LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

HYDRAULIC DIVISION

REPORT TO H. E. HEDGER, CHIEF ENGINEER
BIENNIAL REPORT
ON
HYDROLOGIC DATA
SEASONS 1955-56 AND 1956-57

Los Angeles County Flood Control District
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FINLEY B. LAVERTY, CHIEF - HYDRAULIC DIVISION

JULY 1, 1958

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

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H. E. HEDGER
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CAPITOL 2-8151

July 1, 1958

FILE NO. 2-40.04
SUBJECT Biennial Report on Hydrologic Data Seasons 1955-56 and 1956-57

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 1955-56 and 1956-57. This report is the twenty-first of a series of annual or biennial reports which have been published covering thirty years of record.

This report assembles data collected and compiled by the District's Hydraulic Division on precipitation, evaporation, runoff, dam operation, 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,

H. E. Hedger

H. E. Hedger, Chief Engineer

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

HYDRAULIC DIVISION

July 1, 1958

2-40.04
Subject: Biennial Report on Hydrologic Data Seasons 1955-56 and 1956-57

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

Dear Mr. Hedger:

Transmitted herewith is the ''Biennial Report on Hydrologic Data'' for the Seasons 1955-56 and 1956-57. This report includes data collected and compiled by the Hydraulic Division 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 records of 519 stations in 1955-56 and 520 in 1956-57 of which 97% and 98%, respectively, furnished complete seasonal records. Four hundred forty stations have a continuous record for 15 years or longer, including 36 stations which have a continuous record for over 50 years.

Presented in this report are rainfall intensity records for 10 representative automatic rain gage stations which show maximum amounts for periods varying from five minutes to 24 hours for the 1955-56 and 1956-57 seasons.

Seasonal precipitation for the Los Angeles County was 82% of the 80-year average for the 1955-56 season and 73% for the 1956-57 season. The 1951-52 season was the lone producer of above-normal rainfall during the past 13 years.

Two storms of consequence occurred during the seasons 1955-56 and 1956-57. On January 25-26, 1956, the southwest portion of the County received rainfall amounts which would recur once in 50 years, and on February 23, 1957 the Beverly Hills-Hollywood area experienced a rainfall frequency of once in about 100 years. Rainfall of 0.01 inches or more occurred at Los Angeles on 20 days during the 1955-56 season and on 24 days during the 1956-57 season.

Seasonal rainfall distribution throughout the County is shown by the following relation to the 80-year normal indices for four areas of the County:

Area	% of Normal Rainfall 1955-56	1956-57
1. San Gabriel Mountain Area	71	69
2. Valley and Coastal Plain	97	72
3. Santa Monica Mountains	99	73
4. Desert Area	74	76

Snow surveys were made at 14 and 11 snow courses about April 1, 1956 and 1957, respectively. Upper Thunder Mountain course at an elevation of 8500 feet in San Antonio Canyon drainage area averaged a snow depth of 23 inches, water content of 7.6 inches, in 1956, and snow depth of 20 inches, water content 9.5 inches, in 1957.

Evaporation records were received each month from 23 stations during the 1955-56 and 1956-57 seasons. Maximum evaporation occurred at Fairmont, in the Antelope Valley for the 1955-56 and 1956-57 seasons of 100.81 and 101.97 inches, respectively. Minimum seasonal amounts of 38.47 inches in 1955-56 and 41.15 inches in 1956-57 occurred at La Fresa near Gardena, and Big Dalton Dam, respectively.

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

During 1955-56 and 1956-57, the District operated 90 recording stream flow stations located on main streams and tributary channels. Twenty-four of these stations are in the Los Angeles River drainage area, 28 are in the San Gabriel River drainage area, 24 are located in the Rio Hondo drainage area, and 16 are located in the remaining important drainage areas. Records obtained from these stations are supplemented by 13 stations operated by the United States Geological Survey, Water Resources Branch, 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, and one operated by the California State Division of Water Resources. 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.

Generally, runoff from storm peaks during the 1955-56 and 1956-57 seasons was average or below average. The exception to this was the January 26, 1956 storm which produced maximum or near maximum peak flows in the southwest section of the County. The storm of February 23, 1957 produced peak flows considerably above average.

The 1955-56 and 1956-57 seasons produced below average runoff throughout the District, with the exception of valley runoff from the subdivided and

industrialized impervious areas. The San Gabriel River above the canyon mouth produced 36,230 acre-feet, or 33% of average, for the 1955-56 season and 37,870 acre-feet, of 35% of average, for the 1956-57 season.

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 87,911 acre-feet at spillway lip elevation.

Two tabulations giving pertinent data for the seasons for seven debris dams and 42 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 75,534 cubic yards in 1955-56 and 1,065,067 cubic yards in 1956-57.

The need for all possible conservation necessary in connection with our ground water resources has continued with the current thirteen-year drought period. Only in the single season 1951-52 did precipitation exceed the 80-year normal. This deficiency of precipitation, coupled with increased water use, has resulted in again establishing historically low water table elevations in many ground water basins in the County.

Water Conservation Zone I which expired on June 30, 1957 was reformed, with some slight changes in the boundary, to become effective on July 1, 1957. Zone II, incorporating the West Coast Basin, has continued to operate providing funds to purchase imported water for the established West Coast Basin Barrier Project and to continue the Hyperion Test.

Conservation by means of reservoir and channel absorption amounted to 122,200 acre-feet in this biennial period. Off-channel spreading grounds made it possible to save an additional 110,050 acre-feet by percolation into various ground water basins, thereby nearly doubling natural conservation. The above figures include over 106,000 acre-feet of water imported under Zone I provisions of the Flood Control Act and conserved as follows: In spreading grounds 22,800 acre-feet and in channels 83,200 acre-feet.

The West Coast Basin Barrier Project was continued under Zone II legislation and during this biennial period a total of 6345 acre-feet of imported water was injected through wells at Manhattan Beach. Also under Zone II provisions, the Hyperion experimental sewage reclamation project was continued. A successful polishing treatment for the ''high rate'' effluent from the Hyperion Treatment Plant of the City of Los Angeles was developed and the resultant liquid was successfully injected into a test recharge well for a six-month period. Tests were continued in an attempt to find a satisfactory treatment method which would be applicable to a ''standard rate'' effluent and which could be accomplished in an area smaller than that required for the ''high rate'' effluent.

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

The trend of groundwater levels in all of the major basins has continued downward and indicates a general decrease of storage throughout the County. Ground

water basins in the Central Coastal Plain and the Antelope Valley are losing storage at a rate in excess of natural recovery. In parts of the San Fernando Valley and San Gabriel Valley levels are sharply lower, but apparently overall draft is not yet exceeding long time safe yield. Santa Clara River Valley is subjected to an increasing draft but extractions are well within safe yield.

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

Respectfully submitted,

Finley B. Laverty

Finley B. Laverty
Division Engineer, Hydraulic

Recommended

Paul Baumann

Paul Baumann
Assistant Chief Engineer

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C331-R	ARCADIA WASH CHANNEL	at Huntington Drive	60
F317-R	ARCADIA WASH	below Grand Avenue	61
U1-R	ARROYO SECO	above Mouth of Canyon	63
P277-R	ARROYO SECO	below Devils Gate Dam	66
F298-R	BALLONA CREEK	at Curson Avenue	68
F38B-R	BALLONA CREEK	at Sawtelle Boulevard	71
F282-R	BALLONA CREEK	at Pacific Avenue	76
F120B-R	BIG DALTON CREEK	below Big Dalton Dam	76
U9-R	BIG DALTON CREEK	near Mouth of Canyon	78
F202-R	BIG DALTON CREEK	at Sierra Madre Avenue	80
F274-R	DALTON WASH	at Merced Avenue	82
U14-R	BIG ROCK CREEK	above Mouth of Canyon	85
F111C-R	BIG TUJUNGA CREEK	below Mill Creek	88
F168-R	BIG TUJUNGA CREEK	below Big Tujunga Dam	91
F213-R	BIG TUJUNGA CREEK	above Gold Canyon	94
E20C-R	TUJUNGA WASH	above Glen Oaks Boulevard	98
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PRECIPITATION RECORDS

PRECIPITATION

FOREWORD

This report, which contains precipitation and other weather data for the seasons 1955-56 and 1956-57, represents the twenty-eighth and twenty-ninth 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 1st and September 30th, 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 29, 1956 to September 30, 1956 and April 28, 1957 to September 29, 1957, was observed. Pacific Standard Time was used for the balance of the periods.

SEASON 1955-56

Seasonal precipitation in Los Angeles County was below normal in 1955-56 season with an average of 13.35 inches which was 82 per cent of the 80-year average for various representative stations.

A period of deficient rainfall has existed in Los Angeles County for the past twelve years with the exception of the 1951-52 season which exceeded average precipitation.

During this season, heavy rainfall occurred on January 25-26, 1956 particularly in the southwest portion of the County. This storm produced amounts which would probably recur only once in 50 years. A report of this storm is in the District's files. April was the wettest month in terms of per cent of monthly average, at Los Angeles.

Precipitation of 0.01 inch or more fell on 30 days in the mountains at Opid's Camp (Camp Hi Hill) and on 20 days at the Los Angeles Post Office Annex.

Isohyetals for the season are shown on Map I, page 35.

Snow depths in the mountain areas in the east end of the County were less than half the average depths. Sandberg Station in the northwest portion of the County, however, had a total snowfall for April of 12.6 inches which was well above average for that area. Routine snow surveys made in April each year, are shown under Summary of Snowfall, page 7.

Temperatures for September were the warmest of record for the County. The Sandberg Station recorded temperatures as low as 19°F. with winds to 60 miles per hour on March 6th.

SEASON 1956-57

Seasonal precipitation in the County for the season 1956-57 was again below the long-time average. A seasonal average of 11.74 inches was 73 per cent of the 80-year average based on various representative stations.

The drouth has now extended to 13 seasons. Only one season, 1951-52, exceeded the 80-year average during this period. A similar drouth period was experienced in the County from 1916 through 1931, or 15 seasons, with only three seasons in that period exceeding a long-time seasonal average precipitation.

A storm of some consequence for this season occurred on February 23, 1957 within an area bounded by Beverly Hills on the west, the south end of the Verdugo Mountains on the north, Pasadena on the east and Griffith Park on the south. This storm produced rainfall amounts of which would probably recur once in about 100 years in the Beverly Hills-Hollywood area. The raingage at Beverly Hills City Hall recorded 0.61 inches for 15 minutes, 1.15 inches for 30 minutes, and 1.59 inches for one hour, the highest rainfall intensities for these durations since intensity records began at this station in 1931. A report on this storm is on file in the Hydraulic Division of the District.

Isohyetals for the season are shown on Map II, page 37.

Subnormal snow depths are reflected in snow surveys made in April and are shown under Summary of Snowfall, page 7.

A temperature of 104° F. on June 18, 1957 was the highest of record for that date at the Los Angeles Weather Bureau Station. The mean monthly temperature for December 1956 of 68.2° F. at Sierra Madre was the highest in the State. The lowest measured temperature at Palmdale Airport for the season was 4° F. on January 28, 1957.

Santa Ana type winds and drouth conditions which lasted well into December contributed to the destructive fire in the Malibu area of the County where 27,800 acres of valuable water-shed were burned over. Gusts of wind to 59 miles per hour were recorded at the Los Angeles Airport on April 1, 1957.

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 630 and 632 raingages of various types during the 1955-56 and 1956-57 seasons, respectively. Station locations are shown on Maps I and II, pages 35 and 37.

During the 1926-27 season, when the District began distributing raingages, there were but 79 stations reporting to the District as compared to 520 stations during 1956-57.

The following tabulation indicates that 85 per cent of the stations from which the District received records have been in operation 15 years or more:

	15 to 49 years		50 years and over	
	1955-56	1956-57	1955-56	1956-57
Continuous records - active	209	217	22 a/	22 a/
Broken records - active and inactive	166	187	14	14
Totals	375	404	36	36

Recording rain and snow gages are located by the District where feasible. To date there are 42 of these District-owned gages in the San Gabriel Mountains and foothill area, 21 in other mountain and foothill areas, and 17 in valley areas, coastal plain and desert.

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.

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 calculation of 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, greatly augment the data received and compiled during the seasons, 1955-56 and 1956-57.

SOURCE AND NUMBER OF RECORDS

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

Rain Gage Ownership and Type	Quantity 1955-56	1956-57	1955-56	1956-57
(a) Los Angeles County Flood Control District				
Standard 8" dia. collector ring	294	291		
Special 8.81" dia. collector ring	22	22		
Storage type 8" dia. collector ring	16	18		
Automatic Fergusson Type 9" cap.	31	31		
Automatic Fergusson Type 12" cap.	16	16		
Automatic Universal Type 12" cap.	15	18		
Automatic Friez Type 30" cap.	1	1		
Automatic Friez Type 12" cap.	8	8		
Automatic Stevens Type Q 12" cap.	6	6		

Rain Gage Ownership and Type	Quantity 1955-56	1956-57	1955-56	1956-57
Automatic Stevens Type Q 24" cap.	2	2		
Automatic Fuller Type 3" cap.	1	1		
Totals			412	414
(b) Outside Agencies and Individuals				
Standard 8" dia. collector ring	148	148		
Various types, non-recording	9	8		
Automatic-various types and capacities	61	62		
Totals			218	218
Total number of Rain Gages			630	632
Less stations with both recording and non-recording gages			111	112
Total stations from which the District receives records			519	520

COMPLETE SEASONAL REPORTS

	1955-56	1956-57	1955-56	1956-57
Flood Control District Stations	325 [b]	327 [b]		
Privately owned Stations	180	182		
Totals			505	509

The preceeding tabulation shows the number of stations which furnished complete rainfall records or records which could be completed by estimates from adjacent stations for not more than ten per cent of the total seasonal amount. Thus, out of 519 stations reporting in 1955-56, and 520 stations reporting in 1956-57, 97 per cent and 98 per cent, respectively, furnished complete rainfall records.

Records were received and are in the District's files for the 1955-56, 1956-57 and prior seasons from weather instruments as follows:

Type	Number
Maximum-minimum Thermometers	73
Thermographs	4
Hygro-thermograph	1
Barographs	2
Single register Anemometer	1
Single register Recording Anemometer	1
Double register Recording Anemometer [c]	1

[b] When a station has both automatic recording raingage and a standard raingage and one is a District-owned gage, it is considered a Flood Control District Station.

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

AVERAGE INDICES FOR LOS ANGELES COUNTY

Table IX, page 34, represents indices for 85 years in Los Angeles County and selected areas within the County. Seasonal indices are the ratios of seasonal rainfall to seasonal 85-year average expressed as a percentage. The County indices have been obtained by computing the weighted average indices of seven representative areas in the County. The indices of each area were obtained by averaging the indices of representative long-term stations for the area. These indices are relative only, and are not applicable to any specific area in the County, being derived from data reflecting valley, mountain, and desert conditions. Isohyets for the 85-year seasonal normal are shown on Map III, page 39, of this report.

