351.5	0	0	2
3		0		0	1014.5	644	6.2	0	1012.4	418	0	0	1025.2	343.7	0	0	3
4		0		0	1014.4	632	0	0	1013.9	569	8.6	0	1025.1	339.8	0	0	4
5		0		0	1014.3	619	0	0	1017.7	1191	33.2	0	1025.0	335.9	0	0	5
6		0		0	1014.2	606	0	0	1017.5	1149	0	0	1024.9	332.2	0	0	6
7		0		0	1014.2	606	0.8	0	1017.4	1128	0	0	1024.8	328.6	0	0	7
8		0		0	1014.1	593	0	0	1017.3	1107	0	0	1024.7	324.9	0	0	8
9		0		0	1014.0	580	0	0	1017.2	1086	0	0	1024.6	321.2	0	0	9
10	989.3	0	0	0	1013.9	569	0	0	1017.1	1066	0	0	1024.5	317.6	2.7	0	10
11	1010.5	275	143	0	1013.8	556	0	0	1017.0	1045	0	0	1024.5	317.6	0	0	11
12	1010.3	263	0	0	1013.8	558	0	0	1016.9	1027	0	0	1024.4	313.9	0	0	12
13	1011.7	359	5.2	0	1013.7	548	0	0	1016.9	1027	0	0	1024.3	310.2	0	0	13
14	1012.8	454	5.4	0	1013.6	537	0	0	1016.8	1009	0	0	1024.2	306.5	0	0	14
15	1012.7	445	0	0	1013.6	537	0	0	1021.5	2175	61.6	0	1024.1	302.9	0	0	15
16	1012.5	427	0	0	1013.5	526	0	0	1024.5	3176	54.4	0	1024.0	299.2	0	0	16
17	1012.5	427	0	0	1013.4	515	0	0	1027.0	4161	55.5	0	1023.9	295.8	0	0	17
18	1012.4	418	0	0	1013.3	504	0	0	1027.0	4161	5.8	0	1023.8	292.3	0	0	18
19	1012.3	409	0	0	1013.2	494	0	0	1026.9	4120	3.7	0	1023.8	292.3	0	0	19
20	1012.9	463	3.3	0	1013.2	494	0	0	1026.8	4079	3.8	0	1023.7	288.9	0	0	20
21	1012.8	454	0	0	1013.1	483	0	0	1026.6	3996	1.5	0	1023.6	285.4	0	0	21
22	1012.7	445	0	0	1013.1	483	0	0	1026.5	3955	0	0	1023.5	282.0	0	0	22
23	1012.5	427	0	0	1013.0	472	0	0	1026.4	3914	0	0	1023.4	278.6	0	0	23
24	1012.5	427	0	0	1012.9	463	0	0	1026.2	3831	0	0	1023.4	278.6	3.8	0	24
25	1012.4	418	0	0	1012.9	463	0	0	1026.1	3790	0	0	1025.2	343.7	36.6	0	25
26	1012.3	409	0	0	1012.8	454	0	0	1026.0	3749	0	0	1028.6	487.4	76.5	0	26
27	1012.2	400	0	0	1012.7	445	0	0	1025.9	3710	0	0	1028.7	492.0	9.2	0	27
28	1012.2	400	0	0	1012.6	436	0	0	1025.8	3671	0	0	1029.5	432.8	1.5	0	28
29	1012.0	382	0	0	1012.6	436	0	0	1025.7	3632	0	0	1028.4	478.2	3.9	0	29
30	1012.0	382	0	0	1012.6	436	0	0	1025.6	3593	0	0	1028.3	473.6	3.9	0	30
31	1012.2	400	1.4	0					1025.5	3554	0	0	1028.2	468.9	3.8	0	31
TOTAL			29.6	0			14.7				225				142.1	0	
Inf. Ac. Ft.			38.7				29.2	25.6			441.3				201.9	811.1	
Outf. Ac. Ft.			0+(18.7)				0+(25.6)				0+(129.5				0+(168.4)	0+(342.2)	
Maximum Mean Daily Inflow			14.3				7.7				61.8				76.5	76.5	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		+400				+ 36				+ 311.8				+ 1135		+468.9	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1043.8	feet on	4/3	Storage	1562.8	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	DRY	feet on	VAR. DAYS	Storage	0	Acre Feet	K.M. YORK	Dam Tender	Gage Hts. copied	FES RAP
Max. Peak Inf.	1020.	C.F.S. from	7:00 A.M. on 4/3	to	8:00 A.M. on	4/3	J. HOLLERON	Hydrographer	Storage applied	FES RAP
Max. Peak Outf.	498.	C.F.S. from	3:00 P.M. on 2/4	to	5:00 P.M. on	2/4		Hydrographer	Inf. & Outf. comp.	FES RAP

REMARKS ( ) INDICATES PERCOLATION AND OTHER LOSSES

76D138N-68B Gib 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of DEVILS GATE Dam

In Arroyo Seco
On

for the Year Ending September 30, 19 56

Continuous Water Stage Recorder Au

Drainage Area 31.9 Square Miles. Capacity of Reservoir 2709.1 Ac. Ft. at Spillway Elev. 1054. Ft. as of September, 19 55

Gage Heights Read daily

Day	February				March				April				May				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1028.0	459.7	1.6	0	1031.0	606.2	6.1	3.0	1038.7	1111.9	304.8	52.5	1033.9	772.8	0	0.8	1
2	1028.5	484.8	17.9	0	1030.8	595.9	6.3	3.0	1038.2	1072.4	138.1	14.2.0	1033.7	760.7	0	0.8	2
3	1034.7	823.8	295.9	112.0	1030.6	585.6	6.2	3.0	1043.8	1562.8	431.7	160.0	1033.4	742.5	0	0.8	3
4	1037.6	1026.6	447.3	330.0	1030.3	570.2	3.5	3.0	1042.3	1421.6	200.7	250.0	1033.2	730.3	0	0.8	4
5	1030.0	554.7	120.1	350.0	1030.1	559.8	5.6	3.0	1040.4	1252.8	106.8	173.0	1032.9	712.4	0	0.8	5
6	1030.2	565.0	58.2	45.0	1030.3	570.2	16.5	3.0	1040.8	1287.3	144.0	107.0	1032.7	701.0	0	0.8	6
7	1029.6	535.2	36.7	44.0	1030.1	559.8	5.6	3.0	1043.0	1486.4	223.5	100.0	1032.4	693.7	0	0.8	7
8	1028.7	492.0	29.2	44.0	1029.8	544.9	3.2	3.0	1043.1	1496.0	105.4	77.4	1032.2	672.2	0	0.8	8
9	1028.1	464.3	18.8	26.0	1029.7	540.1	8.2	3.0	1043.2	1505.5	82.6	54.5	1032.0	660.7	0	0.8	9
10	1027.9	455.3	12.0	10.0	1029.6	535.2	8.1	3.0	1043.2	1505.5	59.6	36.3	1031.7	644.4	0	0.8	10
11	1027.7	446.6	5.2	3.0	1029.5	530.3	8.0	3.0	1043.2	1505.5	50.3	27.0	1031.5	633.4	0	0.8	11
12	1027.6	442.3	7.2	3.0	1029.5	530.3	10.5	3.0	1042.9	1477.2	35.7	27.0	1031.5	622.6	0	0.8	12
13	1027.4	433.5	4.9	3.0	1029.4	525.4	8.0	3.0	1042.6	1449.4	25.1	16.8	1031.1	611.6	0	0.8	13
14	1027.2	424.8	4.8	3.0	1029.2	515.7	5.3	3.0	1042.2	1412.4	9.5	6.5	1030.9	601.0	0	0.8	14
15	1027.0	416.1	4.4	3.0	1031.5	633.4	71.3	3.0	1041.8	1376.0	9.3	6.5	1030.7	590.8	0	0.8	15
16	1026.8	407.9	4.5	3.0	1035.1	849.8	231.1	110.0	1041.2	1322.4	0.5	8.0	1030.5	580.4	0	0.8	16
17	1026.6	399.6	4.6	3.0	1035.2	856.5	68.8	53.0	1040.6	1270.0	0.8	8.0	1030.3	570.2	0	0.8	17
18	1026.4	391.4	4.4	3.0	1035.7	890.2	35.0	5.0	1040.0	1218.3	0.1	8.0	1030.0	554.7	0	0.8	18
19	1033.7	760.7	231.4	34.0	1036.0	910.5	28.6	5.0	1039.4	1168.7	0.2	8.0	1029.8	544.9	0	0.8	19
20	1032.7	701.0	44.4	65.0	1036.9	974.5	51.7	5.0	1038.8	1119.8	0.2	8.0	1029.6	535.2	0	0.8	20
21	1030.7	590.8	18.5	65.0	1036.0	910.5	32.8	51.7	1038.2	1072.4	0.3	9.2	1029.4	525.4	0	0.8	21
22	1029.5	530.3	7.3	30.0	1036.6	953.2	112.6	77.0	1037.6	1026.6	0.1	9.2	1029.2	515.7	0	0.8	22
23	1029.5	530.3	10.8	3.0	1035.2	856.5	40.6	77.0	1037.0	981.6	0.1	9.8	1029.0	505.9	0	0.8	23
24	1029.4	525.4	8.3	3.0	1034.4	804.5	25.9	40.4	1036.5	946.0	0.1	6.5	1028.8	496.7	0	0.8	24
25	1031.1	611.6	55.1	3.0	1034.0	778.9	18.4	20.0	1036.0	910.5	0.1	7.0	1028.6	487.4	0	0.8	25
26	1031.4	628.0	20.2	3.0	1033.9	772.8	13.1	5.0	1035.5	876.8	0	3.5	1028.44	478.2	0	0.8	26
27	1031.5	633.4	14.7	3.0	1034.4	804.5	77.1	49.4	1035.1	849.8	0.2	3.5	1028.2	468.9	0	0.8	27
28	1031.2	617.1	3.5	3.0	1032.8	706.7	38.9	78.0	1034.8	830.2	0.1	3.5	1028.0	459.7	0	0.8	28
29					1031.5	633.4	30.2	58.2	1034.4	804.5	0	3.5	1027.8	451.0	0	0.8	29
30					1031.4	628.0	25.7	19.5	1034.2	791.7	2.9	3.5	1027.7	446.6	0	0.8	30
31					1031.7	644.4	22.5	5.0					1027.5	437.9	0	0.8	31
TOTAL			1491.9	1197.0			1025.4	704.2			1932.8	1335.7			0	24.8	
Inf. Ac. Ft.			2959.1				2033.9				3833.7				0	2637.8	
Outf. Ac. Ft.			2374.2+(436.8)				1396.8+(609.7)				2649.3+(1037.1)				492+(304.6)	6469.5+(2736.4)	
Maximum Mean Daily Inflow			447.3				231.1				431.7				0	447.3	
Minimum Mean Daily Inflow			1.6				3.5				0				0	0	
Storage Change		+148.2				+ 27.3				+ 147.3				- 353.8		+437.9	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1043.8	feet on	4/3	Storage	1562.8	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	DRY	feet on	VAR. DAYS	Storage	0	Acre Feet	K.M. YORK	Dam Tender	Gage Hts. copied	JPR RAP
Max. Peak Inf.	1020.	C.F.S. from	7:00 A.M. on 4/3	to	8:00 A.M. on	4/3	J. HOLLERON	Hydrographer	Storage applied	JPR RAP
Max. Peak Outf.	498.	C.F.S. from	3:00 P.M. on 2/4	to	5:00 P.M. on	2/4		Hydrographer	Inf. & Outf. comp.	JPR RAP

REMARKS ( ) INDICATES PERCOLATION AND OTHER LOSSES
{ INDICATES AVERAGE FOR PERIOD

76D138N-68B Gib 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of DEVILS GATE Dam

In/On Arroyo Seco for the Year Ending September 30, 19 58

Continuous Water Stage Recorder Au

Drainage Area 31.9 Square Miles. Capacity of Reservoir 2709.1 Ac. Ft. at Spillway Elev. 1054 Ft. as of September 19 55

Gage Heights Read daily

Day	June Gage Height	June Acre Ft. Storage	June C.F.S. Inflow	June C.F.S. Outflow	July Gage Height	July Acre Ft. Storage	July C.F.S. Inflow	July C.F.S. Outflow	August Gage Height	August Acre Ft. Storage	August C.F.S. Inflow	August C.F.S. Outflow	September Gage Height	September Acre Ft. Storage	September C.F.S. Inflow	September C.F.S. Outflow	Day
1	1027.4	433.5	0	0.8	1023.0	264.8	0	0.3	1019.4	158.9	0	0	1016.8	100.9	0	0	1
2	1027.2	424.8	0	0.6	1022.8	258.4	0	0.3	1019.3	156.3	0	0	1016.7	99.0	0	0	2
3	1026.9	412.0	0	0.7	1022.7	255.1	0	0.3	1019.2	153.8	0	0	1016.6	97.2	0	0	3
4	1026.8	407.9	0	0.7	1022.6	251.9	0	0.3	1019.1	151.2	0	0	1016.6	97.2	0	0	4
5	1026.7	403.7	0	0.6	1022.5	248.7	0	0.3	1019.0	148.6	0	0	1016.5	95.4	0	0	5
6	1026.5	395.5	0	0.6	1022.3	242.3	0	0.3	1018.9	146.3	0	0	1016.4	93.6	0	0	6
7	1026.4	391.4	0	0.6	1022.2	239.0	0	0.3	1018.8	143.9	0	0	1016.4	93.6	0	0	7
8	1026.2	383.1	0	0.6	1022.1	235.8	0	0.3	1018.7	141.6	0	0	1016.3	91.7	0	0	8
9	1026.0	374.9	0	0.6	1022.0	232.6	0	0.2	1018.6	139.3	0	0	1016.2	89.9	0	0	9
10	1025.9	371.0	0	0.6	1021.9	229.6	0	0.2	1018.5	137.0	0	0	1016.1	88.1	0	0	10
11	1025.8	367.1	0	0.6	1021.7	223.5	0	0.2	1018.4	134.6	0	0	1016.1	88.1	0	0	11
12	1025.7	363.2	0	0.6	1021.6	220.5	0	0.2	1018.3	132.3	0	0	1016.0	86.3	0	0	12
13	1025.5	355.4	0	0.6	1021.5	217.5	0	0.2	1018.4	134.6	2.3	0	1015.9	84.8	0	0	13
14	1025.3	347.6	0	0.6	1021.4	214.5	0	0.1	1018.3	132.3	0	0	1015.8	83.2	0	0	14
15	1025.2	343.7	0	0.5	1021.3	211.5	0	0.1	1018.2	130.0	0	0	1015.8	83.2	0	0	15
16	1025.0	335.9	0	0.5	1021.2	208.4	0	0.1	1018.1	127.6	0	0	1015.7	81.7	0	0	16
17	1024.9	332.2	0	0.5	1021.1	205.4	0	0.1	1018.0	125.3	0	0	1015.6	80.1	0	0	17
18	1024.7	324.9	0	0.5	1021.0	202.4	0	0.1	1017.9	123.2	0	0	1015.6	80.1	0	0	18
19	1024.6	321.2	0	0.5	1020.8	196.8	0	0.1	1017.8	121.1	0	0	1015.5	78.6	0	0	19
20	1024.5	317.6	0	0.5	1020.7	194.0	0	0.1	1017.8	121.1	0	0	1015.4	77.1	0	0	20
21	1024.3	310.2	0	0.5	1020.6	191.2	0	+	1017.7	119.1	0	0	1015.4	77.1	0	0	21
22	1024.1	302.9	0	0.4	1020.5	188.4	0		1017.6	117.0	0	0	1015.3	75.5	0	0	22
23	1024.0	299.2	0	0.4	1020.4	185.6	0		1017.5	114.9	0	0	1015.3	75.5	0	0	23
24	1023.8	292.3	0	0.4	1020.2	180.0	0		1017.4	112.8	0	0	1015.2	74.0	0	0	24
25	1023.7	288.9	0	0.3	1020.1	177.2	0		1017.3	110.7	0	0	1015.2	74.0	0	0	25
26	1023.6	285.4	0	0.3	1020.0	174.4	0		1017.3	110.7	0	0	1015.1	72.4	0	0	26
27	1023.5	282.0	0	0.3	1019.9	171.8	0		1017.2	108.6	0	0	1015.0	70.9	0	0	27
28	1023.3	275.1	0	0.3	1019.8	169.2	0		1017.1	106.6	0	0	1015.0	70.9	0	0	28
29	1023.2	271.7	0	0.3	1019.7	166.7	0		1017.0	104.5	0	0	1014.9	69.6	0	0	29
30	1023.1	268.2	0	0.3	1019.6	164.1	0		1017.0	104.5	0	0	1014.8	68.3	0	0	30
31					1019.5	161.5	0	+	1016.9	102.7	0	0					31
TOTAL			0	15.5			0	4.1			2.3	0			0	0	
Inf. Ac. Ft.			0				0				4.6				0	9642.4	
Outf. Ac. Ft.			307 + (139.0)				87 + (98.6)				0 + (63.4)				0 + (34.3)	6907.7 + (3068.3)	
Maximum Mean Daily Inflow			0				0				2.3				0	447.3	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		-169.7				-106.7				-58.8				-34.4		68.3	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1043.8	feet	on 4/3	Storage	1562.8	Acre Feet	
Min. W. S. Elev.	DRY	feet	on VAR. DAYS	Storage	0	Acre Feet	
Max. Peak Inf.	1020.	C. F. S. from	7:00 A.M. on 4/3	to	8:00 A.M. on 4/3		
Max. Peak Outf.	498	C. F. S. from	3:00 P.M. on 2/4	to	5:00 P.M. on 2/4		

RECORDS COLLECTED BY

K.M. YORK	Dam Tender
J. HOLLERON	Hydrographer
	Hydrographer

COMPUTATIONS	ckd.	Date
Gage Hts. copied	RAP	HRW
Storage applied	RAP	HRW
Inf. & Outf. comp.	RAP	HRW

REMARKS ( ) INDICATES PERCOLATION AND OTHER LOSSES

76D138N-68B Gib 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of DEVILS GATE Dam

In/On Arroyo Seco for the Year Ending September 30, 19 59

Continuous Water Stage Recorder Au

Drainage Area 31.9 Square Miles. Capacity of Reservoir 2709.1 Ac. Ft. at Spillway Elev. 1054.0 Ft. as of September 19 56

Gage Heights Read daily

Day	October Gage Height	October Acre Ft. Storage	October C.F.S. Inflow	October C.F.S. Outflow	November Gage Height	November Acre Ft. Storage	November C.F.S. Inflow	November C.F.S. Outflow	December Gage Height	December Acre Ft. Storage	December C.F.S. Inflow	December C.F.S. Outflow	January Gage Height	January Acre Ft. Storage	January C.F.S. Inflow	January C.F.S. Outflow	Day
1	1014.8	683	.0	0	1015.7	81.7	0	0	1014.2	60.6	0	0	1012.6	45.4	0	0	1
2	1014.7	67.0	0	0	1015.7	81.7	0	0	1014.2	60.6	0	0	1012.7	44.5	0	0.2	2
3	1014.7	67.0	0	0	1015.6	80.1	0	0	1014.1	59.3	0	0	1012.6	43.6	0.5	0.6	3
4	1014.6	65.7	0	0	1015.6	80.1	0	0	1014.1	59.3	0	0	1012.5	42.7	0.4	0.6	4
5	1014.5	64.4	0	0	1015.5	78.6	0	0	1014.0	58.0	0	0	1016.5	95.4	28.0	0.4	5
6	1014.4	63.2	0	0	1015.5	78.6	0	0	1014.0	58.0	0	0	1024.5	317.6	114.7	0.5	6
7	1014.6	65.7	1.9	0	1015.4	77.1	0	0	1013.9	56.9	0	0	1024.4	313.9	0.4	0.2	7
8	1014.7	67.0	1.3	0	1015.3	75.5	0	0	1013.9	56.9	0	0	1024.2	306.5	0	0.2	8
9	1014.7	67.0	0.7	0	1015.3	75.5	0	0	1013.9	56.9	0	0	1024.1	302.9	0	0.2	9
10	1014.7	67.0	0	0	1015.2	74.0	0	0	1013.8	55.6	0	0	1024.0	299.2	0	0.2	10
11	1014.7	67.0	0	0	1015.2	74.0	0	0	1013.8	55.6	0	0	1023.8	292.3	0	0.2	11
12	1014.7	67.0	0	0	1015.1	72.4	0	0	1013.7	54.8	0	0	1023.7	288.9	0	0.2	12
13	1014.7	67.0	0	0	1015.1	72.4	0	0	1013.7	54.8	0	0	1023.6	285.4	0	0.1	13
14	1014.7	67.0	0	0	1015.0	70.9	0	0	1013.6	53.7	0	0	1023.5	282.0	0	0.1	14
15	1014.6	65.7	0	0	1015.0	70.9	0	0	1013.6	53.7	0	0	1023.3	275.1	0	0.1	15
16	1014.6	65.7	0	0	1014.9	69.6	0	0	1013.5	52.6	0	0	1023.3	275.1	0	0	16
17	1014.6	65.7	0	0	1014.8	68.3	0	0	1013.5	52.6	0	0	1023.2	271.7	0	0.1	17
18	1014.5	64.4	0	0	1014.7	67.0	0	0	1013.4	51.5	0	0	1023.1	268.2	0	0.1	18
19	1014.4	63.2	0	0	1014.7	67.0	0	0	1013.4	51.5	0	0	1023.0	264.6	0	0.1	19
20	1014.4	63.2	0	0	1014.7	67.0	0	0	1013.3	50.4	0	0	1022.9	261.6	0	0.1	20
21	1014.3	61.9	0	0	1014.7	67.0	0	0	1013.3	50.4	0	0	1022.8	258.4	0	0.1	21
22	1014.3	61.9	0	0	1014.6	65.7	0	0	1013.2	49.4	0	0	1022.8	258.4	0	0	22
23	1014.2	60.6	0	0	1014.6	65.7	0	0	1013.2	49.4	0	0	1022.7	255.1	0	0.1	23
24	1015.8	83.2	12.4	0	1014.6	65.7	0	0	1013.1	48.3	0	0	1022.6	251.9	0	0.1	24
25	1016.3	91.7	5.4	0	1014.5	64.4	0	0	1013.1	48.3	0	0	1022.5	248.7	0	0.1	25
26	1016.2	93.6	0.2	0	1014.5	64.4	0	0	1013.0	47.2	0	0	1022.4	245.5	0	0.1	26
27	1016.1	88.1	0	0	1014.4	63.2	0	0	1013.0	47.2	0	0	1022.3	242.3	0	0.1	27
28	1016.0	86.3	0	0	1014.4	63.2	0	0	1013.0	47.2	0	0	1022.2	239.0	0	0.1	28
29	1015.9	84.8	0	0	1014.3	61.9	0	0	1012.9	46.3	0	0	1022.1	235.8	0	0.1	29
30	1015.9	84.8	0	0	1014.3	61.9	0	0	1012.9	46.3	0	0	1022.0	232.6	0	0.2	30
31	1015.8	83.2	0	0					1012.8	45.4	0	0	1021.9	229.6	0	0.2	31
TOTAL			23.8	0			0	0			0	0			144.0	5.4	
Inf. Ac. Ft.			47.2				0				0				285.6	332.8	
Outf. Ac. Ft.			0 + (32.3)				0 + (21.3)				0 + (16.5)				107 + (30.8)	10.7 + (160.7)	
Maximum Mean Daily Inflow			12.4				0				0				114.7	114.7	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		+14.9				-21.3				-16.5				+134.2		+161.3	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1032.9	feet	on 2/16/59	Storage	712.4	Acre Feet	
Min. W. S. Elev.	DRY	feet	on VARIOUS DAYS	Storage	0	Acre Feet	
Max. Peak Inf.	1280.	C. F. S. from	3:30 A.M. on 1/6/59	to	3:45 A.M. on 1/6/59		
Max. Peak Outf.	153.0	C. F. S. from	4:15 P.M. on 2/16/59	to	8:00 A.M. on 2/17/59		

RECORDS COLLECTED BY

K.M. YORK	Dam Tender
J. HOLLERON	Hydrographer
	Hydrographer

COMPUTATIONS	ckd.	Date
Gage Hts. copied	HRW	TS
Storage applied	HRW	TS
Inf. & Outf. comp.	TS	RAP

REMARKS ( ) INDICATES PERCOLATION AND OTHER LOSSES

76D138N-68B Glb 12-57

Daily Gage Height in feet and Operation Record of DEVILS GATE Dam

In/On Arroyo Seco for the Year Ending September 30, 19 59

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder Au

Drainage Area 31.9 Square Miles. Capacity of Reservoir 2709.1 Ac. Ft. at Spillway Elev. 1054.0 Ft. as of September 1955 Gage Heights Read daily

Day	February Gage Height	February Acre Ft. Storage	February C.F.S. Inflow	February C.F.S. Outflow	March Gage Height	March Acre Ft. Storage	March C.F.S. Inflow	March C.F.S. Outflow	April Gage Height	April Acre Ft. Storage	April C.F.S. Inflow	April C.F.S. Outflow	May Gage Height	May Acre Ft. Storage	May C.F.S. Inflow	May C.F.S. Outflow	Day
1	1021.9	229.6	0	0	1027.3	429.2	0	0.2	1024.0	299.2	0	0.2	1021.5	217.5	0	0.1	1
2	1021.8	226.6	0	0.2	1027.2	424.8	0	0.2	1023.9	295.8	0	0.2	1021.4	214.5	0	0.1	2
3	1021.7	223.5	0	0.2	1027.1	420.5	0	0.2	1023.8	292.3	0	0.2	1021.3	211.5	0	0.1	3
4	1021.7	223.5	0	0	1027.0	416.1	0	0.2	1023.7	288.9	0	0.2	1021.2	208.4	0	0.1	4
5	1021.6	220.5	0	0.2	1026.9	412.0	0	0.2	1023.6	285.4	0	0.2	1021.1	205.4	0	0.1	5
6	1021.5	217.5	0	0.2	1026.8	407.9	0	0.2	1023.5	282.0	0	0.2	1021.0	202.4	0	0.1	6
7	1021.5	217.5	0	0	1026.7	403.7	0	0.2	1023.4	278.6	0	0.2	1020.9	199.6	0	0.1	7
8	1022.1	235.8	10.7	0.2	1026.6	399.6	0	0.2	1023.3	275.1	0	0.2	1020.8	196.8	0	0.1	8
9	1022.1	235.8	1.5	0.2	1026.5	395.5	0	0.2	1023.2	271.7	0	0.2	1020.6	196.8	0	0.1	9
10	1022.4	245.5	6.9	0.2	1026.4	391.4	0	0.2	1023.1	268.2	0	0.2	1020.7	194.0	0	0.1	10
11	1029.3	520.5	143.7	0.3	1026.3	387.3	0	0.2	1023.0	264.8	0	0.2	1020.6	191.2	0	0.1	11
12	1029.1	510.8	0	0.3	1026.2	383.1	0	0.2	1022.9	261.6	0	0.2	1020.5	188.4	0	0.1	12
13	1028.9	501.3	0	0.3	1026.1	379.0	0	0.2	1022.8	258.4	0	0.2	1020.4	185.6	0	0.1	13
14	1028.8	496.7	0	0.3	1026.0	374.9	0	0.2	1022.7	255.1	0	0.2	1020.3	182.8	0	0.1	14
15	1028.9	501.3	4.6	0.3	1025.9	371.0	0	0.2	1022.6	251.9	0	0.2	1020.2	180.0	0	0.1	15
16	1032.6	695.2	160.4	55.7	1025.8	367.1	0	0.2	1022.5	248.7	0	0.2	1020.1	177.2	0	0.1	16
17	1028.0	459.7	12.8	127.5	1025.6	359.3	0	0.2	1022.4	245.5	0	0.2	1020.0	174.4	0	0.1	17
18	1027.9	455.3	0	0.3	1025.5	355.4	0	0.2	1022.3	242.3	0	0.2	1019.9	171.8	0	0.1	18
19	1027.8	451.0	0	0.3	1025.4	351.5	0	0.2	1022.2	239.0	0	0.2	1019.8	169.2	0	0	19
20	1027.7	446.6	0	0.3	1025.3	347.6	0	0.2	1022.1	235.8	0	0.2	1019.8	169.2	0	0	20
21	1028.3	473.6	15.8	0.3	1025.2	343.7	0	0.2	1022.0	232.6	0	0.2	1019.7	166.7	0	0	21
22	1028.2	468.9	0	0.3	1025.1	339.8	0	0.2	1021.9	229.6	0	0.2	1019.7	166.7	0	0	22
23	1028.0	459.7	0	0.3	1025.0	335.9	0	0.2	1021.8	226.6	0	0.2	1019.6	164.1	0	0	23
24	1027.9	455.3	0	0.3	1024.9	332.2	0	0.2	1021.7	223.5	0	0.2	1019.6	164.1	0	0	24
25	1027.8	451.0	0	0.3	1024.8	328.6	0	0.2	1022.1	235.8	7.8	0.2	1019.5	161.5	0	0	25
26	1027.7	446.6	0	0.3	1024.7	324.9	0	0.2	1022.0	232.6	0	0.2	1019.4	158.9	0	0	26
27	1027.6	442.3	0	0.3	1024.6	321.2	0	0.2	1021.9	229.6	0	0.2	1019.3	156.3	0	0	27
28	1027.5	437.9	0	0.3	1024.5	317.6	0	0.2	1021.8	226.6	0	0.2	1019.3	156.3	0	0	28
29					1024.4	313.9	0	0.2	1021.7	223.5	0	0.2	1019.2	153.8	0	0	29
30					1024.3	310.2	0	0.2	1021.6	220.5	0	0.2	1019.1	151.2	0	0	30
31					1024.2	306.5	0	0.2					1019.0	148.6	0	0	31
TOTAL			356.4	169.4			0	6.2			7.8	6.0			0	1.8	
Inf. Ac. Ft.			706.9				0				15.5				0	1055.2	
Outf. Ac. Ft.			375.7 +(123.0)				123.+(119.0)				119 + (39.6)			3.6 (68.2)		414.2 *(560.5)	
Maximum Mean Daily Inflow			160.4				0				7.8				0	160.4	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		+208.3				-131.4				-86.0				-71.9		+80.3	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1032.9	feet	on	2/16/59	Storage	712.4	Acre Feet			
Min. W. S. Elev.	DRY	feet	on	VARIOUS DAYS	Storage	0	Acre Feet			
Max. Peak Inf.	1280.	C. F. S. from		3:30 A.M. on	1/6/59	to	3:45 A.M. on	1/6/59		
Max. Peak Outf.	153.0	C. F. S. from		4:15 P.M. on	2/16/59	to	8:00 A.M. on	2/17/59		

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
K.M. YORK	Dam Tender	Gage Hts. copied	RAP TS	
J. HOLLERON	Hydrographer	Storage applied	RAP TS	
	Hydrographer	Inf. & Outf. comp.	TS RAP	

REMARKS ( ) INDICATES PERCOLATION AND OTHER LOSSES

76D138N-68B Glb 12-57

Daily Gage Height in feet and Operation Record of DEVILS GATE Dam

In/On Arroyo Seco for the Year Ending September 30, 19 59

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder Au

Drainage Area 31.9 Square Miles. Capacity of Reservoir 2709.1 Ac. Ft. at Spillway Elev. 1054.0 Ft. as of September 1955 Gage Heights Read daily

Day	June Gage Height	June Acre Ft. Storage	June C.F.S. Inflow	June C.F.S. Outflow	July Gage Height	July Acre Ft. Storage	July C.F.S. Inflow	July C.F.S. Outflow	August Gage Height	August Acre Ft. Storage	August C.F.S. Inflow	August C.F.S. Outflow	September Gage Height	September Acre Ft. Storage	September C.F.S. Inflow	September C.F.S. Outflow	Day
1	1019.0	148.6	0	0	1016.8	100.9	0	0.7	1011.9	37.4	0	0.5		DRY	0	0	1
2	1018.9	146.3	0	0	1016.7	99.0	0	0.7	1011.7	35.9	0	0.5			0	0	2
3	1018.8	143.9	0	0	1016.5	95.4	0	0.7	1011.4	33.6	0	0.5			0	0	3
4	1018.7	141.6	0	0	1016.4	93.6	0	0.7	1011.2	32.1	0	0.5			0	0	4
5	1018.7	141.6	0	0	1016.2	89.9	0	0.6	1011.0	30.6	0	0.5			0	0	5
6	1018.6	139.3	0	0	1016.1	88.1	0	0.6	1010.7	28.7	0	0.5			0	0	6
7	1018.6	139.3	0	0	1015.9	84.8	0	0.6	1010.3	26.3	0	0.5			0	0	7
8	1018.5	137.0	0	0	1015.8	83.2	0	0.6	1010.0	24.4	0	0.5			0	0	8
9	1018.4	134.6	0	0	1015.6	80.1	0	0.6	1009.6	22.4	0	0.5			0	0	9
10	1018.3	132.3	0	0	1015.5	78.6	0	0.6	1009.2	20.4	0	0.5			0	0	10
11	1018.3	132.3	0	0	1015.3	75.5	0	0.6	1008.5	17.3	0	0.5			0	0	11
12	1018.2	130.0	0	0	1015.2	74.0	0	0.6	1006.7	11.0	0	0.5			0	0	12
13	1018.1	127.6	0	0	1015.0	70.9	0	0.6	1002.3	*2.8	0	0.5		DRY	0	0	13
14	1018.0	125.3	0	0	1014.9	69.6	0	0.6		POOL	0	0.5	SMALL	POOL	0	0	14
15	1018.0	125.3	0	0	1014.7	67.0	0	0.6		POOL	0	0		POOL	0	0	15
16	1017.9	123.2	0	0	1014.6	65.7	0	0.6		POOL	0	0			0	0	16
17	1017.8	121.1	0	0	1014.4	63.2	0	0.6		MUD	0	0			0	0	17
18	1017.8	121.1	0	0	1014.3	61.9	0	0.6			0	0			0	0	18
19	1017.7	119.1	0	0	1014.1	59.3	0	0.6			0	0			0	0	19
20	1017.6	117.0	0	0	1014.0	58.0	0	0.6			0	0			0	0	20
21	1017.6	117.0	0	0	1013.9	56.9	0	0.6			0	0			0	0	21
22	1017.5	114.9	0	0	1013.8	55.8	0	0.6			0	0			0	0	22
23	1017.4	112.8	0	0	1013.6	53.7	0	0.6		MUD	0	0			0	0	23
24	1017.3	110.7	0	0	1013.4	51.5	0	0.6		DRY	0	0			0	0	24
25	1017.3	110.7	0	0	1013.2	49.4	0	0.6			0	0			0	0	25
26	1017.2	108.6	0	0	1013.0	47.2	0	0.6			0	0			0	0	26
27	1017.1	106.6	0	0	1012.9	46.3	0	0.5			0	0			0	0	27
28	1017.1	106.6	0	0	1012.7	44.5	0	0.5			0	0			0	0	28
29	1017.0	104.5	0	0	1012.5	42.7	0	0.5			0	0			0	0	29
30	1016.9	102.7	0	0.2	1012.3	40.9	0	0.5			0	0		POOL	0	0	30
31			9		1012.1	39.1	0	0.5		DRY	0	0					31
TOTAL			0	0.2			0	18.5			0	7.0			0	0	
Inf. Ac. Ft.			0				0				0				0	1055.2	
Outf. Ac. Ft.			0.4 + (45.4)				36.7 + (27.0)				13.9 + (25.2)				0	465.2 + (658.1)	
Maximum Mean Daily Inflow			0				0				0				0	160.4	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		- 45.9				-63.6				-39.1				+		- 68.3	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1032.9	feet	on	2/16/59	Storage	712.4	Acre Feet			
Min. W. S. Elev.	DRY	feet	on	VARIOUS DAYS	Storage	0	Acre Feet			
Max. Peak Inf.	1280.	C. F. S. from		3:30 A.M. on	1/6/59	to	3:45 A.M. on	1/6/59		
Max. Peak Outf.	153.0	C. F. S. from		4:15 P.M. on	2/16/59	to	8:00 A.M. on	2/17/59		

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
K.M. YORK	Dam Tender	Gage Hts. copied	RAP TS	
J. HOLLERON	Hydrographer	Storage applied	RAP TS	
	Hydrographer	Inf. & Outf. comp.	TS RAP	

REMARKS ( ) INDICATES PERCOLATION AND OTHER LOSSES

76D138N-68B Gib 12-57

Daily Gage Height in feet and Operation Record of EATON WASH Dam

In/On Eaton Wash for the Year Ending September 30, 1958

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder: Au

Drainage Area 9.48 Square Miles. Capacity of Reservoir 667.2 Ac. Ft. at Spillway Elev. 887.5 Ft. as of May 1957. Gage Heights: Read daily

Day	October Gage Height	October Acre Ft. Storage	October C.F.S. Inflow	October C.F.S. Outflow	November Gage Height	November Acre Ft. Storage	November C.F.S. Inflow	November C.F.S. Outflow	December Gage Height	December Acre Ft. Storage	December C.F.S. Inflow	December C.F.S. Outflow	January Gage Height	January Acre Ft. Storage	January C.F.S. Inflow	January C.F.S. Outflow	Day
1		0	0	0	853.3	2.6	0	0	849.8	0.2	0	0	854.5	4.9	0	0	1
2				0	854.9	5.7	4.5	0	849.6	0.2	0	0	854.4	4.7	0	0	2
3				0	854.7	5.3	+	0	849.3	0.2	0	0	854.3	4.5	0	0	3
4				0	854.5	4.9	0	0	854.1	4.1	2.1	0	854.2	4.3	0	0	4
5				0	854.4	4.7	0	0	857.1	12.6	6.1	0	854.1	4.1	0	0	5
6				0	854.2	4.3	0	0	856.6	10.8	0	0	854.1	4.1	0	0	6
7				0	854.1	4.1	0	0	856.3	9.8	0	0	854.0	3.9	0	0	7
8				0	853.9	3.7	0	0	856.1	9.1	0	0	853.9	3.7	0	0	8
9				0	853.8	3.6	0	0	855.9	8.5	0	0	853.8	3.6	0	0	9
10		0	0	0	853.7	3.4	0	0	855.7	7.9	0	0	853.8	3.6	0	0	10
11	853.2	2.7	2.9	0	853.6	3.2	0	0	855.5	7.3	0	0	853.7	3.4	0	0	11
12	852.9	2.3	0	0	853.5	3.1	0	0	855.4	7.0	0	0	853.6	3.2	0	0	12
13	853.6	3.3	1.5	0	853.4	2.9	0	0	855.2	6.5	0	0	853.5	3.1	0	0	13
14	854.0	3.9	1.3	0	853.2	2.6	0	0	855.0	5.9	0	0	853.5	3.1	0	0	14
15	853.7	3.5	0	0	853.1	2.5	0	0	861.3	36.4	17.9	0	853.4	2.9	0	0	15
16	853.5	3.2	0	0	853.0	2.3	0	0	863.7	58.0	13.1	0	853.3	2.8	0	0	16
17	853.3	2.9	0	0	852.9	2.2	0	0	865.6	78.5	13.1	0	853.2	2.6	0	0	17
18	853.0	2.4	0	0	852.8	2.1	0	0	865.2	74.0	0.5	0	853.1	2.5	0	0	18
19	852.8	2.2	0	0	852.7	2.0	0	0	864.5	66.4	0	+	853.0	2.3	0	0	19
20	854.6	5.2	3.0	0	852.5	1.8	0	0	862.8	49.2	0.2	6.6	852.9	2.2	0	0	20
21	854.4	4.8	0	0	852.3	1.5	0	0	857.1	12.6	3.3	20.0	852.8	2.1	0	0	21
22	854.1	4.2	0	0	852.1	1.3	0	0	855.1	6.2	1.7	4.6	852.7	2.0	0	0	22
23	853.9	3.8	0	0	851.9	1.2	0	0	855.2	6.5	0.4	0	852.6	1.9	0	0	23
24	853.8	3.6	0	0	851.6	1.0	0	0	855.0	5.9	0	0	852.6	1.9	0	0	24
25	853.7	3.5	0	0	851.2	0.7	0	0	855.0	5.9	0	0	856.3	9.8	6.0	0	25
26	853.5	3.2	0	0	850.8	0.5	0	0	855.0	5.9	0	0	862.5	46.5	20.5	0	26
27	853.4	3.0	0	0	850.5	0.4	0	0	854.9	5.7	0	0	862.1	42.9	0.2	0	27
28	853.3	2.9	0	0	850.2	0.3	0	0	854.8	5.5	0	0	861.7	39.6	0	0	28
29	853.1	2.6	0	0	850.1	0.3	0	0	854.8	5.5	0	0	861.4	37.2	0	0	29
30	853.0	2.4	0	0	850.0	0.3	0	0	854.7	5.3	0	0	861.0	34.0	0	0	30
31	853.4	3.0	1.3	0					854.6	5.1	0	0	860.7	31.9	0	0	31
TOTAL			10.0	0			4.5	0			58.4	31.2			26.7	0	
Inf. Ac. Ft.			198				8.9				115.8				53.0	19.5	
Outf. Ac. Ft.			0 +(16.8)				0 +(11.6)				61.9+(49.1)				0+(26.2)	61.9+(103.7)	
Maximum Mean Daily Inflow			3.0				4.5				17.9				20.5	17.9	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		+3.0				-2.7				+4.6				+26.8		+31.9	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	885.4	feet	on	4/4	Storage	634.9	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	DRY	feet	on	VAR. DAYS	Storage	0	Acre Feet	H.E. WILSON	Dam Tender	Gage Hts. copied	FES	RAP
Max. Peak Inf.	443.	C.F.S. from	5:00 A.M. on	4/1	to	6:00 A.M. on	4/1	J. HOLLERON	Hydrographer	Storage applied	FES	RAP
Max. Peak Outf.	145.	C.F.S. from	1:30 P.M. on	4/4	to	2:30 P.M. on	4/4		Hydrographer	Inf. & Outf. comp.	FES	RAP

REMARKS ( ) INDICATES EVAPORATION AND OTHER LOSSES

76D138N-68B Gib 12-57

Daily Gage Height in feet and Operation Record of EATON WASH Dam

In/On Eaton Wash for the Year Ending September 30, 1958

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder: Au

Drainage Area 9.48 Square Miles. Capacity of Reservoir 667.2 Ac. Ft. at Spillway Elev. 887.5 Ft. as of May 1957. Gage Heights: Read daily

Day	February Gage Height	February Acre Ft. Storage	February C.F.S. Inflow	February C.F.S. Outflow	March Gage Height	March Acre Ft. Storage	March C.F.S. Inflow	March C.F.S. Outflow	April Gage Height	April Acre Ft. Storage	April C.F.S. Inflow	April C.F.S. Outflow	May Gage Height	May Acre Ft. Storage	May C.F.S. Inflow	May C.F.S. Outflow	Day
1	860.4	29.8	0	+	864.7	68.5	1.6	0	877.9	321.1	150.4	137	867.6	103.5	1.8	4.5	1
2	860.5	30.5	11.9	+	864.5	66.4	1.6	0	880.3	391.4	58.0	15.9	866.4	98.1	2.0	6.6	2
3	868.4	114.4	70.0	24.0	864.3	64.2	1.5	0	884.9	552.1	138.8	50.0	863.0	71.7	1.2	6.6	3
4	874.3	224.8	124.0	63.0	864.1	62.1	1.4	0	883.6	504.1	72.5	89.0	863.4	55.0	0.5	6.6	4
5	873.1	197.8	35.2	44.0	863.9	60.0	1.5	0	878.9	349.7	64.5	136.0	861.6	38.8	0.4	6.6	5
6	872.0	175.6	9.2	15.6	864.1	62.1	3.5	0	878.9	349.7	59.3	53.0	859.7	25.3	0.4	5.8	6
7	869.7	134.1	3.2	20.0	864.0	61.0	2.0	0	880.1	384.9	64.4	40.0	858.6	18.8	1.3	3.5	7
8	867.0	95.6	3.9	20.0	863.8	59.0	1.5	0	881.4	427.5	31.4	3.1	858.7	19.7	1.6	0	8
9	865.2	74.0	5.7	13.8	863.6	57.0	1.3	0	882.9	479.0	33.5	+	858.9	20.7	1.8	0	9
10	864.9	70.6	1.1	0	863.4	55.0	1.4	0	883.4	496.9	26.6	10.0	859.1	21.8	1.8	0	10
11	864.7	68.5	0	0	863.2	53.0	1.3	0	883.3	493.3	25.8	20.0	859.3	22.9	1.9	0	11
12	864.5	66.4	0	0	863.0	51.0	1.3	0	882.9	479.0	20.3	20.0	859.4	23.5	1.6	0	12
13	864.3	64.2	0	0	862.9	50.1	1.8	0	882.5	465.1	20.5	20.0	859.4	23.5	1.3	0	13
14	864.1	62.1	0	0	862.7	48.3	1.3	0	881.9	444.3	14.7	18.0	859.5	24.1	1.7	0	14
15	863.8	59.0	0	0	864.8	69.6	13.4	0	881.3	424.2	12.2	15.2	859.5	24.1	1.4	0	15
16	863.6	57.0	0	0	871.7	169.9	55.2	0	880.9	410.9	12.0	11.8	859.5	24.1	1.4	0	16
17	863.4	55.0	0	0	871.7	169.9	14.4	9.8	880.4	394.7	10.4	11.8	859.5	24.1	1.4	0	17
18	863.2	53.0	0	0	865.7	79.7	11.4	54.0	879.8	375.9	8.9	11.8	859.5	24.1	1.4	0	18
19	870.2	142.4	50.9	1.6	861.2	35.6	5.6	26.0	879.1	355.5	7.9	11.8	859.5	24.1	1.4	0	19
20	868.7	118.6	2.2	10.4	863.1	52.0	10.5	0	878.3	332.6	6.5	11.8	857.0	12.2	0.6	5.2	20
21	867.0	95.6	2.1	10.4	864.6	67.4	10.4	0	877.5	309.7	6.1	11.8	852.5	1.8	0	3.7	21
22	865.4	76.3	4.8	11.8	868.0	108.8	24.5	0	875.3	249.1	3.1	28.0		0	0	0.5	22
23	865.1	72.8	1.7	0.6	868.8	120.0	9.4	0	872.6	191.6	2.8	27.0		0	0.5	0.5	23
24	864.9	70.6	1.7	0	869.1	124.4	6.1	0	871.8	171.8	6.4	11.8		0	0.4	0.4	24
25	865.5	77.4	6.2	0	869.2	126.0	4.7	0	870.9	154.8	4.6	8.8		0	0.3	0.3	25
26	865.3	75.1	1.6	0	869.1	124.4	3.1	0	870.9	154.8	4.4	+		0	0.2	0.2	26
27	865.1	72.8	1.7	0	869.4	129.2	17.0	10.7	870.5	147.8	2.4	1.6		0	0.1	0.1	27
28	864.9	70.6	1.7	0	868.0	108.8	8.8	15.4	869.8	135.7	2.0	4.0		0	0.1	0.1	28
29					863.9	60.0	3.9	26.0	869.1	124.4	2.3	4.0		0	0.1	0.1	29
30					863.2	53.0	8.5	9.8	868.5	115.8	3.4	4.0		0	0	0	30
31					864.1	62.1	7.2	0						0	0	0	31
TOTAL			328.8	235.2			237.1	151.7			876.1	663.9			28.6	51.3	
Inf. Ac. Ft.			652.2				470.3				1737.7				56.7	3114.4	
Outf. Ac. Ft.			466.5 +(147.0)				300.9 +(177.9)				1316.8 + (367.1)				101.8+(70.8)	2247.9 +(866.5)	
Maximum Mean Daily Inflow			124.0				55.2				150.4				2.0	150.4	
Minimum Mean Daily Inflow			0				1.3				2.0				0	0	
Storage Change		+38.7				-8.5				+53.7				-115.8		0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	885.4	feet	on	4/4	Storage	634.9	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	DRY	feet	on	VAR. DAYS	Storage	0	Acre Feet	H.E. WILSON	Dam Tender	Gage Hts. copied	FES	RAP
Max. Peak Inf.	443.	C.F.S. from	5:00 A.M. on	4/1	to	6:00 A.M. on	4/1	J. HOLLERON	Hydrographer	Storage applied	FES	RAP
Max. Peak Outf.	145.	C.F.S. from	1:30 P.M. on	4/4	to	2:30 P.M. on	4/4		Hydrographer	Inf. & Outf. comp.	FES	RAP

REMARKS ( ) INDICATES EVAPORATION AND OTHER LOSSES

76D138N-58B Gib 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of EATON WASH Dam

In/On Eaton Wash for the Year Ending September 30, 19 58

Continuous Water Stage Recorder Au

Drainage Area 9.48 Square Miles. Capacity of Reservoir 657.2 Ac. Ft. at Spillway Elev. 887.5 Ft. as of May 19 57

Gage Heights Read daily

Day	June Gage Height	June Acre Ft. Storage	June C.F.S. Inflow	June C.F.S. Outflow	July Gage Height	July Acre Ft. Storage	July C.F.S. Inflow	July C.F.S. Outflow	August Gage Height	August Acre Ft. Storage	August C.F.S. Inflow	August C.F.S. Outflow	September Gage Height	September Acre Ft. Storage	September C.F.S. Inflow	September C.F.S. Outflow	Day
1	8490	0	0	0			0	0			0	0			0	0	1
2			0	0			0	0			0	0			0	0	2
3			0	0			0	0			0	0			0	0	3
4			0	0			0	0			0	0			0	0	4
5			0	0			0	0			0	0			0	0	5
6			0	0			0	0			0	0			0	0	6
7			0	0			0	0			0	0			0	0	7
8			0	0			0	0			0	0			0	0	8
9			0	0			0	0			0	0			0	0	9
10			0	0			0	0			0	0			0	0	10
11			0	0			0	0			0	0			0	0	11
12			0	0			0	0			0	0			0	0	12
13			0	0			0	0			0	0			0	0	13
14		NO STORAGE	0	0		NO STORAGE	0	0		NO STORAGE	0	0		NO STORAGE	0	0	14
15			0	0			0	0			0	0			0	0	15
16			0	0			0	0			0	0			0	0	16
17			0	0			0	0			0	0			0	0	17
18			0	0			0	0			0	0			0	0	18
19			0	0			0	0			0	0			0	0	19
20			0	0			0	0			0	0			0	0	20
21			0	0			0	0			0	0			0	0	21
22			0	0			0	0			0	0			0	0	22
23			0	0			0	0			0	0			0	0	23
24			0	0			0	0			0	0			0	0	24
25			0	0			0	0			0	0			0	0	25
26			0	0			0	0			0	0			0	0	26
27			0	0			0	0			0	0			0	0	27
28			0	0			0	0			0	0			0	0	28
29			0	0			0	0			0	0			0	0	29
30			0	0			0	0			0	0			0	0	30
31							0	0			0	0					31
TOTAL			0	0			0	0			0	0			0	0	
Inf. Ac. Ft.			0				0				0				0	3114.4	
Outf. Ac. Ft.			0				0				0				0	2247.9 + (866.5)	
Maximum Mean Daily Inflow			0				0				0				0	150.4	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		0				0				0				0		0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	885.4	feet on	4/4	Storage	634.9	Acre Feet	RECORDS COLLECTED BY		
Min. W. S. Elev.	DRY	feet on	VAR. DAYS	Storage	0	Acre Feet	H.E. WILSON	Dam Tender	
Max. Peak Inf.	443.	C.F.S. from	5:00 A.M. on 4/1	to	6:00 A.M. on	4/1	J. HOLLERON	Hydrographer	
Max. Peak Outf.	145.	C.F.S. from	1:30 P.M. on 4/4	to	2:30 P.M. on	4/4		Hydrographer	

COMPUTATIONS	ckd.	Date
Gage Hts. copied	HRW FES	
Storage applied	HRW FES	
Inf. & Outf. comp.	HRW FES	

REMARKS

76D138N-58B Gib 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of EATON WASH Dam

In/On Eaton Wash for the Year Ending September 30, 19 59

Continuous Water Stage Recorder Au

Drainage Area 9.48 Square Miles. Capacity of Reservoir 654.8 Ac. Ft. at Spillway Elev. 887.5 Ft. as of November 19 58

Gage Heights Read daily

Day	October Gage Height	October Acre Ft. Storage	October C.F.S. Inflow	October C.F.S. Outflow	November Gage Height	November Acre Ft. Storage	November C.F.S. Inflow	November C.F.S. Outflow	December Gage Height	December Acre Ft. Storage	December C.F.S. Inflow	December C.F.S. Outflow	January Gage Height	January Acre Ft. Storage	January C.F.S. Inflow	January C.F.S. Outflow	Day
1			0	0	8493	0.2	0	0		POOL	0	0		POOL	0	0	1
2			0	0	8490	0.2	0	0			0	0			0	0	2
3			0	0		POOL	0	0			0	0			0	0	3
4			0	0			0	0			0	0		POOL	0	0	4
5			0	0			0	0			0	0	8543	5.1	2.9	0	5
6			0	0			0	0			0	0	8634	62.8	33.1	0	6
7			0	0			0	0			0	0	8627	55.3	0	0	7
8			0	0			0	0			0	0	8622	50.3	0	0	8
9			0	0			0	0			0	0	8618	46.6	0	0	9
10			0	0			0	0			0	0	8616	44.8	0	0	10
11			0	0			0	0			0	0	8613	42.2	0	0	11
12			0	0			0	0			0	0	8611	40.5	0	0	12
13			0	0			0	0			0	0	8608	38.1	0	0	13
14			0	0			0	0			0	0	8606	36.6	0	0	14
15		NO STORAGE	0	0			0	0			0	0	8604	35.1	0	0	15
16			0	0			0	0			0	0	8603	34.4	0	0	16
17			0	0			0	0			0	0	8601	32.8	0	0	17
18			0	0			0	0			0	0	8599	31.4	0	0	18
19			0	0			0	0			0	0	8598	30.8	0	0	19
20			0	0			0	0			0	0	8596	29.4	0	0	20
21			0	0			0	0			0	0	8595	28.8	0	0	21
22			0	0			0	0			0	0	8594	28.1	0	0	22
23			0	0			0	0			0	0	8593	27.4	0	0	23
24	8531	2.7	1.7	0			0	0			0	0	8591	26.1	0	0	24
25	8547	6.2	2.0	0			0	0			0	0	8590	25.4	0	0	25
26	8543	5.1	0	0			0	0			0	0	8589	24.8	0	0	26
27	8540	4.4	0	0			0	0			0	0	8587	23.7	0	0	27
28	8537	3.8	0	0			0	0			0	0	8586	23.1	0	0	28
29	8533	3.4	0	0			0	0			0	0	8585	22.5	0	0	29
30	8528	2.3	0	0		POOL	0	0			0	0	8584	21.9	0	0	30
31	8515	0.9	0	0						POOL	0	0	8583	21.3	0	0	31
TOTAL			3.7	0			0	0			0	0			36.0	0	
Inf. Ac. Ft.			7.3				0				0				71.4	78.7	
Outf. Ac. Ft.			0 + (6.4)				0 + (0.9)				0				0 + (50.2)	0 + (57.5)	
Maximum Mean Daily Inflow			2.0				0				0				33.1	33.1	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		+ 0.9				- 0.9				0				+ 21.3		+ 21.3	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	865.9	feet on	2/16/59	Storage	93.4	Acre Feet	RECORDS COLLECTED BY		
Min. W. S. Elev.	DRY	feet on	VARIOUS DAYS	Storage	0	Acre Feet	H.E. WILSON	Dam Tender	
Max. Peak Inf.	702.0	C.F.S. from	4:45 A.M. on 1/6/59	to	5:00 A.M. on	1/6/59	J. HOLLERON	Hydrographer	
Max. Peak Outf.	164.0	C.F.S. from	4:42 P.M. on 2/16/59	to	8:00 P.M. on	2/16/59		Hydrographer	

COMPUTATIONS	ckd.	Date
Gage Hts. copied	RAP TS	
Storage applied	RAP TS	
Inf. & Outf. comp.	TS RAP	

REMARKS ( ) INDICATED EVAPORATION AND OTHER LOSSES

76D138N-68B Gib 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of EATON WASH Dam

~~In~~ On Eaton Wash for the Year Ending September 30, 1959

Continuous Water Stage Recorder Au

Drainage Area 9.48 Square Miles. Capacity of Reservoir 654.8 Ac. Ft. at Spillway Elev. 687.5 Ft. as of November 1956 Gage Heights Read daily

Day	February				March				April				May				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	858.2	208	0	0	860.9	386	0	0	857.7	181	0	0	853.4	32	0	0	1
2	858.1	202	0	0	860.7	374	0	0	857.6	176	0	0	853.3	31	0	0	2
3	858.0	196	0	0	860.6	366	0	0	857.5	172	0	0	853.2	29	0	0	3
4	857.9	191	0	0	860.4	351	0	0	857.5	172	0	0	853.0	25	0	0	4
5	857.8	186	0	0	860.3	344	0	0	857.4	167	0	0	852.9	24	0	0	5
6	857.7	181	0	0	860.2	336	0	0	857.4	167	0	0	852.7	21	0	0	6
7	857.7	181	02	0	860.0	321	0	0	857.3	162	0	0	852.4	18	0	0	7
8	858.3	213	19	0	859.9	314	0	0	857.3	162	0	0	852.2	15	0	0	8
9	858.2	208	0	0	859.8	308	0	0	857.2	157	0	0	852.0	13	0	0	9
10	858.2	208	03	0	859.7	301	0	0	857.1	152	0	0	851.8	12	0	0	10
11	863.0	583	378	150	859.5	288	0	0	857.0	147	0	0	851.5	09	0	0	11
12	860.2	336	03	121	859.4	281	0	0	856.8	138	0	0	851.2	07	0	0	12
13	860.1	328	02	0	859.3	274	0	0		POOL	0	6.6	850.8	05	0	0	13
14	860.0	321	0	0	859.2	267	0	0		0	0	0	850.2	03	0	0	14
15	860.1	328	08	0	859.1	261	0	0			0	0	849.8	02	0	0	15
16	864.5	756	551	290	859.0	254	0	0			0	0	849.5	02	0	0	16
17	861.2	413	52	200	858.9	248	0	0			0	0	849.3	02	0	0	17
18	861.5	440	39	0	858.8	242	0	0			0	0	849.1	02	0	0	18
19	861.3	422	0	0	858.7	237	0	0			0	0	849.0	02	0	0	19
20	861.1	405	0	0	858.6	231	0	0			0	0		0	0	0	20
21	862.3	513	84	0	858.5	225	0	0			0	0			0	0	21
22	862.1	493	19	0	858.4	219	0	0			0	0			0	0	22
23	861.9	474	0	0	858.4	219	0	0			0	0			0	0	23
24	861.7	457	0	0	858.3	213	0	0		0	0	0			0	0	24
25	861.5	440	0	0	858.1	202	0	0	854.1	46	2.3	0			0	0	25
26	861.3	422	0	0	858.0	196	0	0	854.0	44	0	0			0	0	26
27	861.2	413	0	0	857.9	191	0	0	853.9	42	0	0			0	0	27
28	861.1	405	0	0	857.9	191	0	0	853.8	40	0	0			0	0	28
29					857.8	186	0	0	853.7	38	0	0			0	0	29
30					857.8	186	0	0	853.5	34	0	0			0	0	30
31					857.7	181	0	0						0	0	0	31
TOTAL			1160	761			0	0			23	66			0	0	
Inf. Ac. Ft.			2301				0				46				0	313.4	
Outf. Ac. Ft.			1509 + (600)				0 + (22.4)				131 + (61)				0 (3.4)	164.0+ (149.4)	
Maximum Mean Daily Inflow			55.1				0				2.3				0	55.1	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		+192				-22.4				-147				-3.4		0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	865.9	feet	on	2/16/59	Storage	93.4	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	DRY	feet	on	VARIOUS DAYS	Storage		Acre Feet	H.E. WILSON	Dam Tender	Gage Hts. copied	HRW	TS
Max. Peak Inf.	702.0	C.F.S. from	4:45 A.M.	on 1/6/59	to	5:00 A.M.	on 1/6/59	J. HOLLERON	Hydrographer	Storage applied	RAP	TS
Max. Peak Outf.	164.0	C.F.S. from	4:42 P.M.	on 2/16/59	to	8:00 P.M.	on 2/16/59		Hydrographer	Inf. & Outf. comp.	TS	RAP

REMARKS ( ) INDICATES EVAPORATION AND OTHER LOSSES

76D138N-68B Gib 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of EATON WASH Dam

~~In~~ On Eaton Wash for the Year Ending September 30, 1959

Continuous Water Stage Recorder Au

Drainage Area 9.48 Square Miles. Capacity of Reservoir 654.8 Ac. Ft. at Spillway Elev. 687.5 Ft. as of November 1956 Gage Heights Read daily

Day	June				July				August				September				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1			0	0			0	0			0	0			0	0	1
2			0	0			0	0			0	0			0	0	2
3			0	0			0	0			0	0			0	0	3
4			0	0			0	0			0	0			0	0	4
5			0	0			0	0			0	0			0	0	5
6			0	0			0	0			0	0			0	0	6
7			0	0			0	0			0	0			0	0	7
8			0	0			0	0			0	0			0	0	8
9			0	0			0	0			0	0			0	0	9
10			0	0			0	0			0	0			0	0	10
11			0	0			0	0			0	0			0	0	11
12			0	0			0	0			0	0			0	0	12
13			0	0			0	0			0	0			0	0	13
14			0	0			0	0			0	0			0	0	14
15		NO STORAGE	0	0		NO STORAGE	0	0		NO STORAGE	0	0		NO STORAGE	0	0	15
16			0	0			0	0			0	0			0	0	16
17			0	0			0	0			0	0			0	0	17
18			0	0			0	0			0	0			0	0	18
19			0	0			0	0			0	0			0	0	19
20			0	0			0	0			0	0			0	0	20
21			0	0			0	0			0	0			0	0	21
22			0	0			0	0			0	0			0	0	22
23			0	0			0	0			0	0			0	0	23
24			0	0			0	0			0	0			0	0	24
25			0	0			0	0			0	0			0	0	25
26			0	0			0	0			0	0			0	0	26
27			0	0			0	0			0	0			0	0	27
28			0	0			0	0			0	0			0	0	28
29			0	0			0	0			0	0			0	0	29
30			0	0			0	0			0	0			0	0	30
31							0	0			0	0					31
TOTAL			0	0			0	0			0	0			0	0	
Inf. Ac. Ft.			0				0				0				0	313.4	
Outf. Ac. Ft.			0				0				0				0	164.0 + (149.4)	
Maximum Mean Daily Inflow			0				0				0				0	55.1	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		0				0				0				0		0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	865.9	feet	on	2/16/59	Storage	93.4	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	DRY	feet	on	VARIOUS DAYS	Storage	0	Acre Feet	H.E. WILSON	Dam Tender	Gage Hts. copied	HRW	TS
Max. Peak Inf.	702.0	C.F.S. from	4:45 A.M.	on 1/6/59	to	5:00 A.M.	on 1/6/59	J. HOLLERON	Hydrographer	Storage applied	HRW	TS
Max. Peak Outf.	164.0	C.F.S. from	4:42 P.M.	on 2/16/59	to	8:00 P.M.	on 2/16/59		Hydrographer	Inf. & Outf. comp.	TS	RAP

REMARKS ( ) INDICATES EVAPORATION AND OTHER LOSSES

76D138M-68B Gib 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SANTA ANITA Dam

In Santa Anita Canyon for the Year Ending September 30, 1958

~~On~~

Drainage Area 10.8 Square Miles. Capacity of Reservoir 612.9 Ac. Ft. at Spillway Elev. 1316.0 Ft. as of February, 1956

Continuous Water Stage Recorder Au

Gage Heights Read daily

Day	October Gage Height	October Acre Ft. Storage	October C.F.S. Inflow	October C.F.S. Outflow	November Gage Height	November Acre Ft. Storage	November C.F.S. Inflow	November C.F.S. Outflow	December Gage Height	December Acre Ft. Storage	December C.F.S. Inflow	December C.F.S. Outflow	January Gage Height	January Acre Ft. Storage	January C.F.S. Inflow	January C.F.S. Outflow	Day
1	1251.4	124.6	0.7	1.5	1244.9	100.4	1.4	2.2	1246.2	105.1	1.3	0.8	1255.7	141.8	2.8	3.2	1
2	1251.0	123.0	0.7	1.5	1245.1	101.2	2.6	2.2	1246.4	105.8	1.2	0.8	1255.4	140.5	2.5	3.2	2
3	1250.6	121.5	0.7	1.5	1246.0	104.4	3.9	2.2	1246.6	106.6	1.2	0.8	1255.5	141.0	2.7	2.4	3
4	1250.2	120.0	0.7	1.5	1246.2	105.1	2.4	2.1	1246.9	107.6	1.3	0.8	1255.9	142.6	2.5	1.7	4
5	1249.8	118.4	0.7	1.5	1246.1	104.8	2.0	2.1	1249.7	118.1	6.1	0.8	1256.3	144.3	2.6	1.7	5
6	1249.5	117.3	0.8	1.5	1245.9	104.0	1.7	2.1	1250.4	120.7	2.9	1.6	1256.5	145.1	2.1	1.7	6
7	1249.1	115.8	0.8	1.5	1245.7	103.3	1.7	2.1	1250.8	122.2	2.7	2.0	1256.8	146.4	2.3	1.7	7
8	1248.7	114.3	0.8	1.5	1245.4	102.2	1.6	2.1	1250.9	122.6	2.2	2.0	1257.1	147.6	2.3	1.7	8
9	1248.3	112.8	0.8	1.5	1245.1	101.2	1.5	2.1	1250.9	122.6	2.0	2.0	1257.3	148.5	2.2	1.7	9
10	1247.9	111.3	0.8	1.5	1244.8	100.1	1.6	2.1	1250.8	122.2	1.8	2.0	1257.5	149.3	2.1	1.7	10
11	1248.3	112.8	2.3	1.5	1244.4	98.7	1.4	2.1	1250.6	121.5	1.7	2.0	1257.8	150.6	2.3	1.7	11
12	1248.5	113.6	1.9	1.5	1244.3	98.4	1.9	2.1	1250.5	121.1	1.6	1.8	1258.0	151.4	2.1	1.7	12
13	1248.6	113.9	1.6	1.5	1244.0	97.3	1.6	2.1	1250.2	120.0	1.2	1.8	1258.1	151.8	1.9	1.7	13
14	1249.2	116.2	2.7	1.5	1243.6	95.9	1.4	2.1	1250.0	119.2	1.4	1.8	1258.2	152.3	2.0	1.7	14
15	1249.4	116.9	1.9	1.5	1243.2	94.6	1.4	2.1	1255.6	141.4	1.3.0	1.8	1258.3	152.7	1.9	1.7	15
16	1249.4	116.9	1.5	1.5	1242.9	93.6	1.6	2.1	1263.8	177.5	31.7	13.5	1258.4	153.1	1.9	1.7	16
17	1249.3	116.5	1.3	1.5	1242.6	92.5	1.6	2.1	1268.9	203.4	40.4	27.3	1258.6	154.0	2.1	1.7	17
18	1249.2	116.2	1.3	1.5	1242.4	91.8	1.2	1.6	1264.5	180.9	12.6	24.0	1258.7	154.4	1.9	1.7	18
19	1249.0	115.4	1.1	1.5	1242.8	93.2	1.4	0.7	1261.2	165.5	9.4	17.1	1258.8	154.8	2.0	1.7	19
20	1249.2	116.2	1.9	1.5	1243.2	94.6	1.4	0.7	1260.5	162.4	6.2	7.8	1258.9	155.3	1.9	1.7	20
21	1249.2	116.2	1.8	1.8	1243.5	95.6	1.2	0.7	1259.3	157.0	5.1	7.8	1259.0	155.7	1.9	1.7	21
22	1249.0	115.4	1.8	2.2	1243.8	96.6	1.2	0.7	1257.8	150.6	4.6	7.8	1259.2	156.6	2.2	1.7	22
23	1248.7	114.3	1.7	2.2	1244.1	97.6	1.3	0.8	1256.0	143.0	3.9	7.8	1259.3	157.0	1.9	1.7	23
24	1248.3	112.8	1.4	2.2	1244.4	98.7	1.4	0.8	1255.6	141.4	3.9	4.7	1259.5	157.9	2.1	1.7	24
25	1247.8	111.0	1.3	2.2	1244.7	99.8	1.3	0.8	1255.9	142.6	3.8	3.2	1260.6	162.8	4.2	1.7	25
26	1247.3	109.1	1.2	2.2	1244.9	100.4	1.1	0.8	1256.2	143.8	3.8	3.2	1271.9	220.1	41.9	13.0	26
27	1246.8	107.3	1.3	2.2	1245.2	101.5	1.4	0.8	1256.2	143.8	3.2	3.2	1268.8	198.6	9.8	20.7	27
28	1246.3	105.5	1.3	2.2	1245.4	102.2	1.2	0.8	1256.2	143.8	3.2	3.2	1262.5	171.4	7.1	20.3	28
29	1245.8	103.7	1.3	2.2	1245.7	103.3	1.3	0.8	1256.2	143.8	3.2	3.2	1256.0	143.0	5.1	19.9	29
30	1245.4	102.2	1.4	2.2	1245.9	104.0	1.2	0.8	1256.1	143.4	3.0	3.2	1251.9	126.5	5.9	14.2	30
31	1245.3	101.9	2.1	2.2					1255.9	142.6	2.8	3.2	1253.2	132.7	6.4	3.3	31
TOTAL			41.6	53.8			47.9	46.8			182.4	163.0			132.6	137.6	
Inf. Ac. Ft.			82.5				95.0				361.8				263.0	802.3	
Outf. Ac. Ft.			106.7				92.8				323.0				272.9	795.7	
Maximum Mean Daily Inflow			2.7				3.9				40.4				41.9	41.9	
Minimum Mean Daily Inflow			0.7				1.1				1.2				1.9	0.7	
Storage Change		- 242				+ 21				+ 386				- 99		6.6	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1315.5	feet on 3/19 & 3/20	Storage	606.6	Acre Feet		
Min. W. S. Elev.	1218.5	feet on 8/31	Storage	21.3	Acre Feet		
Max. Peak Inf.	618.	C.F.S. from 7:00 A.M.	on	4/3	to 8:00 A.M.	on	4/3
Max. Peak Outf.	230.	C.F.S. from 10:30 A.M.	on	4/3	to 11:00 A.M.	on	4/3

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
K.A. SHIPLEY	Dam Tender	Gage Hts. copied	FES	RAP
J. HOLLERON	Hydrographer	Storage applied	FES	RAP
	Hydrographer	Inf. & Outf. comp.	FES	RAP

REMARKS (INDICATES AVERAGE FOR PERIOD

76D138N-68B Gib 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SANTA ANITA Dam

In Santa Anita Canyon for the Year Ending September 30, 1958

~~On~~

Drainage Area 10.8 Square Miles. Capacity of Reservoir 612.9 Ac. Ft. at Spillway Elev. 1316.0 Ft. as of February, 1956

Continuous Water Stage Recorder Au

Gage Heights Read daily

Day	February Gage Height	February Acre Ft. Storage	February C.F.S. Inflow	February C.F.S. Outflow	March Gage Height	March Acre Ft. Storage	March C.F.S. Inflow	March C.F.S. Outflow	April Gage Height	April Acre Ft. Storage	April C.F.S. Inflow	April C.F.S. Outflow	May Gage Height	May Acre Ft. Storage	May C.F.S. Inflow	May C.F.S. Outflow	Day
1	1254.1	135.3	4.6	3.3	1271.6	218.4	18.3	20.7	1289.5	341.7	149.5	90.3	1310.4	544.7	27.0	25.3	1
2	1255.4	140.5	5.9	3.3	1270.4	211.6	17.2	20.6	1290.7	351.5	103.5	98.5	1310.7	548.2	27.1	25.3	2
3	1273.5	229.6	68.1	23.1	1269.0	203.9	16.6	20.5	1316.8	623.2	298.3	161.3	1310.7	548.2	25.3	25.3	3
4	1288.2	331.2	162.6	111.4	1267.2	194.4	15.6	20.4	1312.3	567.1	200.9	229.2	1310.6	547.1	24.7	25.3	4
5	1287.7	327.3	71.0	73.0	1265.0	183.3	14.7	20.3	1293.7	377.0	153.1	249.0	1310.8	549.4	23.3	22.1	5
6	1283.0	292.2	42.3	60.0	1267.2	194.4	20.5	14.9	1283.2	293.6	122.5	164.5	1311.3	555.2	21.8	18.9	6
7	1280.2	272.6	31.3	41.2	1263.8	177.5	16.4	24.9	1284.8	305.3	115.9	110.0	1311.8	561.1	21.9	18.9	7
8	1275.8	243.7	26.0	40.5	1261.4	166.4	15.9	21.5	1286.5	318.0	95.3	88.9	1312.3	567.1	22.0	19.0	8
9	1270.3	211.1	20.0	36.5	1262.9	173.2	15.1	11.7	1288.1	330.4	81.5	75.3	1312.6	570.7	20.8	19.0	9
10	1267.1	193.9	20.9	29.5	1263.7	177.1	13.7	11.7	1287.6	326.5	73.7	75.6	1312.8	573.2	20.3	19.0	10
11	1264.5	180.9	18.1	24.7	1264.9	182.8	14.6	11.7	1292.2	364.1	76.9	58.0	1313.0	575.6	20.2	19.0	11
12	1264.8	182.3	15.7	15.0	1265.6	186.3	13.4	11.7	1297.4	410.0	67.6	44.4	1313.5	581.7	19.6	16.6	12
13	1266.0	188.3	15.5	12.5	1266.2	189.3	13.3	11.7	1301.1	441.0	62.6	45.0	1314.1	589.0	19.2	15.5	13
14	1268.2	199.7	14.8	9.0	1267.0	193.4	13.7	11.7	1303.6	470.2	58.7	46.0	1314.5	594.0	18.0	15.5	14
15	1269.8	208.3	13.5	9.2	1265.7	186.8	24.2	27.5	1305.4	489.1	56.1	46.5	1314.9	599.0	17.5	14.9	15
16	1271.1	215.6	13.2	9.5	1284.8	305.3	124.5	64.8	1306.5	500.9	52.9	47.0	1315.1	601.6	16.8	15.5	16
17	1272.0	220.7	12.4	9.8	1287.7	327.3	56.1	45.0	1307.0	506.3	50.5	47.8	1315.3	604.1	16.7	15.5	17
18	1271.9	220.1	29.0	29.3	1287.2	323.4	43.1	45.0	1307.0	506.3	48.2	48.2	1315.4	605.3	16.1	15.5	18
19	1280.3	273.3	71.1	44.3	1285.8	312.7	39.6	45.0	1306.7	503.1	47.4	49.0	1315.5	606.6	16.2	15.5	19
20	1276.6	248.7	31.9	44.3	1284.2	300.9	39.0	45.0	1306.0	495.5	45.7	49.5	1315.5	606.6	15.5	15.5	20
21	1272.1	221.3	25.1	38.9	1284.2	300.9	39.7	39.7	1306.5	500.9	38.2	35.5	1315.4	605.3	14.8	15.5	21
22	1269.2	205.0	19.8	28.0	1282.3	287.2	58.5	65.4	1307.2	508.5	36.8	33.0	1315.3	604.1	14.9	15.5	22
23	1265.6	186.3	18.0	27.5	1273.2	227.8	40.6	70.5	1307.7	514.1	36.2	33.3	1315.2	602.8	14.9	15.5	23
24	1265.4	185.3	19.2	19.7	1269.5	206.6	40.7	51.4	1308.0	517.4	35.2	33.6	1315.1	601.6	14.9	15.5	24
25	1271.6	218.4	35.6	18.9	1267.7	197.0	39.8	44.7	1308.0	517.4	33.9	33.9	1314.7	596.6	13.0	15.5	25
26	1272.5	223.6	23.8	21.2	1269.0	203.9	36.8	33.3	1307.8	515.2	33.2	34.3	1314.4	592.8	13.5	15.5	26
27	1272.7	224.8	21.5	20.9	1272.7	224.8	47.7	37.1	1308.2	519.6	32.0	29.8	1314.1	589.0	13.6	15.5	27
28	1272.4	223.1	20.0	20.8	1270.8	213.9	39.8	45.3	1308.9	527.5	29.2	25.2	1314.0	587.8	13.5	14.1	28
29					1268.0	198.6	37.2	45.0	1309.6	535.5	29.2	25.2	1314.0	587.8	13.1	13.1	29
30					1269.0	203.9	37.7	35.0	1310.1	541.3	28.3	25.3	1314.0	587.8	13.1	13.1	30
31					1272.6	224.2	35.1	24.8					1314.0	587.8	13.1	13.1	31
TOTAL			870.9	825.3			999.1	998.5			2293.0	2133.1			562.4	539.0	
Inf. Ac. Ft.			1727.4				1981.7				4548.1				1115.5	10175.0	
Outf. Ac. Ft.			1637.0				1980.5				4230.9				1069.1	9713.2	
Maximum Mean Daily Inflow			162.6				124.5				298.3				27.1	298.3	
Minimum Mean Daily Inflow			4.6				13.3				28.3				13.1	0.7	
Storage Change		+ 90.4				+ 11				+ 317.1				+ 46.5		461.7	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1315.5	feet on 3/19 & 3/20	Storage	606.6	Acre Feet		
Min. W. S. Elev.	1218.5	feet on 8/31	Storage	21.3	Acre Feet		
Max. Peak Inf.	618.	C.F.S. from 7:00 A.M.	on	4/3	to 8:00 A.M.	on	4/3
Max. Peak Outf.	230	C.F.S. from 10:30 A.M.	on	4/3	to 11:00 A.M.	on	4/3

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
K.A. SHIPLEY	Dam Tender	Gage Hts. copied	FES	RAP
J. HOLLERON	Hydrographer	Storage applied	FES	RAP
	Hydrographer	Inf. & Outf. comp.	FES	RAP

REMARKS

76D138N-68B Glb 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SANTA ANITA Dam

In ~~On~~ Santa Anita Canyon for the Year Ending September 30, 19 58

Continuous Water Stage Recorder Au

Drainage Area 10.8 Square Miles. Capacity of Reservoir 612.9 Ac. Ft. at Spillway Elev. 1316.0 Ft. as of February 1956 Gage Heights Read daily

Day	June Gage Height	June Acre Ft. Storage	June C.F.S. Inflow	June C.F.S. Outflow	July Gage Height	July Acre Ft. Storage	July C.F.S. Inflow	July C.F.S. Outflow	August Gage Height	August Acre Ft. Storage	August C.F.S. Inflow	August C.F.S. Outflow	September Gage Height	September Acre Ft. Storage	September C.F.S. Inflow	September C.F.S. Outflow	Day
1	1314.0	587.8	13.1	13.1	1305.7	492.3	7.6	11.4	1286.4	317.2	5.1	2.8	1224.2	31.3	4.7	0.6	1
2	1313.9	586.6	12.5	13.1	1305.4	489.1	8.4	10.0	1287.1	322.6	5.5	2.8	1227.7	38.3	4.2	0.6	2
3	1313.8	585.4	12.5	13.1	1305.0	484.8	8.5	10.7	1287.7	327.3	5.2	2.8	1231.1	45.9	4.5	0.7	3
4	1313.8	585.4	13.1	13.1	1304.2	476.4	8.0	12.2	1288.3	332.0	5.1	2.8	1233.2	51.1	4.5	1.9	4
5	1313.6	582.9	11.8	13.1	1303.3	467.1	7.5	12.2	1288.8	336.0	4.8	2.8	1234.4	54.1	4.6	3.1	5
6	1313.4	580.5	11.8	13.0	1302.4	457.9	7.5	12.1	1289.4	340.9	5.3	2.8	1234.9	55.4	3.8	3.1	6
7	1313.2	578.0	11.8	13.0	1301.5	449.0	7.6	12.1	1289.9	345.0	4.9	2.8	1235.2	56.2	3.5	3.1	7
8	1313.0	575.6	11.6	12.9	1300.5	439.2	7.0	12.0	1290.4	349.1	4.9	2.8	1235.6	57.3	3.6	3.1	8
9	1312.8	573.2	11.7	12.9	1299.4	428.6	6.7	12.0	1290.8	352.4	4.4	2.8	1236.0	58.4	3.7	3.1	9
10	1312.6	570.7	11.6	12.8	1298.4	419.2	7.2	11.8	1291.2	355.7	4.5	2.8	1236.2	59.0	3.4	3.1	10
11	1312.3	567.1	11.0	12.8	1297.4	410.0	7.2	11.9	1291.6	359.0	4.4	2.8	1236.5	59.6	3.5	3.1	11
12	1312.0	563.5	10.8	12.7	1296.2	399.1	6.3	11.8	1292.0	362.4	4.6	2.8	1236.8	60.6	3.5	3.1	12
13	1311.8	561.1	11.5	12.7	1295.1	389.3	6.9	11.8	1292.4	365.6	4.5	2.8	1237.0	61.2	3.4	3.1	13
14	1311.4	556.4	10.4	12.7	1294.0	379.6	6.8	11.7	1292.8	369.3	4.5	2.8	1237.1	61.5	3.3	3.1	14
15	1311.0	551.7	10.2	12.6	1292.9	370.1	6.9	11.7	1293.2	372.7	4.5	2.8	1237.2	61.8	3.2	3.1	15
16	1310.6	547.1	10.3	12.6	1291.8	360.7	6.9	11.6	1293.7	377.0	5.0	2.8	1237.2	61.8	3.1	3.1	16
17	1310.1	541.3	9.7	12.6	1290.6	350.7	6.5	11.6	1294.2	381.4	5.0	2.8	1234.5	54.4	2.9	6.6	17
18	1309.6	535.5	9.6	12.6	1289.8	344.2	8.3	11.5	1292.6	367.6	4.2	11.1	1231.0	45.7	2.1	6.5	18
19	1309.3	532.0	9.8	11.5	1288.3	332.0	5.3	11.5	1289.7	343.3	4.8	17.1	1231.1	45.9	2.2	3.1	19
20	1309.4	533.2	9.6	9.0	1286.9	321.0	5.9	11.4	1286.7	276.2*	5.1	17.1	1231.1	45.9	3.1	3.1	20
21	1309.6	535.5	7.8	6.7	1285.5	310.5	6.1	11.4	1282.9	250.8	4.2	17.0	1231.0	45.7	3.0	3.1	21
22	1309.9	539.0	8.5	6.7	1284.1	300.1	6.0	11.3	1278.6	225.2	3.9	16.8	1231.1	45.9	3.2	3.1	22
23	1309.9	539.0	8.4	8.4	1282.4	287.9	5.1	11.2	1274.3	201.9	4.8	16.6	1231.4	46.7	3.6	3.1	23
24	1309.7	536.6	8.6	9.8	1280.7	276.0	5.1	11.1	1269.8	179.9	5.1	16.2	1232.4	49.1	3.6	2.4	24
25	1309.5	534.4	8.7	9.8	1280.2	272.6	6.3	8.0	1264.3	155.9	3.2	15.3	1233.6	52.1	3.6	2.1	25
26	1309.2	530.9	8.0	9.8	1281.3	280.2	6.6	2.8	1258.6	133.0	3.4	14.9	1234.7	54.9	3.5	2.1	26
27	1308.6	524.1	8.3	11.7	1282.4	287.9	6.7	2.8	1252.4	110.1	4.4	15.9	1235.6	57.3	3.3	2.1	27
28	1307.9	516.3	8.6	12.5	1283.4	295.1	6.4	2.8	1244.4	83.2	4.2	17.6	1236.3	59.2	3.1	2.1	28
29	1307.2	508.5	8.3	12.3	1284.2	300.9	5.7	2.8	1235.6	57.3	4.0	17.1	1237.1	61.5	3.3	2.1	29
30	1306.4	499.8	7.7	12.1	1285.0	306.8	5.8	2.8	1227.1	37.0	5.8	16.0	1237.9	63.7	3.2	2.1	30
31					1285.8	312.7	5.8	2.8	1219.6	23.1	6.4	13.4					31
TOTAL			307.3	351.7			208.6	302.9			145.7	269.9			105.1	84.6	
Inf. Ac. Ft.			609.5				413.8				289.0				208.5	11695.8	
Outf. Ac. Ft.			697.6				600.8				535.3				167.6	11714.7	
Maximum Mean Daily Inflow			13.1				8.5				5.8				4.7	298.3	
Minimum Mean Daily Inflow			7.7				5.1				3.2				2.1	0.7	
Storage Change		-88.0				-187.1				-289.6 *(43.3)				+40.6		-624 *(43.3)	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1315.5	feet	on 3/19 & 3/20	Storage	606.6	Acre Feet		
Min. W. S. Elev.	1218.5	feet	on 8/31	Storage	21.3	Acre Feet		
Max. Peak Inf.	618.	C. F. S. from	7:00 A.M. on	4/3	to	8:00 A.M. on	4/3	
Max. Peak Outf.	230.	C. F. S. from	10:30 A.M. on	4/3	to	11:00 A.M. on	4/3	

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
K.A. SHIPLEY	Dam Tender	Gage Hts. copied	FES	RAP
J. HOLLERON	Hydrographer	Storage applied	FES	RAP
	Hydrographer	Inf. & Outf. comp.	FES	RAP

REMARKS

* 43.3 ACRE FEET OF STORAGE LOST BY SILTATION

76D138N-68B Glb 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SANTA ANITA Dam

In ~~On~~ Santa Anita Canyon for the Year Ending September 30, 19 59

Continuous Water Stage Recorder Au

Drainage Area 10.8 Square Miles. Capacity of Reservoir 612.9 Ac. Ft. at Spillway Elev. 1316.0 Ft. as of September 1958 Gage Heights Read daily

Day	October Gage Height	October Acre Ft. Storage	October C.F.S. Inflow	October C.F.S. Outflow	November Gage Height	November Acre Ft. Storage	November C.F.S. Inflow	November C.F.S. Outflow	December Gage Height	December Acre Ft. Storage	December C.F.S. Inflow	December C.F.S. Outflow	January Gage Height	January Acre Ft. Storage	January C.F.S. Inflow	January C.F.S. Outflow	Day
1	1238.7	66.0	3.1	2.1	1244.0	81.9	3.3	3.0	1246.4	89.6	2.9	3.0	1247.2	92.3	2.5	2.1	1
2	1239.4	68.1	3.1	2.1	1244.1	82.2	3.3	3.0	1246.3	89.3	2.9	3.0	1247.4	92.9	2.5	2.1	2
3	1239.9	69.5	3.1	2.1	1244.2	82.5	3.3	3.0	1246.2	89.0	2.9	3.0	1247.7	93.9	2.5	2.1	3
4	1240.4	71.0	3.1	2.1	1244.4	83.2	3.3	3.0	1246.1	88.6	2.9	3.0	1247.9	94.6	2.4	2.1	4
5	1240.9	72.4	3.1	2.1	1244.5	83.5	3.3	3.0	1246.0	88.3	2.9	3.0	1248.3	95.9	2.6	2.1	5
6	1241.3	73.6	3.1	2.6	1244.6	83.8	3.3	3.1	1246.0	88.3	2.9	3.0	1262.6	148.9	36.3	4.6	6
7	1241.5	74.2	3.1	3.0	1244.6	83.8	3.3	3.1	1245.9	88.0	2.8	3.0	1257.2	127.7	6.3	1.70	7
8	1241.6	75.1	3.1	3.0	1244.7	84.1	3.3	3.1	1245.8	87.7	2.8	3.0	1250.9	104.8	4.8	1.62	8
9	1242.0	75.7	3.1	3.0	1244.7	84.1	3.3	3.1	1245.7	87.3	2.8	3.0	1249.4	99.7	4.8	7.5	9
10	1242.1	76.0	3.1	3.0	1244.9	84.8	3.3	3.1	1245.7	87.3	2.8	3.0	1251.3	106.2	4.2	1.0	10
11	1242.2	76.3	3.1	3.0	1245.1	85.4	3.3	3.2	1245.5	86.7	2.7	3.0	1253.5	114.0	4.2	0.2	11
12	1242.2	76.3	3.1	3.0	1245.3	86.1	3.3	3.2	1245.3	86.1	2.7	3.0	1255.5	121.4	3.4	0.2	12
13	1242.2	76.3	3.1	3.0	1245.5	86.7	3.3	3.2	1245.1	85.4	2.7	3.0	1257.1	127.3	3.3	0.2	13
14	1242.2	76.3	3.1	3.0	1245.7	87.3	3.3	3.2	1244.9	84.8	2.7	3.0	1258.6	133.7	3.3	0.2	14
15	1242.2	76.3	3.1	3.0	1245.9	88.0	3.3	3.2	1244.7	84.1	2.7	3.0	1260.1	138.8	3.5	0.2	15
16	1242.1	76.0	3.1	3.0	1246.0	88.3	3.3	3.2	1244.5	83.5	2.7	3.0	1261.5	144.4	2.6	0.1	16
17	1241.9	75.4	3.1	3.0	1246.2	89.0	3.3	3.2	1244.2	82.5	2.7	3.0	1262.7	149.3	2.6	0.1	17
18	1241.8	75.1	3.1	3.0	1246.3	89.3	3.2	3.2	1244.1	82.2	2.7	2.8	1264.0	154.6	2.5	0.1	18
19	1241.7	74.8	3.1	3.0	1246.5	90.0	3.2	3.2	1244.2	82.5	2.6	2.6	1265.0	158.8	2.5	0.1	19
20	1241.7	74.8	3.1	3.0	1246.6	90.3	3.2	3.2	1244.3	82.9	2.6	2.6	1266.0	163.0	2.5	0.1	20
21	1241.7	74.8	3.1	3.0	1246.6	90.3	3.2	3.1	1244.3	82.9	2.6	2.6	1267.0	167.4	2.6	0.1	21
22	1241.8	75.1	3.2	3.0	1246.6	90.3	3.2	3.1	1244.5	83.5	2.6	2.2	1267.9	171.4	2.2	0.1	22
23	1241.6	75.1	3.2	3.0	1246.6	90.3	3.2	3.1	1244.8	84.5	2.5	2.0	1268.9	175.8	2.2	0.1	23
24	1242.2	76.3	3.2	3.0	1246.6	90.3	3.2	3.1	1245.1	85.4	2.5	2.0	1269.8	180.4	2.2	0.1	24
25	1242.5	77.2	3.2	3.0	1246.5	90.0	3.2	3.1	1245.4	86.4	2.5	2.0	1270.6	183.6	2.2	0.1	25
26	1242.8	78.2	3.2	3.0	1246.5	90.0	3.2	3.1	1245.7	87.3	2.5	2.0	1271.4	187.4	2.2	0.1	26
27	1243.2	79.4	3.2	3.0	1246.5	90.0	3.2	3.1	1246.0	88.3	2.5	2.1	1271.9	189.8	2.2	1.1	27
28	1243.5	80.4	3.2	3.0	1246.5	90.0	3.2	3.1	1246.3	89.3	2.5	2.1	1271.9	189.8	2.2	2.2	28
29	1243.7	81.0	3.2	3.0	1246.5	90.0	3.2	3.1	1246.5	90.0	2.5	2.1	1271.9	189.8	2.2	2.2	29
30	1243.8	81.3	3.2	3.0	1246.5	90.0	3.2	3.1	1246.8	90.9	2.5	2.1	1272.0	190.3	2.2	2.2	30
31	1243.9	81.6	3.2	3.0					1247.0	91.6	2.5	2.1	1272.0	190.3	2.1	2.2	31
TOTAL			97.1	88.1			97.7	93.5			83.1	82.3			123.6	73.8	
Inf. Ac. Ft.			192.6				193.8				164.8				245.2	796.4	
Outf. Ac. Ft.			174.7				185.5				163.2				146.4	669.8	
Maximum Mean Daily Inflow			3.2				3.5				2.9				36.3	36.3	
Minimum Mean Daily Inflow			3.1				3.2				2.5				2.1	1.7	
Storage Change		+17.9				+8.4				+1.6				+98.7		+126.6	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1284.2	feet	on 2/11/59	Storage	259.1	Acre Feet		
Min. W. S. Elev.	1238.7	feet	on 10/1/58	Storage	66.0	Acre Feet		
Max. Peak Inf.	622.0	C. F. S. from	5:00 A.M. on	1/6/59	to	5:15 A.M. on	1/6/59	
Max. Peak Outf.	46.1	C. F. S. from	4:00 P.M. on	2/16/59	to	12:00 M. on	2/17/59	

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
K.A. SHIPLEY	Dam Tender	Gage Hts. copied	TS	RAP
J. HOLLERON	Hydrographer	Storage applied	TS	RAP
	Hydrographer	Inf. & Outf. comp.	TS	RAP

REMARKS (INDICATES AVERAGE FOR PERIOD

76D138N-68B Olb 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SANTA ANITA Dam

In Santa Anita Canyon for the Year Ending September 30, 1959

Drainage Area 10.8 Square Miles. Capacity of Reservoir 612.9 Ac. Ft. at Spillway Elev. 1316.0 Ft. as of September 1956

Continuous Water Stage Recorder Au

Gage Heights Read daily

Day	February Gage Height	February Acre Ft. Storage	February C.F.S. Inflow	February C.F.S. Outflow	March Gage Height	March Acre Ft. Storage	March C.F.S. Inflow	March C.F.S. Outflow	April Gage Height	April Acre Ft. Storage	April C.F.S. Inflow	April C.F.S. Outflow	May Gage Height	May Acre Ft. Storage	May C.F.S. Inflow	May C.F.S. Outflow	Day
1	1272.1	190.8	2.4	2.2	1271.4	187.4	4.4	3.3	1258.0	171.8	2.9	3.3	1247.4	92.9	2.8	4.0	1
2	1272.1	190.8	2.4	2.2	1271.9	189.8	4.4	3.3	1267.7	170.5	2.9	3.3	1247.9	94.6	2.8	2.0	2
3	1272.1	190.8	2.4	2.2	1272.4	192.3	4.4	3.3	1267.6	170.0	2.9	3.3	1248.4	96.3	2.8	2.0	3
4	1272.2	191.3	2.4	2.2	1272.8	194.2	4.4	3.3	1267.3	168.7	2.9	3.3	1248.7	97.3	2.8	2.0	4
5	1272.3	191.8	2.4	2.2	1269.2	177.2	4.4	12.3	1267.0	167.4	2.9	3.3	1249.1	98.6	2.7	2.0	5
6	1272.3	191.8	2.4	2.2	1266.5	165.2	4.2	10.5	1266.9	167.0	2.9	3.3	1249.2	99.0	2.4	2.0	6
7	1272.5	192.8	2.3	2.2	1267.0	167.4	4.2	3.3	1266.7	166.1	2.8	3.3	1249.3	99.3	2.4	2.0	7
8	1273.9	199.8	5.7	2.2	1267.4	169.2	4.2	3.3	1266.5	165.2	2.8	3.3	1249.6	100.3	2.4	2.0	8
9	1274.2	201.3	2.9	2.2	1267.8	170.9	4.2	3.3	1266.3	164.3	2.8	3.3	1249.9	101.4	2.4	2.0	9
10	1274.6	203.4	3.3	2.2	1268.0	171.8	4.2	3.3	1266.1	163.4	2.8	3.3	1250.1	102.0	2.4	2.0	10
11	1283.9	257.2	40.4	13.3	1268.2	172.7	3.6	3.3	1265.7	161.7	2.7	3.3	1250.3	102.8	2.4	2.0	11
12	1281.0	239.2	14.5	23.5	1268.4	173.6	3.6	3.3	1265.2	159.6	2.7	3.3	1250.5	103.4	2.4	2.0	12
13	1276.9	215.8	10.6	22.4	1268.5	174.0	3.5	3.3	1264.7	157.5	2.7	3.3	1250.8	104.5	2.4	2.0	13
14	1272.2	191.3	9.8	22.2	1268.6	174.5	3.5	3.3	1264.3	155.9	2.7	3.3	1251.0	105.2	2.3	2.0	14
15	1267.1	167.8	9.7	21.5	1268.8	175.4	3.5	3.3	1264.1	155.0	2.7	3.3	1251.3	106.2	2.3	2.0	15
16	1281.1	239.8	65.6	29.3	1268.8	175.4	3.5	3.3	1263.9	154.2	2.7	3.3	1251.4	106.6	2.3	2.0	16
17	1277.0	216.3	25.8	37.7	1268.7	175.0	3.5	3.4	1263.7	153.4	2.7	3.3	1251.6	107.3	2.3	2.1	17
18	1271.5	187.9	14.9	29.2	1268.7	175.0	3.5	3.4	1263.6	153.0	2.7	3.3	1251.8	108.0	2.3	2.1	18
19	1266.1	163.4	10.0	22.4	1268.7	175.0	3.5	3.4	1263.4	152.1	2.6	3.3	1251.9	108.4	2.3	2.1	19
20	1264.7	157.5	8.6	11.5	1268.7	175.0	3.5	3.4	1261.3	143.6	2.6	7.1	1252.0	108.7	2.3	2.1	20
21	1264.9	158.4	8.6	8.2	1268.7	175.0	3.3	3.4	1259.2	135.3	2.7	7.1	1252.2	109.4	2.3	2.0	21
22	1265.6	161.3	9.7	8.2	1268.6	174.5	3.3	3.4	1257.9	130.3	2.7	5.2	1252.3	109.8	2.3	2.1	22
23	1265.7	161.7	8.4	8.2	1268.6	174.5	3.3	3.4	1255.6	121.7	2.8	6.8	1252.3	109.8	2.3	2.1	23
24	1266.1	163.4	7.3	6.5	1268.6	174.5	3.3	3.4	1253.5	114.0	2.8	6.8	1252.4	110.1	2.3	2.1	24
25	1267.6	170.0	6.6	3.2	1268.6	174.5	3.3	3.4	1253.4	113.6	5.0	5.2	1252.5	110.4	2.3	2.1	25
26	1268.9	175.8	6.2	3.3	1268.5	174.0	3.3	3.4	1254.8	118.8	7.8	5.2	1252.6	110.8	2.3	2.1	26
27	1270.0	180.8	5.8	3.3	1268.4	173.6	3.2	3.4	1254.0	115.8	3.1	5.2	1252.8	111.5	2.3	2.1	27
28	1270.7	184.1	5.0	3.3	1268.4	173.6	3.2	3.4	1252.9	111.8	3.0	5.2	1252.9	111.8	2.2	2.1	28
29					1268.3	173.2	3.2	3.4	1250.9	104.8	3.0	6.4	1253.0	112.2	2.2	2.1	29
30					1268.2	172.7	3.2	3.4	1248.0	94.9	3.0	7.4	1253.0	112.2	2.2	2.1	30
31					1268.1	172.2	3.2	3.4					1253.0	112.2	2.2	2.1	31
TOTAL			296.1	299.2			114.0	120.0			91.3	130.3			74.1	65.4	
Inf. Ac. Ft.			587.3				226.1				181.1				147.0	1937.9	
Outf. Ac. Ft.			593.5				238.0				258.4				129.7	1889.4	
Maximum Mean Daily Inflow			65.6				4.4				7.8				2.6	65.6	
Minimum Mean Daily Inflow			2.3				3.2				2.6				2.2	1.7	
Storage Change		-6.2				-119				-77.3				+17.3		+48.5	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1284.2	feet on	2/11/59	Storage	259.1	Acre Feet			
Min. W. S. Elev.	1238.7	feet on	10/1/58	Storage	66.0	Acre Feet			
Max. Peak Inf.	622.0	C.F.S. from	5:00 A.M. on	1/6/59	to	5:15 A.M. on	1/6/59		
Max. Peak Outf.	46.1	C.F.S. from	4:00 P.M. on	2/16/59	to	12:00 M. on	2/17/59		