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 1955-56	Per cent of Average Monthly Rainfall 1955-56	Rainfall in inches 1956-57	Per cent of Average Monthly Rainfall 1956-57
Opid's (Camp Hi Hill)	Oct.	1.57	0	0	.84	54
	Nov.	3.27	2.85	87	0	0
	Dec.	7.18	2.43	34	1.26	17
	Jan.	8.77	12.34	141	12.36	141
	Feb.	9.16	2.30	25	4.71	51
	March	6.30	0	0	2.04	32
	April	2.71	6.78	250	2.15	79
	May	.82	2.35	287	4.82	588
	June	.11	0	0	.40	364
	July	.07	0	0	0	0
	Aug.	.10	0	0	0	0
	Sept.	.52	0	0	0	0
Totals		40.58	29.05		28.58	
Los Angeles - P.O. Annex	Oct.	.56	0	0	.14	25
	Nov.	1.23	1.81	147	0	0
	Dec.	2.74	1.13	41	.36	13
	Jan.	3.39	9.90	292	4.94	146
	Feb.	3.19	.69	22	1.51	48
	March	2.54	0	0	1.61	63
	April	1.03	4.19	407	1.49	145
	May	.32	.45	141	.53	166
	June	.07	0	0	.08	114
	July	0	0	0	0	0
	Aug.	.04	0	0	0	0
	Sept.	.18	0	0	0	0
Totals		15.29	18.17		10.66	

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	1955-56 Inches	1955-56 % of 85 Yr. Avg.	1956-57 Inches	1956-57 % of 85 Yr. Avg.
32C	Newhall	1243	17.73	81	16.88	95	13.42	76
53D	Colby's	3675	30.13	60	18.72	62	19.30	64
57B-E	Opid's	4250	40.58	40	29.05	72	28.58	70
60A	Hoegee's	2650	41.49	32	31.70	76	27.63	67
224B	Long Beach	180	12.72	63	12.86	101	7.04	55
338A	Mt. Wilson	5650	36.39	53	28.89	79	25.40	70
455	Lancaster	2395	7.18	34	4.03	56	5.41	75
587B	San Antonio Canyon - P.H. #1	2390	27.55	53	20.79	75	18.56	67
610B	Pasadena	864	20.19	85	18.66	92	15.63	77
715B	Los Angeles Post Office Annex	282	15.26	85	18.17	119	10.66	70
1051	Canoga Park Pierce College	800	15.84	45	14.23	90	10.58	67

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 1955-56	Minimum Seasonal 1956-57	Maximum Seasonal 1955-56	Maximum Seasonal 1956-57	Maximum Known Day 1955-56	Maximum Known Day 1956-57	Date
490	Lancaster Wiley Ranch	3.50						
60A	Hoegee's			31.70		9.14		1/26
X12	Wilsona-Fitch		2.76					
1030	Mt. Islip - Little Jimmy Springs				33.54			
283B	Crystal Lake						6.28	1/13

Table I, page 9, presents a complete list of automatic recording rain gages which were active during the 1955-56 and 1956-57 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 1955-56 and 1956-57 seasons and the maximum intensity of record.

Table III, pages 12 to 14, presents daily rainfall amounts for selected stations during the 1955-56 season.

Table IV, pages 15 to 17, presents daily rainfall amounts for selected stations during the 1956-57 season.

Table V, pages 18 to 22, presents monthly and seasonal rainfall amounts for stations from which the District received records during the 1955-56 season.

Table VI, pages 23 to 27, presents monthly and seasonal rainfall amounts for stations from which the District received records during the 1956-57 season.

SUMMARY OF SNOWFALL

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

Sta. No.	Station Name	Elev.	Seasons 1955-56	Seasons 1956-57	Maximum of Record	Season	Length of Record in Years
82D	Table Mountain	7500	59	62	201	1951-52	31
83	Big Pines Area	6860	56	66	231	1943-44	32
283B	Crystal Lake	5770	44	36	173	1943-44	26

The following tabulation shows snow surveys made at fifteen snow courses in April 1956 and April 1957 in San Antonio, Big Rock and Little Rock drainage areas:

Snow Course	Approx. Elev.	Avg. Depth of Snow in Inches 1956	Avg. Depth of Snow in Inches 1957	Water Content in Inches 1956	Water Content in Inches 1957	Density* 1956	Density* 1957
San Antonio Drainage Area							
San Antonio No. 2	8400	N.S.M.	N.S.M.	----	----	----	----
Icehouse No. 2	7660	13.0	N.S.M.	4.6	----	35.4	----
Icehouse No. 2A	7660	15.0	N.S.M.	4.8	----	32.0	----
Icehouse No. 3	8000	26.4	N.S.M.	8.9	----	33.7	----
Icehouse No. 4	5800	5.4	0	1.8	0	33.3	0
Manker Flat	6500	0	0	0	0	0	0
Lower Thunder Mt.	7500	7.6	0.3	2.3	0.1	30.3	33.0
Upper Thunder Mt.	8500	23.0	20.1	7.6	9.5	33.0	47.3

TABLE I

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

ACTIVE AUTOMATIC RAIN GAGES

SEASON 1955 - 1956

FC NO.	NAME OF STATION	ELEV. OF GAGE	TYPE AND CAPACITY		WATERSHED	PERIOD OF RECORD
6	TOPANGA CANYON PATROL STATION	747	UNIVERSAL	12"	TOPANGA CANYON	8/18/30 TO DATE
10	BEL AIR HOTEL	540	FERGUSSON	9"	BALLONA CREEK	1/4/29 TO DATE ***
11C	UPPER FRANKLIN CANYON RESERVOIR	867	"	9"	FRANKLIN CANYON	9/29/37
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 DATE
52C	WATERMAN GUARD STATION	3290	FERGUSSON	12"	ARROYO SECO	1/15/26 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	4250	"	12"	SAN GABRIEL, WEST FORK	12/14/25 TO DATE ***
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 DATE
83	BIG PINES RECREATION PARK	6860	"	12"	MESCAL CREEK AND SWARTOUT VALLEY	12/17/25 TO DATE ***
85F	CAMP BALDY GUARD STATION	4300	"	12"	SAN ANTONIO CANYON	11/11/27 TO DATE ***
89E	SAN DIMAS DAM	1350	UNIVERSAL	12"	SAN DIMAS CANYON	2/27/50 TO DATE
92	CLAREMONT - POMONA COLLEGE	1190	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 CN. - 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
179F	SIERRA MADRE - 1 N.	1153	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 DATE
235B	HENNINGER FLATS	2550	FRIEZ	12"	EATON CANYON	1/2/30 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 ***
280B	FLINTRIDGE FIRE STATION	1325	"	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	795	"	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"	SAN GABRIEL AND SANTA ANITA CANYONS	3/4/32 TO DATE ***
352B	LA CHUSA PATROL STATION	1530	"	9"	ARROYO SEQUIT AND TRANCAS CANYONS	11/28/34 TO DATE ***
356C	SPADRA - PACIFIC COLONY	690	"	9"	SAN JOSE CREEK	3/30/38 TO DATE ***
367	HAINES CANYON - UPPER	3450	FRIEZ	30"	BIG TUJUNGA 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"	VERDUGO CHANNEL	11/28/33 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	553	FERGUSSON	9"	LOS ANGELES RIVER	11/1/34 TO DATE
415	SIGNAL HILL - CITY HALL	140	"	9"	SOUTH COASTAL	3/15/37 TO DATE ***
425B-E	SAN GABRIEL DAM	1481	UNIVERSAL	12"	SAN GABRIEL RIVER	11/3/37 TO DATE ***
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
444C	ROLLING HILLS - PALOS VERDES 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 - SANTA SUSANA MTS.	2367	FRIEZ	12"	LOS ANGELES RIVER	7/2/40 TO DATE ***
449B	EATON DAM	875	STEVENS	12"	EATON WASH	10/31/50 TO DATE
466B	PACOIMA CANYON - DUTCH LOUIE CN.	3225	UNIVERSAL	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 ***
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 MAINT. STA.	5275	"	12"	SAN GABRIEL RIVER, 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 (LEWIS RANCH)	4700	"	9"	PALLETT CREEK	12/17/43 TO DATE
1006	SAN PEDRO CITY 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	2150	"	12"	THOMPSON CREEK	12/19/46 TO DATE
1013B	TUJUNGA CANYON ABOVE GOLD CANYON	1650	STEVENS	12"	BIG TUJUNGA CANYON	9/29/47 TO DATE
1014D-E	RIO HONDO SPREADING GROUNDS	155	FERGUSSON	9"	RIO HONDO	11/14/51 TO DATE
1017	LITTLE ROCK CR. ABOVE SANTIAGO CR.	3330	STEVENS	12"	LITTLE ROCK CANYON	8/6/48 TO DATE
1034	SANTA CLARA RIVER - 6 S. AIRPARK	1350	FRIEZ	12"	SANTA CLARA RIVER	4/19/50 TO DATE
1035	WHITTIER - WDOD	280	FERGUSSON	9"	SAN GABRIEL RIVER	10/27/52 TO DATE
1037-E	ARCADIA - ARBORETUM	525	UNIVERSAL	12"	RIO HONDO	3/3/55 TO DATE
1060	LITTLE ROCK - SYCAMORE CAMP	3925	FRIEZ	12"	LITTLE ROCK CANYON	7/21/53 TO DATE
1062	BUCKHORN	6660	"	12"	LITTLE ROCK CANYON	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 HEIGHTS MUTUAL WATER CO.	445	"	12"	COYOTE CREEK	3/8/55 TO DATE
1107	LA TUNA CANYON	1550	"	12"	LA TUNA CANYON	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

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

ACTIVE AUTOMATIC RAIN GAGES

SEASON 1956 - 1957

FC	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
89B-E	SAN DIMAS DAM	1350	"	12"	SAN DIMAS CANYON	2/27/50 TO DATE
250D	ACTON CAMP	2550	"	12"	SOLEDAD CANYON	1/3/57 TO DATE
443B	LATIGO CN. - BEACH RANCH	1770	"	12"	DUME CANYON	1/9/57 TO DATE
451B	CASTAIC PATROL STA.	1066	"	12"	SANTA CLARA RIVER	1/3/57 TO DATE
1034	SANTA CLARA RIVER - 6 S. AIRPARK	1350	FRIEZ	12"	SANTA CLARA RIVER	4/19/50 TO 1/7/57
1107B	LA TUNA CANYON	1225	UNIVERSAL	12"	LOS ANGELES RIVER	11/14/55 TO DATE

LEGEND

(1) PREVIOUS RECORD BY U.S.W.B. MARVIN GAGE FROM DECEMBER 1916 TO NOVEMBER 24, 1931.
*** 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 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 1956-57 IDENTICAL WITH SEASON 1955-56 WITH EXCEPTION OF STATION NOS. 2B, 89B-E, 250D, 443B, 451B, 1034, 1107B.

TABLE I (Cont'd.)

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

PRIVATE ACTIVE AUTOMATIC RAIN GAGES

SEASON 1955 - 1956

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	12/4/45 TO DATE *** **
87	SAN DIMAS GUARD STATION	1500	FERGUSSON	12"	SAN DIMAS CREEK	12/11/25 TO 11/23/26
						10/1942 TO DATE **
124B	BOUQUET CANYON RESERVOIR	3050	STEVENS FLOAT	9"	SANTA CLARA RIVER	11/11/31 TO DATE*
139	LOS ANGELES WATER DEPARTMENT	385	LEITZ	5.5"	LOS ANGELES RIVER	12/22/38 TO DATE*
140B	SAWTELLE	230	FRIEZ	12"	BALLONA CREEK	10/5/51 TO DATE *
157B	EL SEGUNDO - STANDARD OIL COMPANY	150	FRIEZ	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	SAN FERNANDO POWER HOUSE NO. 3	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	1005	STEVENS FLOAT	12"	TUJUNGA CHANNEL	10/30/40 TO DATE*** **
453B	DEVILS GATE DAM	1090	UNIVERSAL	12"	ARROYO SECO	11/20/42 TO 9/15/53
						1/27/54 TO 11/14/55
						11/23/55 TO DATE
465B	SEPULVEDA DAM	680	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 - 1607 SAN FRANCISCO ST.	11	UNIVERSAL	12"	SOUTH COASTAL	11/8/24 TO DATE
566	LONG BEACH NO. 1	15	UNIVERSAL	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	7/26/56 TO DATE *
666	LONG BEACH - 60TH ST. AND LINDEN	50	"	12"	SOUTH COASTAL	9/1953 TO DATE
683	SUNSET RIDGE GUARD STATION	2110	FRIEZ	12"	ARROYO SECO	10/16/45 TO DATE**
715B	LOS ANGELES TERMINAL ANNEX P.O.	282	"	12"	LOS ANGELES RIVER	9/16/53 TO DATE
724	BIG DALTON - MONROE CANYON - FLUME X	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 STA.	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	2750	"	12"	SAN DIMAS CREEK	10/4/34 TO DATE **
747	SANDBERG AIRWAYS	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	800	"	12"	BALLONA CREEK	9/4/47 TO DATE *
758	GRIFFITH PARK - LOWER SPRING CANYON	625	"	12"	LOS ANGELES RIVER	9/3/47 TO DATE *
759	HOLLYWOOD - 1736 COURTNEY AVENUE	422	"	12"	BALLONA CREEK	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	423	RATIONAL	8"	LOS ANGELES RIVER	12/19/47 TO DATE*
775	L.A. - 8TH AND CROCKER STREETS	249	FRIEZ	12"	LOS ANGELES RIVER	9/12/47 TO 9/30/56*
779	GRIFFITH PARK - LOWER MINERAL WELLS	625	"	12"	LOS ANGELES RIVER	11/1947 TO DATE *
780	GRIFFITH PARK - UPPER MINERAL WELLS	1025	"	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	700	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 *** *
805	L.A. - 2771 ROWENA AVENUE	435	FRIEZ	12"	LOS ANGELES RIVER	9/20/49 TO DATE *
806	L.A. - 2376 TEVIOT STREET	565	"	12"	LOS ANGELES RIVER	9/20/49 TO DATE *
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	1/1935 TO DATE *
1095	ORANGE COUNTY RESERVOIR	600	FRIEZ	12"	BREA CANYON	10/17/41 TO DATE*** **
1106	ANTELOPE VALLEY FIELD STA.	2450	FRIEZ	9"	ANTELOPE VALLEY	1/24/56 TO DATE
1113	DOMINGUEZ WATER CO.	30	FRIEZ	12"	SOUTH COASTAL	11/1/55 TO DATE **
1115	SAN ANTONIO DAM	2120	UNIVERSAL	12"	SAN ANTONIO CANYON	8/1/56 TO DATE *
1118	LAKEWOOD	55	"	12"	SAN GABRIEL RIVER	9/15/56 TO DATE *

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

PRIVATE ACTIVE AUTOMATIC RAINGAGES

SEASON 1956 - 1957

FC NO.	NAME OF STATION	ELEV. OF GAGE	TYPE AND CAPACITY		WATERSHED	PERIOD OF RECORD
1114	WHITTIER NARROWS DAM	255	UNIVERSAL	12"	RIO HONDO	6/4/57 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 1956-57 IDENTICAL WITH SEASON 1955-56 WITH THE EXCEPTION OF STATION NO. 1114.

TABLE II

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

COMPARATIVE MAXIMUM RAINFALL INTENSITIES IN INCHES

SEASONS 1955-56, 1956-57 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 HOEGEES (CAMP IVY)		#303F CAL TECH PASADENA	
		1955-1956	MAX. OF RECORD	1955-1956	MAX. OF RECORD	1955-1956	MAX. OF RECORD	1955-1956	MAX. OF RECORD	1955-1956	MAX. OF RECORD	1955-1956	MAX. OF RECORD	1955-1956	MAX. OF RECORD	1955-1956	MAX. OF RECORD	1955-1956	MAX OF RECORD	1955-1956	MAX. OF RECORD*
5 MIN.	AMT.	.14	.44	.06	.33	.12	.54	.20	.60	.20	.29	.15	.50	.15	.40	.10	1.17	.12	.43	.18	.32
	DATE	1/26	1/14/08	1/26	12/15/38	1/26	5/11/57	11/21	4/5/26	4/18	8/26/35	5/10	1/22/43	1/26	12/6/46	11/14	4/5/26	5/9	4/29/35	1/26	3/3/43
10 MIN.	AMT.	.26	.66	.10	.43	.22	.68	.23	.62	.30	.41	.21	.70	.20	.46	.20	1.18	.18	.50	.30	.47
	DATE	1/26	2/18/14	1/26	1/8/40	1/26	5/11/57	11/21	4/5/26	4/18	8/26/35	5/9	2/20/41	1/26	12/6/46	11/14	4/5/26	1/26	4/29/35	1/26	2/23/57
15 MIN.	AMT.	.33	.81	.15	.50	.28	.77	.32	.68	.31	.44	.28	.91	.38	.50	.27	1.18	.26	.65	.40	.62
	DATE	1/26	2/18/14	1/26	12/17/40	1/26	5/11/57	11/21	4/5/26	4/18	8/26/35	5/9	2/20/41	1/26	9/29/46	11/14	4/5/26	1/26	12/21/45	1/26	2/23/57
30 MIN.	AMT.	.51	1.12	.25	.88	.50	.89	.37	.96	.32	.66	.54	1.16	.64	.72	.47	1.52	.41	1.06	.60	1.08
	DATE	1/26	2/18/14	1/26	12/28/41	1/26	5/11/57	1/26	4/5/26	4/18	10/1/32	1/26	2/20/41	1/26	9/29/46	11/14	4/5/26	1/26	3/4/43°	1/26	3/3/43
1 HR.	AMT.	.88	1.51	.49	1.26	.88	.90	.67	1.25	.33	.93°°	.92	2.51°°	.94	.94	.78	2.21	.81	1.70	.98	1.70
	DATE	1/26	2/18/14	1/26	12/28/41	1/26	5/11/57	1/26	1/22/43	4/18	8/24/35	1/26	1/22/43	1/26	1/22/43	1/26	4/5/26	1/26	12/21/45	1/26	3/3/43
2 HRS.	AMT.	1.40	1.99	.81	1.50	1.54	1.54	1.32	2.34	.52	1.48°°	1.46	3.44°°	1.57	1.63	1.40	3.83	1.46	2.88	1.55	2.36
	DATE	1/26	2/18/14	1/26	1/22/43	1/26	1/26	1/26	1/22/43	1/26	8/24/35	1/26	1/22/43	1/26	1/22/43	1/26	4/5/26	1/26	3/2/38	1/26	3/4/43°
3 HRS.	AMT.	2.22	2.28	1.03	2.13	2.21	2/21	2.01	3.28	.72	1.48°°	1.84	4.14°°	2.00	2.27	1.75	4.95	2.13	4.00	2.20	3.02
	DATE	1/26	2/18/14	1/26	1/22/43	1/26	1/26	1/26	1/22/43	1/26	8/24/35	1/26	1/22/43	1/26	12/31/33	1/26	3/2/38	1/26	3/2/38	1/26	12/31/33
4 HRS.	AMT.	2.71	2.71	1.35	2.67	2.72	2.72	2.65	4.32	.91	1.57	2.09	5.09°°	2.42	2.96	2.25	6.16	2.74	5.30	2.67	3.80
	DATE	1/26	1/26	1/26	1/22/43	1/26	1/26	1/26	1/22/43	1/26	1/22/43	1/26	1/22/43	1/26	1/22/43	1/26	3/2/38	1/26	3/2/38	1/26	12/31/33
5 HRS.	AMT.	2.89°°	3.06	1.67	3.13	3.15	3.15	3.10	5.30	1.01	1.82	2.45	5.46°°	3.00	3.25	2.63	7.24	3.42	6.48	3.30	4.55
	DATE	1/26	3/2/38	1/26	1/22/43	1/26	1/26	1/26	1/22/43	1/26	1/22/43	1/26	1/22/43	1/26	1/22/43	1/26	3/2/38	1/26	1/22/43	1/26	12/31/33
12 HRS.	AMT.	5.02°°	5.02°°	2.61	5.29	5.41	5.41	6.45	10.35	1.73	3.14	5.03	9.79	5.26	5.26	5.18	13.38	7.04	13.36	5.56	7.98
	DATE	1/26	1/26	1/26°	1/1/34°	1/26	1/26	1/26	1/22/43	1/26	1/23/43°	1/26	12/31/33	1/26	1/26/56	1/26	3/2/38	1/26	1/23/43°	1/26	12/31/33
24 HRS.	AMT.	6.29°°	7.36	4.56°°	8.13	7.23	7.23	8.20	17.81	3.26	4.44	6.79	13.63	7.09	7.92	7.30	21.68	8.85	26.12	7.36	11.25
	DATE	1/26°	1/1/34°	1/26°	1/22/43°	1/26°	1/26	1/26°	1/23/43°	1/26°	1/23/43°	1.26°	1/1/34°	1/26°	1/1/34°	1/26	1/23/43°	1/26°	1/23/43°	1/26°	1/1/34°
STORM TOTAL																					
AUTO.	AMT.	8.31°°	8.31°°	5.77°°	INC.	9.18	9.18	11.78	24.07	4.25	6.45	9.60	INC.	8.86	10.70	11.52	32.15	13.28	37.42	9.36	13.64
	DATE	1/25-1/27	1/25-1/27	1/25-1/27	1/21/43-1/23/43	1/25-1/27	1/25-1/27	1/25-1/27	1/21/43-1/23/43	1/25-1/27	1/21/43-1/23/43	1/25-1/27	1/21/43-1/23/43	1/25-1/27	1/21/43-1/24/43	1/25-1/27	1/21/43-1/23/43	1/25-1/27	1/21/43-1/23/43	1/25-1/27	1/21/43-1/23/43
STD.	AMT.	9.49	9.67	5.60	11.31	9.51	12.99	11.81	25.08	4.27	6.69	9.03	17.38	8.92	11.03	11.61	33.95	14.36	37.34	9.86	13.86
	DATE	1/25-1/27	3/2/84-3/10/84	1/25-1/27	1/21/43-1/23/43	1/25-1/27	12/30/33-1/2/34	1/25-1/27	12/17/21-12/22/21	1/25-1/27	12/18/21-12/27/21	1/25-1/27	1/21/43-1/23/43	1/25-1/27	2/10/27-2/18/27	1/25-1/27	12/18/21-12/23/21	1/25-1/27	1/21/43-1/23/43	1/25-1/27	1/21/43-1/23/43
		1956-1957		1956-1957		1956-1957		1956-1957		1956-1957		1956-1957		1956-1957		1956-1957		1956-1957		1956-1957	
5 MIN.	AMT.	.11		.11		.54		.12		.04		.15°°		.13		.24		.19		.25	
	DATE	3/16		2/23		5/11		2/23		3/17		2/23		2/28		2/23		2/23		2/23	
10 MIN.	AMT	.15		.16		.68		.20		.09		.23°°		.22		.29		.31		.47	
	DATE	3/16		2/23		5/11		2/23		3/17		2/23		2/28		2/23		2/23		2/23	
15 MIN.	AMT.	.20		.24		.77		.25		.11		.29°°		.29		.34		.41		.62	
	DATE	4/18		1/5		5/11		2/23		3/17		2/23		2/28		2/23		2/23		2/23	
30 MIN.	AMT.	.29		.36		.89		.35		.14		.57°°		.40		.49		.62		.82	
	DATE	4/18		2/23		5/11		2/23		1/12		2/23		2/28		2/23		2/23		2/23	
1 HR.	AMT.	.34		.51		.90		.67		.27		.97°°		.42		.80		.96		1.19	
	DATE	4/18		1/5		5/11		2/23		1/12		2/23		2/28		2/23		2/23		2/23	
2 HRS.	AMT.	.61		.94		.90		1.22		.53		1.67°°		.60		1.54		1.78		1.82	
	DATE	1/12		2/23		5/11		2/23		1/12		2/23		3/1°		2/23		2/23		2/23	
3 HRS.	AMT.	.91		1.20		1.15		1.71		.75		2.35°°		.78		2.02		2.31		2.21	
	DATE	1/13°		2/23		5/11		2/23		1/12		2/23		1/13°		2/23		2/23		2/23	
4 HRS.	AMT.	1.13°		1.33		1.19		2.05		.92		2 64°°		.98		2.33		2.71		2.60	
	DATE	1/12		2/23		5/11		2/23		1/12		2/23		1/13°		2/23		2/23		2/23	
5 HRS.	AMT.	1.40		1.57		1.27		2.25		1.02		2.80°°		1.20		2.62		2.96		2.72	
	DATE	1/13°		1/13°		1/13°		2/23		1/13°		2/23		1/13°		1/13°		2/23		2/23	
12 HRS.	AMT.	2.10		2.26		2.27		3.62		1.46		3.00°°		2.08		3.50		4.41		2.95	
	DATE	1/13°		1/13°		1/13°		1/13°		1/13°		2/23		1/13°		1/13°		1/13°		2/23	
24 HRS.	AMT.	2.20		2.53		2.40		3.93		1.57		3.15		2.39		5.16		4.67		2.96	
	DATE	1/13°		1/13°		1/13°		1/13°		1/13°		1/12		1/13°		1/13°		1/13°		2/23	
STORM TOTAL																					
AUTO.	AMT.	2.20		2.54		2.40		3.93		1.57		3.25		2.39		5.20		4.67		2.96	
	DATE	1/12-1/13		1/20-1/29		1/12-1/13		1/12-1/13		1/12-1/13		1/12-1/13		1/12-1/13		1/12-1/13		1/12-1/13		2/23	
STD.	AMT.	2.30		2.64		2.57		4.08		1.59		3.26		2.18		5.15		4.58		2.91	
	DATE	1/12-1/13		1/20-1/29		1/12-1/13		1/12-1/13		1/12-1/13		1/12-1/13		1/12-1/13		1/12-1/13		1/12-1/13		2/23	

LEGEND

° DATE AT END OF PERIOD
°° INTERPOLATED VALUE
INC. INCOMPLETE RECORD

TABLE III

SEASONAL 1955-56 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																																0
15	VAN NUYS	B																																0
32C	NEWHALL	C																																0
33A'-E	PACOIMA DAM	E																																0
57B-E	OPID'S	E																																0
85F	CAMP BALDY	B																																0
106C	WHITTIER	E																																0
121B	LANCASTER	E																																0
130B	SANDBERG'S	C																																0
185	GLENDORA	E																					T											T
241B	LONG BEACH	A																																0
256B	POMONA	E																					T											T
283B	CRYSTAL LAKE	E																					T											T
321-E	PINE CANYON	C																																0
425B-E	SAN GABRIEL DAM	E																					T											T
440B	CHILAO	B																																0
478	VALYERMO	E																																0
577F	LOS ANGLELES	F															T																	T
610B	PASADENA	E																																0
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													1.90				.17				.56										2.63
15	VAN NUYS	B														.81			.07	.01			T	.18									1.07
32C	NEWHALL	C													T	.81			.05				.36										1.22
33A'-E	PACOIMA DAM	E												.03	.02	.93			.22				.57										1.77
57B-E	OPID'S	E													1.80				.17				.88										2.85
85F	CAMP BALDY	B														.92			.04	.05			.70										1.71
106C	WHITTIER	E														.88			.10				.16										1.14
121B	LANCASTER	E														.20							.02										.22
130B	SANDBERG'S	C														.40							.48										.88
185	GLENDORA	E													.02	.95			.10				1.03	.01									2.11
241B	LONG BEACH	A											T	T		.79			.05	.16			T	.05									1.05
256B	POMONA	E												T		.80			.13				.35	.02									1.30
283B	CRYSTAL LAKE	E													.12	1.68			.10				.63										2.53
321-E	PINE CANYON	C														1.01			.17				.30	.02									1.50
425B-E	SAN GABRIEL DAM	E													.07	1.18			.09				1.32										2.66
440B	CHILAO	B														1.23			.06				.35										1.64
478	VALYERMO	E														.12							.06										.18
577F	LOS ANGELES	F											T	T	.15	.70		.01	.08				.74										1.68
610B	PASADENA	E												T	.01	1.03			.15				.62										1.81
634B	SANTA MONICA	D														1.11			.11				.46										1.68

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	.18		.63	.02	.10	.03																.64	.03	.92	.19	.27				.13	3.19
15	VAN NUYS	B		.18		.44	.26		.16																.12	.07	.30	T	.38					1.91
32C	NEWHALL	C	.05	.09		.52	.05	.02	T																.08	T	.70	.02	.15				.03	1.71
33A'-E	PACOIMA DAM	E	.39	.26		.62	.08	.09	.02																.34	.02	.22	.15	.08				.11	2.38
57B-E	OPID'S	E	.21	.46		.18	.05																		.23	.10	.32	.48	.35				.05	2.43
85F	CAMP BALDY	B		.50		.33	.18																		.16		.02		.18				T	1.37
106C	WHITTIER	E	.23	.13		.15		.03	.01																.06	T	.06		.03					.70
121B	LANCASTER	E	.05			.46																			T	T	T	T	T					.51
130B	SANDBERG'S	C		.52			.55																			.55	.94		.35					2.91
185	GLENDORA	E	.30	.44		.35	.01	.02																	.15	.01	.10		.03				.01	1.42
241B	LONG BEACH	A		.06		.08	.10		.03		T	.02												T	.06	.01	.04	.05						.45
256B	POMONA	E		.55			.32		.08																.07				.05					1.07
283B	CRYSTAL LAKE	E	.10	.16		.59	.01																		.18	.01	.14	.09	.14	.10				1.52
321-E	PINE CANYON	C	.14	.30		.65	.06	.07																	.29	.22	.72	.03	.09				.15	2.72
425B-E	SAN GABRIEL DAM	E	.17	.29		.39	T	T																	.26	.03	.12		.07				.02	1.35
440B	CHILAO	B	.35	.11		.42	.06	.02																	.14	.10	.28		.16					1.64
478	VALYERMO	E	T			.46	.15																											.61
577F	LOS ANGELES	F	.39			.26	T	.07	T															T	.12	.18	T	.14	.01				T	1.11
610B	PASADENA	E	.34	.28		.43	.02	.04	T																.17	.04	.27	T	.04				.02	1.65
634B	SANTA MONICA	D	.11				.45	.09																					.68				.09	1.42

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																					.09		.05		2.15	6.31	.52				.76	9.88
15	VAN NUYS	B		.02																			.05		.07		.03	3.95	1.59	.03			.53	6.27
32C	NEWHALL	C																									1.26	4.43	.31				.43	6.43
33A'-E	PACOIMA DAM	E																				.01	.01	T	.23		1.38	4.77	.38		.05		.36	7.19
57B-E	OPID'S	E																						.07			1.70	7.30	2.61			.05	.61	12.34
85F	CAMP BALDY	B																					.02		.01		.03	3.58	5.58	.15	.01		.50	9.88
106C	WHITTIER	E																				T			.09		1.06	6.10	.86				.38	8.49
121B	LANCASTER	E																										.90	.27				.26	1.43
130B	SANDBERG'S	C															.05											——	1.42	.13		.23		1.83
185	GLENDORA	E																				.04			.06		1.27	7.73	1.33				.34	10.77
241B	LONG BEACH	A															T	T					T		.12	T	T	4.24	1.52	T			.71	6.59
256B	POMONA	E																				.01			.02		.90	5.70	1.05				.35	8.03
283B	CRYSTAL LAKE	E																				.04					1.09	6.52	1.91		.06		.59	10.21
321-E	PINE CANYON	C																									.50	2.60	1.04				.24	4.38
425B-E	SAN GABRIEL DAM	E																				T	.02		.03		1.92	8.11	1.78		.05		.45	12.36
440B	CHILAO	B																								.03	1.10	5.11	.80	.19	.10		.42	7.75
478	VALYERMO	E																									.06	3.32	.20				.32	3.90
577F	LOS ANGELES	F																				.01		T	.06		1.73	5.71	.53			.28	.07	8.39
610B	PASADENA	E																T				T			.05		1.06	6.51	1.00				.43	9.05
634B	SANTA MONICA	D																				.01			T		2.09	5.38	.44				.46	8.38

SEASONAL 1955-56 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																							2.03	.17						2.20
15	VAN NUYS	B																							.25	.27						.52
32C	NEWHALL	C																						.02	.79	.04						.85
33A'-E	PACOIMA DAM	E																						.09	.73	.02						.84
57B-E	OPID'S	E																						.01	2.10	.19						2.30
85F	CAMP BALDY	B						.06																	.36	.68	T					1.10
106C	WHITTIER	E																							.38	.04						.42
121B	LANCASTER	E																						.09	.01							.10
130B	SANDBERG'S	C																							.06	.17						.23
185	GLENDORA	E																						T	.81	.10						.91
241B	LONG BEACH	A	T																T						.26	.26	.01					.53
256B	POMONA	E																							.35	.05						.40
283B	CRYSTAL LAKE	E																						T	1.20	.20						1.40
321-E	PINE CANYON	C																						.01	1.14	.16						1.31
425B-E	SAN GABRIEL DAM	E															.05								1.49	.11						1.65
440B	CHILAO	B																						T	1.25	.24						1.49
478	VALYERMO	E																														0
577F	LOS ANGELES	F																						.08	.47	.04						.59
610B	PASADENA	E																						T	1.13	.08						1.21
634B	SANTA MONICA	D																							.86							.86