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
K.A. SHIPLEY	Dam Tender	Gage Hts. copied	TS	RAP
J. HOLLERON	Hydrographer	Storage applied	TS	RAP
	Hydrographer	Inf. & Outf. comp.	TS	RAP

REMARKS ⊂ INDICATES AVERAGE FOR PERIOD

76D138N-68B Olb 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SANTA ANITA Dam

In Santa Anita Canyon for the Year Ending September 30, 1959

Drainage Area 10.8 Square Miles. Capacity of Reservoir 612.9 Ac. Ft. at Spillway Elev. 1316.0 Ft. as of September 1959

Continuous Water Stage Recorder Au

Gage Heights Read daily

Day	June Gage Height	June Acre Ft. Storage	June C.F.S. Inflow	June C.F.S. Outflow	July Gage Height	July Acre Ft. Storage	July C.F.S. Inflow	July C.F.S. Outflow	August Gage Height	August Acre Ft. Storage	August C.F.S. Inflow	August C.F.S. Outflow	September Gage Height	September Acre Ft. Storage	September C.F.S. Inflow	September C.F.S. Outflow	Day
1	1253.0	112.2	2.1	2.1	1272.3	191.8	0.9	0	1274.3	201.9	0.9	1.4	1268.6	174.5	0.8	1.1	1
2	1253.6	114.4	2.0	1.0	1272.8	194.2	0.9	0	1274.1	200.8	0.9	1.4	1268.9	175.8	0.8	0.6	2
3	1254.7	118.4	2.0	0.1	1273.2	196.2	0.9	0	1273.9	199.8	0.9	1.4	1269.2	177.2	0.8	0.6	3
4	1255.8	122.5	2.0	0	1273.6	198.3	0.9	0	1273.7	198.8	0.9	1.4	1269.5	178.6	0.8	0.6	4
5	1256.7	125.8	2.0	0	1273.9	199.8	0.9	0	1273.5	197.8	0.9	1.3	1269.8	179.9	0.8	0.6	5
6	1257.6	129.2	1.8	0	1274.2	201.3	0.9	0	1273.3	196.7	0.9	1.3	1270.0	180.8	0.8	0.6	6
7	1258.6	133.3	1.8	0	1274.6	203.4	0.9	0	1273.2	196.2	0.9	1.3	1270.3	182.2	0.8	0.6	7
8	1259.4	136.1	1.8	0	1274.9	205.0	0.8	0	1273.0	195.2	0.9	1.3	1270.5	183.2	0.8	0.6	8
9	1260.4	140.0	1.7	0	1275.2	206.6	0.8	0	1272.8	194.2	0.9	1.3	1270.8	184.6	0.8	0.6	9
10	1261.2	143.2	1.7	0	1275.4	207.6	0.8	0	1272.6	193.2	0.9	1.3	1271.0	185.5	0.8	0.5	10
11	1261.9	146.0	1.4	0	1275.7	209.2	0.8	0	1272.4	192.3	0.9	1.3	1271.3	186.9	0.8	0.5	11
12	1262.5	148.4	1.3	0	1276.0	210.8	0.8	0	1272.2	191.3	0.9	1.3	1271.5	187.9	0.8	0.5	12
13	1263.1	150.9	1.3	0	1276.2	211.9	0.8	0	1272.0	190.3	0.9	1.3	1271.8	189.3	0.8	0.5	13
14	1263.7	153.4	1.3	0	1276.5	213.6	1.1	0.7	1271.8	189.3	0.9	1.3	1272.0	190.3	0.8	0.5	14
15	1264.4	156.3	1.3	0	1276.5	213.6	1.2	1.4	1271.7	188.9	0.9	1.3	1272.2	191.3	0.8	0.5	15
16	1265.0	158.8	1.2	0	1276.4	213.0	1.2	1.4	1271.5	187.9	0.9	1.3	1272.5	192.8	0.8	0.5	16
17	1265.5	160.9	1.2	0	1276.2	211.9	1.2	1.4	1271.3	186.9	0.9	1.3	1272.7	193.7	0.7	0.5	17
18	1266.1	163.4	1.2	0	1276.1	211.4	1.2	1.4	1271.2	186.5	0.9	1.3	1273.0	195.2	0.7	0.5	18
19	1266.6	165.6	1.2	0	1276.0	210.8	1.2	1.4	1271.1	186.0	0.9	1.3	1273.4	197.2	0.7	0.5	19
20	1267.1	167.8	1.1	0	1275.9	210.3	1.2	1.4	1271.0	185.5	0.9	1.3	1273.8	199.3	0.7	0.5	20
21	1267.5	169.6	1.1	0	1275.8	209.7	1.1	1.4	1270.9	185.0	0.9	1.3	1274.0	200.3	0.7	0.5	21
22	1268.0	171.8	1.1	0	1275.7	209.2	1.1	1.4	1270.7	184.1	0.9	1.3	1274.3	201.9	0.7	0.5	22
23	1268.4	173.6	1.1	0	1275.6	208.7	1.1	1.4	1270.6	183.6	0.9	1.3	1274.6	203.4	0.7	0.5	23
24	1268.8	175.4	1.1	0	1275.5	208.2	1.1	1.4	1270.4	182.7	0.9	1.3	1274.9	205.0	0.7	0.5	24
25	1269.3	177.6	1.1	0	1275.3	207.1	1.1	1.4	1270.3	182.2	0.9	1.3	1275.2	206.6	0.7	0.5	25
26	1269.8	179.9	1.1	0	1275.2	206.6	1.1	1.4	1270.1	181.3	0.9	1.3	1275.4	207.6	0.6	0.5	26
27	1270.3	182.2	1.1	0	1275.1	206.0	1.1	1.4	1269.9	180.4	0.9	1.4	1275.7	209.2	0.6	0.5	27
28	1270.9	185.0	1.1	0	1275.0	205.5	1.0	1.4	1269.6	179.0	0.9	1.6	1275.9	210.3	0.6	0.5	28
29	1271.4	187.4	1.1	0	1274.8	204.5	1.0	1.4	1269.3	177.6	0.9	1.6	1276.2	211.9	0.6	0.5	29
30	1271.9	189.8	1.0	0	1274.7	203.9	1.0	1.4	1269.0	176.3	0.9	1.6	1276.5	213.6	0.6	0.5	30
31					1274.5	202.9	1.0	1.4	1268.7	175.0	0.9	1.6					31
TOTAL			42.3	3.2			31.1	24.5			27.9	42.0			22.1	2.63	
Inf. Ac. Ft.			83.9				61.7				55.3				43.8	2182.6	
Outf. Ac. Ft.			6.3				48.6				83.3				5.2	2032.8	
Maximum Mean Daily Inflow			2.1				1.2				0.9				0.8	65.6	
Minimum Mean Daily Inflow			1.1				0.8				0.9				0.6	0.6	
Storage Change		+77.6				+13.1				-27.9				+38.6		+149.9	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1284.2	feet on	2/11/59	Storage	259.1	Acre Feet			
Min. W. S. Elev.	1238.7	feet on	10/1/58	Storage	66.0	Acre Feet			
Max. Peak Inf.	622.0	C.F.S. from	5:00 A.M. on	1/6/59	to	5:15 A.M. on	1/6/59		
Max. Peak Outf.	46.1	C.F.S. from	4:00 P.M. on	2/16/59	to	12:00 M. on	2/17/59		

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
K.A. SHIPLEY	Dam Tender	Gage Hts. copied	TS	RAP
J. HOLLERON	Hydrographer	Storage applied	TS	RAP
	Hydrographer	Inf. & Outf. comp.	TS	RAP

REMARKS ⊂ INDICATES AVERAGE FOR PERIOD

76D138N-68B Gib 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAWPIT Dam

In Sawpit Canyon for the Year Ending September 30, 1958

Drainage Area 3.34 Square Miles. Capacity of Reservoir 304.9 Ac. Ft. at Spillway Elev. 1360.0 Ft. as of March, 1954

Continuous Water Stage Recorder Au

Gage Heights Read daily

Day	October Gage Height	October Acre Ft. Storage	October C.F.S. Inflow	October C.F.S. Outflow	November Gage Height	November Acre Ft. Storage	November C.F.S. Inflow	November C.F.S. Outflow
1	1308.9	40.0	0	0	1308.7	39.6	0	0
2	1308.9	40.0	0	0	1308.7	39.6	0	0
3	1308.9	40.0	0	0	1308.7	39.6	0	0
4	1308.9	40.0	0	0	1308.7	39.6	0	0
5	1308.8	39.8	0	0	1308.7	39.6	0	0
6	1308.8	39.8	0	0	1308.7	39.6	0	0
7	1308.8	39.8	0	0	1308.7	39.6	0	0
8	1308.8	39.8	0	0	1308.7	39.6	0	0
9	1308.8	39.8	0	0	1308.7	39.6	0	0
10	1308.8	39.8	0	0	1308.7	39.6	0	0
11	1308.8	39.8	0	0	1308.7	39.6	0	0
12	1308.8	39.8	0	0	1308.7	39.6	0	0
13	1308.8	39.8	0	0	1308.7	39.6	0	0
14	1308.8	39.8	0	0	1308.7	39.6	0	0
15	1308.8	39.8	0	0	1308.7	39.6	0	0
16	1308.8	39.8	0	0	1308.7	39.6	0	0
17	1308.8	39.8	0	0	1308.7	39.6	0	0
18	1308.8	39.8	0	0	1308.7	39.6	0	0
19	1308.8	39.8	0	0	1308.7	39.6	0	0
20	1308.8	39.8	0	0	1308.6	39.4	0	0
21	1308.8	39.8	0	0	1308.6	39.4	0	0
22	1308.8	39.8	0	0	1308.6	39.4	0	0
23	1308.8	39.8	0	0	1308.6	39.4	0	0
24	1308.8	39.8	0	0	1308.6	39.4	0	0
25	1308.8	39.8	0	0	1308.6	39.4	0	0
26	1308.7	39.6	0	0	1308.6	39.4	0	0
27	1308.7	39.6	0	0	1308.6	39.4	0	0
28	1308.7	39.6	0	0	1308.6	39.4	0	0
29	1308.7	39.6	0	0	1308.6	39.4	0	0
30	1308.7	39.6	0	0	1308.6	39.4	0	0
31	1308.7	39.6	0	0				
TOTAL			0	0			0	0
Inf. Ac. Ft.			0				0	
Outf. Ac. Ft.			0	+ (0.4)			0	+ (0.2)
Maximum Mean Daily Inflow			0				0	
Minimum Mean Daily Inflow			0				0	
Storage Change		-0.4				-0.2		

Day	December Gage Height	December Acre Ft. Storage	December C.F.S. Inflow	December C.F.S. Outflow	January Gage Height	January Acre Ft. Storage	January C.F.S. Inflow	January C.F.S. Outflow
1	1308.6	39.4	0	0	1310.0	42.4	0.2	0.2
2	1308.6	39.4	0.1	0	1310.0	42.4	0.2	0.2
3	1308.6	39.4	0	0	1310.0	42.4	0.2	0.2
4	1308.7	39.6	0.1	0	1309.9	42.2	0.1	0.2
5	1308.8	39.8	0.1	0	1309.9	42.2	0.2	0.2
6	1308.8	39.8	0	0	1309.9	42.2	0.2	0.2
7	1308.8	39.8	0	0	1309.9	42.2	0.2	0.2
8	1308.9	40.0	0.1	0	1309.9	42.2	0.2	0.2
9	1308.9	40.0	0	0	1309.9	42.2	0.2	0.2
10	1308.9	40.0	0	0	1310.0	42.4	0.3	0.2
11	1308.9	40.0	0	0	1310.0	42.4	0.2	0.2
12	1309.0	40.2	0.1	0	1310.0	42.4	0.2	0.2
13	1309.0	40.2	0	0	1310.0	42.4	0.2	0.2
14	1309.1	40.4	0.1	0	1310.0	42.4	0.2	0.2
15	1309.4	41.1	0.4	0	1310.0	42.4	0.2	0.2
16	1310.1	42.6	1.3	0.6	1309.9	42.2	0	0.1
17	1310.1	42.6	3.8	3.8	1309.9	42.2	0.1	0.1
18	1310.1	42.6	1.7	1.7	1309.9	42.2	0.1	0.1
19	1310.1	42.6	1.2	1.2	1309.9	42.2	0.1	0.1
20	1310.0	42.4	1.0	1.0	1309.9	42.2	0.1	0.1
21	1310.0	42.4	0.9	0.9	1309.9	42.2	0.1	0.1
22	1310.0	42.4	0.6	0.6	1309.9	42.2	0.1	0.1
23	1310.0	42.4	0.5	0.5	1309.9	42.2	0.1	0.1
24	1310.0	42.4	0.5	0.5	1309.9	42.2	0.1	0.1
25	1310.0	42.4	0.5	0.5	1310.1	42.6	0.4	0.2
26	1310.0	42.4	0.4	0.4	1310.2	42.9	5.2	5.0
27	1310.0	42.4	0.4	0.4	1310.1	42.6	1.8	2.0
28	1310.0	42.4	0.3	0.3	1310.1	42.6	1.7	1.7
29	1310.0	42.4	0.3	0.3	1310.1	42.6	1.5	1.5
30	1310.0	42.4	0.2	0.2	1310.1	42.6	1.0	1.0
31	1310.0	42.4	0.2	0.2	1310.2	42.4	0.5	0.6
TOTAL			14.8	13.1			15.9	15.9
Inf. Ac. Ft.			29.4				31.5	60.9
Outf. Ac. Ft.			26.0	+ (0.4)			31.5	57.5 + (1.0)
Maximum Mean Daily Inflow			3.8				5.2	5.2
Minimum Mean Daily Inflow			0				0	0
Storage Change		+3.0				0		+ 2.4

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1317.2	feet	on	4/3/58	Storage	61.7	Acre Feet	
Min. W. S. Elev.	1303.5	feet	on	6/7/58	Storage	29.2	Acre Feet	
Max. Peak Inf.	112.0	C.F.S. from	6:00 A.M. on	4/3/58	to	7:00 A.M. on	4/3/58	
Max. Peak Outf.	53.7	C.F.S. from	12:54 P.M. on	4/3/58	to	3:00 P.M. on	4/3/58	

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
F.D. KELLY	Dam Tender	Gage Hts. copied	JPR RAP	
HOLLERON	Hydrographer	Storage applied	RAP FES	
	Hydrographer	Inf. & Outf. comp.	FES JRR	

REMARKS ( ) INDICATES EVAPORATION AND OTHER LOSSES

76D138N-68B Gib 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAWPIT Dam

In Sawpit Canyon for the Year Ending September 30, 1958

Drainage Area 3.34 Square Miles. Capacity of Reservoir 304.9 Ac. Ft. at Spillway Elev. 1360.0 Ft. as of March, 1954

Continuous Water Stage Recorder Au

Gage Heights Read Daily

Day	February Gage Height	February Acre Ft. Storage	February C.F.S. Inflow	February C.F.S. Outflow	March Gage Height	March Acre Ft. Storage	March C.F.S. Inflow	March C.F.S. Outflow
1	1310.0	42.4	0.5	0.5	1310.1	42.6	1.4	1.4
2	1310.0	42.4	0.5	0.5	1310.1	42.6	1.2	1.2
3	1310.4	43.3	3.8	3.3	1310.1	42.6	1.2	1.2
4	1310.6	43.8	18.9	18.7	1310.1	42.6	1.0	1.0
5	1310.4	43.3	7.9	8.1	1310.1	42.6	1.0	1.0
6	1310.3	43.1	4.4	4.5	1310.2	42.9	1.5	1.3
7	1310.3	43.1	3.8	3.8	1310.1	42.6	1.0	1.2
8	1310.2	42.9	3.0	3.1	1310.0	42.4	1.1	1.2
9	1310.2	42.9	2.6	2.6	1310.0	42.4	1.0	1.0
10	1310.1	42.6	2.0	2.2	1310.0	42.4	1.0	1.0
11	1310.1	42.6	1.4	1.4	1310.1	42.6	1.1	1.0
12	1310.1	42.6	1.3	1.3	1310.1	42.6	1.0	1.0
13	1310.1	42.6	1.3	1.3	1310.0	42.4	0.7	0.8
14	1310.1	42.6	1.3	1.3	1310.0	42.4	1.0	1.0
15	1310.1	42.6	1.3	1.3	1310.4	43.3	1.9	1.4
16	1310.0	42.4	1.2	1.3	1310.6	43.8	13.9	13.7
17	1310.1	42.6	1.4	1.3	1310.7	44.0	6.5	6.4
18	1310.1	42.6	1.3	1.3	1310.4	43.3	5.3	5.6
19	1310.4	43.3	7.0	6.6	1310.4	43.3	4.5	4.5
20	1310.2	42.9	4.3	4.5	1310.4	43.3	4.6	4.6
21	1310.1	42.6	2.6	2.8	1310.5	43.6	5.3	5.2
22	1310.1	42.6	2.0	2.0	1310.6	43.8	8.2	8.1
23	1310.1	42.6	1.9	1.9	1310.5	43.6	6.0	6.1
24	1310.1	42.6	1.7	1.7	1310.3	43.1	5.6	5.8
25	1310.3	43.1	3.9	3.6	1310.3	43.1	5.3	5.3
26	1310.2	42.9	2.4	2.5	1310.3	43.1	4.4	4.4
27	1310.1	42.6	1.6	1.8	1310.4	43.3	5.9	5.8
28	1310.1	42.6	1.6	1.6	1310.3	43.1	4.8	4.9
29					1310.3	43.1	3.8	3.8
30					1310.3	43.1	3.8	3.8
31					1310.3	43.1	3.8	3.8
TOTAL			86.9	86.8			108.8	108.5
Inf. Ac. Ft.			172.4				215.8	
Outf. Ac. Ft.			172.2				215.2	
Maximum Mean Daily Inflow			18.9				13.9	
Minimum Mean Daily Inflow			0.5				0.7	
Storage Change		+ 0.2				+ 0.5		

Day	April Gage Height	April Acre Ft. Storage	April C.F.S. Inflow	April C.F.S. Outflow	May Gage Height	May Acre Ft. Storage	May C.F.S. Inflow	May C.F.S. Outflow
1	1311.1	44.9	27.9	27.0	1310.2	42.9	2.8	2.9
2	1310.8	44.2	23.7	24.0	1310.3	43.1	3.0	2.9
3	1313.5	50.8	46.3	43.0	1310.2	42.9	2.7	2.8
4	1311.1	44.9	27.0	30.0	1310.2	42.9	2.7	2.7
5	1310.9	44.5	25.8	26.0	1310.2	42.9	2.6	2.6
6	1310.9	44.5	21.0	21.0	1310.2	42.9	2.6	2.6
7	1311.2	45.2	23.4	23.0	1310.2	42.9	2.6	2.6
8	1311.0	44.7	17.7	18.0	1310.2	42.9	2.6	2.6
9	1310.8	44.2	14.8	15.0	1310.2	42.9	2.5	2.5
10	1310.7	44.0	11.9	12.0	1310.2	42.9	2.4	2.4
11	1310.6	43.8	10.9	11.0	1310.2	42.9	2.4	2.4
12	1310.6	43.8	9.8	9.8	1310.2	42.9	2.4	2.4
13	1310.5	43.6	8.8	8.9	1310.2	42.9	2.3	2.3
14	1310.4	43.3	7.6	7.8	1310.2	42.9	2.3	2.3
15	1310.4	43.3	6.7	6.7	1310.2	42.9	2.3	2.3
16	1310.4	43.3	6.4	6.4	1310.2	42.9	2.3	2.3
17	1310.4	43.3	6.1	6.1	1310.2	42.9	2.2	2.2
18	1310.4	43.3	5.7	5.7	1310.2	42.9	2.1	2.1
19	1310.4	43.3	5.3	5.3	1310.1	42.6	1.9	2.1
20	1310.4	43.3	4.9	4.9	1310.1	42.6	1.9	1.9
21	1310.3	43.1	4.5	4.6	1310.1	42.6	1.8	1.8
22	1310.3	43.1	4.3	4.3	1310.1	42.6	1.7	1.7
23	1310.3	43.1	4.0	4.0	1310.1	42.6	1.7	1.7
24	1310.3	43.1	3.7	3.7	1310.1	42.6	1.7	1.7
25	1310.3	43.1	3.5	3.5	1310.1	42.6	1.7	1.7
26	1310.3	43.1	3.6	3.6	1310.1	42.6	1.7	1.7
27	1310.3	43.1	3.5	3.5	1310.1	42.6	1.7	1.7
28	1310.3	43.1	3.3	3.3	1310.1	42.6	1.7	1.7
29	1310.3	43.1	3.2	3.2	1310.1	42.6	1.5	1.5
30	1310.3	43.1	3.1	3.1	1310.1	42.6	1.4	1.4
31					1310.1	42.6	1.2	1.2
TOTAL			348.4	348.4			66.4	66.7
Inf. Ac. Ft.			691.0				131.7	1271.8
Outf. Ac. Ft.			691.0				132.3	1268.2 + (1.0)
Maximum Mean Daily Inflow			46.3				3.0	46.3
Minimum Mean Daily Inflow			3.1				1.2	0
Storage Change		0				- 0.5		+ 2.6

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1317.2	feet	on	4/3/58	Storage	61.7	Acre Feet	
Min. W. S. Elev.	1303.5	feet	on	6/7/58	Storage	29.2	Acre Feet	
Max. Peak Inf.	112.0	C.F.S. from	6:00 A.M. on	4/3/58	to	7:00 A.M. on	4/3/58	
Max. Peak Outf.	53.7	C.F.S. from	12:54 P.M. on	4/3/58	to	3:00 P.M. on	4/3/58	

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
F.D. KELLY	Dam Tender	Gage Hts. copied	JPR RAP	
J. HOLLERON	Hydrographer	Storage applied	RAP FES	
	Hydrographer	Inf. & Outf. comp.	FES JPR	

REMARKS ( ) INDICATES EVAPORATION AND OTHER LOSSES

76D138N-68B Gb 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAWPIT Dam

In Sawpit Canyon for the Year Ending September 30, 19 58

Or

Continuous Water Stage Recorder Au

Drainage Area 3.34 Square Miles. Capacity of Reservoir 304.9 Ac. Ft. at Spillway Elev. 1360.0 Ft. as of March 19 54 Gage Heights Read daily

Day	June Gage Height	June Acre Ft. Storage	June C.F.S. Inflow	June C.F.S. Outflow	July Gage Height	July Acre Ft. Storage	July C.F.S. Inflow	July C.F.S. Outflow	August Gage Height	August Acre Ft. Storage	August C.F.S. Inflow	August C.F.S. Outflow	September Gage Height	September Acre Ft. Storage	September C.F.S. Inflow	September C.F.S. Outflow	Day
1	1310.1	42.6	1.1	1.1	1310.0	42.4	0.6	0.6	1310.0	42.4	0.4	0.4	1310.0	42.4	0.3	0.2	1
2	1310.1	42.6	1.0	1.0	1310.0	42.4	0.6	0.6	1310.0	42.4	0.4	0.4	1310.0	42.4	0.3	0.3	2
3	1310.1	42.6	0.8	0.8	1310.0	42.4	0.6	0.6	1310.0	42.4	0.3	0.3	1310.0	42.4	0.3	0.3	3
4	1310.1	42.6	0.7	0.7	1310.0	42.4	0.6	0.6	1310.0	42.4	0.3	0.3	1310.0	42.4	0.3	0.3	4
5	1310.1	42.6	0.6	0.6	1310.0	42.4	0.6	0.6	1310.0	42.4	0.2	0.2	1310.0	42.4	0.3	0.3	5
6	1305.2	32.5	0.6	5.7	1310.0	42.4	0.6	0.6	1310.0	42.4	0.2	0.2	1310.0	42.4	0.3	0.3	6
7	1304.3	30.7	0.7	1.6	1310.0	42.4	0.6	0.6	1310.0	42.4	0.2	0.2	1310.0	42.4	0.3	0.3	7
8	1305.3	32.7	1.0	0	1310.0	42.4	0.5	0.5	1310.0	42.4	0.2	0.2	1310.0	42.4	0.3	0.3	8
9	1306.1	34.3	0.8	0	1310.0	42.4	0.5	0.5	1310.0	42.4	0.2	0.2	1310.0	42.4	0.2	0.2	9
10	1306.9	35.9	0.8	0	1310.0	42.4	0.5	0.5	1310.0	42.4	0.2	0.2	1310.0	42.4	0.2	0.2	10
11	1307.8	37.7	0.9	0	1310.0	42.4	0.5	0.5	1310.0	42.4	0.2	0.2	1310.0	42.4	0.2	0.2	11
12	1308.7	39.6	1.0	0	1310.0	42.4	0.5	0.5	1310.0	42.4	0.2	0.2	1310.0	42.4	0.2	0.2	12
13	1309.5	41.3	0.8	0	1310.0	42.4	0.5	0.5	1310.0	42.4	0.2	0.2	1310.0	42.4	0.2	0.2	13
14	1310.0	42.4	0.6	0	1310.0	42.4	0.5	0.5	1310.0	42.4	0.2	0.2	1310.0	42.4	0.2	0.2	14
15	1310.0	42.4	0.6	0.6	1310.0	42.4	0.5	0.5	1310.0	42.4	0.2	0.2	1310.0	42.4	0.2	0.2	15
16	1310.0	42.4	0.6	0.6	1310.0	42.4	0.5	0.5	1310.0	42.4	0.2	0.2	1310.0	42.4	0.2	0.2	16
17	1310.0	42.4	0.6	0.6	1310.0	42.4	0.5	0.5	1310.0	42.4	0.2	0.2	1310.0	42.4	0.2	0.2	17
18	1310.0	42.4	0.6	0.6	1310.0	42.4	0.5	0.5	1310.0	42.4	0.2	0.2	1310.0	42.4	0.2	0.2	18
19	1310.0	42.4	0.6	0.6	1310.0	42.4	0.5	0.5	1310.0	42.4	0.2	0.2	1310.0	42.4	0.2	0.2	19
20	1310.0	42.4	0.6	0.6	1310.0	42.4	0.5	0.5	1310.0	42.4	0.2	0.2	1310.0	42.4	0.2	0.2	20
21	1310.0	42.4	0.6	0.6	1310.0	42.4	0.4	0.4	1310.0	42.4	0.2	0.2	1310.0	42.4	0.2	0.2	21
22	1310.0	42.4	0.6	0.6	1310.0	42.4	0.4	0.4	1310.0	42.4	0.3	0.3	1310.0	42.4	0.2	0.2	22
23	1310.0	42.4	0.5	0.5	1310.0	42.4	0.4	0.4	1310.0	42.4	0.4	0.4	1310.0	42.4	0.2	0.2	23
24	1310.0	42.4	0.5	0.5	1310.0	42.4	0.4	0.4	1310.0	42.4	0.4	0.4	1310.0	42.4	0.2	0.2	24
25	1310.0	42.4	0.5	0.5	1310.0	42.4	0.4	0.4	1310.0	42.4	0.3	0.3	1310.0	42.4	0.2	0.2	25
26	1310.0	42.4	0.5	0.5	1310.0	42.4	0.4	0.4	1310.0	42.4	0.3	0.3	1310.0	42.4	0.2	0.2	26
27	1310.0	42.4	0.5	0.5	1310.0	42.4	0.4	0.4	1310.0	42.4	0.3	0.3	1310.0	42.4	0.2	0.2	27
28	1310.0	42.4	0.5	0.5	1310.0	42.4	0.4	0.4	1310.0	42.4	0.2	0.2	1310.0	42.4	0.2	0.2	28
29	1310.0	42.4	0.5	0.5	1310.0	42.4	0.4	0.4	1310.0	42.4	0.2	0.2	1310.0	42.4	0.2	0.2	29
30	1310.0	42.4	0.5	0.5	1310.0	42.4	0.4	0.4	1310.0	42.4	0.3	0.3	1310.0	42.4	0.2	0.2	30
31					1310.0	42.4	0.4	0.4	1310.0	42.4	0.3	0.3					31
TOTAL			20.2	20.3			15.1	15.1			7.8	7.8			6.8	6.8	
Inf. Ac. Ft.			40.1				30.0				15.5				13.5	1370.9	
Outf. Ac. Ft.			40.3				30.0				15.5				13.5	1368.5 + [illegible]	
Maximum Mean Daily Inflow			1.1				0.6				0.4				0.3	46.3	
Minimum Mean Daily Inflow			0.5				0.4				0.2				0.2	0	
Storage Change		-0.2				0				0				0		+2.4	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1317.2	feet on	4/3/58	Storage	61.7	Acre Feet			
Min. W. S. Elev.	1303.5	feet on	6/7/58	Storage	29.2	Acre Feet			
Max. Peak Inf.	112.0	C. F. S. from	6:00 A.M. on	4/3/58	to	7:00 A.M. on	4/3/58		
Max. Peak Outf.	53.7	C. F. S. from	12:54 P.M. on	4/3/58	to	3:00 P.M. on	4/3/58		

REMARKS

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
F.D. KELLY	Dam Tender	Gage Hts. copied	JPR	RAP
J. HOLLERON	Hydrographer	Storage applied	RAP	FES
	Hydrographer	Inf. & Outf. comp.	FES	JPR

76D138N-68B Gb 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAWPIT Dam

In Sawpit Canyon for the Year Ending September 30, 19 59

Or

Continuous Water Stage Recorder Au

Drainage Area 3.34 Square Miles. Capacity of Reservoir 254.2 304.9 Ac. Ft. at Spillway Elev. 1360.0 Ft. as of February 1959 March 19 54. Gage Heights Read daily

Day	October Gage Height	October Acre Ft. Storage	October C.F.S. Inflow	October C.F.S. Outflow	November Gage Height	November Acre Ft. Storage	November C.F.S. Inflow	November C.F.S. Outflow	December Gage Height	December Acre Ft. Storage	December C.F.S. Inflow	December C.F.S. Outflow	January Gage Height	January Acre Ft. Storage	January C.F.S. Inflow	January C.F.S. Outflow	Day
1	1310.0	42.4	0.2	0.2	1310.0	42.4	0.8	0.8	1310.0	42.4	0.6	0.6	1310.0	42.4	0.5	0.5	1
2	1310.0	42.4	0.2	0.2	1310.0	42.4	0.8	0.8	1310.0	42.4	0.6	0.6	1310.0	42.4	0.5	0.5	2
3	1310.0	42.4	0.2	0.2	1310.0	42.4	0.7	0.7	1310.0	42.4	0.6	0.6	1310.0	42.4	0.5	0.5	3
4	1310.0	42.4	0.2	0.2	1310.0	42.4	0.7	0.7	1310.0	42.4	0.6	0.6	1310.0	42.4	0.4	0.4	4
5	1310.0	42.4	0.2	0.2	1310.0	42.4	0.7	0.7	1310.1	32.3	0.6	4.7	1310.1	42.6	0.6	0.5	5
6	1310.0	42.4	0.2	0.2	1310.0	42.4	0.7	0.7	1303.1	28.4	0.6	1.7	1321.3	*75.9	24.1	7.2	6
7	1310.0	42.4	0.2	0.2	1310.0	42.4	0.7	0.7	1304.2	30.5	0.6	0.4	1321.6	25.9	10.8	+	7
8	1310.0	42.4	0.2	0.2	1310.0	42.4	0.7	0.7	1302.5	27.2	0.6	2.2	1321.7	26.2	0.8	0.3	8
9	1310.0	42.4	0.2	0.2	1310.0	42.4	0.7	0.7	1301.8	25.9	0.5	1.1	1321.3	24.8	0.8	1.2	9
10	1310.0	42.4	0.2	0.2	1310.0	42.4	0.7	0.7	1299.8	22.1	0.5	2.0	1320.5	22.0	0.8	2.1	10
11	1310.0	42.4	0.2	0.2	1310.0	42.4	0.7	0.7	1300.1	22.7	0.5	0.8	1319.8	19.8	0.8	2.1	11
12	1310.0	42.4	0.2	0.2	1310.0	42.4	0.7	0.7	1301.0	24.4	0.5	0	1318.9	17.2	0.8	2.1	12
13	1310.0	42.4	0.2	0.2	1310.0	42.4	0.7	0.7	1301.8	25.9	0.5	0	1317.9	14.7	0.8	2.1	13
14	1310.0	42.4	0.2	0.2	1310.0	42.4	0.7	0.7	1302.4	27.1	0.5	0	1316.7	11.9	0.8	2.1	14
15	1310.0	42.4	0.2	0.2	1310.0	42.4	0.7	0.7	1303.0	28.2	0.5	0	1315.4	9.2	0.7	2.0	15
16	1310.0	42.4	0.2	0.2	1310.0	42.4	0.7	0.7	1303.6	29.3	0.5	0	1314.6	7.7	0.7	1.8	16
17	1310.0	42.4	0.2	0.2	1310.0	42.4	0.7	0.7	1304.2	30.5	0.5	0	1313.9	6.5	0.7	1.5	17
18	1310.0	42.4	0.3	0.3	1310.0	42.4	0.7	0.7	1304.7	31.5	0.5	0	1313.4	5.6	0.7	1.3	18
19	1310.0	42.4	0.3	0.3	1310.0	42.4	0.7	0.7	1305.1	32.3	0.5	0	1313.3	5.5	0.7	1.0	19
20	1310.0	42.4	0.5	0.3	1310.0	42.4	0.7	0.7	1305.7	33.5	0.5	0	1313.2	5.3	0.7	0.8	20
21	1310.0	42.4	0.3	0.3	1310.0	42.4	0.7	0.7	1306.2	34.5	0.5	0	1313.2	5.3	0.8	0.6	21
22	1310.0	42.4	0.3	0.3	1310.0	42.4	0.7	0.7	1306.7	35.5	0.5	0	1313.2	5.3	0.8	0.4	22
23	1310.0	42.4	0.3	0.3	1310.0	42.4	0.6	0.6	1307.1	36.3	0.5	0	1313.4	5.6	0.8	0.6	23
24	1310.3	43.1	3.7	3.3	1310.0	42.4	0.6	0.6	1307.6	37.3	0.5	0	1313.5	5.6	0.8	0.8	24
25	1310.1	42.6	1.8	2.1	1310.0	42.4	0.6	0.6	1308.0	38.1	0.5	0	1313.5	5.6	0.8	0.8	25
26	1310.1	42.6	1.3	1.3	1310.0	42.4	0.6	0.6	1308.5	39.2	0.5	0	1313.5	5.8	0.8	0.9	26
27	1310.0	42.4	1.1	1.2	1310.0	42.4	0.6	0.6	1309.0	40.2	0.5	0	1313.5	5.8	0.8	0.9	27
28	1310.0	42.4	1.1	1.1	1310.0	42.4	0.6	0.6	1309.5	41.3	0.5	0	1313.5	5.8	0.8	1.0	28
29	1310.0	42.4	0.9	0.9	1310.0	42.4	0.6	0.6	1310.0	42.4	0.5	0	1313.5	5.8	0.8	0.9	29
30	1310.0	42.4	0.8	0.8	1310.0	42.4	0.6	0.6	1310.0	42.4	0.5	0.5	1313.5	5.8	0.8	0.9	30
31	1310.0	42.4	0.8	0.8					1310.0	42.4	0.5	0.5	1313.6	6.0	0.9	0.8	31
TOTAL			16.7	16.7			20.4	20.4			16.3	16.3			46.1	38.7	
Inf. Ac. Ft.			33.1				40.1				32.3				91.4	1969	
Outf. Ac. Ft.			33.1				40.1				32.3				76.8	1823	
Maximum Mean Daily Inflow			3.7				0.8				0.6				24.1	24.1	
Minimum Mean Daily Inflow			0.2				0.6				0.5				0.4	0.2	
Storage Change		0				0				0				-36.4		-36.4*	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1336.6	feet on	2/16/59	Storage	129.8	Acre Feet			
Min. W. S. Elev.	DRY	feet on	VARIOUS DAYS	Storage	0	Acre Feet			
Max. Peak Inf.	1600.0	C. F. S. from	4:30 A.M. on	1/6/59	to	4:45 A.M. on	1/6/59		
Max. Peak Outf.	16.0	C. F. S. from	2:00 P.M. on	2/16/59	to	3:00 P.M. on	2/16/59		

REMARKS *STORAGE TABLE CHANGED 1/6/59 51.1 A.F. LOSS.

C INDICATES AVERAGE FOR PERIOD

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
F.D. KELLY	Dam Tender	Gage Hts. copied	RAP	TS
J. HOLLERON	Hydrographer	Storage applied	RAP	TS
	Hydrographer	Inf. & Outf. comp.	TS	RAP

76D138N-68B Gib 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAWPIT Dam

In Sawpit Canyon for the Year Ending September 30, 1959

Drainage Area 3.34 Square Miles. Capacity of Reservoir 254.2 Ac. Ft. at Spillway Elev. 1360.0 Ft. as of February, 1959

Continuous Water Stage Recorder Au

Gage Heights Read daily

Day	February Gage Height	February Acre Ft. Storage	February C.F.S. Inflow	February C.F.S. Outflow	March Gage Height	March Acre Ft. Storage	March C.F.S. Inflow	March C.F.S. Outflow	April Gage Height	April Acre Ft. Storage	April C.F.S. Inflow	April C.F.S. Outflow	May Gage Height	May Acre Ft. Storage	May C.F.S. Inflow	May C.F.S. Outflow	Day
1	1313.7	61	0.9	0.8	1325.4	40.6	[1.2	2.8	1321.0	23.7	[0.7	1.4			2.3	2.3	1
2	1313.7	61	0.8	0.8	1324.6	37.4	1.2	2.7	1321.0	*23.1	0.6	0.9			2.3	2.3	2
3	1313.7	61	0.8	0.8	1323.7	33.8	1.2	2.7	1321.0	22.5	0.6	0.9			2.3	2.3	3
4	1313.8	63	0.8	0.8	1322.9	30.7	1.2	2.7	1321.0	21.9	0.6	0.9			2.3	2.3	4
5	1313.6	63	0.8	0.8	1321.9	26.9	1.2	2.7	1321.0	21.1	0.5	0.9			2.3	2.3	5
6	1314.2	70	0.8	0.4	1320.9	23.4	1.2	2.7	1321.0	20.1	0.5	1.0			2.3	2.3	6
7	1315.2	89	1.1	0.1	1320.1	20.7	1.2	2.5	1321.0	19.1	0.5	1.0			2.3	2.3	7
8	1319.4	187	5.0	0.1	1319.6	19.2	1.2	2.0	1321.1	18.1	0.5	1.0			2.2	2.2	8
9	1320.0	204	1.0	0.1	1319.3	18.4	1.2	1.9	1321.2	17.1	0.5	1.0			2.0	2.0	9
10	1320.8	230	1.3	+	1319.1	17.8	1.2	1.6	1320.6	14.8	[0.5	1.7			1.9	1.9	10
11	1334.8	856	31.5	+	1319.0	17.5	1.2	1.4	1319.5	11.0	[0.5	2.4			1.8	1.8	11
12	1333.3	772	1.1	5.3	1319.0	17.5	1.2	1.2	1318.3	7.6	0.5	2.2			1.6	1.6	12
13	1329.0	661	0.2	10.8	1319.4	18.7	1.2	0.8	1317.3	5.1	0.5	1.6			1.5	1.5	13
14	1324.6	374	0.2	9.7	1320.3	21.4	1.2	+	1315.4	1.7	0.5	2.2			1.3	1.3	14
15	1323.0	311	1.4	4.5	1321.2	24.4	[1.1	+	1315 ±	0	[0.5	1.4			1.3	1.3	15
16	1336.2	931	35.7	4.5	1321.0	23.7	[1.1	1.3			** 1.3	1.3	SLUICING		1.2	1.2	16
17	1331.6	700	1.4	13.5	1320.7	22.7	1.0	1.5			1.3	1.3			1.2	1.2	17
18	1327.9	512	3.4	12.4	1321.5	23.5	1.0	+			1.3	1.3			1.2	1.2	18
19	1328.3	530	4.1	3.2	1322.2	28.1	1.0	+			1.3	1.3			1.2	1.2	19
20	1328.0	516	2.6	3.3	1322.4	28.8	1.0	0.7			1.3	1.3			1.1	1.1	20
21	1329.9	604	7.2	2.8	1321.4	25.1	1.0	2.2			1.3	1.3			1.1	1.1	21
22	1329.6	590	2.3	3.0	1320.5	22.0	1.0	2.2			1.3	1.3			1.1	1.1	22
23	1329.5	575	2.2	2.9	1319.5	19.0	1.0	2.2			1.5	1.5			1.1	1.1	23
24	1328.8	552	1.7	2.9	1319.8	19.8	1.0	0.8			1.5	1.5			1.1	1.1	24
25	1328.3	530	1.7	2.8	1320.1	20.7	1.0	0.6			2.5	2.5			1.1	1.1	25
26	1327.6	498	1.3	2.8	1320.3	21.4	1.0	0.8			2.7	2.7			1.1	1.1	26
27	1326.9	468	1.3	2.8	1321.2	24.4	1.0	+			1.4	1.4			1.1	1.1	27
28	1326.2	439	1.2	2.8	1321.9	26.9	1.0	+			1.4	1.4			1.2	1.2	28
29					1322.6	29.6	1.0	+			1.4	1.4			1.2	1.2	29
30					1322.3	29.4	1.0	1.3			1.7	1.7			1.2	1.2	30
31					1321.4	25.1	[1.0	2.2							1.2	1.2	31
TOTAL			113.8	94.7			34.0	43.5			31.2	43.9			48.1	48.1	
Inf. Ac. Ft.			225.7				67.4				61.9				95.4	64.7.3	
Outf. Ac. Ft.			187.8				96.3				99.4				95.4	638.9	
Maximum Mean Daily Inflow			35.7				1.2				2.7				2.3	35.7	
Minimum Mean Daily Inflow			0.2				1.0				0.5				1.1	0.2	
Storage Change		+ 37.9				- 18.8				- 25.1				± 0		- 42.4	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1336.6	feet	on	2/16/59	Storage	129.8	Acre Feet		
Min. W. S. Elev.	DRY	feet	on	VARIOUS DAYS	Storage	0	Acre Feet		
Max. Peak Inf.	1600.0	C. F. S. from	4:30 A.M.	on	1/6/59	to	4:45 A.M.	on	1/6/59
Max. Peak Outf.	16.0	C. F. S. from	2:00 P.M.	on	2/16/59	to	3:00 P.M.	on	2/16/59

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
F.D. KELLY	Dam Tender	Gage Hts. copied	RAP	TS
J. HOLLERON	Hydrographer	Storage applied	RAP	TS
	Hydrographer	Inf. & Outf. comp.	TS	RAP

REMARKS
* STORAGE TABLE NOT USED AFTER 4/1/59 DUE TO SLUICING OPERATIONS
** INCLUDES WATER FROM MONROVIA PIPELINE
[INCLUDES AVERAGE FOR PERIOD

76D138N-68B Gib 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAWPIT Dam

In Sawpit Canyon for the Year Ending September 30, 1959

Drainage Area 3.34 Square Miles. Capacity of Reservoir 254.2 Ac. Ft. at Spillway Elev. 1360.0 Ft. as of September 1959 February, 1959

Continuous Water Stage Recorder Au

Gage Heights Read daily

Day	June Gage Height	June Acre Ft. Storage	June C.F.S. Inflow	June C.F.S. Outflow	July Gage Height	July Acre Ft. Storage	July C.F.S. Inflow	July C.F.S. Outflow	August Gage Height	August Acre Ft. Storage	August C.F.S. Inflow	August C.F.S. Outflow	September Gage Height	September Acre Ft. Storage	September C.F.S. Inflow	September C.F.S. Outflow	Day
1			1.2	1.2			1.1	1.1			1.0	1.0			0.2	0.2	1
2			1.2	1.2			1.1	1.1			1.0	1.0			0.2	0.2	2
3			1.2	1.2			1.1	1.1			1.0	1.0			0.2	0.2	3
4			1.2	1.2			1.1	1.1			0.7	0.7			0.2	0.2	4
5			1.2	1.2			1.1	1.1			0.3	0.3			0.2	0.2	5
6			1.2	1.2			1.1	1.1			0.3	0.3			0.2	0.2	6
7			1.2	1.2			1.1	1.1			0.3	0.3			0.2	0.2	7
8			1.2	1.2			1.1	1.1			0.3	0.3			0.2	0.2	8
9			1.2	1.2			1.1	1.1			0.3	0.3			0.2	0.2	9
10			1.2	1.2			1.1	1.1			0.3	0.3	SLUICING		0.2	0.2	10
11			1.2	1.2			1.1	1.1			0.3	0.3			0.2	0.2	11
12			1.2	1.2			1.1	1.1			0.3	0.3			0.2	0.2	12
13			1.2	1.2			1.1	1.1			0.3	0.3			0.2	0.2	13
14			1.2	1.2			1.1	1.1			0.3	0.3			0.2	0.2	14
15			1.2	1.2			1.1	1.1			0.3	0.3			0.2	0.2	15
16		SLUICING	1.2	1.2		SLUICING	1.1	1.1		SLUICING	0.3	0.3			0.2	0.2	16
17			1.2	1.2			1.1	1.1			0.3	0.3	*12310	+	[0.2	0.2	17
18			1.2	1.2			1.1	1.1			0.3	0.3	12329	0.2	0.2	0.2	18
19			1.2	1.2			1.1	1.1			0.3	0.3	12354	0.5	0.2	0.1	19
20			1.2	1.2			1.1	1.1			0.3	0.3	12370	0.7	0.2	0.1	20
21			1.2	1.2			1.0	1.0			0.3	0.3	12385	0.9	0.2	0.1	21
22			1.2	1.2			1.0	1.0			0.3	0.3	12396	1.2	0.2	0	22
23			1.1	1.1			1.0	1.0			0.3	0.3	12612	1.4	0.2	0	23
24			1.1	1.1			1.0	1.0			0.2	0.2	12622	1.6	0.2	0	24
25			1.1	1.1			1.0	1.0			0.2	0.2	12632	1.9	0.1	0	25
26			1.1	1.1			1.0	1.0			0.2	0.2	12642	2.1	0.1	0	26
27			1.1	1.1			1.0	1.0			0.2	0.2	12651	2.4	0.1	0	27
28			1.1	1.1			1.0	1.0			0.2	0.2	12659	2.6	0.1	0	28
29			1.1	1.1			1.0	1.0			0.2	0.2	12667	2.8	0.1	0	29
30			1.1	1.1			1.0	1.0			0.2	0.2	12674	3.0	[0.1	0	30
31							1.0	1.0			0.2	0.2					31
TOTAL			35.2	35.2			33.0	33.0			11.0	11.0			5.4	3.9	
Inf. Ac. Ft.			69.8				65.5				21.8				10.7	81.5.1	
Outf. Ac. Ft.			69.8				65.5				21.8				7.7	80.3.7	
Maximum Mean Daily Inflow			1.2				1.1				1.0				0.2	35.7	
Minimum Mean Daily Inflow			1.1				1.0				0.2				0.1	0.1	
Storage Change		± 0				± 0				± 0				+ 3.0		- 4.4	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1336.6	feet	on	2/16/59	Storage	129.8	Acre Feet		
Min. W. S. Elev.	DRY	feet	on	VARIOUS DAYS	Storage	0	Acre Feet		
Max. Peak Inf.	1600.0	C. F. S. from	4:30 A.M.	on	1/6/59	to	4:45 A.M.	on	1/6/59
Max. Peak Outf.	16.0	C. F. S. from	2:00 P.M.	on	2/16/59	to	3:00 P.M.	on	2/16/59

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
F.D. KELLY	Dam Tender	Gage Hts. copied	RAP	TS
J. HOLLERON	Hydrographer	Storage applied	RAP	TS
	Hydrographer	Inf. & Outf. comp.	TS	RAP

REMARKS
[INDICATES AVERAGE FOR PERIOD
* NEW SURVEY SHOWS 35.0 A.F. RECOVERED BY EXCAVATION AND SLUICING

76D138N-68B Gib 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of COGSWELL Dam

In San Gabriel Canyon - West Fork for the Year Ending September 30, 1958

Drainage Area 39.2 Square Miles. Capacity of Reservoir 10634.3 Ac. Ft. at Spillway Elev. 2385 Ft. as of September, 1947

Continuous Water Stage Recorder Stevens A-35

Gage Heights Read daily

Day	October Gage Height	October Acre Ft. Storage	October C.F.S. Inflow	October C.F.S. Outflow	November Gage Height	November Acre Ft. Storage	November C.F.S. Inflow	November C.F.S. Outflow	December Gage Height	December Acre Ft. Storage	December C.F.S. Inflow	December C.F.S. Outflow	January Gage Height	January Acre Ft. Storage	January C.F.S. Inflow	January C.F.S. Outflow	Day
1	2251.5	5301	0	8.0	2220.8	1077	1.1	0.1	2226.4	1512	1.1	0.1	2277.8	12977	4.3	0.5	1
2	2250.8	5151	0	8.0	2221.3	1111	1.9	0.2	2226.6	1530	1.1	0.1	2278.1	13090	6.4	0.5	2
3	2250.1	5004	0	8.0	2221.8	1147	1.9	0.1	2226.8	1547	1.0	0.1	2278.3	13166	4.6	0.5	3
4	2249.4	4859	0	8.0	2222.0	1161	0.9	0.1	2228.0	1656	5.8	0.2	2278.5	13242	4.5	0.5	4
5	2248.6	4697	0	8.0	2222.2	1176	0.9	0.1	2231.7	2032	19.8	0.8	2278.8	13355	6.6	0.5	5
6	2247.8	4538	0	8.0	2222.4	1191	0.9	0.1	2232.9	2168	7.0	0.2	2279.0	13431	4.5	0.5	6
7	2247.0	4381	0	8.0	2222.6	1205	0.9	0.1	2233.5	2239	3.9	0.2	2279.2	13508	4.6	0.5	7
8	2246.2	4229	0	8.0	2222.8	1220	0.8	0.1	2234.0	2299	3.2	0.2	2279.4	13586	4.6	0.5	8
9	2245.3	4061	0	7.7	2222.9	1228	0.6	0.1	2234.4	2349	2.8	0.1	2279.6	13663	4.6	0.5	9
10	2244.5	3915	0	7.7	2223.1	1243	0.9	0.1	2234.7	2387	2.1	0.1	2279.8	13741	4.5	0.5	10
11	2243.8	3790	0.1	8.2	2223.3	1258	0.9	0.1	2235.0	2424	2.0	0.1	2280.0	13818	4.6	0.5	11
12	2243.0	3649	0	8.0	2223.4	1266	0.5	0.1	2235.3	2463	2.2	0.1	2280.2	13897	4.7	0.5	12
13	2242.2	3511	0	8.0	2223.6	1281	0.9	0.1	2235.5	2490	1.6	0.1	2280.4	13976	4.6	0.5	13
14	2241.4	3377	0.1	7.7	2223.8	1297	1.0	0.1	2235.8	2529	2.0	0.1	2280.5	14016	2.7	0.5	14
15	2240.6	3245	0.1	7.0	2223.9	1304	0.5	0.1	2253.4	5719	162.5	1.6	2280.7	14095	4.7	0.5	15
16	2239.4	3052	0.1	8.2	2224.0	1312	0.5	0.1	2269.0	9937	213.2	0.6	2280.9	14174	4.7	0.5	16
17	2238.3	2883	0	8.2	2224.1	1320	0.6	0.1	2277.7	12940	152.0	0.6	2281.1	14253	4.7	0.5	17
18	2237.2	2721	0	8.2	2224.2	1328	0.5	0.1	2279.9	13779	43.0	0.6	2281.2	14294	2.7	0.5	18
19	2235.9	2542	0	8.2	2224.3	1336	0.9	0.4	2281.3	14334	28.6	0.5	2281.4	14375	4.9	0.5	19
20	2234.7	2387	0.1	8.2	2224.4	1344	0.5	0.1	2282.0	14617	21.4	7.0	2281.5	14415	2.8	0.5	20
21	2233.4	2227	0.1	8.0	2224.6	1361	0.9	0.1	2282.6	14864	12.8	0.3	2281.7	14496	4.8	0.5	21
22	2231.7	2032	0	8.0	2224.7	1369	0.6	0.1	2283.2	15112	12.9	0.3	2281.8	14536	2.7	0.5	22
23	2230.0	1852	0	7.7	2224.9	1385	0.9	0.1	2283.7	15321	11.1	0.3	2282.0	14617	4.8	0.5	23
24	2227.9	1647	0	7.7	2225.1	1401	1.0	0.1	2284.2	15532	11.1	0.3	2282.1	14658	2.6	0.5	24
25	2225.9	1469	0	7.7	2225.3	1418	1.0	0.1	2284.6	15703	9.1	0.3	2282.6	14864	11.0	0.6	25
26	2223.9	1304	0.1	7.7	2225.5	1435	1.0	0.1	2281.2	14294	19.2	9.0	2287.1	16793	114.0	16.8	26
27	2221.6	1133	0	7.7	2225.7	1452	0.9	0.1	2280.4	13976	10.2	26.0	2287.1	16793	27.1	27.0	27
28	2219.7	1004	0	6.2	2225.9	1469	1.0	0.1	2279.6	13663	9.4	25.0	2286.7	16616	18.2	27.0	28
29	2220.0	1023	0	0.2	2226.0	1477	0.6	0.1	2278.7	13317	7.6	25.0	2286.1	16351	13.7	27.0	29
30	2220.3	1043	0	0.1	2226.2	1495	1.0	0.1	2277.7	12940	5.1	24.0	2285.5	16091	14.0	27.0	30
31	2220.5	1057	0.1	0.2					2277.6	12903	7.6	9.2	2284.9	15831	14.0	27.0	31
TOTAL			0.8	220.5			26.5	3.4			792.4	214.1			317.2	164.4	
Inf. Ac. Ft.			1.6				52.6				1571.7				629.2	2255.1	
Outf. Ac. Ft.		437.4		+(6.0)			67	+(2.0)			424.7	+(6.1)		326.1	+(10.3)	1194.9+(24.4)	
Maximum Mean Daily Inflow			0.1				1.9				213.2				114.0	213.2	
Minimum Mean Daily Inflow			0				0.5				1.0				2.6	0	
Storage Change		-441.8				+43.8				+1140.8				+292.8		1035.6	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	2383.9	feet on	6/29/58	Storage	10425.1	Acre Feet	
Min. W. S. Elev.	2219.6	feet on	10/28/57	Storage	78.4	Acre Feet	
Max. Peak Inf.	3710.	C.F.S. from	8:00 A.M. on	4/3/58	to	9:00 A.M. on	4/3/58
Max. Peak Outf.	1230.	C.F.S. from	2:30 P.M. on	4/4/58	to	3:30 P.M. on	4/4/58

REMARKS ( ) INDICATES EVAPORATION LOSSES

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
E.C. WINDER	Dam Tender	Gage Hts. copied	JPR	FES
E.K. DE VORE	Hydrographer	Storage applied	RAP	JPR
	Hydrographer	Inf. & Outf. comp.	FES	RAP

76D138N-68B Gib 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of COGSWELL Dam

In San Gabriel Canyon - West Fork for the Year Ending September 30, 1958

Drainage Area 39.2 Square Miles. Capacity of Reservoir 10634.3 Ac. Ft. at Spillway Elev. 2385 Ft. as of December 1957 September, 1947

Continuous Water Stage Recorder Stevens A-35

Gage Heights Read daily

Day	February Gage Height	February Acre Ft. Storage	February C.F.S. Inflow	February C.F.S. Outflow	March Gage Height	March Acre Ft. Storage	March C.F.S. Inflow	March C.F.S. Outflow	April Gage Height	April Acre Ft. Storage	April C.F.S. Inflow	April C.F.S. Outflow	May Gage Height	May Acre Ft. Storage	May C.F.S. Inflow	May C.F.S. Outflow	Day
1	2284.0	15447	7.8	27.0	2312.2	30480	51.0	54.0	2360.8	74475	763.4	165.0	2382.9	10281	68.8	68.0	1
2	2283.4	15196	14.5	27.0	2312.1	30416	51.1	54.0	2364.4	78772	475.8	259.0	2382.8	10267	61.6	68.0	2
3	2294.1	20086	333.5	87.0	2311.7	30160	41.4	54.0	2376.6	94526	1462.3	668.0	2382.7	10252	61.9	68.0	3
4	2307.6	27610	930.4	551.0	2311.3	29906	41.7	54.0	2370.0	85790	709.8	1150.0	2382.5	10224	55.2	68.0	4
5	2295.0	20539	336.5	693.0	2311.6	30097	41.7	32.0	2359.5	72970	524.1	1170.0	2382.5	10224	55.1	53.0	5
6	2294.7	20388	145.4	153.0	2313.0	30998	46.6	1.0	2359.3	72740	337.4	349.0	2382.6	10238	55.9	47.0	6
7	2292.4	19252	92.8	150.0	2314.3	31857	44.3	0.9	2361.0	74708	371.2	272.0	2382.6	10238	48.5	47.0	7
8	2289.4	17836	73.6	145.0	2315.4	32600	38.4	0.9	2361.6	75415	313.2	277.0	2382.6	10238	48.3	47.0	8
9	2286.3	16439	70.7	141.0	2316.5	33358	39.4	0.9	2363.3	77440	282.8	180.0	2382.7	10252	49.2	41.0	9
10	2281.9	14577	39.2	133.0	2317.5	34058	36.8	1.0	2363.5	77681	260.0	247.0	2382.8	10267	46.3	38.0	10
11	2280.5	14016	47.6	76.0	2318.8	34981	47.6	1.1	2363.4	77560	241.8	247.0	2382.8	10267	38.8	38.0	11
12	2280.8	14134	41.1	35.0	2319.9	35776	41.5	1.1	2363.0	77078	223.6	247.0	2382.9	10281	46.1	38.0	12
13	2281.9	14577	40.8	18.3	2320.9	36509	38.1	1.1	2362.2	76124	199.9	247.0	2383.0	10295	46.7	38.0	13
14	2283.4	15196	31.8	0.5	2322.0	37326	42.3	1.1	2363.4	77560	178.6	105.0	2383.0	10295	39.6	38.0	14
15	2284.8	15789	30.6	0.5	2318.3	34624	229.7	366.0	2366.0	80735	168.4	7.0	2383.0	10295	35.1	33.0	15
16	2286.1	16351	28.9	0.5	2324.3	39071	610.3	386.0	2368.2	8299.6*	147.1	7.0	2383.0	10295	34.7	33.0	16
17	2287.2	16838	25.4	0.5	2330.0	43662	233.2	1.8	2370.2	85554	137.1	7.0	2383.0	10295	34.4	33.0	17
18	2288.5	17425	30.3	0.5	2334.2	47276	184.6	2.0	2372.2	88156	139.0	7.0	2383.0	10295	34.5	33.0	18
19	2301.7	24140	348.8	10.3	2337.3	50036	141.8	2.2	2374.1	90668	134.5	7.0	2383.0	10295	29.0	27.0	19
20	2306.4	26884	140.8	2.2	2335.5	48422	148.8	230.0	2375.8	92948	122.9	6.7	2383.1	10310	32.6	24.0	20
21	2309.2	28591	88.2	2.0	2327.5	41591	179.6	524.0	2377.3	94985	110.6	6.4	2383.1	10310	26.0	24.0	21
22	2311.5	30033	74.8	1.9	2328.0	41995	220.8	200.0	2378.7	96908	104.8	6.2	2383.1	10310	26.0	24.0	22
23	2312.5	30675	61.5	29.0	2331.5	44939	151.1	2.3	2380.0	98713	98.2	5.9	2383.2	10324	32.8	24.0	23
24	2312.9	30933	60.3	47.0	2334.2	47276	120.4	2.3	2381.2	100399	92.4	5.9	2383.2	10324	25.5	24.0	24
25	2314.2	31790	119.2	76.0	2336.7	49495	114.6	2.3	2382.3	101958	85.5	5.9	2383.2	10324	26.2	24.0	25
26	2313.8	31524	83.1	96.0	2338.9	51499	103.7	2.2	2382.8	102671	81.0	44.0	2383.2	10324	26.1	24.0	26
27	2312.9	30933	64.6	94.0	2341.9	54346	147.8	4.2	2382.8	102671	73.1	72.0	2383.2	10324	26.0	24.0	27
28	2312.3	30545	60.7	80.0	2344.2	56642	118.2	2.3	2382.9	102813	78.4	70.0	2383.1	10310	19.1	24.0	28
29					2346.3	58784	110.9	2.4	2382.9	102813	70.9	70.0	2383.1	10310	21.4	19.1	29
30					2348.2	60741	101.5	2.5	2382.9	102813	70.9	70.0	2383.2	10324	23.4	14.4	30
31					2350.0	62605	97.0	2.6					2383.3	10338	23.1	14.4	31
TOTAL			3423.1	2677.2			3615.9	1992.2			8058.7	5981.0			1197.9	1119.9	
Inf. Ac. Ft.			6789.6				7172.0				15984.2				2376.0	34576.9	
Outf. Ac. Ft.			5310.1	+(8.1)			3951.5	+(14.5)			11863.1	+(50.8)		2221.3	+(97.2)	24540.9+(195.0)	
Maximum Mean Daily Inflow			930.4				610.3				1462.3				68.8	1462.3	
Minimum Mean Daily Inflow			7.8				36.8				70.9				19.1	0	
Storage Change		+1471.4				+3206.0				+4020.8				+57.5		9791.3	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	2383.9	feet on	6/29/58	Storage	10425.1	Acre Feet	
Min. W. S. Elev.	2219.6	feet on	10/28/57	Storage	78.4	Acre Feet	
Max. Peak Inf.	3710.	C.F.S. from	8:00 A.M. on	4/3/58	to	9:00 A.M. on	4/3/58
Max. Peak Outf.	1230.	C.F.S. from	2:30 P.M. on	4/4/58	to	3:30 P.M. on	4/4/58

REMARKS ( ) INDICATES EVAPORATION LOSSES

* 49.5 ACRE FEET OF STORAGE LOST BY SILTATION

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
E.C. WINDER	Dam Tender	Gage Hts. copied	JPR	FES
E.K. DE VORE	Hydrographer	Storage applied	RAP	JPR
	Hydrographer	Inf. & Outf. comp.	FES	RAP

76D138N-68B Gb 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of COGSWELL Dam

In San Gabriel Canyon - West Fork for the Year Ending September 30, 1956

Drainage Area 39.2 Square Miles. Capacity of Reservoir 10634.3 Ac. Ft. at Spillway Elev. 2385 Ft. as of December 1957

Continuous Water Stage Recorder Stevens A-35

Gage Heights Read Daily

Day	June Gage Height	June Acre Ft. Storage	June C.F.S. Inflow	June C.F.S. Outflow	July Gage Height	July Acre Ft. Storage	July C.F.S. Inflow	July C.F.S. Outflow	August Gage Height	August Acre Ft. Storage	August C.F.S. Inflow	August C.F.S. Outflow	September Gage Height	September Acre Ft. Storage	September C.F.S. Inflow	September C.F.S. Outflow	Day
1	2383.4	10353	19.7	14.4	2383.7	10396	10.4	12.4	2366.8	8123.5	7.9	7.6 0	2328.6	4199.5	1.6	4.3 0	1
2	2383.4	10353	19.7	14.8	2383.7	10396	10.4	11.1	2365.7	7987.0	7.9	7.2 0	2327.6	4117.5	1.6	4.2 0	2
3	2383.4	10353	19.7	15.3	2383.7	10396	10.4	11.1	2364.7	7864.2	7.9	7.4 0	2326.6	4037.2	1.5	4.0 0	3
4	2383.5	10367	19.7	15.7	2383.6	10381	10.3	11.1	2363.5	7718.6	7.9	7.8 0	2325.6	3998.4	1.5	4.0 0	4
5	2383.5	10367	19.7	15.7	2383.6	10381	10.3	11.1	2362.4	7586.8	7.9	7.8 0	2324.6	3860.7	1.5	4.0 0	5
6	2383.6	10381	20.5	15.7	2383.6	10381	8.4	11.1	2361.2	7444.9	7.9	7.6 0	2323.5	3796.3	1.5	4.0 0	6
7	2383.6	10381	20.5	15.7	2383.5	10367	8.4	11.1	2359.8	7282.0	7.9	8.4 0	2322.4	3713.1	1.5	4.0 0	7
8	2383.6	10381	20.5	15.7	2383.4	10353	8.4	14.0	2358.4	7121.7	7.8	9.4 0	2321.4	3638.4	1.5	4.2 0	8
9	2383.7	10396	20.5	16.2	2383.2	10324	8.4	16.7	2356.7	6930.8	7.8	9.2 0	2320.4	3564.6	1.5	4.2 0	9
10	2383.7	10396	20.5	16.2	2383.0	10295	8.4	20.0	2355.1	6754.3	7.8	9.2 0	2319.3	3484.5	1.6	4.2 0	10
11	2383.7	10396	17.8	16.2	2382.6	10238	6.7	29.0	2353.6	6591.5	9.3	9.7 0	2318.2	3405.7	1.2	4.2 0	11
12	2383.8	10410	17.8	15.0	2382.2	10181	6.6	29.0	2351.8	6399.4	9.3	10.3 0	2317.0	3320.9	1.2	4.0 0	12
13	2383.8	10410	17.8	16.2	2381.9	10138	6.6	29.0	2350.9	6304.8	9.3	5.5 0	2315.8	3237.7	1.2	4.0 0	13
14	2383.7	10396	17.7	16.2	2381.4	10068	6.6	35.0	2350.3	6242.2	9.3	4.4 0	2314.6	3156.3	1.2	4.0 0	14
15	2383.7	10396	17.7	16.2	2380.9	9997.6	6.6	43.0	2347.6	5962.6	9.2	15.3 0	2313.4	3076.5	1.2	3.7 0	15
16	2383.7	10396	16.7	16.2	2380.3	9913.4	6.6	51.0	2344.9	5635.6	9.2	15.0 0	2312.2	2998.4	1.2	4.2 0	16
17	2383.7	10396	16.6	16.2	2379.7	9829.6	6.6	51.0	2342.3	5424.4	9.2	14.5 0	2311.0	2921.9	1.2	4.2 0	17
18	2383.6	10381	16.6	16.2	2379.0	9732.2	6.6	51.0	2340.9	5288.3	9.2	7.6 0	2309.7	2840.5	1.2	4.2 0	18
19	2383.6	10381	16.6	16.2	2378.4	9649.5	6.6	51.0	2340.1	5212.4	9.2	3.9 0	2308.3	2754.1	1.2	4.2 0	19
20	2383.6	10381	16.6	16.2	2377.7	9553.2	6.6	51.0	2339.2	5128.2	9.2	3.8 0	2307.0	2674.9	1.1	4.2 0	20
21	2383.6	10381	11.9	13.4	2377.0	9457.4	5.9	58.0	2338.4	5054.3	3.1	3.8 0	2305.7	2597.0	1.1	4.2 0	21
22	2383.6	10381	11.9	7.2	2376.1	9335.3	5.9	63.0	2337.6	4981.2	3.1	3.8 0	2304.4	2520.0	1.1	4.2 0	22
23	2383.6	10381	11.9	7.2	2375.3	9227.4	5.9	61.0	2336.9	4917.8	3.0	3.8 0	2303.0	2438.5	1.1	4.2 0	23
24	2383.7	10396	11.9	7.2	2374.4	9106.8	5.8	61.0	2336.1	4846.0	3.0	3.8 0	2301.7	2364.4	1.1	4.2 0	24
25	2383.7	10396	11.8	7.2	2373.4	8973.9	5.8	61.0	2335.2	4766.0	3.0	3.7 0	2300.4	2291.4	1.1	4.0 0	25
26	2383.8	10410	11.8	7.2	2372.6	8868.3	5.8	61.0	2334.4	4695.5	3.0	3.7 0	2298.8	2203.6	1.1	4.0 0	26
27	2383.8	10410	11.8	7.2	2371.6	8737.1	5.8	61.0	2333.6	4625.6	3.0	3.7 0	2297.3	2123.6	1.1	4.0 0	27
28	2383.9	10425	11.8	7.2	2370.8	8632.9	5.8	67.0	2332.7	4547.4	3.0	4.2 0	2295.7	2040.5	1.1	4.0 0	28
29	2383.9	10425	11.8	7.2	2369.9	8516.7	5.8	68.0	2331.7	4461.4	3.0	4.7 0	2294.1	1959.5	1.1	4.0 0	29
30	2383.8	10410	11.7	12.2	2368.8	8375.9	5.8	68.0	2330.6	4367.5	3.0	4.6 0	2292.4	1875.6	1.1	4.0 0	30
31					2367.8	8249.0	5.8	72.0	2329.7	4291.4	3.0	4.4 0					31
TOTAL			491.2	399.4			224.0	1250.7			204.3	215.8 0			38.1	122.8 0	
Inf. Ac. Ft.			974.3				444.3				405.2				75.6	36476.3	
Outf. Ac. Ft.			792.2+(110.3)				2480.7+(125.4)				4280.3 +(82.5)			2435.7 +(55.7)		34529.8+(568.9)	
Maximum Mean Daily Inflow			20.5				10.4				9.3				1.6	1482.3	
Minimum Mean Daily Inflow			11.7				5.8				3.0				1.1	0	
Storage Change			+719				-2161.7				-3957.6			-2415.8		+1328.1	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	2383.9	feet on	6/29/58	Storage	10425.1	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS ckd. Date
Min. W. S. Elev.	2219.6	feet on	10/28/57	Storage	78.4	Acre Feet	E.C. WINDER	Dam Tender	Gage Hts. copied JPR FES
Max. Peak Inf.	3710.	C.F.S. from	8:00 A.M. on	4/3/58	to 9:00 A.M. on	4/3/58	E.K. DE VORE	Hydrographer	Storage applied RAP JPR
Max. Peak Outf.	1230.	C.F.S. from	2:30 P.M. on	4/4/58	to 3:30 P.M. on	4/4/58		Hydrographer	Inf. & Outf. comp. FES RAP

REMARKS ( ) INDICATES EVAPORATION LOSSES
{ INDICATES AVERAGE FOR PERIOD

76D138N-68B Gb 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of COGSWELL Dam

In San Gabriel Canyon - West Fork for the Year Ending September 30, 1959

Drainage Area 39.2 Square Miles. Capacity of Reservoir 10641.8 Ac. Ft. at Spillway Elev. 2385 Ft. as of December 1957

Continuous Water Stage Recorder Stevens A-35

Gage Heights Read daily

Day	October Gage Height	October Acre Ft. Storage	October C.F.S. Inflow	October C.F.S. Outflow	November Gage Height	November Acre Ft. Storage	November C.F.S. Inflow	November C.F.S. Outflow	December Gage Height	December Acre Ft. Storage	December C.F.S. Inflow	December C.F.S. Outflow	January Gage Height	January Acre Ft. Storage	January C.F.S. Inflow	January C.F.S. Outflow	Day
1	2290.7	1793.7	0.7	3.9 0	2233.6	1622.1	2.7	5.2	2240.3	269.6	3.1	0.5	2249.0	419.5	3.9	0.7	1
2	2288.8	1704.5	0.8	4.4 0	2233.1	1770	2.7	5.2	2240.6	274.2	3.1	0.5	2249.3	425.4	3.9	0.7	2
3	2286.8	1613.6	0.8	4.4 0	2232.6	1723	2.7	5.0	2240.9	278.8	3.1	0.5	2249.7	433.2	4.0	0.7	3
4	2284.7	1521.3	0.8	4.3 0	2232.1	1677	2.8	5.0	2241.2	283.5	3.1	0.5	2250.0	439.0	4.0	0.7	4
5	2282.7	1436.6	0.8	4.3 0	2231.6	1634	2.8	4.8	2241.6	289.6	3.1	0.5	2251.0	459.1	10.8	0.7	5
6	2280.5	1347.0	0.8	4.2 0	2231.1	1592	2.8	4.8	2241.9	294.6	3.1	0.5	2262.6	740.3	142.5	0.7	6
7	2278.3	1261.0	0.8	4.2 0	2230.6	1552	2.8	4.8	2242.2	299.5	3.1	0.5	2263.7	771.4	16.1	0.4	7
8	2276.1	1178.3	0.8	4.2 0	2230.1	1512	2.8	4.8	2242.5	304.4	3.1	0.6	2264.4	791.7	10.6	0.3	8
9	2273.8	1095.4	0.8	4.2 0	2229.6	1474	2.9	4.8	2242.8	309.2	3.1	0.6	2265.0	809.3	9.2	0.2	9
10	2271.4	1012.5	0.8	4.0 0	2229.7	1481.0	3.2	2.8	2243.1	314.2	3.1	0.5	2265.5	824.3	7.8	0.2	10
11	2268.9	930.0	0.8	4.0 0	2230.6	1552	3.8	0.4	2243.4	319.2	3.1	0.5	2266.0	839.3	7.7	0.2	11
12	2266.4	851.6	0.8	3.9 0	2231.4	1618	3.8	0.4	2243.7	324.2	3.1	0.6	2266.4	851.6	6.0	0.3	12
13	2263.8	774.3	0.8	3.8 0	2232.1	1677	3.8	0.4	2244.0	329.2	3.1	0.6	2266.4	851.6	6.0	4.9	13
14	2261.0	696.4	0.8	3.8 0	2232.8	1742	3.7	0.4	2244.2	332.6	3.0	0.6	2266.7	860.8	6.1	3.3	14
15	2259.1	646.5	0.8	2.6 0	2233.5	1810	3.7	0.4	2244.5	337.8	3.0	0.6	2266.7	860.8	6.1	-4.4	15
16	2257.4	603.8	0.8	2.3 0	2234.0	1861	3.6	0.4	2244.7	341.2	3.0	0.6	2266.4	851.6	5.6	11.3	16
17	2255.8	565.1	0.8	2.3 0	2234.6	1928	3.6	0.5	2245.0	346.3	3.0	0.6	2266.1	842.4	5.6	9.7	17
18	2254.1	525.8	0.8	2.2 0	2235.2	1996	3.6	0.5	2245.2	349.8	3.0	0.6	2265.8	833.3	5.6	9.7	18
19	2252.2	484.2	0.8	2.2 0	2235.7	2057	3.6	0.5	2245.5	355.0	3.0	0.6	2265.5	824.3	5.6	9.7	19
20	2250.2	443.0	0.8	2.2 0	2236.1	2106	3.5	0.6	2245.7	358.6	3.0	0.6	2265.2	815.3	5.5	10.0	20
21	2248.2	404.2	0.8	2.1 0	2236.5	2158	3.3	0.8	2246.0	363.8	3.0	0.6	2264.9	806.4	5.3	10.0	21
22	2246.1	365.6	0.8	2.0 0	2236.9	2209	3.3	0.7	2246.2	367.4	3.0	0.6	2264.5	794.6	5.3	10.0	22
23	2244.0	329.2	0.8	1.9.8	2237.3	2263	3.3	0.7	2246.5	372.8	3.0	0.7	2264.2	785.9	5.3	10.0	23
24	2241.9	294.6	0.8	1.9.6	2237.7	2311.7	3.2	0.6	2246.8	378.3	3.0	0.6	2263.8	774.3	5.3	10.4	24
25	2239.7	260.5	0.8	1.9.3	2238.0	2358.8	3.2	0.5	2247.1	383.8	3.1	0.7	2263.5	765.7	5.2	10.4	25
26	2237.2	224.9	0.8	1.9.3	2238.4	2415	3.5	0.5	2247.4	389.3	3.3	0.7	2263.2	757.1	4.9	9.7	26
27	2236.0	209.3	0.8	1.1.1	2238.8	2472	3.5	0.5	2247.7	394.8	3.3	0.7	2262.8	745.8	4.9	9.4	27
28	2235.6	204.5	0.8	5.9	2239.2	2531.1	3.5	0.5	2247.9	398.6	3.3	0.7	2262.6	740.3	4.9	9.0	28
29	2235.1	198.4	0.8	5.7	2239.6	2590	3.5	0.5	2248.2	404.2	3.3	0.7	2262.2	729.2	4.8	9.0	29
30	2234.6	192.8	0.8	5.7	2240.0	2650	3.6	0.5	2248.4	408.0	3.3	0.7	2261.9	720.9	4.8	9.0	30
31	2234.1	187.2	0.8	5.4					2248.7	413.8	3.3	0.7	2261.6	712.7	4.8	9.0	31
TOTAL			24.7	867.0			98.8	57.5			96.2	18.5			328.1	174.7	
Inf. Ac. Ft.			490				1960				1908				650.8	1086.6	
Outf. Ac. Ft.			1719.7 +(17.7)				1140 +(4.2)				367 +(5.4)			3465+(5.4)		2216.9+(32.7)	
Maximum Mean Daily Inflow			0.8				3.8				3.3				142.5	142.5	
Minimum Mean Daily Inflow			0.7				2.7				3.0				3.9	0.7	
Storage Change			-1688.4				+77.8				+148.8			+2989		-1162.9	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	2292.4	feet on	10/1/58	Storage	1876.	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS ckd. Date
Min. W. S. Elev.	2229.3	feet on	11/10/59	Storage	135.	Acre Feet	E.C. WINDER	Dam Tender	Gage Hts. copied RAP TS
Max. Peak Inf.	1763.0	C.F.S. from	4:30 A.M. on	1/6/59	to 4:45 A.M. on	1/6/59	E.K. DE VORE	Hydrographer	Storage applied RAP TS
Max. Peak Outf.	126.0	C.F.S. from	4:30 P.M. on	2/16/59	to 4:30 P.M. on	2/18/59		Hydrographer	Inf. & Outf. comp. RAP TS

REMARKS ( ) INDICATES EVAPORATION LOSSES
{ INDICATES AVERAGE FOR PERIOD

76D138N-68B Gb 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of COGSWELL Dam

In ~~On~~ San Gabriel Canyon - West Fork for the Year Ending September 30, 19 59

Continuous Water Stage Recorder Stevens A-35

Drainage Area 39.2 Square Miles. Capacity of Reservoir 10445.6 Ac. Ft. at Spillway Elev. 2385 Ft. as of October, 19 58 Gage Heights Read daily

Day	February Gage Height	February Acre Ft. Storage	February C.F.S. Inflow	February C.F.S. Outflow	March Gage Height	March Acre Ft. Storage	March C.F.S. Inflow	March C.F.S. Outflow	April Gage Height	April Acre Ft. Storage	April C.F.S. Inflow	April C.F.S. Outflow	May Gage Height	May Acre Ft. Storage	May C.F.S. Inflow	May C.F.S. Outflow	Day
1	2261.3	* 668.0	5.2	9.0	2271.0	947.4	[14.0	43.0	2277.0	1152.2	[6.6	0.5	2284.4	1437.8	[4.7	5.1	1
2	2261.0	660.2	5.5	9.4	2269.0	884.6	14.0	43.0	2277.3	1163.1	6.6	0.5	2284.4	1437.8	4.7	5.2	2
3	2260.7	652.6	5.7	9.4	2267.0	824.8	13.7	42.0	2277.6	1174.0	6.6	0.5	2284.3	1433.7	4.6	5.2	3
4	2260.3	642.4	4.4	9.4	2266.3	804.6	13.6	26.0	2277.9	1185.0	6.6	0.5	2284.2	1429.6	4.6	5.3	4
5	2260.0	634.8	5.6	9.4	2266.5	810.4	13.6	12.7	2278.2	1196.0	6.6	0.5	2284.2	1429.6	4.6	5.2	5
6	2259.7	627.3	5.7	9.4	2266.7	816.1	[13.5	12.7	2278.6	1210.8	6.6	0.5	2284.2	1429.6	4.0	5.2	6
7	2259.5	622.4	7.0	9.4	2266.8	819.0	13.5	12.7	2278.9	1221.9	6.5	0.5	2284.1	1425.4	4.0	5.1	7
8	2259.7	627.3	12.5	10.0	2266.8	819.0	13.5	12.7	2279.2	1233.1	6.5	0.5	2284.0	1421.3	4.0	5.1	8
9	2259.6	624.8	8.6	9.7	2266.8	819.0	13.5	12.7	2279.4	1240.7	6.5	0.5	2284.0	1421.3	4.0	5.1	9
10	2259.6	624.8	10.0	10.0	2266.7	816.1	13.4	12.7	2279.7	1252.0	[6.5	0.5	2283.9	1417.2	[4.0	5.1	10
11	2269.6	903.2	207.3	67.0	2267.1	827.8	[13.0	6.1	2279.9	1259.5	[5.5	0.5	2283.8	1413.2	[3.8	5.1	11
12	2269.7	906.3	51.7	50.0	2267.8	848.4	12.5	0.5	2280.2	1271.0	5.5	0.5	2283.7	1409.1	3.7	5.1	12
13	2269.6	903.2	25.5	27.0	2268.5	869.4	10.3	0.5	2280.4	1278.7	5.5	0.5	2283.7	1409.1	3.7	5.1	13
14	2269.7	906.3	18.1	16.4	2269.1	887.7	9.5	0.5	2280.7	1290.2	5.5	0.6	2283.6	1405.1	3.7	5.1	14
15	2270.2	922.0	18.6	10.7	2269.7	906.3	[9.5	0.5	2280.9	1297.9	5.5	0.6	2283.5	1401.0	3.7	5.1	15
16	2286.2	1513.2	340.1	42.0	2270.2	922.0	[9.0	0.6	2281.1	1305.6	5.4	0.6	2283.4	1396.9	3.7	5.1	16
17	2286.4	1521.6	124.5	120.0	2270.8	941.0	9.0	0.6	2281.3	1313.5	5.4	0.6	2283.3	1392.9	3.7	5.1	17
18	2284.7	1450.2	61.0	97.0	2271.3	957.2	9.0	0.6	2281.6	1325.2	5.4	0.6	2283.2	1388.8	3.7	5.1	18
19	2284.3	1433.7	42.8	51.0	2271.7	970.2	9.0	0.6	2281.8	1333.1	5.4	0.6	2283.1	1384.8	3.7	5.1	19
20	2283.4	1396.9	31.6	50.0	2272.2	986.7	[9.0	0.6	2282.0	1340.9	[5.4	0.6	2283.0	1380.7	[3.7	5.1	20
21	2282.7	1368.8	35.8	50.0	2272.7	1003.3	[8.4	0.6	2282.2	1348.9	[4.6	0.6	2282.9	1376.7	[3.7	5.1	21
22	2281.7	1329.1	28.2	48.0	2273.1	1016.7	8.3	0.6	2282.4	1356.8	4.5	0.6	2282.8	1372.7	3.7	5.1	22
23	2280.5	1282.5	23.6	47.0	2273.6	1033.6	8.3	0.5	2282.5	1360.8	4.5	0.6	2282.8	1372.7	3.7	5.1	23
24	2279.2	1233.1	21.3	46.0	2274.0	1047.2	8.3	0.5	2282.7	1368.8	4.5	0.6	2282.7	1368.8	3.7	5.4	24
25	2277.7	1177.7	18.2	46.0	2274.4	1060.9	8.3	0.5	2283.1	1384.8	8.9	0.6	2282.6	1364.8	3.7	5.4	25
26	2276.2	1123.6	17.0	44.0	2274.8	1074.6	[7.2	0.5	2283.7	1409.1	12.9	0.6	2282.5	1360.8	3.7	5.4	26
27	2274.5	1064.4	14.3	44.0	2275.2	1088.5	7.2	0.5	2284.0	1421.3	6.1	0.6	2282.4	1356.8	3.7	5.4	27
28	2272.8	1006.6	15.1	44.0	2275.5	1099.0	7.2	0.5	2284.3	1433.7	6.1	0.6	2282.2	1348.9	3.7	5.4	28
29					2275.9	1113.0	7.2	0.5	2284.4	1437.8	6.0	0.6	2282.1	1344.9	3.8	5.4	29
30					2276.3	1127.2	7.2	0.5	2284.5	1442.0	6.0	4.1	2282.0	1340.9	3.8	5.3	30
31					2276.6	1137.9	7.2	0.5					2281.9	1337.0	3.8	5.3	31
TOTAL			1164.9	995.2			320.9	247.0			184.2	20.2			121.8	159.1	
Inf. Ac. Ft.			2310.5				636.5				365.4				-241.6	4640.6	
Outf. Ac. Ft.			1974.0	+ (58)			489.9	+ (15.3)			401.1	+ (21.2)			319.1 * (27.4)	6040.0 + (102.4)	
Maximum Mean Daily Inflow			340.1				14.0				12.9				4.7	340.1	
Minimum Mean Daily Inflow			4.4				7.2				4.5				3.7	0.7	
Storage Change		+ 330.8				+ 131.3				+ 304.1				- 105.0		- 638.6	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	2292.4	feet	on	10/1/58	Storage	1876.	Acre Feet			
Min. W. S. Elev.	2229.3	feet	on	11/10/58	Storage	135.	Acre Feet			
Max. Peak Inf.	1763.0	C.F.S. from	4:30 A.M.	on	1/6/59	to	4:45 A.M.	on	1/6/59	
Max. Peak Outf.	126.0	C.F.S. from	4:30 P.M.	on	2/16/59	to	4:30 P.M.	on	2/18/59	

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
E.C. WINDER	Dam Tender	Gage Hts. copied	RAP	TS
E.K. DE VORE	Hydrographer	Storage applied	RAP	TS
	Hydrographer	Inf. & Outf. comp.	RAP	TS

REMARKS * NOTE: 36.9 ACRE FEET OF STORAGE LOST DUE TO SILTATION SINCE LAST SURVEY

( ) INDICATES EVAPORATION LOSSES

[INDICATES AVERAGE FOR PERIOD

76D138N-68B Gb 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of COGSWELL Dam

In ~~On~~ San Gabriel Canyon - West Fork for the Year Ending September 30, 19 59

Continuous Water Stage Recorder Stevens A-35

Drainage Area 39.2 Square Miles. Capacity of Reservoir 10445.6 Ac. Ft. at Spillway Elev. 2385 Ft. as of October, 19 58 Gage Heights Read daily

Day	June Gage Height	June Acre Ft. Storage	June C.F.S. Inflow	June C.F.S. Outflow	July Gage Height	July Acre Ft. Storage	July C.F.S. Inflow	July C.F.S. Outflow	August Gage Height	August Acre Ft. Storage	August C.F.S. Inflow	August C.F.S. Outflow	September Gage Height	September Acre Ft. Storage	September C.F.S. Inflow	September C.F.S. Outflow	Day
1	2281.7	1329.1	[2.6	5.1	2276.3	1127.2	[1.4	3.7	2267.7	845.4	[0.7	4.9	2257.1	564.3	[0.5	4.4	1
2	2281.6	1325.2	2.6	5.1	2276.1	1120.1	1.4	5.3	2267.4	836.6	0.7	4.7	2256.7	554.9	0.5	4.4	2
3	2281.4	1317.4	2.6	5.1	2275.8	1109.5	1.4	6.0	2267.1	827.8	0.7	4.7	2256.3	545.7	0.5	4.4	3
4	2281.3	1313.5	2.6	5.1	2275.5	1099.0	1.4	6.0	2266.8	819.0	0.7	4.7	2255.9	536.4	0.5	4.4	4
5	2281.1	1305.6	2.6	5.1	2275.2	1088.5	1.4	6.0	2266.4	807.5	0.7	4.7	2255.6	529.7	0.5	4.4	5
6	2281.0	1301.7	2.6	5.1	2274.9	1078.1	1.4	6.0	2266.1	798.8	0.7	4.7	2255.1	518.4	0.5	4.4	6
7	2280.8	1294.0	2.6	5.1	2274.6	1067.6	1.4	5.7	2265.8	790.3	0.7	4.7	2254.8	511.7	0.5	4.4	7
8	2280.6	1286.3	2.6	5.1	2274.4	1060.9	1.4	5.1	2265.5	781.8	0.7	4.7	2254.4	503.0	0.5	4.4	8
9	2280.5	1282.5	2.5	5.1	2274.1	1050.6	1.3	5.1	2265.2	773.3	0.7	4.9	2254.0	494.2	0.5	4.4	9
10	2280.3	1274.8	2.5	5.1	2273.9	1043.8	1.3	5.1	2264.8	762.2	0.7	4.9	2253.6	485.7	0.5	4.4	10
11	2280.1	1267.1	[2.0	5.1	2273.6	1033.6	1.3	5.1	2264.4	751.1	[0.6	5.1	2253.2	477.2	0.5	4.4	11
12	2279.9	1259.5	2.0	5.1	2273.3	1023.5	1.3	5.1	2264.1	742.8	0.6	5.1	2252.8	468.9	0.5	4.4	12
13	2279.7	1252.0	1.9	5.1	2273.0	1013.3	1.3	5.1	2263.7	731.8	0.6	5.1	2252.4	460.8	0.5	4.2	13
14	2279.5	1244.4	1.9	5.1	2272.8	1006.6	1.3	5.1	2263.4	723.7	0.6	5.1	2252.1	454.6	0.5	4.2	14
15	2279.3	1236.9	1.9	4.9	2272.5	996.6	1.3	5.1	2263.1	715.5	0.6	5.1	2251.7	446.6	0.5	4.2	15
16	2279.1	1229.4	1.9	4.9	2272.2	986.7	[1.0	5.1	2262.8	707.5	0.6	4.9	2251.3	438.7	0.5	4.2	16
17	2278.9	1221.9	1.9	4.9	2272.0	980.0	1.0	5.1	2262.4	696.8	0.6	4.9	2250.9	430.8	0.5	4.2	17
18	2278.7	1214.5	1.9	4.9	2271.7	970.2	1.0	5.1	2262.1	688.9	0.6	4.9	2250.5	423.0	0.5	4.2	18
19	2278.5	1207.1	1.9	4.7	2271.4	960.4	1.0	5.1	2261.7	678.4	0.6	4.9	2250.1	415.2	0.5	4.2	19
20	2278.3	1199.7	1.9	4.7	2271.1	950.7	1.0	4.9	2261.4	670.6	0.6	4.9	2249.7	407.7	0.5	4.2	20
21	2278.1	1192.3	[1.9	4.7	2270.9	944.2	1.0	4.9	2261.1	662.8	0.6	4.9	2249.4	402.0	0.5	4.0	21
22	2277.9	1185.0	2.0	4.7	2270.6	934.7	1.0	4.9	2260.7	652.6	0.6	4.9	2249.0	394.5	0.5	4.0	22
23	2277.7	1177.7	2.0	4.7	2270.4	928.3	1.0	4.9	2260.4	645.0	0.6	4.7	2248.6	387.1	[0.5	4.4	23
24	2277.5	1170.4	2.0	4.7	2270.1	918.8	1.0	4.9	2260.0	634.8	0.6	4.7	2248.1	377.9	0.4	4.8	24
25	2277.3	1163.1	2.0	4.7	2269.8	909.4	1.0	4.9	2259.6	624.8	0.6	4.7	2247.4	365.3	* 0.4	5.6	25
26	2277.1	1155.8	2.0	4.4	2269.5	900.1	1.0	4.9	2259.3	617.4	0.6	4.7	2246.9	356.3	0.4	5.6	26
27	2277.0	1152.2	2.0	4.4	2269.2	890.8	1.0	4.9	2259.0	609.9	0.6	4.7	2246.3	345.8	0.4	5.6	27
28	2276.8	1145.1	2.0	4.2	2268.9	881.6	1.0	4.9	2258.6	600.2	0.6	4.7	2245.7	335.3	0.4	5.3	28
29	2276.7	1141.5	2.0	4.0	2268.6	872.5	0.9	4.9	2258.2	590.5	0.6	4.7	2245.1	324.9	0.4	5.3	29
30	2276.5	1134.4	2.0	3.8	2268.3	863.4	0.9	4.9	2257.8	580.9	0.6	4.7	2244.5	314.8	0.4	5.3	30
31					2268.0	854.3	0.9	4.9	2257.4	571.4	0.6	4.6					31
TOTAL			64.9	144.7			36.0	158.7			19.6	149.6			14.3	136.3	
Inf. Ac. Ft.			128.7				71.4				38.9				28.4	4904.4	
Outf. Ac. Ft.			2870 # (44.2)				314.8	+ (36.7)			296.7	+ (25.0)			270.3 + (14.7)	6205.3 + (223.0)	
Maximum Mean Daily Inflow			2.6				1.4				0.7				0.5	340.1	
Minimum Mean Daily Inflow			1.9				0.9				0.6				0.4	0.4	
Storage Change		- 202.6				- 280.1				- 282.9				- 256.6		-1560.8	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	2292.4	feet	on	10/1/58	Storage	1876.	Acre Feet			
Min. W. S. Elev.	2229.3	feet	on	11/10/59	Storage	135.	Acre Feet			
Max. Peak Inf.	1763.0	C.F.S. from	4:30 A.M.	on	1/6/59	to	4:45 A.M.	on	1/6/59	
Max. Peak Outf.	126.0	C.F.S. from	4:30 P.M.	on	2/16/59	to	4:30 P.M.	on	2/18/59	

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
E.C. WINDER	Dam Tender	Gage Hts. copied	RAP	TS
E.K. DE VORE	Hydrographer	Storage applied	RAP	TS
	Hydrographer	Inf. & Outf. comp.	RAP	TS

REMARKS ( ) INDICATES EVAPORATION LOSSES

[INDICATES AVERAGE FOR PERIOD

76D138N-68B Gb 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAN GABRIEL Dam

In San Gabriel Canyon for the Year Ending September 30, 1958

Continuous Water Stage Recorder Au

Drainage Area 202.7 Square Miles. Capacity of Reservoir 44013. Ac. Ft. at Spillway Elev. 1453.0 Ft. as of May 1954 Gage Heights Read daily

Day	October Gage Height	October Acre Ft. Storage	October C.F.S. Inflow	October C.F.S. Outflow	November Gage Height	November Acre Ft. Storage	November C.F.S. Inflow	November C.F.S. Outflow	December Gage Height	December Acre Ft. Storage	December C.F.S. Inflow	December C.F.S. Outflow	January Gage Height	January Acre Ft. Storage	January C.F.S. Inflow	January C.F.S. Outflow	Day
1	1312.25	1846	21.2	40.4	1292.11	610	29.1	6.3	1292.95	646	23.4	30.3	1331.64	4043	98.3	78.3	1
2	1311.75	1803	22.4	43.3	1292.94	646	33.5	15.3	1292.59	631	23.1	30.3	1332.04	4071	92.8	78.3	2
3	1311.24	1760	24.1	45.0	1292.93	735	60.7	15.6	1292.24	615	22.5	30.3	1332.19	4092	89.8	78.3	3
4	1310.71	1715	23.2	45.1	1296.22	795	45.5	15.1	1292.01	606	25.8	30.3	1332.30	4108	87.2	78.3	4
5	1310.17	1671	23.7	45.1	1296.92	829	39.2	21.8	1294.00	693	74.1	30.3	1332.31	4109	80.0	78.3	5
6	1309.63	1627	23.7	45.1	1297.17	841	37.3	31.0	1294.87	732	50.0	30.1	1332.32	4110	79.4	78.3	6
7	1309.09	1584	24.2	45.1	1297.28	846	33.0	30.3	1295.34	754	41.2	29.9	1332.25	4102	77.1	80.4	7
8	1308.51	1538	22.8	45.1	1297.34	849	31.6	29.9	1295.60	766	36.1	29.9	1332.16	4088	76.2	82.6	8
9	1307.91	1492	22.8	45.1	1297.36	850	30.6	29.9	1295.77	774	34.4	30.0	1332.08	4076	77.0	82.6	9
10	1307.30	1447	22.4	44.9	1297.33	849	29.7	29.9	1295.91	780	33.4	30.1	1331.97	4061	75.3	82.6	10
11	1307.97	1497	70.1	44.9	1297.29	847	29.1	29.9	1296.00	785	32.9	30.1	1331.81	4039	72.1	82.6	11
12	1307.91	1492	43.0	45.3	1297.23	844	28.6	29.9	1296.06	787	31.3	30.1	1331.64	4015	71.1	82.6	12
13	1307.67	1474	36.7	45.8	1297.15	840	28.1	29.9	1296.10	789	31.3	30.1	1331.46	3990	70.4	82.6	13
14	1307.64	1472	44.0	44.8	1297.08	837	28.5	29.9	1296.12	790	31.1	30.1	1331.39	3980	66.6	70.9	14
15	1307.11	1433	34.3	53.7	1297.00	833	28.1	29.9	1318.20	2402	842.0	29.7	1331.42	3984	67.7	65.1	15
16	1306.51	1390	33.2	54.5	1296.91	828	27.5	29.9	1337.80	4936	1287.2	9.7	1331.59	3980	63.6	65.1	16
17	1305.83	1342	30.8	54.6	1296.78	822	27.3	29.9	1348.42	6865	973.1	9.1	1331.37	3977	64.5	65.1	17
18	1305.11	1293	30.2	54.8	1296.66	816	27.2	29.9	1352.57	7731	438.1	10.1	1331.32	3972	63.4	65.1	18
19	1304.34	1243	29.5	54.6	1296.53	810	27.1	29.9	1355.04	8269	269.1	17.9	1331.23	3958	58.9	65.1	19
20	1303.68	1201	33.4	54.4	1296.36	802	26.1	29.9	1356.82	8666	240.7	39.6	1331.17	3950	62.0	65.5	20
21	1303.17	1170	39.2	54.4	1296.08	788	23.4	29.9	1357.93	8915	198.6	72.2	1331.04	3939	60.3	65.4	21
22	1302.82	1113	33.2	61.5	1295.73	772	22.0	29.9	1358.80	9113	177.1	76.2	1331.01	3927	60.3	65.4	22
23	1301.08	1047	32.2	65.1	1295.43	758	23.2	29.9	1359.43	9270	158.3	77.9	1330.88	3910	57.4	65.4	23
24	1299.89	981	31.9	64.8	1295.15	745	23.6	29.9	1360.05	9399	145.2	79.0	1330.80	3899	59.9	65.4	24
25	1298.53	909	29.1	65.1	1294.86	732	23.4	29.7	1360.48	9498	130.0	78.2	1330.95	3919	75.4	65.4	25
26	1297.13	839	30.4	65.5	1294.57	719	23.4	29.8	1357.70	8864	194.6	513.2	1335.48	4365	400.4	74.7	26
27	1295.63	767	29.3	65.3	1294.26	704	22.9	30.2	1352.48	9498	160.9	741.4	1336.84	4704	193.2	82.4	27
28	1294.10	697	30.3	65.5	1293.94	690	23.5	30.3	1346.00	6385	146.7	814.5	1337.74	4927	155.1	82.6	28
29	1292.35	620	27.0	65.5	1293.59	674	22.7	30.3	1337.75	4928	139.4	873.2	1338.36	5026	133.0	82.6	29
30	1290.45	541	26.0	65.8	1293.26	660	23.5	30.3	1331.00	3926	130.1	634.7	1338.94	5120	130.6	82.9	30
31	1291.04	565	34.0	21.8					1331.57	4005	118.8	78.3	1339.43	5202	124.9	82.6	31
TOTAL			958.3	1611.9			879.4	824.3			6260.5	4558.7			2944.1	2322.7	
Inf. Ac. Ft.			19008				17443				124175				58395	21902.1	
Outf. Ac. Ft.			31972 + (24.6)				16350 + (14.3)				90420 + (30.6)				46070 + (35.5)	18481.2 + (105.0)	
Maximum Mean Daily Inflow			70.1				60.7				1287.2				400.4	1287.2	
Minimum Mean Daily Inflow			21.2				22.0				22.5				57.4	21.2	
Storage Change		-1321.				+95.0				+3345.				+1197.		+3316.	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1449.6	feet	on	4/24/58	Storage	42,791.	Acre Feet				
Min. W. S. Elev.	DRY	feet	on	VAR. DAYS	Storage	0	Acre Feet				
Max. Peak Inf.	6900.	C.F.S. from	9:00 A.M.	on	4/3/58	to	10:00 A.M.	on	4/3/58		
Max. Peak Outf.	2585.	C.F.S. from	10:30 A.M.	on	4/5/58	to	8:00 A.M.	on	4/6/58		
REMARKS	( ) INDICATES EVAPORATION LOSSES										

RECORDS COLLECTED BY		COMPUTATIONS	okd.	Date
O.R. WATKINS	Dam Tender	Gage Hts. copied	RAP FES	
E.K. DE VORE	Hydrographer	Storage applied	RAP FES	
	Hydrographer	Inf. & Outf. comp.	FES RAP	

76D138N-68B Gb 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAN GABRIEL Dam

In San Gabriel Canyon for the Year Ending September 30, 1958

Continuous Water Stage Recorder Au

Drainage Area 202.7 Square Miles. Capacity of Reservoir 44013. Ac. Ft. at Spillway Elev. 1453.0 Ft. as of May 1954 Gage Heights Read daily

Day	February Gage Height	February Acre Ft. Storage	February C.F.S. Inflow	February C.F.S. Outflow	March Gage Height	March Acre Ft. Storage	March C.F.S. Inflow	March C.F.S. Outflow	April Gage Height	April Acre Ft. Storage	April C.F.S. Inflow	April C.F.S. Outflow	May Gage Height	May Acre Ft. Storage	May C.F.S. Inflow	May C.F.S. Outflow	Day
1	1339.86	5274	120.0	82.8	1324.31	3073	376.2	440.3	1393.08	18513	2138.0	68.4	1447.64	40995	609.9	704.9	1
2	1340.30	5348	120.1	82.8	1323.61	2991	361.6	402.4	1402.25	21648	1746.9	166.3	1447.39	40855	607.8	671.1	2
3	1346.60	6503	665.8	82.9	1323.23	2947	350.5	372.0	1423.96	30113	4270.0	2.3	1447.16	40745	597.7	654.0	3
4	1357.70	8864	2710.8	1520.4	1322.00	2808	336.7	406.0	1436.34	35643	3209.1	419.7	1446.67	40595	580.7	650.7	4
5	1369.80	11754	1746.1	289.1	1320.13	2603	303.4	406.1	1437.90	36375	2718.3	2347.7	1446.46	40343	562.8	664.5	5
6	1374.42	12953	805.6	200.5	1318.87	2471	309.8	376.1	1435.73	35359	1804.1	2315.1	1445.90	40095	539.5	680.7	6
7	1376.80	13599	671.2	345.5	1318.00	2382	2865	331.4	1435.67	35331	1834.1	1848.0	1445.29	39783	527.7	680.7	7
8	1372.44	12431	633.8	1222.7	1317.87	2369	2733	279.5	1434.66	34864	1562.7	1726.5	1444.67	39468	525.0	680.7	8
9	1368.49	11424	570.0	1077.0	1317.47	2329	2525	272.0	1433.93	34528	1333.7	1500.7	1443.91	39083	501.8	692.4	9
10	1365.57	10704	524.7	887.0	1315.95	2182	2463	320.3	1433.76	34450	1330.3	1366.5	1443.08	38664	493.1	700.3	10
11	1361.86	9819	436.0	881.3	1314.42	2040	2790	350.3	1433.45	34308	1297.9	1366.5	1442.20	38224	490.1	700.7	11
12	1357.35	8785	365.7	887.0	1313.12	1923	2603	319.1	1433.22	34202	1260.5	1310.3	1441.24	37748	465.2	700.7	12
13	1352.26	7664	334.2	898.6	1312.75	1890	2512	267.6	1432.90	34036	1208.3	1276.5	1440.20	37235	440.6	694.3	13
14	1346.64	6510	289.0	870.3	1312.16	1840	2453	270.3	1434.51	34823	1048.1	627.6	1439.07	36694	419.6	690.7	14
15	1340.56	5393	266.0	828.6	1322.20	2830	6120	112.8	1437.16	36036	898.0	282.0	1437.89	36115	408.1	690.7	15
16	1333.02	4210	242.7	838.2	1347.75	6730	21416	175.3	1439.62	37192	867.8	282.0	1436.70	35547	407.8	690.7	16
17	1322.13	2823	244.0	942.8	1350.78	7350	10198	707.3	1442.02	38353	869.8	282.0	1435.49	34975	403.6	687.4	17
18	1310.10	1665	243.2	827.0	1350.74	7342	8258	829.0	1442.74	38706	882.6	701.7	1434.26	34399	399.2	685.7	18
19	1325.92	3266	921.7	114.6	1349.16	7015	7314	895.3	1443.13	38894	926.0	825.8	1432.98	33806	390.5	685.7	19
20	1331.75	4030	535.9	150.3	1352.32	7677	8674	533.6	1443.67	39168	898.1	753.9	1431.54	33145	369.3	690.7	20
21	1337.04	4815	396.4	0.3	1360.65	9538	11988	260.5	1444.67	39670	847.1	589.3	1430.00	32445	358.7	705.7	21
22	1335.25	4539	367.2	506.1	1366.70	10980	10699	341.8	1445.68	40297	831.6	260.2	1428.44	31748	357.7	705.7	22
23	1329.67	3746	363.0	761.7	1367.58	11198	7313	620.3	1448.55	41663	703.7	262.5	1426.86	31049	357.4	705.7	23
24	1327.13	3417	363.4	529.0	1368.32	11382	6633	569.5	1449.57	42196	788.9	516.4	1425.25	30345	356.3	705.7	24
25	1330.64	3877	572.7	340.2	1369.06	11567	6246	530.4	1449.46	42138	690.7	715.7	1423.54	29630	348.4	704.3	25
26	1327.83	3506	494.8	680.9	1369.67	11721	5859	507.9	1449.31	42059	679.8	715.7	1421.88	28904	330.3	690.7	26
27	1325.88	3261	459.0	981.5	1371.07	12077	6798	500.4	1449.19	41997	687.8	715.7	1420.12	28166	324.6	690.7	27
28	1325.39	3202	428.4	457.3	1371.75	12252	5897	500.4	1448.58	41663	676.3	841.6	1418.11	27336	347.9	760.0	28
29					1374.61	13004	5179	137.4	1448.31	41538	653.4	714.0	1415.73	26371	334.6	816.5	29
30					1377.18	13704	4907	137.1	1448.01	41382	634.4	710.7	1413.14	25344	316.7	850.7	30
31					1379.69	14408	4901	135.2					1410.58	24353	334.7	830.7	31
TOTAL			15890.8	16886.4			17972.7	12307.7			39297.9	25611.3			13495.2	21852.0	
Inf. Ac. Ft.			31518.9				35648.3				77946.2				26767.6	193,983.0	
Outf. Ac. Ft.			33493.7	+ (25.2)			24412.0	+ (30.3)			50799.3	+ (173.0)			43342.8 + (258.6)	170,529.0 + (592.1)	
Maximum Mean Daily Inflow			2710.8				2146				4270.0				609.9	4270.0	
Minimum Mean Daily Inflow			120.0				245.3				634.4				316.7	21.2	
Storage Change		-2000.				+11206.				+26974.				-16834.		22,467.0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown.