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
15	VAN NUYS	B																																0
32C	NEWHALL	C																																0
33A'-E	PACOIMA DAM	E																																0
57B-E	OPID'S	E																																0
85F	CAMP BALDY	B																															T	T
106C	WHITTIER	E																																0
121B	LANCASTER	E																																0
130B	SANDBERG'S	C					.05																											.05
185	GLENDORA	E																																0
241B	LONG BEACH	A																																0
256B	POMONA	E																																0
283B	CRYSTAL LAKE	E																																0
321-E	PINE CANYON	C																																0
425B-E	SAN GABRIEL DAM	E																															T	T
440B	CHILAO	B																																0
478	VALYERMO	E																																0
577F	LOS ANGELES	F																															T	T
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											.25	2.25	.56	.04											1.38		.07				4.55
15	VAN NUYS	B		.03									.12	2.05	1.10	.20												.25	.18				3.93
32C	NEWHALL	C	.25										.04	3.60	.39													.64	.11				5.03
33A'-E	PACOIMA DAM	E	.16									.01	.09	2.96	.57					.05								.44	.17				4.45
57B-E	OPID'S	E	.24										.21	2.60	1.89													1.62	.22				6.78
85F	CAMP BALDY	B	.10	.57	.13								.07	.10	2.33	.09	T												.98	T			4.37
106C	WHITTIER	E	.04										.02	1.24	.95													.68	.05				2.98
121B	LANCASTER	E	.02											—	.89*				.07*	.20*								.02*					1.20*
130B	SANDBERG'S	C	.06										.37	2.50	.29					.12								.25					3.59
185	GLENDORA	E	.28	.10								.04	.12	.86	.90											.02		.68	.12				3.12
241B	LONG BEACH	A	T	.06								T	.02	.31	1.02	.39										T		.30	.23	.02			2.35
256B	POMONA	E	.04	.04									.12	.62	.83					T								.30					1.95
283B	CRYSTAL LAKE	E	.45										.18	3.13	1.77	.23												1.23	.27				7.26
321-E	PINE CANYON	C	.13										.13	1.75	.47					.09								.86	.10				3.53
425B-E	SAN GABRIEL DAM	E	.24	T								.02	.15	1.49	1.11													1.04	.13				4.18
440B	CHILAO	B	.04	.03								T	.11	2.92	1.24	.06												1.31	.08				5.79
478	VALYERMO	E	.01											.94	.78					T	.02												1.75
577F	LOS ANGELES	F	.19									T	.37	1.90	.29				T						T			.95	.02				3.72
610B	PASADENA	E	.20									.05	.29	1.63	1.06	.05			T	T						.04		.62	.09				4.03
634B	SANTA MONICA	D	T										.12	1.17	.81													.49	.03				2.62

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				.05					1.88								T															1.93
15	VAN NUYS	B									.47	.12																						.59
32C	NEWHALL	C									1.55																							1.55
33A'-E	PACOIMA DAM	E				T					1.08	.03							T									.01						1.12
57B-E	OPID'S	E									2.32	.03							T															2.35
85F	CAMP BALDY	B									.72	.90								.02										.01				1.65
106C	WHITTIER	E									.43	.01																						.44
121B	LANCASTER	E									.04*								.03*															.07*
130B	SANDBERG'S	C									1.33																							1.33
185	GLENDORA	E									1.41	.15														T	T		.01					1.57
241B	LONG BEACH	A									.19	.03							T	T											T			.22
256B	POMONA	E									.61																							.61
283B	CRYSTAL LAKE	E									2.63	.18							.01															2.82
321-E	PINE CANYON	C									2.06	.10																						2.16
425B-E	SAN GABRIEL DAM	E									1.99	.12							T								T	T	T					2.11
440B	CHILAO	B									1.74	.06																						1.80
478	VALYERMO	E									.15																							.15
577F	LOS ANGELES	F				T				.21	.25								T						T	T	T		T		T		.46
610B	PASADENA	E									.86	.04							T	T						T			T					.90
634B	SANTA MONICA	D								.45																								.45

SEASONAL 1955-56 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		T																													T
57B-E	OPID'S	E																															0
85F	CAMP BALDY	B																															0
106C	WHITTIER	E																															0
121B	LANCASTER	E																															0
130B	SANDBERG'S	C																															0
185	GLENDORA	E																															0
241B	LONG BEACH	A																															0
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
478	VALYERMO	E																															0
577F	LOS ANGELES	F			T															T		T										T
610B	PASADENA	E																															0
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																							.09									.09
33A'-E	PACOIMA DAM	E																																0
57B-E	OPID'S	E																																0
85F	CAMP BALDY	B																									.19	.05					-	.24
106C	WHITTIER	E																																0
121B	LANCASTER	E																		.05*														.05*
130B	SANDBERG'S	C																																0
185	GLENDORA	E																									.14							.14
241B	LONG BEACH	A																																0
256B	POMONA	E																									.07							.07
283B	CRYSTAL LAKE	E																											.12					.12
321-E	PINE CANYON	C																						.06										.06
425B-E	SAN GABRIEL DAM	E																									.01							.01
440B	CHILAO	B																																0
478	VALYERMO	E																		T			.02	.02										.04
577F	LOS ANGELES	F																																0
610B	PASADENA	E																																0
634B	SANTA MONICA	D																																0

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																																0
32C	NEWHALL	C																																0
33A'-E	PACOIMA DAM	E																											T	.01				.01
57B-E	OPID'S	E																																0
85F	CAMP BALDY	B																																0
106C	WHITTIER	E																																0
121B	LANCASTER	E																																0
130B	SANDBERG'S	C																																0
185	GLENDORA	E																											T					T
241B	LONG BEACH	A																																0
256B	POMONA	E																																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
478	VALYERMO	E																																0
577F	LOS ANGELES	F																											T	T				T
610B	PASADENA	E																											.01	T				.01
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																															0
15	VAN NUYS	B																															0
32C	NEWHALL	C																															0
33A'-E	PACOIMA DAM	E																															0
57B-E	OPID'S	E																															0
85F	CAMP BALDY	B																															0
106C	WHITTIER	E																															0
121B	LANCASTER	E																															0
130B	SANDBERG'S	C																															0
185	GLENDORA	E																															0
241B	LONG BEACH	A																															0
256B	POMONA	E																															0
283B	CRYSTAL LAKE	E																															0
321-E	PINE CANYON	C																															0
425B-E	SAN GABRIEL DAM	E																											T				T
440B	CHILAO	B																															0
478	VALYERMO	E																															0
577F	LOS ANGELES	F																															0
610B	PASADENA	E																															0
634B	SANTA MONICA	D																															0

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 29, 1956

NOTE: FOR SEASON TOTALS SEE TABLE V

—— INDICATES PERIOD OF TOTAL FOLLOWING

*ESTIMATED FROM NEARBY STATIONS

**PARTLY ESTIMATED

TABLE IV

SEASONAL 1956-57 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																												.23				.23
15	VAN NUYS	B				.18																												.18
32C	NEWHALL	C				.13																												.13
33A'-E	PACOIMA DAM	E		T		.64		.02																						.50				1.16
57B-E	OPID'S	E				.67		.08																T						.09				.84
85F	CAMP BALDY	B	T		T	.14																								.07				.21
106C	WHITTIER	E				.15																			T					.15				.30
130B	SANDBERG'S	C				.26																								.12			.03	.41
185	GLENDORA	E		T		.25																			.01					.07				.33
241B	LONG BEACH	A		T		.01			T																	T				T			.01
256B	POMONA	E				.07																								.13				.20
283B	CRYSTAL LAKE	E				.32																								.36				.68
321-E	PINE CANYON	C				T		T																						.10				.10
425B-E	SAN GABRIEL DAM	E			T	.56		T																						.22				.78
440B	CHILAO	B					.33																											.33
455	LANCASTER	E						T																						.09				.09
478	VALYERMO	E						.06																										.06
577F	LOS ANGELES	F				.12		T																	T									.12
610B	PASADENA	E				.59	T	.01																	.02					T				.62
634B	SANTA MONICA	D		T		.04																												.04

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																															0
15	VAN NUYS	B																															0
32C	NEWHALL	C																															0
33A'-E	PACOIMA DAM	E																															0
57B-E	OPID'S	E																															0
85F	CAMP BALDY	B																															0
106C	WHITTIER	E																															0
130B	SANDBERG'S	C																															0
185	GLENDORA	E																															0
241B	LONG BEACH	A																															0
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																															0
610B	PASADENA	E																															0
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					.22																											.22
15	VAN NUYS	B						.03																										.03
32C	NEWHALL	C					.08	.05																										.13
33A'-E	PACOIMA DAM	E					.33	.07																										.40
57B-E	OPID'S	E					.50	.76																										1.26
85F	CAMP BALDY	B						.73																										.73
106C	WHITTIER	E					.03	.34																										.37
130B	SANDBERG'S	C						.10	.03				.01																					.14
185	GLENDORA	E					.30	.58																										.88
241B	LONG BEACH	A					T	.07	T																									.07
256B	POMONA	E					.08	.53																										.61
283B	CRYSTAL LAKE	E					.41	.77																										1.18
321-E	PINE CANYON	C					.06	.04																										.10
425B-E	SAN GABRIEL DAM	E					.44	.96																										1.40
440B	CHILAO	B						.35																										.35
455	LANCASTER	E					T	.01																										.01
478	VALYERMO	E																																0
577F	LOS ANGELES	F					T	.34																										.34
610B	PASADENA	E					.07	.23	.01																									.31
634B	SANTA MONICA	D					.17	.26																										.43

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				.11	1.27		.10	.06		.03		.34	2.91	.01						.38			.15	.51		1.02	.33	.10	1.13			8.45
15	VAN NUYS	B					1.75		T	.15		.01	.02		2.52								.36			.39	.05	.31	.10	.20	.64	.59		7.09
32C	NEWHALL	C				.01	1.06		.12	.08		.01	T	.22	3.12	T						.36	.09		.04	.41	.01	.32	.21	.01	.08			6.15
33A'-E	PACOIMA DAM	E				.04	1.34		.15	.11		.05		.28	2.25							.37	.08		.11	.34	.08	.69	.27	T	.14			6.30
57B-E	OPID'S	E				.11	1.72		.30	.09		.54		.58	4.57							.20	.30		.16	.74	.09	.77	.50	.22	1.47			12.36
85F	CAMP BALDY	B					1.31	.26		.79		1.10	.06		3.40								.50			.08	.03	.80	T	.50	.32	.12		9.27
106C	WHITTIER	E					.54		.08	T		.90		.04	1.50							.38	T		.07	.04	.01	.54	.15	.01	.15	T		4.41
130B	SANDBERG'S	C					1.28		.18						2.99								.42		.15			.10	.50		1.00			6.62
185	GLENDORA	E				.02	.89		.22	.10		1.06		.15	2.81							.24	.01		.05	.17	.05	.53	.23	.05	.24	.02		6.84
241B	LONG BEACH	A					.17	T	T	.20		.34		.01	.89								.29			.18	.15	.52		.15	.16	.22		3.28
256B	POMONA	E				T	.65		.22	.12		.60		.18	1.65							.24			.08	.11		.52	.18		.48			5.03
283B	CRYSTAL LAKE	E				2.40	.40		.49	.21		1.34		.82	6.28							.36	.24			.38		.84	.79	.26	1.07	.09		15.97
321-E	PINE CANYON	C					1.03		.20	.06				.24	2.86							.34			.08	.23	.03	.53	.47	.03	.80			6.90
425B-E	SAN GABRIEL DAM	E				.07	1.48		.15	.14		1.14		.22	3.86							.32	.10		.03	.24	.05	1.01	.26	.03	.49	.01		9.60
440B	CHILAO	B					2.00		.23			.69			4.72								.37			.16	.60	.20		.65	.52	.17		10.31
455	LANCASTER	E					.76		.30	.02					1.78							.17				.06			.26		.50		3.85
478	VALYERMO	E					.30		.23			.37		.10	2.70							.14	.05			.06		.20	.04	.90	.10		5.19
577F	LOS ANGELES	F				.08	.39		.09	T	.03	.20		1.19	.86							.46			.15	.07	.08	.29	.21	.07	.24			4.41
610B	PASADENA	E				.02	.88		.15	.05		.45		.11	2.68							.34			.09	.21	.03	.36	.17	.08	.38			6.00
634B	SANTA MONICA	D				T	T		.41	.04		.04			2.02								.29		.10	.15				.85	.84			4.74

SEASONAL 1956-57 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							T	.10	.02														3.08				.02	1.24	4.46
15	VAN NUYS	B								.03	.01														1.56		.01			.04	1.65
32C	NEWHALL	C							T	.12															1.50					.69	2.31
33A'E	PACOIMA DAM	E							T	.10	.01								.07						1.04	T				.73	1.95
57B-E	OPID'S	E							.26	.45															3.10	.10				.80	4.71
85F	CAMP BALDY	B								.05	.25														2.42	.24					2.96
106C	WHITTIER	E																							1.22					.42	1.64
130B	SANDBERG'S	C							.02		.02														1.62					.55	2.21
185	GLENDORA	E							T	T	.03		T				T	T	.08		T				1.22					.51	1.84
241B	LONG BEACH	A								T								T	T						.58	T				T	.58
256B	POMONA	E																							.98					.40	1.38
283B	CRYSTAL LAKE	E							.15	.68	.14						.05								2.50					1.02	4.54
321-E	PINE CANYON	C								.25	.02									.03					1.17					.75	2.22
425B-E	SAN GABRIEL DAM	E							T	.02	.03							T	.01	T					2.51	.02				.64	3.23
440B	CHILAO	B								.20*															2.11						2.31*
455	LANCASTER	E																							.38					.28	.66
478	VALYERMO	E																	.01	.03					1.07					.10	1.21
577F	LOS ANGELES	F							T	T	T		T				T	T	T	T				.01	.83	T				.63	1.47
610B	PASADENA	E							T	T	.02		T				T	.03	T	T		T			2.40	.01				.66	3.12
634B	SANTA MONICA	D							T	T	.02						T	T	T						2.37					.56	2.95

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	.18								.16							.58			.18													1.10
15	VAN NUYS	B	.67	.01								.24						.66			.01													1.59
32C	NEWHALL	C	1.95								.25							.35	T		.05		T											2.60
33A'E	PACOIMA DAM	E	.88								.37	T						.75	.02		.01		.05											2.08
57B-E	OPID'S	E	.85								.45	.10						.64																2.04
85F	CAMP BALDY	B	.95		.02						T	.58						.32	.24															2.11
106C	WHITTIER	E	.23								.07							.67	.02															.99
130B	SANDBERG'S	C	.04	.07	.07							.12						.47			.11													.88
185	GLENDORA	E	1.19	.02							.27	.20						.67			.01		.06											2.42
241B	LONG BEACH	A	.39	.08								.14						.20			.17													.98
256B	POMONA	E	.56									.20											.65											1.41
283B	CRYSTAL LAKE	E	.35									.67						.53																1.55
321-E	PINE CANYON	C	.50								.04							.50	.05		.07		.01											1.17
425B-E	SAN GABRIEL DAM	E	.58								.86	.09						.57			T		.06											2.16
440B	CHILAO	B	1.05															.30	.10	.03	.03													1.51
455	LANCASTER	E	.11								.06							.38			T													.55
478	VALYERMO	E	.45															.23																.68
577F	LOS ANGELES	F	.09								.38							.52			.02	.01		T										1.02
610B	PASADENA	E	.66	T							.43	.01						.75			.02		.02											1.89
634B	SANTA MONICA	D	.32												.13			.53			.13		T	T										1.11

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																		1.30		.68	.02										2.00
15	VAN NUYS	B																		.50	.06		.29										.85
32C	NEWHALL	C																	.06	.58		.20	.10	.05									.99
33A'E	PACOIMA DAM	E																	.11	.73		.39	.10	T									1.33
57B-E	OPID'S	E																	.25	1.13		.44	.33										2.15
85F	CAMP BALDY	B																		.88	.17		.60	.52	.02								2.19
106C	WHITTIER	E																		.47		.33	.31										1.11
130B	SANDBERG'S	C																		.58		.13											.71
185	GLENDORA	E															.11		.12	.67	.01	.47	.33		.05								1.76
241B	LONG BEACH	A																		.20	.16		.68	.02	T								1.06
256B	POMONA	E																		.51		.39	.31										1.21
283B	CRYSTAL LAKE	E																	.35	1.33		.53	.45	.03									2.69
321-E	PINE CANYON	C																	.17	1.02		.24	.10	T									1.53
425B-E	SAN GABRIEL DAM	E							T								T		.16	.76		.52	.51										1.95
440B	CHILAO	B																		.67	.13		.61										1.41
455	LANCASTER	E																		.10													.10
478	VALYERMO	E																	.18	.01		.06											.25
577F	LOS ANGELES	F																	.39	.44		.63	T	.01									1.47
610B	PASADENA	E																	.02	.88	T	.71	.47	T			T						2.08
634B	SANTA MONICA	D																	T	.08		.55											1.35

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											.09	.06							.96		.02											1.13
15	VAN NUYS	B											.13	.19							.13													.45
32C	NEWHALL	C											.36	.04		.16					.34													.90
33A'E	PACOIMA DAM	E							.01	T			.83	.05	.03	.03	.05			T	.99		.05											2.04
57B-E	OPID'S	E										.08	2.74	.28		.05	.17				1.32		.18											4.82
85F	CAMP BALDY	B											.88	.55	.05		.27				1.04		.20	.06		.08							3.13
106C	WHITTIER	E											.38							.30			.24											.92
130B	SANDBERG'S	C										.30	.81																					1.11
185	GLENDORA	E										T	.49	.20	.01	T	.12				.88	T	.10		T									1.80
241B	LONG BEACH	A								T		T	.07	.13		T					.11		.23											.54
256B	POMONA	E										.05	.31								.39		.10											.85
283B	CRYSTAL LAKE	E										.07	1.20	.30	.04					1.27		.10											2.98
321-E	PINE CANYON	C											.14			.18				T	.47													.79
425B-E	SAN GABRIEL DAM	E										T	.45	.07		.01	.03			T	1.67	.02	.11		.03									2.39
440B	CHILAO	B											.55	.67							.52		.09											1.83
455	LANCASTER	E										.02				.06					.07													.15
478	VALYERMO	E										.02					.03																	.05
577F	LOS ANGELES	F										.03	.05		T	.01				.11	.35	.01	.07											.63
610B	PASADENA	E											.29	.26	T	.02	.22				.54		.10											1.43
634B	SANTA MONICA	D											.03										.37											.40

SEASONAL 1956-57 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										.06																					.06
15	VAN NUYS	B										.10																					.10
32C	NEWHALL	C										.21																					.21
33A'E	PACOIMA DAM	E										.40																					.40
57B-E	OPID'S	E										.40																					.40
85F	CAMP BALDY	B										.35																					.35
106C	WHITTIER	E										.07																					.07
130B	SANDBERG'S	C											.10																				.10
185	GLENDORA	E										.33				T	T	T															.33
241B	LONG BEACH	A										.01																					.01
256B	POMONA	E										.33																					.33
283B	CRYSTAL LAKE	E										.30																					.30
321-E	PINE CANYON	C										.14																					.14
425B-E	SAN GABRIEL DAM	E							T	T	T	.30					T	T															.30
440B	CHILAO	B										.30*																					.30*
455	LANCASTER	E																															0
478	VALYERMO	E																								T							T
577F	LOS ANGELES	F							T		.07	.01																					.08
610B	PASADENA	E										.18																					.18
634B	SANTA MONICA	D										.07																					.07

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	CAMP BALDY	B		.03	.01																													.04
106C	WHITTIER	E										.12																						.12
130B	SANDBERG'S	C																																0
185	GLENDORA	E		.02								.01																						.03
241B	LONG BEACH	A																																0
256B	POMONA	E		T								.08																						.08
283B	CRYSTAL LAKE	E																																0
321-E	PINE CANYON	C																																0
425B-E	SAN GABRIEL DAM	E		.01				T					T																					.01
440B	CHILAO	B																																0
455	LANCASTER	E																																0
478	VALYERMO	E		.09								.05																						.14
577F	LOS ANGELES	F		T								T																						T
610B	PASADENA	E		T				T				T																						T
634B	SANTA MONICA	D																																0

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																																0
32C	NEWHALL	C																																0
33A'E	PACOIMA DAM	E																																0
57B-E	OPID'S	E																																0
85F	CAMP BALDY	B																																0
106C	WHITTIER	E																																0
130B	SANDBERG'S	C																																0
185	GLENDORA	E																									T							T
241B	LONG BEACH	A																																0
256B	POMONA	E																																0
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																									T							0
577F	LOS ANGELES	F																									T							T
610B	PASADENA	E																																0
634B	SANTA MONICA	D																									T							T

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	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	CAMP BALDY	B																																0
106C	WHITTIER	E																																0
130B	SANDBERG'S	C																																0
185	GLENDORA	E																																0
241B	LONG BEACH	A																																0
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						.05	.17																									.22
577F	LOS ANGELES	F																																0
610B	PASADENA	E																																0
634B	SANTA MONICA	D																																0

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 28, 1957

NOTE: FOR SEASON TOTALS SEE TABLE VI

—— INDICATES PERIOD OF TOTAL FOLLOWING

*ESTIMATED FROM NEARBY STATIONS

**PARTLY ESTIMATED

TABLE V

SEASONAL 1955-56 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	1.54	4.31	11.88	1.16	0	3.00	.82	0	0	0	0	22.71
3B	SEMINOLE HOT SPRINGS	0	1.83	1.83	8.69	.89	0	3.19	.96	0	0	0	0	17.39
5B	CALABASAS	D	1.18	2.33	7.23	.42	0	3.04	1.12	0	0	0	0	15.32
6	TOPANGA PATROL STATION	0	2.63	3.19	9.88	2.20	D	4.55	1.93	0	0	0	0	24.38
9B	LINDOMAR NURSERY - SEPULVEDA AND RAYEN	0	1.08	2.05	5.93	.50	0	3.88	1.52	0	0	0	0	14.96
10	BEL AIR HOTEL	0	1.79	2.01	9.03	1.50	0	4.01	.61	0	0	0	0	18.95
11C	UPPER FRANKLIN CANYON RESERVOIR	0	1.70	2.01	7.56	1.60	0	5.52	.84	0	0	0	0	19.23
12	FRANKLIN CANYON - MULHOLLAND HIGHWAY	0	1.28	2.51	6.14	1.51	0	5.82	.92	0	0	0	0	18.18
13	NORTH HOLLYWOOD - BLIX	0	1.38	1.66	6.23	1.16	0	4.78	1.00	0	0	0	0	16.21
14	ROSCOE - MERRILL	0	1.07*	1.25*	6.19	.44	0	3.94	.70	0	0	0	0	13.59
15	VAN NUYS - CITY WAREHOUSE	0	1.07	1.91	6.27	.52	0	3.93	.59	0	0	0	0	14.29
17	SEPULVEDA CANYON - MULHOLLAND HIGHWAY	0	1.75	2.24	6.35	.90	0	4.05	.90	0	0	0	0	16.19
18C	RESEDA	0	1.09	2.02	6.66	.36	0	3.20	.93	0	0	0	0	14.26
20B	GIRARD RESERVOIR	0	1.25	2.24	6.52	.47	0	3.59	1.65	0	0	0	0	15.72
21	BRANT RANCHO - GIRARD	0	1.19	2.09	8.42	.35	0	2.77	1.71	0	0	0	0	16.53
23-E	CHATSWORTH RESERVOIR	0	1.51	2.37	7.71	.51	0	3.01	1.03	0	0	0	0	16.14
24D	CHATSWORTH	0	1.56	2.73	7.89**	.75	0	3.18	1.23	0	0	0	0	17.34**
25B	NORTHRIDGE - ANDREWS	0	1.36	2.20	7.48	.39	0	3.00	1.79	0	0	0	0	16.22
27B	PACOIMA - RADDATZ RANCH	0	1.07	1.92	6.59	.44	0	4.01	.63	0	0	0	0	14.66
28D	SAN FERNANDO LEMON ASSOCIATION	0	1.45	2.12	6.88	.58	T	4.01	.79	0	0	0	0	15.83
29B	GRANADA PUMP PLANT	0	1.83	2.88	8.88	.77	0	4.19	1.82	0	0	0	0	20.37
30B	SYLMAR	0	1.99	2.89	8.35	.77	0	4.82	1.43	0	0	0	0	20.25
31	ORCUTT RANCH	0	2.21	4.11	12.09	1.84	0	5.64	2.75	0	0	0	0	28.64
32C	NEWHALL - SOLEDAD DIVISION HEADQUARTERS	0	1.22	1.71	6.43	.85	0	5.03	1.55	0	.09	0	0	16.88
33A'-E	PACOIMA DAM	0	1.77	2.38	7.19	.84	0	4.45	1.12	T	0	.01	0	17.76
39B	SUNSET DAM	.02	1.36	1.69	7.08	1.05	0	4.26	1.25	0	0	.02	0	16.73
42	REDONDO CITY HALL	0	1.18	1.08	7.73	.43	0	1.79	.50	0	0	0	0	12.71
43C	PALOS VERDES ESTATES - FIRE STATION	0	1.07	.81	5.11	.15	0	1.51	.38	0	0	0	0	9.03
43B	PALOS VERDES GOLF CLUB	0	1.23	1.14	7.38	.50	0	1.87	.23	0	0	0	0	12.35
44	POINT VICENTE LIGHTHOUSE	0	.81	1.31	4.67	.30	0	1.48	.23	0	0	0	0	8.80
46D-E	BIG TUJUNGA DAM	0	2.17	1.52	10.00	1.02	0	4.90	1.49	0	0	0	0	21.10
47A	CLEAR CREEK - CITY SCHOOL	0	2.12	1.61	12.50	2.05	0	5.40	1.94	0	0	0	0	25.62
47C	CLEAR CREEK	0	2.10	1.52	12.43	1.40	0	5.56	1.70	0	0	0	0	24.71
48	OAK WILDE	0	1.49	2.33	10.92	1.21	0	4.67	1.34	0	0	0	0	21.96
50B	LA CANADA - ARROYO SECO	0	1.69	1.71	9.40	1.27	0	4.02	1.46	0	0	0	0	19.55
51	FALLING SPRINGS	T	1.98	1.55	8.90	1.75	0	7.00*	2.07	0	.09	0	0	23.34**
52B	SWITZER'S CAMP	0	1.93	1.69	9.94	1.23	0	4.84	.90	0	0	0	0	20.54
52C	WATERMAN GUARD STATION	0	1.78	1.69	11.59	1.18	0	4.99	1.57	0	0	0	0	22.80
53D	COLBY'S	0	1.58	1.35	9.51	.84	0	4.14	1.30	0	0	0	0	18.72
54C	LOOMIS RANCH - ALDER CREEK	0	1.01	1.57	6.63	.30	0	3.25	.70	0	0	0	0	13.46
57B-E	OPID'S	0	2.85	2.43	12.34	2.30	0	6.78	2.35	0	0	0	0	29.05
58	STURTEVANT CAMP	0	2.24	2.93	14.99	2.32	0	6.64	2.18	0	0	0	0	31.30
60A	HOEGEE'S	0	2.12	2.96	15.27	2.57	0	6.64	2.14	0	0	0	0	31.70
63B-E	BIG SANTA ANITA DAM	0	1.38	1.99	11.37	1.32	0	4.08	1.10	0	0	.02	0	21.26
66	SIERRA MADRE - PEGLAR RANCH	0	1.58	1.59	11.54	1.22	0	3.66	1.17	0	0	0	0	20.76
67D	MONROVIA - NEWS POST	0	2.12	1.80	10.51	1.01	0	3.69	1.29	0	0	0	0	20.42
68B	SAWPIT DAM	0	1.61	1.74	12.02	1.65	0	4.16	1.39	0	T	.04	0	22.61
69B	SAWPIT CANYON	0	1.81	2.14	12.40	1.80	0	4.34	1.47	0	0	.04	0	24.00
70B	ROGER'S CANYON - GOEDERT	0	2.30	1.80	11.45	1.42	0	3.84	1.68	0	0	0	0	22.49
73	GLENDORA - ENGLEWILD RANCH	.02	2.26	1.43	11.77	1.13	0	3.41	1.45	0	.13	.03	0	21.63
76B	SAN GABRIEL DAM CAMP	T	2.37	1.00	10.99	1.30	T	4.35	2.03	0	T	0	0	22.04
80B	PRAIRIE FORK	0	1.34	.93	8.26	.94	0	3.38	1.66	0	.98	0	0	17.49
81B	VINCENT GULCH	0	.56	2.22	11.50	.98	0	4.37	3.06	0	.55	0	0	23.24
82D	TABLE MOUNTAIN	.19	.13	.97	5.06	.64	0	2.90	1.08	0	.44	0	T	12.31
83	BIG PINES RECREATION PARK	.15	1.41	.98	8.67	.99	0	3.55	1.74	0	.51	0	0	18.00
85F	CAMP BALDY GUARD STATION	0	1.71	1.37	9.88	1.10	T	4.37	1.65	0	.24	0	0	20.32
87	SAN DIMAS GUARD STATION	T	1.65	1.17	11.51	1.04	0	3.59	1.00	0	.11	0	T	20.07
89-E	SAN DIMAS DAM	.04	1.69	1.26	11.21	.92	0	3.08	1.10	0	.11	.02	0	19.43
90	ELDER RANCH	0	1.61	1.22	10.95	.92	0	3.05	1.13	0	.10	0	0	18.98
91	INDIAN HILL - CLAREMONT	0	1.52	1.25	9.73	.66	0	2.17	.57	0	.57	0	0	16.47
92	CLAREMONT - POMONA COLLEGE	T	1.45	1.29	9.26	.63	.02	2.49	.54	0	.31	0	0	15.99
93B	CLAREMONT FIRE STATION	.03	1.35	1.33	10.09	.59	T	2.45	.67	0	.26	0	0	16.77
94B	CHARTER OAKS - MAYO	0	1.67	1.29	10.58	.58	0	2.81	1.18	0	.10*	0	0	18.21**
95	SAN DIMAS FIRE WARDEN	.04	1.60	1.21	9.50	.50	0	2.44	.72	0	.38	.05	0	16.44
96B-E	PUDDINGSTONE DAM	.03	1.40	1.19	9.29	.45	T	2.45	.77	0	.26	0	0	15.84
98	AZUSA - HIBSCH	0	1.99	1.42	11.59	.80	0	2.81	.96	0	0	0	0	19.57
99	AZUSA - FOOTHILL RANCH	0	2.00	1.58	10.92	.84	0	2.96	1.24	0	.10	0	0	19.64
101	WEST COVINA - HURST RANCH	0	1.71	1.13	8.82	.51	0	2.65	.63	0	0	0	0	15.45
102B	WALNUT - SO. HILLS PATROL STATION	.01	1.45	.71	8.03	.34	T	2.22	.70	0	0	0	0	13.46
104	NORTH WHITTIER - COLE RANCH	0	1.96	1.05	10.46	.54	0	3.19	.61	0	0	0	0	17.81
106C	WHITTIER CITY HALL	0	1.14	.70	8.49	.42	0	2.98	.44	0	0	0	0	14.17
107C	DOWNEY - FIRE STATION	0	1.04	.68	8.43	.31	0	3.02	.49	0	0	0	0	13.97
108C	EL MONTE FIRE STATION	0	1.98	1.07	9.92	.57	0	3.43	.66	0	0	0	0	17.63
109D	WEST ARCADIA	0	1.87	1.34	8.33	1.23	T	3.82	1.05	0	0	0	0	17.64
110	ALHAMBRA - CITY HALL	0	2.18	1.29	9.79	.83	0	4.37	.78	0	0	0	0	19.24
111	SOUTH PASADENA - CITY HALL	0	1.81	1.28	9.40	.93	T	3.98	.55	0	0	0	0	17.95
116C	INGLEWOOD - FIRE STATION	0	1.92	1.02	8.15	.59	0	2.45	.70	0	0	0	0	14.43
117B'	COMPTON - FIRE STATION	0	1.00	.78	8.39	.40	0	2.65	.37	0	0	0	0	13.59
118B	WILMINGTON	0	1.06	.65	7.06	.55	0	1.79	.30	0	0	0	0	11.41
119D	SAWTELLE - SOLDIER'S HOME	0	1.72	1.80	9.09	1.27	0	3.03	.70	0	0	0	0	17.61
120	VINCENT PATROL STATION	0	.39	.50	2.94	.13	0	1.76	.13	0	0	0	0	5.85
121B	LANCASTER HIGH SCHOOL	0	.22	.51	1.43	.10	0	1.20*	.07*	0	.05*	0	0	3.58**
122C	LEONIS VALLEY - RITTER RANCH	0	1.35	1.37	4.96	.32	0	2.64	.70	0	0	0	0	11.34
124B	BOUQUET CANYON RESERVOIR	0	1.24	1.82	4.64	.55	.12	2.99	1.20	0	0	0	0	12.56
125	SAN FRANCISQUITO CANYON - POWER HOUSE NO. 1	0	1.42	2.84	5.05	1.01	0	3.49	2.08	0	0	0	0	15.89
126B	VENICE - FIRE STATION	.01	2.17	1.35	7.89	.63	0	2.31	.37	0	0	0	0	14.79
127	DRY CANYON RESERVOIR	0	.98	1.27	4.67	.58	T	3.11	1.56	0	0	0	0	12.17
128B	ELIZABETH LAKE CANYON - WARM SPRINGS CAMP	0	2.04	4.37	6.92	1.67	0	5.10	2.42	0	0	0	0	22.52
130B	SANDBERG'S - QUAIL LAKE PATROL STATION	0	.88	2.91	1.83	.23	.05	3.59	1.33	0	0	0	0	10.82
134	SAN DIMAS - STEVENS	.02	1.75	1.30	10.60	.66	0	2.75	1.01	0	.25	0	0	18.34
135	NORWALK	0	1.85	.68	8.70	.36	0	3.80	.36	0	0	0	0	15.75
136B	HOLLYWOOD - CITY ENGINEER	0	2.02	1.34	9.89	.95	0	4.82	.91	0	0	0	0	19.93
139	LOS ANGELES WATER DEPARTMENT	T	1.97	1.28	6.52	.71	0	4.08	.51	0	0	T	0	15.07
140	SAWTELLE	0	1.77	1.69	9.44	1.15	0	3.03	.50	0	0	0	0	17.58
143	AZUSA - CITY PARK	T	1.88	1.41	11.82	.83	T	2.74	1.04	0	.02	0	0	19.74
144	SIERRA MADRE DAM	0	1.42	1.80	11.79	1.47	0	3.87	1.15	0	0	0	0	21.50
155B	LITTLE ROCK CREEK	0	.30	.73	3.57	.12	0	1.52	.06	0	T	0	0	6.30
156	LA MIRADA - STANDARD OIL COMPANY	0	1.39	.63	7.72	.37	0	2.75	.63	0	0	0	0	13.49
157B	EL SEGUNDO - STANDARD OIL COMPANY	0	1.57	.99	8.03	.46	T	1.88	.47	0	0	0	0	13.40
158	TANBARK FLATS	.01	1.95	1.04	10.57	1.25	T	3.68	1.39	0	0	T	T	20.16
167	ARCADIA PUMPING PLANT NO. 1	0	1.51	1.61	10.30	1.11	0	3.47	1.12	0	0	0	0	19.12
169-E	SIERRA MADRE PUMPING PLANT	0	1.38	1.65	11.25	1.23	0	3.58	1.18	0	0	0	0	20.27
170C	POTRERO HEIGHTS	0	1.76	1.04	9.82	.57	0	3.44	.52	0	0	0	0	17.15
171	CHAPMAN WELLS	0	1.66	1.11	10.45	.99	0	3.44	1.10	0	0	0	0	18.75
172B	DUARTE	0	1.75	1.40	9.70	.96	0	3.13	.81	0	0	0	0	17.75