Max. W. S. Elev.	1449.6	feet	on	4/24/58	Storage	42,791.	Acre Feet				
Min. W. S. Elev.	DRY	feet	on	VAR. DAYS	Storage	0	Acre Feet				
Max. Peak Inf.	6900.	C.F.S. from	9:00 A.M.	on	4/3/58	to	10:00 A.M.	on	4/3/58		
Max. Peak Outf.	2585.	C.F.S. from	10:30 A.M.	on	4/5/58	to	8:00 A.M.	on	4/6/58		
REMARKS	195 A.F. LOSS DUE TO CHANGE OF STORAGE TABLE MID. 4/30/58										
	( ) INDICATES EVAPORATION LOSSES										

RECORDS COLLECTED BY		COMPUTATIONS	okd.	Date
O.R. WATKINS	Dam Tender	Gage Hts. copied	RAP FES	
E.K. DE VORE	Hydrographer	Storage applied	RAP FES	
	Hydrographer	Inf. & Outf. comp.	FES RAP	

76D138N-68B Gb 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAN GABRIEL Dam

In San Gabriel Canyon for the Year Ending September 30, 19 58

Drainage Area 202.7 Square Miles. Capacity of Reservoir 114614. 114013. Ac. Ft. at Spillway Elev. 1453.0 Ft. as of August May 1958 1954

Continuous Water Stage Recorder AU

Gage Heights Read daily

Day	June Gage Height	June Acre Ft. Storage	June C.F.S. Inflow	June C.F.S. Outflow	July Gage Height	July Acre Ft. Storage	July C.F.S. Inflow	July C.F.S. Outflow	August Gage Height	August Acre Ft. Storage	August C.F.S. Inflow	August C.F.S. Outflow	September Gage Height	September Acre Ft. Storage	September C.F.S. Inflow	September C.F.S. Outflow	Day
1	1407.88	23332	302.2	814.0		11.5	153.0	153.2		30	152	152.2	1309.04	1795	97.7	88.3	1
2	1405.17	22333	311.0	810.7			148.0	148.2		26	147	147.2	1309.23	1811	97.1	88.3	2
3	1402.29	21296	304.8	824.0			146.0	146.2		22	147	147.2	1309.45	1830	98.9	88.3	3
4	1399.22	20218	287.6	827.3			146.0	146.2		18	149	149.2	1309.64	1846	97.5	88.3	4
5	1396.05	19135	280.2	822.3			145.0	145.2		14	147	147.2	1309.81	1860	96.4	88.4	5
6	1392.85	18071	288.0	820.6			144.0	144.2		10	146	146.2	1309.93	1870	94.8	88.5	6
7	1389.52	16998	273.1	809.8			139.0	139.2		06	154	154.2	1310.11	1885	96.9	88.6	7
8	1386.17	15947	278.9	805.6			135.0	135.2		02	169	169.2	1310.28	1900	96.0	87.3	8
9	1382.71	14895	273.1	800.6			135.0	135.2		0	164	164.1	1310.45	1915	94.9	86.0	9
10	1379.17	13854	268.7	790.6			131.0	131.2		0	159	159	1310.59	1927	93.8	86.4	10
11	1375.57	12832	269.5	782.3			131.0	131.2		0	159	159	1310.73	1939	94.2	86.8	11
12	1371.82	11806	262.9	777.3			130.0	130.2		0	167	167	1310.86	1952	94.8	87.1	12
13	1367.55	10697	248.6	804.6			130.0	130.1		0	139	139	1311.07	1968	96.3	87.1	13
14	1362.92	9545	243.2	820.6			145.0	145.1	1269.41	51.4	65	59	1311.22	1982	95.5	87.1	14
15	1358.17	8412	248.8	817.2			151.0	151.1		446	199.7	0.3	1311.25	1984	89.3	86.9	15
16	1353.26	7303	255.3	812.2			155.0	155.1	1294.47	828	193.4	0.3	1311.30	1989	90.8	86.8	16
17	1347.79	6155	251.6	828.2			154.0	154.1	1301.04	1216	197.4	1.3	1311.34	1992	89.7	86.8	17
18	1341.68	4997	239.7	821.4			153.0	153.1	1304.09	1419	158.3	55.5	1311.38	1996	90.1	86.8	18
19	1334.22	3815	237.0	830.9			149.0	149.1	1304.71	1463	109.3	86.5	1311.40	1998	89.1	86.8	19
20	1325.03	2615	233.9	837.3			146.0	146.1	1305.22	1499	106.4	87.7	1311.39	1997	87.9	86.8	20
21	1312.47	1476	262.4	835.5			152.0	152.1	1305.68	1533	105.7	87.8	1311.38	1996	87.1	86.8	21
22	1302.20	849	207.5	522.8			160.0	160.1	1306.11	1564	104.1	87.8	1311.38	1996	87.6	86.8	22
23		399	161.0	367.6			161.0	161.1	1306.48	1592	102.9	88.0	1311.56	2012	95.4	87.1	23
24		175	164.0	276.7			157.0	157.1	1306.82	1618	101.8	88.0	1311.79	2032	98.6	87.5	24
25	1289.66	343	164.0	234.9			156.0	156.1	1307.12	1641	100.6	88.2	1311.84	2037	92.7	88.9	25
26	1288.35	281	162.0	165.0			156.0	156.1	1307.37	1661	99.1	88.2	1311.82	2035	90.2	89.9	26
27	1287.24	236	161.0	163.2			156.0	156.1	1307.63	1681	99.1	88.2	1311.76	2030	88.5	89.8	27
28	1285.88	191	155.0	157.1			154.0	154.1	1307.90	1702	99.5	88.1	1311.71	2025	91.7	93.4	28
29	1284.15	150	152.0	154.1			153.0	153.1	1308.27	1732	103.8	87.9	1311.66	2021	89.0	89.6	29
30	1282.12	119	160.0	161.6			149.0	149.1	1308.58	1758	102.8	88.2	1311.63	2018	88.8	89.4	30
31						2.4	150.0	150.1	1308.83	1778	99.5	88.3					31
TOTAL			7107.0	9316.0			4570.0	4574.3			4166.9	3260.0			2791.3	2636.6	
Inf. Ac. Ft.			140965				90645				82649				55365	230,745.4	
Outf. Ac. Ft.			33312.7	+(125.0)			90730				5466.1	+(24.2)			5229.6	+ (66.8) 229,610.4+(808.1)	
Maximum Mean Daily Inflow			311.0				161.0				199.7				98.9	4278.0	
Minimum Mean Daily Inflow			152.0				130.0				85.0				87.1	21.2	
Storage Change		- 34341.1				EST. 8.5 LOSS IN RISER & TUNNEL				+ 1774.6				+ 240.		+ 132.0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1449.6	feet on	4/24/58	Storage	42,791.	Acre Feet	
Min. W. S. Elev.	DRY	feet on	VAR. DAYS	Storage	0	Acre Feet	
Max. Peak Inf.	6900.	C.F.S. from	9:00 A.M.	on	4/3/58	to 10:00 A.M. on	4/3/58
Max. Peak Outf.	2585.	C.F.S. from	10:30 A.M.	on	4/5/58	to 8:00 A.M. on	4/6/58

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
O.R. WATKINS	Dam Tender	Gage Hts. copied	RAP FES	
E.K. DE VORE	Hydrographer	Storage applied	RAP FES	
	Hydrographer	Inf. & Outf. comp.	FES RAP	

REMARKS ( ) INDICATES EVAPORATION LOSSES

NOTE: ON JUNE 23 AND 24, STORAGE IS TOTAL OF RESERVOIR AND SUMP. REMAINING STORAGE FIGURES FOR JUNE ARE FOR SUMP ONLY. STORAGES SHOWN FROM JULY 1 THROUGH AUGUST 8, ARE IN TUNNEL AND RISER. AUGUST 14 FIGURE IS SUMP STORAGE; AUGUST 15 STORAGE IS TOTAL OF RESERVOIR AND SUMP.

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DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAN GABRIEL Dam

In San Gabriel Canyon for the Year Ending September 30, 19 59

Drainage Area 202.7 Square Miles. Capacity of Reservoir 114614. Ac. Ft. at Spillway Elev. 1453.0 Ft. as of August 1958

Continuous Water Stage Recorder AU

Gage Heights Read daily

Day	October Gage Height	October Acre Ft. Storage	October C.F.S. Inflow	October C.F.S. Outflow	November Gage Height	November Acre Ft. Storage	November C.F.S. Inflow	November C.F.S. Outflow	December Gage Height	December Acre Ft. Storage	December C.F.S. Inflow	December C.F.S. Outflow	January Gage Height	January Acre Ft. Storage	January C.F.S. Inflow	January C.F.S. Outflow	Day
1	1311.54	2010	86.2	89.2	1296.83	959	46.4	41.4	1296.82	958	40.2	39.8	1295.82	902	36.5	34.8	1
2	1311.46	2003	87.1	89.2	1296.96	966	45.3	41.2	1296.78	956	39.2	39.9	1295.89	905	36.5	34.8	2
3	1311.40	1998	88.6	89.8	1297.71	1010	45.4	22.7	1296.75	954	39.0	39.6	1295.96	909	37.1	34.8	3
4	1311.33	1991	87.7	90.1	1298.72	1071	44.4	13.2	1296.72	953	39.2	39.4	1296.03	913	37.1	34.8	4
5	1311.28	1987	88.5	89.8	1299.60	1125	44.3	16.7	1296.70	951	38.7	39.4	1296.20	923	39.8	34.6	5
6	1311.26	1985	89.5	89.8	1300.25	1165	41.7	21.0	1296.66	949	38.7	39.4	1306.52	1596	361.6	22.2	6
7	1311.26	1985	90.6	89.9	1300.92	1208	43.2	21.0	1296.63	947	38.7	39.4	1307.45	1667	78.1	42.1	7
8	1311.22	1982	89.0	89.9	1301.58	1251	43.2	21.1	1296.56	943	38.5	40.4	1307.25	1652	60.2	67.6	8
9	1311.16	1976	87.6	89.9	1302.21	1292	41.9	21.2	1296.44	937	38.2	40.9	1307.10	1640	54.3	60.0	9
10	1311.04	1966	85.5	89.9	1302.92	1339	45.1	21.2	1296.32	930	37.8	41.0	1306.86	1621	50.6	60.0	10
11	1310.91	1954	84.5	89.8	1303.65	1389	46.5	21.2	1296.20	923	37.9	41.1	1306.59	1601	49.7	59.6	11
12	1310.73	1939	83.3	89.8	1304.33	1436	45.3	21.3	1296.06	915	38.0	41.7	1306.28	1577	48.1	60.0	12
13	1310.52	1921	81.6	89.8	1304.96	1480	43.9	21.4	1295.89	905	37.4	42.0	1305.97	1554	49.1	60.5	13
14	1310.31	1903	81.5	89.6	1304.68	1461	45.2	54.4	1295.71	895	37.4	42.0	1305.53	1522	52.6	68.3	14
15	1309.91	1868	73.1	89.6	1303.94	1409	45.2	70.8	1295.53	885	37.5	42.0	1305.15	1494	46.5	60.2	15
16	1309.30	1817	64.9	89.5	1303.17	1356	44.7	70.8	1295.35	875	37.4	42.0	1305.00	1483	55.4	60.6	16
17	1308.60	1759	62.4	90.4	1302.43	1306	46.1	70.8	1295.17	866	37.8	42.0	1304.78	1468	53.7	60.8	17
18	1307.88	1701	62.6	90.8	1301.65	1255	45.6	70.7	1295.11	862	37.1	38.7	1304.54	1451	52.5	60.8	18
19	1307.17	1645	63.0	90.6	1300.86	1204	45.4	70.6	1295.12	863	37.4	36.5	1304.30	1434	52.4	60.8	19
20	1306.40	1586	64.0	93.1	1300.01	1150	44.3	71.0	1295.12	863	36.9	36.5	1304.05	1416	52.1	60.8	20
21	1305.60	1527	61.6	90.6	1299.35	1109	44.3	64.5	1295.10	862	36.2	36.5	1303.79	1399	52.7	60.8	21
22	1304.78	1468	61.2	90.5	1298.78	1075	44.4	61.1	1295.15	864	36.9	35.7	1303.53	1381	51.8	60.5	22
23	1303.99	1412	62.7	90.7	1298.21	1040	43.4	60.6	1295.23	869	37.8	35.1	1303.23	1360	50.2	60.3	23
24	1303.26	1362	65.5	90.5	1297.60	1004	43.1	61.0	1295.31	873	37.5	35.3	1302.91	1338	49.6	60.3	24
25	1302.66	1322	70.8	90.5	1296.97	967	42.8	61.1	1295.40	878	38.3	35.5	1302.60	1318	50.3	60.3	25
26	1301.97	1276	67.4	90.3	1296.77	955	42.1	47.9	1295.49	883	38.2	35.5	1302.27	1296	49.6	60.3	26
27	1301.16	1223	63.4	89.8	1296.80	957	42.5	41.3	1295.57	888	38.1	35.5	1302.57	1316	49.8	39.5	27
28	1299.93	1145	51.6	90.3	1296.79	957	41.7	41.1	1295.65	892	37.7	35.5	1302.50	1311	48.0	50.2	28
29	1298.56	1061	49.0	90.7	1296.81	958	42.3	41.3	1295.69	894	36.9	35.5	1302.42	1306	47.6	49.7	29
30	1297.12	976	48.6	90.8	1296.82	958	41.6	41.3	1295.73	897	37.2	35.5	1302.35	1301	47.6	49.7	30
31	1296.67	950	46.6	59.1					1295.77	899	36.5	35.0	1302.27	1296	47.6	49.7	31
TOTAL			2249.6	2764.3			1321.3	1304.9			1174.3	1194.3			1848.7	1639.6	
Inf. Ac. Ft.			44620				2620.8				2329.2				3666.8	13078.8	
Outf. Ac. Ft.			54829	+(47.2)			2508.2	+ (24.6)			2368.9	+(19.2)			3252.1	+ (17.7)	13692.1 + (108.7)
Maximum Mean Daily Inflow			90.6				46.5				40.2				361.6	361.6	
Minimum Mean Daily Inflow			46.6				41.6				36.2				36.5	36.2	
Storage Change		- 1068.				+ 8.0				-59.0				+ 397.		- 722.0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1353.00	feet on	2/23/59	Storage	8013.	Acre Feet	
Min. W. S. Elev.	1295.10	feet on	VARIOUS DAYS	Storage	862.	Acre Feet	
Max. Peak Inf.	3080.	C.F.S. from	5:45 A.M.	on	1/6/59	to 6:00 A.M. on	1/6/59
Max. Peak Outf.	460.0	C.F.S. from	6:00 A.M.	on	2/24/59	to 8:00 A.M. on	2/24/59

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
O.R. WATKINS	Dam Tender	Gage Hts. copied	TS JH	
E.K. DE VORE	Hydrographer	Storage applied	TS JH	
	Hydrographer	Inf. & Outf. comp.	TS JH	

REMARKS ( ) INDICATES EVAPORATION LOSSES

76D138N-58B Glb 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAN GABRIEL Dam

In San Gabriel Canyon for the Year Ending September 30, 19 59

Continuous Water Stage Recorder Au

Drainage Area 202.7 Square Miles. Capacity of Reservoir 44614. Ac. Ft. at Spillway Elev. 1453.0 Ft. as of August 19 58 Gage Heights Read daily

Day	February				March				April				May				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1302.18	1290	46.9	49.5	1341.07	5658	161.5	382.2	1323.82	3243	72.2	60.3	1332.46	4333	64.6	45.6	1
2	1302.05	1281	45.5	49.7	1338.82	5285	169.8	356.9	1324.21	3287	68.7	45.3	1332.68	4364	62.6	45.6	2
3	1301.95	1275	46.9	49.5	1336.68	4949	180.3	348.6	1324.66	3339	72.3	45.4	1332.69	4393	61.9	45.6	3
4	1301.85	1268	46.3	49.5	1334.22	4582	164.1	347.5	1325.09	3389	71.6	45.4	1333.08	4419	60.3	45.6	4
5	1301.75	1262	46.7	49.5	1331.12	4150	132.3	349.0	1325.51	3439	71.4	45.4	1333.23	4441	58.9	46.1	5
6	1301.64	1255	46.1	49.5	1327.42	3670	125.8	366.9	1325.91	3486	69.6	45.4	1333.36	4459	55.9	45.3	6
7	1301.80	1265	48.5	43.4	1322.81	3129	114.8	386.9	1326.33	3537	71.8	45.5	1333.45	4472	52.5	44.6	7
8	1303.04	1347	81.6	40.4	1320.81	2913	126.4	234.4	1326.70	3582	69.1	45.5	1333.56	4486	52.8	44.6	8
9	1303.66	1390	62.4	40.4	1321.61	2998	126.2	82.5	1327.00	3618	64.8	45.5	1333.66	4502	54.2	44.8	9
10	1304.20	1427	59.8	41.1	1322.35	3078	123.5	82.3	1327.29	3654	65.3	45.6	1333.77	4517	53.4	44.8	10
11	1316.14	2440	562.6	51.8	1322.94	3143	116.4	82.3	1327.51	3681	60.7	45.6	1333.83	4526	50.4	44.7	11
12	1319.68	2795	240.6	61.2	1323.33	3187	105.6	82.3	1327.71	3706	59.7	45.8	1333.88	4533	49.2	44.7	12
13	1321.21	2955	142.0	60.7	1323.64	3222	100.5	82.3	1327.91	3731	59.9	45.8	1333.94	4541	49.8	44.7	13
14	1322.13	3054	110.3	60.0	1323.95	3257	100.8	82.3	1328.08	3752	56.7	45.1	1334.00	4550	50.4	44.7	14
15	1322.70	3117	91.8	60.0	1324.20	3286	97.8	82.1	1328.28	3778	58.9	44.8	1334.06	4559	50.6	44.7	15
16	1337.10	5014	1029.6	73.2	1324.31	3299	90.1	82.1	1328.48	3803	58.5	44.9	1334.11	4566	49.6	44.7	16
17	1343.76	6140	665.5	97.6	1324.43	3312	89.7	82.1	1328.68	3829	58.8	44.9	1334.13	4569	47.5	44.7	17
18	1346.73	6711	370.6	81.9	1324.53	3324	88.8	82.1	1328.90	3857	59.7	44.9	1334.16	4576	49.6	45.2	18
19	1348.38	7042	249.4	82.6	1324.61	3333	87.4	82.1	1329.10	3883	58.9	44.9	1334.22	4588	49.9	45.5	19
20	1349.67	7306	216.2	82.6	1324.64	3337	85.3	82.1	1329.25	3902	55.3	44.9	1334.24	4585	48.3	45.5	20
21	1351.10	7605	233.7	82.6	1324.64	3337	83.3	82.1	1329.39	3921	55.8	45.1	1334.26	4588	48.2	45.5	21
22	1352.25	7851	207.7	82.6	1324.66	3339	83.7	82.1	1329.49	3934	53.0	45.1	1334.28	4591	48.0	45.5	22
23	1352.85	7981	190.9	124.3	1324.66	3339	82.4	81.7	1329.57	3944	51.2	45.3	1334.30	4594	48.2	45.5	23
24	1350.57	7494	181.4	425.7	1324.63	3335	80.9	81.7	1329.68	3958	53.4	45.3	1334.30	4594	46.9	45.5	24
25	1347.95	6954	165.2	436.2	1324.57	3329	79.5	81.4	1330.06	4008	70.5	45.3	1334.33	4598	48.6	45.6	25
26	1347.64	6892	170.9	200.8	1324.45	3315	75.8	82.2	1331.09	4145	114.4	45.4	1334.36	4603	49.2	45.7	26
27	1346.12	6591	176.6	326.9	1324.31	3299	75.7	82.8	1331.57	4211	79.9	45.5	1334.38	4605	47.3	45.1	27
28	1343.53	6098	172.9	420.4	1324.14	3279	72.9	82.2	1331.87	4251	67.1	45.5	1334.40	4608	47.6	44.8	28
29					1323.98	3261	74.0	82.3	1332.04	4275	59.0	45.5	1334.40	4608	45.9	44.8	29
30					1323.81	3242	72.2	81.4	1332.20	4297	57.7	45.5	1334.39	4607	45.5	44.8	30
31					1323.64	3222	72.3	81.4					1334.34	4600	42.7	44.8	31
TOTAL			5708.8	3273.6			3239.8	4660.3			1945.9	1374.4			1590.5	1399.7	
Inf. Ac. Ft.			113232				64260				38596				31547	37842.3	
Outf. Ac. Ft.			64931	+(280)			92346	+(585)			27261	+(585)			27763	+(754)	34931.2+(329.1)
Maximum Mean Daily Inflow			1029.6				130.3				114.4				64.6	1029.6	
Minimum Mean Daily Inflow			45.5				72.2				51.2				42.7	36.2	
Storage Change	+4802.				-2876.				+1075.				+303.			+2582.	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1353.00	feet	on	2/23/59	Storage	8013.	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1295.10	feet	on	VARIOUS DAYS	Storage	862.	Acre Feet	O.R. WATKINS	Dam Tender	Gage Hts. copied	TS	RAP
Max. Peak Inf.	3080.	C.F.S. from	5:45 A.M.	on	1/6/59	to	6:00 A.M. on	1/6/59	E.K. DE VORE	Hydrographer	Storage applied	TS	RAP
Max. Peak Outf.	460.0	C.F.S. from	6:00 A.M.	on	2/24/59	to	8:00 A.M. on	2/24/59		Hydrographer	Inf. & Outf. comp.	TS	RAP

REMARKS ( ) INDICATES EVAPORATION LOSSES

76D138N-58B Glb 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAN GABRIEL Dam

In San Gabriel Canyon for the Year Ending September 30, 19 59

Continuous Water Stage Recorder Au

Drainage Area 202.7 Square Miles. Capacity of Reservoir 44614. Ac. Ft. at Spillway Elev. 1453.0 Ft. as of August 19 58 Gage Heights Read daily

Day	June				July				August				September				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1334.30	4594	43.1	44.7	1328.22	3770	26.1	45.8	1313.83	2219	33.3	45.8	1310.26	1898	15.5	18.9	1
2	1334.23	4594	41.3	45.0	1327.86	3727	25.7	45.9	1313.36	2175	25.1	45.7	1310.17	1891	16.1	18.7	2
3	1334.15	4572	40.4	45.2	1327.57	3689	28.4	45.8	1312.88	2131	24.9	45.5	1310.07	1882	16.0	19.5	3
4	1334.07	4560	40.4	45.2	1327.22	3645	25.2	45.8	1312.38	2086	23.6	45.2	1309.96	1873	15.9	19.3	4
5	1333.98	4547	40.0	45.2	1326.86	3601	25.2	45.6	1311.90	2042	24.3	45.1	1309.87	1865	16.0	18.9	5
6	1333.86	4530	37.5	45.2	1326.51	3559	26.3	45.6	1311.38	1996	23.2	45.1	1309.77	1857	16.0	18.9	6
7	1333.76	4516	39.6	45.2	1326.13	3513	24.4	45.6	1311.21	1981	21.8	28.1	1309.64	1846	14.6	19.2	7
8	1333.63	4497	37.1	45.2	1325.75	3467	24.2	45.3	1311.20	1980	20.5	19.7	1309.52	1836	15.3	19.2	8
9	1333.51	4480	38.0	45.2	1325.34	3418	22.3	45.0	1311.18	1978	20.1	19.7	1309.39	1825	15.0	19.3	9
10	1333.38	4462	37.6	45.2	1324.91	3368	22.3	45.4	1311.14	1974	19.0	19.7	1309.24	1812	14.1	19.6	10
11	1333.23	4441	36.1	45.0	1324.46	3316	21.3	45.6	1311.10	1971	19.5	19.7	1309.13	1803	15.5	19.5	11
12	1333.05	4415	33.3	45.0	1323.98	3261	19.7	45.6	1311.05	1966	18.3	19.7	1309.04	1795	15.8	19.5	12
13	1332.88	4391	34.5	45.0	1323.52	3209	20.9	45.6	1311.02	1964	19.7	19.6	1309.27	1815	30.3	19.5	13
14	1332.68	4364	33.5	45.0	1323.07	3158	21.3	45.6	1311.00	1962	19.8	19.6	1310.01	1877	51.8	19.6	14
15	1332.46	4333	31.3	45.0	1322.58	3104	19.8	45.6	1310.99	1961	20.2	19.6	1310.32	1904	34.2	19.7	15
16	1332.25	4304	32.2	45.0	1322.07	3048	18.6	45.6	1310.96	1959	19.7	19.6	1310.58	1926	31.8	19.9	16
17	1332.03	4273	31.1	44.8	1321.58	2995	20.1	45.5	1310.92	1955	18.7	19.6	1310.79	1944	29.9	20.0	17
18	1331.78	4239	30.0	45.2	1321.10	2944	20.8	45.3	1310.91	1954	20.1	19.6	1310.96	1959	28.2	20.0	18
19	1331.54	4206	31.0	45.5	1320.60	2891	19.7	45.1	1310.92	1955	21.1	19.6	1311.10	1971	26.8	20.0	19
20	1331.30	4174	31.1	45.5	1320.10	2838	19.6	45.1	1310.95	1958	22.4	19.6	1311.20	1980	25.4	20.1	20
21	1331.03	4137	28.5	45.5	1319.63	2790	22.2	45.3	1310.93	1956	19.8	19.6	1311.29	1988	24.5	19.6	21
22	1330.75	4100	28.6	45.5	1319.14	2740	20.9	45.3	1310.89	1953	19.4	19.6	1311.30	1989	20.8	19.5	22
23	1330.45	4060	27.2	45.5	1318.66	2691	22.0	45.4	1310.85	1949	18.5	19.6	1311.30	1989	20.1	19.4	23
24	1330.16	4021	27.5	45.5	1318.11	2635	18.6	45.4	1310.83	1947	19.4	19.6	1311.36	1994	22.7	19.3	24
25	1329.88	3984	27.8	45.2	1317.59	2583	20.7	45.2	1310.81	1946	19.8	19.6	1311.46	2003	24.1	18.8	25
26	1329.62	3951	29.9	45.2	1317.00	2525	17.2	45.2	1310.77	1942	18.6	19.6	1311.54	2010	23.5	19.3	26
27	1329.38	3919	30.1	45.2	1316.44	2470	18.7	45.1	1310.72	1938	18.7	19.6	1311.64	2019	24.8	19.5	27
28	1329.12	3886	29.3	44.7	1315.89	2415	18.8	45.1	1310.66	1933	18.3	19.6	1311.72	2026	23.2	19.2	28
29	1328.86	3852	30.1	45.2	1315.31	2360	18.6	45.0	1310.57	1925	17.0	19.6	1311.81	2034	24.1	19.3	29
30	1328.55	3812	26.8	45.6	1314.75	2306	19.6	45.5	1310.47	1916	16.4	19.6	1311.88	2040	23.4	19.7	30
31					1314.13	2247	17.4	45.8	1310.36	1907	16.5	19.6					31
TOTAL			1004.9	1355.4			666.6	1408.7			637.7	771.4			675.3	582.9	
Inf. Ac. Ft.			19932				13222				12649				13394	43762.0	
Outf. Ac. Ft.			26884	+(928)			27941	+(930)			15200	+(748)			11562+(502)	43099.9+(639.9)	
Maximum Mean Daily Inflow			43.1				28.4				33.3				51.8	1029.6	
Minimum Mean Daily Inflow			26.8				17.2				16.4				14.1	14.1	
Storage Change	-788.				-1565.				-340.				+133.			+22.0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1353.00	feet	on	2/23/59	Storage	8013.	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1295.10	feet	on	VARIOUS DAYS	Storage	862.	Acre Feet	O.R. WATKINS	Dam Tender	Gage Hts. copied	TS	JPR
Max. Peak Inf.	3080.	C.F.S. from	5:45 A.M.	on	1/6/59	to	6:00 A.M. on	1/6/59	E.K. DE VORE	Hydrographer	Storage applied	TS	JPR
Max. Peak Outf.	460.0	C.F.S. from	6:00 A.M.	on	2/24/59	to	8:00 A.M. on	2/24/59		Hydrographer	Inf. & Outf. comp.	TS	JPR

REMARKS ( ) INDICATES EVAPORATION LOSSES

76D138N-68B Gb 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of BIG DALTON Dam

In Big Dalton Canyon for the Year Ending September 30, 19 58

Continuous Water Stage Recorder Au

Drainage Area 4.49 Square Miles. Capacity of Reservoir 951.6 Ac. Ft. at Spillway Elev. 1706.0 Ft. as of September 19 44 Gage Heights Read daily

Day	October Gage Height	October Acre Ft. Storage	October C.F.S. Inflow	October C.F.S. Outflow	November Gage Height	November Acre Ft. Storage	November C.F.S. Inflow	November C.F.S. Outflow	December Gage Height	December Acre Ft. Storage	December C.F.S. Inflow	December C.F.S. Outflow	January Gage Height	January Acre Ft. Storage	January C.F.S. Inflow	January C.F.S. Outflow	Day
1	1642.0	79.5	0.01	0	1627.3	25.8	0.5	0	1629.1	30.4	0	0	1634.2	46.3	0.4	0	1
2	1642.0	79.5	0.01	0	1627.7	26.8	0.5	0	1629.1	30.4	0	0	1634.3	46.7	0.4	0	2
3	1642.0	79.5	0.01	0	1627.9	27.2	0.2	0	1629.2	30.7	0.1	0	1634.4	47.0	0.4	0	3
4	1642.0	79.5	0.01	0	1628.0	27.5	0.2	0	1629.2	30.7	0.1	0	1634.6	47.8	0.4	0	4
5	1642.0	79.5	0.01	0	1628.1	27.8	0.2	0	1629.3	30.9	0.1	0	1634.7	48.1	0.4	0	5
6	1642.0	79.5	0.01	0	1628.2	28.0	0.1	0	1629.3	30.9	0.1	0	1634.8	48.5	0.4	0	6
7	1642.0	79.5	0.01	0	1628.3	28.3	0.1	0	1629.4	31.2	0.1	0	1634.9	48.8	0.4	0	7
8	1641.9	79.0	0.01	0	1628.3	28.3	0.1	0	1629.4	31.2	0.1	0	1635.0	49.2	0.4	0	8
9	1641.9	79.0	0.01	0	1628.4	28.5	0.1	0	1629.5	31.5	0.1	0	1635.1	49.6	0.4	0	9
10	1641.9	79.0	0.01	0	1628.5	28.5	0.1	0	1629.5	31.5	0.1	0	1635.2	50.0	0.4	0	10
11	1642.0	79.5	0.01	0	1628.5	28.8	0.1	0	1629.5	31.5	0	0	1635.3	50.3	0.4	0	11
12	1642.0	79.5	0.02	0	1628.6	29.1	0.1	0	1629.5	31.5	0	0	1635.4	50.7	0.4	0	12
13	1642.1	80.0	0.02	0	1628.7	29.3	0.1	0	1629.5	31.5	0	0	1635.4	50.7	0.4	0	13
14	1642.1	80.0	0.02	0	1628.7	29.3	0.1	0	1629.5	31.5	0	0	1635.6	51.5	0.4	0	14
15	1642.1	80.0	0.02	0	1628.7	29.3	0.1	0	1629.9	32.6	0.6	0	1635.7	51.9	0.4	0	15
16	1642.1	80.0	0.02	0	1628.8	29.6	0.1	0	1630.3	33.8	0.5	0	1635.8	52.2	0.4	0	16
17	1642.1	80.0	0.03	0	1628.9	29.8	0.1	0	1631.4	37.0	1.7	0	1635.9	52.6	0.4	0	17
18	1642.1	80.0	0.03	0	1628.9	29.8	0.1	0	1631.8	38.3	0.6	0	1636.0	53.0	0.4	0	18
19	1642.1	80.0	0.03	0	1628.9	29.8	0	0	1632.0	38.9	0.3	0	1636.0	53.0	0.4	0	19
20	1642.2	80.5	0.03	0	1628.9	29.8	0.1	0	1632.3	39.9	0.6	0	1636.1	53.4	0.4	0	20
21	1642.2	80.5	0.03	0	1628.9	29.8	0.1	0	1632.5	40.6	0.4	0	1636.2	53.8	0.4	0	21
22	1642.2	80.5	0.03	0	1628.9	29.8	0.1	0	1632.7	41.2	0.3	0	1636.2	53.8	0.4	0	22
23	1642.2	80.5	0.03	0	1629.0	30.1	0	0	1632.9	41.9	0.3	0	1636.3	54.2	0.4	0	23
24	1642.2	80.5	0.03	0	1629.0	30.1	0.1	0	1633.1	42.5	0.4	0	1636.4	54.6	0.4	0	24
25	1642.2	80.5	0.03	0	1629.0	30.1	0	0	1633.2	42.9	0.2	0	1636.6	55.3	0.4	0	25
26	1642.2	80.5	0.03	0	1629.0	30.1	0	0	1633.4	43.6	0.2	0	1638.1	61.5	0.4	0	26
27	1642.2	80.5	0.03	0	1629.0	30.1	0.1	0	1633.5	43.9	0.2	0	1638.8	64.5	0.5	0	27
28	1642.2	80.5	0.03	0	1629.1	30.4	0	0	1633.7	44.6	0.2	0	1639.2	66.3	0.5	0	28
29	1642.2	80.5	0.03	0	1629.1	30.4	0	0	1633.9	45.3	0.3	0	1639.5	67.6	0.5	0	29
30	1635.8	52.2	0.2	14.2	1629.1	30.4	0	0	1634.0	45.6	0.3	0	1639.9	69.4	0.5	0	30
31	1626.7	24.3	0.6	14.6					1634.1	46.0	0.3	0	1640.2	70.8	0.5	0	31
TOTAL			1.40	28.8			3.4	0			8.2	0			12.9		
Inf. Ac. Ft.			2.8				6.7				16.3				25.6	51.4	
Outf. Ac. Ft.			57.1	+(0.8)			0	+(0.6)			0	+(0.7)			0+(0.8)	57.1+(2.9)	
Maximum Mean Daily Inflow			0.6				0.5				1.7				0.5	1.7	
Minimum Mean Daily Inflow			0.01				0				0				0.4	0	
Storage Change		-55.2				+6.1				+15.6				+24.8		-8.7	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1705.8	feet	on	5/25/ & 26	Storage	947.0	Acre Feet		
Min. W. S. Elev.	1626.4	feet	on	10/31	Storage	21.2	Acre Feet		
Max. Peak Inf.	169.4	C. F. S. from	7:00 A.M.	on	4/3	to	8:00 A.M.	on	4/3
Max. Peak Outf.	50.0	C. F. S. from	12:00 N.	on	4/5	to	9:15 A.M.	on	4/6

REMARKS ( ) INDICATES EVAPORATION LOSSES
\ INDICATES AVERAGE FOR PERIOD

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
D.E. WILSON	Dam Tender	Gage Hts. copied	FES BJM	
R.J. SARASUA	Hydrographer	Storage applied	FES BJM	
	Hydrographer	Inf. & Outf. comp.	FES BJM	

76D138N-68B Gb 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of BIG DALTON Dam

In Big Dalton Canyon for the Year Ending September 30, 19 58

Continuous Water Stage Recorder Au

Drainage Area 4.49 Square Miles. Capacity of Reservoir 951.6 Ac. Ft. at Spillway Elev. 1706.0 Ft. as of September 19 44 Gage Heights Read daily

Day	February Gage Height	February Acre Ft. Storage	February C.F.S. Inflow	February C.F.S. Outflow	March Gage Height	March Acre Ft. Storage	March C.F.S. Inflow	March C.F.S. Outflow	April Gage Height	April Acre Ft. Storage	April C.F.S. Inflow	April C.F.S. Outflow	May Gage Height	May Acre Ft. Storage	May C.F.S. Inflow	May C.F.S. Outflow	Day
1	1640.5	72.2	0.8	0	1663.3	238.6	2.6	0	1671.6	334.4	46.0	3.5	1701.7	854.6	4.4	2.0	1
2	1640.8	73.7	0.8	0	1663.6	243.7	2.6	0	1677.0	407.7	37.1	0	1701.9	859.1	3.6	1.2	2
3	1641.8	78.5	2.4	0	1664.2	247.9	2.3	0	1688.9	600.9	97.4	0	1702.3	867.9	4.6	0	3
4	1652.9	147.2	34.6	0	1664.6	252.2	2.2	0	1694.6	707.7	53.9	0	1702.5	872.4	2.5	0	4
5	1656.6	176.6	14.8	0	1665.0	256.5	2.3	0	1695.3	721.5	33.1	26.0	1702.6	879.0	3.5	0	5
6	1658.3	191.2	7.5	0	1665.6	263.1	3.3	0	1695.6	727.4	26.3	23.4	1703.0	883.4	2.4	0	6
7	1659.4	201.0	4.9	0	1666.1	268.6	2.8	0	1698.6	788.7	38.5	7.6	1703.1	885.6	1.3	0	7
8	1660.3	209.3	4.2	0	1666.6	274.3	3.0	0	1701.9	859.1	35.7	0	1703.4	892.4	3.7	0	8
9	1660.9	215.0	2.9	0	1667.0	278.8	2.2	0	1702.0	861.3	22.5	21.2	1703.5	894.6	1.3	0	9
10	1661.4	219.7	2.5	0	1667.4	283.4	2.5	0	1701.1	841.8	22.2	31.8	1703.7	899.1	2.5	0	10
11	1661.9	224.5	2.4	0	1667.9	289.2	2.9	0	1700.9	837.4	18.2	20.2	1703.9	903.6	2.4	0	11
12	1662.3	228.5	2.0	0	1668.3	293.9	2.4	0	1701.0	839.6	13.3	12.0	1704.2	910.3	3.6	0	12
13	1662.6	231.5	1.6	0	1668.8	299.8	2.9	0	1701.1	841.8	13.3	12.0	1704.3	912.6	1.4	0	13
14	1662.9	234.5	1.5	0	1669.1	303.4	1.8	0	1701.0	839.6	11.1	12.0	1704.5	917.2	2.5	0	14
15	1663.2	237.6	1.6	0	1669.8	311.9	4.3	0	1700.7	833.2	9.0	12.0	1704.6	919.4	1.3	0	15
16	1663.5	240.6	1.5	0	1672.2	342.1	19.4	4.1	1700.3	824.6	7.8	12.0	1704.8	924.0	2.6	0	16
17	1663.7	242.7	1.2	0	1672.5	346.0	11.7	9.8	1699.9	816.0	7.9	12.0	1704.9	926.2	1.4	0	17
18	1663.9	244.8	1.0	0	1672.4	344.7	9.2	9.8	1699.6	809.7	9.0	12.0	1705.0	928.5	1.5	0	18
19	1664.7	253.3	4.3	0	1672.1	340.8	7.8	9.8	1699.0	797.0	5.7	12.0	1705.1	930.8	1.4	0	19
20	1664.0	245.8	2.4	6.2	1671.9	338.2	9.1	10.3	1699.1	799.1	11.4	10.2	1705.3	935.4	2.7	0	20
21	1662.6	231.5	2.0	9.2	1671.2	329.3	6.7	11.2	1699.2	801.2	5.8	4.6	1705.4	937.7	1.4	0	21
22	1661.1	216.9	1.8	9.1	1671.4	331.9	10.9	9.6	1699.6	809.7	6.5	2.1	1705.5	940.0	1.5	0	22
23	1659.5	202.0	1.3	8.9	1669.6	309.5	8.7	20.0	1699.9	816.0	5.4	2.1	1705.6	942.4	1.5	0	23
24	1659.6	204.7	1.4	0	1667.6	285.7	8.0	20.0	1700.2	822.4	5.5	2.1	1705.7	944.7	1.4	0	24
25	1661.0	215.9	5.7	0	1666.1	268.6	7.5	16.0	1700.5	828.8	5.6	2.1	1705.8	947.0	1.5	0	25
26	1661.6	221.7	2.9	0	1665.6	263.1	6.6	9.3	1700.7	833.2	4.3	2.0	1705.8	947.0	1.4	1.1	26
27	1662.2	227.5	2.9	0	1665.5	273.2	8.6	3.5	1700.9	837.4	4.2	2.0	1705.7	944.7	1.1	2.0	27
28	1662.8	233.5	3.1	0	1666.4	272.0	6.1	6.7	1701.1	841.8	4.3	2.0	1705.6	942.4	1.2	2.0	28
29					1665.8	265.3	6.0	9.4	1701.3	846.1	4.3	2.0	1705.5	940.0	1.1	2.0	29
30					1665.1	257.6	5.7	9.4	1701.5	850.4	4.3	2.0	1705.5	940.0	2.3	2.0	30
31					1664.4	250.1	5.6	9.4					1705.4	937.7	1.1	2.0	31
TOTAL			116.0	33.4			177.7	168.3			569.6	262.9			66.1	14.3	
Inf. Ac. Ft.			230.1				352.5				1129.8				131.1	1894.8	
Outf. Ac. Ft.			66.2	+(1.2)			333.8	+(2.0)			521.5	+(7.9)			28.4+(15.5)	1007.0+(29.5)	
Maximum Mean Daily Inflow			34.6				19.4				97.4				4.6	97.4	
Minimum Mean Daily Inflow			0.8				1.8				4.2				1.1	0	
Storage Change		+162.7				+166				+603				+873		+858.2	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1705.8	feet	on	5/25 & 26	Storage	947.0	Acre Feet		
Min. W. S. Elev.	1626.4	feet	on	10/31	Storage	21.2	Acre Feet		
Max. Peak Inf.	169.4	C. F. S. from	7:00 A.M.	on	4/3	to	8:00 A.M.	on	4/3
Max. Peak Outf.	50.0	C. F. S. from	12:00 N	on	4/5	to	9:15 A.M.	on	4/6

REMARKS ( ) INDICATES EVAPORATION LOSSES

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
D.E. WILSON	Dam Tender	Gage Hts. copied	FES HRW	
R.J. SARASUA	Hydrographer	Storage applied	FES HRW	
	Hydrographer	Inf. & Outf. comp.	FES HRW	

76D138N-68B Clb 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of BIG DALTON Dam

In ~~On~~ Big Dalton Canyon for the Year Ending September 30, 1958

Continuous Water Stage Recorder Au

Drainage Area 4.49 Square Miles. Capacity of Reservoir 951.6 Ac. Ft. at Spillway Elev. 1706.0 Ft. as of September 1, 1958 Gage Heights Read daily

Day	June Gage Height	June Acre Ft. Storage	June C.F.S. Inflow	June C.F.S. Outflow	July Gage Height	July Acre Ft. Storage	July C.F.S. Inflow	July C.F.S. Outflow	August Gage Height	August Acre Ft. Storage	August C.F.S. Inflow	August C.F.S. Outflow	September Gage Height	September Acre Ft. Storage	September C.F.S. Inflow	September C.F.S. Outflow	Day
1	1705.4	937.7	[2.4	2.0	1680.1	454.3	[0.7	1.4	1632.4	40.2	0.4	0	1636.5	55.0	0.3	0	1
2	1705.3	935.4	2.4	2.0	1678.4	428.4	0.6	1.3	1632.6	40.9	0.5	0	1636.6	55.3	0.3	0	2
3	1705.3	935.4	2.4	2.0	1676.7	403.4	0.6	1.3	1632.8	41.5	0.4	0	1636.7	55.7	0.3	0	3
4	1705.2	933.1	2.4	2.0	1674.9	378.0	0.6	1.3	1633.0	42.2	0.3	0	1636.8	56.1	0.2	0	4
5	1705.1	930.8	2.4	2.0	1673.1	353.8	0.6	1.3	1633.1	42.5	0.3	0	1636.9	56.5	0.3	0	5
6	1705.0	928.5	2.4	2.0	1671.2	329.3	0.6	1.3	1633.3	43.2	0.3	0	1637.0	56.9	0.2	0	6
7	1704.9	926.2	2.4	1.9	1669.3	305.8	0.6	1.3	1633.5	43.9	0.5	0	1637.1	57.3	0.3	0	7
8	1704.8	924.0	2.4	1.9	1667.1	280.0	0.6	1.3	1633.7	44.6	0.4	0	1637.1	57.3	0.1	0	8
9	1704.8	924.0	2.4	1.9	1664.7	253.3	0.6	1.3	1633.8	44.9	0.3	0	1637.2	57.7	0.3	0	9
10	1704.7	921.7	2.4	1.9	1662.0	225.5	0.6	1.4	1634.0	45.6	0.3	0	1637.3	58.2	0.2	0	10
11	1704.6	919.4	2.4	1.9	1659.2	199.2	0.6	1.5	1634.1	46.0	0.3	0	1637.3	58.2	0.1	0	11
12	1704.6	919.4	2.4	1.9	1656.1	172.4	0.6	1.4	1634.3	46.7	0.4	0	1637.4	58.6	0.2	0	12
13	1703.8	901.3	2.4	1.0.0	1652.9	147.2	0.8	1.5.3	1634.4	47.0	0.2	0	1637.4	58.6	0.1	0	13
14	1702.7	876.8	2.4	1.6.0	1649.0	119.6	0.6	1.5.2	1634.5	47.4	0.2	0	1637.5	59.0	0.3	0	14
15	1701.5	850.4	2.4	1.6.0	1646.0	101.0	0.6	9.3	1634.7	48.1	0.5	0	1637.6	59.4	0.3	0	15
16	1700.4	826.7	2.4	1.6.0	1643.4	86.7	0.6	7.8	1634.8	48.5	0.2	0	1637.6	59.4	0.1	0	16
17	1699.2	801.2	2.4	1.6.0	1640.6	72.7	0.6	7.8	1634.9	48.8	0.2	0	1637.7	59.8	0.2	0	17
18	1698.0	776.2	2.4	1.5.9	1637.4	58.6	0.6	7.1	1635.1	49.6	0.4	0	1637.8	60.3	0.3	0	18
19	1696.7	749.5	2.4	1.5.8	1633.9	45.3	0.6	6.7	1635.2	50.0	0.3	0	1637.8	60.3	0.1	0	19
20	1695.5	725.4	2.4	1.5.7	1630.0	32.9	0.6	6.7	1635.3	50.3	0.2	0	1637.9	60.7	0.2	0	20
21	1694.2	699.8	2.3	1.5.6	1629.4	31.2	0.6	1.7	1635.4	50.7	0.3	0	1638.0	61.1	0.2	0	21
22	1692.9	674.7	2.3	1.5.5	1629.9	32.6	0.6	0	1635.5	51.1	0.2	0	1638.0	61.1	0.1	0	22
23	1691.5	648.3	2.3	1.5.4	1630.3	33.8	0.6	0	1635.6	51.5	0.3	0	1638.0	61.1	0.1	0	23
24	1690.2	624.4	2.3	1.5.2	1630.6	34.6	0.6	0	1635.7	51.9	0.2	0	1638.1	61.5	0.2	0	24
25	1689.0	602.7	2.3	1.5.0	1630.9	35.5	0.6	0	1635.8	52.2	0.3	0	1638.2	62.0	0.2	0	25
26	1687.6	578.0	2.3	1.4.8	1631.2	36.4	0.6	0	1635.9	52.6	0.2	0	1638.2	62.0	0.1	0	26
27	1686.2	553.7	2.3	1.4.6	1631.4	37.0	0.6	0	1636.0	53.0	0.3	0	1638.3	62.4	0.3	0	27
28	1684.7	528.4	2.3	1.4.4	1631.6	37.7	0.6	0	1636.1	53.4	0.3	0	1638.4	62.8	0.2	0	28
29	1683.2	503.7	2.3	1.4.2	1631.8	38.3	0.6	0	1636.2	53.8	0.2	0	1638.4	62.8	0.1	0	29
30	1681.7	479.5	L2.3	1.4.0	1632.0	38.9	0.6	0	1636.3	54.2	0.3	0	1638.5	63.2	0.2	0	30
31					1632.2	39.6	L0.6	0	1636.4	54.6	0.2	0					31
TOTAL			71.0	293.5			18.7	233.4			9.4	0					
Inf. Ac. Ft.			140.8				37.1				18.6				12.1	210.3.5	
Outf. Ac. Ft.			582.1	+(16.9)			462.9	+(14.1)			0	+(3.6)			0 + (3.6)	205.2 + (67.7)	
Maximum Mean Daily Inflow			2.4				0.7				0.5				0.3	9.7.4	
Minimum Mean Daily Inflow			2.3				0.6				0.2				0.1	0	
Storage Change		-458.2				-439				+15.0				+8.6		-16.3	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1705.8	feet	on	5/25 & 26	Storage	947.0	Acre Feet		
Min. W. S. Elev.	1626.4	feet	on	10/31	Storage	21.2	Acre Feet		
Max. Peak Inf.	169.4	C.F.S. from	7:00 A.M.	on	4/3	to	8:00 A.M.	on	4/3
Max. Peak Outf.	50.0	C.F.S. from	12:00 N.	on	4/5	to	9:15 A.M.	on	4/6

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
D.E. WILSON	Dam Tender	Gage Hts. copied	FES HRW	
R.J. SARASUA	Hydrographer	Storage applied	FES HRW	
	Hydrographer	Inf. & Outf. comp.	FES HRW	

REMARKS ( ) INDICATES EVAPORATION LOSSES

76D138N-68B Clb 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of BIG DALTON Dam

In ~~On~~ Big Dalton Canyon for the Year Ending September 30, 1959

Continuous Water Stage Recorder Au

Drainage Area 4.49 Square Miles. Capacity of Reservoir 960.8 Ac. Ft. at Spillway Elev. 1706.0 Ft. as of October 1, 1958 Gage Heights Read daily

Day	October Gage Height	October Acre Ft. Storage	October C.F.S. Inflow	October C.F.S. Outflow	November Gage Height	November Acre Ft. Storage	November C.F.S. Inflow	November C.F.S. Outflow	December Gage Height	December Acre Ft. Storage	December C.F.S. Inflow	December C.F.S. Outflow	January Gage Height	January Acre Ft. Storage	January C.F.S. Inflow	January C.F.S. Outflow	Day
1	1638.5	56.2	[0.2	0	1639.7	61.3	[0.1	0	1640.5	64.8	[0.1	0	1641.2	68.0	[0.05	0	1
2	1638.6	56.7	0.2	0	1639.7	61.3	0.1	0	1640.5	64.8	0.1	0	1641.2	68.0	0.05	0	2
3	1638.6	56.7	0.1	0	1639.8	61.7	0.1	0	1640.6	65.3	0.1	0	1641.2	68.0	0.05	0	3
4	1638.7	57.1	0.1	0	1639.8	61.7	0.1	0	1640.6	65.3	0.1	0	1641.2	68.0	0.05	0	4
5	1638.7	57.1	0.1	0	1639.8	61.7	0.1	0	1640.6	65.3	0.1	0	1641.3	68.5	0.3	0	5
6	1638.8	57.5	0.1	0	1639.8	61.7	0.1	0	1640.6	65.3	0.1	0	1641.6	69.9	0.7	0	6
7	1638.8	57.5	0.1	0	1639.8	61.7	0.1	0	1640.7	65.8	0.1	0	1641.6	69.9	0.05	0	7
8	1638.9	57.9	0.1	0	1639.9	62.2	0.1	0	1640.7	65.8	0.05	0	1641.6	69.9	0.05	0	8
9	1638.9	57.9	0.1	0	1640.0	62.6	0.1	0	1640.7	65.8	0.05	0	1641.6	69.9	0.05	0	9
10	1639.0	58.3	0.1	0	1640.0	62.6	0.1	0	1640.7	65.8	0.05	0	1641.7	70.4	0.05	0	10
11	1639.0	58.3	0.1	0	1640.0	62.6	0.1	0	1640.7	65.8	0.05	0	1641.8	70.9	0.05	0	11
12	1639.1	58.7	0.1	0	1640.0	62.6	0.1	0	1640.8	66.2	0.05	0	1641.8	70.9	0.05	0	12
13	1639.1	58.7	0.1	0	1640.1	63.0	0.1	0	1640.8	66.2	0.05	0	1641.8	70.9	0.05	0	13
14	1639.2	59.2	0.1	0	1640.1	63.0	0.1	0	1640.8	66.2	0.05	0	1641.8	70.9	0.05	0	14
15	1639.2	59.2	0.1	0	1640.1	63.0	0.1	0	1640.8	66.2	0.05	0	1641.8	70.9	0.05	0	15
16	1639.2	59.2	0.1	0	1640.2	63.5	0.1	0	1640.8	66.2	0.05	0	1641.8	70.9	0.05	0	16
17	1639.2	59.2	0.1	0	1640.2	63.5	0.05	0	1640.8	66.2	0.05	0	1641.9	71.3	0.1	0	17
18	1639.2	59.2	0.1	0	1640.2	63.5	0.05	0	1640.9	66.6	0.05	0	1641.9	71.3	0.1	0	18
19	1639.3	59.6	0.1	0	1640.3	64.0	0.05	0	1640.9	66.6	0.05	0	1642.0	71.8	0.1	0	19
20	1639.3	59.6	0.1	0	1640.3	64.0	0.05	0	1640.9	66.6	0.05	0	1642.0	71.8	0.1	0	20
21	1639.3	59.6	0.1	0	1640.3	64.0	0.05	0	1640.9	66.6	0.05	0	1642.0	71.8	0.1	0	21
22	1639.3	59.6	0.1	0	1640.3	64.0	0.05	0	1641.0	67.1	0.05	0	1642.0	71.8	0.1	0	22
23	1639.4	60.0	0.1	0	1640.3	64.0	0.05	0	1641.0	67.1	0.05	0	1642.1	72.3	0.1	0	23
24	1639.4	60.0	0.1	0	1640.4	64.4	0.05	0	1641.0	67.1	0.05	0	1642.1	72.3	0.1	0	24
25	1639.5	60.4	0.1	0	1640.4	64.4	0.05	0	1641.0	67.1	0.05	0	1642.2	72.8	0.1	0	25
26	1639.6	60.9	0.1	0	1640.4	64.4	0.05	0	1641.0	67.1	0.05	0	1642.2	72.8	0.1	0	26
27	1639.6	60.9	0.1	0	1640.4	64.4	0.05	0	1641.0	67.1	0.05	0	1642.2	72.8	0.1	0	27
28	1639.6	60.9	0.1	0	1640.4	64.4	0.05	0	1641.1	67.6	0.05	0	1642.2	72.8	0.1	0	28
29	1639.6	60.9	0.1	0	1640.5	64.8	0.05	0	1641.1	67.6	0.05	0	1642.2	72.8	0.1	0	29
30	1639.7	61.3	0.1	0	1640.5	64.8	0.05	0	1641.1	67.6	0.05	0	1642.2	72.8	0.1	0	30
31	1639.7	61.3	0.1	0			L0.05		1641.1	67.6	L0.05	0	1642.3	73.3	0.1	0	31
TOTAL			3.3	0			2.30	0			1.90	0			3.20	0	
Inf. Ac. Ft.			6.5				4.6				3.8				6.3	21.3	
Outf. Ac. Ft.			0	+(1.4)			0	+(1.0)			0	+(1.0)			0 + (0.6)	0 + (4.0)	
Maximum Mean Daily Inflow			0.2				0.1				0.1				0.1	0.2	
Minimum Mean Daily Inflow			0.1				0.05				0.05				0.05	0.05	
Storage Change		+5.1				+3.5				+2.8				+8.7		+17.1	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1654.8	feet	on	4/11-13/59	Storage	152.9	Acre Feet		
Min. W. S. Elev.	1630.5	feet	on	4/17/59	Storage	30.5	Acre Feet		
Max. Peak Inf.	26.1	C.F.S. from	3:15 P.M.	on	2/16/59	to	3:30 P.M.	on	2/16/59
Max. Peak Outf.	28.0	C.F.S. from	8:00 A.M.	on	4/13/59	to	11:00 A.M.	on	4/13/59

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
D.E. WILSON	Dam Tender	Gage Hts. copied	RAP JPR TS	
R.J. SARASUA	Hydrographer	Storage applied	RAP JPR TS	
	Hydrographer	Inf. & Outf. comp.	RAP JPR TS	

REMARKS ( ) INDICATES EVAPORATION LOSSES
[INDICATES AVERAGE FOR PERIOD

76D138N-68B Glb 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of BIG DALTON Dam

In Big Dalton Canyon for the Year Ending September 30, 19 59

Continuous Water Stage Recorder Au

Drainage Area 4.49 Square Miles. Capacity of Reservoir 950.8 Ac. Ft. at Spillway Elev. 1706.0 Ft. as of October 19 58 Gage Heights Read daily

Day	February Gage Height	February Acre Ft. Storage	February C.F.S. Inflow	February C.F.S. Outflow	March Gage Height	March Acre Ft. Storage	March C.F.S. Inflow	March C.F.S. Outflow	April Gage Height	April Acre Ft. Storage	April C.F.S. Inflow	April C.F.S. Outflow	May Gage Height	May Acre Ft. Storage	May C.F.S. Inflow	May C.F.S. Outflow	Day
1	1642.3	733	0.05	0	1651.2	125.7	0.7	0	1654.2	148.1	0.3	0	1634.2	40.9	0.3	0	1
2	1642.3	733	0.05	0	1651.4	127.1	0.6	0	1654.3	148.9	0.3	0	1634.3	41.2	0.3	0	2
3	1642.4	738	0.1	0	1651.6	128.6	0.6	0	1654.3	148.9	0.3	0	1634.5	41.8	0.3	0	3
4	1642.4	738	0.1	0	1651.7	129.3	0.6	0	1654.3	148.9	0.3	0	1634.6	42.2	0.3	0	4
5	1642.4	738	0.1	0	1651.8	130.0	0.6	0	1654.4	149.7	0.3	0	1634.8	42.8	0.3	0	5
6	1642.4	738	0.2	0	1651.9	130.7	0.5	0	1654.5	150.5	0.3	0	1635.0	43.4	0.3	0	6
7	1642.5	743	0.2	0	1652.1	132.1	0.5	0	1654.6	151.3	0.3	0	1635.1	43.7	0.3	0	7
8	1642.6	748	0.2	0	1652.2	132.9	0.5	0	1654.6	151.3	0.3	0	1635.2	44.1	0.2	0	8
9	1642.7	753	0.2	0	1652.3	133.6	0.5	0	1654.7	152.1	0.3	0	1635.3	44.4	0.2	0	9
10	1642.8	758	0.3	0	1652.4	134.4	0.5	0	1654.7	152.1	0.2	0	1635.5	45.1	0.2	0	10
11	1643.1	773	0.7	0	1652.5	135.1	0.4	0	1654.8	152.9	0.2	0	1635.6	45.4	0.2	0	11
12	1643.2	778	0.3	0	1652.7	136.6	0.4	0	1654.8	152.9	0.2	0	1635.7	45.8	0.2	0	12
13	1643.3	783	0.2	0	1652.8	137.3	0.4	0	1651.9	130.7	0.8	120	1635.9	46.5	0.2	0	13
14	1643.4	788	0.3	0	1652.9	138.1	0.4	0	1647.6	102.3	0.7	150	1636.0	46.8	0.2	0	14
15	1643.5	794	0.3	0	1652.9	138.1	0.4	0	1642.7	75.3	1.4	150	1636.1	47.2	0.2	0	15
16	1645.9	922	6.4	0	1653.0	138.8	0.4	0	1636.5	48.6	1.5	150	1636.2	47.5	0.2	0	16
17	1647.0	986	3.3	0	1653.1	139.6	0.4	0	1630.7	31.0	1.2	100	1636.3	47.9	0.2	0	17
18	1647.7	1029	2.1	0	1653.2	140.3	0.4	0	1631.3	32.6	0.8	0	1636.4	48.2	0.2	0	18
19	1648.2	1060	1.6	0	1653.3	141.1	0.4	0	1631.7	33.6	0.6	0	1636.5	48.6	0.2	0	19
20	1648.7	1091	1.5	0	1653.4	141.9	0.3	0	1632.0	34.4	0.4	0	1636.6	49.0	0.2	0	20
21	1649.2	1123	1.7	0	1653.5	142.6	0.3	0	1632.3	35.3	0.4	0	1636.7	49.3	0.2	0	21
22	1649.5	1142	1.0	0	1653.5	142.6	0.3	0	1632.5	35.8	0.4	0	1636.8	49.7	0.2	0	22
23	1649.8	1162	1.0	0	1653.6	143.4	0.3	0	1632.7	36.4	0.3	0	1636.9	50.0	0.2	0	23
24	1650.1	1182	1.0	0	1653.6	143.4	0.3	0	1632.8	36.7	0.3	0	1637.0	50.4	0.2	0	24
25	1650.4	1202	1.0	0	1653.7	144.2	0.3	0	1633.1	37.6	0.3	0	1637.0	50.4	0.2	0	25
26	1650.6	1216	0.8	0	1653.8	145.0	0.3	0	1633.4	38.5	0.3	0	1637.1	50.8	0.2	0	26
27	1650.8	1229	0.7	0	1653.8	145.0	0.3	0	1633.6	39.1	0.3	0	1637.2	51.2	0.2	0	27
28	1651.0	1243	0.7	0	1653.9	145.7	0.3	0	1633.7	39.4	0.3	0	1637.3	51.5	0.2	0	28
29					1654.0	146.5	0.3	0	1633.9	40.0	0.3	0	1637.4	51.9	0.2	0	29
30					1654.1	147.3	0.3	0	1634.0	40.3	0.3	0	1637.5	52.3	0.2	0	30
31					1654.1	147.3	0.3	0					1637.6	52.7	0.2	0	31
TOTAL			26.10	0			12.8	0			13.9	670			6.9	0	
Inf. Ac. Ft.			51.8				25.4				27.6				13.7	139.7	
Outf. Ac. Ft.			0 + (0.8)				0 + (2.4)				1329 + (1.6)				0 + (1.2)	132.9 + (10.0)	
Maximum Mean Daily Inflow			6.4				0.7				1.5				0.3	6.4	
Minimum Mean Daily Inflow			0.05				0.3				0.2				0.2	0.05	
Storage Change			+51.0				+23.0				-107.0				+12.4	-3.5	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1654.8	feet	on	4/11-13/59	Storage	152.9	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	1630.5	feet	on	4/17/59	Storage	30.5	Acre Feet	D.E. WILSON	Dam Tender	Gage Hts. copied	RAP JPR TS
Max. Peak Inf.	26.1	C.F.S. from	3:15 P.M.	on	2/16/59	to	3:30 P.M.	on	2/16/59	R.J. SARASUA	Hydrographer	Storage applied	RAP JPR TS
Max. Peak Outf.	28.0	C.F.S. from	8:00 A.M.	on	4/13/59	to	11:00 A.M.	on	4/13/59		Hydrographer	Inf. & Outf. comp.	RAP JPR TS

REMARKS ( ) INDICATES EVAPORATION LOSSES
[INDICATES AVERAGE FOR PERIOD

76D138N-68B Glb 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of BIG DALTON Dam

In Big Dalton Canyon for the Year Ending September 30, 19 59

Continuous Water Stage Recorder Au

Drainage Area 4.49 Square Miles. Capacity of Reservoir 950.8 Ac. Ft. at Spillway Elev. 1706.0 Ft. as of october 19 58 Gage Heights Read daily

Day	June Gage Height	June Acre Ft. Storage	June C.F.S. Inflow	June C.F.S. Outflow	July Gage Height	July Acre Ft. Storage	July C.F.S. Inflow	July C.F.S. Outflow	August Gage Height	August Acre Ft. Storage	August C.F.S. Inflow	August C.F.S. Outflow	September Gage Height	September Acre Ft. Storage	September C.F.S. Inflow	September C.F.S. Outflow	Day
1	1637.7	531	0.2	0	1639.4	600	0.08	0	1639.9	622	0.07	0	1640.2	635	0.04	0	1
2	1637.7	531	0.2	0	1639.4	600	0.08	0	1640.0	626	0.07	0	1640.2	635	0.04	0	2
3	1637.8	534	0.2	0	1639.5	604	0.08	0	1640.0	626	0.07	0	1640.2	635	0.04	0	3
4	1637.9	538	0.2	0	1639.5	604	0.08	0	1640.0	626	0.07	0	1640.2	635	0.04	0	4
5	1638.0	542	0.2	0	1639.5	604	0.08	0	1640.0	626	0.06	0	1640.2	635	0.04	0	5
6	1638.0	542	0.2	0	1639.6	609	0.08	0	1640.0	626	0.06	0	1640.2	635	0.04	0	6
7	1638.1	546	0.2	0	1639.6	609	0.08	0	1640.1	630	0.06	0	1640.2	635	0.04	0	7
8	1638.2	550	0.2	0	1639.6	609	0.08	0	1640.1	630	0.06	0	1640.2	635	0.04	0	8
9	1638.3	554	0.2	0	1639.6	609	0.08	0	1640.1	630	0.06	0	1640.2	635	0.04	0	9
10	1638.3	554	0.2	0	1639.6	609	0.08	0	1640.0	622	0.06	0	1640.2	635	0.04	0	10
11	1638.4	558	0.2	0	1639.6	609	0.08	0	1640.0	622	0.06	0	1640.2	635	0.04	0	11
12	1638.5	562	0.2	0	1639.7	613	0.08	0	1640.1	630	0.06	0	1640.2	635	0.04	0	12
13	1638.6	567	0.2	0	1639.7	613	0.08	0	1640.1	630	0.06	0	1640.2	635	0.04	0	13
14	1638.6	567	0.2	0	1639.7	613	0.08	0	1640.1	630	0.06	0	1640.2	635	0.04	0	14
15	1638.6	567	0.2	0	1639.7	613	0.08	0	1640.1	630	0.06	0	1640.2	635	0.04	0	15
16	1638.7	571	0.2	0	1639.8	617	0.08	0	1640.1	630	0.06	0	1640.2	635	0.04	0	16
17	1638.7	571	0.1	0	1639.8	617	0.08	0	1640.1	630	0.06	0	1640.2	635	0.04	0	17
18	1638.8	575	0.1	0	1639.8	617	0.08	0	1640.1	630	0.06	0	1640.2	635	0.04	0	18
19	1638.8	575	0.1	0	1639.8	617	0.08	0	1640.2	635	0.06	0	1640.2	635	0.04	0	19
20	1638.9	579	0.1	0	1639.8	617	0.08	0	1640.2	635	0.06	0	1640.2	635	0.04	0	20
21	1639.0	583	0.1	0	1639.8	617	0.08	0	1640.2	635	0.06	0	1640.2	635	0.03	0	21
22	1639.0	583	0.1	0	1639.9	622	0.08	0	1640.2	635	0.06	0	1640.2	635	0.03	0	22
23	1639.0	583	0.1	0	1639.9	622	0.08	0	1640.2	635	0.06	0	1640.2	635	0.03	0	23
24	1639.1	587	0.1	0	1639.9	622	0.07	0	1640.2	635	0.06	0	1640.3	640	0.03	0	24
25	1639.1	587	0.1	0	1639.9	622	0.07	0	1640.2	635	0.06	0	1640.3	640	0.03	0	25
26	1639.2	592	0.1	0	1639.9	622	0.07	0	1640.2	635	0.06	0	1640.3	640	0.03	0	26
27	1639.2	592	0.1	0	1639.9	622	0.07	0	1640.2	635	0.06	0	1640.3	640	0.03	0	27
28	1639.3	596	0.1	0	1639.9	622	0.07	0	1640.2	635	0.06	0	1640.3	640	0.03	0	28
29	1639.3	596	0.1	0	1639.9	622	0.07	0	1640.2	635	0.06	0	1640.3	640	0.03	0	29
30	1639.4	600	0.1	0	1639.9	622	0.07	0	1640.2	635	0.06	0	1640.3	640	0.03	0	30
31					1639.9	622	0.07	0	1640.2	635	0.06	0					31
TOTAL			4.6	0			2.40	0			1.90	0			1.10	0	
Inf. Ac. Ft.			9.1				4.8				3.8				2.2	159.6	
Outf. Ac. Ft.			0 + (1.8)				0 + (2.6)				0 + (2.4)				0 + (1.6)	132.9 + (18.4)	
Maximum Mean Daily Inflow			0.2				0.08				0.07				0.04	6.4	
Minimum Mean Daily Inflow			0.1				0.07				0.06				0.03	0.03	
Storage Change			+7.5				+2.2				+1.3				+0.5	+7.8	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1654.8	feet	on	4/11,12,13,59	Storage	152.9	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	1630.5	feet	on	4/17/59	Storage	30.5	Acre Feet	D.E. WILSON	Dam Tender	Gage Hts. copied	RAP JPR TS
Max. Peak Inf.	26.1	C.F.S. from	3:15 P.M.	on	2/16/59	to	3:30 P.M.	on	2/16/59	R.J. SARASUA	Hydrographer	Storage applied	RAP JPR TS
Max. Peak Outf.	28.0	C.F.S. from	8:00 A.M.	on	4/13/59	to	11:00 A.M.	on	4/13/59		Hydrographer	Inf. & Outf. comp.	RAP JPR TS

REMARKS ( ) INDICATES EVAPORATION LOSSES
[INDICATES AVERAGE FOR PERIOD

76D138N-68B Glb 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAN DIMAS Dam

In ~~Dr~~ San Dimas Canyon for the Year Ending September 30, 19 58

Continuous Water Stage Recorder Au

Drainage Area 16.2 Square Miles. Capacity of Reservoir 1025.3 Ac. Ft. at Spillway Elev. 1462.0 Ft. as of October, 1954 Gage Heights Read Daily

Day	October Gage Height	October Acre Ft. Storage	October C.F.S. Inflow	October C.F.S. Outflow	November Gage Height	November Acre Ft. Storage	November C.F.S. Inflow	November C.F.S. Outflow	December Gage Height	December Acre Ft. Storage	December C.F.S. Inflow	December C.F.S. Outflow	January Gage Height	January Acre Ft. Storage	January C.F.S. Inflow	January C.F.S. Outflow	Day
1	1413.4	829	0.1	0	1415.0	923	0.2	0	1416.4	1011	0.4	0	1435.2	2901	0.7	2.2	1
2	1413.4	829	0.1	0	1415.2	935	0.2	0	1416.4	1011	0	0	1435.0	2873	1.2	2.6	2
3	1413.5	834	0.1	0	1415.3	942	0.2	0	1416.4	1011	0	0	1434.7	2832	1.0	3.0	3
4	1413.5	834	0.1	0	1415.4	948	0.2	0	1417.5	1084	3.6	0	1434.4	2791	0.7	2.8	4
5	1413.6	840	0.1	0	1415.4	948	0.2	0	1417.4	1077	0	0.3	1434.2	2764	1.4	2.8	5
6	1413.6	840	0.1	0	1415.5	954	0.2	0	1417.7	1096	1.0	0	1433.9	2724	0.8	2.8	6
7	1413.7	846	0.1	0	1415.5	954	0.2	0	1417.9	1111	0.7	0	1433.6	2685	1.0	3.0	7
8	1413.7	846	0.1	0	1415.6	960	0.2	0	1418.0	1116	0.3	0	1433.3	2645	1.0	3.0	8
9	1413.7	846	0.2	0	1415.6	960	0.2	0	1418.1	1125	0.4	0	1433.0	2606	1.1	3.0	9
10	1413.8	852	0.2	0	1415.6	960	0.2	0	1418.2	1132	0.4	0	1432.7	2568	1.0	3.0	10
11	1414.0	863	0.5	0	1415.7	966	0.2	0	1418.3	1139	0.3	0	1432.4	2530	1.1	3.0	11
12	1414.0	863	0.2	0	1415.7	966	0.1	0	1418.4	1146	0.4	0	1432.1	2493	1.0	3.0	12
13	1414.1	869	0.1	0	1415.8	973	0.1	0	1418.4	1146	0	0	1432.1	2493	1.0	2.6	13
14	1414.2	875	0.3	0	1415.8	973	0.1	0	1418.5	1153	0.3	0	1432.2	2505	0.6	1.0	14
15	1414.2	875	0.2	0	1415.8	973	0.1	0	1421.5	1385	11.7	0	1432.4	2530	1.2	0	15
16	1414.3	881	0.1	0	1415.8	973	0.1	0	1428.0	2018	31.9	0	1432.5	2543	0.7	0	16
17	1414.3	881	0.1	0	1415.9	979	0.1	0	1433.8	2711	35.0	0	1432.6	2556	0.6	0	17
18	1414.4	887	0.1	0	1415.9	979	0.1	0	1434.9	2859	7.4	0	1432.7	2568	0.6	0	18
19	1414.4	887	0.1	0	1416.0	985	0.1	0	1435.5	2944	4.3	0	1432.8	2581	0.7	0	19
20	1414.5	893	0.3	0	1416.0	985	0.1	0	1435.9	3001	2.9	0	1432.9	2593	0.6	0	20
21	1414.5	893	0.2	0	1416.0	985	0.1	0	1436.2	3045	2.2	0	1433.0	2606	0.7	0	21
22	1414.6	899	0.2	0	1416.1	992	0.1	0	1436.5	3090	2.3	0	1433.1	2619	0.6	0	22
23	1414.6	899	0.1	0	1416.1	992	0.1	0	1436.7	3121	1.5	0	1433.2	2632	0.7	0	23
24	1414.7	905	0.1	0	1416.1	992	0.1	0	1436.6	3106	1.3	2.0	1433.3	2645	0.6	0	24
25	1414.7	905	0.1	0	1416.2	998	0.1	0	1436.4	3075	1.2	2.8	1433.8	2711	3.4	0	25
26	1414.7	905	0.1	0	1416.2	998	0.1	0	1436.3	3060	1.7	2.4	1437.4	3231	26.2	0	26
27	1414.8	911	0.1	0	1416.2	998	0.1	0	1436.1	3030	0.8	2.4	1438.2	3363	6.6	0	27
28	1414.8	911	0.1	0	1416.2	998	0.1	0	1436.0	3015	1.5	2.2	1438.7	3452	4.5	0	28
29	1414.8	911	0.1	0	1416.3	1004	0.1	0	1435.8	2987	0.8	2.2	1439.1	3524	3.6	0	29
30	1414.9	917	0.1	0	1416.3	1004	0.1	0	1435.6	2958	0.7	2.2	1439.5	3602	4.0	0	30
31	1415.0	923	0.3	0					1435.4	2930	0.6	2.2	1439.7	3640	1.9	0	31
TOTAL			4.7	0			4.1	0			115.8	18.7			70.8	35.0	
Inf. Ac. Ft.			9.3				8.1				229.7				140.4	387.5	
Outf. Ac. Ft.			0				0				37.1				69.4	106.5	
Maximum Mean Daily Inflow			0.5				0.2				35.0				26.2	35.0	
Minimum Mean Daily Inflow			0.1				0.1				0				0.6	0	
Storage Change		+ 9.4				+8.1				+192.6				+71.0		-231.1	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1461.2	feet	on	VAR. DAYS	Storage	995.9	Acre Feet				
Min. W. S. Elev.	1413.4	feet	on	10/1 & 2/57	Storage	82.9	Acre Feet				
Max. Peak Inf.	753.	C.F.S. from	8:00 A.M.	on	4/3/58	to	9:00 A.M.	on	4/3/58		
Max. Peak Outf.	270.	C.F.S. from	7:00 P.M.	on	4/3/58	to	8:00 P.M.	on	4/3/58		
REMARKS	(INDICATES AVERAGE FOR PERIOD										

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
A.R. BLEEMERS	Dam Tender	Gage Hts. copied	RAP	JPR
R.J. SARASUA	Hydrographer	Storage applied	JPR	FES
	Hydrographer	Inf. & Outf. comp.	FES	RAP

76D138N-68B Glb 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAN DIMAS Dam

In ~~Dr~~ San Dimas Canyon for the Year Ending September 30, 19 58

Continuous Water Stage Recorder Au

Drainage Area 16.2 Square Miles. Capacity of Reservoir 1025.3 Ac. Ft. at Spillway Elev. 1462.0 Ft. as of October, 1954 Gage Heights Read daily

Day	February Gage Height	February Acre Ft. Storage	February C.F.S. Inflow	February C.F.S. Outflow	March Gage Height	March Acre Ft. Storage	March C.F.S. Inflow	March C.F.S. Outflow	April Gage Height	April Acre Ft. Storage	April C.F.S. Inflow	April C.F.S. Outflow	May Gage Height	May Acre Ft. Storage	May C.F.S. Inflow	May C.F.S. Outflow	Day
1	1439.9	3679	2.0	0	1438.3	3381	8.4	0	1450.2	6303	156.3	24.0	1459.9	9488	12.8	9.3	1
2	1440.2	3739	3.0	0	1439.1	3524	7.2	0	1452.2	6913	110.7	80.0	1460.2	9596	14.6	9.3	2
3	1440.7	3842	13.8	8.6	1439.8	3659	6.8	0	1458.5	8994	299.0	194.0	1460.4	9669	13.0	9.3	3
4	1448.3	5749	161.1	65.0	1440.4	3780	6.1	0	1454.0	7482	143.7	220.0	1460.5	9705	11.1	9.3	4
5	1446.0	5111	61.9	94.0	1441.0	3903	6.2	0	1451.8	6789	96.1	131.0	1460.7	9777	12.9	9.3	5
6	1440.8	3862	21.0	84.0	1442.1	4145	12.2	0	1450.2	6303	79.5	104.0	1460.8	9814	11.2	9.3	6
7	1439.7	3640	16.8	28.0	1441.4	3991	9.2	17.0	1450.4	6363	121.0	118.0	1460.9	9850	11.4	9.6	7
8	1440.8	3862	11.2	0	1440.4	3780	8.2	18.8	1450.6	6423	84.0	81.0	1461.0	9886	11.6	10.0	8
9	1441.7	4056	9.8	0	1441.1	3925	7.3	0	1449.8	6184	69.0	81.0	1461.0	9886	10.0	10.0	9
10	1442.4	4214	7.9	0	1441.9	4100	8.6	0	1450.1	6273	62.5	58.0	1461.0	9886	10.0	10.0	10
11	1442.7	4283	6.8	3.3	1442.7	4283	9.2	0	1452.2	6913	53.2	21.0	1461.1	9923	11.9	10.0	11
12	1442.6	4260	5.7	6.8	1443.4	4449	8.4	0	1453.8	7418	46.5	21.0	1461.2	9959	11.4	9.6	12
13	1442.4	4214	5.3	7.7	1444.1	4619	8.6	0	1455.0	7807	40.6	21.0	1461.2	9959	9.6	9.6	13
14	1442.2	4168	5.4	7.7	1444.3	4670	8.0	5.4	1455.8	8072	34.4	21.0	1461.2	9959	9.6	9.6	14
15	1442.0	4122	5.4	7.7	1441.1	3925	15.4	53.0	1456.4	8273	32.1	22.0	1461.2	9959	9.3	9.3	15
16	1441.8	4078	5.5	7.7	1443.6	4497	70.8	42.0	1456.0	8138	33.2	40.0	1461.1	9923	7.8	9.6	16
17	1441.5	4012	4.5	7.7	1444.4	4696	35.1	25.0	1455.4	7939	31.0	41.0	1461.0	9886	7.4	9.3	17
18	1441.0	3903	4.4	10.0	1444.6	4746	27.5	25.0	1455.4	7939	27.0	27.0	1460.9	9850	7.2	9.0	18
19	1437.5	3247	22.9	56.0	1444.3	4670	21.2	25.0	1455.4	7939	27.0	27.0	1460.9	9850	8.7	8.7	19
20	1435.4	2930	13.0	29.0	1443.3	4425	20.6	33.0	1455.2	7873	23.6	27.0	1460.8	9814	6.9	8.7	20
21	1434.9	2859	8.4	12.0	1442.4	4214	24.4	35.0	1455.2	7873	21.0	21.0	1460.7	9777	6.8	8.7	21
22	1435.2	2901	7.4	5.3	1443.1	4376	37.1	29.0	1456.0	8138	22.4	9.0	1460.7	9777	7.2	7.2	22
23	1436.1	3030	6.5	0	1443.1	4376	28.0	28.0	1456.5	8307	17.8	9.3	1460.7	9777	6.9	6.9	23
24	1436.7	3121	4.6	0	1442.7	4283	23.3	28.0	1457.0	8476	18.1	9.6	1460.8	9814	6.8	6.9	24
25	1437.7	3279	19.0	11.0	1442.2	4168	21.2	27.0	1457.5	8648	18.3	9.6	1460.8	9814	6.6	6.6	25
26	1436.6	3106	11.3	20.0	1441.5	4012	19.2	27.0	1458.0	8819	18.2	9.6	1460.8	9814	6.6	6.6	26
27	1436.0	3015	14.4	19.0	1441.4	3991	24.9	26.0	1458.3	8924	14.6	9.3	1460.9	9850	8.2	6.4	27
28	1437.3	3215	10.1	0	1440.8	3862	19.5	26.0	1458.9	9134	17.3	6.7	1460.9	9850	6.4	6.4	28
29					1440.1	3718	18.8	26.0	1459.4	9311	13.9	5.0	1461.0	9886	8.2	6.4	29
30					1439.2	3544	17.2	26.0	1459.7	9418	14.7	9.3	1461.0	9886	6.1	6.1	30
31					1439.9	3679	15.5	8.7					1461.0	9886	5.8	5.8	31
TOTAL			469.1	490.5			554.3	530.9			1746.7	1457.4			286.4	262.8	
Inf. Ac. Ft.			930.4				1099.4				3464.5				568.1	6449.9	
Outf. Ac. Ft.			972.9				1053.0				2890.7				521.3	5544.4	
Maximum Mean Daily Inflow			161.1				70.8				299.0				14.8	299.0	
Minimum Mean Daily Inflow			2.0				6.1				14.6				5.8	0	
Storage Change		- 42.5				+46.4				+573.9				+46.8		+905.7	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1461.2	feet	on	VAR. DAYS	Storage	995.9	Acre Feet				
Min. W. S. Elev.	1413.4	feet	on	10/1 & 2/57	Storage	82.9	Acre Feet				
Max. Peak Inf.	753.	C.F.S. from	8:00 A.M.	on	4/3/58	to	9:00 A.M.	on	4/3/58		
Max. Peak Outf.	270	C.F.S. from	7:00 P.M.	on	4/3/58	to	8:00 P.M.	on	4/3/58		
REMARKS											

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
A.R. BLEEMERS	Dam Tender	Gage Hts. copied	RAP	JPR
R.J. SARASUA	Hydrographer	Storage applied	JPR	FES
	Hydrographer	Inf. & Outf. comp.	FES	RAP

76D138N-68B Clb 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAN DIMAS Dam

In ~~On~~ San Dimas Canyon for the Year Ending September 30, 19 58

Continuous Water Stage Recorder Au

Drainage Area 16.2 Square Miles. Capacity of Reservoir 1025.3 Ac. Ft. at Spillway Elev. 1462.0 Ft. as of October 19 54 Gage Heights Read Daily

Day	June Gage Height	June Acre Ft. Storage	June C.F.S. Inflow	June C.F.S. Outflow	July Gage Height	July Acre Ft. Storage	July C.F.S. Inflow	July C.F.S. Outflow	August Gage Height	August Acre Ft. Storage	August C.F.S. Inflow	August C.F.S. Outflow	September Gage Height	September Acre Ft. Storage	September C.F.S. Inflow	September C.F.S. Outflow	Day
1	1461.0	988.6	5.6	5.6	1460.1	956.0	1.9	3.7	1455.8	807.2	0.7	3.7	1449.9	621.4	0.1	3.4	1
2	1461.1	992.3	7.2	5.3	1460.0	952.4	1.9	3.7	1455.6	800.6	0.7	3.6	1449.6	612.6	+	3.4	2
3	1461.1	992.3	5.0	5.0	1459.9	948.8	1.9	3.7	1455.4	793.9	0.7	3.6	1449.4	606.7	0.1	3.4	3
4	1461.2	995.9	6.2	4.4	1459.8	945.3	1.9	3.7	1455.2	787.3	0.7	3.6	1449.2	600.9	+	3.4	4
5	1461.2	995.9	4.4	4.4	1459.7	941.8	1.9	3.7	1455.0	780.7	0.7	3.6	1449.0	595.0	+	3.4	5
6	1461.2	995.9	4.4	4.4	1459.6	938.2	1.9	3.7	1454.9	777.4	0.7	3.6	1448.7	586.4	0.1	3.4	6
7	1461.2	995.9	4.4	4.4	1459.5	934.6	1.9	3.7	1454.7	771.0	0.7	3.6	1448.5	580.6	+	3.6	7
8	1461.2	995.9	4.4	4.4	1459.3	927.6	1.1	3.7	1454.6	767.7	0.7	3.6	1448.3	574.9	0.1	3.6	8
9	1461.2	995.9	4.3	4.3	1459.2	924.0	1.1	3.7	1454.4	761.2	0.7	3.6	1448.0	566.3	+	3.7	9
10	1461.2	995.9	4.0	4.0	1459.1	920.4	1.1	3.7	1454.2	754.7	0.7	3.8	1447.8	560.7	+	3.7	10
11	1461.2	995.9	4.0	4.0	1458.9	913.4	1.0	3.7	1454.0	748.2	0.7	3.8	1447.5	552.3	0.1	3.7	11
12	1461.2	995.9	4.0	4.0	1458.8	909.9	1.0	3.7	1453.8	741.8	0.7	4.0	1447.3	546.7	+	3.8	12
13	1461.2	995.9	4.0	4.0	1458.6	902.9	1.0	3.7	1453.6	735.4	0.7	4.0	1447.0	538.3	0.1	3.8	13
14	1461.2	995.9	4.0	4.0	1458.5	899.4	1.0	3.6	1453.4	729.1	0.7	4.0	1446.7	530.1	+	4.9	14
15	1461.2	995.9	4.0	4.0	1458.3	892.4	1.0	3.4	1453.3	725.9	0.7	4.0	1446.2	516.5	+	5.8	15
16	1461.1	992.3	2.0	3.8	1458.2	888.9	1.0	3.4	1453.1	719.5	0.8	4.0	1445.7	503.2	0.1	5.8	16
17	1461.1	992.3	3.8	3.8	1458.1	885.4	1.0	3.4	1453.0	716.3	0.8	3.8	1445.2	490.1	+	5.8	17
18	1461.1	992.3	3.8	3.8	1457.9	878.5	1.0	3.4	1452.8	710.0	0.8	3.8	1444.7	477.2	+	5.8	18
19	1461.0	988.6	1.9	3.8	1457.8	875.0	1.0	3.4	1452.6	703.8	0.8	3.7	1444.2	464.5	+	5.8	19
20	1461.0	988.6	3.8	3.8	1457.6	868.2	1.0	3.4	1452.4	697.5	0.8	3.7	1443.7	452.1	+	5.8	20
21	1460.9	985.0	2.0	3.8	1457.5	864.8	1.0	3.7	1452.2	691.3	0.8	3.7	1443.2	440.0	0.1	5.8	21
22	1460.9	985.0	3.8	3.8	1457.3	857.9	1.0	3.7	1452.0	685.0	0.8	3.7	1442.7	428.3	+	3.8	22
23	1460.8	981.4	2.0	3.8	1457.2	854.5	1.0	3.7	1451.9	681.9	0.8	3.7	1442.3	419.1	+	5.0	23
24	1460.7	977.7	1.9	3.8	1457.0	847.6	1.0	3.7	1451.7	675.8	0.8	3.7	1442.0	412.2	+	4.3	24
25	1460.7	977.7	3.6	3.6	1456.9	844.2	1.0	3.7	1451.4	666.6	0.8	3.7	1441.7	405.6	+	4.3	25
26	1460.6	974.1	1.8	3.6	1456.7	837.5	1.0	3.7	1451.2	660.4	0.8	3.7	1441.3	396.9	0.1	4.3	26
27	1460.5	970.5	1.8	3.6	1456.6	834.1	1.0	3.7	1451.0	654.3	0.8	3.7	1440.9	388.2	+	4.3	27
28	1460.4	966.9	1.8	3.6	1456.4	827.3	1.0	3.7	1450.8	648.3	0.8	3.7	1440.6	382.1	+	4.3	28
29	1460.3	963.3	1.7	3.6	1456.3	823.9	1.0	3.7	1450.6	642.3	0.8	3.7	1440.2	373.9	+	4.3	29
30	1460.2	959.6	1.8	3.6	1456.1	817.2	1.0	3.7	1450.3	633.3	0.8	3.7	1439.8	365.9	+	4.3	30
31					1455.9	810.5	1.0	3.7	1450.1	627.3	0.8	3.4					31
TOTAL			107.4	122.0			37.6	112.8			23.3	115.7			0.9	132.7	
Inf. Ac. Ft.			2130				74.6				46.2				1.8	5785.5	
Outf. Ac. Ft.			2420				2237				2295				263.2	5502.8	
Maximum Mean Daily Inflow			7.2				1.9				0.8				0.1	299.0	
Minimum Mean Daily Inflow			1.7				1.0				0.7				+	+	
Storage Change		-290				-149.1				-183.2				-261.4		+2830	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1461.2	feet	on	VAR. DAYS	Storage	995.9	Acre Feet	RECORDS COLLECTED BY			COMPUTATIONS	ckd. Date
Min. W. S. Elev.	1413.4	feet	on	10/1 & 2 /57	Storage	82.9	Acre Feet	A.R. BLEEMERS	Dam Tender		Gage Hts. copied	RAP JPR
Max. Peak Inf.	753.	C.F.S. from	8:00 A.M.	on	4/3/58	to	9:00 P.M. on	4/3/58	R.J. SARASUA	Hydrographer		Storage applied	JPR FES
Max. Peak Outf.	270.	C.F.S. from	7:00 P.M.	on	4/3/58	to	8:00 P.M. on	4/3/58		Hydrographer		Inf. & Outf. comp.	FES RAP

REMARKS (INDICATES AVERAGE FOR PERIOD

76D138N-68B Clb 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAN DIMAS Dam

In ~~On~~ SAN Dimas Canyon for the Year Ending September 30, 19 59

Continuous Water Stage Recorder Au

Drainage Area 16.2 Square Miles. Capacity of Reservoir 1025.3 Ac. Ft. at Spillway Elev. 1462.0 Ft. as of October 19 54 Gage Heights Read daily

Day	October Gage Height	October Acre Ft. Storage	October C.F.S. Inflow	October C.F.S. Outflow	November Gage Height	November Acre Ft. Storage	November C.F.S. Inflow	November C.F.S. Outflow	December Gage Height	December Acre Ft. Storage	December C.F.S. Inflow	December C.F.S. Outflow	January Gage Height	January Acre Ft. Storage	January C.F.S. Inflow	January C.F.S. Outflow	Day
1	1439.4	358.2	0.3	4.3	1423.4	155.3	0.5	3.4	1410.0	64.6	1.1	0	1415.1	92.9	1.0	3.2	1
2	1439.0	350.5	0.3	4.3	1422.8	149.8	0.5	3.4	1410.4	66.7	1.1	0	1414.4	88.7	1.1	3.2	2
3	1438.5	341.6	0.3	4.0	1422.2	144.5	0.6	3.4	1410.8	68.8	1.0	0	1413.7	84.6	1.1	3.2	3
4	1438.0	332.8	0.3	4.0	1421.5	138.5	0.6	3.4	1411.2	70.9	1.0	0	1413.1	81.2	1.5	3.2	4
5	1437.5	324.7	0.3	3.8	1420.8	132.7	0.6	3.4	1411.6	73.0	1.0	0	1412.6	78.4	1.8	3.2	5
6	1437.1	318.2	0.3	3.7	1420.2	127.9	0.7	3.4	1412.0	75.1	1.0	0	1416.6	102.4	14.1	2.0	6
7	1436.7	312.1	0.3	3.7	1419.4	121.8	0.7	3.4	1412.3	76.8	1.0	0	1417.5	108.4	3.0	0	7
8	1436.3	306.0	0.3	3.6	1418.6	116.0	0.7	3.4	1412.7	79.0	1.0	0	1418.2	113.2	2.4	0	8
9	1435.9	300.1	0.3	3.6	1417.9	111.1	0.7	3.4	1413.0	80.6	1.0	0	1418.7	116.7	1.7	0	9
10	1435.4	293.0	0.3	3.6	1417.2	106.4	0.8	3.3	1413.4	82.9	1.0	0	1419.2	120.3	1.7	0	10
11	1434.9	285.9	0.3	3.5	1416.6	102.4	1.2	3.3	1413.7	84.6	0.8	0	1419.7	124.0	1.7	0	11
12	1434.4	279.1	0.3	3.5	1416.0	98.5	1.2	3.3	1413.9	85.7	0.8	0	1420.1	127.1	1.6	0	12
13	1433.9	272.4	0.3	3.4	1415.4	94.8	1.2	3.2	1414.0	86.3	0.8	0.4	1420.5	130.3	1.6	0	13
14	1433.4	265.8	0.3	3.4	1414.9	91.7	1.2	3.2	1414.1	86.9	0.8	0.4	1420.9	133.5	1.6	0	14
15	1432.9	259.3	0.3	3.4	1414.2	87.5	1.3	3.2	1414.2	87.5	0.8	0.4	1421.2	136.0	1.6	0	15
16	1432.4	253.0	0.3	3.4	1413.6	84.0	1.3	3.1	1414.4	88.7	0.8	0.3	1421.6	139.3	1.4	0	16
17	1431.8	245.6	0.3	3.4	1413.0	80.6	1.3	3.1	1414.5	89.3	0.7	0.3	1421.9	141.9	1.4	0	17
18	1431.2	238.3	0.3	3.7	1412.3	76.8	1.3	3.0	1414.7	90.5	0.7	0.3	1422.2	144.5	1.4	0	18
19	1430.6	231.2	0.2	3.4	1411.6	73.0	1.3	3.0	1414.8	91.1	0.7	0.6	1422.5	147.2	1.4	0	19
20	1430.1	225.4	0.2	3.4	1410.9	69.3	1.3	2.9	1414.8	91.1	0.7	0.7	1422.9	150.7	1.4	0	20
21	1429.5	218.5	0.2	3.4	1410.2	65.6	1.1	2.9	1414.9	91.7	0.9	0.7	1423.2	153.5	1.4	0	21
22	1429.0	212.8	0.2	3.4	1409.4	61.7	1.1	2.9	1414.9	91.7	0.9	0.6	1423.4	155.3	1.4	0	22
23	1428.4	206.2	0.2	3.4	1408.6	57.8	1.0	3.0	1415.0	92.3	1.0	0.6	1423.7	158.1	1.4	0	23
24	1427.9	200.7	0.2	3.4	1407.6	53.2	1.0	3.0	1415.2	93.5	1.0	0.7	1424.0	160.9	1.4	0	24
25	1427.4	195.4	0.2	3.4	1407.4	52.2	1.0	1.8	1415.3	94.2	1.0	0.7	1424.3	163.8	1.4	0	25
26	1426.9	190.1	0.2	3.5	1407.8	54.1	1.0	0	1415.5	95.4	1.1	0.6	1424.6	166.7	1.4	0	26
27	1426.4	184.9	0.2	3.5	1408.3	56.4	1.0	0	1415.7	96.6	1.1	0.6	1424.8	168.7	1.4	0	27
28	1425.9	179.7	0.2	3.5	1408.8	58.8	1.0	0	1415.9	97.9	1.2	0.6	1425.1	171.6	1.3	0	28
29	1425.3	173.6	0.2	3.6	1409.2	60.7	1.0	0	1416.1	99.2	1.2	0.5	1425.4	174.6	1.3	0	29
30	1424.7	167.7	0.2	3.6	1409.6	62.6	1.0	0	1416.2	99.8	1.2	0.8	1425.6	176.7	1.3	0	30
31	1424.0	160.9	0.2	3.6					1415.8	97.3	1.2	2.3	1425.9	179.7	1.3	0	31
TOTAL			8.0	111.4			29.2	78.8			29.6	12.1			59.5	18.0	
Inf. Ac. Ft.			159				57.9				58.7				118.0	250.5	
Outf. Ac. Ft.			2210				156.3				24.0				35.7	437.0	
Maximum Mean Daily Inflow			0.3				1.3				1.2				14.1	14.1	
Minimum Mean Daily Inflow			0.2				0.5				0.7				1.0	0.2	
Storage Change		-205.0				-98.3				+34.7				+82.4		-186.2	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1442.3	feet	on	VARIOUS DAYS	Storage	419.1	Acre Feet	RECORDS COLLECTED BY			COMPUTATIONS	ckd. Date
Min. W. S. Elev.	1407.0	feet	on	9/10/59	Storage	50.4	Acre Feet	A.R. BLEEMERS	Dam Tender		Gage Hts. copied	HRW TS
Max. Peak Inf.	189.0	C.F.S. from	5:45 P.M.	on	2/16/59	to	6:00 P.M. on	2/16/59	R.J. SARASUA	Hydrographer		Storage applied	TS RAP
Max. Peak Outf.	20.0	C.F.S. from	12:00 N.	on	2/18/59	to	4:00 P.M. on	2/18/59		Hydrographer		Inf. & Outf. comp.	TS RAP

REMARKS (INDICATES AVERAGE FOR PERIOD

76D138N-68B Gb 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAN DIMAS Dam

In San Dimas Canyon for the Year Ending September 30, 1959

Drainage Area 16.2 Square Miles. Capacity of Reservoir 1025.3 Ac. Ft. at Spillway Elev. 1462.0 Ft. as of October 1954

Continuous Water Stage Recorder Au

Gage Heights Read daily

Day	February Gage Height	February Acre Ft. Storage	February C.F.S. Inflow	February C.F.S. Outflow	March Gage Height	March Acre Ft. Storage	March C.F.S. Inflow	March C.F.S. Outflow
1	1426.1	181.7	1.2	0	1440.2	373.9	3.0	0
2	1426.4	184.9	1.3	0	1440.4	378.0	1.9	0
3	1426.6	186.9	1.3	0	1440.6	382.1	1.9	0
4	1426.9	190.1	1.3	0	1440.8	386.2	1.9	0
5	1427.1	192.2	1.3	0	1441.0	390.3	1.9	0
6	1427.3	194.3	1.3	0	1441.2	394.7	1.9	0
7	1427.6	197.5	1.3	0	1441.4	399.1	1.9	0
8	1428.5	207.3	4.9	0	1441.6	403.4	1.9	0
9	1428.9	211.7	2.2	0	1441.8	407.8	1.9	0
10	1429.2	215.1	1.7	0	1441.9	410.0	1.9	0
11	1432.8	258.1	21.7	0	1442.0	412.2	1.9	0
12	1434.0	273.7	7.9	0	1442.2	416.8	1.9	0
13	1434.6	281.9	4.1	0	1442.3	419.1	1.8	0
14	1435.0	287.3	2.7	0	1442.3	419.1	1.6	0.8
15	1435.4	293.0	2.9	0	1442.3	419.1	1.6	2.2
16	1439.4	358.2	37.3	4.4	1442.2	416.8	1.6	2.2
17	1438.8	347.0	13.3	19.0	1442.2	416.8	1.6	1.9
18	1438.0	332.8	9.1	16.2	1442.2	416.8	1.6	1.9
19	1437.9	331.2	8.8	9.6	1442.2	416.8	1.6	1.8
20	1437.5	324.7	6.3	9.6	1442.2	416.8	1.6	1.9
21	1437.4	323.1	8.8	9.6	1442.1	414.5	1.6	1.9
22	1437.5	324.7	10.4	9.6	1442.1	414.5	1.6	1.9
23	1438.1	334.6	10.7	5.7	1442.0	412.2	1.6	1.8
24	1438.6	343.4	4.4	0	1442.0	412.2	1.5	1.7
25	1439.0	350.5	3.6	0	1442.0	412.2	1.5	1.7
26	1439.3	356.3	3.0	0	1442.0	412.2	1.5	1.7
27	1439.6	362.1	2.9	0	1442.0	412.2	1.5	1.7
28	1439.9	367.9	2.9	0	1442.0	412.2	1.5	1.6
29					1442.0	412.2	1.5	1.6
30					1442.0	412.2	1.5	1.6
31					1442.0	412.2	1.5	1.6
TOTAL			178.6	83.7			53.8	31.5
Inf. Ac. Ft.			354.2				106.7	
Outf. Ac. Ft.			166.0				62.5	
Maximum Mean Daily Inflow			37.3				3.0	
Minimum Mean Daily Inflow			1.2				1.5	
Storage Change	+188.2					+44.3		

Day	April Gage Height	April Acre Ft. Storage	April C.F.S. Inflow	April C.F.S. Outflow	May Gage Height	May Acre Ft. Storage	May C.F.S. Inflow	May C.F.S. Outflow
1	1442.0	412.2	1.4	1.6	1436.9	315.1	1.2	2.6
2	1441.8	407.8	1.4	3.0	1436.8	313.6	1.2	2.6
3	1441.6	403.4	1.4	3.6	1436.6	310.6	1.2	2.4
4	1441.4	399.1	1.4	3.5	1436.5	309.0	1.2	2.3
5	1441.2	394.7	1.4	3.4	1436.4	307.5	1.2	2.2
6	1441.1	392.5	1.3	3.3	1436.2	304.5	1.2	2.2
7	1440.9	388.2	1.3	3.2	1436.0	301.5	1.2	2.2
8	1440.8	386.2	1.3	3.1	1435.9	300.1	1.2	2.2
9	1440.6	382.1	1.3	3.0	1435.7	297.2	1.2	2.2
10	1440.4	378.0	1.3	3.0	1435.5	294.4	1.1	2.2
11	1440.2	373.9	1.1	2.9	1435.3	291.6	1.0	2.2
12	1440.0	369.8	1.1	2.9	1435.1	288.7	1.0	2.2
13	1439.8	365.9	1.1	3.1	1434.9	285.9	1.0	2.2
14	1439.6	362.1	1.1	3.1	1434.7	283.2	1.0	3.0
15	1439.4	358.2	1.1	3.1	1434.3	277.8	1.0	3.4
16	1439.2	354.4	1.1	3.1	1433.9	272.4	1.0	3.4
17	1439.0	350.5	1.1	3.0	1433.5	267.2	1.0	3.4
18	1438.8	347.0	1.1	3.0	1433.2	263.2	1.0	3.4
19	1438.7	345.2	1.1	3.1	1432.8	258.1	1.0	3.4
20	1438.5	341.6	1.1	3.1	1432.4	253.0	1.0	3.4
21	1438.3	338.1	1.1	3.1	1432.1	249.3	1.0	3.4
22	1438.0	332.8	1.1	2.9	1431.7	244.4	1.0	3.4
23	1437.8	329.6	1.1	2.9	1431.3	239.5	1.0	3.3
24	1437.5	324.7	1.0	2.9	1430.8	233.6	1.0	3.3
25	1437.5	324.7	2.9	2.9	1430.5	230.0	1.0	3.3
26	1437.7	327.9	4.8	3.2	1430.1	225.4	0.9	3.3
27	1437.6	326.3	2.4	3.2	1429.7	220.8	0.9	3.3
28	1437.5	324.7	1.6	3.2	1429.4	217.4	0.9	3.3
29	1437.2	319.8	1.5	3.1	1429.0	212.8	0.9	3.3
30	1437.0	316.6	1.5	3.2	1426.5	207.3	0.9	3.3
31					1428.1	202.9	0.9	3.3
TOTAL			43.5	91.7			32.3	89.6
Inf. Ac. Ft.			86.3				64.1	861.8
Outf. Ac. Ft.			181.9				177.7	1025.1
Maximum Mean Daily Inflow			4.8				1.2	37.3
Minimum Mean Daily Inflow			1.0				0.9	0.2
Storage Change		-95.6				-113.7		-163.0

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1442.3	feet	on	VARIOUS DAYS	Storage	419.1	Acre Feet			
Min. W. S. Elev.	1407.0	feet	on	9/10/59	Storage	50.4	Acre Feet			
Max. Peak Inf.	189.0	C.F.S. from	5:45 P.M.	on	2/16/59	to	6:00 P.M.	on	2/16/59	
Max. Peak Outf.	20.0	C.F.S. from	12:00 N	on	2/18/59	to	4:00 P.M.	on	2/18/59	

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
A.R. BLEEMERS	Dam Tender	Gage Hts. copied	HRW TS	
R.J. SARASUA	Hydrographer	Storage applied	TS RAP	
	Hydrographer	Inf. & Outf. comp.	TS JR	

REMARKS [INDICATES AVERAGE FOR PERIOD

76D138N-68B Gb 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAN DIMAS Dam

In San Dimas Canyon for the Year Ending September 30, 1959

Drainage Area 16.2 Square Miles. Capacity of Reservoir 1025.3 Ac. Ft. at Spillway Elev. 1462.0 Ft. as of October 1954

Continuous Water Stage Recorder Au

Gage Heights Read daily

Day	June Gage Height	June Acre Ft. Storage	June C.F.S. Inflow	June C.F.S. Outflow	July Gage Height	July Acre Ft. Storage	July C.F.S. Inflow	July C.F.S. Outflow
1	1427.7	198.6	0.7	3.1	1407.8	54.1	0.2	0
2	1427.2	193.2	0.7	3.2	1408.0	55.0	0.2	0
3	1426.7	188.0	0.7	3.2	1408.1	55.5	0.2	0
4	1426.2	182.8	0.7	3.2	1408.2	55.9	0.2	0
5	1425.7	177.7	0.6	3.4	1408.4	56.9	0.3	0
6	1425.2	172.6	0.7	3.4	1408.5	57.4	0.3	0
7	1424.7	167.7	0.8	3.4	1408.6	57.8	0.3	0
8	1424.1	161.9	0.8	3.4	1408.7	58.3	0.3	0
9	1423.5	156.2	0.8	3.4	1408.8	58.8	0.3	0
10	1423.0	151.6	0.7	3.4	1408.9	59.2	0.3	0
11	1422.3	145.4	0.6	3.2	1409.0	59.7	0.3	0
12	1421.7	140.2	0.5	3.2	1409.1	60.2	0.3	0
13	1421.0	134.3	0.4	3.2	1409.3	61.2	0.3	0
14	1420.3	128.7	0.4	3.2	1409.2	60.7	0.3	0.3
15	1419.6	123.3	0.4	3.2	1409.2	60.7	0.3	0.5
16	1418.9	118.1	0.4	3.2	1409.1	60.2	0.3	0.3
17	1418.1	112.5	0.4	3.1	1409.1	60.2	0.3	0.3
18	1417.4	107.7	0.4	3.1	1409.1	60.2	0.3	0.3
19	1416.6	102.4	0.4	3.1	1409.0	59.7	0.3	0.3
20	1415.8	97.3	0.4	3.1	1409.0	59.7	0.3	0.3
21	1414.9	91.7	0.3	3.1	1408.9	59.2	0.3	0.3
22	1414.1	86.9	0.3	3.1	1409.0	59.7	0.3	0.3
23	1413.1	81.2	0.3	2.9	1409.0	59.7	0.3	0.3
24	1412.2	76.2	0.3	2.7	1409.0	59.7	0.3	0.3
25	1411.3	71.4	0.2	2.7	1409.0	59.7	0.3	0.3
26	1410.4	66.7	0.3	2.7	1408.9	59.2	0.3	0.3
27	1409.5	62.2	0.3	2.7	1408.9	59.2	0.3	0.3
28	1408.6	57.8	0.2	2.3	1408.9	59.2	0.3	0.3
29	1407.8	54.1	0.2	2.3	1408.8	58.8	0.3	0.3
30	1407.6	52.2	0.2	0.9	1408.8	58.8	0.3	0.3
31					1408.8	58.8	0.3	0.3
TOTAL			14.1	90.1			8.9	5.6
Inf. Ac. Ft.			28.0				17.7	
Outf. Ac. Ft.			178.7				11.1	
Maximum Mean Daily Inflow			0.8				0.3	
Minimum Mean Daily Inflow			0.2				0.2	
Storage Change	-150.7					+6.6		

Day	August Gage Height	August Acre Ft. Storage	August C.F.S. Inflow	August C.F.S. Outflow	September Gage Height	September Acre Ft. Storage	September C.F.S. Inflow	September C.F.S. Outflow
1	1408.7	58.3	0.3	0.3	1407.5	52.7	0.2	0.3
2	1408.7	58.3	0.3	0.3	1407.4	52.2	0.2	0.3
3	1408.7	58.3	0.3	0.3	1407.4	52.2	0.2	0.3
4	1408.6	57.8	0.2	0.3	1407.3	51.8	0.2	0.3
5	1408.6	57.8	0.2	0.3	1407.3	51.8	0.2	0.3
6	1408.6	57.8	0.2	0.3	1407.2	51.3	0.2	0.3
7	1408.6	57.8	0.2	0.3	1407.2	51.3	0.2	0.3
8	1408.5	57.4	0.2	0.3	1407.1	50.9	0.1	0.3
9	1408.5	57.4	0.2	0.3	1407.1	50.9	0.1	0.3
10	1408.5	57.4	0.2	0.3	1407.0	50.4	0.1	0.2
11	1408.5	57.4	0.2	0.3	1407.1	50.9	0.1	0
12	1408.4	56.9	0.2	0.3	1407.2	51.3	0.1	0
13	1408.4	56.9	0.2	0.3	1407.4	52.2	0.5	0
14	1408.3	56.4	0.2	0.3	1407.5	52.7	0.2	0
15	1408.3	56.4	0.2	0.3	1407.6	53.2	0.2	0
16	1408.2	55.9	0.2	0.3	1407.7	53.6	0.2	0
17	1408.2	55.9	0.2	0.3	1407.7	53.6	0.2	0
18	1408.2	55.9	0.2	0.3	1407.8	54.1	0.2	0
19	1408.1	55.5	0.2	0.3	1407.9	54.5	0.2	0
20	1408.0	55.0	0.2	0.3	1407.9	54.5	0.2	0
21	1408.0	55.0	0.2	0.3	1408.0	55.0	0.2	0
22	1408.0	55.0	0.2	0.3	1408.1	55.5	0.2	0
23	1407.9	54.5	0.2	0.3	1408.2	55.9	0.2	0
24	1407.9	54.5	0.2	0.3	1408.3	56.4	0.2	0
25	1407.8	54.1	0.2	0.3	1408.3	56.4	0.2	0
26	1407.8	54.1	0.2	0.3	1408.4	56.9	0.2	0
27	1407.7	53.6	0.2	0.3	1408.5	57.4	0.2	0
28	1407.7	53.6	0.2	0.3	1408.5	57.4	0.1	0
29	1407.7	53.6	0.2	0.3	1408.6	57.8	0.1	0
30	1407.6	53.2	0.2	0.3	1408.7	58.3	0.1	0
31	1407.6	53.2	0.2	0.3				
TOTAL			6.5	9.3			5.5	2.9
Inf. Ac. Ft.			12.9				10.9	931.3
Outf. Ac. Ft.			18.4				5.8	1239.1
Maximum Mean Daily Inflow			0.3				0.5	37.3
Minimum Mean Daily Inflow			0.2				0.1	0.1
Storage Change		-5.6				+5.1		-307.6

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1442.3	feet	on	VARIOUS DAYS	Storage	419.1	Acre Feet			
Min. W. S. Elev.	1407.0	feet	on	9/10/59	Storage	50.4	Acre Feet			
Max. Peak Inf.	189.0	C.F.S. from	5:45 P.M.	on	2/16/59	to	6:00 P.M.	on	2/16/59	
Max. Peak Outf.	20.0	C.F.S. from	12:00 N.	on	2/18/59	to	4:00 P.M.	on	2/18/59	

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
A.R. BLEEMERS	Dam Tender	Gage Hts. copied	HRW TS	
R.J. SARASUA	Hydrographer	Storage applied	TS RAP	
	Hydrographer	Inf. & Outf. comp.	TS RAP	

REMARKS [INDICATES AVERAGE FOR PERIOD

76D138N-68B C/b 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of PUDDINGSTONE DIVERSION Dam

~~In~~ On San Dimas Wash for the Year Ending September 30, 1958

Continuous Water Stage Recorder Au

Drainage Area 2.64 Square Miles. Capacity of Reservoir 138.2 Ac. Ft. at Spillway Elev. 1152.5 Ft. as of September 1953 Gage Heights Read at various times

Day	October				November				December				January				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1			0	0			0	0			0	0		0	0	0	1
2			0	0			0	0			0	0			0	0	2
3			0	0			0	0			0	0			0	0	3
4			0	0			0	0			0	0			0	0	4
5			0	0			0	0			0	0			0	0	5
6			0	0			0	0			0	0			0	0	6
7			0	0			0	0			0	0			0	0	7
8			0	0			0	0			0	0		0	0	0	8
9			0	0			0	0			0	0	11344	0.81	0.4	0	9
10			0	0			0	0			0	0	11347	1.16	0.2	0	10
11			0	0			0	0			0	0	11348	1.26	0.1	0	11
12			0	0			0	0			0	0	11350	1.52	0.1	0	12
13			0	0			0	0			0	0	11347	1.16	0	0	13
14			0	0			0	0			0	0	11342	0.57	0	0	14
15			0	0			0	0			0	0		+	0	0	15
16			0	0			0	0			0	0		+	0	0	16
17			0	0			0	0	11346	1.04	0.5	0		+	0	0	17
18		NO STORAGE	0	0			0	0	11342	0.57	0	0		+	0	0	18
19			0	0			0	0			0	0		0	0	0	19
20			0	0		NO STORAGE	0	0		0	0	0			0	0	20
21			0	0			0	0			0	0			0	0	21
22			0	0			0	0			0	0			0	0	22
23			0	0			0	0			0	0			0	0	23
24			0	0			0	0			0	0			0	0	24
25			0	0			0	0			0	0		0	0	0	25
26			0	0			0	0			0	0	11350	1.52	0.8	0	26
27			0	0			0	0			0	0	11348	1.26	0	0	27
28			0	0			0	0			0	0	11346	1.04	0	0	28
29			0	0			0	0			0	0	11343	0.69	0	0	29
30			0	0			0	0			0	0	11341	0.45	0	0	30
31			0	0						0	0	0		+	0	0	31
TOTAL			0	0			0	0			0.5	0			1.6	0	
Inf. Ac. Ft.			0				0				1.0				3.2		
Outf. Ac. Ft.			0				0				0	+ (1.0)			0+(3.2)	0+4.2	
Maximum Mean Daily Inflow			0				0				0.5				0.8	0.8	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change	0				0				0				+			+	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1146.7	feet	on	4/3 AND 4/4	Storage	71.0	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1131.5	feet	on	VAR. DAYS	Storage	0	Acre Feet		Dam Tender	Gage Hts. copied	RAP FES	
Max. Peak Inf.	284.	C.F.S. from	11:00 A.M. on	4/3	to	12:00 N.	on	4/3	R.J. SARASUA	Hydrographer	Storage applied	RAP FES	
Max. Peak Outf.	252.8	C.F.S. from	12:00 N. on	4/3	to	4:30 P.M.	on	4/4		Hydrographer	Inf. & Outf. comp.	RAP FES	

REMARKS ( ) INDICATES PERCOLATION AND OTHER LOSSES

76D138N-68B C/b 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of PUDDINGSTONE DIVERSION Dam

~~In~~ On San Dimas Wash for the Year Ending September 30, 1956

Continuous Water Stage Recorder Au

Drainage Area 2.64 Square Miles. Capacity of Reservoir 138.2 Ac. Ft. at Spillway Elev. 1152.5 Ft. as of September 1953 Gage Heights Read at various times

Day	February				March				April				May				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1		+	0	0	11412	28.9	2.0	6.0	11460	64.6	46.0	35.8	11422	35.7	9.1	6.0	1
2		+	0	0	11394	17.8	1.3	5.3	11461	65.5	87.9	82.8	11423	36.4	8.6	5.8	2
3	11376	9.4	5.9	0	11389	15.1	2.1	2.0	11467	71.0	195.9	188.3	11424	37.1	8.7	5.5	3
4	11461	65.5	73.2	40.4	11387	14.2	2.2	1.2	11464	68.3	226.7	223.4	11424	37.1	8.3	5.5	4
5	11460	64.6	90.5	86.3	11384	12.8	1.7	1.1	11462	66.4	133.1	129.4	11423	36.4	7.5	5.2	5
6	11460	64.6	83.2	78.6	11385	13.3	2.6	1.1	11460	64.6	108.4	104.8	11423	36.4	8.1	5.4	6
7	11449	55.6	30.9	31.5	11417	32.3	14.8	2.7	11462	66.4	138.2	132.7	11422	35.7	7.6	5.2	7
8	11420	34.3	0	6.2	11444	51.8	18.6	5.1	11461	65.5	103.9	99.8	11422	35.7	7.9	5.2	8
9	11398	20.1	0	5.2	11424	37.1	0.9	5.5	11460	64.6	95.4	91.6	11422	35.7	7.9	5.2	9
10	11390	15.6	0	1.4	11405	24.4	0.6	5.0	11457	62.1	73.0	69.6	11420	34.3	7.0	5.2	10
11	11389	15.1	0	0	11395	18.4	2.8	4.2	11456	61.3	31.6	27.7	11415	30.9	5.9	5.2	11
12	11407	25.6	7.5	0.1	11390	15.6	1.3	1.2	11456	61.3	29.2	24.9	11411	28.2	5.9	5.0	12
13	11414	30.2	6.6	1.9	11388	14.7	1.7	0.7	11456	61.3	28.9	24.6	11410	27.5	6.6	5.0	13
14	11414	30.2	5.8	3.4	11396	19.0	4.7	0.8	11456	61.3	28.6	24.3	11406	25.0	5.7	4.9	14
15	11414	30.2	5.9	3.5	11460	64.6	52.3	24.8	11457	62.1	29.5	24.7	11400	21.2	4.3	4.5	15
16	11416	31.6	6.5	3.3	11457	62.1	57.9	54.8	11459	63.8	43.7	38.3	11395	18.4	4.2	3.9	16
17	11415	30.9	5.3	3.2	11457	62.1	35.0	30.6	11457	62.1	47.9	44.4	11393	17.3	4.7	3.6	17
18	11415	30.9	5.7	3.3	11457	62.1	34.0	29.6	11457	62.1	33.3	28.9	11393	17.3	5.1	3.5	18
19	11458	63.0	53.4	32.7	11457	62.1	30.9	26.5	11457	62.1	32.7	28.3	11393	17.3	4.8	3.2	19
20	11455	60.5	29.3	26.3	11459	63.8	40.9	35.5	11457	62.1	32.2	27.8	11393	17.3	4.3	2.7	20
21	11454	59.7	12.7	8.9	11457	62.1	41.4	37.9	11455	60.5	28.2	24.7	11393	17.3	3.7	2.1	21
22	11441	49.5	6.0	7.5	11457	62.1	34.4	30.0	11453	58.9	13.9	10.5	11392	16.7	3.6	2.4	22
23	11418	32.9	0.4	6.2	11457	62.1	33.9	29.5	11450	56.4	13.2	10.5	11390	15.6	2.0	1.1	23
24	11398	20.1	0.6	5.4	11457	62.1	33.3	28.9	11447	54.1	12.7	9.9	11388	14.7	2.1	1.1	24
25	11412	28.9	11.1	4.7	11457	62.1	32.7	28.3	11444	51.8	12.3	9.8	11386	13.8	1.9	1.1	25
26	11440	48.7	19.3	5.8	11457	62.1	32.3	27.9	11441	49.5	12.1	9.6	11384	12.8	1.8	1.0	26
27	11449	55.6	14.1	6.7	11457	62.1	33.7	29.3	11438	47.2	11.8	9.5	11383	12.4	2.1	1.0	27
28	11430	41.4	2.0	6.0	11456	61.3	30.4	26.5	11430	41.4	10.7	10.5	11381	11.5	1.7	0.9	28
29					11456	61.3	31.3	27.0	11419	33.6	9.5	10.9	11379	10.6	1.4	0.8	29
30					11456	61.3	31.8	27.5	11421	35.0	9.3	8.9	11378	10.2	1.6	0.7	30
31					11446	53.3	16.3	16.0					11376	9.4	1.2	0.6	31
TOTAL			475.9	378.5			659.8	552.5			1679.8	1563.9			155.7	108.5	
Inf. Ac. Ft.			943.9				1308.7				3331.8				308.8	589.7.4	
Outf. Ac. Ft.			750.7	+(151.7)			1095.9	+(200.9)			3101.9	+ (248.3)			215.2+(119.2)	516.3.7 +(724.3)	
Maximum Mean Daily Inflow			90.5				57.9				226.7				9.1	226.7	
Minimum Mean Daily Inflow			0				0.6				9.3				1.2	0	
Storage Change	+41.4				+11.9				-18.3				-25.6			+9.4	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1146.7	feet	on	4/3 AND 4/4	Storage	71.0	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1131.5	feet	on	VAR. DAYS	Storage	0	Acre Feet		Dam Tender	Gage Hts. copied	RAP FES	
Max. Peak Inf.	284.	C.F.S. from	11:00 A.M. on	4/3	to	12:00 N.	on	4/3	R.J. SARASUA	Hydrographer	Storage applied	RAP FES	
Max. Peak Outf.	252.8	C.F.S. from	12:00 N. on	4/3	to	4:30 P.M.	on	4/4		Hydrographer	Inf. & Outf. comp.	RAP FES	

REMARKS ( ) INDICATES PERCOLATION AND OTHER LOSSES

76D 138N-68B Gb 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of PUDDINGSTONE DIVERSION Dam

~~In~~ On San Dimas Wash for the Year Ending September 30, 19 58

Drainage Area 2.64 Square Miles. Capacity of Reservoir 138.2 Ac. Ft. at Spillway Elev. 1152.5 Ft. as of September 19 53

Continuous Water Stage Recorder Au

Gage Heights Read at various times

Day	June Gage Height	June Acre Ft. Storage	June C.F.S. Inflow	June C.F.S. Outflow	July Gage Height	July Acre Ft. Storage	July C.F.S. Inflow	July C.F.S. Outflow	August Gage Height	August Acre Ft. Storage	August C.F.S. Inflow	August C.F.S. Outflow	September Gage Height	September Acre Ft. Storage	September C.F.S. Inflow	September C.F.S. Outflow	Day
1	1137.5	9.1	1.4	0.6	1134.5	0.9	0.3	0			0	0			0	0	1
2	1137.3	8.3	1.1	0.5	1134.5	0.9	0.3	0			0	0			0	0	2
3	1137.2	7.9	1.1	0.4	1134.5	0.9	0.3	0			0	0			0	0	3
4	1137.0	7.1	0.9	0.4	1134.5	0.9	0.3	0			0	0			0	0	4
5	1136.9	6.8	1.2	0.4	1134.5	0.9	0.3	0			0	0			0	0	5
6	1136.7	6.2	0.8	0.3	1134.5	0.9	0.3	0			0	0			0	0	6
7	1136.6	5.8	0.9	0.3	1134.5	0.9	0.3	0			0	0			0	0	7
8	1136.5	5.5	0.8	0.2	1134.5	0.9	0.3	0			0	0			0	0	8
9	1136.3	4.9	0.6	0.2	1134.4	0.8	0.3	0			0	0			0	0	9
10	1136.2	4.6	0.7	0.1	1134.4	0.8	0.3	0			0	0			0	0	10
11	1136.1	4.2	0.5	0.1	1134.3	0.7	0.1	0			0	0			0	0	11
12	1136.0	3.9	0.5	0.1	1134.2	0.6	0.2	0			0	0			0	0	12
13	1135.8	3.4	0.5	0.1	1134.1	0.4	0.1	0			0	0			0	0	13
14	1135.7	3.2	0.6	0.1	1134.0	0.3	0.1	0			0	0			0	0	14
15	1135.5	2.7	0.3	0.1		0.3	0.2	0			0	0			0	0	15
16	1135.4	2.5	0.5	0.1		0.2	0.1	0			0	0			0	0	16
17	1135.3	2.2	0.5	0.1		0.2	0.1	0			0	0			0	0	17
18	1135.2	2.0	0.3	0		0.1	0	0			0	0			0	0	18
19	1135.1	1.8	0.3	0		+	0	0			0	0			0	0	19
20	1134.9	1.4	0.2	0		+	0	0			0	0			0	0	20
21	1134.8	1.3	0.2	0		0	0	0			0	0			0	0	21
22	1134.7	1.2	0.3	0			0	0			0	0			0	0	22
23	1134.6	1.0	0.2	0			0	0			0	0			0	0	23
24	1134.6	1.0	0.3	0			0	0			0	0			0	0	24
25	1134.6	1.0	0.3	0			0	0			0	0			0	0	25
26	1134.6	1.0	0.3	0			0	0			0	0			0	0	26
27	1134.6	1.0	0.3	0			0	0			0	0			0	0	27
28	1134.6	1.0	0.3	0			0	0			0	0			0	0	28
29	1134.5	0.9	0.2	0			0	0			0	0			0	0	29
30	1134.5	0.9	0.3	0			0	0			0	0			0	0	30
31						0	0	0			0	0					31
TOTAL			16.4	4.1			3.9	0			0	0			0	0	
Inf. Ac. Ft.			32.5				7.7									5937.6	
Outf. Ac. Ft.			8.1 + (32.9)				0 + (8.5)									5171.8 + (765.7	
Maximum Mean Daily Inflow			1.4				0.9									226.7	
Minimum Mean Daily Inflow			0.2				0									0	
Storage Change		-8.5			-0.9											0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1146.7	feet	on 4/3 AND 4/4	Storage	71.0	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	1131.5	feet	on VAR. DAYS	Storage	0	Acre Feet		Dam Tender	Gage Hts. copied	RAP FES
Max. Peak Inf.	284.	C.F.S. from	11:00 A.M. on 4/3	to	12:00 N. on 4/3		R. J. SARASUA	Hydrographer	Storage applied	RAP FES
Max. Peak Outf.	252.8	C.F.S. from	12:00 N. on 4/3	to	4:40 P.M. on 4/4			Hydrographer	Inf. & Outf. comp.	RAP FES

REMARKS ( ) INDICATES PERCOLATION AND OTHER LOSSES

76D 138N-68B Gb 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of PUDDINGSTONE DIVERSION Dam

~~In~~ On San Dimas Wash for the Year Ending September 30, 19 59

Drainage Area 2.64 Square Miles. Capacity of Reservoir 138.2 Ac. Ft. at Spillway Elev. 1152.5 Ft. as of September 19 53

Continuous Water Stage Recorder Au

Gage Heights Read at various times

Day	October Gage Height	October Acre Ft. Storage	October C.F.S. Inflow	October C.F.S. Outflow	November Gage Height	November Acre Ft. Storage	November C.F.S. Inflow	November C.F.S. Outflow	December Gage Height	December Acre Ft. Storage	December C.F.S. Inflow	December C.F.S. Outflow	January Gage Height	January Acre Ft. Storage	January C.F.S. Inflow	January C.F.S. Outflow	Day
1			0	0			0	0			0	0			0	0	1
2			0	0			0	0			0	0			0	0	2
3			0	0			0	0			0	0			0	0	3
4			0	0			0	0			0	0			0	0	4
5			0	0			0	0			0	0			0	0	5
6			0	0			0	0			0	0			0	0	6
7			0	0			0	0			0	0			0	0	7
8			0	0			0	0			0	0			0	0	8
9			0	0			0	0			0	0			0	0	9
10			0	0			0	0			0	0			0	0	10
11			0	0			0	0			0	0			0	0	11
12			0	0			0	0			0	0			0	0	12
13			0	0			0	0			0	0			0	0	13
14		NO STORAGE	0	0		NO STORAGE	0	0		NO STORAGE	0	0		NO STORAGE	0	0	14
15			0	0			0	0			0	0			0	0	15
16			0	0			0	0			0	0			0	0	16
17			0	0			0	0			0	0			0	0	17
18			0	0			0	0			0	0			0	0	18
19			0	0			0	0			0	0			0	0	19
20			0	0			0	0			0	0			0	0	20
21			0	0			0	0			0	0			0	0	21
22			0	0			0	0			0	0			0	0	22
23			0	0			0	0			0	0			0	0	23
24			0	0			0	0			0	0			0	0	24
25			0	0			0	0			0	0			0	0	25
26			0	0			0	0			0	0			0	0	26
27			0	0			0	0			0	0			0	0	27
28			0	0			0	0			0	0			0	0	28
29			0	0			0	0			0	0			0	0	29
30			0	0			0	0			0	0			0	0	30
31			0	0							0	0			0	0	31
TOTAL			0	0			0	0			0	0			0	0	
Inf. Ac. Ft.			0				0				0				0	0	
Outf. Ac. Ft.			0				0				0				0	0	
Maximum Mean Daily Inflow			0				0				0				0	0	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change			0				0				0				0	0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1141.5	feet	on 2/18/59	Storage	30.9	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	DRY	feet	on VARIOUS DAYS	Storage	0	Acre Feet		Dam Tender	Gage Hts. copied	RAP TS
Max. Peak Inf.	17.7	C.F.S. from	4:45 P.M. on 2/18/59	to	5:00 P.M. on 2/18/59		R.J. SARASUA	Hydrographer	Storage applied	RAP TS
Max. Peak Outf.	7.3	C.F.S. from	4:00 P.M. on 2/17/59	to	4:30 P.M. on 2/17/59			Hydrographer	Inf. & Outf. comp.	TS RAP

REMARKS

76D138N-68B Glb 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of PUDDINGSTONE DIVERSION Dam

~~In~~ On San Dimas Wash for the Year Ending September 30, 1959

Drainage Area 2.64 Square Miles. Capacity of Reservoir 138.2 Ac. Ft. at Spillway Elev. 1152.5 Ft. as of September, 1953

Continuous Water Stage Recorder Au

Gage Heights Read at various times

Day	February Gage Height	February Acre Ft. Storage	February C.F.S. Inflow	February C.F.S. Outflow	March Gage Height	March Acre Ft. Storage	March C.F.S. Inflow	March C.F.S. Outflow	April Gage Height	April Acre Ft. Storage	April C.F.S. Inflow	April C.F.S. Outflow	May Gage Height	May Acre Ft. Storage	May C.F.S. Inflow	May C.F.S. Outflow	Day
1			0	0			0	0			0	0			0	0	1
2			0	0			0	0			0	0			0	0	2
3			0	0			0	0			0	0			0	0	3
4			0	0			0	0			0	0			0	0	4
5			0	0			0	0			0	0			0	0	5
6			0	0			0	0			0	0			0	0	6
7			0	0			0	0			0	0			0	0	7
8		NO STORAGE	0	0			0	0			0	0			0	0	8
9			0	0			0	0			0	0			0	0	9
10			0	0			0	0			0	0			0	0	10
11			0	0			0	0			0	0			0	0	11
12			0	0			0	0			0	0			0	0	12
13			0	0		NO STORAGE	0	0		NO STORAGE	0	0		NO STORAGE	0	0	13
14			0	0			0	0			0	0			0	0	14
15			0	0			0	0			0	0			0	0	15
16			0	0			0	0			0	0			0	0	16
17	1139.9	20.6	13.6	1.6			0	0			0	0			0	0	17
18	1141.4	30.2	12.4	5.4			0	0			0	0			0	0	18
19	1140.7	25.6	4.5	4.7			0	0			0	0			0	0	19
20	1140.3	23.1	5.1	4.5			0	0			0	0			0	0	20
21	1140.2	22.5	5.9	4.3			0	0			0	0			0	0	21
22	1139.3	17.3	2.9	3.9			0	0			0	0			0	0	22
23	1138.6	14.7	0.1	0			0	0			0	0			0	0	23
24	1137.7	9.6	0	0			0	0			0	0			0	0	24
25	1136.9	6.8	0	0			0	0			0	0			0	0	25
26	1136.2	4.6	0	0			0	0			0	0			0	0	26
27	1135.5	2.7	0	0			0	0			0	0			0	0	27
28		0	0	0			0	0			0	0			0	0	28
29							0	0			0	0			0	0	29
30							0	0			0	0			0	0	30
31							0	0							0	0	31
TOTAL			44.7	24.6			0	0			0	0			0	0	
Inf. Ac. Ft.			89.7				0				0				0	88.7	
Outf. Ac. Ft.			48.8 + (39.9)				0				0				0	48.8 + (39.9)	
Maximum Mean Daily Inflow			13.6				0				0				0	13.8	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change	0				0				0				0			0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1141.5	feet	on	2/18/59	Storage	30.9	Acre Feet			
Min. W. S. Elev.	DRY	feet	on	VARIOUS DAYS	Storage	0	Acre Feet			
Max. Peak Inf.	17.7	C.F.S. from	4:45 P.M.	on	2/18/59	to	5:00 P.M.	on	2/18/59	
Max. Peak Outf.	7.3	C.F.S. from	4:00 P.M.	on	2/17/59	to	4:30 P.M.	on	2/17/59	

REMARKS ( ) INDICATES PERCOLATION AND OTHER LOSSES

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
	Dam Tender	Gage Hts. copied	RAP	TS
R. J. SARASUA	Hydrographer	Storage applied	RAP	TS
	Hydrographer	Inf. & Outf. comp.	TS	RAP

76D138N-68B Glb 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of PUDDINGSTONE DIVERSION Dam

~~In~~ On San Dimas Wash for the Year Ending September 30, 1959

Drainage Area 2.64 Square Miles. Capacity of Reservoir 138.2 Ac. Ft. at Spillway Elev. 1152.5 Ft. as of September, 1953

Continuous Water Stage Recorder Au

Gage Heights Read at various times

Day	June Gage Height	June Acre Ft. Storage	June C.F.S. Inflow	June C.F.S. Outflow	July Gage Height	July Acre Ft. Storage	July C.F.S. Inflow	July C.F.S. Outflow	August Gage Height	August Acre Ft. Storage	August C.F.S. Inflow	August C.F.S. Outflow	September Gage Height	September Acre Ft. Storage	September C.F.S. Inflow	September C.F.S. Outflow	Day
1			0	0			0	0			0	0			0	0	1
2			0	0			0	0			0	0			0	0	2
3			0	0			0	0			0	0			0	0	3
4			0	0			0	0			0	0			0	0	4
5			0	0			0	0			0	0			0	0	5
6			0	0			0	0			0	0			0	0	6
7			0	0			0	0			0	0			0	0	7
8			0	0			0	0			0	0			0	0	8
9			0	0			0	0			0	0			0	0	9
10			0	0			0	0			0	0			0	0	10
11			0	0			0	0			0	0			0	0	11
12			0	0			0	0			0	0			0	0	12
13			0	0			0	0			0	0			0	0	13
14			0	0			0	0			0	0			0	0	14
15		NO STORAGE	0	0		NO STORAGE	0	0		NO STORAGE	0	0		NO STORAGE	0	0	15
16			0	0			0	0			0	0			0	0	16
17			0	0			0	0			0	0			0	0	17
18			0	0			0	0			0	0			0	0	18
19			0	0			0	0			0	0			0	0	19
20			0	0			0	0			0	0			0	0	20
21			0	0			0	0			0	0			0	0	21
22			0	0			0	0			0	0			0	0	22
23			0	0			0	0			0	0			0	0	23
24			0	0			0	0			0	0			0	0	24
25			0	0			0	0			0	0			0	0	25
26			0	0			0	0			0	0			0	0	26
27			0	0			0	0			0	0			0	0	27
28			0	0			0	0			0	0			0	0	28
29			0	0			0	0			0	0			0	0	29
30			0	0			0	0			0	0			0	0	30
31							0	0			0	0			0	0	31
TOTAL			0	0			0	0			0	0			0	0	
Inf. Ac. Ft.			0				0				0				0	88.7	
Outf. Ac. Ft.			0				0				0				0	48.8 + (39.9)	
Maximum Mean Daily Inflow			0				0				0				0	13.8	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change	0				0				0				0			0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1141.5	feet	on	2/18/59	Storage	30.9	Acre Feet			
Min. W. S. Elev.	DRY	feet	on	VARIOUS DAYS	Storage	0	Acre Feet			
Max. Peak Inf.	17.7	C.F.S. from	4:45 P.M.	on	2/18/59	to	5:00 P.M.	on	2/18/59	
Max. Peak Outf.	7.3	C.F.S. from	4:00 P.M.	on	2/17/59	to	4:30 P.M.	on	2/17/59	

REMARKS

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
	Dam Tender	Gage Hts. copied	RAP	TS
R. J. SARASUA	Hydrographer	Storage applied	RAP	TS
	Hydrographer	Inf. & Outf. comp.	TS	RAP

76D 138N-68B Glb 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of PUDDINGSTONE Dam

In / On Puddingstone Creek for the Year Ending September 30, 19 58

Continuous Water Stage Recorder Au

Drainage Area 32.1 Square Miles. Capacity of Reservoir 17,190 Ac. Ft. at Spillway Elev. 970.0 Ft. as of January 19 41

Gage Heights Read daily

Day	October Gage Height	October Acre Ft. Storage	October C.F.S. Inflow	October C.F.S. Outflow	November Gage Height	November Acre Ft. Storage	November C.F.S. Inflow	November C.F.S. Outflow	December Gage Height	December Acre Ft. Storage	December C.F.S. Inflow	December C.F.S. Outflow	January Gage Height	January Acre Ft. Storage	January C.F.S. Inflow	January C.F.S. Outflow	Day
1	910.96	1831.6	0.3	0.1	911.24	1859.2	0.2	0.1	911.28	1863.2	0	0.1	913.64	2104.8	0	0.1	1
2	910.95	1830.6	0.1	0.1	911.46	1881.1	11.2	0.1	911.27	1862.2	0.2	0.1	913.64	2104.8	0.3	0.1	2
3	910.95	1830.6	0.5	0.1	911.49	1884.1	1.9	0.1	911.26	1861.2	0.2	0.1	913.64	2104.8	0.4	0.1	3
4	910.94	1829.6	0.2	0.1	911.49	1884.1	0.3	0.1	911.27	1862.2	0.9	0.1	913.63	2103.8	0	0.1	4
5	910.93	1828.7	0.3	0.1	911.48	1883.1	0	0.1	911.48	1883.1	10.8	0.1	913.62	2102.7	0	0.1	5
6	910.92	1827.7	0	0.1	911.47	1882.1	0	0.1	911.48	1883.1	0.2	0.1	913.61	2101.7	0	0.1	6
7	910.90	1825.8	0	0.1	911.47	1882.1	0.6	0.1	911.47	1882.1	0	0.1	913.61	2101.7	0.5	0.1	7
8	910.89	1824.9	0.2	0.1	911.45	1880.1	0	0.1	911.47	1882.1	0.4	0.1	913.61	2101.7	0.5	0.1	8
9	910.89	1824.9	0.6	0.1	911.45	1880.1	0.3	0.1	911.46	1881.1	0	0.1	913.60	2100.6	0	0.1	9
10	910.88	1823.9	0.2	0.1	911.44	1879.1	0	0.1	911.46	1881.1	0.5	0.1	913.61	2101.7	0.8	0.1	10
11	911.15	1850.5	13.8	0.1	911.44	1879.1	0.3	0.1	911.45	1880.1	0	0.1	913.61	2101.7	0.3	0.1	11
12	911.15	1850.5	0.2	0.1	911.43	1878.1	0	0.1	911.45	1880.1	0.5	0.1	913.60	2100.6	0	0.1	12
13	911.17	1852.3	1.3	0.1	911.43	1878.1	0.2	0.1	911.44	1879.1	0	0.1	913.60	2100.6	0.4	0.1	13
14	911.26	1861.2	4.7	0.1	911.42	1877.1	0	0.1	911.43	1878.1	0	0.1	913.59	2099.6	0	0.1	14
15	911.25	1860.2	0	0.1	911.42	1877.1	0.3	0.1	912.09	1943.9	33.3	0.1	913.58	2098.5	0	0.1	15
16	911.24	1859.2	0	0.1	911.41	1876.1	0	0.1	912.99	2036.2	46.7	0.1	913.58	2098.5	0.5	0.1	16
17	911.23	1858.2	0	0.1	911.40	1875.1	0	0.1	913.64	2104.8	34.8	0.1	913.57	2097.4	0	0.1	17
18	911.22	1857.2	0	0.1	911.39	1874.1	0	0.1	913.67	2108.0	1.9	0.1	913.57	2097.4	0.5	0.1	18
19	911.22	1857.2	0.2	0.1	911.38	1873.1	0	0.1	913.66	2109.1	1.0	0.1	913.57	2097.4	0.5	0.1	19
20	911.26	1861.2	2.3	0.1	911.38	1873.1	0.3	0.1	913.68	2109.1	0.3	0.1	913.55	2095.3	0	0.1	20
21	911.28	1863.2	1.4	0.1	911.36	1871.1	0	0.1	913.68	2109.1	0.2	0.1	913.55	2095.3	0.3	0.1	21
22	911.25	1860.2	0	0.1	911.35	1870.2	0	0.1	913.68	2109.1	0.2	0.1	913.55	2095.3	0.5	0.1	22
23	911.24	1859.2	0	0.1	911.34	1869.2	0	0.1	913.67	2108.0	0	0.1	913.54	2094.3	0	0.1	23
24	911.23	1858.2	0	0.1	911.34	1869.2	0.5	0.1	913.67	2108.0	0.4	0.1	913.54	2094.3	0.3	0.1	24
25	911.22	1857.2	0	0.1	911.34	1869.2	0.6	0.1	913.66	2107.0	0	0.1	913.71	2112.2	9.1	0.1	25
26	911.22	1857.2	0.3	0.1	911.33	1868.2	0	0.1	913.66	2107.0	0.3	0.1	914.48	2195.3	42.2	0.1	26
27	911.21	1856.3	0	0.1	911.32	1867.2	0	0.1	913.66	2107.0	0.3	0.1	914.50	2197.5	1.3	0.1	27
28	911.20	1855.3	0	0.1	911.32	1867.2	0.4	0.1	913.66	2107.0	0.3	0.1	914.50	2197.5	0.3	0.1	28
29	911.19	1854.3	0	0.1	911.31	1866.2	0.2	0.1	913.65	2105.9	0	0.1	914.51	2198.6	0.7	0.1	29
30	911.20	1855.3	1.0	0.1	911.29	1864.2	0.1	0.1	913.65	2105.9	0.5	0.1	914.51	2198.6	0.4	0.1	30
31	911.24	1859.2	2.2	0.1					913.65	2105.9	0.7	0.1	914.50	2197.5	0	0.1	31
TOTAL			29.8	3.1			17.4	3.0			134.6	3.1			59.9	3.1	
Inf. Ac. Ft.			59.1				34.5				267.0				115.8		476.4
Outf. Ac. Ft.			6.1+(26.2)				60.+(23.5)				6.1+(19.2)				6.1+(21.1)		24.3+(80.0)
Maximum Mean Daily Inflow			13.8				11.2				46.7				42.2		46.7
Minimum Mean Daily Inflow			0				0				0				0		0
Storage Change		+26.7				+50				+241.7				+91.6			+365.0

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	946.32	feet	on	4/22/58	Storage	8254.0	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	910.88	feet	on	10/10/57	Storage	1823.9	Acre Feet	F.A. POLLARD	Dam Tender	Gage Hts. copied	FES	JPR
Max. Peak Inf.	690.	C.F.S. from		8:00 A.M. on 4/3/58	to	9:00 A.M. on	4/3/58	R.J. SARASUA	Hydrographer	Storage applied	FES	JPR
Max. Peak Outf.	8.0	C.F.S. from		VAR. DAYS on	to	on			Hydrographer	Inf. & Outf. comp.	FES	JPR

REMARKS ( ) INDICATES EVAPORATION AND OTHER LOSSES
INFLOW, DURING NO RAIN, DUE TO IRRIGATION WASTE

76D 138N-68B Glb 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of PUDDINGSTONE Dam

In / On Puddingstone Creek for the Year Ending September 30, 19 58

Continuous Water Stage Recorder Au

Drainage Area 32.1 Square Miles. Capacity of Reservoir 17,190 Ac. Ft. at Spillway Elev. 970.0 Ft. as of January 19 41

Gage Heights Read daily

Day	February Gage Height	February Acre Ft. Storage	February C.F.S. Inflow	February C.F.S. Outflow	March Gage Height	March Acre Ft. Storage	March C.F.S. Inflow	March C.F.S. Outflow	April Gage Height	April Acre Ft. Storage	April C.F.S. Inflow	April C.F.S. Outflow	May Gage Height	May Acre Ft. Storage	May C.F.S. Inflow	May C.F.S. Outflow	Day
1	914.50	2197.5	0.6	0.1	924.88	3548.7	2.3	0.1	933.56	5108.7	171.2	0.1	946.03	8170.4	0	5.2	1
2	914.52	2199.7	1.2	0.1	924.88	3548.7	0.6	0.1	934.33	5269.6	81.3	0.1	946.00	8161.7	0	4.0	2
3	915.72	2333.3	67.5	0.1	924.88	3548.7	0.5	0.1	936.96	5847.3	291.7	0.1	945.95	8147.6	0	5.9	3
4	920.05	2861.1	266.3	0.1	924.88	3548.7	0.8	0.1	938.93	6307.6	232.7	0.1	945.90	8133.5	0	5.6	4
5	921.37	3038.1	89.5	0.1	924.87	3547.1	0	0.1	940.00	6567.4	131.9	0.1	945.86	8122.2	0	4.3	5
6	922.40	3161.5	72.5	0.1	925.09	3561.3	17.5	0.1	941.03	6824.6	129.8	0.1	945.84	8116.5	0	1.7	6
7	922.83	3242.6	31.1	0.1	925.09	3561.3	0.4	0.1	943.33	7423.6	302.4	0.1	945.79	8102.4	0	5.8	7
8	922.86	3246.9	2.6	0.1	925.09	3561.3	0.4	0.1	944.04	7615.0	97.3	0.1	945.75	8091.2	0	4.7	8
9	922.87	3248.3	1.1	0.1	925.09	3561.3	0.4	0.1	944.71	7799.6	94.1	0.1	945.71	8079.9	0	4.6	9
10	922.88	3249.7	1.0	0.1	925.09	3561.3	0.6	0.1	945.16	7924.7	64.1	0.1	945.67	8068.6	0	4.8	10
11	922.88	3249.7	0.3	0.1	925.17	3594.0	6.5	0.1	945.27	7955.7	17.0	0.1	945.64	8060.1	0	3.6	11
12	922.88	3249.7	0.4	0.1	925.19	3597.2	2.0	0.1	945.37	7983.9	15.8	0.1	945.61	8051.6	0	2.9	12
13	922.88	3249.7	0.5	0.1	925.19	3597.2	0.4	0.1	945.45	8006.5	13.2	0.1	945.59	8046.0	0	1.3	13
14	922.88	3249.7	0.4	0.1	925.19	3597.2	0.3	0.1	945.52	8026.2	11.9	0.1	945.58	8043.2	0	0.1	14
15	922.88	3249.7	0.4	0.1	925.95	3717.9	61.2	0.1	945.60	8048.8	13.3	0.1	945.55	8034.7	0	2.7	15
16	922.87	3248.3	0	0.1	927.72	4013.4	149.2	0.1	945.79	8102.4	28.5	0.1	945.51	8023.4	0	4.1	16
17	922.87	3248.3	0.5	0.1	928.01	4062.8	25.4	0.1	945.96	8156.1	28.0	0.1	945.47	8012.1	0	4.2	17
18	922.86	3246.9	0	0.1	928.28	4110.2	24.5	0.1	946.08	8164.7	15.1	0.1	945.40	7992.4	0	8.5	18
19	923.83	3359.1	72.0	0.1	928.50	4148.7	19.9	0.1	946.16	8207.8	13.3	0.1	945.35	7978.3	0	5.7	19
20	924.12	3432.5	22.1	0.1	928.99	4234.5	43.6	0.1	946.26	8235.7	16.4	0.1	945.29	7961.3	0	7.4	20
21	924.15	3437.1	2.8	0.1	929.38	4304.8	35.7	0.1	946.32	8254.0	10.4	0.1	945.25	7950.0	0	3.9	21
22	924.17	3440.2	1.8	0.1	930.11	4437.1	67.2	0.1	946.31	8251.1	0	0.1	945.21	7938.8	0	3.9	22
23	924.17	3440.2	0.4	0.1	930.32	4476.2	20.3	0.1	946.29	8245.4	0	0.1	945.17	7927.5	0	4.3	23
24	924.61	3507.4	34.1	0.1	930.53	4515.2	20.2	0.1	946.27	8239.6	0.7	2.1	945.11	7910.5	0	6.7	24
25	924.71	3522.7	7.9	0.1	930.73	4552.4	19.3	0.1	946.22	8225.2	0	3.7	945.05	7893.6	0	6.7	25
26	924.72	3524.2	1.5	0.1	930.92	4587.7	18.5	0.1	946.20	8219.4	0	0.1	944.97	7871.2	0	8.6	26
27	924.73	3525.7	1.5	0.1	931.34	4667.9	41.1	0.1	946.19	8216.5	0	0.1	944.89	7849.2	0	8.7	27
28	924.86	3545.6	10.7	0.1	931.50	4698.7	16.0	0.1	946.15	8205.0	0	3.5	944.81	7827.2	0	8.5	28
29					931.62	4721.7	12.3	0.1	946.11	8193.4	0	3.7	944.73	7805.1	0	9.2	29
30					931.78	4752.4	16.0	0.1	946.07	8181.9	0	3.5	944.65	7783.1	0	9.2	30
31					931.87	4769.7	9.3	0.1					944.58	7763.8	0	8.1	31
TOTAL			690.7	2.8			632.6	3.1			1779.9	19.0			0	164.9	
Inf. Ac. Ft.			1370.0				1254.7				3530.4				0	6634.5	
Outf. Ac. Ft.			5.6+(16.3)				6.1+(24.4)				35.7+(62.5)				327.1+(91.0)		418.8+(284.2)
Maximum Mean Daily Inflow			266.3				149.2				302.4				0	302.4	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		+1348.1				+1224.1				+3412.2				-418.1			+5931.3

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	946.32	feet	on	4/22/58	Storage	8254.0	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	910.88	feet	on	10/10/57	Storage	1823.9	Acre Feet	F.A. POLLARD	Dam Tender	Gage Hts. copied	FES	JPR
Max. Peak Inf.	690.	C.F.S. from		8:00 A.M. on 4/3/58	to	9:00 A.M.	on 4/3/58	R.J. SARASUA	Hydrographer	Storage applied	FES	JPR
Max. Peak Outf.	8.0	C.F.S. from		VAR. DAYS on	to	on			Hydrographer	Inf. & Outf. comp.	FES	JPR

REMARKS ( ) INDICATES EVAPORATION AND OTHER LOSSES
INFLOW, DURING NO RAIN, DUE TO IRRIGATION WASTE

76D 138N-68B Glb 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of PUDDINGSTONE Dam

~~In~~ On Puddingstone Creek for the Year Ending September 30, 19 58

Continuous Water Stage Recorder Au

Drainage Area 32.1 Square Miles. Capacity of Reservoir 17,190 Ac. Ft. at Spillway Elev. 970.0 Ft. as of January 19 41

Gage Heights Read daily

Day	June				July				August				September				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	944.50	7741.8	0	9.4	942.40	7177.7	0	8.9	940.02	5572.4	0.2	7.3	937.80	6041.0	0.5	7.5	1
2	944.43	7722.5	0	8.3	942.32	7156.7	0	8.7	939.94	5552.8	0.2	8.0	937.75	6029.5	0.5	6.0	2
3	944.35	7700.4	0	9.2	942.24	7135.7	0	8.8	939.87	5535.8	0.2	8.0	937.69	6015.6	0.5	6.0	3
4	944.29	7683.9	0	6.7	942.17	7117.3	0	7.4	939.79	5516.3	0.2	8.0	937.64	6004.1	0.5	6.0	4
5	944.22	7664.6	0	7.7	942.09	7096.3	0	8.8	939.70	5494.4	0.2	8.0	937.58	5990.2	0.5	6.0	5
6	944.15	7645.3	0	7.6	942.01	7075.3	0	8.7	939.62	5475.0	0.2	8.0	937.53	5978.7	0.5	6.0	6
7	944.08	7626.0	0	7.9	941.93	7054.6	0	8.1	939.54	5455.5	0.2	8.0	937.49	5969.4	0.5	6.0	7
8	944.02	7609.5	0	6.6	941.85	7034.3	0	8.0	939.47	5438.5	0.2	8.0	937.42	5953.3	0.5	7.1	8
9	943.96	7593.2	0	6.2	941.76	7011.3	0	8.9	939.38	5416.6	0.2	8.0	937.35	5937.1	0.5	7.0	9
10	943.90	7577.1	0	6.4	941.68	6990.8	0	7.9	939.29	5394.7	0.2	8.0	937.27	5918.6	0.4	8.0	10
11	943.83	7558.3	0	8.1	941.60	6970.4	0	8.3	939.21	5375.3	0.2	8.0	937.20	5902.5	0.4	8.0	11
12	943.77	7542.2	0	6.3	941.52	6949.9	0	8.6	939.13	5355.8	0.2	8.0	937.13	5886.3	0.4	6.0	12
13	943.70	7523.3	0	7.8	941.44	6929.5	0	8.4	939.06	5338.8	0.2	8.0	937.11	5881.7	0.4	1.0	13
14	943.63	7504.5	0	7.6	941.36	6909.0	0	8.8	938.98	5319.5	0.2	8.0	937.10	5879.4	0.4	0.1	14
15	943.56	7485.7	0	7.5	941.28	6888.5	0	8.4	938.95	5312.4	0.2	4.3	937.06	5874.8	0.4	0.1	15
16	943.49	7466.9	0	8.1	941.21	6870.6	0	7.2	938.90	5300.5	0.2	5.3	937.04	5865.5	0.4	0.1	16
17	943.48	7450.7	0	6.5	941.13	6850.2	0	8.3	938.81	5279.2	0.2	8.0	937.03	5863.2	0.4	0.1	17
18	943.37	7434.6	0	5.9	941.05	6829.7	0	8.4	938.74	5262.6	0.2	7.7	937.01	5858.6	0.4	0.1	18
19	943.30	7415.8	0	7.4	940.97	6809.4	0	8.5	938.68	5248.4	0.2	6.7	936.99	5854.0	0.4	0.1	19
20	943.24	7399.6	0	6.2	940.90	6792.0	0	6.6	938.61	5231.8	0.2	6.7	936.97	5849.6	0.4	0.1	20
21	943.16	7378.1	0	8.9	940.82	6772.0	0	8.6	938.55	5217.6	0.2	6.7	936.96	5847.3	0.4	0.1	21
22	943.11	7364.7	0	4.2	940.75	6754.5	0	7.5	938.48	5201.0	0.1	6.7	936.94	5842.8	0.4	0.1	22
23	943.02	7340.5	0	10.0	940.68	6737.1	0	7.2	938.42	5186.7	0.1	6.7	936.94	5842.8	0.4	0.1	23
24	942.94	7319.3	0	8.8	940.61	6719.6	0	7.0	938.35	5170.2	0.1	6.7	936.93	5840.6	0.4	0.1	24
25	942.86	7298.4	0	8.6	940.53	6699.6	0	8.5	938.28	5153.6	0.1	6.8	936.92	5838.3	0.4	0.1	25
26	942.79	7280.0	0	7.4	940.46	6682.2	0	7.0	938.20	5134.6	0.1	8.1	936.90	5833.8	0.4	0.1	26
27	942.71	7259.0	0	8.9	940.39	6664.7	0	7.1	938.12	5115.6	0.1	8.2	936.88	5829.3	0.4	0.1	27
28	942.63	7238.0	0	8.7	940.32	6647.2	0	7.1	938.04	5096.7	0.1	8.1	936.87	5827.1	0.4	0.1	28
29	942.56	7219.6	0	7.1	940.25	6629.8	0	7.0	937.96	5078.0	0.1	8.2	936.85	4822.6	0.4	0.1	29
30	942.48	7198.7	0	8.3	940.17	6609.8	0	8.3	937.90	5064.1	0.1	5.9	936.84	5820.3	0.4	0.1	30
31					940.10	6592.4	0	6.9	937.85	5052.6	0.1	4.7					31
TOTAL			0	228.3			0	247.9			5.2	226.9			12.9	82.3	
Inf. Ac. Ft.			0				0				10.3				25.5	6670.3	
Outf. Ac. Ft.			452.8 + (112.4)				491.7 + (114.6)				450.0 + (100.2)				163.2 + (94.6)		1976.5 + (706.0)
Maximum Mean Daily Inflow			0				0				0.2				0.5	302.4	
Minimum Mean Daily Inflow			0				0				0.1				0.4	0	
Storage Change			-565.1				-606.3				-539.8				-232.3		+3987.8

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	946.32	feet	on	4/22/58	Storage	8254.0	Acre Feet		
Min. W. S. Elev.	910.88	feet	on	10/10/57	Storage	1823.9	Acre Feet		
Max. Peak Inf.	690.	C. F. S. from	8:00 A.M.	on	4/3/58	to	9:00 A.M.	on	4/3/58
Max. Peak Outf.	8.0	C. F. S. from	on VAR. DAYS			to		on	

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
F. A. POLLARD	Dam Tender	Gage Hts. copied	FES JPR	
R. J. SARASUA	Hydrographer	Storage applied	FES JPR	
	Hydrographer	Inf. & Outf. comp.	FES JPR	

REMARKS
(INDICATES STORAGE FOR PERIOD
( ) INDICATES EVAPORATION AND OTHER LOSSES
INFLOW, DURING NO RAIN, DUE TO IRRIGATION WASTE

76D 138N-68B Glb 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of PUDDINGSTONE Dam

~~In~~ On Puddingstone Creek for the Year Ending September 30, 19 59

Continuous Water Stage Recorder Au

Drainage Area 32.1 Square Miles. Capacity of Reservoir 17,190 Ac. Ft. at Spillway Elev. 970.0 Ft. as of January 19 41

Gage Heights Read daily

Day	October				November				December				January				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	936.83	5818.1	0	0.1	936.42	5725.9	0	0.1	936.12	5658.4	0.1	0.1	935.89	5607.3	0	0.1	1
2	936.81	5813.6	0	0.1	936.41	5723.6	0	0.1	936.11	5656.1	0.1	0.1	935.89	5607.3	0	0.1	2
3	936.78	5806.8	0	0.1	936.39	5719.1	0	0.1	936.11	5656.1	0.1	0.1	935.88	5605.1	0	0.1	3
4	936.77	5804.6	0	0.1	936.38	5716.9	0	0.1	936.10	5653.9	0.1	0.1	935.87	5602.9	0	0.1	4
5	936.75	5800.1	0	0.1	936.37	5714.6	0	0.1	936.09	5651.6	0.1	0.1	935.91	5611.7	4.5	0.1	5
6	936.74	5797.8	0	0.1	936.36	5712.4	0	0.1	936.09	5651.6	0.1	0.1	936.51	5746.1	68.0	0.1	6
7	936.72	5793.3	0	0.1	936.35	5710.1	0	0.1	936.08	5649.4	0.1	0.1	936.50	5743.8	0	0.1	7
8	936.71	5791.1	0	0.1	936.35	5710.1	0	0.1	936.07	5647.1	0.1	0.1	936.50	5743.8	0	0.1	8
9	936.70	5788.8	0	0.1	936.34	5707.9	0	0.1	936.07	5647.1	0.1	0.1	936.49	5741.6	0	0.1	9
10	936.69	5786.6	0	0.1	936.36	5712.4	0	0.1	936.06	5644.9	0.1	0.1	936.49	5741.6	0	0.1	10
11	936.68	5784.3	0	0.1	936.35	5710.1	0	0.1	936.05	5642.6	0.1	0.1	936.49	5741.6	0	0.1	11
12	936.66	5779.8	0	0.1	936.34	5707.9	0	0.1	936.04	5640.4	0.1	0.1	936.48	5739.4	0	0.1	12
13	936.65	5777.6	0	0.1	936.34	5707.9	0	0.1	936.04	5640.4	0.1	0.1	936.48	5739.4	0	0.1	13
14	936.63	5773.1	0	0.1	936.32	5703.4	0	0.1	936.03	5638.1	0.2	0.1	936.48	5739.4	0	0.1	14
15	936.61	5768.6	0	0.1	936.31	5701.1	0	0.1	936.01	5633.6	0.2	0.1	936.47	5737.1	0	0.1	15
16	936.60	5766.3	0	0.1	936.30	5698.9	0	0.1	936.00	5631.4	0.2	0.1	936.46	5734.9	0	0.1	16
17	936.59	5764.1	0	0.1	936.27	5692.1	0	0.1	935.99	5629.2	0.2	0.1	936.46	5734.9	0	0.1	17
18	936.56	5757.3	0	0.1	936.25	5687.6	0	0.1	935.98	5627.0	0.2	0.1	936.46	5734.9	0	0.1	18
19	936.55	5755.1	0	0.1	936.24	5685.4	0	0.1	935.97	5624.8	0.2	0.1	936.45	5732.6	0	0.1	19
20	936.54	5752.8	0	0.1	936.23	5683.1	0	0.1	935.97	5624.8	0.2	0.1	936.44	5730.4	0	0.1	20
21	936.52	5748.3	0	0.1	936.22	5680.9	0	0.1	935.96	5622.6	0.2	0.1	936.43	5728.1	0	0.1	21
22	936.51	5746.1	0	0.1	936.21	5678.6	0	0.1	935.96	5622.6	0.2	0.1	936.42	5725.9	0	0.1	22
23	936.50	5743.8	0	0.1	936.20	5676.4	0	0.1	935.95	5620.4	0.2	0.1	936.42	5725.9	0	0.1	23
24	936.52	5748.3	0	0.1	936.19	5674.1	0	0.1	935.95	5620.4	0.2	0.1	936.41	5723.6	0	0.1	24
25	936.52	5748.3	0	0.1	936.18	4671.9	0	0.1	935.95	5620.4	0.2	0.1	936.41	5723.6	0	0.1	25
26	936.51	5746.1	0	0.1	936.18	5671.9	0	0.1	935.93	5616.1	0.2	0.1	936.40	5721.4	0	0.1	26
27	936.50	5743.8	0	0.1	936.17	5669.6	0	0.1	935.93	5616.1	0.2	0.1	936.39	5719.1	0	0.1	27
28	936.49	5741.6	0	0.1	936.16	5667.4	0	0.1	935.93	5616.1	0.2	0.1	936.38	5716.9	0	0.1	28
29	936.47	5737.1	0	0.1	936.14	5662.9	0	0.1	935.91	5611.7	0.2	0.1	936.37	5714.6	0	0.1	29
30	936.46	5734.9	0	0.1	936.13	5660.6	0	0.1	935.90	5609.5	0.2	0.1	936.36	5712.4	0	0.1	30
31	936.44	5730.4	0	0.1					935.90	5609.5	0.2	0.1	936.36	5712.4	0	0.1	31
TOTAL			0	3.1			0	3.0			4.9	3.1			72.5	3.1	
Inf. Ac. Ft.			0				0				9.7				143.8	153.5	
Outf. Ac. Ft.			62.+ (83.7)				60. + (63.6)				61. + (54.7)				61. + (34.7)		24.4 + (236.9)
Maximum Mean Daily Inflow			0				0				0.2				68.0	68.0	
Minimum Mean Daily Inflow			0				0				0.1				0	0	
Storage Change			-89.9				-69.8				-51.1				+102.9		-107.9

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	936.95	feet	on	VARIOUS DAYS	Storage	5845.	Acre Feet		
Min. W. S. Elev.	933.45	feet	on	9/30/59	Storage	5086.	Acre Feet		
Max. Peak Inf.	871.0	C. F. S. from	530AM.	on	1/6/59	to	545AM.	on	1/6/59
Max. Peak Outf.	0.10	C. F. S. from	on VARIOUS DAYS			to		on	

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
F. A. POLLARD	Dam Tender	Gage Hts. copied	TS RAP	
R. J. SARASUA	Hydrographer	Storage applied	TS RAP	
	Hydrographer	Inf. & Outf. comp.	TS RAP	

REMARKS
( ) INDICATES EVAPORATION AND OTHER LOSSES
[INDICATES AVERAGE FOR PERIOD
INFLOW, DURING PERIODS OF NO RAIN, DUE TO IRRIGATION WASTE.

76D138N-68B Gib 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of PUDDINGSTONE Dam

~~In~~ On Puddingstone Creek for the Year Ending September 30, 19 59

Continuous Water Stage Recorder Au

Drainage Area 32.1 Square Miles. Capacity of Reservoir 17,190. Ac. Ft. at Spillway Elev. 970.0 Ft. as of January, 19 41

Gage Heights Read daily

Day	February				March				April				May				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	936.35	5710.1	0	0.1	936.89	5831.6	0	0.1	936.53	5750.6	0.2	0.1	936.28	5694.4	0	0.1	1
2	936.33	5705.6	0	0.1	936.89	5831.6	0.8	0.1	936.51	5746.1	0	0.1	936.26	5689.9	0	0.1	2
3	936.32	5703.4	0	0.1	936.87	5827.1	0	0.1	936.50	5743.9	0	0.1	936.24	5685.4	0	0.1	3
4	936.32	5703.4	0.6	0.1	936.86	5824.8	0.3	0.1	936.48	5739.4	0	0.1	936.22	5680.9	0	0.1	4
5	936.31	5701.1	0	0.1	936.85	5822.6	0.3	0.1	936.48	5739.4	0.9	0.1	936.20	5676.4	0	0.1	5
6	936.30	5698.9	0	0.1	936.83	5818.1	0	0.1	936.47	5737.1	0	0.1	936.18	5671.9	0	0.1	6
7	936.30	5698.9	0.2	0.1	936.83	5818.1	0.8	0.1	936.46	5734.9	0	0.1	936.17	5669.6	0.3	0.1	7
8	936.38	5716.9	9.5	0.1	936.83	5818.1	1.0	0.1	936.45	5732.6	0	0.1	936.14	5662.9	0	0.1	8
9	936.37	5714.6	0	0.1	936.81	5813.6	0	0.1	936.44	5730.4	0	0.1	936.13	5660.6	0.2	0.1	9
10	936.38	5716.9	1.3	0.1	936.80	5811.3	0	0.1	936.42	5725.9	0	0.1	936.12	5658.4	0	0.1	10
11	936.66	5779.8	32.4	0.1	936.79	5809.1	0.8	0.1	936.41	5723.6	0.3	0.1	936.11	5656.1	0	0.1	11
12	936.66	5779.8	0.7	0.1	936.77	5804.6	0	0.1	936.39	5719.1	0.1	0.1	936.09	5651.6	0	0.1	12
13	936.65	5777.6	0	0.1	936.77	5804.6	0.9	0.1	936.38	5716.9	0.1	0.1	936.07	5647.1	0	0.1	13
14	936.64	5775.3	0	0.1	936.75	5800.1	0	0.1	936.37	5714.6	0	0.1	936.06	5644.9	0	0.1	14
15	936.65	5777.6	2.1	0.1	936.74	5797.8	0	0.1	936.35	5710.1	0	0.1	936.05	5642.6	0.4	0.1	15
16	936.90	5833.8	28.5	0.1	936.72	5793.3	0	0.1	936.34	5707.9	0	0.1	936.03	5638.1	0	0.1	16
17	936.90	5833.8	0.3	0.1	936.71	5791.1	0	0.1	936.32	5703.4	0	0.1	936.02	5635.9	0	0.1	17
18	936.90	5833.8	0.5	0.1	936.70	5788.8	0	0.1	936.31	5701.1	0	0.1	936.00	5631.4	0	0.1	18
19	936.90	5833.8	0.6	0.1	936.69	5786.6	0	0.1	936.30	5698.9	0	0.1	935.99	5629.2	0.2	0.1	19
20	936.90	5833.8	0.5	0.1	936.67	5782.1	0	0.1	936.29	5696.6	0	0.1	935.98	5627.0	0.2	0.1	20
21	936.95	5845.1	6.4	0.1	936.66	5779.8	0.2	0.1	936.27	5692.1	0	0.1	935.96	5622.6	0	0.1	21
22	936.95	5845.1	0.6	0.1	936.65	5777.6	0	0.1	936.26	5689.9	0.1	0.1	935.94	5618.2	0	0.1	22
23	936.94	5842.8	0	0.1	936.63	5773.1	0	0.1	936.24	5685.4	0	0.1	935.93	5616.0	0.3	0.1	23
24	936.93	5840.6	0	0.1	936.62	5770.8	0.1	0.1	936.23	5683.1	0.1	0.1	935.91	5611.7	0	0.1	24
25	936.93	5840.6	1.2	0.1	936.60	5766.3	0	0.1	936.27	5692.1	5.5	0.1	935.90	5609.5	0	0.1	25
26	936.91	5836.1	0	0.1	936.59	5764.1	0	0.1	936.35	5710.1	9.2	0.1	935.89	5607.3	0	0.1	26
27	936.90	5833.8	0	0.1	936.58	5761.8	0	0.1	936.34	5707.9	0	0.1	935.87	5602.9	0	0.1	27
28	936.90	5833.8	0.9	0.1	936.57	5759.6	0	0.1	936.32	5703.4	0	0.1	935.86	5600.7	0.2	0.1	28
29					936.56	5757.3	0	0.1	936.31	5701.1	0	0.1	935.84	5596.3	0	0.1	29
30					936.55	5755.1	0	0.1	936.29	5696.6	0	0.1	935.83	5594.1	0.4	0.1	30
31					936.54	5752.8	0	0.1			16.5		935.81	5589.8	0	0.1	31
TOTAL			86.3	2.8			5.2	3.1			16.5	3.0			2.2	3.1	
Inf. Ac. Ft.			1712				103				327				4.4	372.1	
Outf. Ac. Ft.			56+(443)				61+(851)				60+(830)				61+(1051)	48.2+(554.4)	
Maximum Mean Daily Inflow			32.4				1.0				9.2				0.4	68.0	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change			+1214				-810				-562				-1068	-230.5	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	936.95	feet	on VARIOUS DAYS	Storage	5845	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	933.45	feet	on 9/30/59	Storage	5086.	Acre Feet	F.A. POLLARD	Dam Tender	Gage Hts. copied	TS RAP
Max. Peak Inf.	871.0	C.F.S. from	5:30 A.M. on	1/6/59	to 5:45 A.M.	on 1/6/59	R.J. SARASUA	Hydrographer	Storage applied	TS RAP
Max. Peak Outf.	0.10	C.F.S. from		on VARIOUS DAYS	to	on		Hydrographer	Inf. & Outf. comp.	TS RAP

REMARKS ( ) INDICATES EVAPORATION AND OTHER LOSSES

INFLOW DURING PERIODS OF NO RAIN, DUE TO IRRIGATION WASTE.

76D138N-68B Gib 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of PUDDINGSTONE Dam

~~In~~ On Puddingstone Creek for the Year Ending September 30, 19 59

Continuous Water Stage Recorder Au

Drainage Area 32.1 Square Miles. Capacity of Reservoir 17,190. Ac. Ft. at Spillway Elev. 970.0 Ft. as of January, 19 41

Gage Heights Read daily

Day	June				July				August				September				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	935.80	5587.6	0.3	0.1	935.25	5467.0	0.5	0.1	935.53	5312.1	0	0.1	933.66	5174.6	0	0.1	1
2	935.79	5585.4	0.3	0.1	935.23	5462.6	0	0.1	934.51	5307.9	0	0.1	933.86	5170.2	0	0.1	2
3	935.77	5581.0	0	0.1	935.21	5458.2	0	0.1	934.49	5303.5	0	0.1	933.84	5166.1	0	0.1	3
4	935.75	5576.6	0	0.1	935.19	5453.8	0	0.1	934.46	5297.2	0	0.1	933.83	5164.2	0.2	0.1	4
5	935.74	5574.4	0.2	0.1	935.16	5447.3	0	0.1	934.43	5290.8	0	0.1	933.81	5160.2	0	0.1	5
6	935.72	5570.0	0	0.1	935.13	5440.7	0	0.1	934.42	5288.7	0.4	0.1	933.80	5158.1	0	0.1	6
7	935.70	5565.6	0	0.1	935.11	5436.3	0	0.1	934.39	5282.3	0	0.1	933.78	5154.0	0	0.1	7
8	935.69	5563.4	0.2	0.1	935.08	5429.7	0	0.1	934.37	5278.1	0.3	0.1	933.76	5149.9	0	0.1	8
9	935.68	5561.3	0.3	0.1	935.06	5425.4	0.6	0.1	934.35	5273.8	0	0.1	933.74	5145.8	0	0.1	9
10	935.66	5556.9	0	0.1	935.03	5418.8	0	0.1	934.33	5269.6	0	0.1	933.73	5143.7	0.8	0.1	10
11	935.64	5552.5	0	0.1	935.01	5414.4	0.5	0.1	934.30	5263.2	0	0.1	933.72	5141.7	0	0.1	11
12	935.62	5548.1	0	0.1	934.99	5410.1	0	0.1	934.28	5258.9	0	0.1	933.70	5137.6	0	0.1	12
13	935.61	5545.9	0.2	0.1	934.96	5403.7	0	0.1	934.27	5256.6	0.3	0.1	933.69	5135.5	0	0.1	13
14	935.59	5541.5	0	0.1	934.93	5397.3	0	0.1	934.24	5250.4	0	0.1	933.67	5131.4	0	0.1	14
15	935.57	5537.1	0	0.1	934.91	5393.0	0	0.1	934.21	5244.0	0	0.1	933.66	5129.3	0.1	0.1	15
16	935.54	5530.6	0	0.1	934.89	5388.6	0	0.1	934.19	5239.8	0	0.1	933.64	5125.2	0	0.1	16
17	935.52	5526.2	0	0.1	934.87	5384.5	0	0.1	934.17	5235.5	0	0.1	933.62	5121.1	0	0.1	17
18	935.51	5524.0	0.8	0.1	934.84	5378.1	0	0.1	934.15	5231.2	0	0.1	933.61	5119.0	0	0.1	18
19	935.49	5519.6	0	0.1	934.82	5373.9	0	0.1	934.12	5224.8	0	0.1	933.59	5114.9	0	0.1	19
20	935.46	5513.0	0	0.1	934.80	5369.6	0	0.1	934.10	5220.6	0	0.1	933.58	5112.9	0	0.1	20
21	935.45	5510.8	0.6	0.1	934.77	5363.2	0	0.1	934.10	5220.6	1.7	0.1	933.56	5108.7	0	0.1	21
22	935.42	5504.3	0	0.1	934.75	5359.0	0	0.1	934.08	5216.3	0	0.1	933.53	5102.6	0	0.1	22
23	935.40	5499.9	0	0.1	934.73	5354.7	0	0.1	934.06	5212.1	0	0.1	933.53	5102.6	1.1	0.1	23
24	935.37	5493.3	0	0.1	934.71	5350.5	0	0.1	934.02	5203.5	0	0.1	933.52	5100.5	0	0.1	24
25	935.35	5488.9	0	0.1	934.70	5348.3	0.5	0.1	934.01	5201.4	0	0.1	933.51	5098.5	0	0.1	25
26	935.33	5484.5	0	0.1	934.67	5341.9	0	0.1	933.99	5197.2	0	0.1	933.50	5096.4	0	0.1	26
27	935.32	5482.3	0	0.1	934.65	5337.7	0	0.1	933.97	5193.1	0	0.1	933.49	5094.4	0	0.1	27
28	935.31	5480.2	0.1	0.1	934.63	5333.4	0	0.1	933.96	5191.1	0.4	0.1	933.47	5090.2	0	0.1	28
29	935.29	5475.8	0	0.1	934.61	5329.2	0	0.1	933.94	5187.0	0	0.1	933.46	5088.2	0	0.1	29
30	935.26	5469.2	0	0.1	934.58	5322.8	0	0.1	933.91	5180.9	0	0.1	933.45	5086.1	0	0.1	30
31					934.56	5318.5	0	0.1	933.90	5178.7	0.5	0.1					31
TOTAL			3.0	3.0			2.1	3.1			3.8	3.1			2.3	3.0	
Inf. Ac. Ft.			60				42				75				4.6	394.4	
Outf. Ac. Ft.			60+(120.6)				61+(148.6)				61+(141.2)				60+(97.2)	72.4+(1062.2)	
Maximum Mean Daily Inflow			0.8				0.6				1.9				1.1	68.0	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change			-120.6				-150.7				-139.8				-92.6	-734.2	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	936.95	feet	on VARIOUS DAYS	Storage	5845.	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	933.45	feet	on 9/30/59	Storage	5086.	Acre Feet	F.H. POLLARD	Dam Tender	Gage Hts. copied	TS RAP
Max. Peak Inf.	871.0	C.F.S. from	5:30 A.M. on	1/6/59	to 5:45 A.M.	on 1/6/59	R.J. SARASUA	Hydrographer	Storage applied	TS RAP
Max. Peak Outf.	0.10	C.F.S. from		on VAR. DAYS	to	on		Hydrographer	Inf. & Outf. comp.	TS RAP

REMARKS ( ) INDICATES EVAPORATION AND OTHER LOSSES

INFLOW DURING PERIODS OF NO RAIN, DUE TO IRRIGATION WASTE.