SEASONAL 1955-56 MONTHLY RAINFALL SUMMARY

RAINFALL RECORDS IN INCHES

STA. NO.	STATION	OCT.	NOV.	DEC.	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	SEAS. TOTAL
174	GLENDORA - WARREN	.01	1.83	1.35	8.52	.64	T	2.96	.96	0	.24	0	0	16.15
175B	ALTA CANYADA - LA CANADA IRRIGATION DISTRICT	0	1.68	2.21	11.13	1.55	0	5.21	1.38	0	0	0	0	23.16
176	ALTADENA - RUBIO CANYON	0	2.05	1.49	9.38	1.25	0	4.15	1.00	0	0	0	0	19.32
177F	LA CANADA - AP ROBERTS	0	1.51	1.67	11.06	1.27*	0	3.38	1.60	0	0	0	0	20.49**
179F	SIERRA MADRE - IN	0	1.41	1.71	9.97	1.39	0	3.81	1.19	0	0	.02	0	19.50
181B	BASSETT - CLIFFORD	0	1.70	1.06	7.61	.46	0	3.01	.44	0	0	0	0	14.28
185	GLENDORA - WEST	T	2.11	1.42	10.77	.91	0	3.12	1.57	0	.14	T	0	20.04
188C	SAN DIMAS - MORRISON	.05	1.68	1.16	10.01	.59	0	2.36	.76	0	.36	0	0	16.97
191B	LOS ANGELES - ALCAZAR	0	2.00	1.16	9.31	.63	0	4.10	.61	0	0	0	0	17.81
192B	BELL FIRE STATION	0	1.17	.78	8.44	.35	0	2.93	.44	0	0	0	0	14.11
193	COVINA NO. 2 - TEMPLE	.01	1.47	1.13	8.74	.42	0	2.51	1.13	0	T	T	0	15.41
196B	LA VERNE - POLICE DEPARTMENT	.01	1.45	.89	9.34	.55	0	2.41	.75	0	.06	0	0	15.46
198B	BRAND DEBRIS BASIN	.01	1.39	1.33	6.37	1.04	0	4.41	.95	0	0	0	0	15.50
199B	HUNTINGTON PARK - CITY YARD	0	1.36	.91	8.95	.51	0	3.24	.53	0	0	0	0	15.50
200	SAUGUS - S.C.E. CO. SUBSTATION	0	.86	1.35	4.90	.37	0	3.22	.92	0	0	0	0	11.62
201	PUENTE HILLS - ALTA MIRA RANCH	0	1.77	1.05	10.60	.65	0	3.08	.67	0	0	0	0	17.82
206	VALENCIA HEIGHTS	0	1.55	.98	8.20	.43	0	2.48	1.13	0	0	0	0	14.77
208B	ARTESIA	0	1.03	.56	6.93	.27	0	3.27	.30	0	0	0	0	12.36
210B	BRAND PARK	0	1.55	1.53	7.23	1.16	0	4.31	.94	0	0	0	0	16.72
213D	LOS ANGELES - HANCOCK PARK	0	2.06	1.57	8.44	.69	0	3.36	.76	0	0	0	0	16.88
215D	BELLFLOWER - PRESS TELEGRAM	0	1.08	.73	8.39	.24	0	2.75	.26	0	0	0	0	13.45
216	GLENDALE - JONES	0	1.62	1.33	6.25	1.00	0	3.90	1.13	0	0	0	0	15.23
219	PACOIMA WAREHOUSE - COUNTY FORESTRY	0	1.05*	1.75**	4.62	.75	0	3.17	.57	0	0	0	0	11.91**
221D	PACOIMA WASH - DUCKWORTH RANCH	0	1.60	2.20	7.00	.65	0	4.28	1.09	0	0	0	0	16.82
222	LANKERSHIM GENERATING PLANT	0	.91	1.23	4.98	.32	0	3.70	.50	0	0	0	0	11.64
223B-E	BIG DALTON DAM	.03	2.29	1.45	11.62	1.36	T	3.81	1.62	0	.19	.03	T	22.40
224B	LONG BEACH-ALAMITOS LAND CO.	0	.97	.48	7.80	.47	0	2.90	.24	0	0	0	0	12.86
225	MONTANA RANCH	0	1.05	.46	8.85	.44	0	3.04	.32	0	0	0	0	14.16
226	BURBANK FIRE STATION	0	1.43	1.26	6.21	1.05	T	4.33	1.29	0	0	0	0	15.57
227D	SAN GABRIEL - BRUINGTON	0	2.02	1.33	9.45	.78	0	3.81	.93	0	0	0	0	18.32
228B	BEVERLY HILLS - CITY HALL	T	1.98	1.33	9.88	.95	T	4.04	.60	0	0	0	0	18.78
230C	LIVE OAK CANYON - ELDER	.02	1.92	1.36	9.50	.66	T	2.21	.61	0	.35	0	0	16.63
235B	HENNINGER FLATS	T	1.58	1.83	10.97	1.44	0	4.79	1.40	T	0	.06	0	22.07
236B	SAN FERNANDO - MOLLIN GROVES	0	1.85	2.75	7.45	.75	0	4.05	1.02	0	0	0	0	17.87
237C	STONE CANYON RESERVOIR	0	1.85	2.14	8.79	1.55	0	4.68	.80	0	0	0	0	19.81
238	HOLLYWOOD DAM	0	1.68	1.51	8.15	1.23	0	4.21	1.35	0	0	0	0	18.13
241B	LONG BEACH - VETERANS' MEMORIAL BUILDING	0	1.05	.45	6.59	.53	0	2.35	.22	0	0	0	0	11.19
246B	CULVER CITY - BUS YARD	0	1.70	1.35	7.14	.69	0	2.91	.78	0	0	T	0	14.57
250D	ACTON CAMP	0	.52	.52	4.03	.19	0	1.81	.20	0	0	0	0	7.27
251	LA CRESCENTA	0	1.63	1.97	10.43	1.35	0	4.97	1.64	0	0	0	0	21.99
254B	PUENTE - ROWLAND RANCH	0	1.61	.87	8.55	.37*	0	2.43*	.97	0	0	0	0	14.80**
255A	MOUNT SAN ANTONIO COLLEGE - SPADRA	.02	1.55	1.02	8.58	.57	0	2.29	.72	0	0	0	T	14.75
256B	POMONA - FIRE STATION	T	1.30	1.07	8.03	.40	0	1.95	.61	0	.07	0	0	13.43
257	GRIFFITH PARK NURSERY	0	1.90	1.49	8.60	.98	0	4.71	.92	0	0	0	0	18.60
258a	GRIFFITH PARK TUNNEL	0	1.80	1.73	8.41	1.15	0	4.62	1.10	0	0	0	0	18.81
258b	GRIFFITH PARK - SOUTH SLOPE MOUNT HOLLYWOOD	0	1.80	1.68	8.66	1.21	0	4.84	1.11	0	0	0	0	19.30
258c	GRIFFITH PARK - NORTH SLOPE MOUNT HOLLYWOOD	0	1.84	1.75	8.83	1.20	0	4.69	1.17	0	0	0	0	19.48
259C	CHATSWORTH PATROL STATION	0	1.68	3.08	8.94	.96	0	3.95	1.41	0	0	0	0	20.02
261B-E	ACTON - ESCONDIDO CANYON	0	.54	.81	4.68	.20	0	2.52	.32	0	T	0	0	9.07
263F	POMONA - STEVENS	0	1.50*	1.07	8.46	.40	0	1.97	.60	0	.07*	0	0	14.07**
265C	PUENTE HILLS - WEISEL RANCH	0	1.69	.88	9.29	.55	0	2.67	1.16	0	0	0	0	16.24
266B	LEFFINGWELL RANCH - EAST WHITTIER	0	1.98	.83	8.02	.41	T	2.60	.89	0	0	0	0	14.13
269A	DIAMOND BAR RANCH NO. 1	.05	1.72	.87	10.41	.64	0	2.98	1.17	0	0	0	0	17.84
269B	DIAMOND BAR RANCH NO. 2	0	1.56	.75	9.72	.52	0	2.58	.95	0	0	0	0	16.08
270B	COUNTY FARM - RANCHO LOS AMIGOS	0	1.05	.69	8.27	.41	0	2.74	.33	0	0	0	0	13.49
271	DOMINGUEZ HILLS	0	.81	.55	8.34	.52	0	1.48	.30	0	0	0	0	12.00
272B	LOS ANGELES - HEADWORKS PUMPING PLANT	0	1.70	1.37	6.87	1.40	0	4.98	1.28	0	0	0	0	17.60
273D	SAN PEDRO HILLS - MC CARRELL	0	1.53	1.60	9.52	1.05	0	2.10	.40	0	0	0	0	16.20
274	ACTON - HUBBARD	0	.53	.52	4.45	.16	0	2.06	.23	0	0	0	0	7.95
275	SAN MARINO HUNTINGTON LIBRARY	.05	1.98	1.49	9.39	1.00	0	4.10	.84	0	0	0	0	18.85
277	SAWMILL MOUNTAIN RANCH	0	1.68	4.16	3.99	1.27	T	3.94	2.20	0	0	0	0	17.24
278B	LOS ANGELES - CLARK MEMORIAL LIBRARY	0	1.85	1.56	8.66	.55	0	3.24	.76	0	0	0	0	16.62
279C	PASADENA GLEN - WEIDEN	0	1.50	1.72	10.49	1.39	0	4.44*	.96	0	0	.04*	0	20.54**
280B	FLINTRIDGE FIRE STATION	0	1.78	1.77	9.82**	1.42	0	4.52	1.45	0	0	0	0	20.76**
283B	CRYSTAL LAKE - E. PINE FLATS	T	2.53	1.92	10.21	1.40	0	7.26	2.82	0	.12	0	0	25.86
284C	PLACERITA CANYON	0	1.67	1.17	5.32	1.17	0	5.36	2.04	0	0	0	0	16.73
285C	MOUNT ST. MARY'S COLLEGE	0	2.23	2.45	10.51	1.80	0	4.10	.90	0	0	0	0	21.99
287	GLENDORA - MUTUAL CONSOLIDATED IRR. COMPANY	0	2.22	1.39	10.66	.84	.04	2.91	1.50	0	.12	T	0	19.68
289	LAGUNA - BELL S.C.E. CO. SUBSTATION	0	1.17	.77	7.94	.43	0	3.04	.30	0	0	0	0	13.65
290B	MONTEREY PARK - FIRE STATION	0	1.71	1.05	9.71	.55	0	3.65	.45	0	0	0	0	17.12
291	LOS ANGELES - 96TH AND CENTRAL	0	1.23	.78	8.39	.38	0	3.49	.33	0	0	0	0	13.60
292B-E	ENCINO RESERVOIR NO. 2	0	1.41	2.15	6.40	.64	0	4.02	.96	0	0	0	0	15.58
293-E	VAN NORMAN LAKE - LOWER	0	1.67	2.55	8.21	.74	0	4.00	1.38	0	0	0	0	18.55
294	SIERRA MADRE - MIRA MONTE PUMPING PLANT	0	1.47	1.78	11.80	1.44	0	3.92	1.26	0	0	0	0	21.67
295G	GLENDALE - STAPENHORST	0	1.76	1.31	7.95	.89	0	4.13	.95	0	0	0	0	16.99
298B	GORMAN	0	.68	2.41	1.96	.18	0	2.32	.53	0	0	0	0	8.08
299C	LITTLE ROCK	0	.11	.60	2.25	T	0	1.35	0	0	.09	0	0	4.40
303F	PASADENA - CAL TECH	0	1.97	1.39	10.27	1.03	0	3.87	.81	0	0	T	0	19.34
304	SAWPIT CANYON - DEER PARK	0	1.93	2.46	14.61	2.00	0	5.48	1.79	0	0	.05	0	28.32
306C	TRANCAS BEACH	0	1.24	2.49	9.07	.86	0	2.50	.74	0	0	0	0	16.90
311b	PASADENA METEOROLOGICAL STATION	0	1.70	1.48	8.62	1.06	0	3.79	1.01	0	0	.01	0	17.67
312	AZUSA PLANT - GLENDORA IRRIGATION COMPANY	0	2.14	1.53	10.55	.98	T	3.34	1.16	0	0	0	0	19.70
318B	JACKSON LAKE - BIG PINES	.15*	1.05	.37	8.14	.22	0	6.18	1.01	0	.84	0	T	17.96**
321-E	PINE CANYON PATROL STATION	0	1.50	2.72	4.38	1.31	0	3.53	2.16	0	.06	0	0	15.66
322	MUNZ VALLEY RANCH	0	.50	1.17	1.98	.15	.05	1.77	.54	0	0	0	0	6.16
334B-E	COGSWELL DAM	0	2.00	1.45	10.02	1.10	0	6.25	2.14	0	0	0	0	22.96
336	SILVER LAKE RESERVOIR	0	1.89	1.27	7.63	.76	0	3.99	.52	0	0	0	0	16.06
338A	MOUNT WILSON - OBSERVATORY	0	2.31	2.84	11.81	1.84	0	7.18	2.01	0	0	0	0	28.89
338B	MOUNT WILSON - AIRWAYS STATION	0	1.72	2.53	11.16	1.40	0	5.90	1.70	0	.01	0	0	24.42
339	WALNUT FRUIT GROWERS ASSOCIATION	0	1.68	.82	8.16	.42	0	2.48	.62	0	0	0	0	14.18
341	ALISO CANYON - BLUM RANCH	0	.38	.66	3.26	.17	0	2.29	.16	0	.02	0	0	6.94
342	UPLAND - CADNUM	0	1.46	1.15	9.95	.66	0	2.46	.63	0	.30	0	0	16.61
343B	RIVERA - TELEGRAPH ROAD	0	1.06	.84	8.64*	.46*	0	3.14	.44	0	0	0	0	14.58**
347E	BALDWIN PARK EXPERIMENTAL STATION	0	1.80	1.21	9.77	.98	0	2.75	.54	0	0	0	0	17.05
349B	CAMP RINCON	T	2.19	1.03	11.37	1.44	0	4.65	2.36	0	0	0	0	23.04
351D	PALMDALE	0	.31	.70	2.74	0	0	1.75	.12	0	.05	0	0	5.67
352B	LACHUSA PATROL STATION	0	1.95	4.07	11.58	1.59	0	3.21	.99	0	0	0	0	23.39
355	LOS ANGELES - CITY COLLEGE	0	2.04	1.31**	7.79	.76	0	4.21	.68	0	0	0	0	16.79**
356C	SPADRA - PACIFIC COLONY	T	1.54	1.19	8.17	.41	0	2.30	.83	0	.09	0	0	14.53
357	SAN FERNANDO POWER HOUSE NO. 3	T	1.94	2.99	8.77	.86	0	4.38	1.80	0	0	0	0	20.74
362	EL MIRADOR RANCH	0	1.88	1.65	9.26	1.18	0	4.14	1.13	0	0	0	0	19.24
363B	WILSON CANYON	0	2.44*	2.32*	10.37*	1.36	0	6.97	2.29	0	0	0	0	25.75**
364	HAINES CANYON - LOWER	0	1.63	1.88	8.25	1.32	0	5.80	2.12	0	0	0	0	21.00
367	HAINES CANYON - UPPER	0	1.52	2.30	8.57	1.47	0	6.21	1.78	0	0	0	0	21.85
372	SAN FRANCISQUITO POWER HOUSE NO. 2	0	1.32	2.15	5.62	1.09	0	3.64	2.10	0	0	0	0	15.92