76D138N-688 Qlb 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of LIVE OAK Dam

In Live Oak Canyon for the Year Ending September 30, 1956

Drainage Area 2.3 Square Miles. Capacity of Reservoir 221.1 Ac. Ft. at Spillway Elev. 1497.0 Ft. as of November, 1952

Continuous Water Stage Recorder Au

Gage Heights Read at various times

Day	October Gage Height	October Acre Ft. Storage	October C.F.S. Inflow	October C.F.S. Outflow	November Gage Height	November Acre Ft. Storage	November C.F.S. Inflow	November C.F.S. Outflow	December Gage Height	December Acre Ft. Storage	December C.F.S. Inflow	December C.F.S. Outflow	January Gage Height	January Acre Ft. Storage	January C.F.S. Inflow	January C.F.S. Outflow	Day
1			0	0			0	0			0	0	1459.0	6.33	0	0	1
2			0	0			0	0			0	0	1459.0	6.33	0	0	2
3			0	0			0	0			0	0	1459.1	6.45	0.1	0	3
4			0	0			0	0			0	0	1459.1	6.45	0	0	4
5			0	0			0	0			0	0	1459.1	6.45	0	0	5
6			0	0			0	0		NO STORAGE	0	0	1459.1	6.45	0	0	6
7			0	0			0	0			0	0	1459.1	6.45	0	0	7
8			0	0			0	0			0	0	1459.1	6.45	0	0	8
9			0	0			0	0			0	0	1459.1	6.45	0	0	9
10			0	0			0	0			0	0	1459.1	6.45	0	0	10
11			0	0			0	0			0	0	1459.1	6.45	0	0	11
12			0	0			0	0			0	0	1459.1	6.45	0	0	12
13			0	0			0	0			0	0	1459.0	6.33	0	0	13
14			0	0			0	0			0	0	1459.0	6.33	0	0	14
15			0	0			0	0			0	0	1459.0	6.33	0	0	15
16			0	0			0	0	1449.9	0.58	0.3	0	1459.0	6.33	0	0	16
17			0	0			0	0	1458.3	5.59	2.5	0	1459.0	6.33	0	0	17
18			0	0			0	0	1458.4	5.69	+	0	1459.0	6.33	0	0	18
19			0	0			0	0	1458.5	5.80	0.1	0	1459.0	6.33	0	0	19
20			0	0			0	0	1458.6	5.91	+	0	1459.0	6.33	0	0	20
21			0	0			0	0	1458.7	6.01	0.1	0	1459.0	6.33	0	0	21
22			0	0			0	0	1458.7	6.01	0	0	1459.0	6.33	0	0	22
23			0	0			0	0	1458.8	6.12	0.1	0	1459.0	6.33	0	0	23
24			0	0			0	0	1458.9	6.22	+	0	1459.0	6.33	0	0	24
25			0	0			0	0	1459.0	6.33	0.1	0	1459.2	6.57	0.1	0	25
26			0	0			0	0	1459.0	6.33	0	0	1462.7	11.6	2.5	0	26
27			0	0			0	0	1459.0	6.33	0	0	1463.2	12.5	0.4	0	27
28			0	0			0	0	1459.0	6.33	0	0	1463.3	12.6	+	0	28
29			0	0			0	0	1459.0	6.33	0	0	1463.4	12.8	0.2	0	29
30			0	0			0	0	1459.0	6.33	0	0	1463.4	12.8	0	0	30
31			0	0					1459.0	6.33	0	0	1463.4	12.8	0	0	31
TOTAL			0	0			0	0			3.2	0			3.3	0	
Inf. Ac. Ft.			0				0				6.3				6.5	12.8	
Outf. Ac. Ft.			0				0				0				0	0	
Maximum Mean Daily Inflow			0				0				2.5				2.5	2.5	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		0				0				+6.3				+6.5		+12.8	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1487.4	feet	on	4/8/58	Storage	128.2	Acre Feet		
Min. W. S. Elev.	1444.±	feet	on	VAR. DAYS	Storage	0	Acre Feet		
Max. Peak Inf.	67.1	C.F.S. from	7:00 A.M.	on	4/3/58	to	8:00 A.M.	on	4/3/58
Max. Peak Outf.	18.8	C.F.S. from	9:20 A.M.	on	2/4/58	to	1:00 P.M.	on	2/5/58

RECORDS COLLECTED BY: R.J. SARASUA (Dam Tender, Hydrographer, Hydrographer)

COMPUTATIONS	ckd.	Date
Gage Hts. copied	FES JPR	
Storage applied	FES JPR	
Inf. & Outf. comp.	FES JPR	

REMARKS

76D138N-688 Qlb 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of LIVE OAK Dam

In Live Oak Canyon for the Year Ending September 30, 1956

Drainage Area 2.3 Square Miles. Capacity of Reservoir 221.1 Ac. Ft. at Spillway Elev. 1497.0 Ft. as of November, 1952

Continuous Water Stage Recorder Au

Gage Heights Read at various times

Day	February Gage Height	February Acre Ft. Storage	February C.F.S. Inflow	February C.F.S. Outflow	March Gage Height	March Acre Ft. Storage	March C.F.S. Inflow	March C.F.S. Outflow	April Gage Height	April Acre Ft. Storage	April C.F.S. Inflow	April C.F.S. Outflow	May Gage Height	May Acre Ft. Storage	May C.F.S. Inflow	May C.F.S. Outflow	Day
1	1463.5	13.0	0.1	0	1471.6	35.0	0.9	0.9	1481.5	34.7	22.9	2.9	1481.9	37.3	2.3	2.7	1
2	1463.6	13.2	0.1	0	1471.4	34.3	0.5	0.9	1480.3	29.8	10.7	5.6	1481.6	36.7	2.4	2.7	2
3	1465.9	20.4	3.6	0	1471.2	33.6	0.5	0.9	1486.9	124.1	25.6	10.8	1481.6	35.4	2.1	2.7	3
4	1479.4	71.8	37.7	11.8	1470.9	32.5	0.4	0.9	1486.5	120.9	11.3	12.9	1481.4	34.1	2.0	2.7	4
5	1477.2	59.7	6.7	12.6	1470.6	31.5	0.4	0.9	1485.3	111.7	7.0	11.7	1481.3	33.4	2.4	2.7	5
6	1476.1	54.2	3.1	5.8	1470.9	32.5	1.4	0.9	1484.1	102.7	7.2	11.7	1481.1	32.1	2.0	2.7	6
7	1475.1	49.4	1.7	4.1	1470.8	32.2	0.7	0.9	1487.2	126.5	23.7	11.7	1480.9	30.9	2.0	2.6	7
8	1475.0	49.0	0.7	0.9	1470.7	31.9	0.8	0.9	1487.2	126.5	11.7	11.7	1480.7	29.6	2.0	2.6	8
9	1474.9	48.5	0.7	0.9	1470.4	30.8	0.3	0.9	1486.5	120.9	7.2	10.0	1480.6	29.0	2.3	2.6	9
10	1474.7	47.7	0.4	0.9	1470.2	30.2	0.6	0.9	1485.5	113.2	4.5	9.4	1480.4	27.8	2.0	2.6	10
11	1474.4	46.3	0.2	0.9	1470.1	29.8	0.7	0.9	1484.7	107.2	3.5	6.5	1480.2	26.6	2.0	2.6	11
12	1474.1	45.0	0.3	0.9	1470.0	29.5	0.6	0.9	1484.4	104.9	2.6	3.8	1479.9	25.8	1.5	2.5	12
13	1473.8	43.7	0.2	0.9	1469.7	28.5	0.4	0.9	1484.4	104.9	2.7	2.7	1479.7	23.6	1.8	2.4	13
14	1473.5	42.5	0.3	0.9	1469.4	27.6	0.4	0.9	1484.2	103.5	2.0	2.7	1479.5	22.4	1.7	2.3	14
15	1473.1	40.8	0.1	0.9	1470.0	29.5	1.9	0.9	1484.0	102.0	1.9	2.7	1479.3	21.2	1.6	2.2	15
16	1472.7	39.2	0.1	0.9	1473.9	44.2	13.6	6.2	1483.8	100.5	2.0	2.7	1479.1	20.1	1.6	2.1	16
17	1472.3	37.6	0.1	0.9	1473.0	40.4	5.2	7.1	1483.7	99.6	2.3	2.7	1478.8	18.4	1.1	2.0	17
18	1471.9	36.1	0.1	0.9	1470.9	32.5	3.0	7.0	1483.6	99.1	2.4	2.7	1478.6	17.3	1.4	1.9	18
19	1472.5	38.4	2.1	0.9	1468.2	24.0	2.6	6.9	1483.5	98.4	2.3	2.7	1478.3	15.6	0.9	1.8	19
20	1472.3	37.6	0.5	0.9	1467.3	21.5	2.6	3.9	1483.3	96.9	2.0	2.7	1478.0	14.0	0.9	1.7	20
21	1472.0	36.5	0.3	0.9	1468.2	24.0	2.2	0.9	1483.1	95.5	2.0	2.7	1477.8	12.9	1.0	1.6	21
22	1471.7	35.4	0.3	0.9	1470.6	31.5	4.7	0.9	1482.9	94.1	2.0	2.7	1477.5	11.3	0.7	1.5	22
23	1471.4	34.3	0.4	0.9	1471.5	34.7	2.5	0.9	1482.8	93.4	2.3	2.7	1477.2	09.7	0.6	1.4	23
24	1471.0	32.9	0.2	0.9	1472.1	36.9	2.0	0.9	1482.7	92.7	2.3	2.7	1476.9	08.2	0.6	1.3	24
25	1471.7	35.4	2.1	0.9	1472.4	38.0	1.5	0.9	1482.6	92.1	2.4	2.7	1476.6	06.7	0.4	1.2	25
26	1471.6	35.0	0.7	0.9	1472.7	39.2	1.5	0.9	1482.5	91.4	2.4	2.7	1476.3	05.2	0.4	1.1	26
27	1471.5	34.7	0.6	0.9	1473.4	42.1	2.3	0.9	1482.4	90.7	2.3	2.7	1476.0	03.7	0.3	1.0	27
28	1471.6	35.0	1.0	0.9	1473.7	43.3	1.5	0.9	1482.2	89.3	2.0	2.7	1475.7	02.3	0.3	1.0	28
29					1473.6	43.7	1.1	0.9	1482.1	88.7	2.4	2.7	1475.4	00.9	0.2	1.0	29
30					1474.0	44.6	1.4	0.9	1482.0	88.0	2.4	2.7	1475.0	49.0	0.2	1.0	30
31					1474.1	45.0	1.1	0.9					1474.7	47.7	0.2	1.0	31
TOTAL			64.6	53.4			59.5	54.5			178.0	136.3			40.9	61.2	
Inf. Ac. Ft.			128.1				118.0				353.1				81.1	59.1	
Outf. Ac. Ft.			105.9				108.1				310.0				121.4	64.5.4	
Maximum Mean Daily Inflow			37.7				13.6				25.6				2.4	37.7	
Minimum Mean Daily Inflow			0.1				0.3				1.9				0.2	0	
Storage Change		+22.2				+10.0				+43.0				-40.3		+47.7	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1487.4	feet	on	4/8/58	Storage	128.2	Acre Feet		
Min. W. S. Elev.	1444.±	feet	on	VAR. DAYS	Storage	0	Acre Feet		
Max. Peak Inf.	67.1	C.F.S. from	7:00 A.M.	on	4/3/58	to	8:00 A.M.	on	4/3/58
Max. Peak Outf.	18.8	C.F.S. from	9:20 A.M.	on	2/4/58	to	1:00 P.M.	on	2/5/58

RECORDS COLLECTED BY: R.J. SARASUA (Dam Tender, Hydrographer, Hydrographer)

COMPUTATIONS	ckd.	Date
Gage Hts. copied	FES JPR	
Storage applied	FES JPR	
Inf. & Outf. comp.	FES JPR	

REMARKS (INDICATES AVERAGE FOR PERIOD

74D 138N-68B Clb 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of LIVE OAK Dam

In ~~Oa~~ Live Oak Canyon for the Year Ending September 30, 19 59

Continuous Water Stage Recorder Au

Drainage Area 2.3 Square Miles. Capacity of Reservoir 221.1 Ac. Ft. at Spillway Elev. 1497.0 Ft. as of November 18 52

Gage Heights Read at various times

Day	June Gage Height	June Acre Ft. Storage	June C.F.S. Inflow	June C.F.S. Outflow	July Gage Height	July Acre Ft. Storage	July C.F.S. Inflow	July C.F.S. Outflow	August Gage Height	August Acre Ft. Storage	August C.F.S. Inflow	August C.F.S. Outflow	September Gage Height	September Acre Ft. Storage	September C.F.S. Inflow	September C.F.S. Outflow	Day
1	1474.4	463	0.1	1.0	1458.1	5.4	0.1	0.4			0	0			0	0	1
2	1474.0	446	0.1	1.0	1457.2	4.5	0.1	0.4			0	0			0	0	2
3	1473.7	433	0.1	1.0	1456.2	3.7	0.1	0.4			0	0			0	0	3
4	1473.3	416	0.1	1.0	1455.2	3.0	0	0.4			0	0			0	0	4
5	1472.9	400	0.1	1.0	1454.1	2.3	0	0.3			0	0			0	0	5
6	1472.6	388	0.1	1.0	1453.1	1.7	0	0.3			0	0			0	0	6
7	1472.2	373	0.1	1.0	1452.0	1.2	0	0.2			0	0			0	0	7
8	1471.8	358	0.1	1.0	1451.0	0.9	0	0.2			0	0			0	0	8
9	1471.4	343	0.1	1.0	1450.0	0.6	0	0.2			0	0			0	0	9
10	1471.0	329	0.1	1.0	1449.5	0.5	0	0.1			0	0			0	0	10
11	1470.6	315	0.1	0.9	1449.2	0.4	0	0.1			0	0			0	0	11
12	1470.2	302	0.1	0.9	1449.0	0.4	0	0.1			0	0			0	0	12
13	1469.7	285	0.1	0.9	1448.8	0.4	0	0.1			0	0			0	0	13
14	1469.2	269	0.1	0.9	1448.6	0.3	0	0.1			0	0			0	0	14
15	1468.7	254	0.1	0.8	1448.5	0.3	0	0.1			0	0			0	0	15
16	1468.2	240	0.1	0.8	1448.4	0.3	0	0.1			0	0			0	0	16
17	1467.7	226	0.1	0.8			0	0.1			0	0			0	0	17
18	1467.2	212	0.1	0.8			0	0			0	0			0	0	18
19	1466.7	200	0.1	0.7			0	0			0	0			0	0	19
20	1466.1	185	0.1	0.6			0	0			0	0			0	0	20
21	1465.5	172	0.1	0.6			0	0			0	0			0	0	21
22	1465.0	161	0.1	0.6			0	0			0	0			0	0	22
23	1464.3	146	0.1	0.6			0	0			0	0			0	0	23
24	1463.6	132	0.1	0.6			0	0			0	0			0	0	24
25	1462.9	119	0.1	0.6			0	0			0	0			0	0	25
26	1462.3	109	0.1	0.6			0	0			0	0			0	0	26
27	1461.6	98	0.1	0.5			0	0			0	0			0	0	27
28	1460.8	86	0.1	0.5			0	0			0	0			0	0	28
29	1460.0	75	0	0.4			0	0			0	0			0	0	29
30	1459.1	64	0	0.4			0	0			0	0			0	0	30
31							0	0			0	0					31
TOTAL			2.8	23.6			0.3	3.6			0	0			0	0	
Inf. Ac. Ft.			5.5				0.6				0				0	6993	
Outf. Ac. Ft.			46.8				7.1				0				0	6993	
Maximum Mean Daily Inflow			0.1				0.1				0				0	37.7	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		-413				-6.4				0				0		0	

NO STORAGE

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1487.4	feet	on 4/8/58	Storage	128.2	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	1444.±	feet	on VAR. DAYS	Storage	0	Acre Feet		Dam Tender	Gage Hts. copied	FES JPR
Max. Peak Inf.	67.1	C.F.S. from	7:00 A.M. on 4/3/58	to	8:00 A.M.	on 4/3/58	R.J. SARASUA	Hydrographer	Storage applied	FES JPR
Max. Peak Outf.	18.8	C.F.S. from	9:20 A.M. on 2/4/58	to	1:00 P.M.	on 2/5/58		Hydrographer	Inf. & Outf. comp.	FES JPR

REMARKS

74D 138N-68B Clb 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of LIVE OAK Dam

In ~~Oa~~ Live Oak Canyon for the Year Ending September 30, 19 59

Continuous Water Stage Recorder Au

Drainage Area 2.3 Square Miles. Capacity of Reservoir 221.1 Ac. Ft. at Spillway Elev. 1497.0 Ft. as of November 18 52

Gage Heights Read at various times

Day	October Gage Height	October Acre Ft. Storage	October C.F.S. Inflow	October C.F.S. Outflow	November Gage Height	November Acre Ft. Storage	November C.F.S. Inflow	November C.F.S. Outflow	December Gage Height	December Acre Ft. Storage	December C.F.S. Inflow	December C.F.S. Outflow	January Gage Height	January Acre Ft. Storage	January C.F.S. Inflow	January C.F.S. Outflow	Day
1			0	0			0	0			0	0		DRY	0	0	1
2			0	0			0	0			0	0			0	0	2
3			0	0			0	0			0	0			0	0	3
4			0	0			0	0			0	0			0	0	4
5			0	0			0	0			0	0		DRY	0	0	5
6			0	0			0	0			0	0	1450.2	0.66	0.3	0	6
7			0	0			0	0			0	0	1449.8	0.56	0	0	7
8			0	0			0	0			0	0	1449.5	0.50	0	0	8
9			0	0			0	0			0	0	1449.4	0.47	0	0	9
10			0	0			0	0			0	0	1449.3	0.45	0	0	10
11			0	0			0	0			0	0	1449.3	0.45	0	0	11
12			0	0			0	0			0	0	1449.2	0.43	0	0	12
13			0	0			0	0			0	0	1449.2	0.43	0	0	13
14			0	0			0	0			0	0	1449.1	0.41	0	0	14
15			0	0			0	0			0	0	1449.1	0.41	0	0	15
16			0	0			0	0			0	0	1449.1	0.41	0	0	16
17			0	0			0	0			0	0	1449.1	0.41	0	0	17
18			0	0			0	0			0	0	1449.0	0.39	0	0	18
19			0	0			0	0			0	0	1449.0	0.39	0	0	19
20			0	0			0	0			0	0	1449.0	0.39	0	0	20
21			0	0			0	0			0	0	1449.0	0.39	0	0	21
22			0	0			0	0			0	0	1448.9	0.38	0	0	22
23			0	0			0	0			0	0	1448.9	0.38	0	0	23
24			0	0			0	0			0	0	1448.8	0.36	0	0	24
25			0	0			0	0			0	0	1448.8	0.36	0	0	25
26			0	0			0	0			0	0	1448.8	0.36	0	0	26
27			0	0			0	0			0	0	1448.8	0.36	0	0	27
28			0	0			0	0			0	0	1448.8	0.36	0	0	28
29			0	0			0	0			0	0	1448.8	0.36	0	0	29
30			0	0			0	0			0	0	1448.8	0.36	0	0	30
31			0	0							0	0	1448.8	0.36	0	0	31
TOTAL			0	0			0	0			0	0			0.3	0	
Inf. Ac. Ft.			0				0				0				0.6	0.6	
Outf. Ac. Ft.			0				0				0			0 + (0.2)		0 + (0.20)	
Maximum Mean Daily Inflow			0				0				0				0.3	0.3	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		0				0				0				+0.4		+0.4	

NO STORAGE

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1458.1	feet	on VARIOUS DAYS	Storage	6.4	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	DRY	feet	on VARIOUS DAYS	Storage	0	Acre Feet		Dam Tender	Gage Hts. copied	TS RAP
Max. Peak Inf.	9.2	C.F.S. from	6:45 A.M. on 1/6/59	to	7:00 A.M.	on 1/6/59	R. J. SARASUA	Hydrographer	Storage applied	TS RAP
Max. Peak Outf.	0.6	C.F.S. from	12:00 M. on 4/13/59	to	12:00 M.	on 4/14/59		Hydrographer	Inf. & Outf. comp.	RAP TS

REMARKS ( ) INDICATES EVAPORATION AND OTHER LOSSES

76D138N-68B Gib 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of LIVE OAK Dam

In ~~On~~ Live Oak Canyon for the Year Ending September 30, 19 59

Drainage Area 2.3 Square Miles. Capacity of Reservoir 221.1 Ac. Ft. at Spillway Elev. 1497.0 Ft. as of November 19 52

Continuous Water Stage Recorder Au

Gage Heights Read at various times

Day	February				March				April				May				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1448.8	0.36	0	0	1456.1	3.60	0.1	0	1457.7	4.99	+	0			0	0	1
2	1448.8	0.36	0	0	1456.2	3.68	+	0	1457.7	4.99	+	0			0	0	2
3	1448.7	0.34	0	0	1456.2	3.68	+	0	1457.8	5.08	0.1	0			0	0	3
4	1448.7	0.34	0	0	1456.3	3.77	+	0	1457.8	5.08	+	0			0	0	4
5	1448.7	0.34	0	0	1456.3	3.77	+	0	1457.8	5.08	+	0			0	0	5
6	1448.8	0.36	0	0	1456.4	3.85	0.1	0	1457.9	5.18	+	0			0	0	6
7	1448.8	0.36	0	0	1456.4	3.85	+	0	1457.9	5.18	+	0			0	0	7
8	1448.8	0.36	0	0	1456.5	3.93	+	0	1458.0	5.27	0.1	0			0	0	8
9	1448.8	0.36	0	0	1456.6	4.01	0.1	0	1458.0	5.27	+	0			0	0	9
10	1448.8	0.36	0	0	1456.6	4.01	+	0	1458.0	5.27	+	0			0	0	10
11	1453.5	1.94	0.8	0	1456.6	4.01	+	0	1458.1	5.38	+	0			0	0	11
12	1453.3	1.84	0	0	1456.6	4.01	+	0	1458.1	5.38	+	0			0	0	12
13	1453.2	1.78	0	0	1456.7	4.09	+	0	1457.2	4.53	0	0.4			0	0	13
14	1453.1	1.73	0	0	1456.7	4.09	+	0	1455.7	3.31	0	0.6			0	0	14
15	1453.1	1.73	0	0	1456.8	4.18	0.1	0	1454.3	2.36	0	0.5	NO STORAGE		0	0	15
16	1455.4	3.09	0.7	0	1456.8	4.18	+	0	1452.8	1.59	0	0.4			0	0	16
17	1455.4	3.09	+	0	1456.9	4.26	0.1	0	1451.2	0.95	0	0.3			0	0	17
18	1455.5	3.16	+	0	1457.0	4.34	+	0	1449.8	0.56	0	0.2			0	0	18
19	1455.5	3.16	+	0	1457.1	4.43	+	0	1448.7	0.34	0	0.2			0	0	19
20	1455.5	3.16	+	0	1457.1	4.43	+	0		DRY	0	0.1			0	0	20
21	1455.7	3.31	0.1	0	1457.2	4.53	0.1	0			0	0			0	0	21
22	1455.8	3.38	+	0	1457.2	4.53	+	0			0	0			0	0	22
23	1455.8	3.38	+	0	1457.3	4.62	+	0			0	0			0	0	23
24	1455.8	3.38	+	0	1457.3	4.62	+	0			0	0			0	0	24
25	1455.9	3.45	+	0	1457.4	4.71	+	0			0	0			0	0	25
26	1455.9	3.45	+	0	1457.4	4.71	+	0			0	0			0	0	26
27	1456.0	3.52	+	0	1457.5	4.81	+	0			0	0			0	0	27
28	1456.0	3.52	+	0	1457.5	4.81	+	0			0	0			0	0	28
29					1457.5	4.81	+	0			0	0			0	0	29
30					1457.6	4.90	+	0		DRY	0	0			0	0	30
31					1457.6	4.90	0.1	0							0	0	31
TOTAL			1.6	0			0.7	0			0.2	2.7			0	0	
Inf. Ac. Ft.			3.2				1.4				0.4				0	5.6	
Outf. Ac. Ft.			0				0				5.4				0	5.4 + (0.2)	
Maximum Mean Daily Inflow			0.8				0.1				0.1				0	0.8	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change	+3.2				+1.4				-5.0				0			0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1458.1	feet	on VARIOUS DAYS	Storage	5.4	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	DRY	feet	on VARIOUS DAYS	Storage	0	Acre Feet		Dam Tender	Gage Hts. copied	TS RAP
Max. Peak Inf.	9.2	C.F.S. from	6:45 A.M. on 1/6/59	to	7:00 A.M.	on 1/6/59	R.J. SARASUA	Hydrographer	Storage applied	TS RAP
Max. Peak Outf.	0.6	C.F.S. from	12:00 M. on 4/13/59	to	12:00 M.	on 4/14/59		Hydrographer	Inf. & Outf. comp.	RAP TS

REMARKS ( ) INDICATES EVAPORATION AND OTHER LOSSES

76D138N-68B Gib 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of LIVE OAK Dam

In ~~On~~ Live Oak Canyon for the Year Ending September 30, 19 59

Drainage Area 2.3 Square Miles. Capacity of Reservoir 221.1 Ac. Ft. at Spillway Elev. 1497.0 Ft. as of November 19 52

Continuous Water Stage Recorder Au

Gage Heights Read at various times

Day	June				July				August				September				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1			0	0			0	0			0	0			0	0	1
2			0	0			0	0			0	0			0	0	2
3			0	0			0	0			0	0			0	0	3
4			0	0			0	0			0	0			0	0	4
5			0	0			0	0			0	0			0	0	5
6			0	0			0	0			0	0			0	0	6
7			0	0			0	0			0	0			0	0	7
8			0	0			0	0			0	0			0	0	8
9			0	0			0	0			0	0			0	0	9
10			0	0			0	0			0	0			0	0	10
11			0	0			0	0			0	0			0	0	11
12			0	0			0	0			0	0			0	0	12
13			0	0			0	0			0	0			0	0	13
14			0	0			0	0			0	0			0	0	14
15			0	0			0	0			0	0			0	0	15
16			0	0			0	0			0	0			0	0	16
17			0	0			0	0			0	0			0	0	17
18			0	0			0	0			0	0			0	0	18
19			0	0			0	0			0	0			0	0	19
20			0	0			0	0			0	0			0	0	20
21			0	0			0	0			0	0			0	0	21
22			0	0			0	0			0	0			0	0	22
23			0	0			0	0			0	0			0	0	23
24			0	0			0	0			0	0			0	0	24
25			0	0			0	0			0	0			0	0	25
26			0	0			0	0			0	0			0	0	26
27			0	0			0	0			0	0			0	0	27
28			0	0			0	0			0	0			0	0	28
29			0	0			0	0			0	0			0	0	29
30			0	0			0	0			0	0			0	0	30
31							0	0			0	0					31
TOTAL			0	0			0	0			0	0			0	0	
Inf. Ac. Ft.			0				0				0				0	5.6	
Outf. Ac. Ft.			0				0				0				0	5.4 + (0.2)	
Maximum Mean Daily Inflow			0				0				0				0	0.8	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change	0				0				0				0			0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1458.1	feet	on VARIOUS DAYS	Storage	5.4	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	DRY	feet	on VARIOUS DAYS	Storage	0	Acre Feet		Dam Tender	Gage Hts. copied	TS RAP
Max. Peak Inf.	9.2	C.F.S. from	6:45 A.M. on 1/6/59	to	7:00 A.M.	on 1/6/59	R.J. SARASUA	Hydrographer	Storage applied	TS RAP
Max. Peak Outf.	0.6	C.F.S. from	12:00 M. on 4/13/59	to	12:00 M.	on 4/14/59		Hydrographer	Inf. & Outf. comp.	RAP TS

REMARKS ( ) INDICATES EVAPORATION AND OTHER LOSSES

76D138N-68B Gib 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of THOMPSON CREEK Dam

In/On Thompson Creek for the Year Ending September 30, 19 56

Continuous Water Stage Recorder AU

Drainage Area 3.51 Square Miles. Capacity of Reservoir 669.5 Ac. Ft. at Spillway Elev. 1634.1 Ft. as of June 1957 Gage Heights Read at various times

Day	October Gage Height	October Acre Ft. Storage	October C.F.S. Inflow	October C.F.S. Outflow	November Gage Height	November Acre Ft. Storage	November C.F.S. Inflow	November C.F.S. Outflow	December Gage Height	December Acre Ft. Storage	December C.F.S. Inflow	December C.F.S. Outflow	January Gage Height	January Acre Ft. Storage	January C.F.S. Inflow	January C.F.S. Outflow	Day
1			0	0			0	0			0	0	1577	2.06	0	0	1
2			0	0			0	0			0	0	1577	1.94	0	0	2
3			0	0			0	0			0	0	1577	1.82	0	0	3
4			0	0			0	0			0	0	1577	1.70	0	0	4
5			0	0			0	0			0	0	1577	1.58	0	0	5
6			0	0			0	0			0	0	1577	1.46	0	0	6
7			0	0			0	0			0	0	1577	1.34	0	0	7
8			0	0			0	0			0	0	1577	1.22	0	0	8
9			0	0			0	0			0	0	1577	1.22	0	0	9
10			0	0			0	0			0	0	1577	1.10	0	0	10
11			0	0			0	0			0	0	1577	0.98	0	0	11
12			0	0			0	0			0	0	1576	0.91	0	0	12
13			0	0			0	0			0	0	1576	0.91	0	0	13
14			0	0			0	0			0	0	1576	0.84	0	0	14
15			0	0			0	0	1574	1.46	0.7	0	1576	0.91	0	0	15
16			0	0			0	0	1590	5.00	3.8	0	1576	0.84	0	0	16
17			0	0			0	0	1591	8.56	1.2	0	1576	0.69	0	0	17
18			0	0			0	0	1590	7.54	0	0	1575	0.62	0	0	18
19			0	0			0	0	1590	6.26	0	0	1576	0.55	0	0	19
20			0	0			0	0	1589	5.79	0	0	1576	0.55	0	0	20
21			0	0			0	0	1589	5.14	0	0	1576	0.55	0	0	21
22			0	0			0	0	1589	4.50	0	0	1576	0.55	0	0	22
23			0	0			0	0	1588	4.07	0	0	1576	0.48	0	0	23
24			0	0			0	0	1588	3.65	0	0	1576	0.55	0	0	24
25			0	0			0	0	1588	3.36	0	0	1575	0.76	0.1	0	25
26			0	0			0	0	1588	3.15	0	0	1580	5.36	2.5	0	26
27			0	0			0	0	1588	2.87	0	0	1580	5.57	0.1	0	27
28			0	0			0	0	1588	2.52	0	0	1580	5.36	0	0	28
29			0	0			0	0	1588	2.18	0	0	1579	4.93	0	0	29
30			0	0			0	0	1588	2.18	0	0	1579	4.50	0	0	30
31			0	0					1587	2.06	0	0	1579	4.07	0	0	31
TOTAL			0	0			0	0			4.8	0			2.5	0	
Inf. Ac. Ft.			0				0				3.5				2.5	0	
Outf. Ac. Ft.			0				0				0 + (5.4)				0 + (3.0)	0 + (9.4)	
Maximum Mean Daily Inflow			0				0				2.3				2.5	2.3	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		0				0				+ 2.1				+ 2.0		4.1	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1619.4	feet	on	4/8/58	Storage	254.3	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS ckd. Date
Min. W. S. Elev.	DRY	feet	on	VAR. DAYS	Storage	0	Acre Feet		Dam Tender	Gage Hts. copied JPR RAP
Max. Peak Inf.	66.6	C.F.S. from	8:00 A.M.	on 4/3/58	to	9:00 A.M.	on 4/3/58	R.J. SARASUA	Hydrographer	Storage applied JPR RAP
Max. Peak Outf.	8.0	C.F.S. from	10:30 A.M.	on 4/5/58	to	12:15 P.M.	on 4/5/58		Hydrographer	Inf. & Outf. comp. JPR RAP

REMARKS ( ) INDICATES EVAPORATION AND OTHER LOSSES

76D138N-68B Gib 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of THOMPSON CREEK Dam

In/On Thompson Creek for the Year Ending September 30, 19 56

Continuous Water Stage Recorder AU

Drainage Area 3.51 Square Miles. Capacity of Reservoir 669.5 Ac. Ft. at Spillway Elev. 1634.1 Ft. as of June 1957 Gage Heights Read at various times

Day	February Gage Height	February Acre Ft. Storage	February C.F.S. Inflow	February C.F.S. Outflow	March Gage Height	March Acre Ft. Storage	March C.F.S. Inflow	March C.F.S. Outflow	April Gage Height	April Acre Ft. Storage	April C.F.S. Inflow	April C.F.S. Outflow	May Gage Height	May Acre Ft. Storage	May C.F.S. Inflow	May C.F.S. Outflow	Day
1	1589.1	4.07	0	0	1600.3	5.16	0	0	1609.4	12.42	27.5	0	1599.0	4.35	0	0	1
2	1589.0	3.86	0	0	1600.2	5.11	0	0	1612.0	13.12	14.4	0	1598.9	4.29	0	0	2
3	1590.7	7.79	2.0	0	1600.0	4.96	0	0	1616.6	21.36	32.4	0	1598.7	4.18	0	0	3
4	1603.7	75.6	34.2	0	1599.9	4.92	0	0	1617.6	22.89	9.7	0	1598.6	4.12	0	0	4
5	1605.0	85.4	5.0	0	1599.7	4.79	0	0	1617.0	21.67	0.8	3.0	1598.4	4.00	0	0	5
6	1605.2	87.1	0.8	0	1599.6	4.73	0	0	1616.7	21.23	3.4	4.6	1598.2	3.89	0	0	6
7	1605.1	86.2	0	0	1599.4	4.60	0	0	1618.9	24.61	23.6	4.6	1598.0	3.77	0	0	7
8	1604.8	83.9	0	0	1599.3	4.54	0	0	1618.8	24.45	7.5	5.9	1597.8	3.66	0	0	8
9	1604.6	82.4	0	0	1599.1	4.41	0	0	1617.8	22.89	0.3	7.5	1597.6	3.55	0	0	9
10	1604.4	80.8	0	0	1599.0	4.35	0	0	1616.7	21.23	0	7.3	1597.4	3.45	0	0	10
11	1004.2	79.3	0	0	1598.8	4.23	0	0	1615.6	19.66	0	7.5	1597.3	3.39	0	0	11
12	1603.7	75.6	0	0	1598.7	4.18	0	0	1614.4	18.04	0	7.0	1597.1	3.26	0	0	12
13	1603.4	73.4	0	0	1598.6	4.12	0	0	1613.3	16.65	0	6.8	1597.0	3.23	0	0	13
14	1603.1	71.1	0	0	1598.4	4.00	0	0	1612.2	15.35	0	6.2	1596.8	3.13	0	0	14
15	1602.8	69.0	0	0	1598.6	4.12	0.9	0	1611.1	14.14	0	5.3	1596.6	3.03	0	0	15
16	1602.5	66.8	0	0	1602.4	6.61	12.9	0	1610.1	13.11	0.8	4.6	1596.5	2.98	0	0	16
17	1602.2	64.6	0	0	1603.3	7.26	3.8	0	1608.9	11.94	0	4.5	1596.3	2.88	0	0	17
18	1602.0	63.2	0	0	1603.2	7.19	0.1	0	1607.8	10.93	0.2	4.4	1596.1	2.78	0	0	18
19	1602.0	63.2	0	0	1603.1	7.11	0.1	0	1606.8	10.06	0.6	4.2	1595.9	2.68	0	0	19
20	1601.8	61.8	0	0	1603.1	7.11	0.5	0	1605.7	9.12	0	4.0	1595.8	2.64	0	0	20
21	1601.6	60.5	0	0	1603.3	7.26	1.5	0	1604.7	8.31	0.5	3.8	1595.6	2.55	0	0	21
22	1601.3	58.4	0	0	1603.3	7.26	0.5	0	1603.8	7.63	1.0	3.6	1595.4	2.46	0	0	22
23	1601.0	56.4	0	0	1603.4	7.34	0.9	0	1602.9	6.97	0.5	3.5	1595.3	2.42	0	0	23
24	1600.9	55.7	0	0	1603.5	7.41	0.9	0	1602.1	6.39	0.4	3.3	1595.1	2.32	0	0	24
25	1600.9	55.7	0	0	1603.5	7.41	0.5	0	1601.3	5.84	0	2.8	1594.9	2.24	0	0	25
26	1600.7	54.4	0	0	1603.3	7.26	0	0	1600.6	5.38	0.2	2.5	1594.8	2.20	0	0	26
27	1600.5	53.1	0	0	1603.4	7.34	0.9	0	1600.0	4.98	0	2.0	1594.6	2.11	0	0	27
28	1600.4	52.4	0	0	1603.5	7.41	0.9	0	1599.6	4.73	0.2	1.5	1594.4	2.03	0	0	28
29					1603.3	7.26	0	0	1599.4	4.60	0	0.5	1594.3	1.99	0	0	29
30					1603.1	7.11	0.5	0	1599.2	4.48	0	0	1594.1	1.90	0	0	30
31					1603.1	7.11	0.5	0					1594.0	1.86	0	0	31
TOTAL			42.0	0			24.3	0			123.2	110.5			0	0	
Inf. Ac. Ft.			83.5				48.2				244.4				0	389.4	
Outf. Ac. Ft.			0 +	(35.0)			0 +	(29.5)			219.2 + (51.5)				0 + (26.2)	219.2+(151.6)	
Maximum Mean Daily Inflow			34.2				12.9				32.4				0	34.2	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		+48.3				+18.7				-26.3				-26.2		+18.8	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1619.4	feet	on	4/8/58	Storage	254.3	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS ckd. Date
Min. W. S. Elev.	DRY	feet	on	VAR. DAYS	Storage	0	Acre Feet		Dam Tender	Gage Hts. copied JPR RAP
Max. Peak Inf.	66.6	C.F.S. from	8:00 A.M.	on 4/3/58	to	9:00 A.M.	on 4/3/58	R.J. SARASUA	Hydrographer	Storage applied JPR RAP
Max. Peak Outf.	8.0	C.F.S. from	10:30 A.M.	on 4/5/58	to	12:15 P.M.	on 4/5/58		Hydrographer	Inf. & Outf. comp. JPR RAP

REMARKS ( ) INDICATES EVAPORATION AND OTHER LOSSES

76D138N-68B Clb 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of THOMPSON CREEK Dam

~~In~~ On Thompson Creek for the Year Ending September 30, 19 58

Continuous Water Stage Recorder Au

Drainage Area 3.51 Square Miles. Capacity of Reservoir 569.5 Ac. Ft. at Spillway Elev. 1634.1 Ft. as of June, 19 57

Gage Heights Read at various times

Day	June Gage Height	June Acre Ft. Storage	June C.F.S. Inflow	June C.F.S. Outflow	July Gage Height	July Acre Ft. Storage	July C.F.S. Inflow	July C.F.S. Outflow	August Gage Height	August Acre Ft. Storage	August C.F.S. Inflow	August C.F.S. Outflow	September Gage Height	September Acre Ft. Storage	September C.F.S. Inflow	September C.F.S. Outflow	Day
1	1593.8	17.9	0	0	1590.1	6.3	0	0	1587.5	1.6	0	0		+	0	0	1
2	1593.7	17.5	0	0	1590.0	6.0	0	0	1587.5	1.6	0	0			0	0	2
3	1593.5	16.8	0	0	1589.8	5.6	0	0	1587.4	1.5	0	0			0	0	3
4	1593.4	16.4	0	0	1589.7	5.4	0	0	1587.3	1.3	0	0			0	0	4
5	1593.2	15.6	0	0	1589.7	5.4	0	0	1587.2	1.2	0	0			0	0	5
6	1593.1	15.3	0	0	1589.6	5.1	0	0	1587.1	1.1	0	0			0	0	6
7	1593.0	14.9	0	0	1589.5	4.9	0	0	1587.1	1.1	0	0			0	0	7
8	1592.8	14.2	0	0	1589.4	4.7	0	0	1587.0	1.0	0	0			0	0	8
9	1592.7	13.9	0	0	1589.3	4.5	0	0	1586.9	0.9	0	0			0	0	9
10	1592.5	13.2	0	0	1589.2	4.3	0	0	1586.9	0.9	0	0			0	0	10
11	1592.4	12.9	0	0	1589.1	4.1	0	0	1586.8	0.8	0	0			0	0	11
12	1592.3	12.5	0	0	1589.0	3.9	0	0	1586.7	0.8	0	0			0	0	12
13	1592.2	12.2	0	0	1588.9	3.7	0	0	1586.7	0.8	0	0			0	0	13
14	1592.1	11.8	0	0	1588.8	3.5	0	0	1586.6	0.7	0	0			0	0	14
15	1592.0	11.5	0	0	1588.8	3.5	0	0	1586.7	0.8	0	0			0	0	15
16	1591.8	10.9	0	0	1588.7	3.4	0	0	1586.6	0.7	0	0			0	0	16
17	1591.7	10.6	0	0	1588.7	3.4	0	0	1586.6	0.7	0	0			0	0	17
18	1591.6	10.3	0	0	1588.6	3.2	0	0	1586.5	0.6	0	0			0	0	18
19	1591.4	9.7	0	0	1588.5	3.0	0	0	1586.5	0.6	0	0			0	0	19
20	1591.3	9.4	0	0	1588.4	2.8	0	0	1586.4	0.6	0	0			0	0	20
21	1591.2	9.2	0	0	1588.3	2.7	0	0	1586.3	0.5	0	0			0	0	21
22	1591.1	8.8	0	0	1588.3	2.7	0	0	1586.1	0.3	0	0			0	0	22
23	1591.0	8.6	0	0	1588.2	2.5	0	0	1585.9	0.2	0	0			0	0	23
24	1590.9	8.3	0	0	1588.1	2.4	0	0	1585.7	0.2	0	0			0	0	24
25	1590.8	8.0	0	0	1588.0	2.2	0	0	1585.5	0.1	0	0			0	0	25
26	1590.7	7.8	0	0	1588.0	2.2	0	0	1585.3	0.1	0	0			0	0	26
27	1590.6	7.5	0	0	1587.9	2.1	0	0	1585.0	+	0	0			0	0	27
28	1590.5	7.3	0	0	1587.8	1.9	0	0	1584.8		0	0			0	0	28
29	1590.3	6.8	0	0	1587.8	1.9	0	0	1584.6		0	0			0	0	29
30	1590.2	6.5	0	0	1587.7	1.8	0	0	1584.5		0	0		+	0	0	30
31					1587.6	1.7	0	0		+							31
TOTAL			0	0			0	0			0	0			0	0	
Inf. Ac. Ft.			0				0				0				0	389.4	
Outf. Ac. Ft.			0 + (12.1)				0 + (4.8)				0 + (1.7)				0	219.2 + (170.2)	
Maximum Mean Daily Inflow			0				0				0				0	34.2	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change	-12.1				-4.8				-1.7				0			0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1619.4	feet	on	4/8/58	Storage	254.3	Acre Feet	RECORDS COLLECTED BY	COMPUTATIONS	ckd. Date
Min. W. S. Elev.	DRY	feet	on	VAR. DAYS	Storage	0	Acre Feet	Dam Tender	Gage Hts. copied	JPR RAP
Max. Peak Inf.	66.6	C.F.S. from	8:00 A.M.	on	4/3/58	to	9:00 A.M. on	4/3/58	R.J. SARASUA	Hydrographer	Storage applied	JPR RAP
Max. Peak Outf.	8.0	C.F.S. from	10:30 A.M.	on	4/5/58	to	12:15 P.M. on	4/5/58		Hydrographer	Inf. & Outf. comp.	JPR RAP

REMARKS ( ) INDICATES EVAPORATION AND OTHER LOSSES

76D138N-68B Clb 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of THOMPSON CREEK Dam

~~In~~ On Thompson Creek for the Year Ending September 30, 19 59

Continuous Water Stage Recorder Au

Drainage Area 3.51 Square Miles. Capacity of Reservoir 569.5 Ac. Ft. at Spillway Elev. 1634.1 Ft. as of June, 19 57

Gage Heights Read at various times

Day	October Gage Height	October Acre Ft. Storage	October C.F.S. Inflow	October C.F.S. Outflow	November Gage Height	November Acre Ft. Storage	November C.F.S. Inflow	November C.F.S. Outflow	December Gage Height	December Acre Ft. Storage	December C.F.S. Inflow	December C.F.S. Outflow	January Gage Height	January Acre Ft. Storage	January C.F.S. Inflow	January C.F.S. Outflow	Day
1		POOL	0	0		POOL	0	0		POOL	0	0		POOL	0	0	1
2			0	0			0	0			0	0			0	0	2
3			0	0			0	0			0	0			0	0	3
4			0	0			0	0			0	0			0	0	4
5			0	0			0	0			0	0			0	0	5
6			0	0			0	0			0	0			+	0	6
7			0	0			0	0			0	0			0	0	7
8			0	0			0	0			0	0			0	0	8
9			0	0			0	0			0	0			0	0	9
10			0	0			0	0			0	0			0	0	10
11			0	0			0	0			0	0			0	0	11
12			0	0			0	0			0	0			0	0	12
13			0	0			0	0			0	0			0	0	13
14			0	0			0	0			0	0			0	0	14
15			0	0			0	0			0	0			0	0	15
16			0	0			0	0			0	0			0	0	16
17			0	0			0	0			0	0			0	0	17
18			0	0			0	0			0	0			0	0	18
19			0	0			0	0			0	0			0	0	19
20			0	0			0	0			0	0			0	0	20
21			0	0			0	0			0	0			0	0	21
22			0	0			0	0			0	0			0	0	22
23			0	0			0	0			0	0			0	0	23
24			0	0			0	0			0	0			0	0	24
25			0	0			0	0			0	0			0	0	25
26			0	0			0	0			0	0			0	0	26
27			0	0			0	0			0	0			0	0	27
28			0	0			0	0			0	0			0	0	28
29			0	0			0	0			0	0			0	0	29
30			0	0		POOL	0	0			0	0			0	0	30
31		POOL	0	0						POOL	0	0		POOL	0	0	31
TOTAL			0	0			0	0			0	0			0	0	
Inf. Ac. Ft.			0				0				0				+	+	
Outf. Ac. Ft.			0				0				0				0	0	
Maximum Mean Daily Inflow			0				0				0				+	+	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change	0				0				0				+			+	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1589.8	feet	on	VARIOUS DAYS	Storage	5.6	Acre Feet	RECORDS COLLECTED BY	COMPUTATIONS	ckd. Date
Min. W. S. Elev.	DRY	feet	on	VARIOUS DAYS	Storage	0	Acre Feet	Dam Tender	Gage Hts. copied	HRW TS
Max. Peak Inf.	4.7	C.F.S. from	2:50 P.M.	on	2/16/59	to	5:00 P.M. on	2/16/59	R.J. SARASUA	Hydrographer	Storage applied	TS HRW
Max. Peak Outf.	0	C.F.S. from		on		to		on		Hydrographer	Inf. & Outf. comp.	TS HRW

REMARKS

76D138N-68B Glb 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of THOMPSON CREEK Dam

In/On Thompson Creek for the Year Ending September 30, 19 59

Drainage Area 3.51 Square Miles. Capacity of Reservoir 569.5 Ac. Ft. at Spillway Elev. 1634.1 Ft. as of June, 19 57

Continuous Water Stage Recorder AW

Gage Heights Read at various times

Day	February Gage Height	February Acre Ft. Storage	February C.F.S. Inflow	February C.F.S. Outflow	March Gage Height	March Acre Ft. Storage	March C.F.S. Inflow	March C.F.S. Outflow	April Gage Height	April Acre Ft. Storage	April C.F.S. Inflow	April C.F.S. Outflow	May Gage Height	May Acre Ft. Storage	May C.F.S. Inflow	May C.F.S. Outflow	Day
1		POOL	0	0	1589.0	3.9	0	0	1586.6	0.7	0	0		POOL	0	0	1
2			0	0	1588.9	3.7	0	0	1586.5	0.6	0	0			0	0	2
3			0	0	1588.8	3.5	0	0	1586.5	0.6	0	0			0	0	3
4			0	0	1588.7	3.4	0	0		POOL	0	0			0	0	4
5			0	0	1588.6	3.2	0	0			0	0			0	0	5
6			0	0	1588.5	3.0	0	0			0	0			0	0	6
7			0	0	1588.4	2.8	0	0			0	0			0	0	7
8			0	0	1588.4	2.8	0	0			0	0			0	0	8
9			0	0	1588.3	2.7	0	0			0	0			0	0	9
10		POOL	0	0	1588.2	2.5	0	0			0	0			0	0	10
11	1586.4	0.6	0.2	0	1588.1	2.4	0	0			0	0			0	0	11
12	1587.2	1.2	0.2	0	1588.0	2.2	0	0			0	0			0	0	12
13	1587.3	1.3	0.2	0	1587.9	2.1	0	0			0	0			0	0	13
14	1587.3	1.3	0.1	0	1587.9	2.1	0	0			0	0			0	0	14
15	1587.4	1.5	0.1	0	1587.8	1.9	0	0			0	0			0	0	15
16	1589.2	4.3	1.4	0	1587.7	1.8	0	0			0	0			0	0	16
17	1589.4	4.7	0.2	0	1587.6	1.7	0	0			0	0			0	0	17
18	1589.5	4.9	0.1	0	1587.6	1.7	0	0			0	0			0	0	18
19	1589.6	5.1	0.1	0	1587.5	1.6	0	0			0	0			0	0	19
20	1589.7	5.4	0.1	0	1587.4	1.5	0	0			0	0			0	0	20
21	1589.8	5.6	0.1	0	1587.3	1.3	0	0			0	0			0	0	21
22	1589.8	5.6	0	0	1587.3	1.3	0	0			0	0			0	0	22
23	1589.7	5.4	0	0	1587.2	1.2	0	0			0	0			0	0	23
24	1589.6	5.1	0	0	1587.1	1.1	0	0			0	0			0	0	24
25	1589.5	4.9	0	0	1587.1	1.1	0	0			0	0			0	0	25
26	1589.4	4.7	0	0	1587.0	1.0	0	0			0	0			0	0	26
27	1589.3	4.5	0	0	1587.0	1.0	0	0			0	0			0	0	27
28	1589.2	4.3	0	0	1586.9	0.9	0	0			0	0			0	0	28
29					1586.8	0.8	0	0			0	0			0	0	29
30					1586.7	0.8	0	0		POOL	0	0			0	0	30
31					1586.7	0.8	0	0						POOL	0	0	31
TOTAL			2.8	0			0	0			0	0			0	0	
Inf. Ac. Ft.			5.6				0				0				0	5.6	
Outf. Ac. Ft.			0 + (1.2)				0 + (3.6)				0 + (0.8)				0	0 + (5.6)	
Maximum Mean Daily Inflow			1.4				0				0				0	1.4	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		+4.3				-3.5				-0.8				0		0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1589.8	feet	on	VARIOUS DAYS	Storage	5.6	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	DRY	feet	on	VARIOUS DAYS	Storage	0	Acre Feet		Dam Tender	Gage Hts. copied	HRW	TS
Max. Peak Inf.	4.7	C.F.S. from	2:50 P.M.	on	2/16/59	to	5:00 P.M.	on	2/16/59	R.J. SARASUA	Hydrographer	Storage applied	TS	HRW
Max. Peak Outf.	0	C.F.S. from		on		to		on			Hydrographer	Inf. & Outf. comp.	TS	RAP

REMARKS ( ) INDICATES EVAPORATION AND OTHER LOSSES

{ INDICATES AVERAGE FOR PERIOD

76D138N-68B Glb 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of THOMPSON CREEK Dam

In/On Thompson Creek for the Year Ending September 30, 19 59

Drainage Area 3.51 Square Miles. Capacity of Reservoir 569.5 Ac. Ft. at Spillway Elev. 1634.1 Ft. as of June, 19 57

Continuous Water Stage Recorder AW

Gage Heights Read at various times

Day	June Gage Height	June Acre Ft. Storage	June C.F.S. Inflow	June C.F.S. Outflow	July Gage Height	July Acre Ft. Storage	July C.F.S. Inflow	July C.F.S. Outflow	August Gage Height	August Acre Ft. Storage	August C.F.S. Inflow	August C.F.S. Outflow	September Gage Height	September Acre Ft. Storage	September C.F.S. Inflow	September C.F.S. Outflow	Day
1		POOL	0	0			0	0			0	0			0	0	1
2			0	0			0	0			0	0			0	0	2
3			0	0			0	0			0	0			0	0	3
4			0	0			0	0			0	0			0	0	4
5			0	0			0	0			0	0			0	0	5
6			0	0			0	0			0	0			0	0	6
7			0	0			0	0			0	0			0	0	7
8			0	0			0	0			0	0			0	0	8
9			0	0			0	0			0	0			0	0	9
10			0	0			0	0			0	0			0	0	10
11			0	0			0	0			0	0			0	0	11
12			0	0			0	0			0	0			0	0	12
13			0	0			0	0			0	0			0	0	13
14			0	0		NO STORAGE	0	0		NO STORAGE	0	0		NO STORAGE	0	0	14
15			0	0			0	0			0	0			0	0	15
16			0	0			0	0			0	0			0	0	16
17			0	0			0	0			0	0			0	0	17
18			0	0			0	0			0	0			0	0	18
19			0	0			0	0			0	0			0	0	19
20			0	0			0	0			0	0			0	0	20
21			0	0			0	0			0	0			0	0	21
22			0	0			0	0			0	0			0	0	22
23			0	0			0	0			0	0			0	0	23
24			0	0			0	0			0	0			0	0	24
25			0	0			0	0			0	0			0	0	25
26			0	0			0	0			0	0			0	0	26
27			0	0			0	0			0	0			0	0	27
28			0	0			0	0			0	0			0	0	28
29			0	0			0	0			0	0			0	0	29
30		POOL	0	0			0	0			0	0			0	0	30
31							0	0			0	0					31
TOTAL			0	0			0	0			0	0			0	0	
Inf. Ac. Ft.			0				0				0				0	5.6	
Outf. Ac. Ft.			0				0				0				0	0 + (5.6)	
Maximum Mean Daily Inflow			0				0				0				0	1.4	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		0				0				0				0		0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1589.8	feet	on	VARIOUS DAYS	Storage	5.6	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	DRY	feet	on	VARIOUS DAYS	Storage	0	Acre Feet		Dam Tender	Gage Hts. copied	HRW	TS
Max. Peak Inf.	4.7	C.F.S. from	2:50 P.M.	on	2/16/59	to	5:00 P.M.	on	2/16/59	R.J. SARASUA	Hydrographer	Storage applied	TS	HRW
Max. Peak Outf.	0	C.F.S. from		on		to		on			Hydrographer	Inf. & Outf. comp.	TS	RAP

REMARKS ( ) INDICATES EVAPORATION AND OTHER LOSSES

76D138N-68B Gib 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of HAMILTON BOWL Dam

In Long Beach for the Year Ending September 30, 1958

Continuous Water Stage Recorder H.C.F.

Drainage Area 3.5 Square Miles. Capacity of Reservoir 160.4 Ac. Ft. at Spillway Elev. 17± Ft. as of July, 1947 Gage Heights Read at various times

Day	October Gage Height	October Acre Ft. Storage	October C.F.S. Inflow	October C.F.S. Outflow	November Gage Height	November Acre Ft. Storage	November C.F.S. Inflow	November C.F.S. Outflow	December Gage Height	December Acre Ft. Storage	December C.F.S. Inflow	December C.F.S. Outflow	January Gage Height	January Acre Ft. Storage	January C.F.S. Inflow	January C.F.S. Outflow	Day
1		0	0	0		0	0	0		0	0	0		0	0	0	1
2			0	0	5.0	0.6	5.3	5.0		0	0	0			0	0	2
3			0	0		0	1.0	1.3		0	0	0			0	0	3
4			0	0			0	0	3.5	+	1.0	1.0			0	0	4
5			0	0			0.2	0.2	5.8	1.0	1.4.9	1.4.4			0	0	5
6			0	0			0	0		0	0	0.5			0	0	6
7			0	0			0	0			0	0			0	0	7
8			0	0			0	0			0	0			0	0	8
9			0	0			0	0			0	0			0	0	9
10			0	0			0	0			0	0			0.5	0.5	10
11			8.0	8.0			0	0			0	0			0	0	11
12		0	0	0			0	0			0	0			0	0	12
13	5.0	0.6	4.1	3.8			0	0			0	0			0	0	13
14		0	2.4	2.7			0	0		0	0	0			0	0	14
15			0	0			0	0	5.4	0.8	3.1.6	3.1.4			0	0	15
16			0	0			0	0		0	0	0.4			0	0	16
17			0	0			0	0			3.4	3.4			0	0	17
18			0	0			0	0			0	0			0	0	18
19			0	0			0	0			0	0			0	0	19
20			0	0			0	0			0	0			0	0	20
21			0	0			0	0			0	0			0	0	21
22			0	0			0	0			0	0			0	0	22
23			0	0			0	0			0	0		0	0	0	23
24			0	0			0	0			0	0	5.6	0.9	1.4	0.9	24
25			0	0			0	0			0	0	5.0	0.6	1.1.0	1.1.2	25
26			0	0			0	0			0	0		0	7.4	7.7	26
27			0	0			0	0			0	0			0	0	27
28			0	0			0	0			0	0			0	0	28
29			0	0			0	0			0	0		0	0	0	29
30			0	0	0		0	0			0	0	4.7	0.5	0.8	0.6	30
31		0	1.1	1.1						0	0	0		0	0	0.2	31
TOTAL			1.5.6	1.5.6			5.5	6.5			5.1.1	5.1.1			2.1.1	2.1.4	
Inf. Ac. Ft.			3.0.9				1.2.9				1.0.1.3				4.1.9	1.9.7.0	
Outf. Ac. Ft.			3.0.9				1.2.9				1.0.1.3				4.1.9	1.9.7.0	
Maximum Mean Daily Inflow			8.0				5.3				3.1.8				1.1.0	3.1.6	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		0				0				0				0		0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	14.3	feet	on	2/19/58	Storage	111.9	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	DRY	feet	on	VARIOUS DAYS	Storage	0	Acre Feet	J.C. VIDMAR	Dam Tender	Gage Hts. copied	HRW	TS
Max. Peak Inf.	596.	C.F.S. from	11:00 A.M. on	2/19/58	to	12:00 N.	on	2/19/58	E.S. BONADIMAN	Hydrographer	Storage applied	HRW	TS
Max. Peak Outf.	55.0	C.F.S. from	VARIOUS DAYS	on	to		on			Hydrographer	Inf. & Outf. comp.	HRW	TS

REMARKS

76D138N-68B Gib 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of HAMILTON BOWL Dam

In Long Beach for the Year Ending September 30, 1958

Continuous Water Stage Recorder H.C.F.

Drainage Area 3.5 Square Miles. Capacity of Reservoir 160.4 Ac. Ft. at Spillway Elev. 17± Ft. as of July, 1947 Gage Heights Read at various times

Day	February Gage Height	February Acre Ft. Storage	February C.F.S. Inflow	February C.F.S. Outflow	March Gage Height	March Acre Ft. Storage	March C.F.S. Inflow	March C.F.S. Outflow	April Gage Height	April Acre Ft. Storage	April C.F.S. Inflow	April C.F.S. Outflow	May Gage Height	May Acre Ft. Storage	May C.F.S. Inflow	May C.F.S. Outflow	Day
1		0	0	0		0	0	0	5.8	1.0	2.6.9	2.6.4			0	0	1
2	4.9	0.5	2.9	2.6			0	0	3.5	0.1	0.1	0.6			0	0	2
3	7.2	2.8	1.1.2	1.0.1			0	0	4.0	0.2	3.6	8.4			0	0	3
4	5.5	0.9	2.3.6	2.4.5			0	0		0	0.4	0.6			0	0	4
5		0	0.5	1.0		0	0	0		0	0	0			0	0	5
6			0	0	4.5	0.4	1.5	1.3	5.8	1.0	1.3.1	1.2.6			0	0	6
7			0	0		0	0	0.2	5.4	0.8	2.1.0	2.1.5			0	0	7
8			0	0			0	0		0	0.4	0.4			0	0	8
9			0	0		0	0	0			0	0			0	0	9
10			0	0	5.4	0.8	0.4	0			0	0			0	0	10
11		0	0	0		0	0.7	1.1			0	0			0.3	0.3	11
12	4.1	0.2	0.1	0			1.8	1.8			0	0			0	0	12
13		0	0.3	0.4			0	0			0	0			0	0	13
14			0	0		0	0	0			0	0			0	0	14
15			0	0	9.4	2.8.9	4.2.4	2.8.0			0	0			0	0	15
16			0	0	5.2	0.7	2.5.1	3.9.1			0	0			0	0	16
17			0	0		0	0	0.4			0	0			0	0	17
18		0	0	0		0	0	0			0	0			0	0	18
19	1.4.3	1.1.1.9	9.6.0	3.9.6		0	0	0			0	0			0	0	19
20	8.5	1.4.4	5.9	5.5.0	7.6	4.6	1.7.4	1.5.1			0	0			0	0	20
21		0	6.6	1.3.9	6.7	1.8	4.1	5.6			0	0			0	0	21
22			0	0		0	0.1	0.9			0	0			0	0	22
23			0	0			0	0			0	0			0	0	23
24		0	0	0			0	0			0	0			0	0	24
25	4.6	0.4	1.8.4	1.8.2			0	0			0	0			0	0	25
26		0	0	0.2		0	0	0			0	0			0	0	26
27		0	0	0	4.8	0.5	1.0.7	1.0.5			0	0			0	0	27
28		0	0	0		0	0	0.2			0	0			0	0	28
29							0	0			0	0			0	0	29
30							0	0		0	0	0			0	0	30
31						0	0.4	0.4							0	0	31
TOTAL			1.6.5.5	1.6.5.5			1.0.4.6	1.0.4.6			7.0.5	7.0.5			0.3	0.3	
Inf. Ac. Ft.			3.2.8.3				2.0.7.5				1.3.9.8				0.6	8.6.3.2	
Outf. Ac. Ft.			3.2.8.3				2.0.7.5				1.3.9.8				0.6	8.6.3.2	
Maximum Mean Daily Inflow			9.6.0				4.2.4				2.6.9				0.3	9.6.0	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		0				0				0				0		0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	14.3	feet	on	2/19/58	Storage	111.9	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	DRY	feet	on	VAR. DAYS	Storage	0	Acre Feet	J.C. VIDMAR	Dam Tender	Gage Hts. copied	HRW	TS
Max. Peak Inf.	596.	C.F.S. from	11:00 A.M. on	2/19/58	to	12:00 N.	on	2/19/58	E.S. BONADIMAN	Hydrographer	Storage applied	HRW	TS
Max. Peak Outf.	55.0	C.F.S. from		on VAR. DAYS	to		on			Hydrographer	Inf. & Outf. comp.	HRW	TS

REMARKS

76D138N-68B Gb 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of HAMILTON BOWL Dam

In Long Beach for the Year Ending September 30, 1956

Drainage Area 3.5 Square Miles. Capacity of Reservoir 160.4 Ac. Ft. at Spillway Elev. 17± Ft. as of July 1947

Continuous Water Stage Recorder H.C.F.

Gage Heights Read at various times

Day	June Gage Height	June Acre Ft. Storage	June C.F.S. Inflow	June C.F.S. Outflow	July Gage Height	July Acre Ft. Storage	July C.F.S. Inflow	July C.F.S. Outflow	August Gage Height	August Acre Ft. Storage	August C.F.S. Inflow	August C.F.S. Outflow	September Gage Height	September Acre Ft. Storage	September C.F.S. Inflow	September C.F.S. Outflow	Day
1			0	0			0	0			0	0			0	0	1
2			0	0			0	0			0	0			0	0	2
3			0	0			0	0			0	0			0	0	3
4			0	0			0	0			0	0			0	0	4
5			0	0			0	0			0	0			0	0	5
6			0	0			0	0			0	0			0	0	6
7			0	0			0	0			0	0			0	0	7
8			0	0			0	0			0	0			0	0	8
9			0	0			0	0			0	0			0	0	9
10			0	0			0	0			0	0			0	0	10
11			0	0			0	0			0	0			0	0	11
12			0	0			0	0			0	0			0	0	12
13			0	0			0	0			0	0			0	0	13
14			0	0			0	0			0	0			0	0	14
15			0	0			0	0			0	0			0	0	15
16		NO STORAGE	0	0		NO STORAGE	0	0		NO STORAGE	0	0		NO STORAGE	0	0	16
17			0	0			0	0			0	0			0	0	17
18			0	0			0	0			0	0			0	0	18
19			0	0			0	0			0	0			0	0	19
20			0	0			0	0			0	0			0	0	20
21			0	0			0	0			0	0			0	0	21
22			0	0			0	0			0	0			0	0	22
23			0	0			0	0			0	0			0	0	23
24			0	0			0	0			0	0	4.5	0.4	0.2	0	24
25			0	0			0	0			0	0			0	0.4	25
26			0	0			0	0			0	0			0	0	26
27			0	0			0	0			0	0			0	0	27
28			0	0			0	0			0	0			0	0	28
29			0	0			0	0			0	0			0	0	29
30			0	0			0	0			0	0		0	0	0	30
31																	31
TOTAL			0	0			0	0			0	0			0.4	0.4	
Inf. Ac. Ft.			0				0				0				0.4	8540	
Outf. Ac. Ft.			0				0				0				0.4	8540	
Maximum Mean Daily Inflow			0				0				0				0.2	9560	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		0				0				0				0		0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	14.3	feet	on	2/19/58	Storage	111.9	Acre Feet		
Min. W. S. Elev.	DRY	feet	on	VAR. DAYS	Storage	0	Acre Feet		
Max. Peak Inf.	596.	C. F. S. from	11:00 A.M.	on	2/19/58	to	12:00 N.	on	2/19/58
Max. Peak Outf.	55.0	C. F. S. from		on	VAR. DAYS	to		on	

REMARKS

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
J.C. VIDMAR	Dam Tender	Gage Hts. copied	HRW	TS
E.S. BONDIMAN	Hydrographer	Storage applied	HRW	TS
	Hydrographer	Inf. & Outf. comp.	HRW	TS

76D138N-68B Gb 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of HAMILTON BOWL Dam

In Long Beach for the Year Ending September 30, 1959

Drainage Area 3.5 Square Miles. Capacity of Reservoir 160.4 Ac. Ft. at Spillway Elev. 17. ± Ft. as of July 1947

Continuous Water Stage Recorder H.C.F.

Gage Heights Read at various times

Day	October Gage Height	October Acre Ft. Storage	October C.F.S. Inflow	October C.F.S. Outflow	November Gage Height	November Acre Ft. Storage	November C.F.S. Inflow	November C.F.S. Outflow	December Gage Height	December Acre Ft. Storage	December C.F.S. Inflow	December C.F.S. Outflow	January Gage Height	January Acre Ft. Storage	January C.F.S. Inflow	January C.F.S. Outflow	Day
1			0	0			0	0			0	0		0	0	0	1
2			0	0			0	0			0	0			0	0	2
3			0	0			0	0			0	0			0	0	3
4			0	0			0	0			0	0		0	0	0	4
5			0	0			0	0			0	0	6.8	1.9	1.0	0	5
6			0	0			0	0			0	0	4.5	0.4	1.5	2.3	6
7			0	0			0	0			0	0			0	0.2	7
8			0	0			0	0			0	0			0	0	8
9			0	0			0	0			0	0			0	0	9
10			0	0			0	0			0	0			0	0	10
11			0	0			0	0			0	0			0	0	11
12			0	0			0	0			0	0			0	0	12
13			0	0			0	0			0	0			0	0	13
14		NO STORAGE	0	0		NO STORAGE	0	0		NO STORAGE	0	0			0	0	14
15			0	0			0	0			0	0			0	0	15
16			0	0			0	0			0	0			0	0	16
17			0	0			0	0			0	0			0	0	17
18			0	0			0	0			0	0			0	0	18
19			0	0			0	0			0	0			0	0	19
20			0	0			0	0			0	0			0	0	20
21			0	0			0	0			0	0		NO STORAGE	0	0	21
22			0	0			0	0			0	0			0	0	22
23			+	+			0	0			0	0			0	0	23
24			0	0			0	0			0	0			0	0	24
25			0.7	0.7			0	0			0	0			0	0	25
26			0	0			0	0			0	0			0	0	26
27			0	0			0	0			0	0			0	0	27
28			0	0			0	0			0	0			0	0	28
29			0	0			0	0			0	0			0	0	29
30			0	0			0	0			0	0			0	0	30
31			0	0							0	0			0	0	31
TOTAL			0.7	0.7			0	0			0	0			2.5	2.5	
Inf. Ac. Ft.			1.4				0				0				2.5	6.4	
Outf. Ac. Ft.			1.4				0				0				3.0	6.4	
Maximum Mean Daily Inflow			0.7				0				0				0	2.7	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		0				0				0				0		0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	10.3	feet	on	2/16/59	Storage	43.6	Acre Feet		
Min. W. S. Elev	Y	feet	on	VARIOUS DAYS	Storage	0	Acre Feet		
Max. Pe	.2	C. F. S. from	8:00 A.M.	on	2/16/59	to	9:30 A.M.	on	2/16/59
	.0	C. F. S. from		on	VARIOUS DAYS	to		on	

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
J.C. VIDMAR	Dam Tender	Gage Hts. copied	TS	HRW
E.S. BONADIMAN	Hydrographer	Storage applied	HRW	TS
	Hydrographer	Inf. & Outf. comp.	HRW	TS

76D138N-68B Gib 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of HAMILTON BOWL Dam

In ~~On~~ Long Beach for the Year Ending September 30, 19 59

Continuous Water Stage Recorder H.C.F.

Drainage Area 3.5 Square Miles. Capacity of Reservoir 160.4 Ac. Ft. at Spillway Elev. 17. ± Ft. as of July 19 47 Gage Heights Read at various times

Day	February				March				April				May				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1		0	0	0			0	0			0	0			0	0	1
2			0	0			0	0			0	0			0	0	2
3			0	0			0	0			0	0			0	0	3
4			0	0			0	0			0	0			0	0	4
5			0	0			0	0			0	0			0	0	5
6		0	0	0			0	0			0	0			0	0	6
7	3.8	0.2	0.1	0			0	0			0	0			0	0	7
8		0	3.5	3.6			0	0			0	0			0	0	8
9			0	0			0	0			0	0			0	0	9
10			0.2	0.2			0	0			0	0			0	0	10
11			1.1.1	1.1.1			0	0			0	0			0	0	11
12			0.4	0.4			0	0			0	0			0	0	12
13			0	0			0	0			0	0			0	0	13
14		0	0	0			0	0			0	0			0	0	14
15	4.5	0.4	0.2	0			0	0			0	0			0	0	15
16	6.3	1.4	4.2.2	4.1.7			0	0			0	0			0	0	16
17		0	0	0.7			0	0			0	0			0	0	17
18			0.3	0.3			0	0			0	0			0	0	18
19			0.2	0.2			0	0			0	0			0	0	19
20		0	0	0			0	0			0	0			0	0	20
21	6.4	1.5	1.2.5	1.1.7			0	0			0	0			0	0	21
22		0	0	0.8			0	0			0	0			0	0	22
23			0	0			0	0			0	0			0	0	23
24			0	0			0	0			0	0			0	0	24
25			0	0			0	0	6.1	1.2	3.8	3.2			0	0	25
26			0	0			0	0		0	0.3	0.9			0	0	26
27			0	0			0	0			0	0			0	0	27
28		0	0	0			0	0			0	0			0	0	28
29							0	0			0	0			0	0	29
30							0	0		0	0	0			0	0	30
31							0	0							0	0	31
TOTAL			70.7	70.7			0	0			4.1	4.1			0	0	
Inf. Ac. Ft.			140.2				0				8.1				0	154.7	
Outf. Ac. Ft.			140.2				0				8.1				0	154.7	
Maximum Mean Daily Inflow			42.2				0				3.8				0	42.2	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change	0				0				0				0			0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	10.3	feet	on	2/16/59	Storage	43.6	Acre Feet		
Min. W. S. Elev.	DRY	feet	on	VARIOUS DAYS	Storage	0	Acre Feet		
Max. Peak Inf.	99.2	C.F.S. from	8:00 A.M.	on	2/16/59	to	9:00 A.M.	on	2/16/59
Max. Peak Outf.	50.0	C.F.S. from		on	VARIOUS DAYS	to		on	
REMARKS									

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
J.C. VIDMAR	Dam Tender	Gage Hts. copied	TS HRW	
E.S. BONADIMAN	Hydrographer	Storage applied	HRW TS	
	Hydrographer	Inf. & Outf. comp.	HRW TS	

76D138N-68B Gib 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of HAMILTON BOWL Dam

In ~~On~~ Long Beach for the Year Ending September 30, 19 59

Continuous Water Stage Recorder H.C.F.

Drainage Area 3.5 Square Miles. Capacity of Reservoir 160.4 Ac. Ft. at Spillway Elev. 17. ± Ft. as of July 19 47 Gage Heights Read at various times

Day	June				July				August				September				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1			0	0			0	0			0	0			0	0	1
2			0	0			0	0			0	0			0	0	2
3			0	0			0	0			0	0			0	0	3
4			0	0			0	0			0	0			0	0	4
5			0	0			0	0			0	0			0	0	5
6			0	0			0	0			0	0			0	0	6
7			0	0			0	0			0	0			0	0	7
8			0	0			0	0			0	0			0	0	8
9			0	0			0	0			0	0			0	0	9
10			0	0			0	0			0	0			0	0	10
11			0	0			0	0			0	0			0	0	11
12			0	0			0	0			0	0			0	0	12
13			0	0			0	0			0	0			0	0	13
14			0	0			0	0			0	0			0	0	14
15			0	0			0	0			0	0			0	0	15
16			0	0			0	0			0	0			0	0	16
17			0	0			0	0			0	0			0	0	17
18			0	0			0	0			0	0			0	0	18
19			0	0			0	0			0	0			0	0	19
20			0	0			0	0			0	0			0	0	20
21			0	0			0	0			0	0			0	0	21
22			0	0			0	0			0	0			0	0	22
23			0	0			0	0			0	0			0	0	23
24			0	0			0	0			0	0			0	0	24
25			0	0			0	0			0	0			0	0	25
26			0	0			0	0			0	0			0	0	26
27			0	0			0	0			0	0			0	0	27
28			0	0			0	0			0	0			0	0	28
29			0	0			0	0			0	0			0	0	29
30			0	0			0	0			0	0			0	0	30
31							0	0			0	0					31
TOTAL			0	0			0	0			0	0			0	0	
Inf. Ac. Ft.			0				0				0				0	154.7	
Outf. Ac. Ft.			0				0				0				0	154.7	
Maximum Mean Daily Inflow			0				0				0				0	42.2	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change	0				0				0				0			0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	10.3	feet	on	2/16/59	Storage	43.6	Acre Feet		
Min. W. S. Elev.	DRY	feet	on	VARIOUS DAYS	Storage	0	Acre Feet		
Max. Peak Inf.	99.2	C.F.S. from	8:00 A.M.	on	2/16/59	to	9:00 A.M.	on	2/16/59
Max. Peak Outf.	50.0	C.F.S. from		on	VARIOUS DAYS	to		on	
REMARKS									

RECORDS COLLECTED BY	
J.C. VIDMAR	
E.S. BONADIMAN	

		Date
	DR	
Peak Inf.	99.	
Max. Peak Outf.	50	
REMARKS		

TABLE XVI

YEARLY RESERVOIR OPERATION SUMMARY

YEAR	INFLOW			OUTFLOW	PEAK INFLOW			PEAK OUTFLOW			STORAGE A.F.		
	ANNUAL A.F.	MAX. DAY C.F.S.	MIN. DAY C.F.S.	ANNUAL A.F.	MO.	DAY	C.F.S.	MO.	DAY	C.F.S.	MAXIMUM	MINIMUM	SEPT. 30
PACOIMA DAM													
1928-29	N.D.	N.D.	N.D.	N.D.			N.D.			N.D.	1109.	18.	201.
1929-30	1110.	N.D.	N.D.	965.			N.D.			N.D.	756.	23.	40.
1930-31	1082.	N.D.	N.D.	886.			N.D.			N.D.	754.	24.	137.
1931-32	8741.	N.D.	N.D.	8443.			N.D.			N.D.	3589.	33.	311.
1932-33	2160.	101.	0	2119.			N.D.	4	13	81.	1523.	43.	353.
1933-34	3454.	N.D.	N.D.	3493.	1	1	914.	1	26	65.	2002.	48.	62.
1934-35	5569.	84.	0	5556.			N.D.	5	16	92.	3081.	60.	60.
1935-36	3098.	88.	0	3094.	2	12	248.	5	13	129.	2500.	0	4.2/
1936-37	15737.	356.	0	14210.	2	14	508.	2	18	250.	5118.	2.	1531.
1937-38	25878.	2357.	0	26796.	3	2	8320.	3	3	2060.	6397.	0	0 2/
1938-39	3525.	86.	0	3080.	12	19	145.	1	20	68.	998.	0	445.
1939-40	3209.	156.	0	3133.	1	8	928.	2	4	169.	1698.	156.	521.
1940-41	25785.	536.	0	25942.	3	4	815.	3	5	430.	4342.	232.	364.
1941-42	1920.	48.	0.05	2032.	12	29	85.	7	15	97.	1460.	95.	95.
1942-43	20698.	1246.	0.1	20407.	1	23	2650.	1	23	598.	2682.	0	386.
1943-44	15004.	898.	0.4	15167.	2	22	1790.	3	2-3	326.	4816.	0.8	44.
1944-45	4866.	206.	0.4	4911.	2	2	494.	2	2	397.	1258.	0	0
1945-46	4600.	332.	0	2904.	3	30	564.	2	5	241.	3524.	0	1673.
1946-47	4356.	149.	0	6029.	11	20	282.	1	7	237.	1697.	0	0
1947-48	369.	6.4	0.1	335.	4	29	12.	6	29	7.7	267.	0	18
1948-49	723.	10.5	0.1	740.	3	5	17.	6	24	10.	554.	0.4	0.8
1949-50	1063.	18.8	0.1	1019.	2	6	26.	4	11	231.	735.	0.8	44.
1950-51	142.	1.3	0	69.	4	29	2.4	9	30	5.9	156.	44.	117.
1951-52	16794.	681.	0	14325.	1	16	1290.	1	18	634.	3374.	25.	2584.
1952-53	967.	8.5	0	3500.	12	1	32.	11	17	183.	2584.	45.	52.
1953-54	2952.	107.	0.05	2941.	1	25	272.	4	5	292.	2124.	46.	53.
1954-55	748.	18.0	0.05	737.	4	30	25.	4	21	39.	420.	52.	64.
1955-56	1466.	90.	0	1252.	1	27	179.	5	17	66.	1377.	64.	258.
1956-57	573.	9.8	0	773.	1	13	14.	5	7	47.	473.	44.	54.
1957-58	15818.	714.	0	15808.	4	3	1180.	2	5	420.	4139.	0	64.
1958-59	783.	29.	0	708.	1	6	184.	6	18	242.	769.	65.	140.
				NOTE: OUTFLOWS ARE NOT ADJUSTED FOR RESERVOIR LOSSES									
BIG TUJUNGA DAM													
1930-31	N.D.	N.D.	N.D.	N.D.			N.D.			N.D.	239.	43.	156.
1931-32	N.D.	N.D.	N.D.	N.D.			N.D.			N.D.	4908.	156.	798.
1932-33	4342.	218.	0	4518.			N.D.			N.D.	3252.	337.	622.
1933-34	4441.	994.	0	4234.	1	1	2430.	7	17-18	21.1/	4510.	167.	829.
1934-35	11992.	380.	0	10698.	4	8	718.	4	8	540.	6249.	648.	2122.
1935-36	3875.	130.	0	5508.	2	12	312.	2	17	52.	2661.	189.	488.
1936-37	26989.	803.	0.6	25729.	2	6	1740.	2	15-19	366.	6266.	188.	1728.
1937-38	64855.	12030.	1.0	65022.	3	2	32940.	3	2	32600.	7719.	0	0 2/
1938-39	9905.	327.	1.2	9106.	12	19	666.	12	23	424.	2343.	0	800.2/
1939-40	7058.	337.	0.4	7197.	1	8	2302.	1	8	747.	2276.	0	717.2/
1940-41	59402.	1202.	0.9	59086.	3	4	1570.	2	21	1560.±	2313.	+	1033.2/
1941-42	7120.	70.	0.8	7724.	12	10	134.	12	30	47.	2131.	115.	428.
1942-43	52877.	5695.	1.1	52919.	1	23	17850.	1	23	17670.	5321.	0	0
1943-44	42270.	2779.	5.0	41722.	2	22	4770.	2	22	3310.	2485.	0	548.
1944-45	13206.	475.	1.2	12231.	11	11	1850.	11	13	300.	3034.	503.	1523.
1945-46	11543.	1154.	0.8	12383.	3	30	2310.	3	30	983.	4096.	503.	680.
1946-47	12987.	674.	0.9	12827.	11	13	1690.	12	26	501.	1748.	423.	840.
1947-48	2679.	44.	0.7	3579.	4	29	85.	7	15	54.	1640.	0	0
1948-49	2129.	16.	0.1	1645.	3	11	18.	8	30	4.5 1/	1291.	0	484.
1949-50	2029.	32.	0.2	1905.	2	6	43.	7	-	5.4 1/	1556.	165.	609.
1950-51	841.	7.7	0.1	1235.	4	29	17.	8	22	15.	653.	141.	214.
1951-52	27288.	896.	0.3	26125.	1	18	2030.	1	18	1800.	4220.	52.	1377.
1952-53	3496.	35.	0.1	4873.	11	15	108.	9	22	82.	1519.	0	0
1953-54	5389.	212.	0.1	5290.	1	25	500.	3	1	158.	2686.	0	99.
1954-55	2623.	30.	0.2	2282.	1	18	52.	10	3	17.	2020.	0	427.
1955-56	3026.	233.	0.4	3433.	1	26	582.	1	27	148.	1376.	18.	20.
1956-57	1967.	107.	0.1	1660.	1	13	283.	5	22	22.	1444.	20.	326.
1957-58	27558.	1217.	0.1	27563.	4	3	2860.	4	4	1320.	3862.	0	321.
1958-59	3405.	172.	0.1	3152.	1	6	213.	2	16	112.	1753.	121.	574.
				NOTE: OUTFLOWS ARE NOT ADJUSTED FOR RESERVOIR LOSSES									
DEVILS GATE DAM													
1921-29	SOME STORAGE RECORDS AVAILABLE AT CITY OF PASADENA WATER DEPARTMENT.												
1929-30	N.D.	N.D.	N.D.	N.D.			N.D.			N.D.	196.	0	0
1930-31	N.D.	N.D.	N.D.	N.D.			N.D.			N.D.	155.	0	0 2/
1931-32	N.D.	N.D.	N.D.	N.D.			N.D.			N.D.	1715.	0	0
1932-33	N.D.	N.D.	N.D.	N.D.			N.D.			N.D.	1046.	0	0
1933-34	2938.	757.	0	0	1	1	3310.			0	2310.	0	0
1934-35	3843.	N.D.	0	N.D.	10		1310.	1	18	10.	1128.	0	26.2/
1935-36	3457.	N.D.	0	86.	2	2	939.	7	2	12.	1450.	1.7	6.
1936-37	12030.	340.	0	2818.	2	6	852.	2	18	135.1/	3310.	6.0	156.
1937-38	25436.	3720.	0	17496.	3	2	10840.	3	2	6440.	5465.	0	331.2/
1938-39	3044.	200.	0	634.	12	19	201.	12	20	62.1/	760.	0	488.
1939-40	1350.	142.	0	745.	1	8	859.	2	21	74.	959.	0	0
1940-41	27013.	1381.	0	24582.	2	20	3870.	2	20	3120.	1762.	0	531.
1941-42	689.	91.	0	443.	12	10	479.	12	8	27.	378.	4.0	4.0
1942-43	25655.	2559.	0	23552.	1	23	7740.	1	23	5530.	2386.	0.5	58.
1943-44	8680.	1454.	0	7905.	2	22	2310.	2	22	1530.	1823.	0	0
1944-45	2341.	288.	0	2031.	11	11	949.	3	15	434.	730.	0	0
1945-46	2994.	435.	0	1343.	12	22	1040.	12	23	389.	1341.	0	72.
1946-47	4045.	285.	0	3949.	12	25	1280.	12	27	610.	691.	0	0
1947-48	260.	32.	0	57.	3	24	444.	4	5	1.9	101.	0	0
1948-49	185.	14.	0	37.	3	10	59.	6	3	1.3	90.	0	0
1949-50	318.	37.	0	81.	2	6	237.	11	10	99.	138.	0	POOL
1950-51	171.	18.	0	17.	1	11	468.	1	3	22.	82.	0	0
1951-52	11508.	792.	0	11377.	1	16	2650.	1	18	999.	1122.	0	0
1952-53	563.	51.	0	194.	11	15	823.	1	7	25.	258.	0	0
1953-54	1324.	178.	0	488.	1	25	565.	1	25	120.	578.	0	0
1954-55	651.	50.	0	154.	1	18	334.	11	22	6.8	207.	0	0.7
1955-56	2229.	591.	0	1339.	1	26	1420.	1	27	402.	982.	0	0
1956-57	926.	111.	0	142.	2	23	795.	10	4	124.	416.	0	0
1957-58	9642.	447.	0	6508.	4	3	1020.	2	4	498.	1563.	0	68.3
1958-59	1055.	160.	0	465.	1	6	1280.	2	16	158.	712.	0	POOL
				NOTE: OUTFLOWS ARE ADJUSTED FOR RESERVOIR LOSSES									

LEGEND

1/ MEAN DAILY
2/ STORAGE CORRECTED FOR DEBRIS LOSS
3/ INCLUDES IMPORTED WATER
N.D. NOT DETERMINED

YEARLY RESERVOIR OPERATION SUMMARY

YEAR	INFLOW			OUTFLOW	PEAK INFLOW			PEAK OUTFLOW			STORAGE A.F.		
	ANNUAL A.F.	MAX. DAY C.F.S.	MIN. DAY C.F.S.	ANNUAL A.F.	MO.	DAY	C.F.S.	MO.	DAY	C.F.S.	MAXIMUM	MINIMUM	SEPT. 30.
EATON DAM													
1936-37	3062.	112.	0	1502.	2	14	112. 1/	VAR.	TIMES	40.	613.	0	0
1937-38	6993.	883.	0	5213.	3	2	2670.	3	2	2700.	963.	0	0 2/
1938-39	340.	51.	0	84.	12	18	169.	12	19	29.	112.	0	62.
1939-40	390.	31.	0	96.	1	8	220.	10	8	13.	149.	0	0 2/
1940-41	7323.	188.	0	6089.	2	20	426.	2	20	256.	432.	0	0.1 2/
1941-42	78.	11.	0	0	12	10	73.	-	-	0	47.	0	0
1942-43	7212.	498.	0	6399.	1	23	1700.	1	23	1100.	643.	0	0
1943-44	2901.	265.	0	1970.	2	22	371.	3	14	268.	398.	0	+
1944-45	331.	52.	0	101.	11	11	204.	2	2	26.	107.	0	0
1945-46	514.	77.	0	265.	12	23	284.	12	22	121.	174.	0	0
1946-47	746.	74.	0	507.	11	13	286.	12	26	86.	211.	0	0
1947-48	64.	11.	0	5.0	4	28	90.	12	4	9.0	39.	0	0.8
1948-49	36.	4.7	0	1.2	1	20	9.9	12	18	0.3	7.1	0	0
1949-50	188.	23.	0	61.	12	18	88.	11	14	62.	54.	0	0
1950-51	44.	3.8	0	7.5	1	11	80.	5	3	3.9	13.	0	0
1951-52	2636.	151.	0	2020.	1	16	495.	1	18	204.	381.	0	0
1952-53	145.	18.	0	0	12	1	225.	-	-	0	57.	0	0
1953-54	533.	56.	0	202.	1	19	220.	2	14	72.	221.	0	0
1954-55	146.	14.	0	0	1	18	91.	-	-	0	42.	0	0
1955-56	330.	123.	0	151.	1	26	422.	1	26	41.	215.	0	0
1956-57	127.	20.	0	9.2	2	23	138.	6	6	10.	36.	0	0
1957-58	3114.	150.	0	2248.	4	1	443.	4	4	140.	635.	0	0
1958-59	301.	46.	0	152.	1	6	702.	2	16	164.	93.	0	0
				NOTE: OUTFLOWS ARE ADJUSTED FOR RESERVOIR LOSSES									
BIG SANTA ANITA DAM													
1926-27*	1208.	13.	0.4	1030.			N.D.			N.D.	668.	147.	312.
1927-28	1009.	22.	0.1	1162.			N.D.			N.D.	244.	0	97.
1928-29	1214.	30.	0	1256.			N.D.			N.D.	630.	11.	94.
1929-30	1276.	25.	0.1	964.			N.D.			N.D.	711.	9.0	302.
1930-31	989.	34.	0	1155.			N.D.			N.D.	316.	25.	87.
1931-32	4010.	236.	0.1	3883.			N.D.	12	28	112.	614.	20.	130.
1932-33	2190.	152.	0	2022.	1	19	390.	1	22	34.	805.	58.	414.
1933-34	2603.	322.	0	2622.	1	1	800.±	1	1	400.	695.	54.	231.
1934-35	3693.	92.	0.1	3585.	4	8	449.	4	8	146.	763.	18.	340.
1935-36	2480.	84.	0	2535.	2	12	228.	2	17-19	52.+	686.	33.	265. 2/
1936-37	8798.	192.	0	8616.	2	6	313.	2	14	140.	1022.	108.	448.
1937-38	16594.	1778.	1.3	16689.	3	2	5140.	3	2	5070.	1202.	0	0 2/
1938-39	2726.	74.	0.4	2461.	12	19	159.	9	26	50. EST.	435.	0	265.
1939-40	2743.	62.	0.4	2664.	1	8	378.	2	4	73.	573.	0	312. 2/
1940-41	15225.	239.	0.4	15235.	3	4	300.±	VAR.	TIMES	260.	512.	0	302.
1941-42	2070.	25.	0.6	2140.	12	29	53.	12	29	31.	571.	209.	232.
1942-43	19371.	1113.	0.6	19440.	1	23	3100.	1	23	3060.	717.	0	0
1943-44	7463.	514.	1.3	7294.	2	22	813.	2	22	573.	540.	0	169.
1944-45	4147.	101.	1.1	4133.	11	11	303.	VAR.	TIMES	260.	650.	7.6	184.
1945-46	3426.	164.	0.8	3360.	12	23	492.	12	22	298.	673.	124.	250.
1946-47	4489.	122.	0.7	4462.	11	20	382.	12	26	203.	439.	0	277.
1947-48	1075.	14.	0.3	1243.	4	28	41.	2	5	5.2	413.	109.	109.
1948-49	1031.	17.	0.2	983.	1	20	32.	1	20	10.	348.	65.	157.
1949-50	1357.	30.	0.2	1311.	12	18	115.	12	19	25.	383.	123.	204.
1950-51	460.	4.5	0.1	497.	1	11	9.7	4	24	56.	256.	89.	167.
1951-52	8408.	351.	0.1	8292.	1	16	837.	1	16	478.	483.	0	282.
1952-53	1562.	20.	0.5	1729.	12	1	153.	11	30	39.	344.	115.	115.
1953-54	3302.	201.	0.4	3412.	1	24	1240.	1	25	570.	555.	0	5.4
1954-55	1432.	18.	0.3	1437.	11	11	173.	3	16	32.	187.	0	0
1955-56	2218.	175.	0.3	2196.	1	26	569.	1	28	120.	458.	0	23.
1956-57	1535.	36.	0.5	1431.	2	23	122.	1	13	39.	261.	23.	126.
1957-58	11696.	298.	0.7	11715.	4	3	618.	4	3	230.	607.	21.	64.
1958-59	2183.	66.	0.6	2033.	1	6	622.	2	16	46.	259.	66.	214.
				NOTE: OUTFLOWS ARE NOT ADJUSTED FOR RESERVOIR LOSSES. * RECORD BEGINS 3/31/57									
SAWPIT DAM													
1927-28*	26.	N.D.	0	39.			N.D.			N.D.	66.	N.D.	27.
1928-29	96.**	5.3	0	108.**			N.D.			N.D.	91.	0	16.
1929-30	219.**	7.9	0	208.**	3	15	7.9 1/	9	30	3.1 1/	195.	0	11.
1030-31	97.**	3.9	0	68.**	2	5	3.9 1/	5	16	3.0	87.	0	29.
1931-32	710.	56.	0	726.	2	9	76.	2	17	16.	234.	0	12.
1932-33	184.	8.6	0	185.	1	20	8.6 1/	1	27	7.2 1/	112.	0	0
1933-34	468.	106.	0	457.	1	1	240.	1	1	136.	156.	0	0
1934-35	548.	36.	0	540.	4	8	168.	12	15	25. EST.	146.	0	0
1935-36	574.	22.	0	574.	2	11	72.	2	15	22.	91.	0	0 2/
1936-37	1434.	36.	0	1401.	2	14	36.1/	2	14	34. 1/	93.	0	33.
1937-38	2909.	384.	0	2868.	3	2	1070.	3	2	665. 1/	447.	0	0 2/
1938-39	232.	17.	0	170.	9	25	17.1/	9	25	16. 1/	61.	0	58.
1939-40	264.	11.	0	308.	1	8	39.	1	7	20. EST.	62.	15.	15.
1940-41	2180.	63.	0	2195.	3	4	109.	3	5	59.	114.	0	0 2/
1941-42	107.	3.7	0	39.	12	29	4.8	3	14	2.5	75.	0	69.
1942-43	2966.	162.	0	2950.	1	23	520.	1	23	284.	300.	0	58.
1943-44	747.	73.	0	743.	2	22.	138.	2	22	70.	133.	0.2	62.
1944-45	316.	16.	0	319.	11	11	59.	11	12	18.	65.	16.	59.
1945-46	254.	24.	0	250.	12	23	85.	12	23	36.	78.	8.6	58.
1946-47	362.	23.	0	361.	11	20	77.	12	26	26.	66.	1.6	47.
1947-48	23.	0.3	0	5.1	4	28	2.9	5	14	0.1	63.	45.	58.
1948-49	42.	0.4	0	32.	3	10	0.9	2	9	18.	63.	48.	56.
1949-50	86.	2.1	0	77.	12	18	7.9	6	30	2.6	63.	55.	56.
1950-51	32.	0.8	0	32.	1	11	2.4	1	15	46.	56.	23.	46.
1951-52	1112.	60.	0	1092.	1	16	226.	1	16	46.	120.	38.	62.
1952-53	88.	3.2	0	82.	12	1	34.	11	24	26.	63.	0	57.
1953-54	274.	14.	0	263.	1	24	105.	2	13	30.	60.	54.	42.
1954-55	142.	4.3	0	139.	11	11	73.	11	11	25.	46.	42.	42.
1955-56	204.	37.	+	210.	1	26	148.	1	26	35.	78.	29.	33.
1956-57	80.	C.8	0	65.	2	23	8.1	2	23	3.3	43.	32.	40.
1957-58	1371.	46.	0	1368.	4	3	112.	4	3	54.	62.	29.	42.
1958-59	815.	36.	0.1	804.	1	6	1600.	2	16	16.	130.	0	3.0
				NOTE: OUTFLOWS ARE ADJUSTED FOR RESERVOIR LOSSES. * RECORD BEGINS 3/5/28 ** RECORDS INCOMPLETE FOR YEAR									

LEGEND

1/ MEAN DAILY
2/ STORAGE CORRECTED FOR DEBRIS LOSS
3/ INCLUDES IMPORTED WATER
N.D. NOT DETERMINED

YEARLY RESERVOIR OPERATION SUMMARY

YEAR	INFLOW			OUTFLOW	PEAK INFLOW			PEAK OUTFLOW			STORAGE A.F.		
	ANNUAL A.F.	MAX. DAY C.F.S.	MIN. DAY C.F.S.	ANNUAL A.F.	MO.	DAY	C.F.S.	MO.	DAY	C.F.S.	MAXIMUM	MINIMUM	SEPT. 30.
COGSWELL DAM													
1934-35*	3517.*	54.	0.1	3517.	4	18	54.1/	4	14	55.1/	780.	0	0
1935-36	7154.	265.	0	7138.	2	12	265.1/	2	17	43.1/	2866.	0	16.
1936-37	32986.	943.	0.1	32996.	2	14	1240.	2	14	752.	10611.	0	5.
1937-38	60336.	7992.	1.4	58799.	3	2	24710.	3	2	23430.	14091.	0	16.2/
1938-39	11560.	673.	0.9	11369.	9	25	1360.	9	25	1160.	2141.	0	20.
1939-40	9634.	309.	0.8	9569.	1	8	2020.	1	15	1240.	1541.	0	2.72/
1940-41	61270.	1402.	0.5	59951.	2	20	1640.	2	20	1160.	9847.	2.7	1321.2/
1941-42	6080.	108.	0.3	7331.	12	10	294.	11	1	90.	1252.	1.4	1.4
1942-43	54700.	4316.	0.7	53703.	1	23	15000.	1	23	7100.	8383.	0	0
1943-44	38150.	2865.	1.4	37460.	2	22	4650.	2	22	1160.	9031.	0	424.
1944-45	11887.	424.	1.4	10385.	11	11	1600.	10	31	420.	3378.	0	1719.
1945-46	14711.	1255.	0.8	16377.	3	30	2790.	3	30	810.	1952.	0	6.3
1946-47	20135.	1032.	0.1	20135.	12	25	2290.	1	6	1300.	2853.	0	0
1947-48	3103.	86.	0.3	3032.	4	29	262.	2	5	28.	439.	0	47.
1948-49	2911.	32.	0.3	2765.	1	20	65.	7	21	19.	2215.	47.	64.
1949-50	3778.	99.	0.4	3536.	12	18	239.	3	2	84.	2785.	64.	127.
1950-51	887.	9.6	0.3	568.	4	29	24.	9	6	14.	627.	49.	353.
1951-52	33783.	1263.	0.3	25439.	1	16	2640.	1	18	1940.	10671.	75.	8111.
1952-53	4410.	70.	0.8	12345.	12	1	254.	1	9	328.	8111.	23.	31.
1953-54	8004.	412.	0.3	7500.	1	24	1030.	1	26	146.	5108.	31.	257.
1954-55	3941.	51.	0.3	3165.	4	30	176.	10	1	37.	2896.	42.	806.
1955-56	4070.	419.	0.1	3564.	1	26	1040.	4	19	14.	2664.	153.	1092.
1956-57	3421.	225.	0.2	3757.	1	13	685.	11	10	156.	2014.	42.	548.
1957-58	36476.	1462.	0	34530.	4	3	3710.	4	4	1230.	10425.	78.	1876.
1958-59	4904.	340.	0.4	6205.	1	6	1760.	2	16	126.	1876.	135.	315.
				NOTE: OUTFLOWS ARE ADJUSTED FOR RESERVOIR LOSSES. * RECORD BEGINS 4/18/35								
SAN GABRIEL DAM													
1937-38*	339155.	30720.	37.	332893.	3	2	89320.	3	2	56700.	58600.	0	53.2/
1938-39	67231.	1328.	23.	61655.	12	19	2780.	5	11	3050.	5793.	48.	5793.2/
1939-40	58554.	757.	18.	63386.	1	8	2270.	4	16	4200.	12146.	349.	373.2/
1940-41	306801.	3941.	20.	305515.	2	20	5780.	3	3	6300.	43386.	248.	248.
1941-42	50285.	297.	20.	49759.	12	29	468.	11	7	8880.	6661.	224.	268.
1942-43	271286.	17180.	20.	267085.	1	23	46000.	1	23	10360.	31345.	236.	964.
1943-44	184923.	5708.	43.	184622.	2	22	9860.	5	20	4970.	32980.	SUMP ONLY	SUMP ONLY
1944-45	91961.	1300.	28.	90131.	11	11	6440.	3	26	9100.	23055.	SUMP ONLY	973.
1945-46	99531.	2984.	28.	89502.	12	21	5760.	4	4	9200.	30395.	336.	9739.2/
1946-47	107688.	3337.	18.	104088.	12	26	6520.	12	28	7670.	19196.	2003.	11970.
1947-48	29259.	257.	9.9	37794.	4	29	506.	12	12	2660.	12342.	1703.	1703.
1948-49	24728.	94.	11.	21546.	1	20	120.	6	2	3780.	9191.	267.	4026.
1949-50	27797.	266.	9.5	27736.	12	19	448.	12	5	3150.	6925.	-1068.	3196.
1950-51	10169.	54.	3.0	13002.	1	11	174.	4	20	211.	3196.	0	0
1951-52	159048.	3339.	3.9	118918.	1	16	6130.	1	16	5200.	41282.	0	38209.
1952-53	41270.	375.	7.5	77961.	12	1	544.	12	22	6260.	38209.	0	184.
1953-54	60515.	1276.	8.3	56517.	1	25	2940.	4	10	3910.	4955.	0	3399.
1954-55	39159.	171.	18.	37304.	4	30	313.	4	15	2610.	8349.	1163.	4455.
1955-56	35215.	950.	14.	38127.	1	26	2250.	9	19	1780.	10166.	558.	558.
1956-57	37210.	1088.	15.	35069.	1	13	2850.	4	12	705.	7213.	0	1886.
1957-58	230745.	4270.	21.	229610.	4	3	6900.	4	5	2580.	42791.	0	2018.
1958-59	43762.	1030.	14.	43100.	1	6	3080.	2	24	460.	8013.	862.	2040.
				NOTE: OUTFLOWS ARE ADJUSTED FOR RESERVOIR LOSSES * RECORD BEGINS 11/17/37								
BIG DALTON DAM													
1929-30	52.	3.2	1.8	52.	3	16	3.2+	4	29	1.8 1/	39.	0	0
1930-31	41.	2.0	0	41.	4	26	3.0	3	11	16.	26.	0	0
1931-32	690.	54.	0	688.	2	9	86.	2	11	134.	269.	0	2.0
1932-33	79.	5.2	0	81.	1	20	12.	9	22	4.0	63.	0	0
1933-34	448.	93.	0	448.	1	1	227.	1	18	9.3 1/	319.	0	0
1934-35	593.	21.	0	575.	4	8	49.	9	23	6.1	577.	0.5	19.2/
1935-36	360.	12.	0	370.	2	11	72.	7	29	3.5 1/	352.	6.7	9.
1936-37	1879.	51.	0	1868.	2	6	98.	2	16	20.	1007.	8.5	20.
1937-38	3271.	415.	0	3192.	3	2	1320.	3	2	739.	1021.	9.0	16.2/
1938-39	280.	4.3	0	288.	1	5	26.	7	8	2.7	272.	4.5	9.
1939-40	232.	4.0	0	236.	1	8	29.	9	11	2.7	230.	4.5	4.
1940-41	2767.	56.	+	2748.	3	4	88.	3	5	65.	971.	4.5	24.
1941-42	209.	2.3	0	233.	3	14	6.0	8	-	0	153.	0	0
1942-43	3143.	160.	0.1	3110.	1	23	595.	3	4-6	111.1/	760.	0	13.
1943-44	1087.	109.	0.05	1085.	2	22	226.	2	23	55.	803.	13.	15.
1944-45	734.	19.	0	729.	11	11	47.	8	27	3.9	706.	15.	20.
1945-46	525.	40.	0	509.	12	23	148.	8	3-5	13.0 1/	547.	20.	36.
1946-47	492.	16.	0	512.	11	20	56.	12	30	12.	358.	14.	16.
1947-48	58.	0.7	0	7.7	4	28	9.7	12	22	9.9	66.	13.	64.
1948-49	94.	0.8	0	113.	12	17	3.3	9	15	7.9	119.	20.	23.
1949-50	142.	2.0	0	130.	2	6	3.5	1	21	11.	90.	4.0	19.
1950-51	27.	0.1	+	14.	1	11	4.8	7	9	2.2	34.	19.	22.
1951-52	1626.	73.	0	1577.	1	16	154.	1	19	33.	621.	22.	33.
1952-53	120.	1.4	+	68.	12	1	4.8	1	7	31.	71.	0.1	69.
1953-54	346.	13.	0	359.	1	25	53.	2	15	9.0	310.	25.	26.
1954-55	87.	0.9	+	5.0	1	18	2.4	-	-	0	93.	26.	89.
1955-56	190.	14.	+	213.	1	26	56.	8	7	38.	176.	21.	46.
1956-57	76.	0.9	+	27.	1	13	1.8	11	9	18.	82.	21.	80.
1957-58	2104.	97.	0	2052.	4	3	169.	4	5	50.	947.	21.	63.
1958-59	160.	6.4	+	133.	2	16	26.	4	13	28.	153.	30.	64.2/
				NOTE: OUTFLOWS ARE ADJUSTED FOR RESERVOIR LOSSES BEGINNING 1947-48									

LEGEND

1/ MEAN DAILY
2/ STORAGE CORRECTED FOR DEBRIS LOSS
3/ INCLUDES IMPORTED WATER
N.D. NOT DETERMINED

YEARLY RESERVOIR OPERATION SUMMARY

YEAR	INFLOW			OUTFLOW	PEAK INFLOW			PEAK OUTFLOW			STORAGE A.F.		
	ANNUAL A.F.	MAX. DAY C.F.S.	MIN. DAY C.F.S.	ANNUAL A.F.	MO.	DAY	C.F.S.	MO.	DAY	C.F.S.	MAXIMUM	MINIMUM	SEPT. 30.
SAN DIMAS DAM													
1927-28	N.D.	N.D.	N.D.	N.D.			N.D.			N.D.	249.	0	0
1928-29	N.D.	N.D.	0	N.D.			N.D.			N.D.	486.	0	0
1929-30	591.	28.	0	573.			N.D.			N.D.	535.	0	27.
1930-31	585.	23.	0	466.			N.D.			N.D.	217.	21.	46.
1931-32	2502.	162.	0	2496.	2	9	162. 1/	2	10	69.+	775.	25.	51.
1932-33	652.	50.	0	648.			N.D.	1	24	17.	269.	21.	56.
1933-34	1351.	229.	0	1357.	1	1	422.	1	4	120.	500.	39.	50.
1934-35	1753.	60.	0	1682.	4	8	145.	VAR.	TIMES	14.+	1184.	48.	121.
1935-36	1094.	35.	0	1136.	2	11	155.	4	10	135.	696.	32.	32. 2/
1936-37	6316.	154.	0	6126.	2	6	296.	2	7	127.	1301.	27.	222. 2/
1937-38	12492.	1601.	0.4	12494.	3	2	4920.	3	2	4690.	1704.	0	0 2/
1938-39	2165.	43.	0.2	2024.	1	5	80.	12	19	24.	560.	0	141.
1939-40	1532.	60.	0	1600.	1	8	302.	2	4	36.	778.	23.	68. 2/
1940-41	9645.	131.	0.1	9240.	3	4	235.	VAR.	TIMES	145.	1171.	13.	473. 2/
1941-42	1603.	16.	0.2	1855.	12	10	29.	12	12	23.	624.	173.	173.
1942-43	9271.	573.	0.5	9095.	1	23	1700.	1	23	1230.	1153.	58.	276.
1943-44	5348.	398.	0.1	5423.	2	22	785.	2	22	555.	1042.	78.	173.
1944-45	3747.	97.	0.9	3811.	11	11	375.	2	3	51.	1042.	36.	109.
1945-46	2560.	149.	0.1	2368.	12	23	519.	12	23	154.	845.	74.	302.
1946-47	2705.	100.	0.1	2982.	11	20	340.	11	20	60.	387.	17.	25.
1947-48	720.	10.	0	706.	2	5	15.	8	4	4.7	590.	25.	38.
1948-49	728.	11.	0.1	694.	1	20	19.	1	22	5.3	498.	38.	72.
1949-50	734.	25.	0.1	750.	12	18	65.	4	3	60.	500.	51.	56.
1950-51	300.	5.3	0.1	301.	4	29	16.	4	11	4.8	146.	49.	55.
1951-52	4864.	208.	0.1	4593.	1	16	453.	3	16	252.	1032.	55.	326.
1952-53	822.	9.8	0.1	1092.	12	1	25.	3	17	6.1	486.	52.	55.
1953-54	1514.	97.	0.1	1501.	1	25	327.	2	14	88.	616.	52.	68.
1954-55	561.	11.	0.1	526.	1	18	27.	6	20.	6.4	417.	58.	95.
1955-56	736.	98.	0.1	767.	1	26	362.	1	26	54.	467.	53.	64.
1956-57	462.	12.	0.1	433.	1	13	41.	6	29	5.0	280.	41.	83.
1957-58	6786.	299.	0	6503.	4	3	753.	4	3	270.	996.	83.	366.
1958-59	931.	37.	0.1	1239.	2	16	189.	2	18	20.	419.	50.	58.
				NOTE: OUTFLOWS ARE NOT ADJUSTED FOR RESERVOIR LOSSES									
PUDDINGSTONE DIVERSION DAM													
1931-32	N.D.	N.D.	N.D.	N.D.			N.D.			N.D.	63.	0	0
1932-33	N.D.	N.D.	N.D.	N.D.			N.D.			N.D.	70.	0	0
1933-34	N.D.	N.D.	N.D.	N.D.			N.D.			N.D.	70.	0	0
1934-35	N.D.	N.D.	N.D.	N.D.			N.D.			N.D.	18.	0	0
1935-36	304.	48.	0	304.*	4	10	85.	4	10	1400.	119.	0	0 2/
1936-37	5019.	104.	0	4646.	2	15	104. 1/	3	27	1690.	111.	0	0
1937-38	11697.	1636.	0	11509.	3	2	5760.	3	2	5780.	149.	0	8.0 2/
1938-39	1288.	28.	0	1293.*	1	10	23.	12	19	30. EST.	6.0	0	0
1939-40	350.	26.	0	155.	1	8	33.	2	4	25.	27.	0	0 2/
1940-41	7213.	133.	0	6776.	3	14	155.	3	14	154.	30.	0	0
1941-42	341.	13.	0	203.	12	12	24.	12	29	10.	27.	0	0
1942-43	8593.	970.	0	7939.	1	23	2040.	1	23	2040.	76.	0	0
1943-44	3406.	357.	0	3010.	2	22	724.	2	22	724.	60.	0	0
1944-45	1719.	64.	0	1294.	2	2	88.	2	2	74.	54.	0	0
1945-46	970.	159.	0	773.	12	23	234.	12	23	229.	58.	0	0
1946-47	1400.	55.	0	1109.	12	26	58.	12	26	58.	52.	0	0
1947-48	0	0	0	0			0			0	0	0	0
1948-49	0	0	0	0			0			0	0	0	0
1949-50	0	0	0	0			0			0	0	0	0
1950-51	0	0	0	0			0			0	0	0	0
1951-52	3366.	158.	0	2910.	1	16	201.	3	16	208.	61.	0	0
1952-53	0	0	0	0			0			0	0	0	0
1953-54	628.	57.	0	429.	2	14	82.	2	14	80.	65.	0	0
1954-55	0	0	0	0			0			0	0	0	0
1955-56	196.	34.	0	128.	1	26	93.	1	27	39.	63.	0	0
1956-57	0	0	0	0			0			0	0	0	0
1957-58	5938.	227.	0	5172.	4	3	284.	4	3	253.	71.	0	0
1958-59	89.	14.	0	49.	2	18	18.	2	17	7.3	31.	0	0
				NOTE: OUTFLOWS ARE ADJUSTED FOR RESERVOIR LOSSES EXCEPT YEARS INDICATED *									
PUDDINGSTONE DAM													
1927-28	N.D.	N.D.	N.D.	N.D.			N.D.			N.D.	437.	N.D.	211.
1928-29	114.	12.	0	151.			N.D.	10	10	2.0	274.	162.	178.
1929-30	295.	15.	0	223.			N.D.	9	11	4.5	431.	145.	250.
1930-31	73.	8.5	0	119.	4	26	8.5 1/	10	16	+2.4 1/	252.	189.	204.
1931-32	1547.	162.	0	1086.	2	8	162. 1/	VAR.	TIMES	+9.5 1/	1732.	192.	665.
1932-33	314.	30.	0	906.	1	18	30. 1/	11	20	+6.1 1/	653.	70.	70.
1933-34	2669.	596.	0	1809.	1	1	596. 1/	VAR.	TIMES	+6.0 1/	2685.	28.	854.
1934-35	610.	N.D.	N.D.	846.	1	15	205.	VAR.	TIMES	5.2	1283.	516.	517.
1935-36	703.	54.	0	969.	4	10	590.	12	26	5.3 1/	943.	250.	250.
1936-37	5732.	303.	0	2173.	2	6	1480.	VAR.	TIMES	+11. 1/	5838.	147.	3808.
1937-38	12221.	2199.	0	7544.	3	2	5310.	3	18	100.	12881.	3060.	8486.
1938-39	1576.	101.	0	5305.	12	19	101. 1/	VAR.	TIMES	+27. 1/	8486.	4626.	4756.
1939-40	646.	54.	0	2524.	1	7	448.	6	19	11.	4745.	2109.	2109.
1940-41	12030.	377.	0	3308.	3	4	1080.	6	10	14.	12739.	1494.	9668. 2/
1941-42	475.	30.	0	4385.	12	10	409.	12	2	91.	9668.	4612.	4612.
1942-43	10043.	1126.	0	4836.	1	23	2300.	3	4	287.	11271.	3925.	8320.
1943-44	3408.	525.	0	3178.	2	22	1030.	3	2	49.	9700.	7022.	7138.
1944-45	1615.	139.	0	2376.	11	11	484.	9	28	8.0	7866.	5412.	5412.
1945-46	1591.	275.	0	6009.	12	23	929.	VAR.	TIMES	32.	5412.	237.	237.
1946-47	1414.	96.	0	788.	11	13	445.	8	8	9.3	1576.	236.	543.
1947-48	324.	31.	0	362.	12	5	195.	8	8	9.1	569.	274.	274.
1948-49	336.	21.	0	201.	3	13	240. 3/	7	29	7.7	513.	232.	232.
1949-50	493.	55.	0	140.	2	6	178.	VAR.	TIMES	5.0	659.	227.	419.
1950-51	182.	15.	0	145.	1	29	162.	10	19	7.0	419.	257.	309.
1951-52	4673.	353.	0	1857.	1	16	952.	VAR.	TIMES	9.4	4815.	299.	2512.
1952-53	928.	32.	0	1140.	12	1	358.	5	13	9.7	2512.	1511.	1807.
1953-54	31282. 3/	244.	0	31609.	1	25	600.	9	23	400.	9729.	237.	237.
1954-55	26065. 3/	255.	0	23287.	11	11	338. 3/	12	10	388.	8248.	227.	1743.
1955-56	57309. 3/	458.	0	50771.	1	26	1360.	12	22	373.	9800.	1743.	5585.
1956-57	50583. 3/	216.	0	53781.	1	13	262.	4	26	401.	9765.	977.	1832.
1957-58	6670.	302.	0	1976.	4	3	690.	VAR.	TIMES	8.0	8254.	1824.	5820.
1958-59	394.	68.	0	72.	1	6	871.	VAR.	TIMES	0.1	5845.	5086.	5086.
				NOTE: OUTFLOWS ARE ADJUSTED FOR RESERVOIR LOSSES AFTER 1938-39.									

LEGEND

1/ MEAN DAILY
2/ STORAGE CORRECTED FOR DEBRIS LOSS
3/ INCLUDES IMPORTED WATER
N.D. NOT DETERMINED

YEARLY RESERVOIR OPERATION SUMMARY

YEAR	INFLOW			OUTFLOW	PEAK INFLOW			PEAK OUTFLOW			STORAGE A.F.		
	ANNUAL A.F.	MAX. DAY C.F.S.	MIN. DAY C.F.S.	ANNUAL A.F.	MO.	DAY	C.F.S.	MO.	DAY	C.F.S.	MAXIMUM	MINIMUM	SEPT. 30.
LIVE OAK DAM													
1931-32	N.D.	N.D.	N.D.	N.D.			N.D.			N.D.	115.	0	0
1932-33	0	0	0	0			0			0	0	0	0
1933-34	N.D.	N.D.	N.D.	142.			N.D.	1	2	9.0	160.	0	0
1934-35	27.	2.3	0	9.5	4	8	16.	7	19	0.6	26.	0	0
1935-36	N.D.	4.1	0	0			N.D.			0	33.	0	4.0 2/
1936-37	494.	35.	0	413.	2	6	139.	2	6	36.	97.	0	0
1937-38	800.	147.	0	785.	3	2	339.	3	2	200.	217.	0	0 2/
1938-39	21.	1.0	0	3.2	2	3	1.4	9	16	8.0	21.	0	0
1939-40	16.	1.2	0	1.4	1	8	11.	5	31	10.	16.	0	0
1940-41	719.	39.	0	718.	3	4	90.	3	13	28.	139.	0	0
1941-42	0	+	+	0			+			+	+	0	0
1942-43	827.	76.	0	827.	1	22	170.	1	23	50.	170.	0	0
1943-44	218.	33.	0	218.	2	22	74	2	22	20.	71.	0	0
1944-45	177.	9.4	0	177.	2	2	67.	2	3	12.	53.	0	0
1945-46	105.	22.	0	89.	12	23	127.	12	25	2.1	68.	0	0
1946-47	64.	7.5	0	45.	11	20	25.	12	30	2.1	43.	0	0
1947-48	0	0	0	0			0			0	0	0	0
1948-49	0	0	0	0			0			0	0	0	0
1949-50	4.7	0.3	0	3.6	12.	19.	2.6	6	13.	0.5	4.2	0	0
1950-51	0	0	0	0			0			0	0	0	0
1951-52	362.	34.	0	343.	1	16	148.	1	18	21.	64.	0	3.4
1952-53	2.0	0.05	0	3.2	12	1	0.8	10	9	0.4	3.4	0	0.1
1953-54	78.	13.	0	64.	1	25.	82.	5	26	9.1	39.	0	0
1954-55	0.3	0.05	0	0.3			N.D.			0	0.2	0	0
1955-56	77.	25.	0	72.	1	26.	128.	1	27	8.2	61.	0	0
1956-57	1.9	0.1	0	0.1	1	13	1.1	5	29	0.5	0.2	0	0
1957-58	699.	38.	0	698.	4	3	67.	2	4	19.	128.	0	0
1958-59	5.6	0.8	0	5.4	1	6	9.2	4	13	0.6	5.4	0	0
				NOTE: OUTFLOWS ARE NOT ADJUSTED FOR RESERVOIR LOSSES									
THOMPSON CREEK DAM													
1931-32	81.+ EST.	N.D.	N.D.	81.± EST.	2	9	91.	2	8	5.0	62.	0	0
1932-33	0	0	0	0			0			0	0	0	0
1933-34	N.D.	N.D.	N.D.	0			N.D.			0	112.	0	0 2/
1934-35	1.+	N.D.	N.D.	0			N.D.			0	1.0	0	0
1935-36	1.±	N.D.	N.D.	0			N.D.			0	1.0	0	0
1936-37	274.	24.	0	0			N.D.			0	204.	0	0
1937-38	1099.	259.	0	872.	3	2	580.	3	3	120.	632.	0	4.0
1938-39	21.	0.6	0	0	1	30	1.1			0	8.5	0	0
1939-40	49.	4.5	0	0	1	7	26.			0	20.	0	0
1940-41	640.	46.	0	2.8	3	4	97.	3	14	4.2	329.	0	2.1
1941-42	0.3	0.05	0	0	12	10	0.5	3	14	1.0 EST.	2.1	0	0
1942-43	767.	121.	0	333.	1	23	270.	1	25	17.	360.	0	1.5
1943-44	286.	56.	0	0	2	22	111.			0	159.	0	0
1944-45	149.	18.	0	0	11	12	132.			0	83.	0	0
1945-46	148.	25.	0	0	12	23	120.			0	90.	0	0
1946-47	88.	16.	0	0	11	20	47.			0	39.	0	0
1947-48	0	0	0	0			0			0	0	0	0
1948-49	0	0	0	0			0			0	0	0	0
1949-50	6.2	1.6	0	0	12	19	4.5			0	3.9	0	0
1950-51	0	0	0	0			0			0	0	0	0
1951-52	314.	30.	0	34.	1	16	70.	3	17	4.9	127.	0	0
1952-53	12.	1.3	0	0	12	1	8.2			0	2.9	0	0
1953-54	194.	19.	0	0	1	25	172.			0	63.	0	0
1954-55	4.4	0.6	0	0	1	18	1.4			0	0.9	0	0
1955-56	58.	25.	0	0	1	26	117.			0	55.	0	0
1956-57	4.4	1.5	0	0	1	13	5.8			0	2.5	0	0
1957-58	389.	34.	0	219.	4	3	67.	4	5	8.0	254.	0	0
1958-59	5.6	1.7	0	0	2	16	4.7			0	5.6	0	0
				NOTE: OUTFLOWS ARE ADJUSTED FOR RESERVOIR LOSSES									
HAMILTON ROYL - LONG BEACH, CALIFORNIA													
1936-37	N.D.	N.D.	N.D.	N.D.			N.D.			N.D.	N.D.	0	0
1937-38	N.D.	177.	0	N.D.	3	2	528.	2	27	56.	280.	0	0
1938-39	880.	130.	0	880.	9	25	649. EST.	9	25-26	64. EST.	243.	0	0
1939-40	556.	49.	0	556.	1	23	798.	1	23-24	54.	84.	0	0
1940-41	1481.	74.	0	1481.	12	23	581.	3	3	57.	150.	0	0
1941-42	389.	36.	0	389.	3	14	182.	3	14	52.	22.	0	0
1942-43	548.	98.	0	548.	1	22	253.	1	24	56.	146.	0	0
1943-44	931.	164.	0	931.	2	22	1618.	3	2	70.	270.	0	0
1944-45	582.	53.	0	582.	11	11	391.	2	1	61.	49.	0	0
1945-46	473.	67.	0	473.	2	3	280.	12	23	70.	96.	0	0
1946-47	647.	136.	0	647.	11	12	652.	11	14	58.	237.	0	0
1947-48	232.	26.	0	232.	2	5	212.	2	5	54.	14.	0	0
1948-49	273.	25.	0	273.	12	17	238.	12	17	54.	29.	0	0
1949-50	400.	54.	0	400.	2	6	276.	2	6	54.	79.	0	0
1950-51	254.	28.	0	254.	1	29	201.	4	28	56.	21.	0	0
1951-52	940.	58.	0	940.	1	16	427.	1	18	56.	153.	0	0
1952-53	417.	38.	0	417.	11	15	490.	12	30	54.	44.	0	0
1953-54	612.	84.	0	612.	2	13	379.	11	14	58.	130.	0	0
1954-55	372.	28.	0	372.	1	18	324.	2	17	48.	35.	0	0
1955-56	610.	152.	0	610.	1	26	348.	1	26	58.	327.	0	0
1956-57	167.	14.	0	167.	1	12	64.	1	26	53.	6.2	0	0
1957-58	864.	96.	0	864.	2	19	596.	VAR.	TIMES	55.	112.	0	0
1958-59	153.	42.	0	153.	2	16	99.	VAR.	TIMES	50.	44.	0	0
				NOTE: OUTFLOWS ARE NOT ADJUSTED FOR RESERVOIR LOSSES									

LEGEND

1/ MEAN DAILY
2/ STORAGE CORRECTED FOR DEBRIS LOSS
3/ INCLUDES IMPORTED WATER
N.D. NOT DETERMINED

GROUND WATER
&
CONSERVATION

WATER CONSERVATION

FOREWORD

Hydrologic conditions fluctuated widely during the biennial period due to the abnormally heavy rains of the winter 1957-58 followed by the subnormal drought season of 1958-59. Many of the statements presented below are repetitous of previous reports, but are included to provide a review for those who are familiar with the report and present a complete outline for those who are not. All specific facts and figures have been brought up to date and facilities and projects initiated during the last two years are described for the first time.

One of the principal responsibilities of the Los Angeles County Flood Control District, as set forth in the provisions of the Flood Control Act, is to save or conserve in any manner all possible storm runoff and waste waters of the District for useful purposes. The limited available surface storage must be utilized primarily for Flood Control purposes. Therefore, the large capacity required for conservation of local runoff can be most economically developed by facilities to recharge ground water basins. These facilities include principally spreading grounds, large pits, open-bottom channels adjacent to paved flood channels, and recharge wells.

For many years natural channels of major streams have been scarified to promote percolation of storm runoff. As natural channels have been paved, spreading grounds have been constructed when economically feasible, to compensate for the percolation lost due to this paving. Both controlled releases from dams, and uncontrolled storm waters are conserved in these facilities.

In the case of ground water basins that have been seriously overdrawn, the danger of permanent damage to the capacity of the aquifers exists. This has led to consideration of artificial recharge with imported water where available. Such measures were undertaken in the West Coast Basin in 1952 and in the Central Coastal Basin in 1954, and they have been continued under the water conservation zones sections in the Flood Control Act.

SPREADING GROUNDS

There are some 3070 gross acres of spreading grounds in the County, of which the District owns and operates 1480 acres, and it cooperates with other agencies in the maintenance and operation of 1450 acres more, leaving 140 acres controlled by others. All combined, they have a percolation capacity of nearly 2000 cfs. Although historically such capacity has not been continuously available, due to dam and channel improvements in progress, judicious reservoir operation and streambed scarification have utilized all available percolation capacity to a maximum,

The table on pages 460 to 464 give basic spreading grounds data, the amount of water conserved therein and the amount of water conserved by means of reservoir and channel absorption. Water conserved in off-channel spreading grounds and through recharge wells amounted to 152,766 acre-feet in 1957-58 and 42,449 acre-feet in 1958-59. Reservoir and natural channel percolation conserved 244,520 acre-feet during 1957-58 and 68,650 acre-feet in 1958-59. These quantities include imported water purchased from the Metropolitan Water District under the water conservation zone programs. The quantities of imported water are given in detail hereafter under the heading ''Water Conservation Zones''.

NEW FACILITIES

Spreading operations were commenced or spreading capacity was increased during this period at the following District projects:

Ben Lomond Spreading Grounds - north side, diversion headworks and intake pipeline

Buena Vista Spreading Basin - diversion pipeline from Sante Fe channel

Dominguez Gap Spreading Grounds - east side

Eaton Wash Spreading Grounds - Pit No. 3 and spreading strip

Irwindale Spreading Basin - diversion headworks and basin excavations

Pacoima Spreading Grounds - development of Pacoima Wash between Woodman Avenue and Arleta Street

Eaton Spreading Basin - Basin excavation

Construction, which either impaired channel percolation and/or improved off-stream spreading facilities, was completed in conjunction with the following Federal flood control projects: Eaton Wash Channel; Sierra Madre Villa Channel and Debris Basins; and San Antonio Dam and Channel. Portions of the following channels were completed; Arcadia, Walnut Creek Inlet, San Dimas, Santa Anita, Rio Hondo, and Big Dalton.

WATER QUALITY

The District, with its interest and delegated responsibilities in the field of water conservation, is vitally concerned with preservation of the integrity of native underground waters. Geologic, hydrologic, and water quality data on file with the District are made available to other public agencies and to those concerned with quality of water and the disposal of industrial wastes.

As one of its functions, the District collects and analyzes samples from streams and wells to obtain a continuing record of water quality and to develop basic norms on the quality of various surface waters and underground waters within the District. During the period covered by this report, 2487 complete and 2041 partial analyses were made for this purpose.

Since the latter part of 1952, the District has engaged in a Deep Well Sampling Program in the Central Coastal Basin, in cooperation with the Central Basin Water Association through the following members: California Water Service Company, California Water Service Company, Long Beach Water Department, Lynwood Water Department, Southern California Water Company and Vernon Water Department. The purpose of this study is to determine if the recharge of the basin with imported waters has any important effect on the quality of native waters. Samples from some 51 representative deep wells in the region have been collected annually and analyzed for chemical quality by the cooperating agencies and the District's Foundation and Testing Division. The results of these analyses from 1952 to 1959 show no significant changes within this region despite the fact that over 320,398 acre-feet of Colorado River water have been introduced during a period which has been deficient in percolation from local runoff.

Regarding the prevention of pollution and contamination of ground waters, it is District policy to cooperate with the various public agencies having mutual interests

including State and local health departments, the State Water Pollution Control Boards, the State Department of Water Resources, State Department of Fish and Game, State Division of Oil and Gas, County Engineer, the County Sanitation Districts and the Water and Power, Public Works and Harbor Departments of the City of Los Angeles.

WATER CONSERVATION ZONES

On January 29, 1952, the District's Board of Supervisors formed Water Conservation Zone I embracing most of the Central Coastal Basin. The life of this zone was five years, from July 1, 1952 to June 30, 1957. In October, 1956, it was re-formed to become effective July 1, 1957, with some slight changes in the area included.

On January 29, 1954, Water Conservation Zone II, embracing most of the West Coast Basin, was similarly formed for five years, from July 1, 1954 to June 30, 1959. Re-formation of this zone was approved in January 1959, to become effective July 1, 1959.

Zone I

With the completion of the Metropolitan Water District's Garvey - La Verne Feeder and its discharge facilities, deliveries of untreated Colorado River water are now made directly to Alhambra Wash at Rush Street and the San Gabriel River near San Bernardino Road. These deliveries were begun in January, 1958, and December, 1957, respectively, and thus eliminated the long route through Puddingstone Reservoir and Walnut Wash reducing the attendant percolation losses in a basin not contributing funds for the purchase of imported water.

During the 1957-58 season, this District purchased 105,112 acre-feet at $12 per acre-foot; during 1958-59, the water purchased amounted to 54,421 acre-feet at $12 per acre-foot. The total imported water purchased since 1954 under this zone totals 320,398 acre-feet.

The effect of spreading imported water and the above normal runoff resulting from heavy rains during the spring of 1958 resulted in raising the water table of the forebay area below Whittier Narrows Dam 74 feet (to elevation +92 feet at key well 1601P). This was accomplished over the period from December 1957, to July 1, 1958. The spreading of imported water continued to February, 1959, maintaining the water surface elevations at or near the level reached in July of 1958. By September 30, 1959, the water level had dropped to elevation +55 feet.

Zone II

The ad valorem tax levied on Zone II has provided funds for the purchase of treated Metropolitan Water District water at $22 per acre-foot to continue operation of the West Coast Basin Barrier Project. During 1957-58, a total of 4,272 acre-feet was purchased; and during 1958-59, the purchases amounted to 3,639 acre-feet. The levy also provided funds for the completion of a water reclamation test in June, 1958, using effluent from the Hyperion Treatment Plant of the City of Los Angeles.

WEST COAST BASIN BARRIER PROJECT

Operation of the West Coast Basin Barrier Project is continuing to control the intrusion of sea water in a segment of the West Coast Basin. Through the injection of fresh water into recharge wells, a ground water pressure ridge has formed a barrier to the inland flow of sea water. The project was started in 1951 and details of the initial work were described in a previous Hydrologic Report covering water years

1951-52 through 1956-57. The present project was begun as a large scale field test and was originally financed by an Appropriation of the State Legislature and administered by the State Water Resources Board. The test facilities were constructed, operated and maintained by this District. In November, 1958, the State Department of Water Resources published a complete report including the findings of this test.

The project facilities were transferred to this District by the State in 1955, and are now considered to be the nucleus of a proposed 11-mile fresh-water barrier in the West Coast Basin. By January, 1958, an extension to the original recharge line was completed, thus extending the protection against sea water intrusion from 3800 feet of coastline. This extension involved the construction of three recharge wells, six observation wells, 2600 feet of permanent pipeline, and a pressure regulation station. There are now eleven recharge wells operating with a combined injection rate of 5.5 cfs.

EXPLORATION WELLS AND OBSERVATION WELLS

In the development planning of new spreading grounds, in geologic exploration of proposed barrier projects, and for control of spreading operations, wells have been drilled to obtain geologic data and to provide for observation of ground water levels. During the biennial period, wells were drilled as follows:

Location	Number of Drilled Holes	Number of Sites
West Coast Basin - Coastal Strip, Santa Monica Bay	70	40
Central Basin - Dominguez Gap	8	4
Central Basin - Alamitos Gap	40	23
Central Basin - Montebello Forebay	4	1
Central Basin - Vicinity of Belvedere	4	4
San Gabriel Valley - Vicinity of Ben Lomond Spreading Grounds	21	11
San Gabriel Valley - Vicinity of San Jose Creek	7	7
San Fernando Valley - Vicinity of Pacoima Spreading Grounds	7	4
Totals	161	94

Geologic logs and water level data for these wells are available in the District's files.

SEASONAL DATA AND MAPS

During the biennial period covered by this report, over 61,900 measurements of ground water level elevations were secured from some 3,060 wells as follows:

Description		Number of Wells Measured	Number of Measurements Made
Key: Measured by District Monthly or oftener for current data		111	2,870
For special studies, measured by District		605	20,430
For semiannual ground water maps measured by District		1,096	3,770
For semiannual ground water maps obtained from outside sources		1,248	34,900
	Totals	3,060	61,970
In addition to above, at West Coast Basin Barrier Project		118	8,340

Hydrographs for several of the key wells are included in this report on pages 467 to 480.

Thirteen years of the current 15-year drought period have averaged less than 75 per cent of the 85-year rainfall average. The subnormal rainfall coupled with increased pumping extractions in the County during the present biennial period have resulted in again establishing historical low ground water surface elevations in many ground water basins in Los Angeles County. This condition has been particularly evident in the Coastal Plain where, with progressive recession, differentials in water levels or pressure gradients between the series of important shallow and deep aquifers have become marked. Formerly, differentials were not appreciable, as both the shallow and deep aquifers have been adequately recharged by rainfall during the previous wet cycle. More recently, however, the differentials became so accentuated and significant as to require at least primary segregation of aquifers on the basis of shallow (Upper Pleistocene) and deep (Lower Pleistocene) aquifers. Hence, as compared to the ground water maps of the Coastal Plain prepared from 1930 to the fall of 1953 which did not segregate aquifers, but showed composite contours for combined shallow and deep aquifers, current shallow aquifer maps specifically delineate contours for the principal producing shallow and/or merged aquifers. Deep zone maps prepared from 1951 to the fall of 1953 showed composite principal deep aquifer contours in the Central Coastal Basin only. Current deep aquifer maps delineate separate contours for the principal deep and/or merged producing aquifers in both the Central Coastal and West Coast Basins. (Maps XIII to XVIII, pages 497 and 507.)

In addition to the maps prepared by this District, ground water maps for Antelope Valley were drawn by the State Department of Water Resources with whom the District collaborates in the collection of data. (Maps XXI and XXII, pages 513 and 515.)

GROUND WATER BASINS

A brief discussion of the functioning of the ground water basin groups follows. For a more detailed description of the nature of the basins, reference is made to the Reports on Hydrologic Data for the years 1941-42 and 1951-53. Subsequent analysis of prior and current data substantiate the findings reported in the 1941-42 and 1951-53 Reports.

Ground water basins, in general, are bedrock depressions, filled with alluvium, and separated one from another by natural barriers or dykes. These barriers are bedrock ridges, faults, or sometimes merely the less pervious interface of intersecting alluvial cones. Some barriers have visible surface features, others are buried. All restrict the underground flow of water to a greater or lesser degree.

Ground water is stored in the pore spaces of the alluvium and is normally in constant movement. At lower depths, where pore space is completely filled, the water tends, by the action of gravity, to form a continuous surface known as the ''water table''. This is an individual condition for each basin and the gradient, or slope, of this surface indicates the pattern of ground water flow within the basin. In certain basins, the water is under pressure within an aquifer capped by impervious strata (confined aquifer).

Ground water basins in Los Angeles County are grouped under their five local watershed areas; namely, San Fernando Valley, San Gabriel Valley, Coastal Plain, Santa Clara River Valley, and Antelope Valley. Reference is made to Map No. IV, page 465 for basin locations.

San Fernando Valley:

The San Fernando Valley group consists of the main San Fernando Basin and four relatively shallow sub-basins adjacent to it on the north. The sub-basins, though separated from San Fernando Basin by hills and buried bedrock ridges, still contribute a significant underflow to it.

The Department of Water and Power of the City of Los Angeles supplies the major part of the San Fernando Valley with water imported from the Owens River. There is relatively little draft on the ground water in the western half of the valley, and in the northerly and southerly portion of this area water levels have risen slightly. In the easterly sector of the valley, which is subjected to heavier draft, there has not been any appreciable decline of water levels.

Ground water contour maps for the San Fernando Valley are shown on pages 481 to 487.

San Gabriel Valley:

The San Gabriel Valley group consists of the Main Basin and about a dozen smaller tributary basins around its periphery. Some of these smaller basins are, to an extent, interconnected and discharge one to another when suitable conditions prevail; ultimately, all discharging into the Main Basin. The storage capacities of these sub-basins are comparatively small and some have a seasonal water level variation of more than 100 feet.

A portion of the ground water supply to the Main Basin is discharged through Whittier Narrows to the Montebello Forebay of the Central Coastal Basin in the form of underflow and effluent seepage, the latter being locally referred to as rising water. After reaching the lowest rate ever recorded in the summer of 1957, the rising water flow rapidly increased due to the heavy rainfall of the 1957-58 season. The decline of water levels in the Main Basin was halted by a significant rise in the Spring of 1958 which raised the water table in the central part of the basin over 40 feet, the effects of which extended outward to the margins of the basin.

A considerable portion of the area overlying the Main Basin depends entirely upon wells to supply the large local demand. Although Main Basin storage has declined during recent years, elevations were still high enough to discharge 35,120 acre-feet of rising water through the Whittier Narrows during 1958-59. Much of the waste water once returned to this basin and the Coastal Plain is now wasted to the ocean through sewers; such waste has been a contributing factor to the serious decline of ground water levels.

Ground water contour maps for the San Gabriel Valley are shown on pages 489 to 495 .

Coastal Plain:

This group consists of the large Central Coastal Basin and two smaller basins - West Coast Basin and Hollywood Basin.

The Central Coastal Basin lies immediately south and southwest of Whittier Narrows and comprises two readily distinguishable areas, namely an Intake Area or Forebay, and a Pressure Area. In the Intake Area, the aquifer is unconfined and is replenished by percolation from the surface flow that traverses it and from the spreading grounds. In the Pressure Area, the aquifers are confined beneath relatively impermeable strata and the major amount of replenishment must be by underflow from the Intake Area.

The most important contributor to this Intake Area, the Rio Hondo, has been imperviously lined. Artificial recharge facilities have been constructed along the west side of the Rio Hondo to offset this loss, in addition to the spreading grounds on the east side. Sides of the San Gabriel River have been lined at some locations, but the natural open-bottom of the riverbed has been preserved. The Los Angeles River, also a contributor to the Intake Area of the Coastal Plain, has been imperviously lined in the Coastal Plain.

The West Coast Basin lies oceanward of the Newport-Inglewood Uplift. This barrier is not a simple fault, but rather a series of echelon faults extending southeasterly from the Santa Monica Mountains to Newport Beach. Replenishment of the basin is from Central Coastal Basin underflow across or through these faults, from the Santa Monica Mountains, and from the Pacific Ocean. The latter flow, sea water, has become a hazard of major importance to the integrity of the basin as a source of fresh water supply. Steps taken to halt this deleterious condition have been previously described.

Hollywood basin is separated, in the most part, from the Central Basin by an east-west anticlinal fold. This basin is distinct from Central Basin inasmuch as its source of replenishment is primarily the runoff and underflow from the Santa Monica Mountains.

Ground water levels over most of the Coastal Plain have remained essentially unchanged from the pattern of the 1955-57 period. The long-term decline of the water level has temporarily been arrested due to the heavy rainfall of 1958. As

discussed previously, a large rise in water levels occurred in the Montebello Forebay during 1957-58. The lateral distribution of this water into the Pressure Area helped bolster water levels through 1958-59.

Ground water contour maps for the Coastal Plain are shown on pages 497 to 507.

Santa Clara River Valley:

The primary ground water basin in that portion of the Santa Clara River Valley within Los Angeles County, referred to as the Eastern Basin, receives underflow from several tributaries containing relatively shallow alluvium. In the Eastern Basin, the wells produce from a zone of free ground water within the shallow alluvial deposits and from the deeper confined or pressure aquifers within the semipervious sediments of the Saugus and Mint Canyon formations underlying and bordering the shallow alluvium.

Artificial recharge of the basin with excess water from the Owens River Aqueduct of the Los Angeles Department of Water and Power, where it crosses the main and tributary basins, was suspended some years ago due to increased water demand in the Los Angeles Metropolitan Area. A surcharge of storage develops with a continuous period of wet seasons which is gradually dissipated through the associated increase of effluent seepage, or rising water. Flow of cummulative effluent seepage during the spring months reaches a maximum in the vicinity of the Ventura County line.

Due to the small differential in water levels between spring and fall, and the small amount of storage involved, only the fall ground water contour maps are drawn for this area, and are shown on pages 509 to 511.

Antelope Valley:

Antelope Valley contains one principal ground water basin, Lancaster Basin, and three smaller sub-basins: Neenach Basin at the west end of the valley; Buttes and Rock Creek Basins in the southeastern part of the valley. Three additional relatively shallow structural basins, Valyermo, Pallett Creek and Amargosa, are tributary to the larger ground water basins and are located along the San Andreas rift zone.

Inflow to the Lancaster Basin is small in respect to the present rate of draft. There is some continuous underflow from tributary basins, but no surface recharge takes place except in the years that stream flow extends into the area below an elevation of 2,600 feet. Even after the optimum year in recent rainfall history (1940-41), there was only a partial recovery of the season's loss. In general, ground water levels in the Lancaster Basin have dropped steadily for the period of available record commencing in the early 1920's.

Antelope Valley ground water contour maps are shown on pages 513 to 515.

RESPONSIBILITY

Due to the increasing importance and scope of water conservation work by the Flood Control District, a new division titled Water Conservation Division was established on May 1, 1958. All activities relating to water conservation were reassigned from Hydraulic Division and placed under the jurisdiction of the new Division.

For the period presented in this report, field and office work was under the direction of Finley B. Laverty, Division Engineer, Hydraulic Division, through May 1, 1958, and Division Engineer of Water Conservation Division through February 1, 1959. On the appointment of Mr. Laverty to Assistant Chief Engineer, Arthur E. Bruington assumed the direction of field and office work from February 1, 1959 through September 30, 1959, assisted by Howard H. Haile.

E. J. Koch was Acting Section Head of the Conservation and Ground Water Section until February 1, 1958. At this date Mr. Bruington took over the duties of Section Head until the Water Conservation Division was organized as a separate Division on May 1, 1958.

After the new Division was formed, the work was supervised by the following Section Heads: E. J. Zielbauer; G. E. Carlat; T. H. Stauffer; H. H. Haile (until April, 1959); A. A. Ingram; G. Gartner (acting, until his death in June, 1959); and W. Hylen (acting, June to September, 1959).

TABLE XVII

RESERVOIR AND CHANNEL ABSORPTION

EXCLUSIVE OF SPREADING GROUNDS ABSORPTION

STREAM	REACH OF STREAM WHERE ABSORPTION OCCURRED	TOTAL RELEASE TO REACH A.F.	ABSORPTION IN CHANNELS, RESERVOIRS AND DIVERSIONS A.F.	EXCESS OF RELEASE OVER ABSORPTION A.F.	YEAR
PACOIMA	DAM TO LINED CHANNEL	15,810. 703.	5,250. 3/ 1/ 703. 3/ 1/	10,560. 0	1957-58 1958-59
TUJUNGA	MOUTH OF CANYON TO HANSEN DAM	42,350. 4,900.	8,710. 3/ 1/ 4,180. 3/ 1/	33,640. 720.	1957-58 1958-59
DEVILS GATE	RESERVOIR ONLY		3,070. 1/ 658. 1/		1957-58 1958-59
EATON	RESERVOIR ONLY		867. 1/ 149. 1/		1957-58 1958-59
SANTA ANITA	DAM TO ARROW HIGHWAY	13,580. 2,030.	6,060. 1,400.	7,520. 630.	1957-58 1958-59
SAN GABRIEL	MOUTH OF CANYON TO FOOTHILL BOULEVARD (CANYON BASIN)	189,190. 16,250.	20,290. 2,300. EST.	168,890. 13,950.	1957-58 1958-59
SAN GABRIEL	FOOTHILL BOULEVARD TO SANTA FE DAM (MAIN BASIN)	165,770. 13,780.	42,900. 1/ 4,660. 1/	122,870. 9,120.	1957-58 1958-59
SAN GABRIEL	SANTA FE DAM TO RISING WATER (MAIN BASIN)	132,960. 39,350.	62,140. 9,530.	70,820. 29,820.	1957-58 1958-59
SAN GABRIEL	BELOW STANDEFER DITCH TO FLORENCE AVENUE (COASTAL PLAIN)	92,170. 2/ 43,470. 2/	57,500. 3/ 30,770. 3/	35,670. 12,700.	1957-58 1958-59
SAN GABRIEL	FLORENCE AVENUE TO SPRING STREET (COASTAL PLAIN)	23,960. 3,130.	1,070. 790.	22,890. 2,340.	1957-58 1958-59
RIO HONDO	SANTA FE DAM TO LOWER AZUSA ROAD (MAIN BASIN)	19,530. 0	3,440. 0	16,090. 0	1957-58 1958-59
RIO HONDO	MISSION BRIDGE TO LINED CHANNEL (COASTAL PLAIN)	137,360. 2/ 43,700. 2/	19,190. 1/ 11,870. 1/	118,170. 31,830.	1957-58 1958-59
SAN DIMAS	DAM TO PUDDINGSTONE DIVERSION DAM AND PUDDINGSTONE DIVERSION DAM TO ALOSTA AVENUE	6,530. 1,260.	2,790. 3/ 1/ 1,260. 3/ 1/	3,740. 0	1957-58 1958-59
LIVE OAK	DAM TO FOOTHILL BOULEVARD	594. 1.8	422. 1.8	172. 0	1957-58 1958-59
WALNUT	PUDDINGSTONE DAM TO SAN GABRIEL RIVER	314. 60.	314. 60.	0 0	1957-58 1958-59
THOMPSON	DAM TO FOOTHILL BOULEVARD	219. 0	389. 1/ 5.6 1/	0 0	1957-58 1958-59
SAN ANTONIO	DAM TO BASELINE ROAD	16,950. 0	10,120. 1/ 313. 1/	12,880. 0	1957-58 1958-59
	TOTALS		244,520. 68,650.		1957-58 1958-59

NOTES

1/ INCLUDES PERCOLATION AND EVAPORATION LOSSES IN RESERVOIR.
2/ INCLUDES RISING WATER IN VICINITY OF WHITTIER NARROWS.
3/ INCLUDES WATER DIVERTED FOR USE.
EXCESS OF RELEASE OVER ABSORPTION INCLUDES WATER PERCOLATED IN OFF-CHANNEL SPREADING GROUNDS.

TABLE XVIII

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
WATER CONSERVATION DIVISION
SUMMARY OF DATA ON SPREADING GROUNDS
OWNED AND OPERATED BY THE DISTRICT
SEPTEMBER 1959

GROUNDS	TYPE	SEASON FIRST USED	AREA IN ACRES GROSS	AREA IN ACRES WETTED	CAPACITIES CHANNEL* CFS	CAPACITIES INTAKE CFS	CAPACITIES STORAGE A.F.	CAPACITIES FERC. CFS	LOCATION	SOURCE OF WATER	REMARKS
LOPEZ	SHALLOW BASINS	1956-57	18	13		25	25	22	SOUTHEASTERLY SIDE OF PACOIMA WASH NORTHEASTERLY OF FOOTHILL BOULEVARD.	CONTROLLED FLOW FROM PACOIMA DAM AND LOPEZ FLOOD CONTROL BASIN.	THE FLOW IS DIVERTED FROM LOPEZ FLOOD CONTROL BASIN VIA CANAL TO THE SPREADING GROUNDS. GROSS AREA INCLUDES 1.3 ACRES IN EASEMENT, EDISON COMPANY , AND 3.26 ACRES IN STREETS, BUT EXCLUDES CANAL AREA NORTHWESTERLY SIDE OF CHANNEL.
PACOIMA	SHALLOW BASINS	1932-33	175	122	17,000	400	330	100	BOTH SIDES OF OLD PACOIMA WASH CHANNEL FROM ARLETA STREET SOUTHWESTERLY TO WOODMAN AVENUE.	CONTROLLED FLOW FROM PACOIMA DAM, PARTIALLY CONTROLLED FLOW FROM LOPEZ FLOOD CONTROL BASIN, UNCONTROLLED FLOW BETWEEN LOPEZ FLOOD CONTROL BASIN AND SPREADING GROUNDS.	DIVERSION FROM PACOIMA DIVERSION CHANNEL PLACED IN USE APRIL 1954. GROSS AREA EXCLUDES NEW CHANNEL BUT INCLUDES YARD AREA TO PAXTON STREET AND AREA FOR ACCESS TO DIVERSION HEADWORKS.
HANSEN	SHALLOW BASINS	1944-45	156	110	22,000	450	230	210	NORTHWESTERLY SIDE OF TUJUNGA WASH FROM ABOVE GLENOAKS BOULEVARD SOUTHWESTERLY TO SAN FERNANDO ROAD.	CONTROLLED FLOW FROM HANSEN DAM AND BIG TUJUNGA DAM.	GROSS AREA INCLUDES ALL LANDS NORTHWESTERLY OF LINE 50'± FROM AND PARALLEL TO NORTHWESTERLY CHANNEL WALL.
BRANFORD	DEEP BASIN	1956-57	12		1,540	1,540	-	+	SOUTHWESTERLY OF ARLETA STREET ABOVE CONFLUENCE OF TUJUNGA CHANNEL AND PACOIMA DIVERSION CHANNEL.	UNCONTROLLED FLOWS FROM BRANFORD STREET-CANTARA STREET DRAIN.	BASIN UNDER DEVELOPMENT, THEREFORE STORAGE AND PERCOLATING CAPACITY SUBJECT TO CHANGE. OUTLET CAPACITY = 1540 CFS.
ARROYO SECO	SHALLOW BASINS	1948-49	24	19	-	100	30	26	EASTERLY SIDE OF ARROYO SECO. LOWER END 0.5 MILE ABOVE DEVILS GATE DAM.	ARROYO SECO UNCONTROLLED FLOW.	GROSS AREA INCLUDES 10 ACRES OF THE 19.3 ACRE SPREADING GROUNDS EASEMENT AND APPROXIMATELY 14 ACRES OF DEVILS GATE RESERVOIR EASEMENT. SPILLWAY CAPACITY = 400 CFS.
EATON SPREADING GROUNDS	DEEP AND SHALLOW BASINS	1947-48	29	9	6,600	100	420	10	EASTERLY SIDE OF EATON WASH BELOW EATON DAM TO FOOTHILL BOULEVARD.	CONTROLLED FLOW FROM EATON WASH DAM AND SIERRA MADRE VILLA CHANNEL.	GROSS AREA INCLUDES PART OF CHANNEL R/W UTILIZED FOR SPREADING GROUNDS IN EASEMENT FOR CANAL TO BASIN NO. 3 FROM EDISON CO. NET AREA OF BASIN NO. 1 = 2.4 ACRES, BASIN NO. 2 = 5 ACRES, BASIN NO. 3 = 7.5 ACRES, AND CANALS = 2 ACRES.
SANTA ANITA	SHALLOW BASINS	1944-45	16	8	-	20	25	7	WESTERLY SIDE OF SANTA ANITA WASH 1.25 MILES ABOVE FOOTHILL BOULEVARD.	CONTROLLED FLOW FROM SANTA ANITA DAM, UNCONTROLLED FLOWS BETWEEN DAM AND SANTA ANITA SPREADING HEADWORKS.	GROSS AREA EXCLUDES PIPELINE AND SPREADING HEADWORKS R/W.
SAWPIT	SHALLOW BASINS	1946-47	11	4	-	30	13	12	WESTERLY SIDE OF SAWPIT WASH BELOW MOUTH OF CANYON AT HEAD OF NORUMBEGA STREET, MONROVIA.	PARTIALLY CONTROLLED FLOW FROM SAWPIT DAM AND SAWPIT DEBRIS BASIN.	GROSS AREA INCLUDES 0.69 ACRE UNDER EASEMENT FOR ORIGINAL INTAKE AND PIPELINE, R/W ON EASTERLY SIDE OF CHANNEL FOR CANAL; PIPELINE AND ACCESS NOT INCLUDED IN GROSS.
BIG DALTON CANYON	SHALLOW BASINS, DITCHES, AND CHECKS	1930-31	24	9	-	45	25	33	WESTERLY SIDE OF BIG DALTON WASH, INTAKE 3/4 MILE ABOVE SIERRA MADRE AVENUE.	CONTROLLED FLOWS FROM BIG DALTON DAM, UNCONTROLLED FLOWS BETWEEN BIG DALTON DAM AND SPREADING GROUNDS.	ACQUIRED IN FEE WITH CERTAIN RESTRICTIONS (SEE AGREEMENT DATED APRIL 7, 1954) BY L.A.C.F.C.D. FROM CITY OF GLENDORA ET. AL.
EATON SPREADING BASIN	DEEP BASIN	1956-57	16	-	9,600	400	200	10	EAST SIDE OF EATON CHANNEL NORTH OF DUARTE ROAD, 0.6 MILE SOUTH OF HUNTINGTON DRIVE.	CONTROLLED FLOW FROM EATON WASH DAM AND UNCONTROLLED FLOWS BETWEEN DAM AND SPREADING BASIN.	BASIN UNDER DEVELOPMENT, THEREFORE STORAGE AND PERCOLATING CAPACITY SUBJECT TO CHANGE. OUTLET CAPACITY = 450 CFS. EASEMENT FOR ACCESS AND ENCROACHING SLOPE ACQUIRED FROM EDISON CO. NOT INCLUDED IN GROSS AREA.
BUENA VISTA	DEEP BASIN	1954-55	10	-	2,900	2,900	150	30	1.0± MILE EASTERLY OF SAWPIT WASH, 0.5± MILE NORTHERLY OF ARROW HIGHWAY, BETWEEN MERIDIAN STREET AND BUENA VISTA CHANNEL.	BUENA VISTA CHANNEL, UNCONTROLLED FLOW, CONTROLLED FLOW FROM SANTA FE DAM.	NO OUTFLOW EXPECTED FOR CAPITAL STORM, BUT A SMALL OUTLET STRUCTURE OF 150 CFS PROVIDED. INLET CAPACITY OF SANTA FE DIVERSION = 120 CFS.
SANTA FE	SHALLOW BASINS	1953-54	193	133	-	500	200	220	WITHIN SANTA FE DAM RESERVOIR AREA, NORTH OF SPILLWAY.	CONTROLLED FLOWS FROM SAN GABRIEL CANYON AND UNCONTROLLED FLOWS FROM BRADBURY CHANNEL.	RIGHT OF WAY, HELD UNDER LICENSE FROM THE FEDERAL GOVERNMENT, INCLUDES 30± ACRES IN SAN GABRIEL RIVER BED FOR EARTH DIVERSION LEVEE. BRADBURY CHANNEL FLOW (CAPACITY OF 4900 CFS) DISCHARGES INTO BASIN NO. 4.
IRWINDALE	DEEP BASIN	1958-59	17	-	20,000	200	92	8	NORTHEASTERLY OF INTERSECTION OF BIG DALTON CHANNEL AND IRWINDALE AVENUE, CONTINUES 1300 FEET EAST OF IRWINDALE AVENUE.	BIG DALTON CHANNEL, CONTROLLED FLOWS FROM BIG AND LITTLE DALTON DEBRIS DAMS AND PUDDINGSTONE DIVERSION DAM; LOCAL UNCONTROLLED RUNOFF BETWEEN SPREADING BASIN AND THESE UPSTREAM DAMS.	UPSTREAM AREA USED FOR SPREADING; DOWNSTREAM AREA, EXCAVATION. ULTIMATELY THESE TWO AREAS WILL BE COMBINED.
BEN LOMOND	SHALLOW BASINS	1958-59	24	5±	-	25	12	8	BOTH NORTH AND SOUTH SIDES OF SAN DIMAS WASH CHANNEL AT SOUTHWESTERLY CORNER OF INTERSECTION OF ARROW HIGHWAY AND BEN LOMOND AVENUE.	CONTROLLED RELEASES FROM COVINA IRRIGATING COMPANY PIPELINE.	SPREADING GROUNDS UTILIZED TO CONSERVE EXCESS SURFACE SAN GABRIEL CANYON WATER RELEASES TO THE COVINA IRRIGATING CO. 13.9 GROSS ACRES ARE TEMPORARILY DEVELOPED NORTH OF SAN DIMAS CHANNEL, 10.4 ACRES ARE UNDEVELOPED SOUTH OF THE CHANNEL.
SAN GABRIEL COASTAL	SHALLOW BASINS	1938-39	117	96	-	200	400	51	WESTERLY SIDE OF SAN GABRIEL RIVER, SOUTHERLY FROM WHITTIER BOULEVARD TO WASHINGTON BOULEVARD.	SAN GABRIEL RIVER FLOWS CONTROLLED BY COGSWELL DAM, SAN GABRIEL DAM, MORRIS DAM AND SANTA FE DAM. WALNUT CREEK FLOWS PARTIALLY CONTROLLED, SAN JOSE CREEK FLOWS UNCONTROLLED.	62.2 ACRES HELD UNDER PERPETUAL EASEMENT, 55.1 ACRES OWNED IN FEE, ALL AREA BEING ACQUIRED IN FEE. SPILLWAY CAPACITY = 400 CFS.
RIO HONDO COASTAL (EASTSIDE)	SHALLOW BASINS	1937-38	423	370	40,000	750	1,600	350	EASTERLY SIDE OF RIO HONDO SOUTHERLY FROM U.P.R.R. (SOUTH OF WHITTIER BOULEVARD) TO SLAUSON AVENUE.	SAN GABRIEL RIVER CONTROLLED FLOWS FROM COGSWELL DAM, SAN GABRIEL DAM, MORRIS DAM, SANTA FE DAM, SAWPIT DAM, SANTA ANITA DAM, EATON DAM AND WHITTIER NARROWS DAM; UNCONTROLLED FLOWS FROM RUBIO WASH, ALHAMBRA WASH AND RIO HONDO BETWEEN THE DAMS AND SPREADING GROUNDS.	IN COOPERATION WITH THE CORPS OF ENGINEERS, THE DISTRICT OPERATES A 100 ACRE-FOOT POOL AT WHITTIER NARROWS DAM FOR RETENTION OF FLOOD WATER WHICH CAN BE RELEASED TO RIO HONDO SPREADING GROUNDS.
RIO HONDO STREAMBED DEVELOPMENT (WEST SIDE)	SHALLOW BASINS	1955-56	151	89	40,000	150	275	135	WEST SIDE OF RIO HONDO CHANNEL FROM ABOVE WHITTIER BOULEVARD SOUTH TO FOSTER BRIDGE BOULEVARD.	CONTROLLED FLOWS SAME AS RIO HONDO COASTAL (EAST SIDE), ALSO UNCONTROLLED STREET DRAINS, FLOWS FROM THE EAST SIDE GROUNDS AND RISING WATER.	THIS GROUND COMPENSATES FOR THE LOSS OF HISTORICAL, NATURAL PERCOLATION INCLUDING RISING WATER INFILTRATED IN THE AREA NOW PAVED.
DOMINGUEZ GAP	DEEP BASINS	1957-58	54	-	-	20	133	4	CONTINUES 1.0 MILE SOUTH FROM DEL AMO BOULEVARD, AND BORDERS THE EASTERN AND WESTERN SIDES OF THE LOS ANGELES RIVER.	UNCONTROLLED FLOWS FROM STORM DRAINS AND CONTROLLED FLOW FROM LOS ANGELES RIVER LOW FLOW CHANNEL	EAST SIDE BASIN IS USED FOR FLOOD REGULATION WITH SOME CONSERVATION STORAGE. PUMPING STATION IS UNDER CONSTRUCTION IN THE EAST SIDE, INTAKE OF 20 CFS IS THE FIGURE FOR LOW FLOW DIVERSION FROM THE LOS ANGELES RIVER. WEST SIDE BASIN IS BEING EXCAVATED.
TOTALS			1480					1291			

*DESIGN CAPACITY OF MAIN CONCRETE CHANNEL WHEN PERTINENT TO SPREADING GROUNDS OPERATIONS.

TABLE XVIII CONTINUED

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
WATER CONSERVATION DIVISION
SUMMARY OF DATA ON SPREADING GROUNDS
OWNED AND OPERATED BY THE DISTRICT
SEPTEMBER 1959

RECORD OF WATER SPREAD
ACRE FEET

SEASON	LOPEZ	PACOIMA	HANSEN	BRANFORD	ARROYO SECO	EATON S.G.	SANTA ANITA	SAWPIT	BIG DALTON CANYON	EATON S.B.	BUENA VISTA	SANTA FE	IRWINDALE	BEN LOMOND	SAN GABRIEL COASTAL			RIO HONDO COASTAL (EAST SIDE)			RIO HONDO STREAMBED DEV. (WEST SIDE)			DOMINGUEZ GAP	TOTAL	SEASON
															LOCAL	IMP	TOTAL	LOCAL	IMP.	TOTAL	LOCAL	IMP.	TOTAL			
1930-31									10																10	1930-31
32									394																394	32
33		26							0																26	33
34		230							100																330	34
35		1,200							131																1,331	35
36		2,000							0																2,000	36
37		4,680							866																5,546	37
38		3,844							397									3,660		3,660					7,901	38
39		363							49						2,603		2,603	0		0					3,015	39
40		907							0						0		0	1,702		1,702					2,609	40
41		9,775							1,528						4,684		4,684	9,830		9,830					25,817	41
42		37							0						0		0	2,170		2,170					2,207	42
43		3,744							1,191						0		0	0		0					4,935	43
44		7,223							543						0		0	0		0					7,766	44
45		1,467	7,651				387		64						0		0	0		0					9,519	45
46		514	2,268				0		47						0		0	9,548		9,548					12,377	46
47		3,763	8,725				141	89	174						384		384	4,842		4,842					18,118	47
48		0	0			1	0	0	0						0		0	3,760		3,760					3,761	48
49		0	0		108	0	0	8	88						0		0	0		0					204	49
50		245	0		283	61	0	0	66						0		0	0		0					655	50
51		0	0		19	0	0	19	0						0		0	0		0					38	51
52		6,121	16,780		986	1,196	448	517	856						5,412		5,412	400		400					32,716	52
53		1,651	1,271		216	0	58	56	3						4,023		4,023	3,368		3,368					10,646	53
54		1,891	1,014		455	190	265	0	370			3,500			0	3,573	3,573	4,621	2,075	6,696					17,954	54
55		205	0		197	0	145	0	0		10	0			331	2,286	2,617	0	4,119						7,293	55
56	0	566	2	0	301	181	161	180	180	0	227	0			0	6,579	6,579	1,924	5,767	4,119	0	2,586	2,586		18,654	56
57	28	475	0	38	397	0	2	38	16	260	817	0			137	382	519	7,163	9,533	16,696	323	6,747	7,070		26,356	57
58	1,030	10,922	18,407	20	2,088	861	1,577	978	2,380	1,236	2,730	12,752			1,331	6,169	7,500	25,044	38,013	63,057	5,363	21,758	27,121	107	152,766	58
59	0	352	1,023	5	352	130	185	199	145	441	1,087	181	242	1,431	2,074	7,500	9,574	4,669	11,193	15,862	795	10,358	11,153	87	42,449	59
TOTALS	1,058	62,201	57,141	63	5,402	2,620	3,319	2,084	9,598	1,937	4,871	16,439	242	1,431	20,979	26,489	47,468	82,701	70,700	153,401	6,481	41,449	47,930	194	417,393	

TABLE XIX

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
WATER CONSERVATION DIVISION
SUMMARY OF DATA ON SPREADING GROUNDS
NOT OWNED BY THE DISTRICT
SEPTEMBER 1959

GROUNDS	TYPE	SEASON FIRST USED	AREA IN ACRES		CAPACITIES				LOCATION	SOURCE OF WATER	REMARKS
			GROSS	WETTED	CHANNEL* CFS	INTAKE CFS	STORAGE A.F.	PERC. CFS			
GROUNDS IN WHICH DISTRICT DOES CONSTRUCTION, MAINTENANCE AND SOME OPERATIONS:											
SIERRA MADRE	SHALLOW BASINS	ABOUT 1933	22	9	-	25	47	18	CITY OF SIERRA MADRE, SOUTH SIDE OF GRANDVIEW AVENUE, ONE HALF MILE WEST OF SANTA ANITA AVENUE.	LITTLE SANTA ANITA CREEK AND STREET RUNOFF ONLY PRIOR TO 1951-52. STARTING IN 1951-52 ALSO CONTROLLED FLOWS FROM SANTA ANITA DAM.	NO RECORDS OF WATER SPREAD PRIOR TO 1951-52. GROUNDS REBUILT IN 1951. ULTIMATE CAPACITY ESTIMATED 25 CFS. THREE BASINS ADDED IN SUMMER OF 1959.
SAN GABRIEL SPREADING CORP. EAST SIDE	DITCHES AND CHECKS	ABOUT 1917	500	-	-	-	-	100	EASTERLY SIDE OF SAN GABRIEL RIVER, BELOW MOUTH OF CANYON, NORTH OF THE CITY OF AZUSA.	SAN GABRIEL RIVER, CONTROLLED RELEASES FROM COGSWELL DAM, SAN GABRIEL DAM AND MORRIS DAM.	DISTRICT DELIVERS WATER, DOES HYDROGRAPHIC WORK AND SOME CONSTRUCTION. SOME WATER ALSO DIVERTED THROUGH AZUSA AND COVINA CANALS FOR PERCOLATION IN LOWER SAN DIMAS AND DALTON WASHES. NO RECORDS KEPT BEFORE 1919-20.
WEST SIDE (INCLUDING FISH CREEK SPREADING GROUNDS)	SHALLOW BASINS	ABOUT 1917	6±	4	-	-	-	7	WESTERLY SIDE OF SAN GABRIEL RIVER BELOW MOUTH OF FISH CANYON AND NORTH OF THE CITY OF AZUSA.	SAN GABRIEL RIVER, CONTROLLED RELEASES FROM COGSWELL DAM, SAN GABRIEL DAM, AND MORRIS DAM, VIA DUARTE DITCH.	DISTRICT DELIVERS WATER, DOES HYDROGRAPHIC WORK AND SOME CONSTRUCTION. SOME WATER ALSO PERCOLATES IN SAN GABRIEL WASH IN VICINITY OF SPREADING GROUNDS AND IN BRUSH LAND WHERE IRRIGATION WASTE LINES DISCHARGE. NO SEPARATE RECORDS KEPT PRIOR TO 1926-27.
LITTLE DALTON	DITCHES AND CHECKS	1931-32	16	-	-	20	-	10	LITTLE DALTON WASH, INTAKE ONE HALF MILE ABOVE SIERRA MADRE AVENUE WESTERLY OF GLENDORA MOUNTAIN ROAD.	LITTLE DALTON CREEK, UNCONTROLLED FLOW. (LITTLE DALTON DEBRIS DAM NEARING COMPLETION, WILL PROVIDE CONTROLLED FLOW).	HELD UNDER EASEMENT BY THE DISTRICT, OPERATED BY GLENDORA IRRIGATING CO. INTAKE CAPACITY GIVEN IS FOR FREE-FALL WEIR.
THOMPSON CREEK	DITCHES CHECKS AND DEEP BASIN	ABOUT 1928	56	40	-	10	-	40	SOUTHERLY FROM AND ADJACENT TO THOMPSON CREEK DAM, EAST SIDE OF CREEK.	COBAL, WILLIAMS, PALMER AND PADUA CREEKS. ALSO THOMPSON CREEK, WHEN RESERVOIR ABOVE ELEV. 1625.	HELD UNDER EASEMENT BY THE DISTRICT, OPERATED BY POMONA VALLEY PROTECTIVE ASSOCIATION IN ADDITION TO THE 56.4 ACRES SOME AREA WITHIN THOMPSON CREEK RESERVOIR IS USED TO SPREAD STORM FLOWS. WATER SPREAD IN AREA SINCE ABOUT 1918.
SAN ANTONIO	DITCHES CHECKS AND SHALLOW BASINS	1921-22	745	574	8,000	500	-	300	BOTH SIDES OF SAN ANTONIO CREEK, FROM TWO AND ONE HALF MILES ABOVE BASE LINE SOUTHWESTERLY TO BASE LINE.	CONTROLLED RELEASES FROM THE RECENTLY COMPLETED SAN ANTONIO FLOOD CONTROL DAM.	HELD UNDER EASEMENT BY THE DISTRICT, OPERATED BY POMONA VALLEY PROTECTIVE ASSOCIATION, WEST SIDE 465 ACRES, EAST SIDE 280 ACRES, CHANNEL 26 ACRES. IN ADDITION TO THE 745 ACRES THERE ARE APPROXIMATELY 60 ACRES NOT DEVELOPED. SOME STORAGE CAPACITY IN EAST SIDE BASINS. WATER SPREAD IN VICINITY ON AND OFF AS EARLY AS ABOUT 1896. SAN ANTONIO CHANNEL CONSTRUCTION COMPLETED LATE IN 1957.
TOTALS			1450		-	-	-	475			
GROUNDS CONTROLLED BY OTHERS, THE DISTRICT COOPERATING:											
CITY OF POMONA	DITCHES CHECKS AND DEEP BASIN	(SEE REMARKS)	10	8	-	-	-	-	NORTH OF CLAREMONT, ONE HALF MILE NORTH OF FOOTHILL BOULEVARD AND 1/8 MILE WEST OF MILLS AVENUE.	SAN ANTONIO CREEK WATER DELIVERED THROUGH LOOP MERSERVE CANYON WATER CO'S. PIPE LINE, ALSO SOME LOCAL RUNOFF.	WATER SPREAD IN VICINITY ON AND OFF SINCE ABOUT 1897. GROUND ACQUIRED BY CITY OF POMONA, OCTOBER 1926. NO RECORD OF WATER SPREAD PRIOR TO 1949-50. DEEP BASIN COMPLETED IN 1957.
L.A. WATER DEPARTMENT TUJUNGA WASH	SHALLOW BASINS	1931-32	81	65	-	-	-	-	SAN FERNANDO VALLEY, EAST SIDE OF TUJUNGA WASH AT ROSCOE BOULEVARD.	L.A. CITY'S OWENS VALLEY AQUEDUCT, DIVERTED THROUGH HANSEN DAM VIA TUJUNGA CHANNEL.	PRIOR TO 1938 FLOOD, USED 80 ACRES NET. TUJUNGA CHANNEL ON WESTERLY SIDE OF GROUNDS PAVED IN 1950. DIVERSION OF TUJUNGA FLOWS TO GROUNDS PROPOSED. AT PRESENT A LAND EXCHANGE IS IN PROGRESS WITH HIGHWAY DEPARTMENT.
L.A. RIVER	SHALLOW	1938-39	50±	40	57,000	-	-	-	SAN FERNANDO VALLEY, SOUTH OF L.A. RIVER, ABOVE MARIPOSA STREET.	L.A. RIVER, PARTIALLY CONTROLLED BY VARIOUS DAMS, RELEASE OF OWENS VALLEY WATER FROM CHATSWORTH RESERVOIR.	CRYSTAL SPRINGS INFILTRATION AREA. NOT REGULAR SPREADING GROUNDS. WATER PUMPED OUT FROM COLLECTING GALLERIES UNDER AREA. IN OCTOBER 1958 A 130-FOOT COLLAPSIBLE RUBBER DAM WAS INSTALLED ACROSS L.A. RIVER.
TOTALS			141	-	-	-	-	-			

*DESIGN CAPACITY OF MAIN CONCRETE CHANNEL WHEN PERTINENT TO SPREADING GROUNDS OPERATION

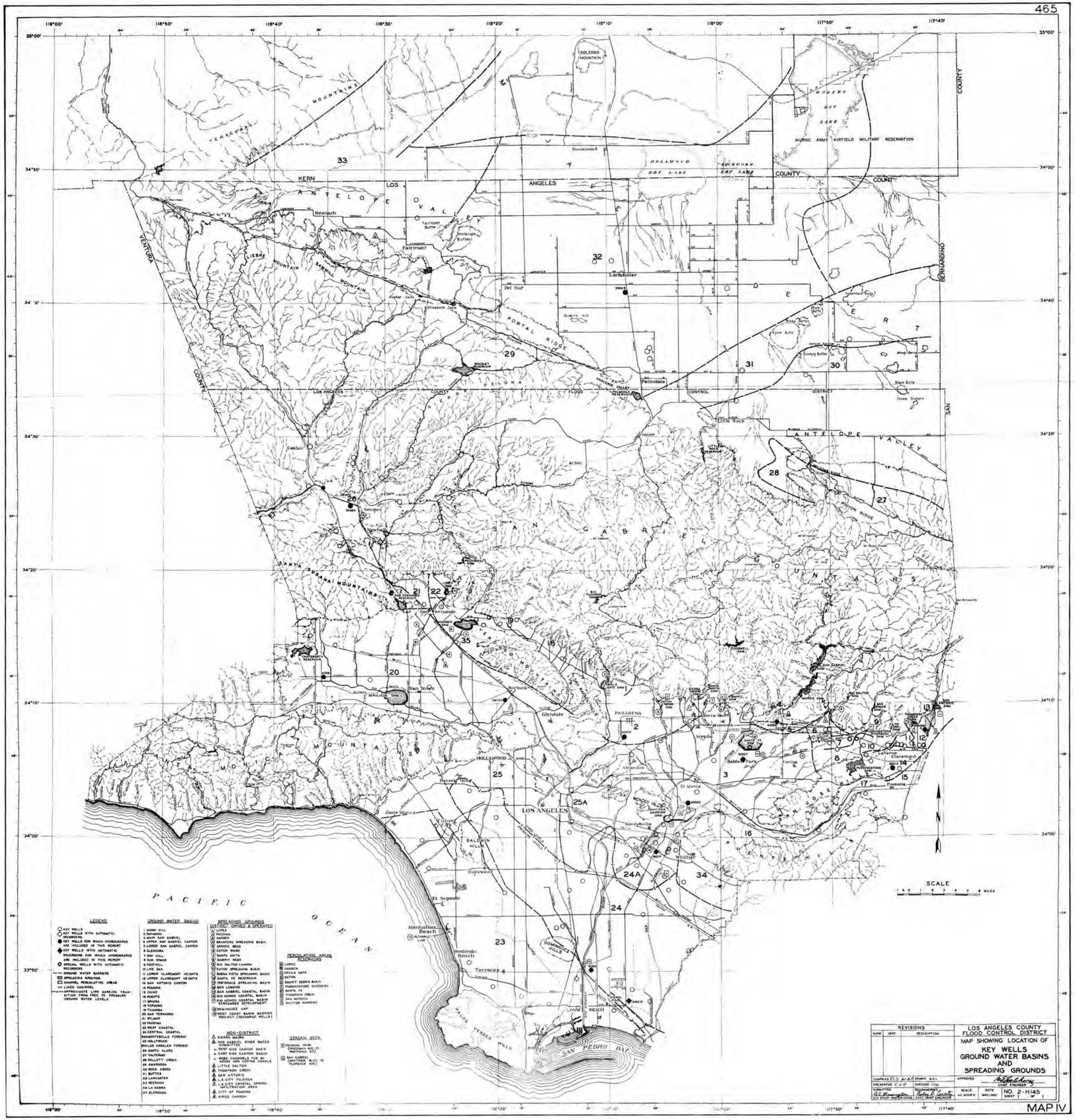
TABLE XIX CONTINUED

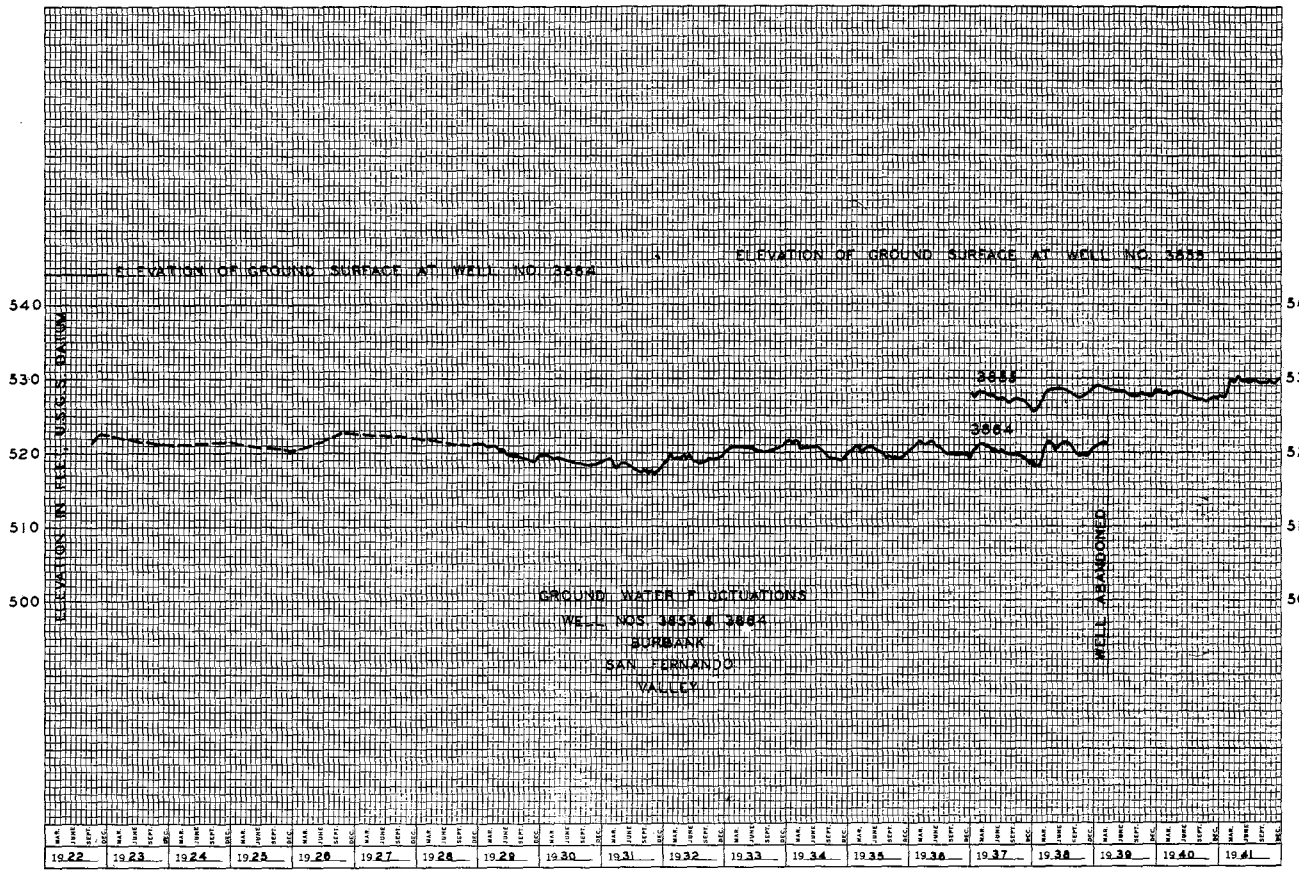
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
WATER CONSERVATION DIVISION
SUMMARY OF DATA ON SPREADING GROUNDS
NOT OWNED BY THE DISTRICT
SEPTEMBER 1959

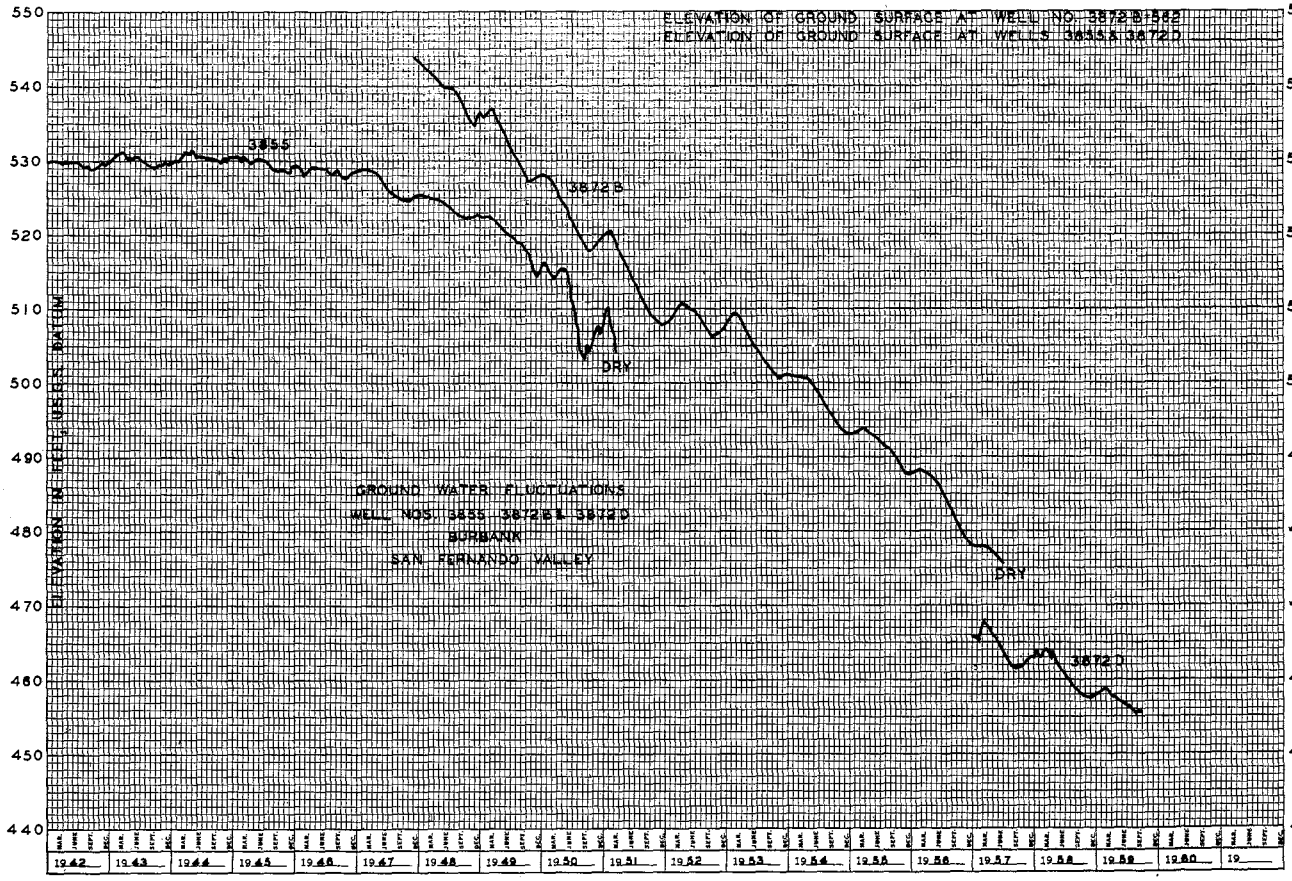
RECORD OF WATER SPREAD
ACRE FEET

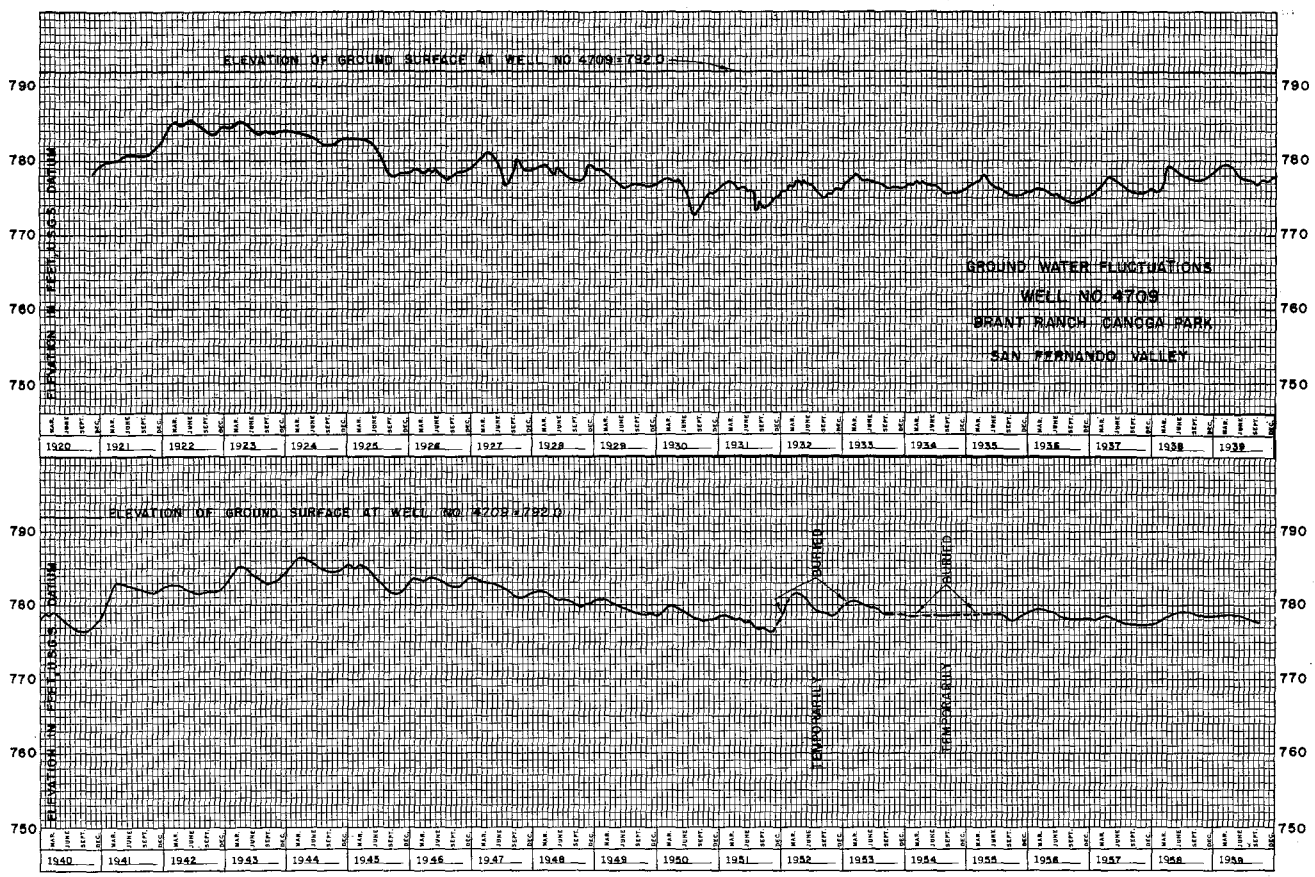
SEASON	GROUNDS IN WHICH DISTRICT DOES CONSTRUCTION MAINTENANCE AND SOME OPERATIONS							GROUNDS CONTROLLED BY OTHERS, THE DISTRICT COOPERATING			TOTAL	SEASON
	CITY SIERRA MADRE		S.G. SPRDG. CORP.		LITTLE DALTON (A)	THOMPSON CREEK (B)	SAN ANTONIO (B)	CITY OF POMONA	L.A. WATER DEPT.			
	SANTA ANITA WATER	LOCAL WATER	CANYON BASIN	MAIN BASIN					TUJUNGA WASH	L.A. RIVER		
1919-20			7,974								7,974	1919-20
21			10,082								10,082	21
22			6,132				(C)				6,132	22
23			12,408				(C)				12,408	23
24			5,069				(C)				5,069	24
25			2,878				(C)				2,878	25
26			8,443				(C)				8,443	26
27			18,560	2,707			8,090	(C)			29,357	27
28			17,537	3,270		(C)	(C)	(C)			20,807	28
29			15,615	3,501		(C)	(C)	(C)			19,116	29
30			16,607	5,898		(C)	(C)	(C)			22,505	30
31			8,360	5,827		(C)	201	(C)			14,388	31
32			25,328	12,106	160	(C)	7,801	(C)	20,338		65,733	32
33			13,386	6,620	0	(C)	111	(C)	26,873		46,990	33
34		(C)	12,401	4,506	0	(C)	630	(C)	20,795		38,332	34
35		(C)	34,315	17,692	0	(C)	6,834	(C)	24,775		83,616	35
36		(C)	17,997	6,975	0	(C)	1,652	(C)	19,310		45,934	36
37		(C)	33,814	20,297	275	(C)	22,552	(C)	8,736		85,674	37
38		(C)	31,627	13,134	287	(C)	15,000	(C)	5,732		65,780	38
39		(C)	17,815	6,194	12	(C)	1,433	(C)	12,258	(D)	37,712	39
40		(C)	19,304	8,544	0	0	2,670	(C)	3,024	(D)	33,542	40
41		(C)	45,618	13,298	1,166	563	28,093	(C)	3,446	(D)	92,184	41
42		(C)	21,392	8,241	0	0	83	(C)	11,290	(D)	41,006	42
43		(C)	24,502	7,702	1,084	505	26,000	(C)	12,134	(D)	71,927	43
44		(C)	31,130	9,820	469	37	10,270	(C)	3,192	(D)	54,918	44
45		(C)	34,681	14,467	290	18	4,957	(C)	0	17,518	71,931	45
46		(C)	23,351	12,745	73	5	3,271	(C)	0	21,141	60,586	46
47		(C)	23,716	8,936	89	0	5,801	(C)	1,686	18,738	58,966	47
48		(C)	4,796	2,218	0	0	6	(C)	0	19,016	26,036	48
49		(C)	2,874	1,343	0	0	0	(C)	0	6,451	10,668	49
50		(C)	9,125	2,590	28	0	55	450±	762	7,691	20,701	50
51		(C)	1,378	622	0	0	3	0	2,355	4,917	9,275	51
52	1,547	384	27,847	8,361	563	163	10,467	952	7,269	1,524	59,077	52
53	257	5	15,765	5,705	9	0	1,011	357	0	7,424	30,533	53
54	470	113	18,021	4,960	161	0	3,150	916	0	6,648	34,439	54
55	288	50	20,328	6,096	0	0	0	838	0	10,867	38,467	55
56	349	80	19,135	8,406	30	0	927	660	0	6,563	36,150	56
57	294	36	16,225	6,199	11	0	0	1,341	0	4,784	28,890	57
58	3,115	313	47,419	7,616	658	164	12,881	3,026	0	6,278	81,470	58
59	343	14	24,558	7,607 (E)	22	0	0	2,820	0	9,045	44,409	59
TOTALS	6,663	995	747,513	254,203	5387	1455	173,949	11,360	183,975	148,605	1,534,105	

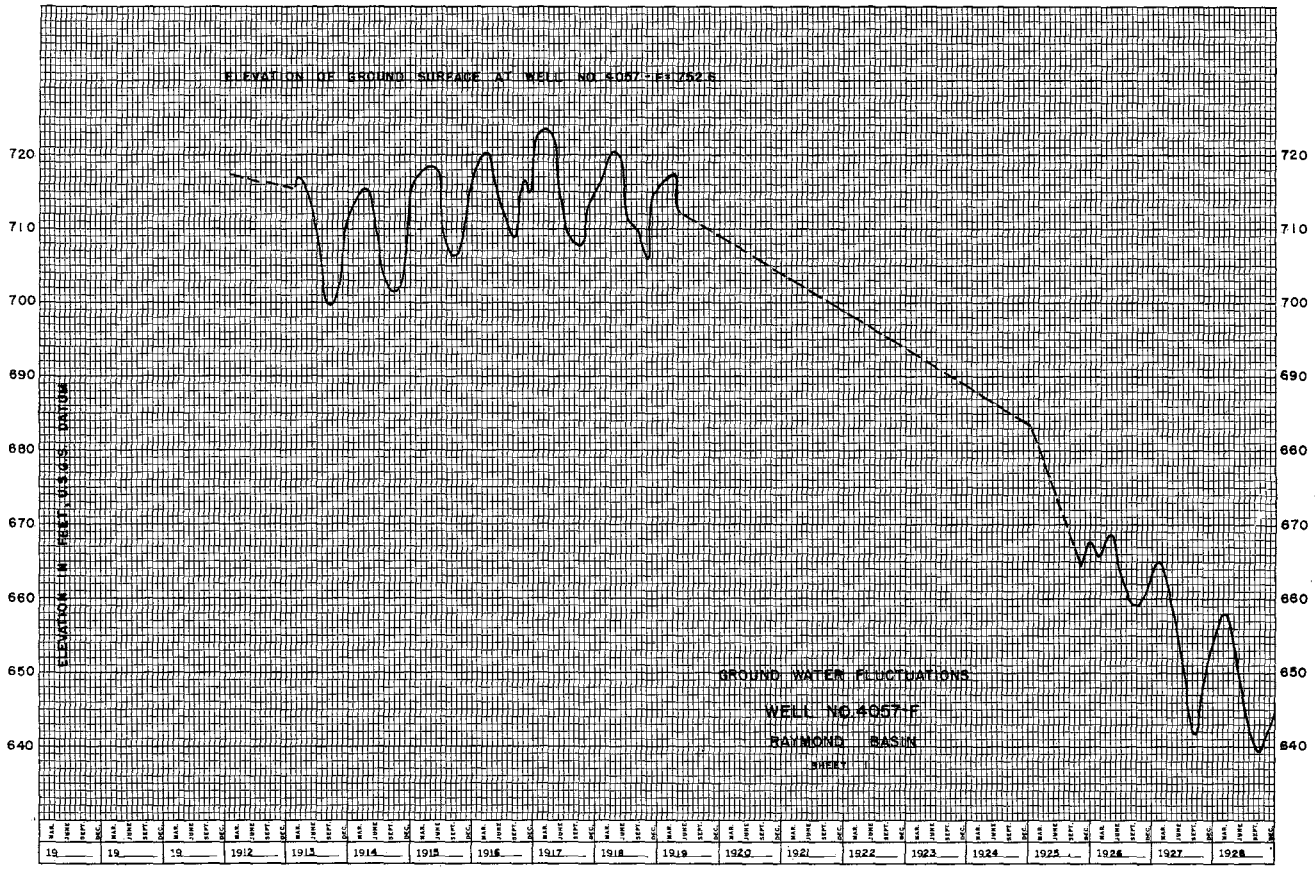
(A) OPERATED BY GLENDORA IRRIGATING CO.
(B) OPERATED BY POMONA VALLEY PROTECTIVE ASSOCIATION.
(C) WATER SPREAD. NO RECORDS KEPT.
(D) DAILY MEASUREMENTS MADE, TOTAL VOLUME NOT COMPUTED.
(E) INCLUDES WATER SPREAD AT BEN LOMOND SPREADING GROUNDS.