SEASONAL 1955-56 MONTHLY RAINFALL SUMMARY

RAINFALL RECORDS IN INCHES

STA. NO.	STATION	OCT.	NOV.	DEC.	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	SEAS. TOTAL
373	BRIGGS TERRACE	0	1.69	2.23	10.86	1.57	0	5.42	1.90	0	0	0	0	23.67
375B	GRIFFITH PARK ZOO	0	2.79	1.43	10.01	1.19	0	4.83	1.10	0	0	0	0	21.35
377F	LAKE SHERWOOD ESTATES	0	1.46	2.55	8.45	.79	0	3.36	.99	0	0	0	0	17.60
379B	SAN GABRIEL - EAST FORK	.04	2.53	.91	9.07	1.23	0	4.22	2.17	0	0	0	0	20.17
380	EL SERENO - MORGAN	0	1.90	1.34	9.30	.75	0	4.06	.73	0	0	0	0	18.08
381C	SANTA MONICA - OUTLOOK	0	1.71	1.36	8.54	.87	0	2.55	.42	0	0	0	0	15.45
384B	HIGHLAND PARK - SAN RAFAEL HILLS	0	1.91	1.58	9.49	1.14	0	4.34	.93	0	0	0	0	19.39
386C	ZUMA CANYON - OAKLEY	0	2.55	4.84	11.95	1.64	T	3.41	1.36	0	0	0	0	25.75
388C	CLEARWATER - COUNTY FIRE STATION	0	.96	.62	8.88	.33	0	2.73	.22	0	0	0	0	13.74
389	GLENDORA - BROWN	T	2.11	1.66	11.55	1.09	0	3.18	1.50	0	.15	T	0	21.24
390B-E	MORRIS DAM	0	2.62	1.68	12.71	1.57	.05	3.93	1.84	0	0	.03	0	24.43
391B	MONTEBELLO - FIRE DEPARTMENT	0	1.61	.90	9.92	.59	0	3.37	.66	0	0	0	0	17.05
394	HIGHLAND PARK - LINDSAY	0	1.70	1.30	8.77	.98	T	3.97	.70	0	0	0	0	17.42
395B	OLIVE VIEW SANITARIUM	0	2.03	2.66	9.14	.84	0	4.24	1.39	0	0	0	0	20.30
402C	CEDAR SPRINGS - STATE PRISON CAMP	0	.50	1.91	10.41	.88	0	5.87	1.90	0	.50	0	0	21.97
404	GLENDALE - OPID'S	0	1.76	1.34	7.96	.98	0	3.86	1.24	0	0	0	0	17.14
405	SOLEDAD CANYON - ECKLES	0	1.16	.77	4.45	.51	.04	3.29	.81	0	0	0	0	11.03
406C	WEST AZUSA - AZUSA IRR. CO. PLANT NO. 6	0	1.76	1.17	10.33	.61	0	2.64	1.02	0	0	0	0	17.53
407-E	NEWHALL - U.S.F.S. HEADQUARTERS	0	1.64	2.53	6.80	1.25	0	5.56	2.40	0	0	0	0	20.18
409	RIDGE ROUTE - STATE HIGHWAY MAINTENANCE STA.	0	.94	3.45	2.85	.11	0	2.87	.92	0	0	0	0	11.14
410D	RIDGE ROUTE - PARADISE RANCH	0	1.88	5.03	5.54	1.78	0	4.30	1.97	0	0	0	0	20.50
411C	RIVERA - PICO - ROBINSON	T	1.44	.85	8.60	.46	0	3.07	.48	0	0	0	0	14.90
415	SIGNAL HILL - CITY HALL	0	.92	.43	7.80	.45	0	2.51	.21	0	0	0	0	12.32
419B	SANTA CLARA RIDGE - MT GLEASON	0	1.25	2.28	9.38	.79	0	3.46	1.28	0	0	0	0	18.44
420A	ACTON - COLOMBO RANCH	0	.91	.88	4.72	.15	0	2.55	.50	0	0	0	0	9.71
422C	PACOIMA CANYON - WALSH RANCH	0	2.34	2.47	9.08	1.64	T	5.72	1.72	0	0	0	0	22.97
423A	ACTON - ALISO CANYON	0	1.10	.87	7.58	.44	T	2.34	.72	0	0	0	0	13.05
425B-E	SAN GABRIEL DAM	T	2.26	1.35	12.36	1.65	T	4.18	2.11	0	.01	T	T	24.32
427B	DOWNEY - JORDAN	0	1.30	.79	8.64	.46	0	3.15	.40	0	0	0	0	14.74
430	SAUGUS - STATE HIGHWAY MAINTENANCE STATION	0	.79	1.03	4.22	.44	0	3.19	.95	0	T	0	0	10.62
432	SANTA ANITA - FERN LODGE	0	1.87	2.51	15.06*	1.79	0	5.92	1.67	0	0	0	0	28.82**
433C	FAIR OAKS DEBRIS BASIN	0	1.59	1.77	9.11	1.31	0	4.25	1.23	0	0	0	0	19.30
434	MALIBU - DIVISION HEADQUARTERS	0	1.43	2.54	6.94	.59	0	2.44	.63	0	0	0	0	14.57
435	MONTE NIDO	0	1.99	3.32	9.02	1.49	0	3.65	1.20	0	0	0	0	20.67
436B	HANSEN DAM	0	1.05	1.43	6.75	.50	0	3.45	.53	0	0	0	0	13.71
437	HAMILTON BOWL - LONG BEACH	0	.90	.54	6.87	.46	0	2.29	.21	0	0	0	0	11.27
440B	CHILAO - U.S.F.S. CAMP	0	1.64	1.64	7.75	1.49	0	5.79	1.80	0	0	0	0	20.11
441B-E	PALMDALE - COUNTY ROAD MAINTENANCE YARD	0	.34	.69	2.86	.01	0	.91	.12*	0	.05	0	0	4.98**
442	MESCAL CREEK - FORT TEJON ROAD	.01	.27	.58	2.23	.01	0	1.61	.08	0	.18	0	0	4.97
443B	LATIGO CANYON BEACH RANCH	0	2.36	4.72	11.71	1.41	0	3.70	1.34	.01	0	0	0	25.25
444C	ROLLING HILLS	0	1.18	1.06	9.13	.65	0	1.82	.35	0	0	0	0	14.19
445B	LIVE OAK DAM	0	1.77	1.33	9.98	.78	0	2.76	1.15	0	.13	0	0	17.90
446	ALISO CANYON - SANTA SUSANA MOUNTAINS	0	2.02	3.99	11.27	1.28	0	4.66	2.45	0	0	0	0	25.67
447B	LAS FLORES PATROL STATION	0	1.91	2.16	9.00	1.04	0	2.85	2.02	0	0	0	0	18.98
449B	EATON DAM	0	1.59	1.52	10.05	1.19	0	3.86	.93	0	0	T	0	19.14
451B	CASTAIC PATROL STATION	0	1.17	1.65	6.02	.56	0	2.96	.70	0	0	0	0	13.06
453B	DEVIL'S GATE DAM	0	1.72	1.77	8.81	1.21	0	3.81	1.12	0	0	0	0	18.44
455	LANCASTER - STATE HIGHWAY MAINTENANCE STA.	0	.30	.61	1.62	.07	0	1.31	.07	0	.05	0	0	4.03
456	PIUTE BUTTE - GOLDEN MESA DUDE RANCH	0	0	.40	2.46	0	0	.85	0	0	.10*	0	0	3.81**
458	ZUMA CANYON PATROL STATION	0	1.20	3.24	9.69	.96	0	2.17	.58	0	0	0	0	17.84
460B	PLEASANT VIEW MESA - NEAL	0	.25	.84	5.08	.12	0	1.69	.29	0	0	0	0	8.27
461	BALDWIN HILLS - STANDARD OIL FIELD OFFICE	0	1.78	1.34	8.10	.57	0	2.88	.80*	0	0	0	0	15.47**
462B	HILLCREST COUNTRY CLUB - LOS ANGELES	0	1.93	1.65	9.64	.83	0	3.26	.67	0	0	0	0	17.98
463	MAR VISTA SOUTHERN CALIFORNIA WATER CO.	0	2.08	1.34	8.03	1.15	0	2.62	.43	0	0	0	0	15.65
464	TUJUNGA CANYON HONOR CAMP NO. 5	0	1.86	1.19	8.83	.95	T	4.24	1.58	0	0	0	0	18.65
465B	SEPULVEDA DAM - AUTOMATIC	0	1.25	1.75	6.13	.47	0	3.96	.63	0	0	0	0	14.19
466B	PACOIMA CANYON - DUTCH LOUIE CANYON	T	1.88	2.53	9.65	1.29	T	5.76	1.64	0	0	0	0	22.75
468	PICKENS DEBRIS BASIN	0	1.62	2.09	10.06	1.25	0	4.36	1.38	0	0	0	0	20.76
470	TUJUNGA - MILL CREEK	0	1.09	1.55	6.79	.35	0	3.20	.60	0	0	0	0	13.58
471	LITTLE TUJUNGA - GOLD CREEK	N.R.	N.R.	N.R.	INC.	INC.	N.R.	N.R.	N.R.	0	0	0	0	INC.
473	AQUA DULCE CANYON - BLACKWELL RANCH	0	.71	.87	4.83	.32	0	2.90	.48	0	0	0	0	10.11
474B	SOUTH GATE - FIRE DEPARTMENT	0	1.24	.75	8.10	.48	0	2.64	.66	0	0	0	0	13.87
475	SAUGUS - NEWHALL LAND AND FARMING COMPANY	0	0.86	1.45	5.23	.58	0	3.73	1.04	0	0	0	0	12.89
476C	TRIUNFO CANYON - HIDDEN BROOK	0	1.24	2.85	7.49	.64	0	2.58	.91	0	0	0	0	15.71
477B	SANTA ANITA - SPRING CAMP	0	1.91	1.94	12.83	1.90	0	6.19	2.29	0	T	0	0	27.06
478	VALYERMO - U.S.F.S HEADQUARTERS	0	.18	.61	3.90	0	0	1.75	.15	0	.04	0	0	6.63
480B	TEMPLE CITY FIRE STATION	0	1.91	1.25	9.52	.68	0	3.62	.89	0	0	0	0	17.87
482	LOS ANGELES - U.S.C.	0	1.84	1.25	8.22	.55	T	3.40	.87	0	0	0	0	16.13
486B	COLDWATER CANYON - WIDMAN RANCH	.08	2.05	1.40	9.16	1.26	.02	4.53	2.23	0	1.29	0	T	22.02
488	KAGEL CANYON PATROL STATION	0	1.36	2.12	5.61	.60	0	4.12	.80	0	0	0	0	14.61
489	COLD CREEK - STUNT'S RANCH	0	2.03	3.22	7.71	1.61	0	4.31	1.62	T	0	T	0	20.50
490	LANCASTER - WILEY RANCH	0	0	.50	2.10	0	0	.80	0	0	.10	0	0	3.50
491B	PACIFIC PALISADES	0	2.08	1.98	8.71	1.43	0	3.06	.84	0	0	0	0	18.10
492	CHILAO - STATE HIGHWAY MAINTENANCE STATION	0	1.60	1.13	6.90	.70	T	4.84	1.65	0	0	0	0	16.82
493B	SAND CANYON - BARRUS	0	2.20	1.10	6.01	1.07	0	5.39	2.08	0	0	0	0	17.85
497	CLAREMONT - SLAUGHTER	.04	1.71	1.24	9.67	.63	0	2.26	.77	0	.28	0	0	16.60
498	ANGELES CREST HIGHWAY - DARK CANYON TRAIL	0	1.77	2.81	12.41	1.75	0	5.12	1.76	0	0	0	0	25.62
508C	ARROYO SECO - RANGER STATION	0	1.60	1.76	7.79	1.20	0	3.89	1.43	0	0	.01	0	19.68
517B	ANDERSEN RANCH	0	.58	1.10	7.20	.03	0	2.53	.52	T	.77	0	0	12.73
519B	ELIZABETH LAKE - STRANDBERG	T	1.38	3.96	4.61	.95	0	3.13	1.85	0	T	0	0	15.88
530	CONEJO RANCH	0	.99	2.61	8.23	.55	0	2.46	.78	0	0	0	0	15.62
542-E	FAIRMONT	0	1.19	2.42	3.24	.55	0	2.80	1.56	0	0	0	0	11.76
551	HUENEME LIGHTHOUSE	0	1.45	4.27	10.46	1.09	0	1.67	.45	0	0	0	0	19.39
557	LA HABRA - CITRUS ASSOCIATION	0	1.41	.75	8.02	.42	0	2.56	1.21	0	0	0	0	14.37
565B	LONG BEACH - CITY AUTOMATIC	0	.81	.39	6.77	.42	0	2.00	.19	0	0	0	0	10.58
566	LONG BEACH NO. 1	0	1.16	.56	7.48	.48	0	2.36	.21	0	0	0	0	12.25
571C	LONG BEACH NO. 6	0	.75	.45	5.92	.45	0	2.29	.21	0	0	0	0	10.07
575C	LONG BEACH WEATHER BUREAU	0	1.02	.46	8.12	.50	0	2.66	.23	0	T	T	0	12.99
577F	L.A. (U.S.W.B.) - FEDERAL BUILDING	T	1.68	1.11	8.39	.59	T	3.72	.46	0	0	T	0	15.95
587	SAN ANTONIO CANYON - POWER HOUSE NO. 1	0	1.58	1.13	11.64	1.24	T	3.48	1.33	0	.37	.02	0	20.97
588C	MOUNT LOWE	0	2.02	2.64	13.48	1.94	0	4.51	1.19	0	0	0	0	25.78
593B	NEWHALL RANCH	0	1.61	2.46	6.55	.72	0	2.66	1.03	0	0	0	0	15.03
598	NEENACH	0	.51	1.52	1.16	.10	0	1.62	.75	0	.01	0	0	5.67
610A	PASADENA - JONES	0	1.80	1.64	9.96	1.35	0	3.70	.93	0	0	T	0	19.38
610B	PASADENA - CITY HALL	0	1.81	1.65	9.05	1.21	0	4.03	.90	0	0	.01	0	18.66
611C	ALTADENA GOLF COURSE	0	1.56	1.49	10.41	1.23	0	3.87	1.05	0	0	0	0	19.61
612	PASADENA - CHLORINE PLANT	0	1.69	1.77	9.52	1.09	0	3.93	1.18	0	0	.01	0	19.19
613B	PASADENA - HURLBUT FIRE STATION	0	1.81	1.53	9.12	.94	0	3.90	.85	0	0	.01	0	18.16
617B	POMONA - ADAMSON	T	1.49	1.31	8.91	.45	T	2.31	.70	0	.07	0	0	15.24
618B	TAPO CITRUS ASSOCIATION	0	.91	2.18	8.04	.45	0	2.55	.47	0	0	0	0	14.60
619	SAN ANTONIO CANYON - SIERRA POWER HOUSE	0	2.10	1.13	10.85	1.17	T	4.26	1.32	0	.22	0	0	21.05
627	SAN GABRIEL CANYON POWER HOUSE	0	2.12	1.72	10.96	1.13	0	3.37	1.47	0	T	T	0	20.77
629C	SAN PEDRO U.S.W.B.	0	.44	.72	7.53	.55	0	1.93	.15	0	0	0	0	11.32
634B	SANTA MONICA - CITY HALL	0	1.68	1.42	8.38	.86	0	2.62	.45	0	0	0	0	15.41
644	SOMIS - SNYDER RANCH	0	1.25	3.05	7.83	.58	0	1.78	.64	0	0	0	0	15.13