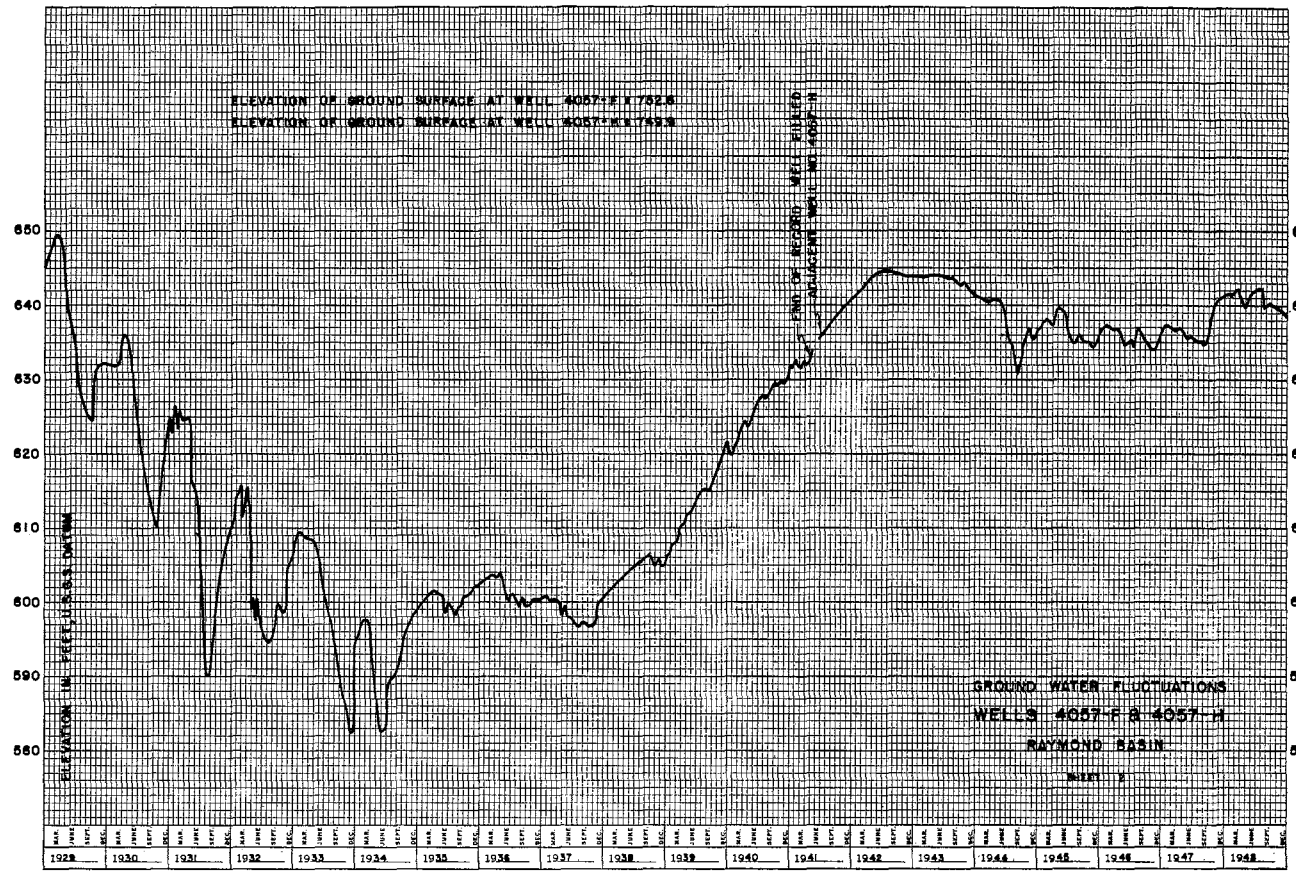

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
MAP SHOWING LOCATION OF
KEY WELLS
GROUND WATER BASINS
AND
SPREADING GROUNDS
SCALE
LEGEND
GROUND WATER BASINS
SPREADING GROUNDS
PERCOLATING AREAS
NON-DISTRICT
STREAM BEDS
REVISIONS
DATE
DESCRIPTION
APPROVED
CHIEF ENGINEER
SCALE AS SHOWN
DATE MAY, 1960
NO. 2-H145
SHEET 1 OF 1
MAP IV

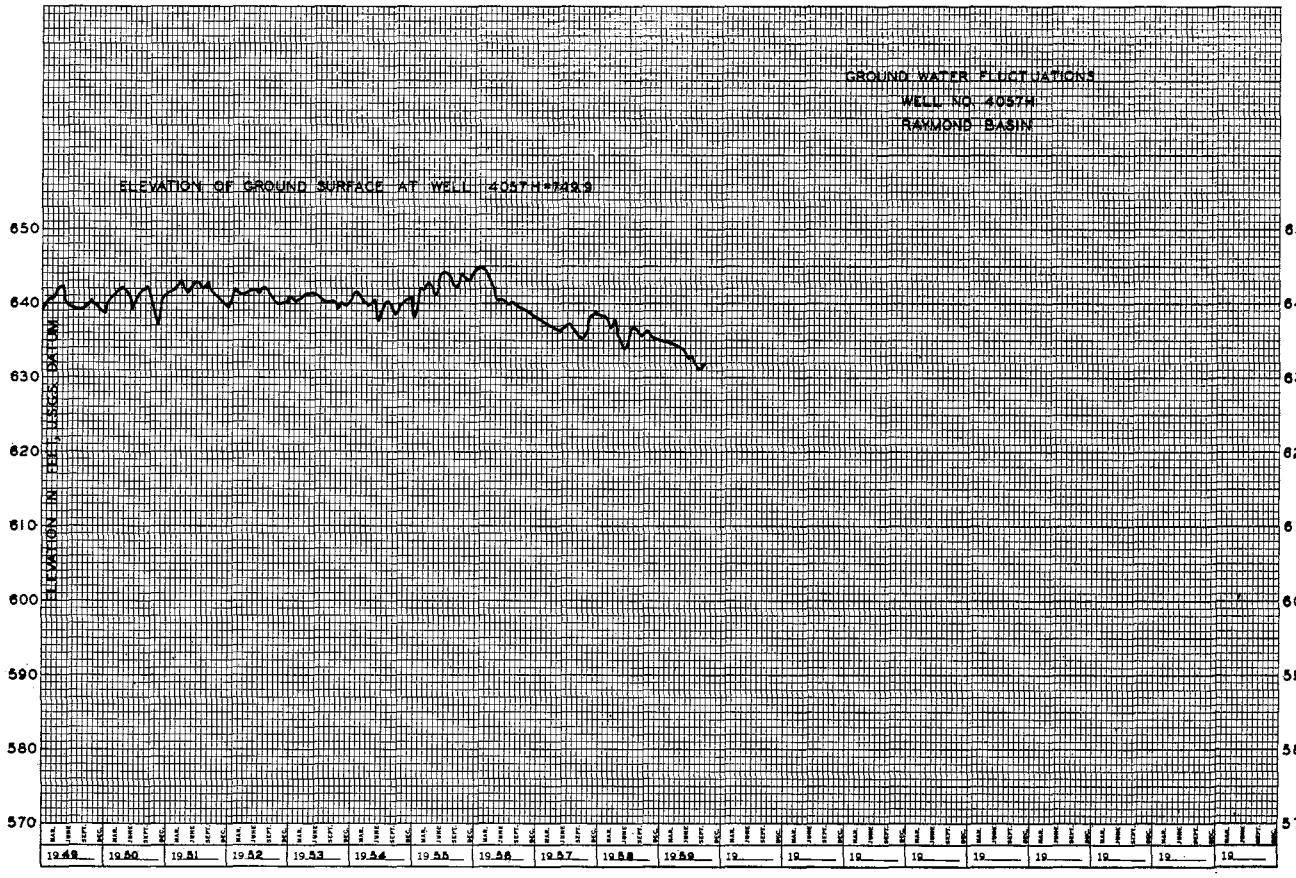

ELEVATION OF GROUND SURFACE AT WELL NO. 3855
ELEVATION OF GROUND SURFACE AT WELL NO. 3884
ELEVATION IN FEET, U.S.G.S. DATUM
540
530
520
510
500
3855
3884
WELL ABANDONED
GROUND WATER FLUCTUATIONS
WELL NOS. 3855 & 3884
BURBANK
SAN FERNANDO
VALLEY
19.22 19.23 19.24 19.25 19.26 19.27 19.28 19.29 19.30 19.31 19.32 19.33 19.34 19.35 19.36 19.37 19.38 19.39 19.40 19.41

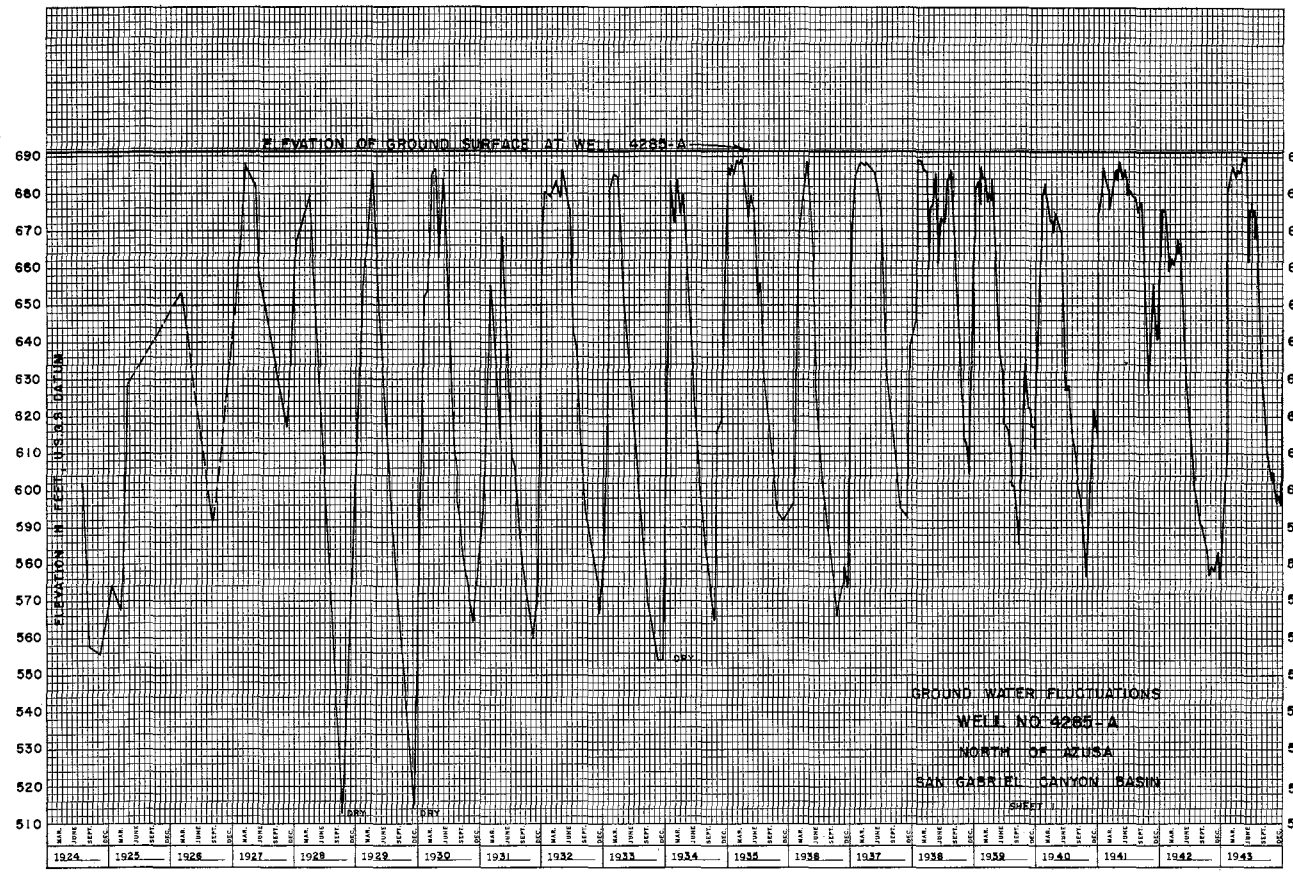

ELEVATION OF GROUND SURFACE AT WELL NO. 3872B1&2
ELEVATION OF GROUND SURFACE AT WELLS 3855 & 3872D
ELEVATION IN FEET, U.S.G.S. DATUM
550
540
530
520
510
500
490
480
470
460
450
440
3855
3872B
DRY
DRY
3872D
GROUND WATER FLUCTUATIONS
WELL NOS. 3855 3872B1& 3872D
BURBANK
SAN FERNANDO VALLEY
19.42 19.43 19.44 19.45 19.46 19.47 19.48 19.49 19.50 19.51 19.52 19.53 19.54 19.55 19.56 19.57 19.58 19.59 19.60 19

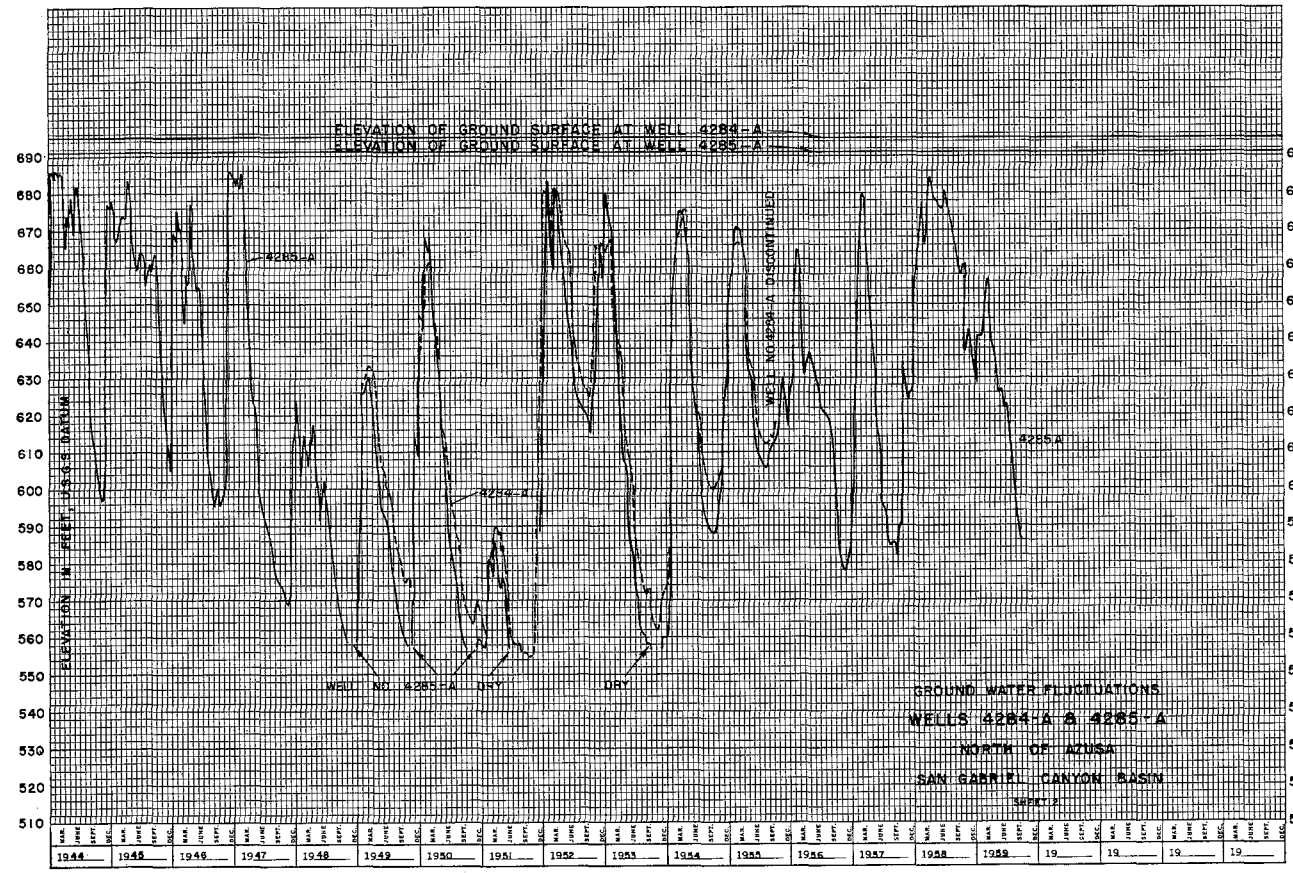

ELEVATION OF GROUND SURFACE AT WELL NO 4709 = 792.0
ELEVATION IN FEET U.S.G.S. DATUM
GROUND WATER FLUCTUATIONS
WELL NO. 4709
BRANT RANCH, CANOGA PARK
SAN FERNANDO VALLEY
ELEVATION OF GROUND SURFACE AT WELL NO. 4709 = 792.0
ELEVATION IN FEET U.S.G.S. DATUM
BURIED
TEMPORARILY
PERMANENTLY
BURIED

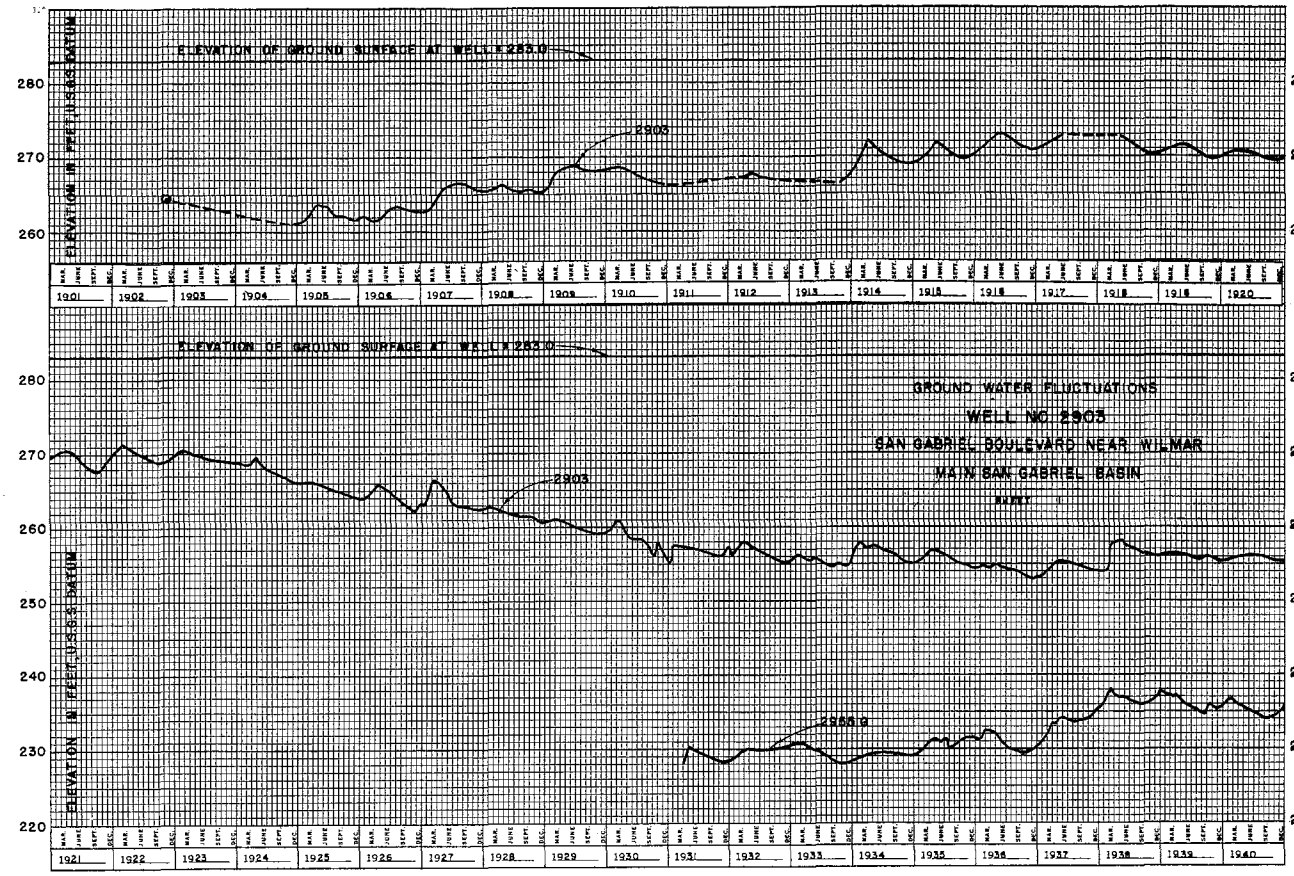

ELEVATION OF GROUND SURFACE AT WELL NO 4057-F = 752.6
ELEVATION IN FEET U.S.G.S. DATUM
GROUND WATER FLUCTUATIONS
WELL NO. 4057-F
RAYMOND BASIN

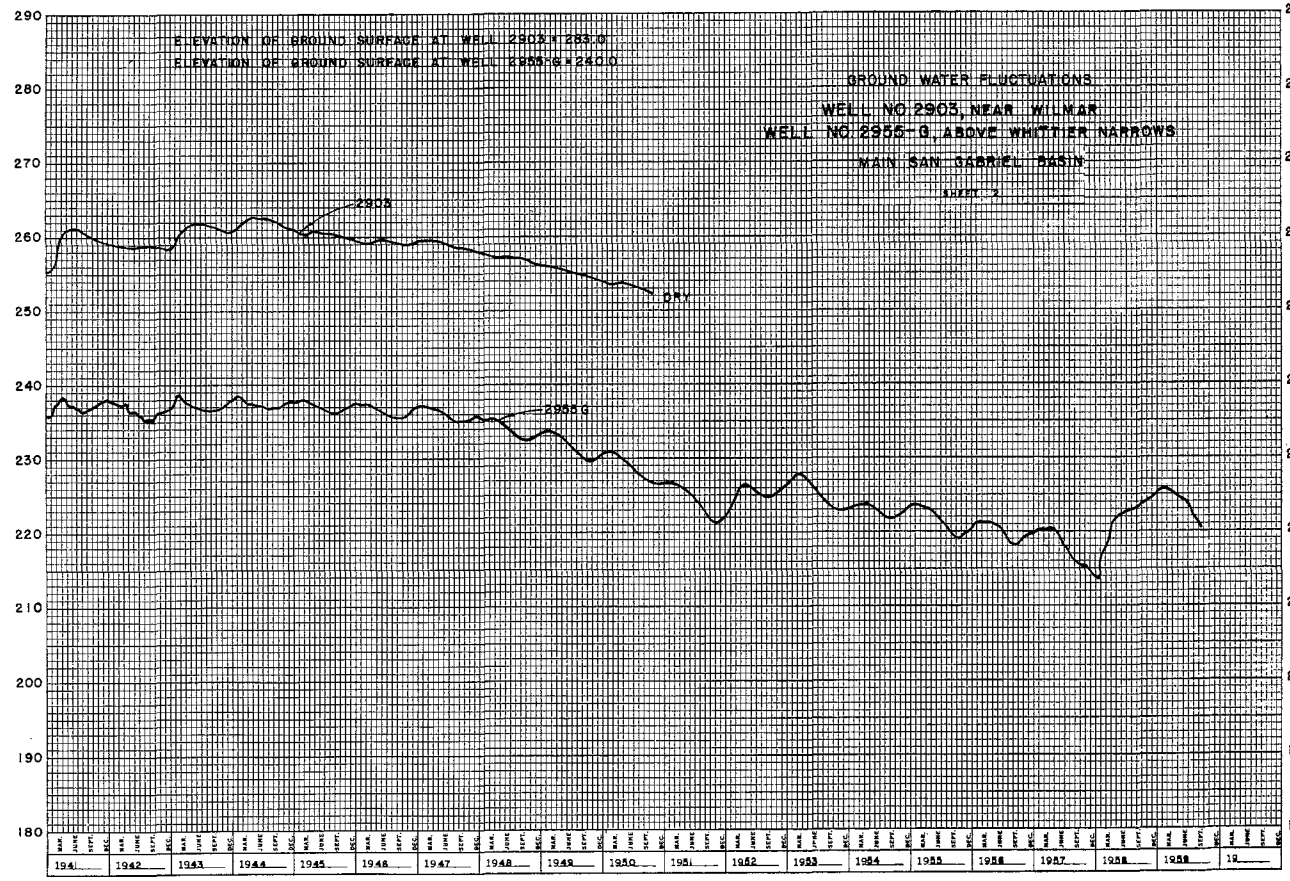

ELEVATION OF GROUND SURFACE AT WELL 4057-F = 752.6
ELEVATION OF GROUND SURFACE AT WELL 4057-H = 749.9
END OF RECORD WELL FILLED
ADJACENT WELL NO. 4057-H
ELEVATION IN FEET, U.S.G.S. DATUM
GROUND WATER FLUCTUATIONS
WELLS 4057-F & 4057-H
RAYMOND BASIN
650
640
630
620
610
600
590
580
1929
1930
1931
1932
1933
1934
1935
1936
1937
1938
1939
1940
1941
1942
1943
1944
1945
1946
1947
1948

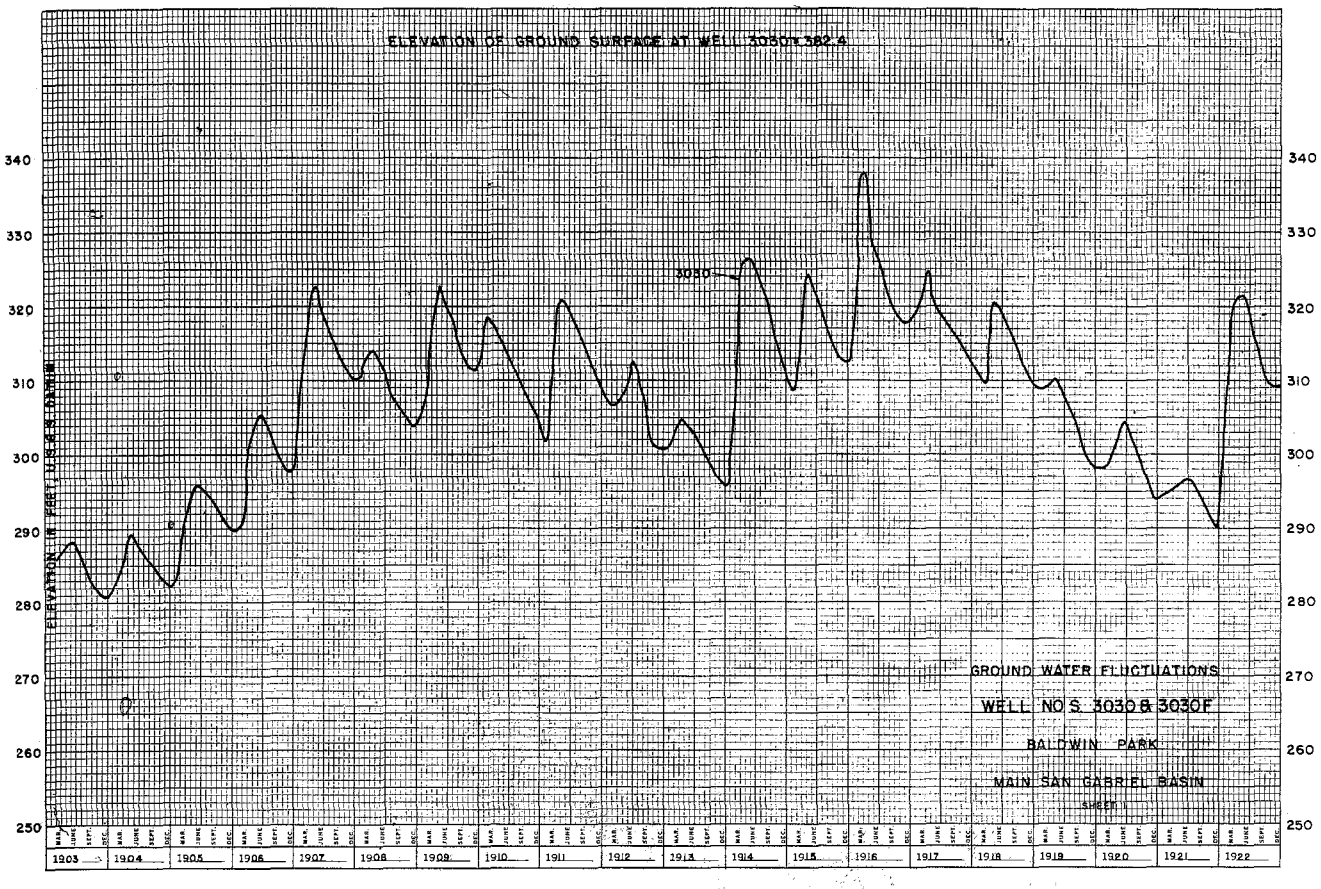

GROUND WATER FLUCTUATIONS
WELL NO. 4057H
RAYMOND BASIN
ELEVATION OF GROUND SURFACE AT WELL 4057H=749.9
ELEVATION IN FEET, U.S.G.S. DATUM
650
640
630
620
610
600
590
580
570
1949
1950
1951
1952
1953
1954
1955
1956
1957
1958
1959

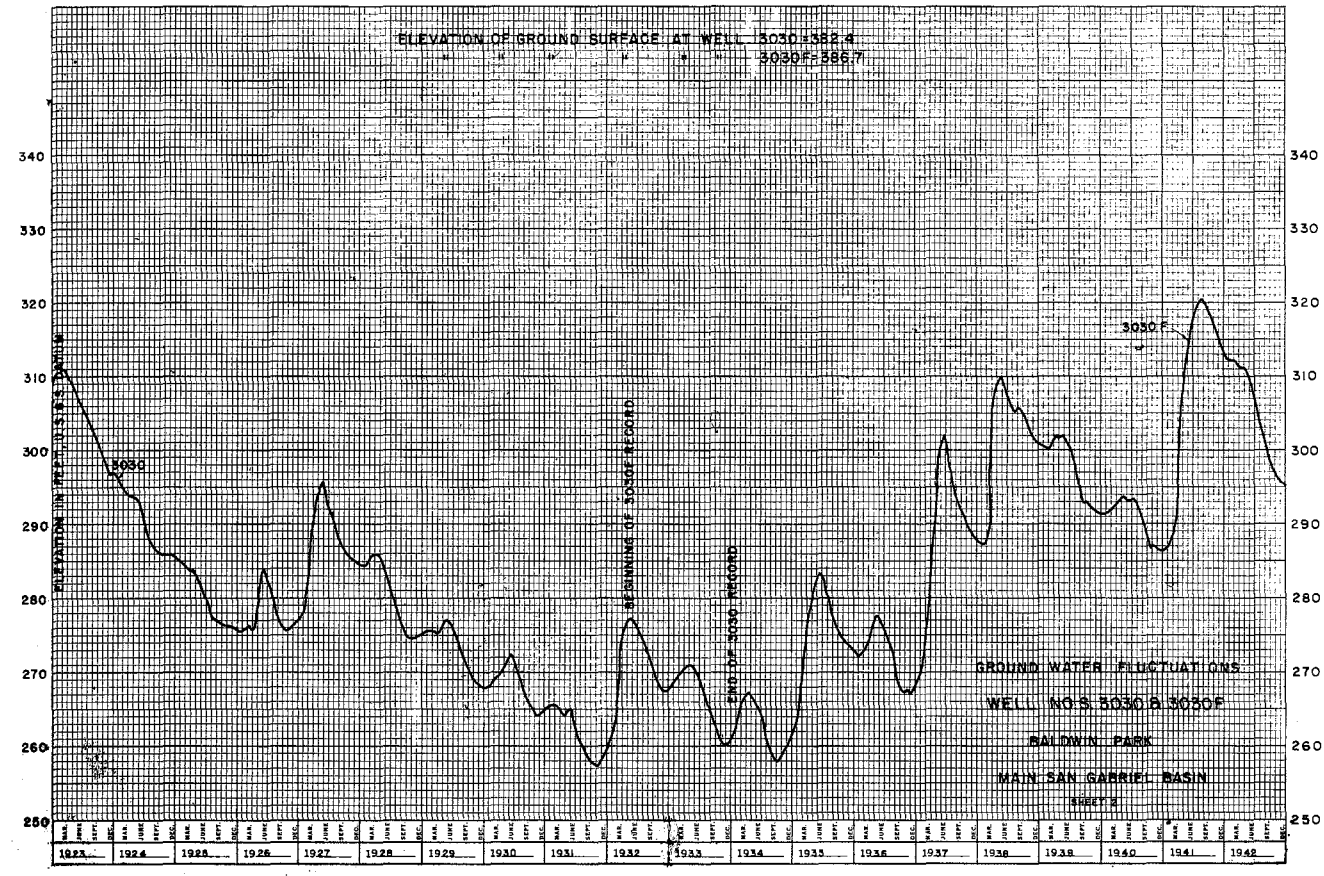

ELEVATION OF GROUND SURFACE AT WELL 4285-A
ELEVATION IN FEET, U.S.G.S. DATUM
690
680
670
660
650
640
630
620
610
600
590
580
570
560
550
540
530
520
510
DRY
DRY
DRY
GROUND WATER FLUCTUATIONS
WELL NO 4285-A
NORTH OF AZUSA
SAN GABRIEL CANYON BASIN
SHEET 1
MAR. JUNE SEPT. DEC.
1924 1925 1926 1927 1928 1929 1930 1931 1932 1933 1934 1935 1936 1937 1938 1939 1940 1941 1942 1943

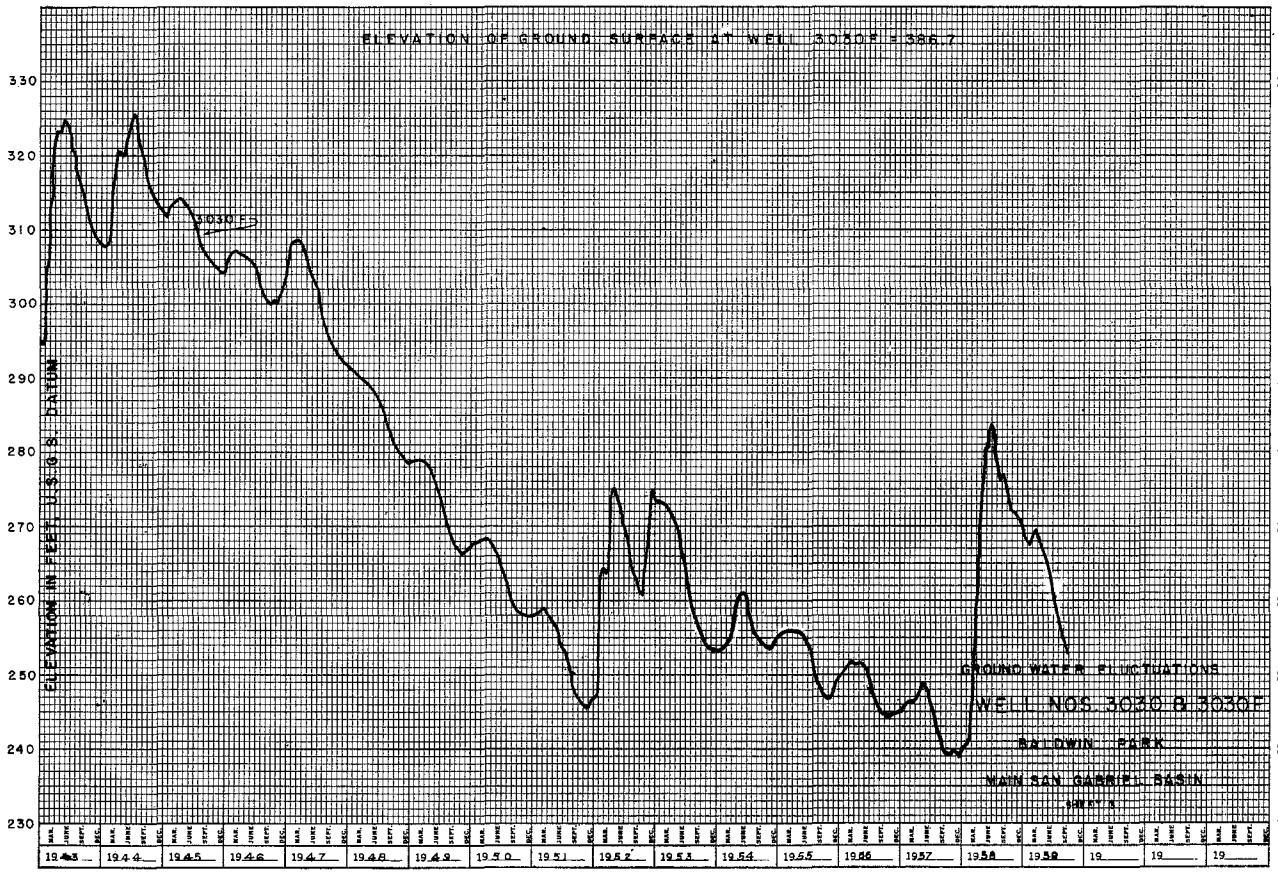

ELEVATION OF GROUND SURFACE AT WELL 4284-A
ELEVATION OF GROUND SURFACE AT WELL 4285-A
ELEVATION IN FEET, U.S.G.S. DATUM
690
680
670
660
650
640
630
620
610
600
590
580
570
560
550
540
530
520
510
4285-A
4284-A
WELL NO. 4285-A DRY
DRY
WELL NO. 4284-A DISCONTINUED
4285-A
GROUND WATER FLUCTUATIONS
WELLS 4284-A & 4285-A
NORTH OF AZUSA
SAN GABRIEL CANYON BASIN
SHEET 2
MAR. JUNE SEPT. DEC.
1944 1945 1946 1947 1948 1949 1950 1951 1952 1953 1954 1955 1956 1957 1958 1959 19 19 19 19

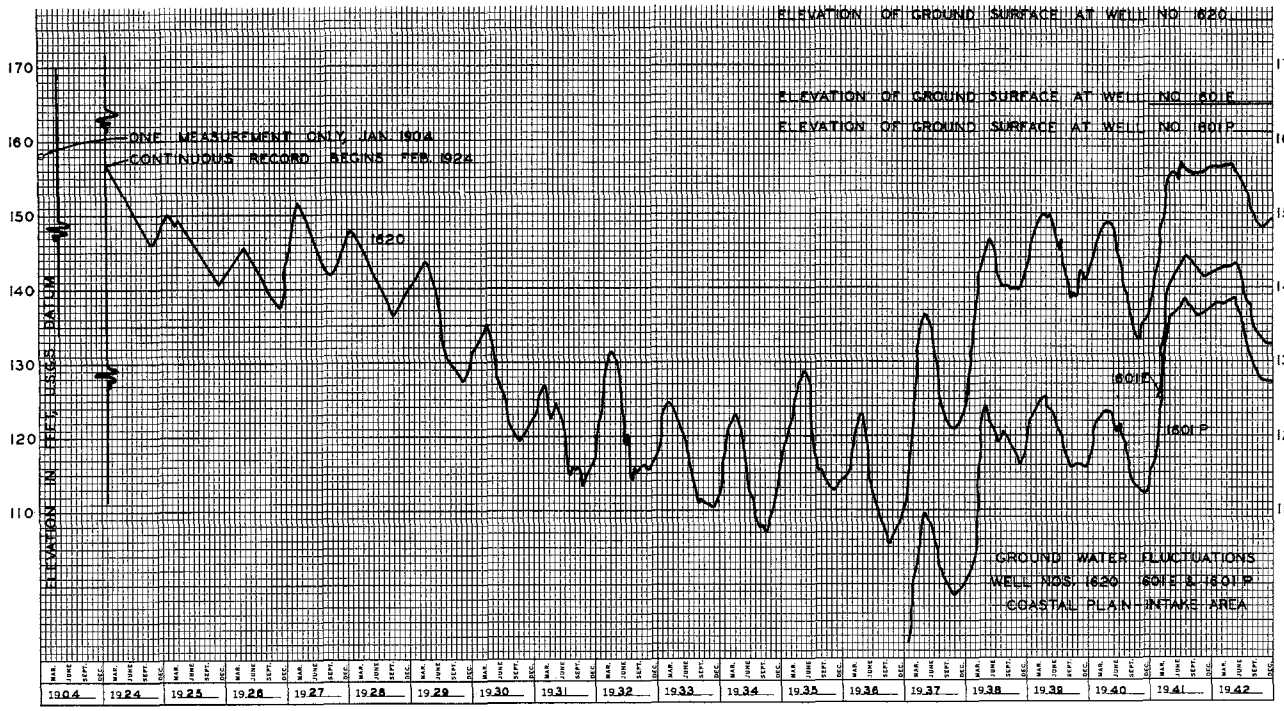

ELEVATION OF GROUND SURFACE AT WELL X 283.0
2903
ELEVATION IN FEET, U.S.G.S. DATUM
GROUND WATER FLUCTUATIONS
WELL NO. 2903
SAN GABRIEL BOULEVARD NEAR WILMAR
MAIN SAN GABRIEL BASIN
SHEET 1
2955-G
1901 1902 1903 1904 1905 1906 1907 1908 1909 1910 1911 1912 1913 1914 1915 1916 1917 1918 1919 1920
1921 1922 1923 1924 1925 1926 1927 1928 1929 1930 1931 1932 1933 1934 1935 1936 1937 1938 1939 1940

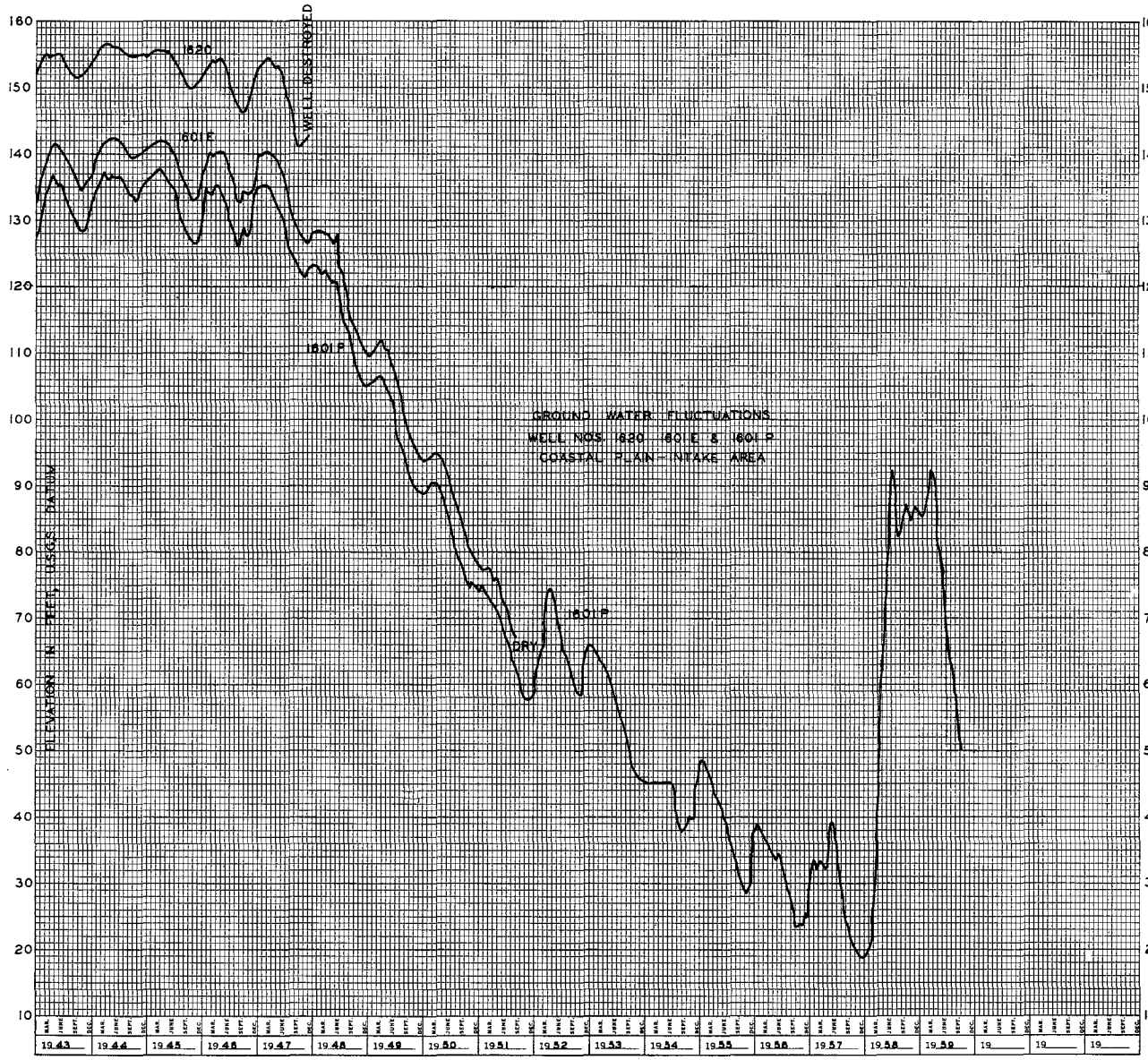

ELEVATION OF GROUND SURFACE AT WELL 2903 X 283.0
ELEVATION OF GROUND SURFACE AT WELL 2955-G X 240.0
GROUND WATER FLUCTUATIONS
WELL NO. 2903, NEAR WILMAR
WELL NO. 2955-G, ABOVE WHITTIER NARROWS
MAIN SAN GABRIEL BASIN
SHEET 2
2903
DRY
2955-G
1941 1942 1943 1944 1945 1946 1947 1948 1949 1950 1951 1952 1953 1954 1955 1956 1957 1958 1959 19

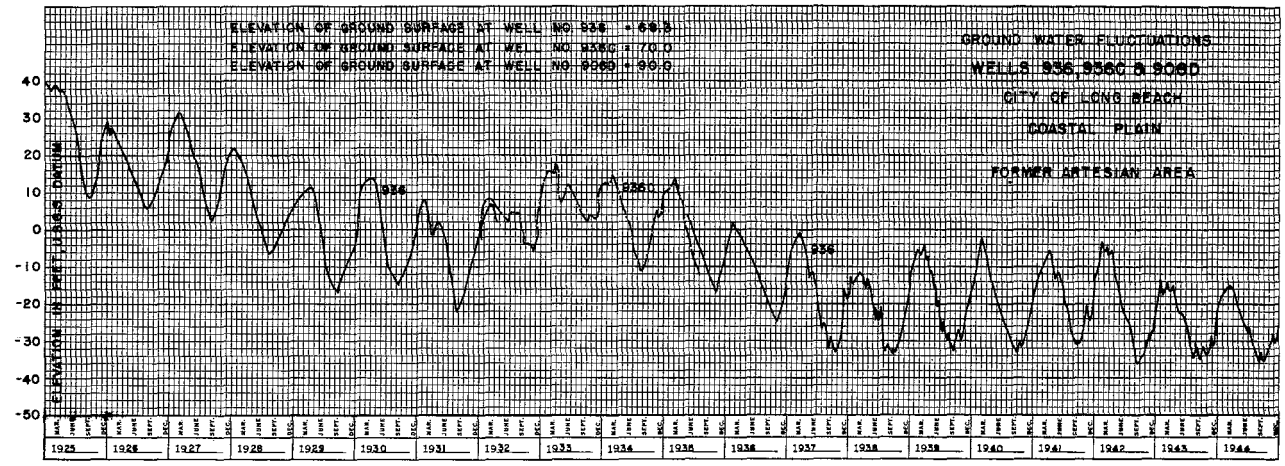

ELEVATION OF GROUND SURFACE AT WELL 3030 = 382.4
ELEVATION IN FEET U.S.C.& G. DATUM
3030
GROUND WATER FLUCTUATIONS
WELL NO S. 3030 & 3030F
BALDWIN PARK
MAIN SAN GABRIEL BASIN
SHEET 1
340
330
320
310
300
290
280
270
260
250
1903
1904
1905
1906
1907
1908
1909
1910
1911
1912
1913
1914
1915
1916
1917
1918
1919
1920
1921
1922

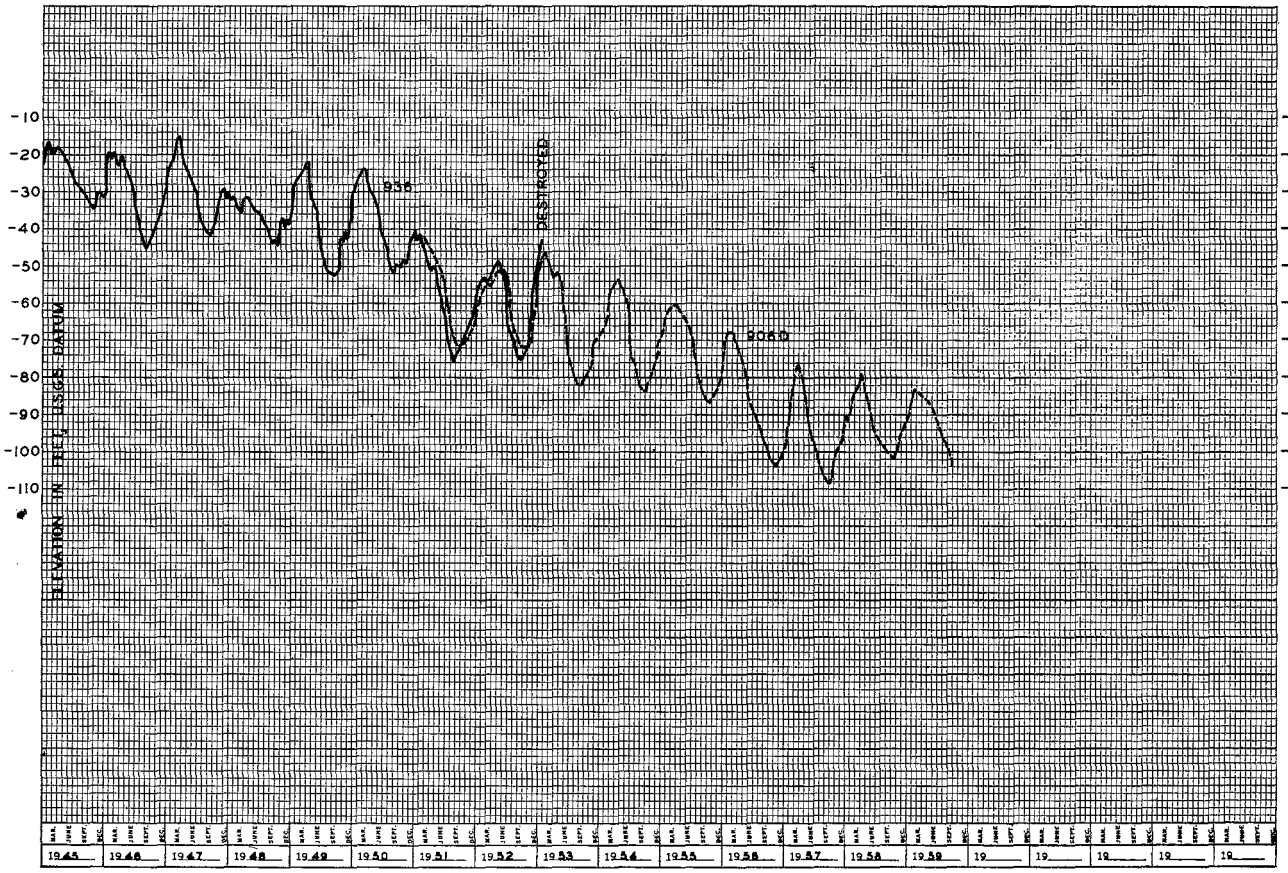

ELEVATION OF GROUND SURFACE AT WELL 3030 = 382.4
3030F = 386.7
ELEVATION IN FEET U.S.C.& G. DATUM
3030
3030F
BEGINNING OF 3030F RECORD
END OF 3030 RECORD
GROUND WATER FLUCTUATIONS
WELL NO S. 3030 & 3030F
BALDWIN PARK
MAIN SAN GABRIEL BASIN
SHEET 2
340
330
320
310
300
290
280
270
260
250
1923
1924
1925
1926
1927
1928
1929
1930
1931
1932
1933
1934
1935
1936
1937
1938
1939
1940
1941
1942

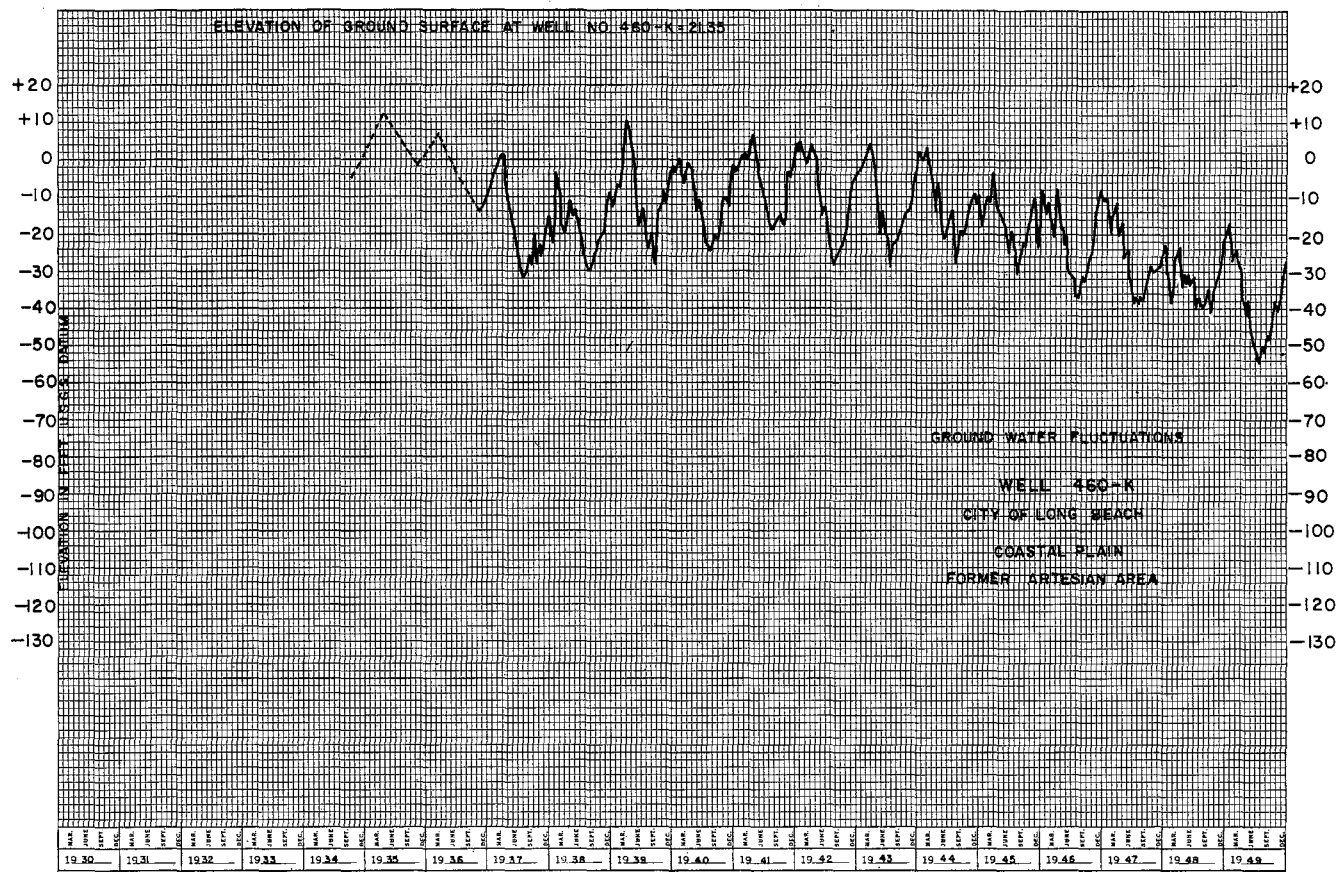

ELEVATION OF GROUND SURFACE AT WELL 3030F = 386.7
3030 FS
ELEVATION IN FEET, U.S.G.S. DATUM
330
320
310
300
290
280
270
260
250
240
230
1943
1944
1945
1946
1947
1948
1949
1950
1951
1952
1953
1954
1955
1956
1957
1958
1959
19
19
19
GROUND WATER FLUCTUATIONS
WELL NOS. 3030 & 3030F
BALDWIN PARK
MAIN SAN GABRIEL BASIN
SHEET 1

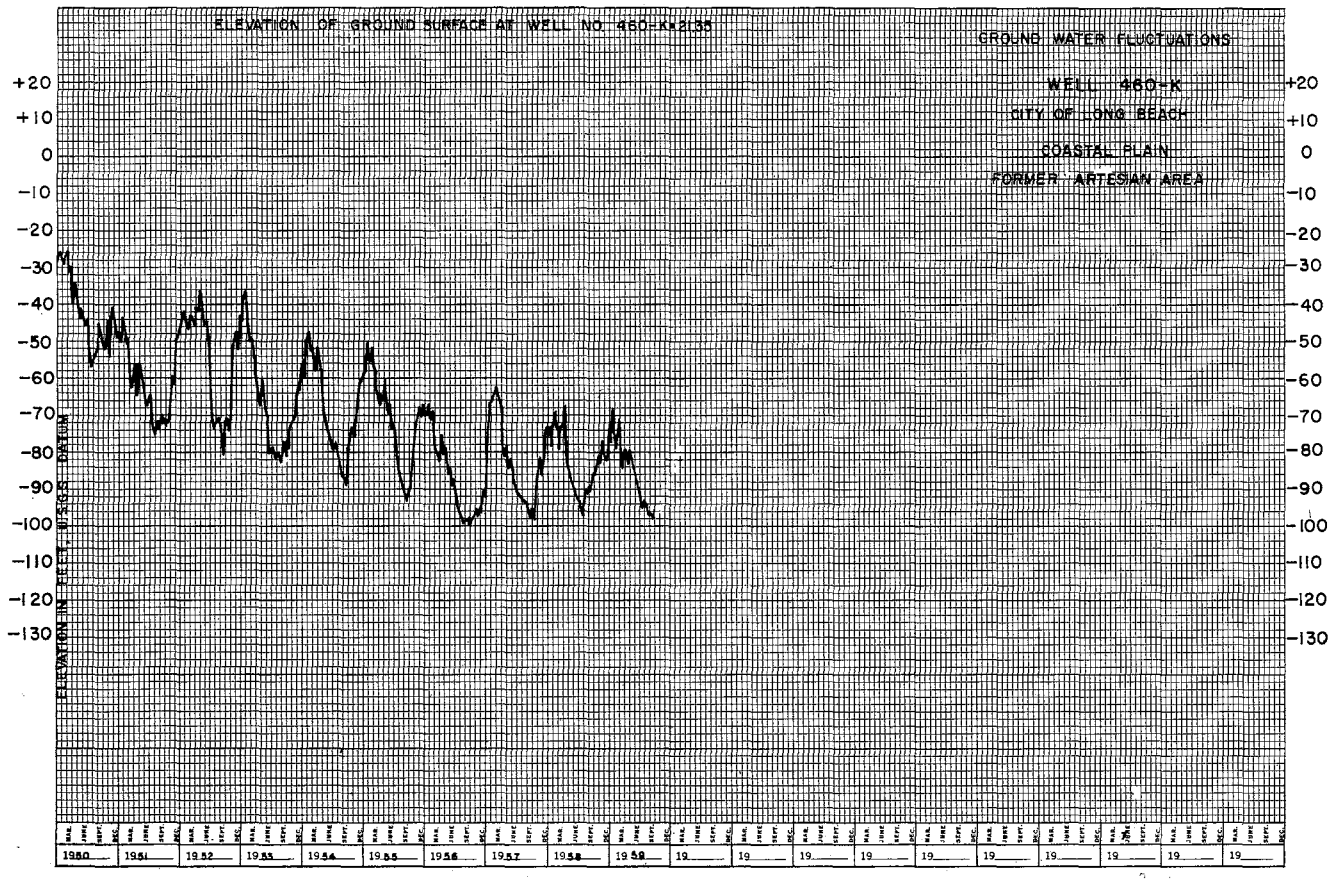

ELEVATION OF GROUND SURFACE AT WELL NO. 1620
ELEVATION OF GROUND SURFACE AT WELL NO. 1601 E
ELEVATION OF GROUND SURFACE AT WELL NO. 1601 P
ONE MEASUREMENT ONLY JAN. 1904
CONTINUOUS RECORD BEGINS FEB. 1924
1620
1601 E
1601 P
ELEVATION IN FEET, USGS DATUM
GROUND WATER FLUCTUATIONS
WELL NOS. 1620 1601 E & 1601 P
COASTAL PLAIN-INTAKE AREA
1904 1924 1925 1926 1927 1928 1929 1930 1931 1932 1933 1934 1935 1936 1937 1938 1939 1940 1941 1942

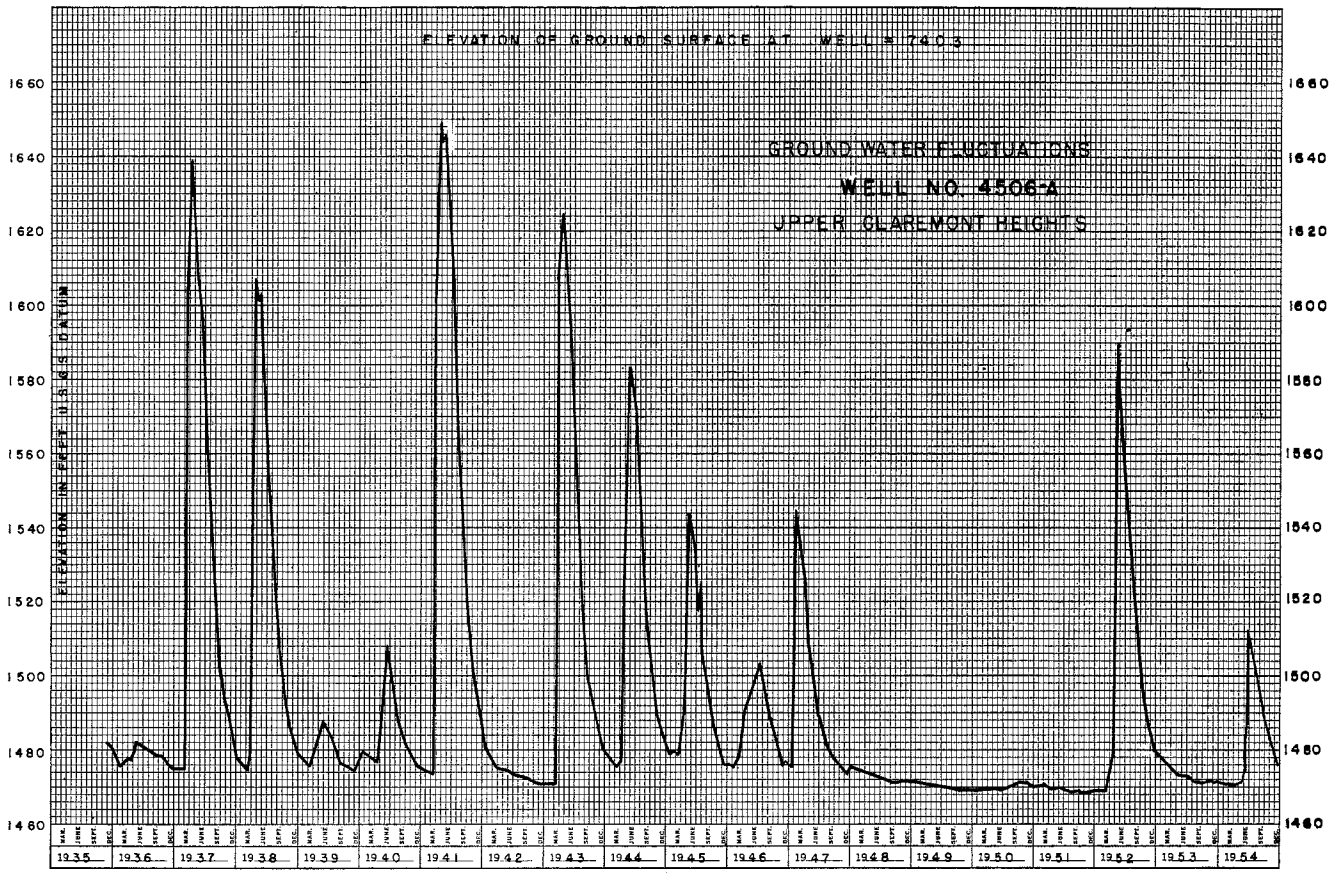

1620
1601 E
1601 P
WELL DESTROYED
DRY
ELEVATION IN FEET, USGS DATUM
GROUND WATER FLUCTUATIONS
WELL NOS. 1620 1601 E & 1601 P
COASTAL PLAIN-INTAKE AREA
1943 1944 1945 1946 1947 1948 1949 1950 1951 1952 1953 1954 1955 1956 1957 1958 1959 19 19 19

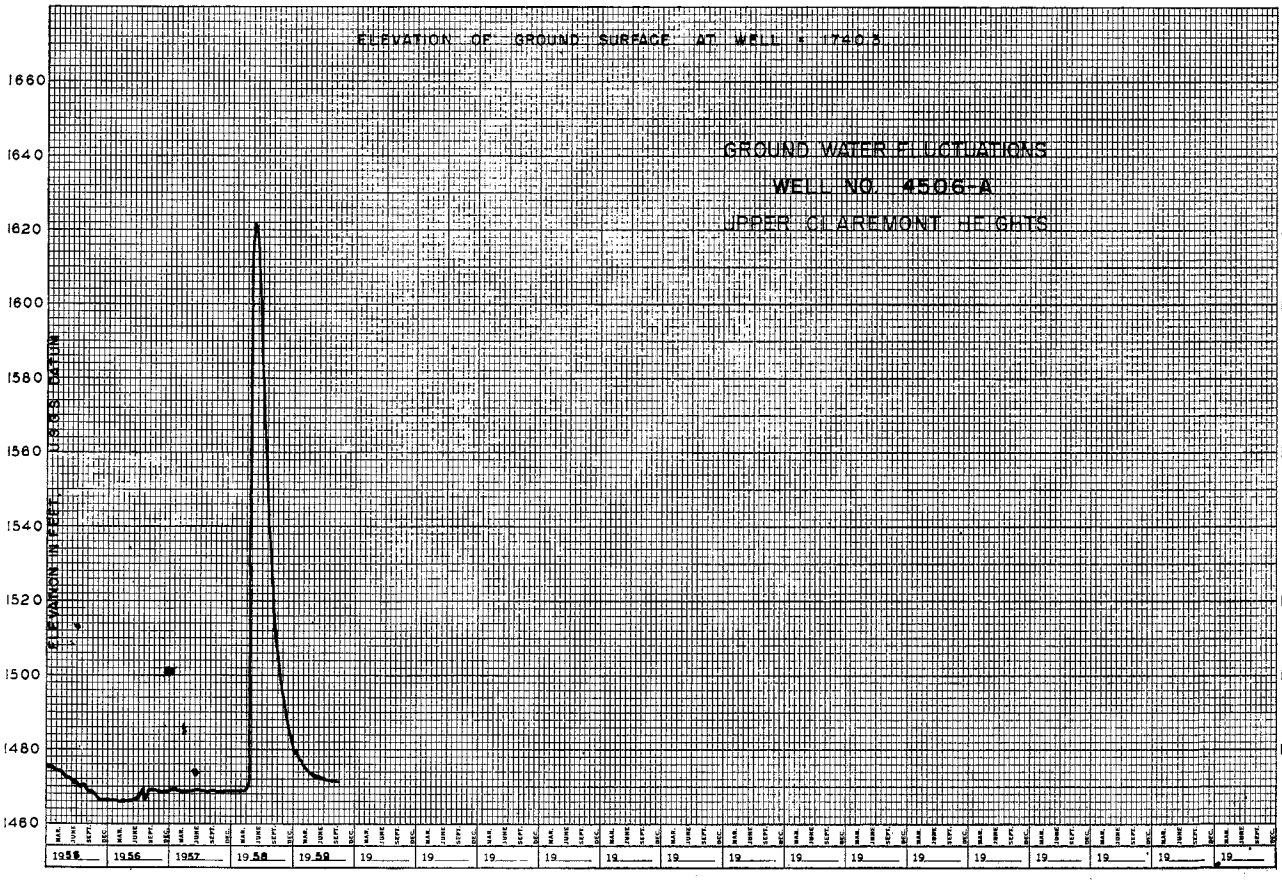

ELEVATION OF GROUND SURFACE AT WELL NO 936 = 69.8
ELEVATION OF GROUND SURFACE AT WELL NO 936C = 70.0
ELEVATION OF GROUND SURFACE AT WELL NO 9060 = 90.0
GROUND WATER FLUCTUATIONS
WELLS 936, 936C & 9060
CITY OF LONG BEACH
COASTAL PLAIN
FORMER ARTESIAN AREA
ELEVATION IN FEET USGS DATUM
936
936C
9060
40
30
20
10
0
-10
-20
-30
-40
-50
1925
1926
1927
1928
1929
1930
1931
1932
1933
1934
1935
1936
1937
1938
1939
1940
1941
1942
1943
1944

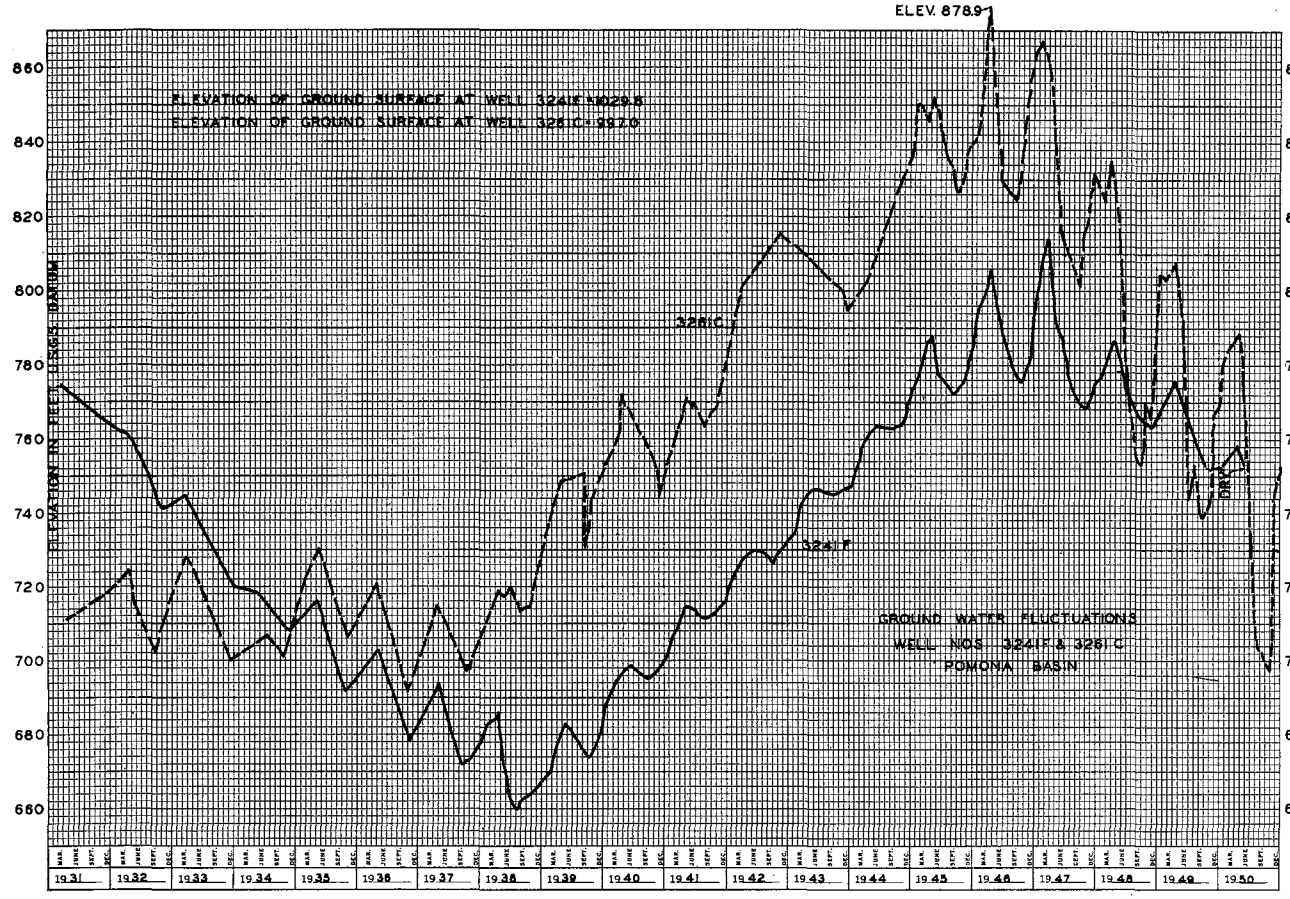

ELEVATION IN FEET USGS DATUM
DESTROYED
936
9060
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
1945
1946
1947
1948
1949
1950
1951
1952
1953
1954
1955
1956
1957
1958
1959
19
19
19
19
19

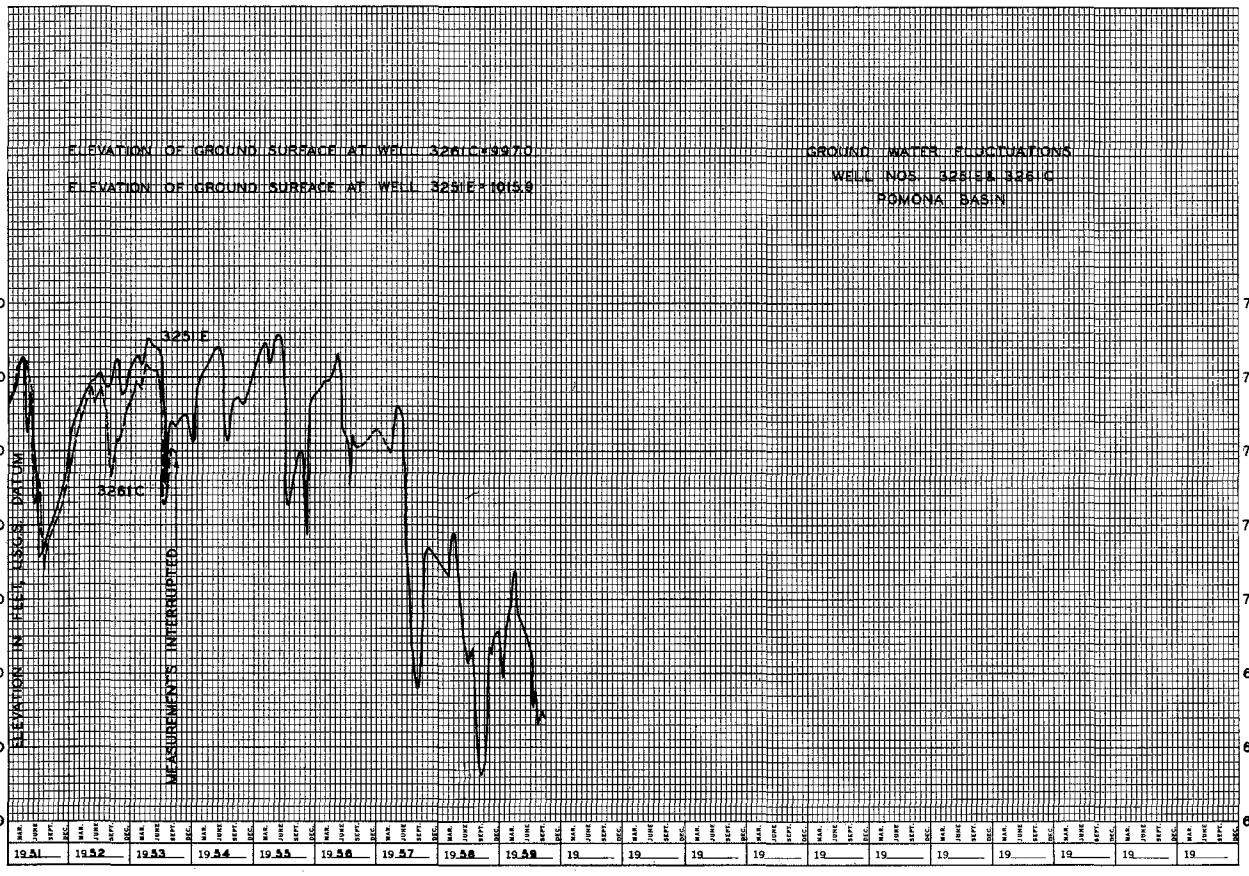

ELEVATION OF GROUND SURFACE AT WELL NO. 460-K = 21.35
ELEVATION IN FEET, U.S.G.S. DATUM
+20
+10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
-120
-130
GROUND WATER FLUCTUATIONS
WELL 460-K
CITY OF LONG BEACH
COASTAL PLAIN
FORMER ARTESIAN AREA
MAR. JUNE SEPT. DEC.
19 30 19 31 19 32 19 33 19 34 19 35 19 36 19 37 19 38 19 39 19 40 19 41 19 42 19 43 19 44 19 45 19 46 19 47 19 48 19 49

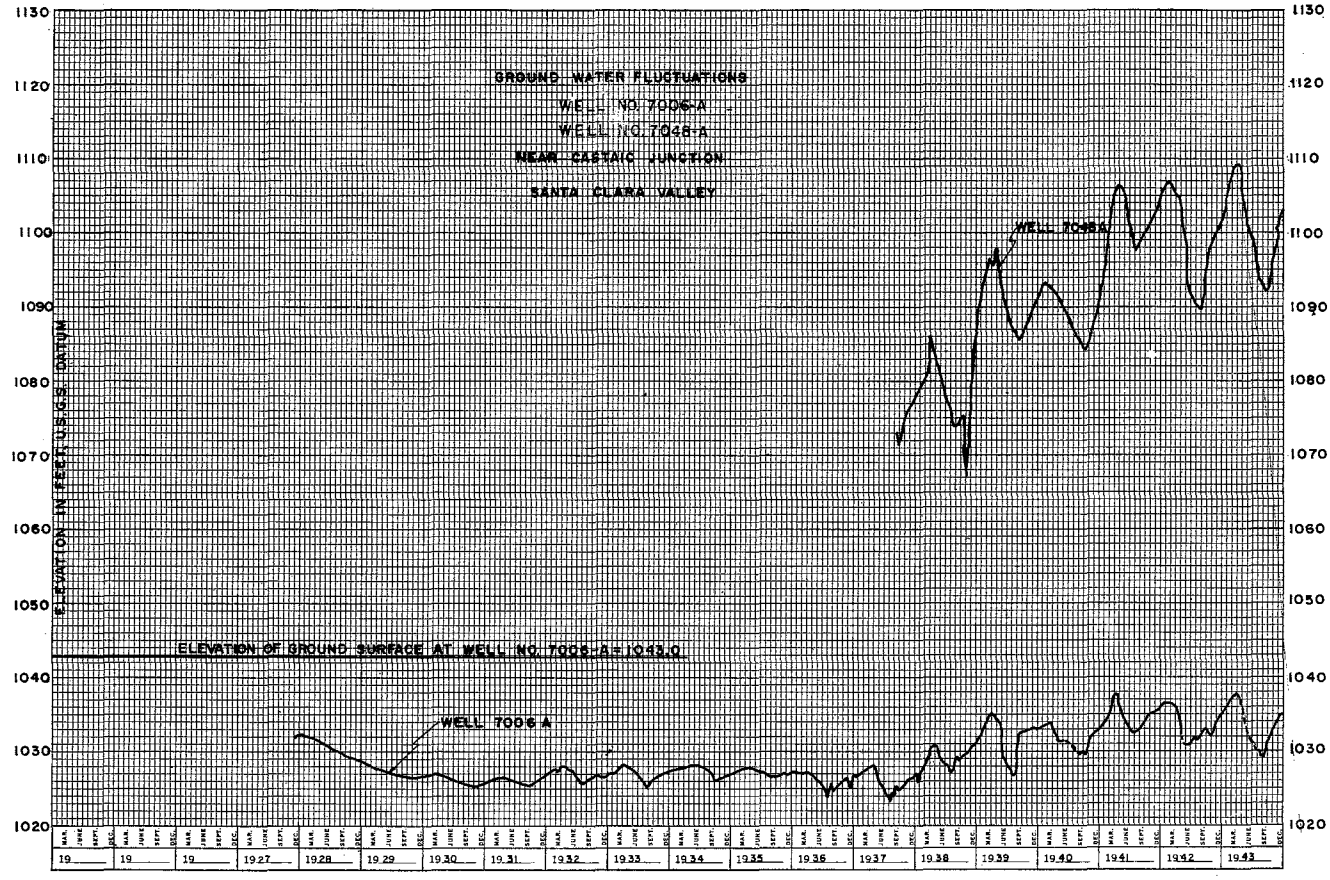

ELEVATION OF GROUND SURFACE AT WELL NO. 460-K = 21.35
GROUND WATER FLUCTUATIONS
WELL 460-K
CITY OF LONG BEACH
COASTAL PLAIN
FORMER ARTESIAN AREA
ELEVATION IN FEET, U.S.G.S. DATUM
+20
+10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
-120
-130
MAR. JUNE SEPT. DEC.
1950 1951 1952 1953 1954 1955 1956 1957 1958 1959 19 19 19 19 19 19 19 19 19 19

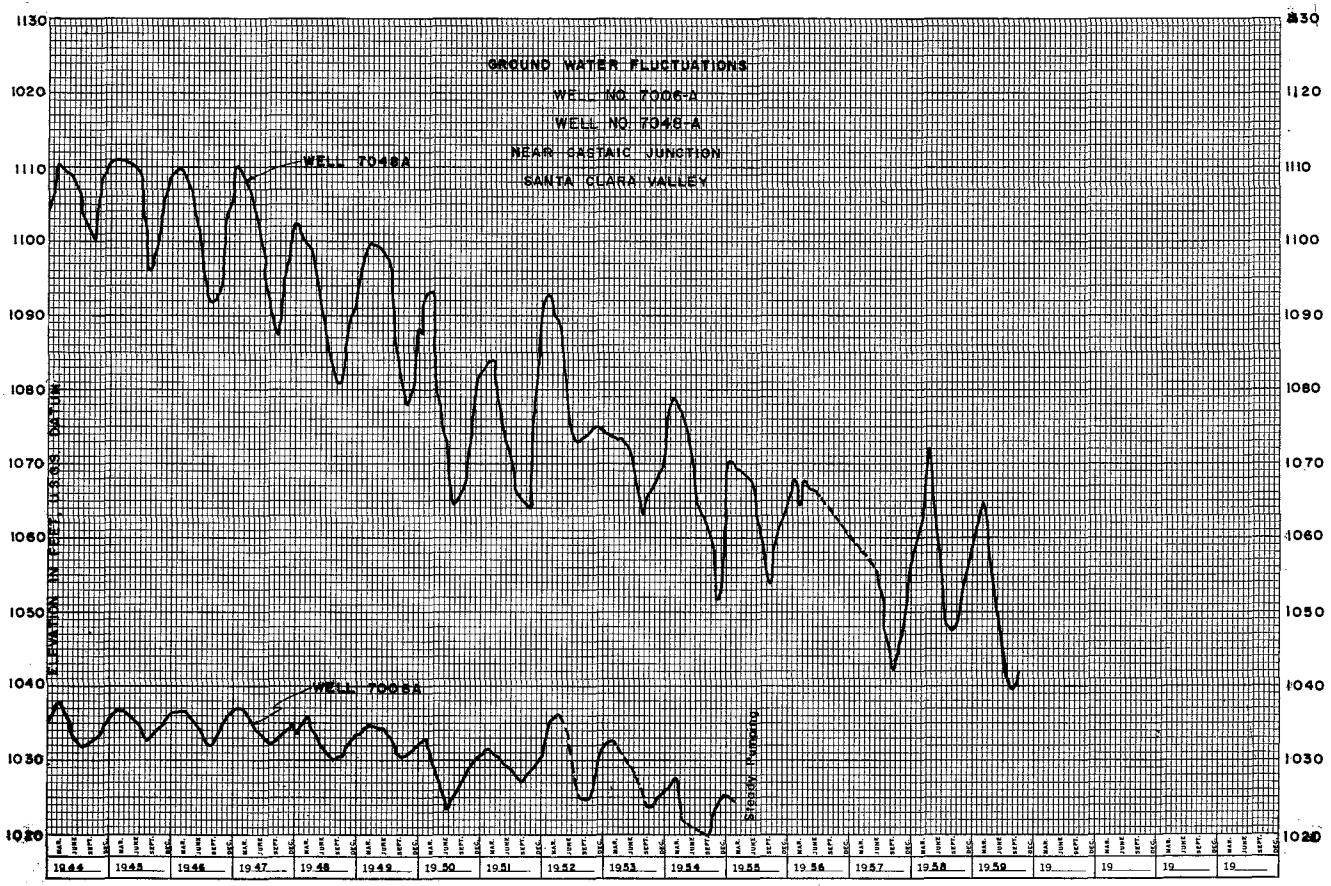

ELEVATION OF GROUND SURFACE AT WELL = 1740.3
GROUND WATER FLUCTUATIONS
WELL NO. 4506-A
UPPER CLAREMONT HEIGHTS
ELEVATION IN FEET U.S.G.S. DATUM
1660
1640
1620
1600
1580
1560
1540
1520
1500
1480
1460
1935
1936
1937
1938
1939
1940
1941
1942
1943
1944
1945
1946
1947
1948
1949
1950
1951
1952
1953
1954

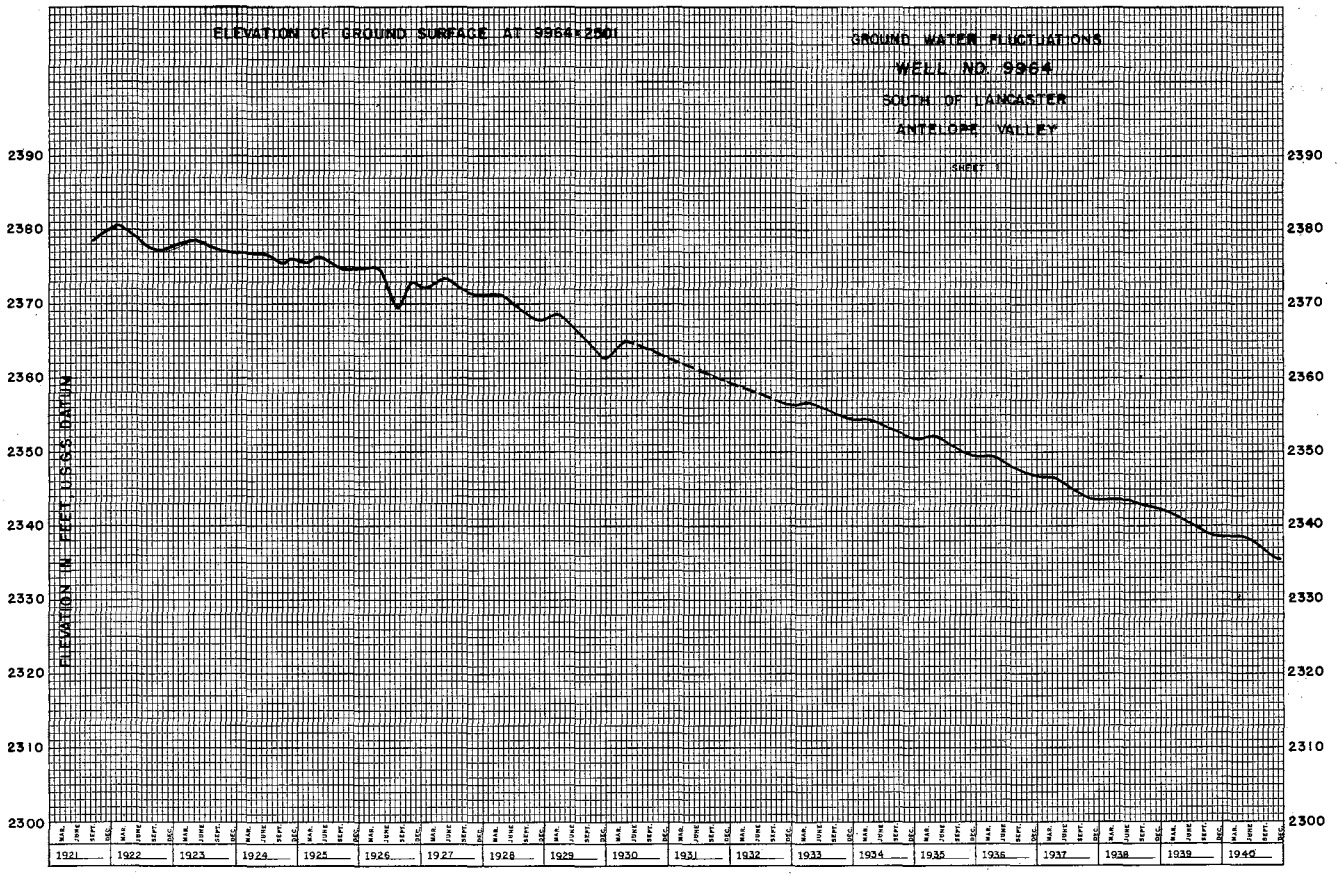

ELEVATION OF GROUND SURFACE AT WELL = 1740.3
GROUND WATER FLUCTUATIONS
WELL NO. 4506-A
UPPER CLAREMONT HEIGHTS
ELEVATION IN FEET U.S.G.S. DATUM
1660
1640
1620
1600
1580
1560
1540
1520
1500
1480
1460
1955
1956
1957
1958
1959

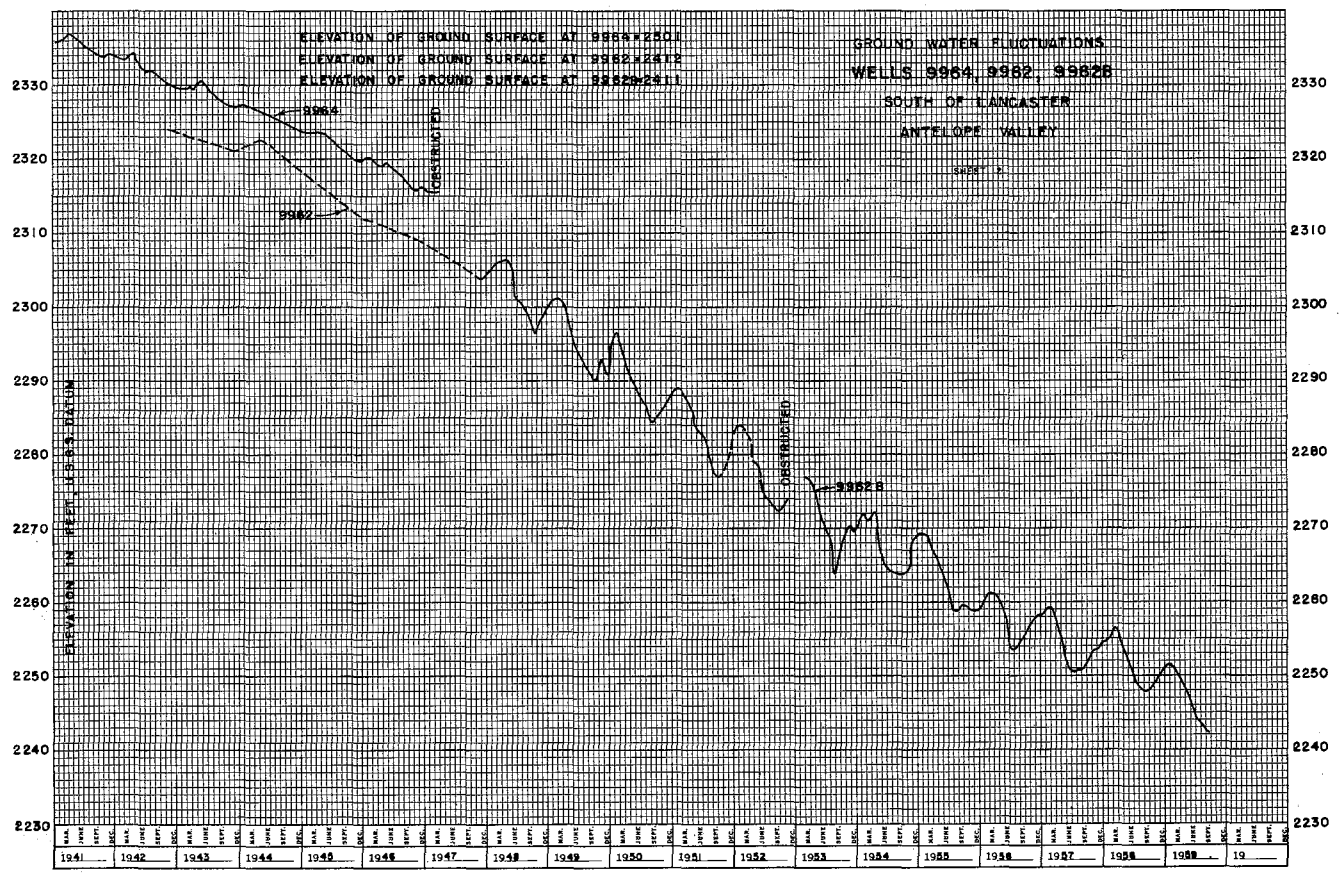

ELEV. 878.9
ELEVATION OF GROUND SURFACE AT WELL 3241F=1029.8
ELEVATION OF GROUND SURFACE AT WELL 3261C=997.0
ELEVATION IN FEET USGS DATUM
3261C
3241F
GROUND WATER FLUCTUATIONS
WELL NOS. 3241F & 3261C
POMONA BASIN
860
840
820
800
780
760
740
720
700
680
660
1931
1932
1933
1934
1935
1936
1937
1938
1939
1940
1941
1942
1943
1944
1945
1946
1947
1948
1949
1950

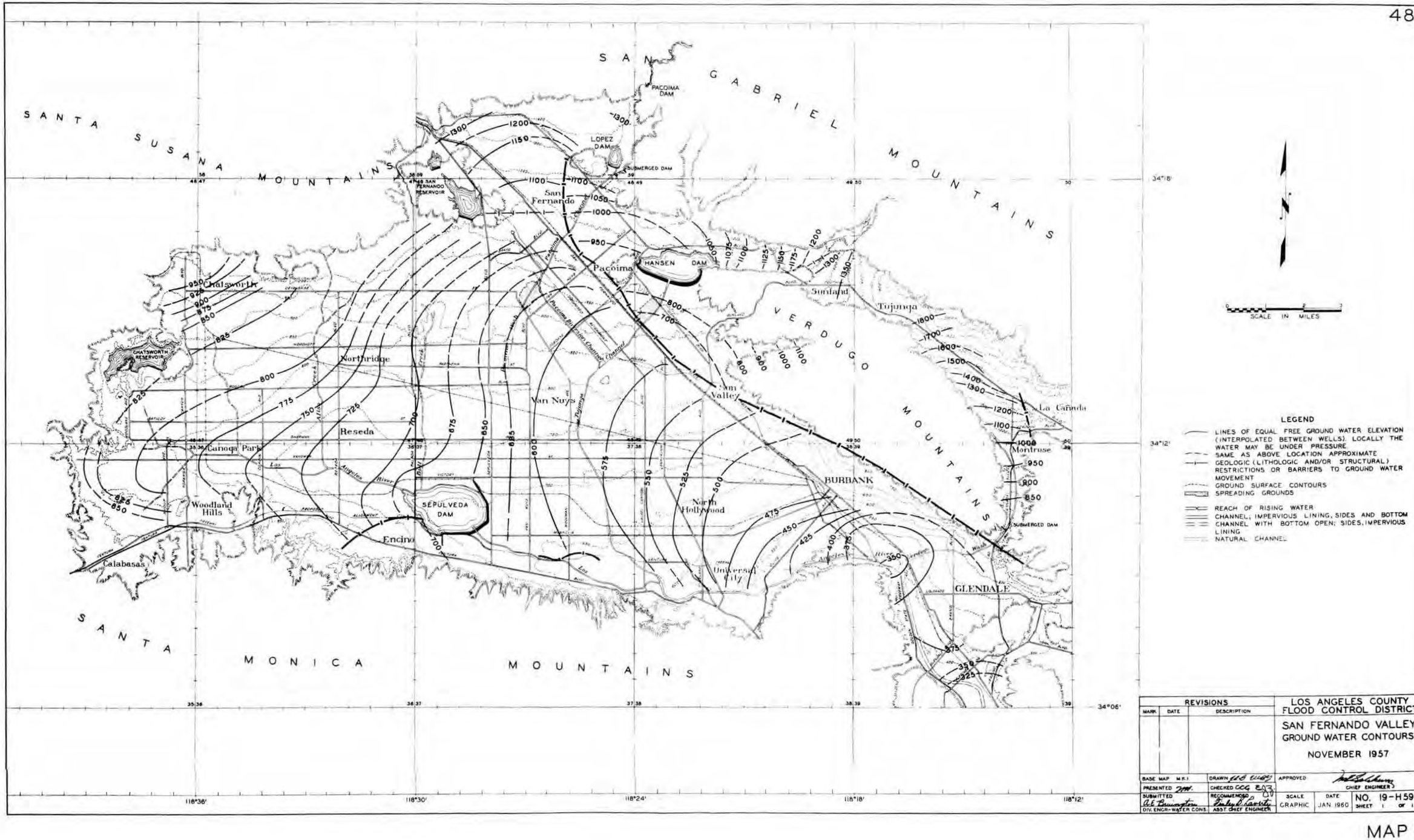

ELEVATION OF GROUND SURFACE AT WELL 3261C=997.0
ELEVATION OF GROUND SURFACE AT WELL 3251E=1015.9
GROUND WATER FLUCTUATIONS
WELL NOS. 3251E & 3261C
POMONA BASIN
ELEVATION IN FEET USGS DATUM
3251E
3261C
MEASUREMENTS INTERRUPTED
780
760
740
720
700
680
660
640
1951
1952
1953
1954
1955
1956
1957
1958
1959
19
19
19
19
19
19
19
19
19
19


GROUND WATER FLUCTUATIONS
WELL NO. 7006-A
WELL NO. 7048-A
NEAR CASTAIC JUNCTION
SANTA CLARA VALLEY
ELEVATION IN FEET, U.S.G.S. DATUM
ELEVATION OF GROUND SURFACE AT WELL NO. 7006-A = 1043.0
WELL 7006A
WELL 7048A
1130
1120
1110
1100
1090
1080
1070
1060
1050
1040
1030
1020
19 19 19 1927 1928 1929 1930 1931 1932 1933 1934 1935 1936 1937 1938 1939 1940 1941 1942 1943

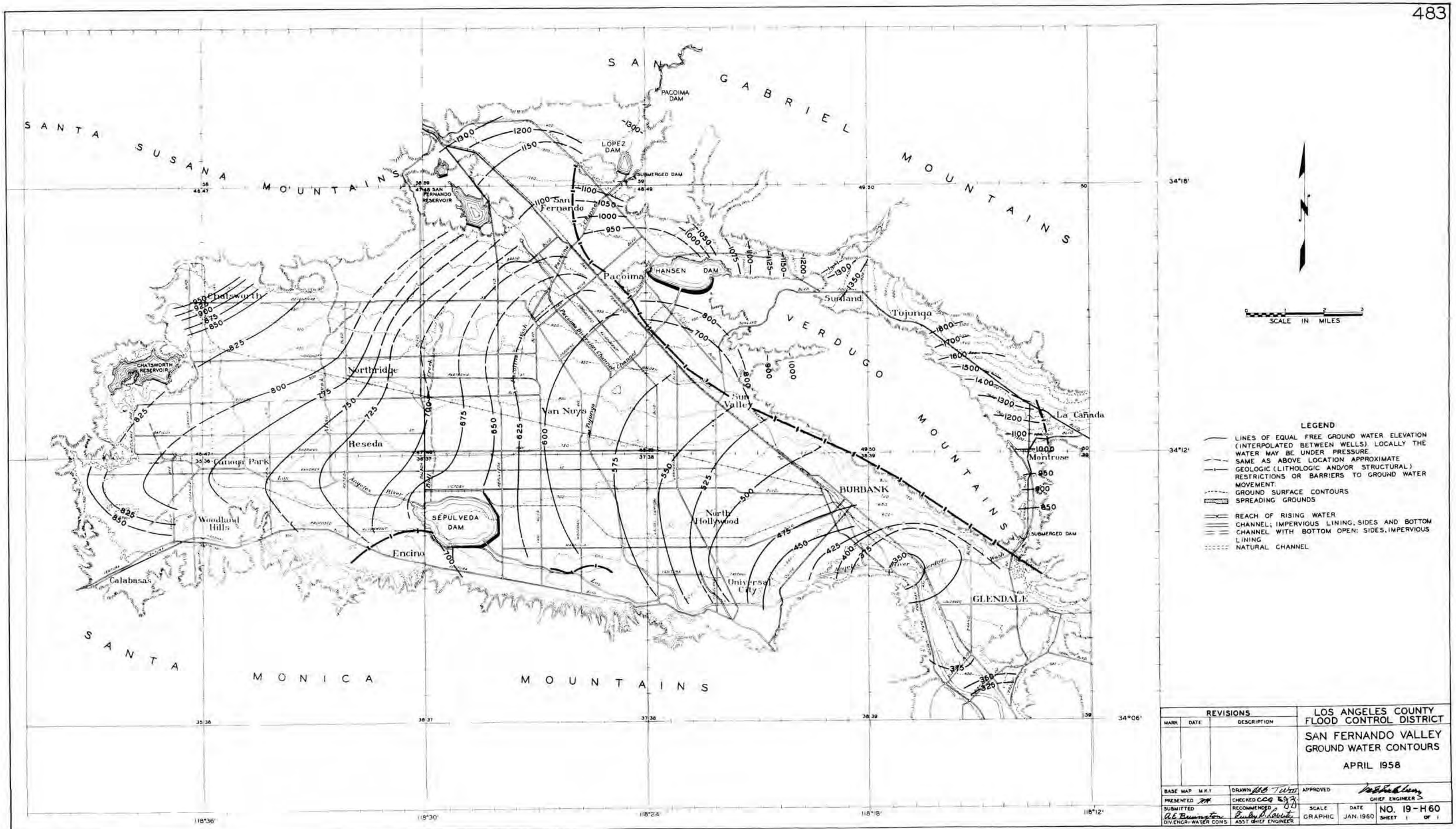

GROUND WATER FLUCTUATIONS
WELL NO. 7006-A
WELL NO. 7048-A
NEAR CASTAIC JUNCTION
SANTA CLARA VALLEY
ELEVATION IN FEET, U.S.G.S. DATUM
WELL 7048A
WELL 7006A
Stippled Running
1130
1120
1110
1100
1090
1080
1070
1060
1050
1040
1030
1020
1944 1945 1946 1947 1948 1949 1950 1951 1952 1953 1954 1955 1956 1957 1958 1959 19 19 19 19


ELEVATION OF GROUND SURFACE AT 9964 = 2501
GROUND WATER FLUCTUATIONS
WELL NO. 9964
SOUTH OF LANCASTER
ANTELOPE VALLEY
SHEET 1
ELEVATION IN FEET, U.S.G.S. DATUM
2390
2380
2370
2360
2350
2340
2330
2320
2310
2300
1921
1922
1923
1924
1925
1926
1927
1928
1929
1930
1931
1932
1933
1934
1935
1936
1937
1938
1939
1940


ELEVATION OF GROUND SURFACE AT 9964 = 2501
ELEVATION OF GROUND SURFACE AT 9982 = 2412
ELEVATION OF GROUND SURFACE AT 9982B = 2411
GROUND WATER FLUCTUATIONS
WELLS 9964, 9982, 9982B
SOUTH OF LANCASTER
ANTELOPE VALLEY
SHEET 2
9964
9982
9982B
OBSTRUCTED
OBSTRUCTED
ELEVATION IN FEET, U.S.G.S. DATUM
2330
2320
2310
2300
2290
2280
2270
2260
2250
2240
2230
1941
1942
1943
1944
1945
1946
1947
1948
1949
1950
1951
1952
1953
1954
1955
1956
1957
1958
1959
19


SANTA SUSANA MOUNTAINS
SAN GABRIEL MOUNTAINS
SANTA MONICA MOUNTAINS
VERDUGO MOUNTAINS
PACOIMA DAM
LOPEZ DAM
SUBMERGED DAM
SAN FERNANDO RESERVOIR
San Fernando
Pacoima
HANSEN DAM
Sunland
Tujunga
La Cañada
Montrose
Chatsworth
CHATSWORTH RESERVOIR
Northridge
Van Nuys
Sun Valley
Reseda
Canoga Park
Woodland Hills
Calabasas
SEPULVEDA DAM
Encino
North Hollywood
BURBANK
Universal City
GLENDALE
SCALE IN MILES
LEGEND
LINES OF EQUAL FREE GROUND WATER ELEVATION (INTERPOLATED BETWEEN WELLS). LOCALLY THE WATER MAY BE UNDER PRESSURE
SAME AS ABOVE LOCATION APPROXIMATE
GEOLOGIC (LITHOLOGIC AND/OR STRUCTURAL) RESTRICTIONS OR BARRIERS TO GROUND WATER MOVEMENT
GROUND SURFACE CONTOURS
SPREADING GROUNDS
REACH OF RISING WATER
CHANNEL; IMPERVIOUS LINING, SIDES AND BOTTOM
CHANNEL WITH BOTTOM OPEN; SIDES, IMPERVIOUS LINING
NATURAL CHANNEL
REVISIONS
MARK
DATE
DESCRIPTION
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
SAN FERNANDO VALLEY GROUND WATER CONTOURS
NOVEMBER 1957
BASE MAP M.K.I.
DRAWN
APPROVED
PRESENTED
CHECKED
CHIEF ENGINEER
SUBMITTED
RECOMMENDED
DIV. ENGR.-WATER CONS.
ASST. CHIEF ENGINEER
SCALE GRAPHIC
DATE JAN. 1960
NO. 19-H59
SHEET 1 OF 1

MAP V


SANTA SUSANA MOUNTAINS
SAN GABRIEL MOUNTAINS
VERDUGO MOUNTAINS
SANTA MONICA MOUNTAINS
PACOIMA DAM
LOPEZ DAM
SUBMERGED DAM
SAN FERNANDO RESERVOIR
San Fernando
Pacoima
HANSEN DAM
Sunland
Tujunga
Chatsworth
CHATSWORTH RESERVOIR
Northridge
Van Nuys
Sun Valley
La Cañada
Montrose
Reseda
Canoga Park
Woodland Hills
SEPULVEDA DAM
Encino
Calabasas
North Hollywood
BURBANK
Universal City
GLENDALE
SUBMERGED DAM
34°18'
34°12'
34°06'
118°36'
118°30'
118°24'
118°18'
118°12'
SCALE IN MILES
LEGEND
LINES OF EQUAL FREE GROUND WATER ELEVATION (INTERPOLATED BETWEEN WELLS). LOCALLY THE WATER MAY BE UNDER PRESSURE.
SAME AS ABOVE LOCATION APPROXIMATE
GEOLOGIC (LITHOLOGIC AND/OR STRUCTURAL) RESTRICTIONS OR BARRIERS TO GROUND WATER MOVEMENT.
GROUND SURFACE CONTOURS
SPREADING GROUNDS
REACH OF RISING WATER
CHANNEL; IMPERVIOUS LINING, SIDES AND BOTTOM
CHANNEL WITH BOTTOM OPEN; SIDES, IMPERVIOUS LINING
NATURAL CHANNEL
REVISIONS
MARK
DATE
DESCRIPTION
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
SAN FERNANDO VALLEY GROUND WATER CONTOURS
APRIL 1958
BASE MAP M.K.I.
PRESENTED
SUBMITTED
DIV. ENGR.-WATER CONS.
DRAWN
CHECKED
RECOMMENDED
ASST. CHIEF ENGINEER
APPROVED
CHIEF ENGINEER
SCALE GRAPHIC
DATE JAN. 1960
NO. 19-H60
SHEET 1 OF 1

MAP VI

LEGEND

- KEY WELLS
- KEY WELLS WITH AUTOMATIC RECORDERS
- KEY WELLS FOR WHICH HYDROGRAPHS ARE INCLUDED IN THIS REPORT
- KEY WELLS WITH AUTOMATIC RECORDERS FOR WHICH HYDROGRAPHS ARE INCLUDED IN THIS REPORT
- SPECIAL WELLS WITH AUTOMATIC RECORDERS
- GROUND WATER BARRIERS
- SPREADING GROUNDS
- CHANNEL PERCOLATING AREAS
- LINED CHANNEL
- APPROXIMATE LINE MARKING TRANSITION FROM FREE TO PRESSURE GROUND WATER LEVELS

GROUND WATER BASINS

1 MORK HILL
2 RAYMOND
3 MAIN SAN GABRIEL
4 UPPER SAN GABRIEL CANYON
5 LOWER SAN GABRIEL CANYON
6 GLENDORA
7 WAY HILL
8 SAN DIMAS
9 FOOTHILL
10 LIVE OAK
11 LOWER CLAREMONT HEIGHTS
12 UPPER CLAREMONT HEIGHTS
13 SAN ANTONIO CANYON
14 POMONA
15 CHINO
16 PUENTE
17 SPADRA
18 VERDUGO
19 TUJUNGA
20 SAN FERNANDO
21 SYLMAR
22 PACOIMA
23 WEST COASTAL
24 CENTRAL COASTAL
24A MONTEBELLO FOREBAY
25 HOLLYWOOD
25A LOS ANGELES FOREBAY
26 SANTA CLARA
27 VALYERMO
28 PALLETT CREEK
29 AMARGOSA
30 ROCK CREEK
31 BUTTES
32 LANCASTER
33 NEENACH
34 LA HABRA
35 GLENDALE

SPREADING GROUNDS
DISTRICT OWNED & OPERATED

- (L) LOPEZ
- (P) PACOIMA
- (H) HANSEN
- (B) BRANFORD SPREADING BASIN
- (A) ARROYO SECO
- (E) EATON WASH
- (S) SANTA ANITA
- (M) SAWPIT WASH
- (D) BIG DALTON CANYON
- (EA) EATON SPREADING BASIN
- (SV) SIERRA VISTA SPREADING BASIN
- (SF) SANTA FE RESERVOIR
- (IR) IRWINDALE SPREADING BASIN
- (BL) BEN LOMOND
- (SG) SAN GABRIEL COASTAL BASIN
- (RH) RIO HONDO COASTAL BASIN
- (RHS) RIO HONDO COASTAL BASIN STREAMBED DEVELOPMENT
- (DG) DOMINGUEZ GAP
- (WC) WEST COAST BASIN BARRIER PROJECT (RECHARGE WELLS)

NON-DISTRICT

- SIERRA MADRE
- SAN GABRIEL RIVER WATER COMMITTEE
  - a. WEST SIDE CANYON BASIN
  - b. EAST SIDE CANYON BASIN
- MAIN CHANNELS FED BY AZUSA AND COVINA CANALS
- LITTLE DALTON
- THOMPSON CREEK
- SAN ANTONIO
- L.A. CITY TUJUNGA
- L.A. CITY CRYSTAL SPRING INFILTRATION AREA
- CITY OF POMONA
- KIMES CANYON

PERCOLATING AREAS RESERVOIRS

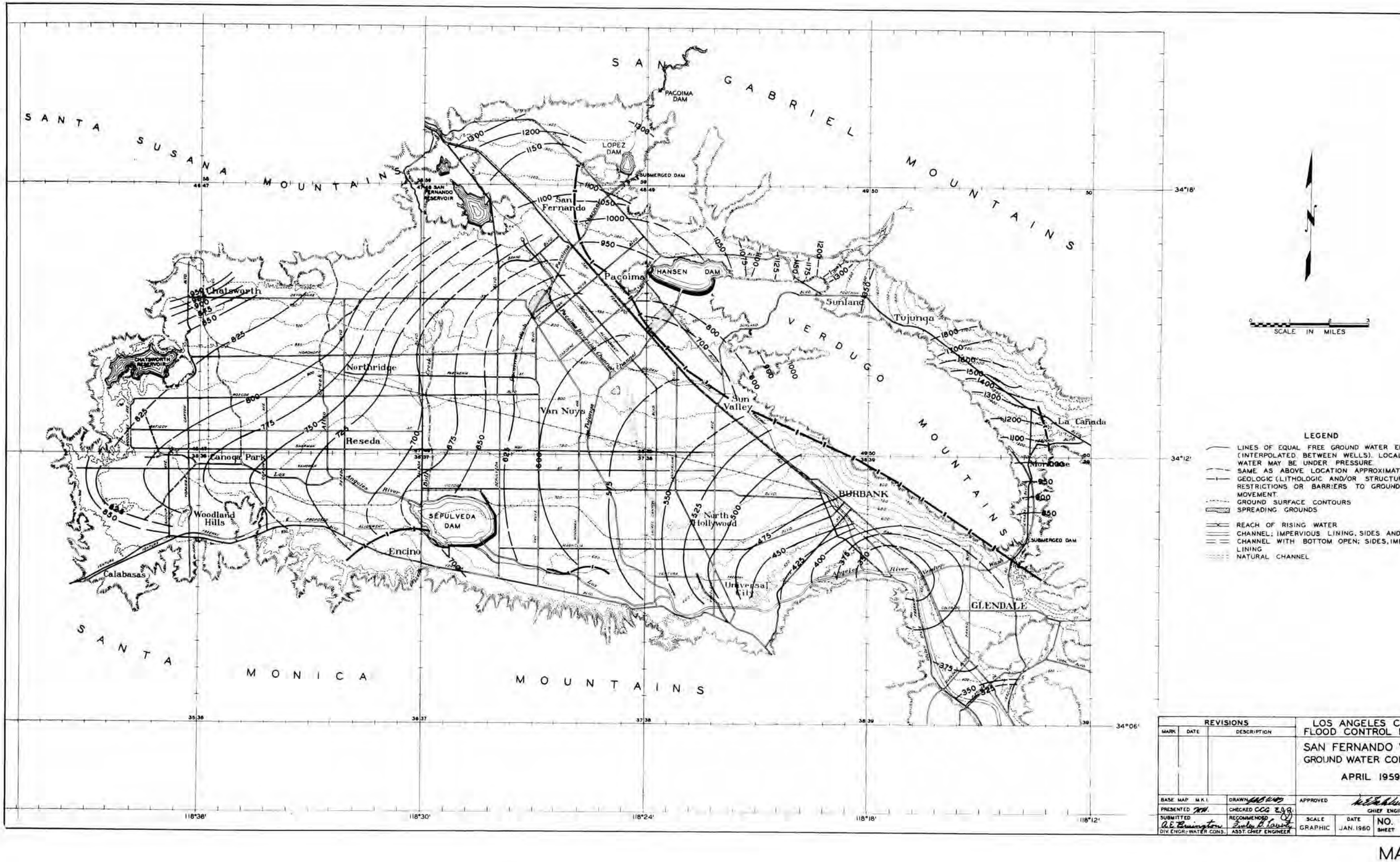
- (L) LOPEZ
- (H) HANSEN
- (D) DEVILS GATE
- (E) EATON
- (S) SAWPIT DEBRIS BASIN
- (B) BIG DALTON DIVERSION
- (SF) SANTA FE
- (T) THOMPSON CREEK
- (SA) SAN ANTONIO
- (W) WHITTIER NARROWS

STREAM BEDS

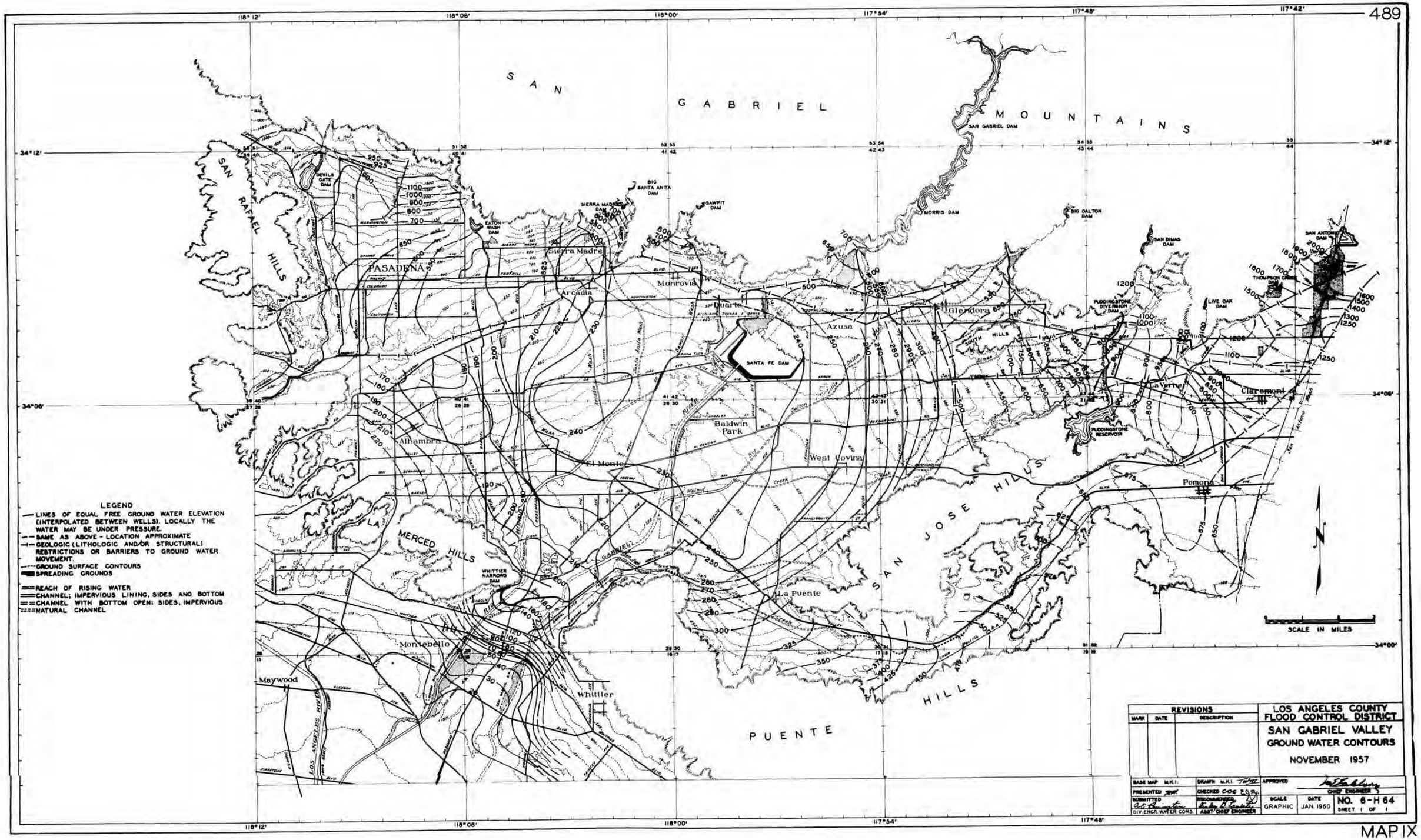
- (P) PACOIMA WASH (WOODMAN AVE. TO FOOTHILL BLVD.)
- (S) SAN GABRIEL (WHITTIER BLVD. TO FLORENCE AVE.)

REVISIONS			LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
MARK	DATE	DESCRIPTION	MAP SHOWING LOCATION OF KEY WELLS GROUND WATER BASINS AND SPREADING GROUNDS
COMPILED RLS by RH	DRAWN MAI		APPROVED
PRESENTED C of F	CHECKED CGG		CHIEF ENGINEER
SUBMITTED	RECOMMENDED	SCALE: AS SHOWN	DATE: MAY, 1960
DIV. ENGR.-WATER CONS.	ASST. CHIEF ENGINEER		NO. 2-H145 SHEET 1 OF 1

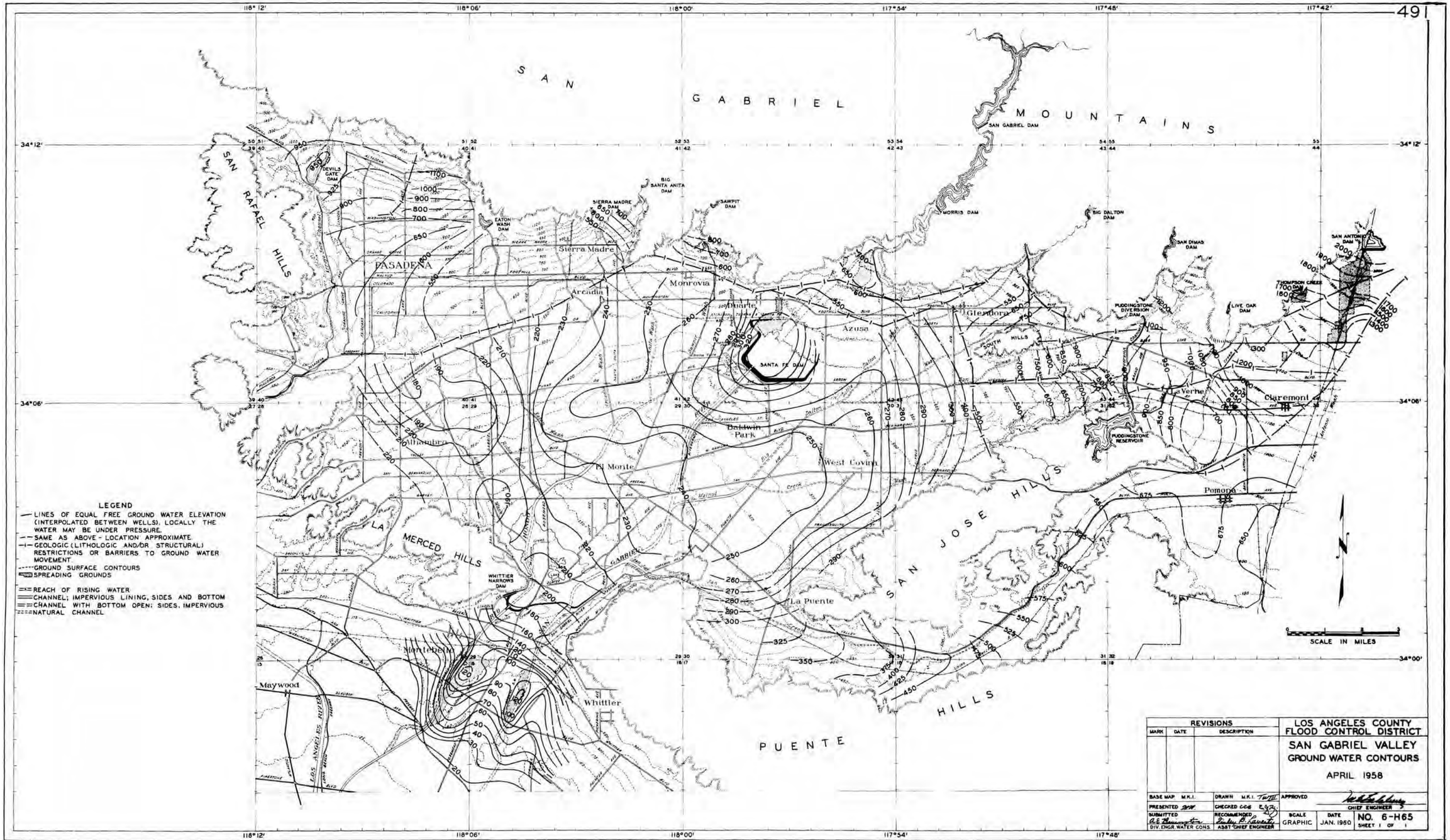
MAP IV


SANTA SUSANA MOUNTAINS
SAN GABRIEL MOUNTAINS
SANTA MONICA MOUNTAINS
VERDUGO MOUNTAINS
PACOIMA DAM
LOPEZ DAM
SUBMERGED DAM
SAN FERNANDO RESERVOIR
HANSEN DAM
SEPULVEDA DAM
CHATSWORTH RESERVOIR
San Fernando
Pacoima
Chatsworth
Northridge
Van Nuys
Sun Valley
Sunland
Tujunga
La Cañada
Reseda
Canoga Park
Woodland Hills
Encino
Calabasas
North Hollywood
Universal City
BURBANK
GLENDALE
Los Angeles River
Pacoima Diversion Channel
SCALE IN MILES
34°18'
34°12'
34°06'
118°36'
118°30'
118°24'
118°18'
118°12'
LEGEND
LINES OF EQUAL FREE GROUND WATER ELEVATION (INTERPOLATED BETWEEN WELLS). LOCALLY THE WATER MAY BE UNDER PRESSURE.
SAME AS ABOVE LOCATION APPROXIMATE
GEOLOGIC (LITHOLOGIC AND/OR STRUCTURAL) RESTRICTIONS OR BARRIERS TO GROUND WATER MOVEMENT.
GROUND SURFACE CONTOURS
SPREADING GROUNDS
REACH OF RISING WATER
CHANNEL; IMPERVIOUS LINING, SIDES AND BOTTOM
CHANNEL WITH BOTTOM OPEN; SIDES, IMPERVIOUS LINING
NATURAL CHANNEL
REVISIONS
MARK
DATE
DESCRIPTION
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
SAN FERNANDO VALLEY
GROUND WATER CONTOURS
APRIL 1959
BASE MAP M.K.I.
DRAWN
PRESENTED
CHECKED CCG E.J.G.
APPROVED
CHIEF ENGINEER
SUBMITTED
A.E. Bruington
DIV. ENGR.-WATER CONS.
RECOMMENDED
Finley B. Laverty
ASST. CHIEF ENGINEER
SCALE
GRAPHIC
DATE
JAN. 1960
NO. 19-H62
SHEET 1 OF 1

MAP VIII


SAN GABRIEL MOUNTAINS
SAN RAFAEL HILLS
LA MERCED HILLS
SAN JOSE HILLS
PUENTE HILLS
PASADENA
Sierra Madre
Arcadia
Monrovia
Duarte
Azusa
Glendora
La Verne
Claremont
Pomona
Alhambra
El Monte
Baldwin Park
West Covina
La Puente
Montebello
Maywood
Whittier
SANTA FE DAM
SAN GABRIEL DAM
MORRIS DAM
BIG DALTON DAM
SAN DIMAS DAM
LIVE OAK DAM
PUDDINGSTONE DIVERSION DAM
PUDDINGSTONE RESERVOIR
SAN ANTONIO DAM
THOMPSON CREEK DAM
DEVILS GATE DAM
EATON WASH DAM
SIERRA MADRE DAM
BIG SANTA ANITA DAM
SAWPIT DAM
WHITTIER NARROWS DAM
LOS ANGELES RIVER
SCALE IN MILES
LEGEND
LINES OF EQUAL FREE GROUND WATER ELEVATION (INTERPOLATED BETWEEN WELLS). LOCALLY THE WATER MAY BE UNDER PRESSURE.
SAME AS ABOVE - LOCATION APPROXIMATE
GEOLOGIC (LITHOLOGIC AND/OR STRUCTURAL) RESTRICTIONS OR BARRIERS TO GROUND WATER MOVEMENT.
GROUND SURFACE CONTOURS
SPREADING GROUNDS
REACH OF RISING WATER
CHANNEL; IMPERVIOUS LINING, SIDES AND BOTTOM
CHANNEL WITH BOTTOM OPEN; SIDES, IMPERVIOUS
NATURAL CHANNEL
REVISIONS
MARK
DATE
DESCRIPTION
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
SAN GABRIEL VALLEY
GROUND WATER CONTOURS
NOVEMBER 1957
BASE MAP M.K.I.
DRAWN M.K.I.
APPROVED
CHIEF ENGINEER
PRESENTED
CHECKED
SUBMITTED
RECOMMENDED
DIV. ENGR. WATER CONS.
ASST. CHIEF ENGINEER
SCALE GRAPHIC
DATE JAN. 1960
NO. 6-H 64
SHEET 1 OF 1

MAP IX



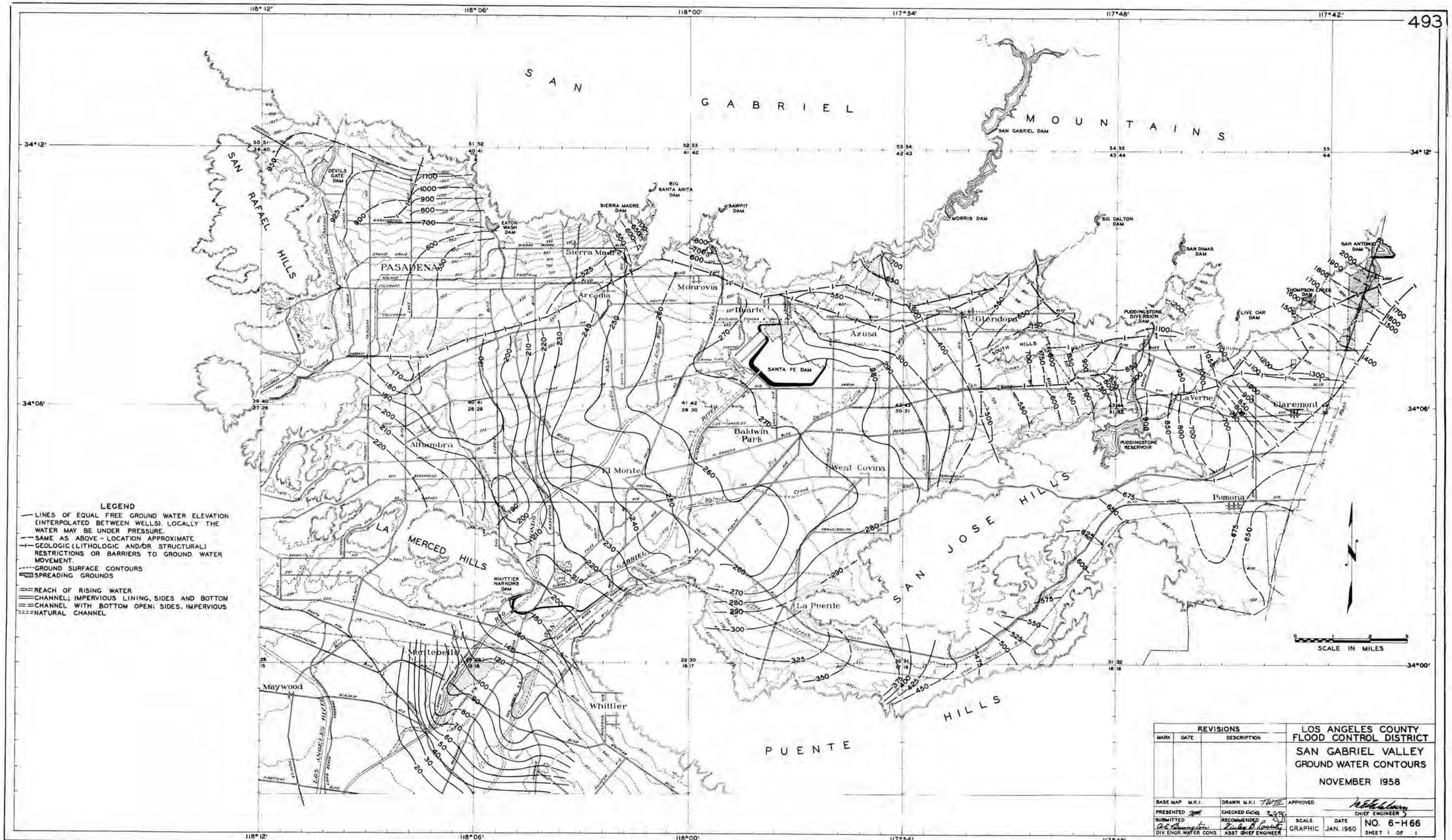
LEGEND

- LINES OF EQUAL FREE GROUND WATER ELEVATION (INTERPOLATED BETWEEN WELLS). LOCALLY THE WATER MAY BE UNDER PRESSURE.
- SAME AS ABOVE - LOCATION APPROXIMATE.
- GEOLOGIC (LITHOLOGIC AND/OR STRUCTURAL) RESTRICTIONS OR BARRIERS TO GROUND WATER MOVEMENT.
- GROUND SURFACE CONTOURS
- SPREADING GROUNDS

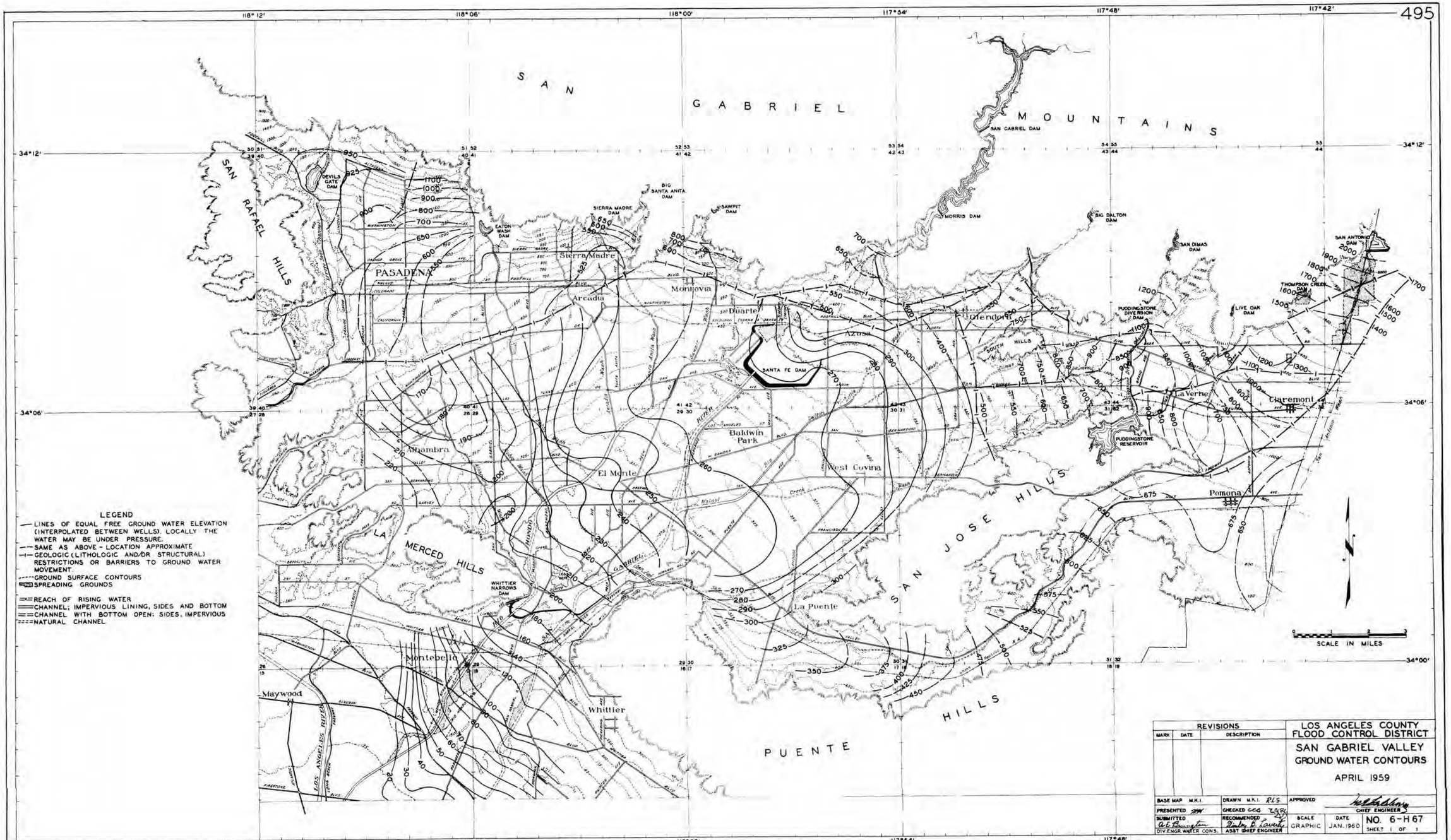
- REACH OF RISING WATER
- CHANNEL; IMPERVIOUS LINING, SIDES AND BOTTOM
- CHANNEL WITH BOTTOM OPEN; SIDES, IMPERVIOUS
- NATURAL CHANNEL

REVISIONS			LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
MARK	DATE	DESCRIPTION	SAN GABRIEL VALLEY GROUND WATER CONTOURS APRIL 1958
BASE MAP M.K.I.	DRAWN M.K.I. Tuttle	APPROVED	CHIEF ENGINEER
PRESENTED	CHECKED C.G.B.		
SUBMITTED DIV. ENGR. WATER CONS.	RECOMMENDED ASST. CHIEF ENGINEER	SCALE GRAPHIC	DATE JAN. 1960
			NO. 6-H65 SHEET 1 OF 1

MAP X


SAN GABRIEL MOUNTAINS
SAN RAFAEL HILLS
LA MERCED HILLS
SAN JOSE HILLS
PUENTE HILLS
PASADENA
Sierra Madre
Arcadia
Monrovia
Duarte
Azusa
Glendora
La Verne
Claremont
Pomona
Baldwin Park
West Covina
El Monte
Alhambra
La Puente
Montebello
Maywood
Whittier
SANTA FE DAM
SAN GABRIEL DAM
MORRIS DAM
BIG DALTON DAM
SAN DIMAS DAM
SAN ANTONIO DAM
THOMPSON CREEK DAM
LIVE OAK DAM
PUDDINGSTONE DIVERSION DAM
PUDDINGSTONE RESERVOIR
SAWPIT DAM
BIG SANTA ANITA DAM
SIERRA MADRE DAM
EATON WASH DAM
DEVILS GATE DAM
WHITTIER NARROWS DAM
LOS ANGELES RIVER
SCALE IN MILES
LEGEND
LINES OF EQUAL FREE GROUND WATER ELEVATION (INTERPOLATED BETWEEN WELLS). LOCALLY THE WATER MAY BE UNDER PRESSURE.
SAME AS ABOVE - LOCATION APPROXIMATE
GEOLOGIC (LITHOLOGIC AND/OR STRUCTURAL) RESTRICTIONS OR BARRIERS TO GROUND WATER MOVEMENT.
GROUND SURFACE CONTOURS
SPREADING GROUNDS
REACH OF RISING WATER
CHANNEL; IMPERVIOUS LINING, SIDES AND BOTTOM
CHANNEL WITH BOTTOM OPEN; SIDES, IMPERVIOUS
NATURAL CHANNEL
REVISIONS
MARK
DATE
DESCRIPTION
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
SAN GABRIEL VALLEY
GROUND WATER CONTOURS
NOVEMBER 1958
BASE MAP M.K.I.
DRAWN M.K.I.
APPROVED
CHIEF ENGINEER
PRESENTED
CHECKED
SUBMITTED
RECOMMENDED
DIV. ENGR. WATER CONS.
ASST CHIEF ENGINEER
SCALE GRAPHIC
DATE JAN. 1960
NO. 6-H66
SHEET 1 OF 1

MAP XI



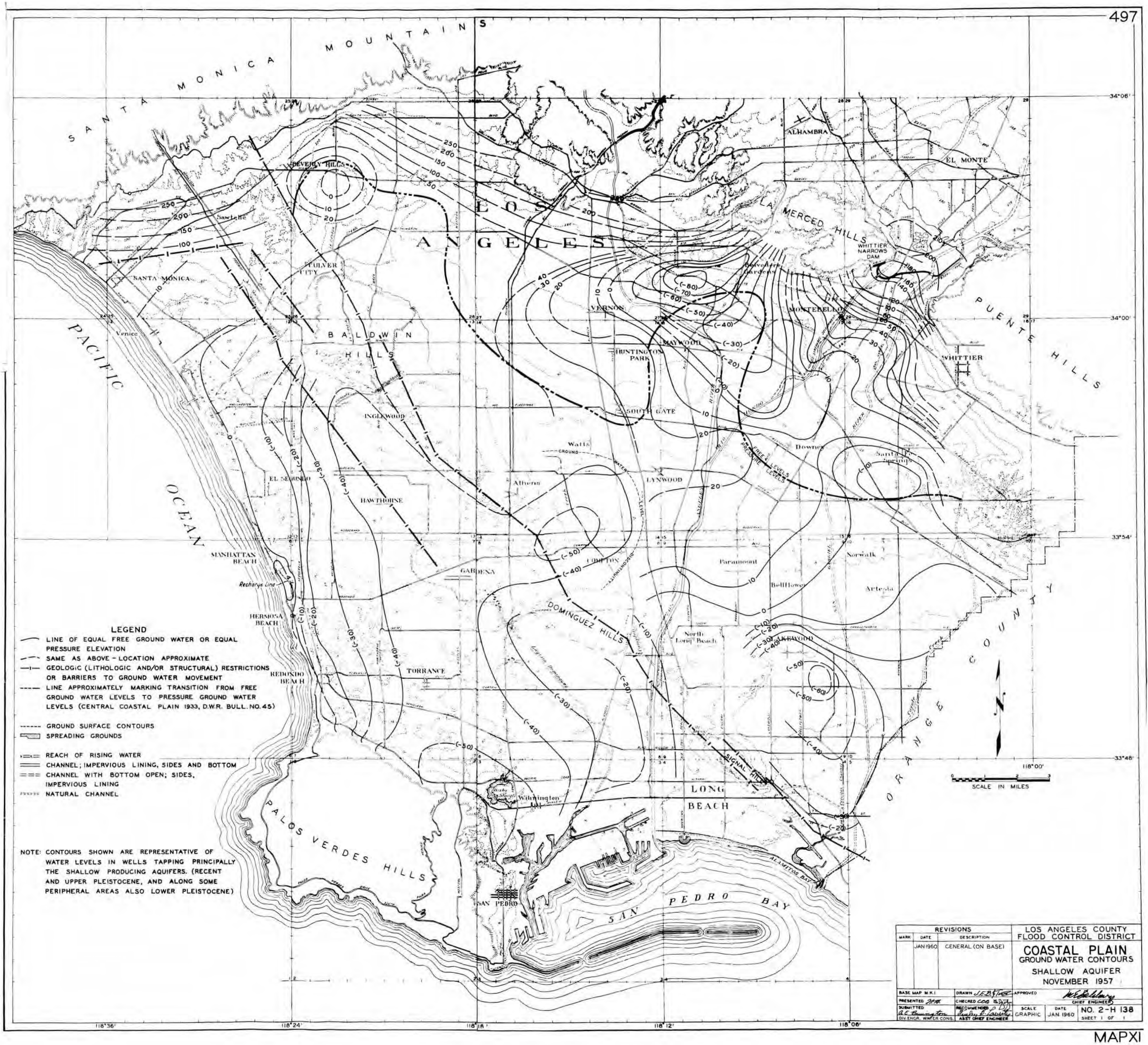
LEGEND

- LINES OF EQUAL FREE GROUND WATER ELEVATION (INTERPOLATED BETWEEN WELLS). LOCALLY THE WATER MAY BE UNDER PRESSURE.
- SAME AS ABOVE - LOCATION APPROXIMATE
- GEOLOGIC (LITHOLOGIC AND/OR STRUCTURAL) RESTRICTIONS OR BARRIERS TO GROUND WATER MOVEMENT
- GROUND SURFACE CONTOURS
- SPREADING GROUNDS

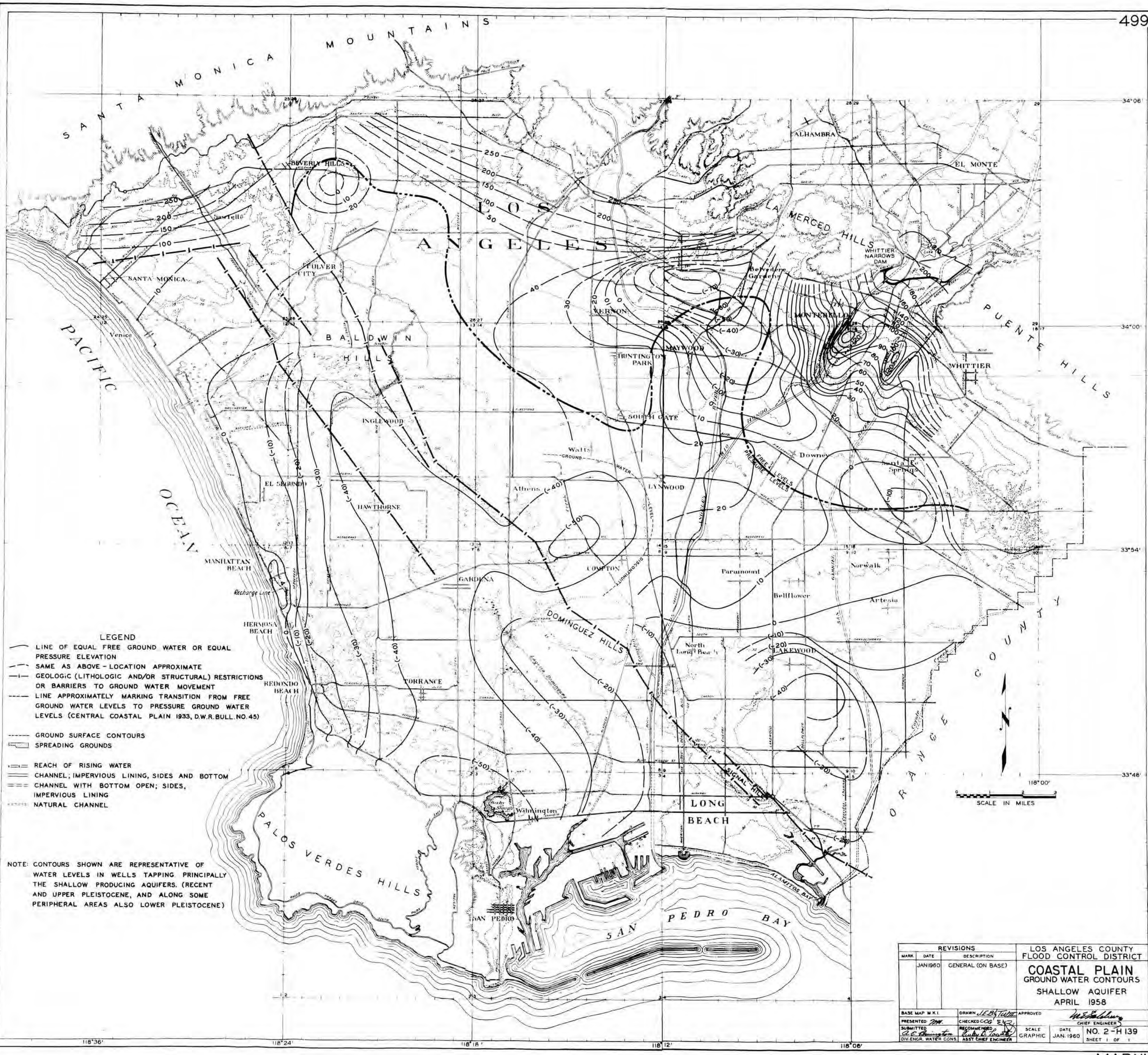
- REACH OF RISING WATER
- CHANNEL; IMPERVIOUS LINING, SIDES AND BOTTOM
- CHANNEL WITH BOTTOM OPEN: SIDES, IMPERVIOUS
- NATURAL CHANNEL

REVISIONS			LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
MARK	DATE	DESCRIPTION	SAN GABRIEL VALLEY GROUND WATER CONTOURS APRIL 1959
BASE MAP M.K.I.	DRAWN M.K.I. R.L.S.	APPROVED	CHIEF ENGINEER
PRESENTED	CHECKED C.C.G.		
SUBMITTED A.E. Robertson DIV. ENGR. WATER CONS.	RECOMMENDED Ralph E. Lauer ASST. CHIEF ENGINEER	SCALE GRAPHIC	DATE JAN. 1960
			NO. 6-H 67 SHEET 1 OF 1

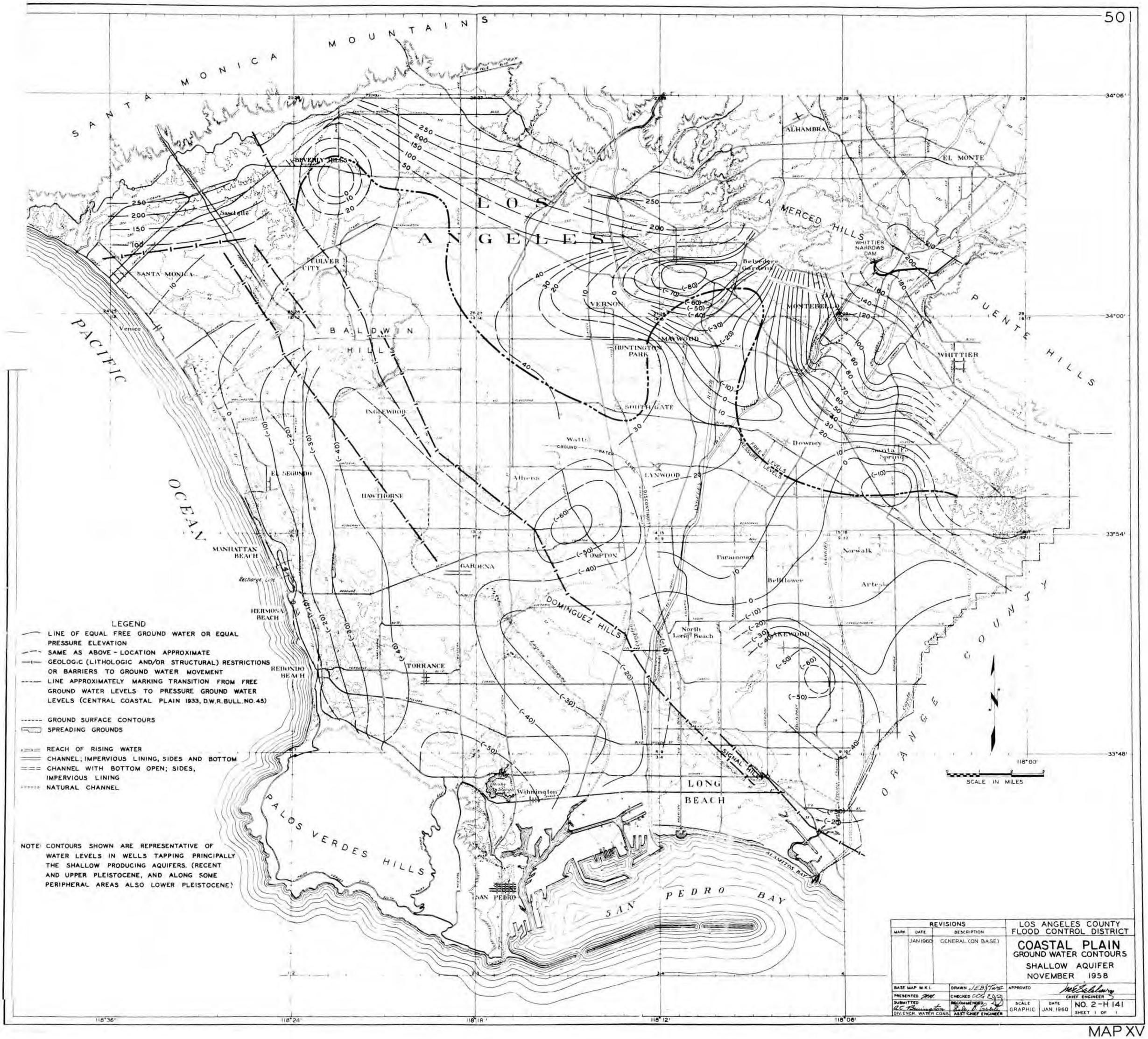
MAP XII


SANTA MONICA MOUNTAINS
LOS ANGELES
PACIFIC OCEAN
BALDWIN HILLS
LA MERCED HILLS
PUENTE HILLS
DOMINGUEZ HILLS
PALOS VERDES HILLS
SAN PEDRO BAY
ORANGE COUNTY
BEVERLY HILLS
SANTA MONICA
Venice
Sawtelle
CULVER CITY
INGLEWOOD
EL SEGUNDO
HAWTHORNE
MANHATTAN BEACH
Recharge Line
HERMOSA BEACH
REDONDO BEACH
TORRANCE
GARDENA
COMPTON
Athens
Watts
LYNWOOD
SOUTH GATE
HUNTINGTON PARK
MAYWOOD
VERNON
Belvedere Gardens
MONTEBELLO
WHITTIER NARROWS DAM
WHITTIER
EL MONTE
ALHAMBRA
Downey
Santa Fe Springs
Paramount
Norwalk
Bellflower
Artesia
North Long Beach
LAKEWOOD
LONG BEACH
Wilmington
SAN PEDRO
ALAMITOS BAY
FREE LEVELS
PRESSURE LEVELS
GROUND WATER LEVEL
DISCONTINUITY
SIGNAL HILL
34°06'
34°00'
33°54'
33°48'
118°00'
118°36'
118°24'
118°18'
118°12'
118°06'
SCALE IN MILES
LEGEND
LINE OF EQUAL FREE GROUND WATER OR EQUAL PRESSURE ELEVATION
SAME AS ABOVE - LOCATION APPROXIMATE
GEOLOGIC (LITHOLOGIC AND/OR STRUCTURAL) RESTRICTIONS OR BARRIERS TO GROUND WATER MOVEMENT
LINE APPROXIMATELY MARKING TRANSITION FROM FREE GROUND WATER LEVELS TO PRESSURE GROUND WATER LEVELS (CENTRAL COASTAL PLAIN 1933, D.W.R. BULL. NO. 45)
GROUND SURFACE CONTOURS
SPREADING GROUNDS
REACH OF RISING WATER
CHANNEL; IMPERVIOUS LINING, SIDES AND BOTTOM
CHANNEL WITH BOTTOM OPEN; SIDES, IMPERVIOUS LINING
NATURAL CHANNEL
NOTE: CONTOURS SHOWN ARE REPRESENTATIVE OF WATER LEVELS IN WELLS TAPPING PRINCIPALLY THE SHALLOW PRODUCING AQUIFERS. (RECENT AND UPPER PLEISTOCENE, AND ALONG SOME PERIPHERAL AREAS ALSO LOWER PLEISTOCENE)
REVISIONS
MARK DATE DESCRIPTION
JAN 1960 GENERAL (ON BASE)
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
COASTAL PLAIN
GROUND WATER CONTOURS
SHALLOW AQUIFER
NOVEMBER 1957
BASE MAP M.K.I.
DRAWN J.E.B. & Twee
APPROVED
PRESENTED
CHECKED
CHIEF ENGINEER
SUBMITTED
RECOMMENDED
DIV. ENGR. WATER CONS.
ASST CHIEF ENGINEER
SCALE GRAPHIC
DATE JAN. 1960
NO. 2-H 138
SHEET 1 OF 1

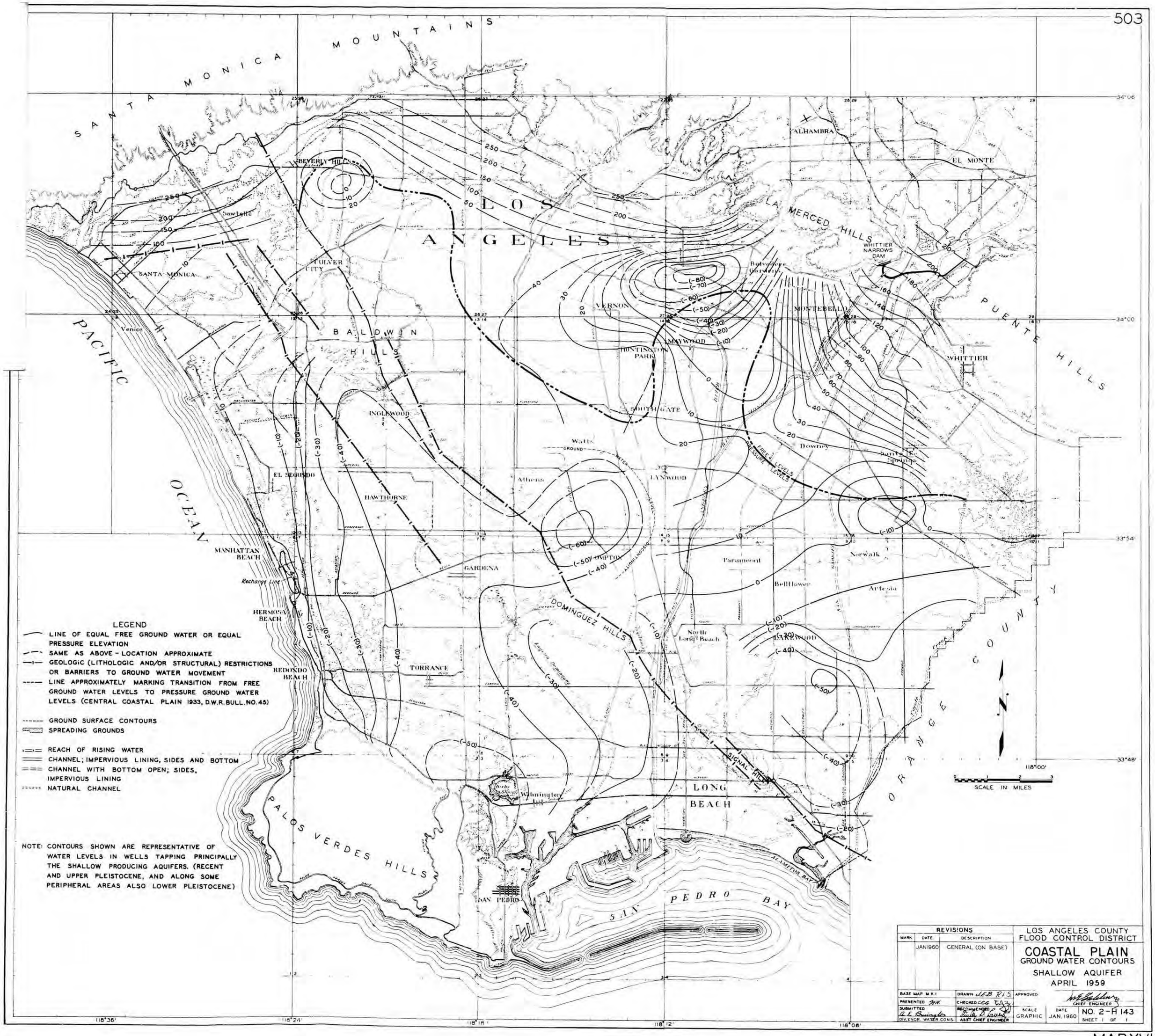
MAPXI


SANTA MONICA MOUNTAINS
LOS ANGELES
PACIFIC OCEAN
BALDWIN HILLS
LA MERCED HILLS
PUENTE HILLS
DOMINGUEZ HILLS
PALOS VERDES HILLS
SAN PEDRO BAY
ORANGE COUNTY
BEVERLY HILLS
SANTA MONICA
Venice
Sawtelle
CULVER CITY
INGLEWOOD
EL SEGUNDO
HAWTHORNE
MANHATTAN BEACH
Recharge Line
HERMOSA BEACH
REDONDO BEACH
TORRANCE
GARDENA
COMPTON
Athens
Watts
LYNWOOD
SOUTH GATE
HUNTINGTON PARK
MAYWOOD
VERNON
Belvedere Gardens
MONTEBELLO
WHITTIER NARROWS DAM
WHITTIER
ALHAMBRA
EL MONTE
Downey
Santa Fe Springs
Paramount
Bellflower
Norwalk
Artesia
North Long Beach
LAKEWOOD
LONG BEACH
Wilmington
SAN PEDRO
ALAMITOS BAY
SIGNAL HILL
FREE LEVELS
PRESSURE LEVELS
GROUND WATER LEVEL
DISCONTINUITY
LEGEND
LINE OF EQUAL FREE GROUND WATER OR EQUAL PRESSURE ELEVATION
SAME AS ABOVE - LOCATION APPROXIMATE
GEOLOGIC (LITHOLOGIC AND/OR STRUCTURAL) RESTRICTIONS OR BARRIERS TO GROUND WATER MOVEMENT
LINE APPROXIMATELY MARKING TRANSITION FROM FREE GROUND WATER LEVELS TO PRESSURE GROUND WATER LEVELS (CENTRAL COASTAL PLAIN 1933, D.W.R. BULL. NO. 45)
GROUND SURFACE CONTOURS
SPREADING GROUNDS
REACH OF RISING WATER
CHANNEL; IMPERVIOUS LINING, SIDES AND BOTTOM
CHANNEL WITH BOTTOM OPEN; SIDES, IMPERVIOUS LINING
NATURAL CHANNEL
NOTE: CONTOURS SHOWN ARE REPRESENTATIVE OF WATER LEVELS IN WELLS TAPPING PRINCIPALLY THE SHALLOW PRODUCING AQUIFERS. (RECENT AND UPPER PLEISTOCENE, AND ALONG SOME PERIPHERAL AREAS ALSO LOWER PLEISTOCENE)
SCALE IN MILES
34°06'
34°00'
33°54'
33°48'
118°36'
118°24'
118°18'
118°12'
118°06'
118°00'
REVISIONS
MARK
DATE
DESCRIPTION
JAN 1960
GENERAL (ON BASE)
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
COASTAL PLAIN
GROUND WATER CONTOURS
SHALLOW AQUIFER
APRIL 1958
BASE MAP M.K.I.
DRAWN J.E.B. & T.W.III
APPROVED
PRESENTED
CHECKED CCG
CHIEF ENGINEER
SUBMITTED
RECOMMENDED
DIV. ENGR. WATER CONS.
ASST CHIEF ENGINEER
SCALE GRAPHIC
DATE JAN. 1960
NO. 2-H 139
SHEET 1 OF 1

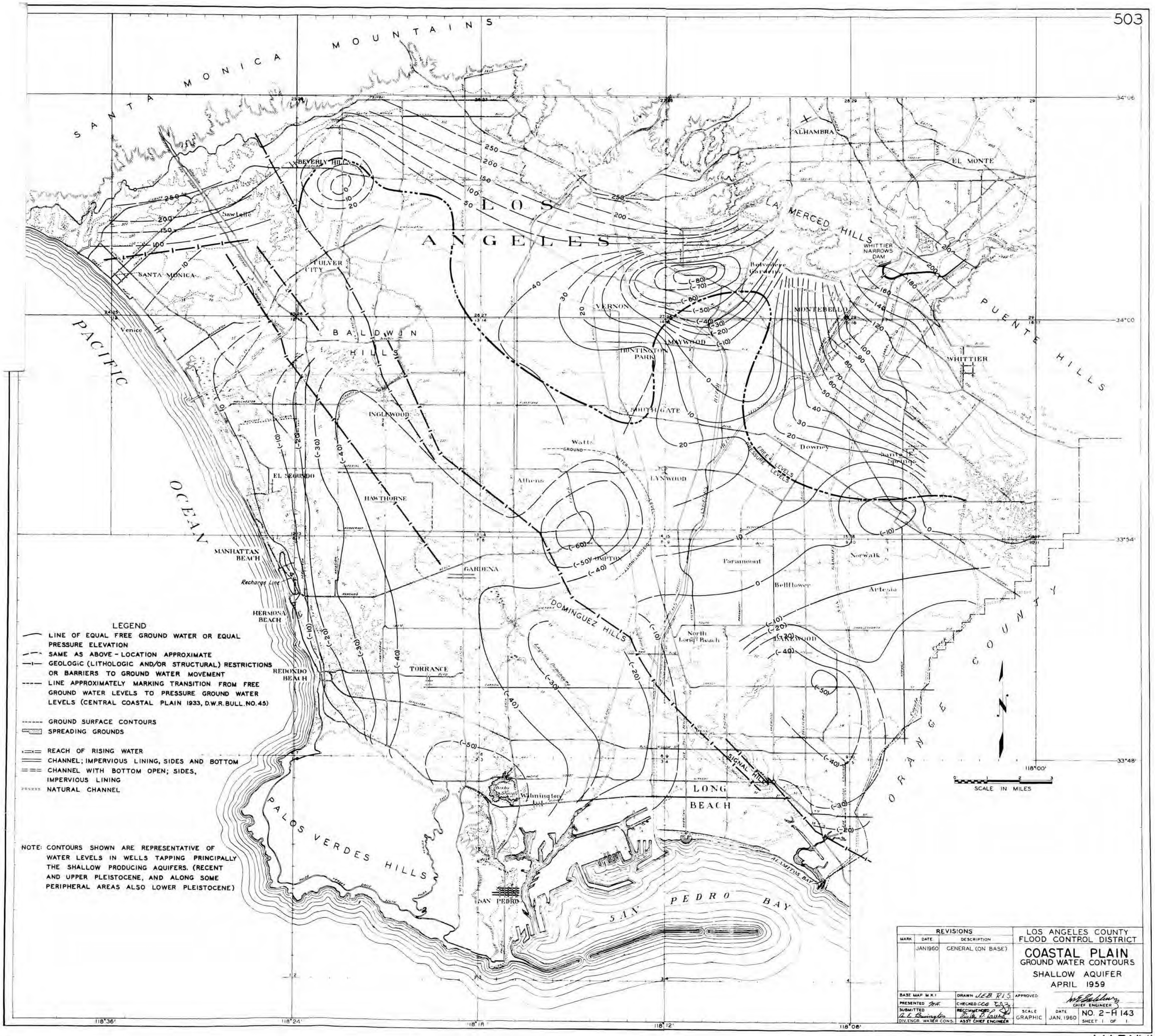
MAP XIV


SANTA MONICA MOUNTAINS
LOS ANGELES
PACIFIC OCEAN
BALDWIN HILLS
LA MERCED HILLS
PUENTE HILLS
DOMINGUEZ HILLS
PALOS VERDES HILLS
SAN PEDRO BAY
ORANGE COUNTY
BEVERLY HILLS
Sawtelle
SANTA MONICA
Venice
CULVER CITY
INGLEWOOD
EL SEGUNDO
HAWTHORNE
MANHATTAN BEACH
Recharge Line
HERMOSA BEACH
REDONDO BEACH
TORRANCE
GARDENA
COMPTON
Athens
Watts
LYNWOOD
SOUTH GATE
HUNTINGTON PARK
MAYWOOD
VERNON
Belvedere Gardens
MONTEBELLO
WHITTIER NARROWS DAM
WHITTIER
ALHAMBRA
EL MONTE
Downey
Santa Fe Springs
Paramount
Norwalk
Bellflower
Artesia
North Long Beach
LAKEWOOD
LONG BEACH
Wilmington
SAN PEDRO
ALAMITOS BAY
GROUND WATER LEVEL
DISCONTINUITY
FREE LEVELS
PRESSURE LEVELS
34°06'
34°00'
33°54'
33°48'
118°00'
118°36'
118°24'
118°18'
118°12'
118°06'
SCALE IN MILES
LEGEND
LINE OF EQUAL FREE GROUND WATER OR EQUAL PRESSURE ELEVATION
SAME AS ABOVE - LOCATION APPROXIMATE
GEOLOGIC (LITHOLOGIC AND/OR STRUCTURAL) RESTRICTIONS OR BARRIERS TO GROUND WATER MOVEMENT
LINE APPROXIMATELY MARKING TRANSITION FROM FREE GROUND WATER LEVELS TO PRESSURE GROUND WATER LEVELS (CENTRAL COASTAL PLAIN 1933, D.W.R. BULL. NO. 45)
GROUND SURFACE CONTOURS
SPREADING GROUNDS
REACH OF RISING WATER
CHANNEL; IMPERVIOUS LINING, SIDES AND BOTTOM
CHANNEL WITH BOTTOM OPEN; SIDES, IMPERVIOUS LINING
NATURAL CHANNEL
NOTE: CONTOURS SHOWN ARE REPRESENTATIVE OF WATER LEVELS IN WELLS TAPPING PRINCIPALLY THE SHALLOW PRODUCING AQUIFERS. (RECENT AND UPPER PLEISTOCENE, AND ALONG SOME PERIPHERAL AREAS ALSO LOWER PLEISTOCENE)
REVISIONS
MARK DATE DESCRIPTION
JAN 1960 GENERAL (ON BASE)
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
COASTAL PLAIN
GROUND WATER CONTOURS
SHALLOW AQUIFER
NOVEMBER 1958
BASE MAP M.K.I.
DRAWN J.E.B. & Twe
APPROVED
PRESENTED
CHECKED
CHIEF ENGINEER
SUBMITTED
RECOMMENDED
DIV. ENGR. WATER CONS.
ASST. CHIEF ENGINEER
SCALE GRAPHIC
DATE JAN. 1960
NO. 2-H 141
SHEET 1 OF 1

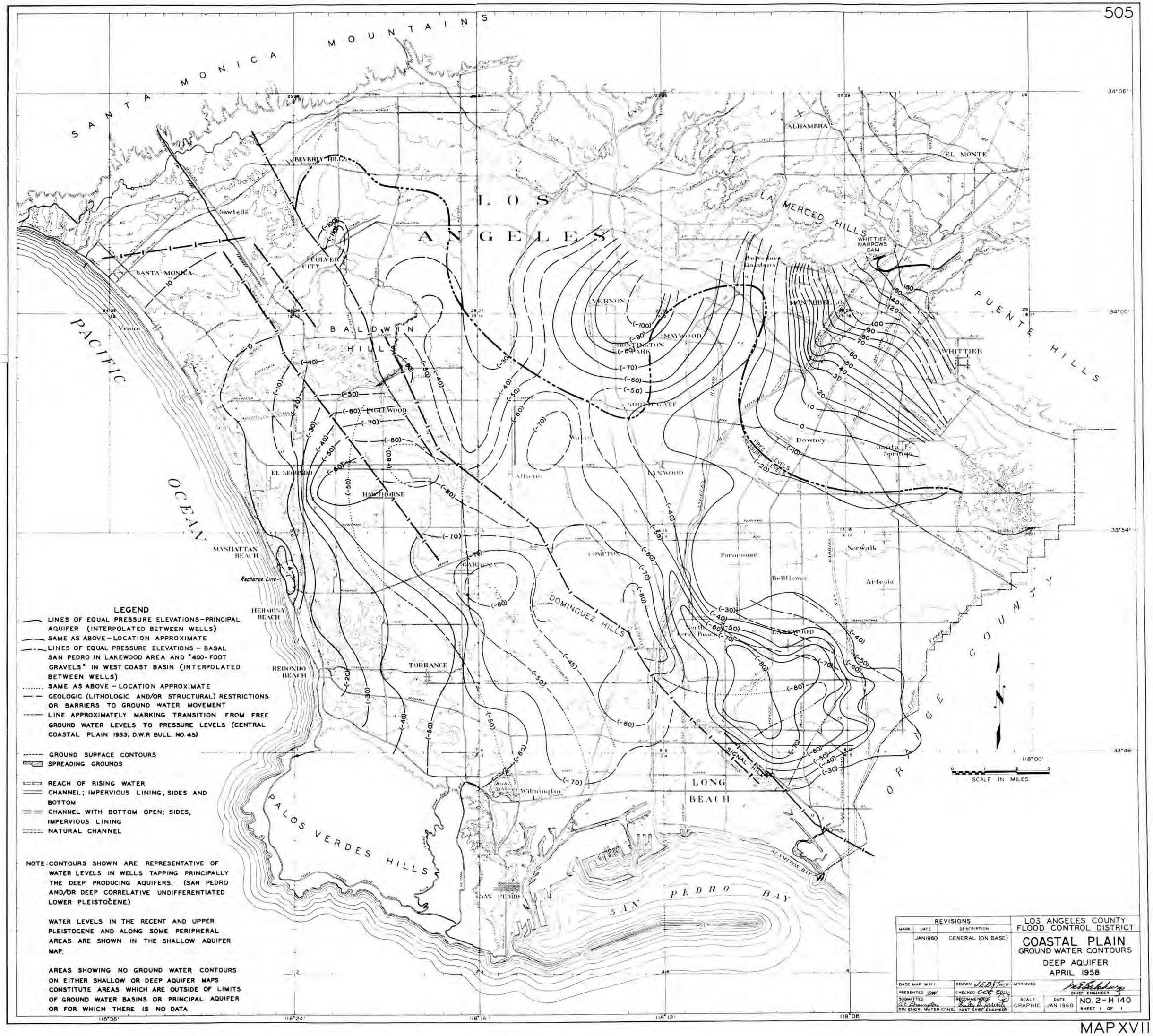
MAP XV


SANTA MONICA MOUNTAINS
LOS ANGELES
PACIFIC OCEAN
BEVERLY HILLS
Sawtelle
SANTA MONICA
CULVER CITY
Venice
BALDWIN HILLS
INGLEWOOD
EL SEGUNDO
HAWTHORNE
MANHATTAN BEACH
Recharge Line
HERMOSA BEACH
REDONDO BEACH
TORRANCE
GARDENA
DOMINGUEZ HILLS
Watts
Athens
LYNWOOD
COMPTON
SOUTH GATE
HUNTINGTON PARK
MAYWOOD
VERNON
Belvedere Gardens
MONTEBELLO
LA MERCED HILLS
WHITTIER NARROWS DAM
ALHAMBRA
EL MONTE
PUENTE HILLS
WHITTIER
Downey
Santa Fe Springs
Paramount
Norwalk
Bellflower
Artesia
North Long Beach
LAKEWOOD
SIGNAL HILL
LONG BEACH
Wilmington
SAN PEDRO
PALOS VERDES HILLS
SAN PEDRO BAY
ALAMITOS BAY
ORANGE COUNTY
FREE LEVELS
PRESSURE LEVELS
GROUND WATER LEVEL
DISCONTINUITY
SCALE IN MILES
34°06'
34°00'
33°54'
33°48'
118°36'
118°24'
118°18'
118°12'
118°06'
118°00'
LEGEND
LINE OF EQUAL FREE GROUND WATER OR EQUAL PRESSURE ELEVATION
SAME AS ABOVE - LOCATION APPROXIMATE
GEOLOGIC (LITHOLOGIC AND/OR STRUCTURAL) RESTRICTIONS OR BARRIERS TO GROUND WATER MOVEMENT
LINE APPROXIMATELY MARKING TRANSITION FROM FREE GROUND WATER LEVELS TO PRESSURE GROUND WATER LEVELS (CENTRAL COASTAL PLAIN 1933, D.W.R. BULL. NO. 45)
GROUND SURFACE CONTOURS
SPREADING GROUNDS
REACH OF RISING WATER
CHANNEL; IMPERVIOUS LINING, SIDES AND BOTTOM
CHANNEL WITH BOTTOM OPEN; SIDES, IMPERVIOUS LINING
NATURAL CHANNEL
NOTE: CONTOURS SHOWN ARE REPRESENTATIVE OF WATER LEVELS IN WELLS TAPPING PRINCIPALLY THE SHALLOW PRODUCING AQUIFERS. (RECENT AND UPPER PLEISTOCENE, AND ALONG SOME PERIPHERAL AREAS ALSO LOWER PLEISTOCENE)
REVISIONS
MARK | DATE | DESCRIPTION
JAN 1960 | GENERAL (ON BASE)
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
COASTAL PLAIN
GROUND WATER CONTOURS
SHALLOW AQUIFER
APRIL 1959
BASE MAP M.K.I.
DRAWN J.E.B. R.L.S.
APPROVED
PRESENTED
CHECKED
CHIEF ENGINEER
SUBMITTED
RECOMMENDED
DIV. ENGR. WATER CONS.
ASST CHIEF ENGINEER
SCALE GRAPHIC
DATE JAN. 1960
NO. 2-H 143
SHEET 1 OF 1

MAP XVI


SANTA MONICA MOUNTAINS
LOS ANGELES
PACIFIC OCEAN
BALDWIN HILLS
LA MERCED HILLS
PUENTE HILLS
DOMINGUEZ HILLS
PALOS VERDES HILLS
SAN PEDRO BAY
ORANGE COUNTY
BEVERLY HILLS
SANTA MONICA
Sawtelle
CULVER CITY
Venice
INGLEWOOD
EL SEGUNDO
HAWTHORNE
MANHATTAN BEACH
Recharge Line
HERMOSA BEACH
REDONDO BEACH
TORRANCE
GARDENA
COMPTON
Athens
Watts
LYNWOOD
SOUTH GATE
HUNTINGTON PARK
MAYWOOD
VERNON
Belvedere Gardens
MONTEBELLO
ALHAMBRA
EL MONTE
WHITTIER NARROWS DAM
WHITTIER
Downey
Santa Fe Springs
Paramount
Norwalk
Bellflower
Artesia
North Long Beach
LAKEWOOD
LONG BEACH
Wilmington
SAN PEDRO
ALAMITOS BAY
SIGNAL HILL
FREE LEVELS
PRESSURE LEVELS
GROUND WATER LEVEL
DISCONTINUITY
SCALE IN MILES
34°06'
34°00'
33°54'
33°48'
118°00'
118°36'
118°24'
118°18'
118°12'
118°06'
LEGEND
LINE OF EQUAL FREE GROUND WATER OR EQUAL PRESSURE ELEVATION
SAME AS ABOVE - LOCATION APPROXIMATE
GEOLOGIC (LITHOLOGIC AND/OR STRUCTURAL) RESTRICTIONS OR BARRIERS TO GROUND WATER MOVEMENT
LINE APPROXIMATELY MARKING TRANSITION FROM FREE GROUND WATER LEVELS TO PRESSURE GROUND WATER LEVELS (CENTRAL COASTAL PLAIN 1933, D.W.R. BULL. NO. 45)
GROUND SURFACE CONTOURS
SPREADING GROUNDS
REACH OF RISING WATER
CHANNEL; IMPERVIOUS LINING, SIDES AND BOTTOM
CHANNEL WITH BOTTOM OPEN; SIDES, IMPERVIOUS LINING
NATURAL CHANNEL
NOTE: CONTOURS SHOWN ARE REPRESENTATIVE OF WATER LEVELS IN WELLS TAPPING PRINCIPALLY THE SHALLOW PRODUCING AQUIFERS. (RECENT AND UPPER PLEISTOCENE, AND ALONG SOME PERIPHERAL AREAS ALSO LOWER PLEISTOCENE)
REVISIONS
MARK | DATE | DESCRIPTION
JAN 1960 | GENERAL (ON BASE)
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
COASTAL PLAIN
GROUND WATER CONTOURS
SHALLOW AQUIFER
APRIL 1959
BASE MAP M.K.I.
PRESENTED
SUBMITTED
DIV. ENGR. WATER CONS.
DRAWN J.E.B. R.L.S.
CHECKED CCG
RECOMMENDED
ASST CHIEF ENGINEER
APPROVED
CHIEF ENGINEER
SCALE GRAPHIC
DATE JAN. 1960
NO. 2-H 143
SHEET 1 OF 1

MAP XVI


SANTA MONICA MOUNTAINS
LOS ANGELES
BEVERLY HILLS
Sawtelle
SANTA MONICA
CULVER CITY
Venice
BALDWIN HILLS
PACIFIC OCEAN
INGLEWOOD
EL SEGUNDO
HAWTHORNE
MANHATTAN BEACH
Recharge Line
HERMOSA BEACH
REDONDO BEACH
TORRANCE
GARDENA
COMPTON
DOMINGUEZ HILLS
VERNON
HUNTINGTON PARK
MAYWOOD
SOUTH GATE
Watts
Athens
LYNWOOD
Belvedere Gardens
MONTEBELLO
LA MERCED HILLS
WHITTIER NARROWS DAM
ALHAMBRA
EL MONTE
PUENTE HILLS
WHITTIER
Downey
Santa Fe Springs
FREE LEVELS
PRESSURE LEVELS
Paramount
Norwalk
Bellflower
Artesia
North Long Beach
LAKEWOOD
SIGNAL HILL
LONG BEACH
Wilmington
PALOS VERDES HILLS
SAN PEDRO
SAN PEDRO BAY
ALAMITOS BAY
ORANGE COUNTY
SCALE IN MILES
34°06'
34°00'
33°54'
33°48'
118°36'
118°24'
118°18'
118°12'
118°06'
118°00'
LEGEND
LINES OF EQUAL PRESSURE ELEVATIONS–PRINCIPAL AQUIFER (INTERPOLATED BETWEEN WELLS)
SAME AS ABOVE–LOCATION APPROXIMATE
LINES OF EQUAL PRESSURE ELEVATIONS – BASAL SAN PEDRO IN LAKEWOOD AREA AND "400-FOOT GRAVELS" IN WEST COAST BASIN (INTERPOLATED BETWEEN WELLS)
SAME AS ABOVE – LOCATION APPROXIMATE
GEOLOGIC (LITHOLOGIC AND/OR STRUCTURAL) RESTRICTIONS OR BARRIERS TO GROUND WATER MOVEMENT
LINE APPROXIMATELY MARKING TRANSITION FROM FREE GROUND WATER LEVELS TO PRESSURE LEVELS (CENTRAL COASTAL PLAIN 1933, D.W.R BULL. NO. 45)
GROUND SURFACE CONTOURS
SPREADING GROUNDS
REACH OF RISING WATER
CHANNEL; IMPERVIOUS LINING, SIDES AND BOTTOM
CHANNEL WITH BOTTOM OPEN; SIDES, IMPERVIOUS LINING
NATURAL CHANNEL
NOTE: CONTOURS SHOWN ARE REPRESENTATIVE OF WATER LEVELS IN WELLS TAPPING PRINCIPALLY THE DEEP PRODUCING AQUIFERS. (SAN PEDRO AND/OR DEEP CORRELATIVE UNDIFFERENTIATED LOWER PLEISTOCENE)
WATER LEVELS IN THE RECENT AND UPPER PLEISTOCENE AND ALONG SOME PERIPHERAL AREAS ARE SHOWN IN THE SHALLOW AQUIFER MAP.
AREAS SHOWING NO GROUND WATER CONTOURS ON EITHER SHALLOW OR DEEP AQUIFER MAPS CONSTITUTE AREAS WHICH ARE OUTSIDE OF LIMITS OF GROUND WATER BASINS OR PRINCIPAL AQUIFER OR FOR WHICH THERE IS NO DATA
REVISIONS
MARK DATE DESCRIPTION
JAN 1960 GENERAL (ON BASE)
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
COASTAL PLAIN
GROUND WATER CONTOURS
DEEP AQUIFER
APRIL 1958
BASE MAP M.K.I.
DRAWN J.E.B. & Turn
APPROVED
PRESENTED
CHECKED
CHIEF ENGINEER
SUBMITTED
RECOMMENDED
DIV. ENGR. WATER CONS.
ASST CHIEF ENGINEER
SCALE GRAPHIC
DATE JAN. 1960
NO. 2-H 140
SHEET 1 OF 1

MAP XVII

COASTAL PLAIN GROUND WATER CONTOURS DEEP AQUIFER APRIL 1959

SANTA MONICA MOUNTAINS

LOS ANGELES

PACIFIC OCEAN

LA MERCED HILLS

PUENTE HILLS

DOMINGUEZ HILLS

PALOS VERDES HILLS

BALDWIN HILLS

SIGNAL HILL

ORANGE COUNTY

SAN PEDRO BAY

ALAMITOS BAY

BEVERLY HILLS

Sawtelle

SANTA MONICA

CULVER CITY

Venice

MANHATTAN BEACH

HERMOSA BEACH

REDONDO BEACH

TORRANCE

Recharge Line

INGLEWOOD

EL SEGUNDO

HAWTHORNE

GARDENA

COMPTON

ATHERTON

VERNON

HUNTINGTON PARK

MAYWOOD

SOUTH GATE

LYNWOOD

Belvedere Gardens

ALHAMBRA

EL MONTE

WHITTIER NARROWS DAM

MONTEBELLO

WHITTIER

Downey

Santa Fe Springs

Norwalk

Paramount

Bellflower

Artesia

North Long Beach

LAKEWOOD

LONG BEACH

Wilmington

San Pedro

FREE & PRESSURE LEVELS

34°06

34°00

33°54

33°48

118°36'

118°24'

118°18'

118°12'

118°06'

118°00'

SCALE IN MILES

LEGEND

- LINES OF EQUAL PRESSURE ELEVATIONS - PRINCIPAL AQUIFER (INTERPOLATED BETWEEN WELLS)
- SAME AS ABOVE - LOCATION APPROXIMATE
- LINES OF EQUAL PRESSURE ELEVATIONS - BASAL SAN PEDRO IN LAKEWOOD AREA AND "400-FOOT GRAVELS" IN WEST COAST BASIN (INTERPOLATED BETWEEN WELLS)
- SAME AS ABOVE - LOCATION APPROXIMATE
- GEOLOGIC (LITHOLOGIC AND/OR STRUCTURAL) RESTRICTIONS OR BARRIERS TO GROUND WATER MOVEMENT
- LINE APPROXIMATELY MARKING TRANSITION FROM FREE GROUND WATER LEVELS TO PRESSURE LEVELS (CENTRAL COASTAL PLAIN 1933, D.W.R BULL. NO. 45)
- GROUND SURFACE CONTOURS
- SPREADING GROUNDS
- REACH OF RISING WATER
- CHANNEL; IMPERVIOUS LINING, SIDES AND BOTTOM
- CHANNEL WITH BOTTOM OPEN; SIDES, IMPERVIOUS LINING
- NATURAL CHANNEL

NOTE: CONTOURS SHOWN ARE REPRESENTATIVE OF WATER LEVELS IN WELLS TAPPING PRINCIPALLY THE DEEP PRODUCING AQUIFERS. (SAN PEDRO AND/OR DEEP CORRELATIVE UNDIFFERENTIATED LOWER PLEISTOCENE)

WATER LEVELS IN THE RECENT AND UPPER PLEISTOCENE AND ALONG SOME PERIPHERAL AREAS ARE SHOWN IN THE SHALLOW AQUIFER MAP.

AREAS SHOWING NO GROUND WATER CONTOURS ON EITHER SHALLOW OR DEEP AQUIFER MAPS CONSTITUTE AREAS WHICH ARE OUTSIDE OF LIMITS OF GROUND WATER BASINS OR PRINCIPAL AQUIFER OR FOR WHICH THERE IS NO DATA

REVISIONS		
MARK	DATE	DESCRIPTION
	JAN 1960	GENERAL (ON BASE)

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

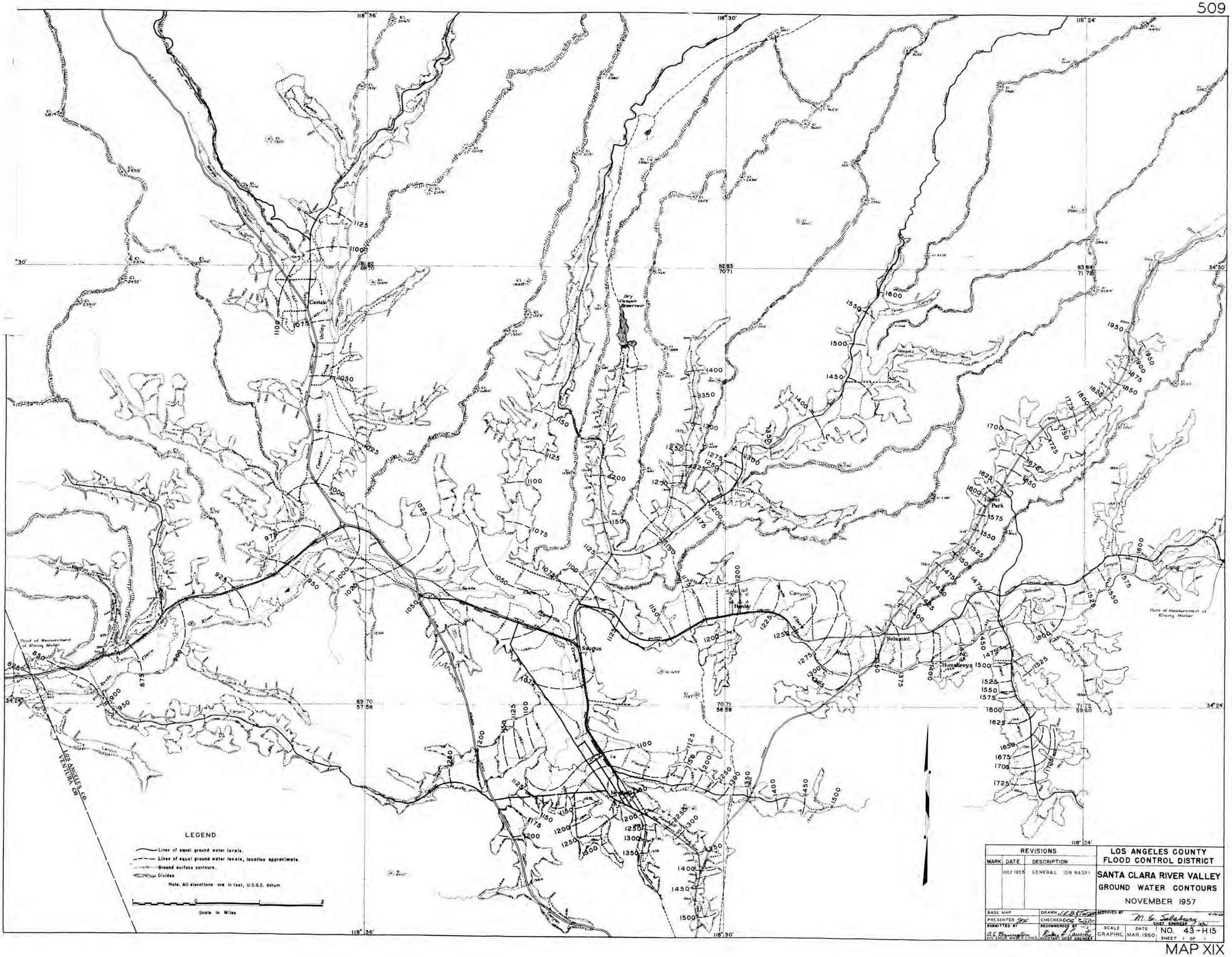
BASE MAP M.K.I. — DRAWN JEB R.L.S — APPROVED — CHIEF ENGINEER

PRESENTED — CHECKED COC

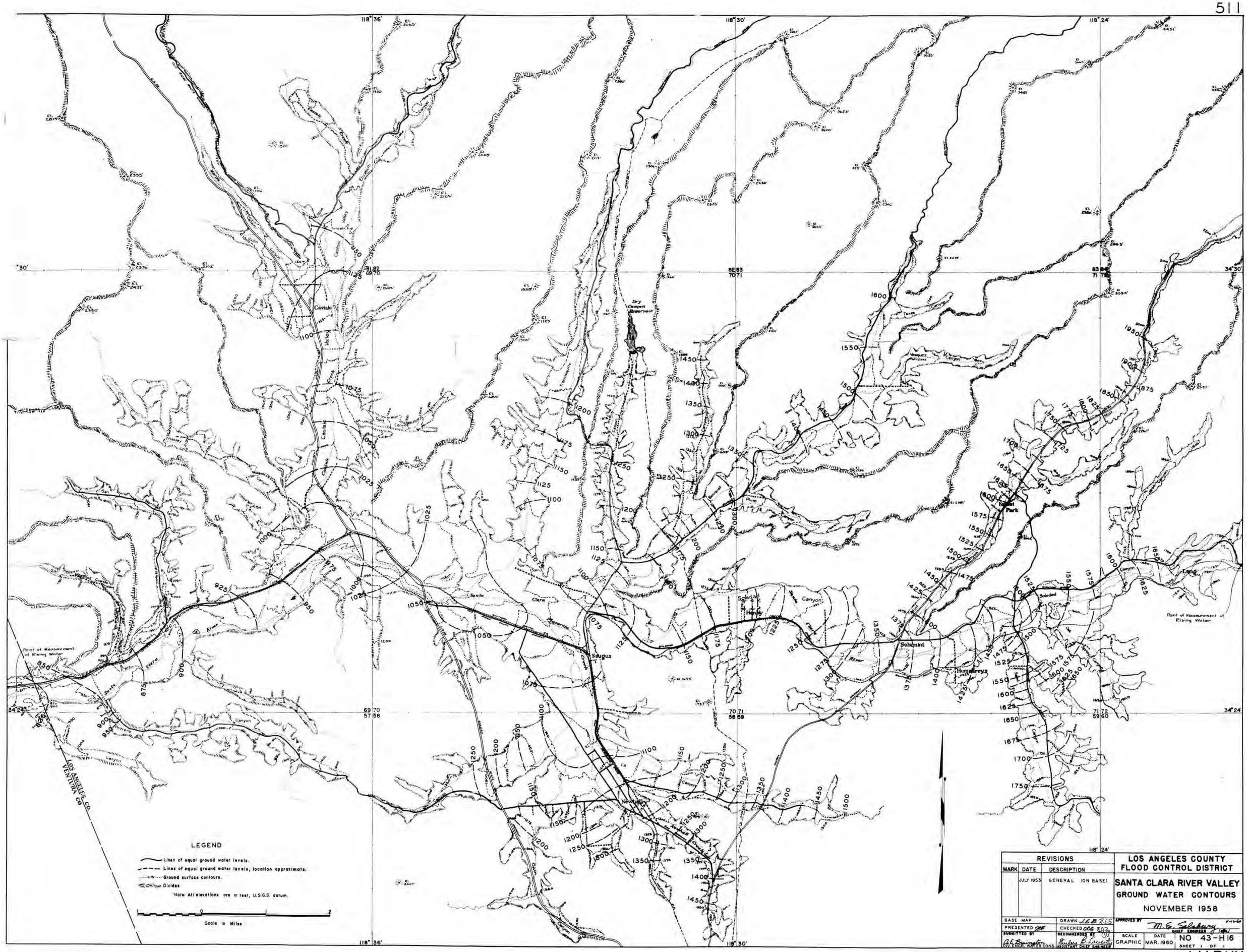
SUBMITTED A.E. Bruington, DIV. ENGR. WATER CONS. — RECOMMENDED — ASST. CHIEF ENGINEER

SCALE GRAPHIC — DATE JAN. 1960 — NO. 2-H 142 — SHEET 1 OF 1

MAPXVIII


LEGEND
Lines of equal ground water levels.
Lines of equal ground water levels, location approximate.
Ground surface contours.
Divides
Note: All elevations are in feet, U.S.G.S. datum.
Scale in Miles
Point of Measurement of Rising Water
Dry Canyon Reservoir
Castaic
Saugus
Solamint
Humphreys
Forest Park
Lang
LOS ANGELES CO
VENTURA CO
118° 36'
118° 30'
118° 24'
34° 30'
34° 24'
REVISIONS
MARK
DATE
DESCRIPTION
JULY 1953
GENERAL (ON BASE)
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
SANTA CLARA RIVER VALLEY
GROUND WATER CONTOURS
NOVEMBER 1957
BASE MAP
PRESENTED
SUBMITTED BY
DRAWN
CHECKED
RECOMMENDED BY
APPROVED BY
CHIEF ENGINEER
SCALE
GRAPHIC
DATE
MAR. 1960
NO. 43-H15
SHEET 1 OF 1

MAP XIX


LEGEND
Lines of equal ground water levels.
Lines of equal ground water levels, location approximate.
Ground surface contours.
Divides
Note: All elevations are in feet, U.S.G.S. datum.
Scale in Miles
Point of Measurement of Rising Water
Castaic
Saugus
Newhall
Solamint
Humphreys
Dry Canyon Reservoir
LOS ANGELES CO.
VENTURA CO.
118° 36'
118° 30'
118° 24'
34° 30'
34° 24'
REVISIONS
MARK
DATE
DESCRIPTION
JULY 1953
GENERAL (ON BASE)
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
SANTA CLARA RIVER VALLEY
GROUND WATER CONTOURS
NOVEMBER 1958
BASE MAP
DRAWN J.E.B. R.L.S.
PRESENTED
CHECKED
SUBMITTED BY
RECOMMENDED BY
APPROVED BY
CHIEF ENGINEER
SCALE
GRAPHIC
DATE
MAR. 1960
NO 43-H16
SHEET 1 OF 1

MAP XX

STATE OF CALIFORNIA
DEPARTMENT OF WATER RESOURCES
SOUTHERN CALIFORNIA DISTRICT

ANTELOPE VALLEY AREA

LINES OF EQUAL ELEVATION OF GROUND WATER AT WELLS FALL 1957

SCALE OF MILES
0 2 4

1960

LEGEND

- GROUND WATER BASIN BOUNDARY
- 2300 — SURFACE CONTOUR — U.S.G.S. DATUM
- 2400 — LINE OF EQUAL ELEVATION OF GROUND WATER (DASHED WHERE APPROXIMATELY LOCATED)
- A LANCASTER BASIN
- B NEENACH BASIN
- C BUTTES BASIN
- D ROCK CREEK BASIN

MAP XXI

STATE OF CALIFORNIA
DEPARTMENT OF WATER RESOURCES
SOUTHERN CALIFORNIA DISTRICT

ANTELOPE VALLEY AREA

LINES OF EQUAL ELEVATION OF GROUND WATER AT WELLS FALL 1958

SCALE OF MILES
2 0 2 4
1960

LEGEND

- GROUND WATER BASIN BOUNDARY
- 2300 — SURFACE CONTOUR - U.S.G.S. DATUM
- 2400 — LINE OF EQUAL ELEVATION OF GROUND WATER (DASHED WHERE APPROXIMATELY LOCATED)
- A LANCASTER BASIN
- B NEENACH BASIN
- C BUTTES BASIN
- D ROCK CREEK BASIN

MAP XXII