SEASONAL 1955-56 MONTHLY RAINFALL SUMMARY

RAINFALL RECORDS IN INCHES

STA. NO.	STATION	OCT.	NOV.	DEC.	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	SEAS. TOTAL
647G	SUNLAND - TUJUNGA	0	1.32	1.68	7.96	.60	0	4.62	1.15	0	0	0	0	17.33
650B	UPLAND - BAIRD	0	1.48	.81	9.44	.88	0	2.57	.81	0	.53	T	T	16.52
660	OXNARD	.01	2.04	3.19	8.86	1.08	T	1.57	.45	0	0	0	0	17.20
662	LONG BEACH - 37TH AND GAVIOTA	0	.97	.56	9.82	.35	T	2.06	.23	0	0	0	0	13.99
666B	LONG BEACH - 60TH AND LINDEN	0	.98	.75	9.13	.39	T	2.32	.16	0	0	0	0	13.73
672	EAGLE ROCK - S.C.E. COUNTY SUBSTATION	0	1.79	1.58	9.04	1.16	0	4.21	1.06	0	0	T	0	18.84
673B	SEAL BEACH - POWER PLANT	0	.88	.48	5.61	.47	0	2.13	.50	0	0	0	0	10.07
676	LOS ANGELES - WEST 80TH STREET	0	1.71	1.28	8.53	.53	0	2.88	.94	0	0	0	0	15.87
677C	PASADENA - HOFFNER	0	1.81	1.59	9.79	1.10	T	4.29	1.04	0	0	0	0	19.62
678	PASADENA - SHELDON RESERVOIR	0	1.83	1.64	9.39	1.11	0	4.15	1.10	0	0	0	0	19.22
679	PUENTE - NORTH WHITTIER HEIGHTS CITRUS ASSN.	0	1.84	1.01	9.81	.51	.01	2.99	.57	0	0	0	0	16.74
680	WESTWOOD - U.C.L.A.	T	1.91	1.88	8.90	1.42	T	3.49	.56	0	0	T	0	18.16
681A	SIERRA MADRE RANGER STATION	0	1.49	1.83	11.10	1.45	0	3.79	1.30	0	0	0	0	20.96
683	SUNSET RIDGE GUARD STATION	0	1.50	1.76	8.94	1.27	0	3.84	1.09	0	0	0	0	18.40
689B	SAN MARINO - COOPER	0	1.98	1.31	9.59	.88	0	4.29	.87	0	0	0	0	18.92
691	SAN ANTONIO SPREADING GROUNDS	0	1.37	.99	10.67	.84	0	3.32	1.14	0	.30	0	0	18.63
695B	TUJUNGA CANYON - VOGEL FLAT	0	2.27	1.58	9.67	1.22	0	4.85	1.88	0	0	0	0	21.47
696	PASADENA GLEN	0	1.43	1.73	10.17	1.38	0	4.44	1.03	0	0	.04	0	20.22
703	GLENDALE - MC INTYRE	0	1.77	1.35	8.05	.86	0	3.92	1.19	0	0	0	0	17.14
705	ALDER CREEK - PARADISE RANCH	0	1.82	1.97	7.16	.73	T	4.37	1.40	0	0	0	0	17.45
715B	LOS ANGELES POST OFFICE TERMINAL BUILDING	0	1.81	1.13	9.90	.69	0	4.19	.45	0	0	0	0	18.17
716	LOS ANGELES WATER DEPARTMENT - DUCOMMUN STREET	0	1.92	1.16	9.18	.60	T	3.96	.52	0	0	0	0	17.34
718	THOUSAND OAKS	0	1.03	2.19	7.85	.52	T	2.46	.69	0	0	0	0	14.74
719	DUARTE - MADDOCKS RANCH	0	1.89	1.57	10.36	1.17	0	3.19	1.13	0	0	0	0	19.31
720	SIMI VALLEY - SMITH RANCH	0	1.40	2.45	7.55	.05	0	3.35	1.70	0	0	0	0	16.50
722B	BELLEVIEW - STRATMAN	0	.57	.32	2.88	.10	0	1.57	.30*	0	0	0	0	5.74**
724	BIG DALTON - MONROE CANYON FLUME	.03	2.12	1.43	11.63	1.47	.08	3.96	1.57	0	T	0	0	22.29
725	BIRMINGHAM HOSPITAL	0	1.12	2.06	7.79	.42	0	3.97	.77	0	0	0	0	16.13
726	ANGELES CREST - GUARD STATION	0	1.84	2.37	14.18	1.84	0	5.21	1.78	0	0	0	0	27.22
727	NEWCOMB PASS	0	2.55	2.62	14.91	2.23	0	6.38	2.23	0	0	0	0	30.92
728	PACOIMA CANYON - CITY ROAD GAGE	0	2.44	2.32	10.37	1.39	0	6.62	1.78	0	0	0	0	24.92
730	MILLARD CANYON - DAWN MINE	0	1.59	1.72	9.15	1.43	0	4.38	1.52	0	0	0	0	19.79
731	OAK GROVE HEADQUARTERS - USFS FLOOD CONTROL	0	1.55	.49	10.03	1.22	0	4.21	1.49	0	0	0	0	18.99
732B	ROBERT'S CANYON - SAN GABRIEL WEST FORK DIVIDE	0	2.62	1.76	12.71	1.40	0	7.93	2.72	0	0	0	0	29.14
734B	L.A. MUNICIPAL AIRPORT	T	1.35	.94	8.07	.51	T	2.07	.56	T	T	T	0	13.50
737	UPPER SESPE - CHORO GRANDE RANCH	0	1.11	5.60	5.75	.59	0	4.47	2.17	0	.05	0	0	19.74
739	SANTA PAULA - LIMONEIRA RANCH	0	1.25	3.30	6.95	.73	0	1.99	.77	0	0	0	0	14.99
740B	SAN DIMAS CANYON - FERN NO. 2	.04	2.17	1.33	11.31	1.62	.10	4.88	1.39	0	.20	0	0	23.04
741	SAN DIMAS CANYON - UPPER EAST FORK	.05	2.11	1.02	10.28	1.35	.10	3.84	1.37	0	T	0	0	20.12
742B	SAN GABRIEL - FIRE DEPARTMENT	0	2.02	1.20	9.37	.70	0	3.82	.63	0	0	0	0	17.74
746	MAJAVE - BACKUS RANCH	0	.24	.61	1.27	.01	0	1.15	.44	0	.24	0	0	3.96
747	SANDBERG - AIRWAYS STATION	0	.65	3.04	1.64	.26	.05	2.68	.88	T	T	0	0	9.21
749	BURBANK - U.S.W.B.	0	1.18	1.31	6.09	.59	T	4.00	.95	T	0	T	0	14.12
750	PALMDALE - C.A.A.C. STATION	0	.16	.43	1.99	.03	.05	1.75	.02	0	.05	0	0	4.48
751B	TORRANCE - FIRE DEPARTMENT	0	1.91	.79	9.39	.53	0	1.78	.03	0	0	0	0	14.43
752	MONRIVIA - GEARY	0	2.12	1.80	10.51	1.01	0	3.69	1.29	0	0	0	0	20.42
755	GRIFFITH PARK - LITTLE CANYON	0	1.91	1.48	9.45	1.15	0	4.97	1.05	0	0	0	0	20.01
756	GRIFFITH PARK - UPPER SPRING CANYON	0	1.60	1.32	9.52	1.25	0	4.68	1.00	0	0	0	0	19.37
757	GRIFFITH PARK - FERN DELL	0	1.61	1.42	7.80	.95	0	4.24	1.10	0	0	0	0	17.12
758	GRIFFITH PARK - LOWER SPRING CANYON	0	1.18	.95	7.45	.92	0	4.36	.80	0	0	0	0	15.66
759	HOLLYWOOD - 1736 COURTNEY AVENUE	0	1.72	1.55	8.06	1.15	0	3.97	.90	0	0	0	0	17.35
760	STUDIO CITY - 3913 GOODLAND AVENUE	0	1.48	1.31	6.38	1.02	0	5.90	.73	0	0	0	0	16.82
761	STONE CANYON - NORTH	0	1.81	2.01	9.64	1.50	0	5.24	.77	0	0	0	0	20.97
762	UPPER STONE CANYON	0	1.74	1.98	8.07	1.22	0	4.45	.62	0	0	0	0	18.08
763B	SEPULVEDA CANYON - EAST FIRE ROAD NO. 19	0	1.94	2.03	8.07	1.59	0	4.59	.80*	0	0	0	0	19.02**
764	STONE CANYON - 2302 RAIL LANE	0	1.84	2.04	8.32	1.64	0	5.25	.71	0	0	0	0	19.80
765B	15801 MULHOLLAND DRIVE - KIRKMAN	0	1.91	2.08	8.12	1.42	0	4.41	.90	0	0	0	0	18.84
766	MANDEVILLE CANYON - FIRE ROAD NO. 24	0	1.85	2.16	7.20	1.15	0	4.23	1.20*	0	0	0	0	17.79**
767	3351 MANDEVILLE CANYON ROAD	0	2.18	2.58	8.89	1.66	0	4.70	1.24	0	0	0	0	21.25
768	SULLIVAN CANYON - FIRE ROAD NO. 26	0	.85	1.29	5.07	.46	0	3.28	1.20**	0	0	0	0	12.15**
769	SANTA YNEZ CANYON - TEMESCAL FIRE RD. NO. 30	0	1.62	2.46	6.94	1.05	0	3.86	1.32	0	0	0	0	17.25
770	SANTA YNEZ CANYON - PASEO MIRAMAR	0	1.24	1.54**	9.44	1.22	0	1.82	.82	0	0	0	0	16.08**
771	RUSTIC CANYON - SANTA MONICA MOUNTAINS	0	1.43	1.67	8.88	1.39	0	3.02	.64	0	0	0	0	17.03
772	ECHO PARK AND LUCRETIA - LOS ANGELES	0	1.75	1.22	8.11	.75	0	3.60**	.67*	0	0	0	0	16.10**
774	BARLOW SANITARIUM	0	1.63	1.13	8.55	.79	0	3.93	.67	0	0	0	0	16.70
775	8TH AND CROCKER STREETS - LOS ANGELES	0	1.75	1.11	8.53	.54	0	3.44	.42	0	0	0	0	15.79
776	NICHOLS CANYON - NEAR MULHOLLAND DRIVE	0	1.86	1.70	8.74	1.88	0	5.26	.97	0	0	0	0	20.41
777	KENTER CANYON - 259 N. KENTER	0	2.05	1.99	10.28	1.54	0	3.54	.74	0	0	0	0	20.14
778B	SEPULVEDA CANYON - 11817 BELLAGIO ROAD	0	2.18	2.22	10.44	1.66	0	4.02	.59	0	0	0	0	21.11
779	GRIFFITH PARK - LOWER MINERAL WELLS	0	1.80	1.36	8.04	.43	0	4.80	1.15	0	0	0	0	17.58
780	GRIFFITH PARK - UPPER MINERAL WELLS	0	1.73	1.37	7.97	1.48	0	4.90	1.28	0	0	0	0	18.73
783	COON CANYON	0	1.56	1.28	9.60	1.01	0	4.06	1.25	0	0	0	0	18.76
784	COON CANYON	0	1.64	1.83	9.80	1.17	0	4.20	1.31	0	0	0	0	19.95
785	COON CANYON	0	1.69	2.00	10.62	1.41	0	4.28	1.45	0	0	0	0	21.45
786	COON CANYON	0	1.48	1.96	9.90	1.18	0	4.15	1.36	0	0	0	0	20.03
787	COON CANYON	0	1.60	1.79	10.40	1.34	0	4.15	1.26	0	0	0	0	20.54
788	COON CANYON	0	1.54	1.89	10.55	1.26	0	3.94	1.22	0	0	0	0	20.40
789	EL PRIETO CANYON	0	1.68	1.95	10.50	1.36	0	4.29	1.32	0	0	0	0	21.10
790	FILLMORE CITRUS ASSOCIATION	0	1.36	3.99	7.52	.85	0	2.55	1.05	0	0	0	0	17.32
791	BUENAVENTURA LEMON ASSOCOCIATION - SATICOY	0	1.34	3.00	7.24	.71	0	1.86	.50	0	0	0	0	14.65
792	COUNTY AGRICULTURE OFFICE - SANTA PAULA	0	1.38	3.12	6.98	.72	0	2.18	.95	0	0	0	0	15.33
793	MARKHAM SADDLE	0	1.80	2.33	11.99	1.72	0	4.01	1.06	0	0	0	0	22.91
794	LOWER FRANKLIN RESERVOIR	0	1.66	1.67	8.08	1.13	0	3.98	.63	0	0	0	0	17.15
795	PASADENA - JOURDAN	0	1.61	1.39	9.61	.99	0	3.43	.67	0	0	T	0	17.70
796	FIRE DEPARTMENT - ELYSIAN PARK	0	1.32	.88	8.67	.45	0	3.25	.52	0	0	0	0	15.09
797	DE SOTO RESERVOIR	0	1.14	2.80	8.71	.77	0	3.32	1.73	0	0	0	0	18.47
801	MAGIC MOUNTAIN	0	1.54	1.46	6.55	.88	0	4.17	1.12	0	0	0	0	15.72
802	EAGLE ROCK RESERVOIR	0	1.62	1.31	8.08	.93	0	3.64	.89	0	0	0	0	16.47
804	NORTH CANYON (GRIFFITH PARK)	0	1.90	1.54	8.10	1.60	0	5.40	1.35	0	0	0	0	19.89
805	2771 ROWENA AVENUE (BEN PACHECO)	0	1.77	1.18	7.81	.78	0	3.86	1.00	0	0	0	0	16.40
806	2376 TEVIOT STREET (W.C. OLSON)	0	1.70	.97	7.60	.77	0	3.48	1.05	0	0	0	0	15.57
807	ASCOT RESERVOIR	T	1.95	1.29	9.39	.76	0	4.20	.71	0	0	0	0	18.35
1000	HUNT CANYON - BONES RANCH	0	.40	.75	3.41	.03	0	1.29	.02	0	0	0	0	5.90
1002	TUJUNGA - EADE	0	1.41	1.60	6.20	.75	0	4.81	1.12	0	0	0	0	15.89
1005	MINT CANYON - THE OAKS	0	.92	.81	5.49	.30	0	2.80	.72	0	0	0	0	11.04
1006	SAN PEDRO - CITY RESERVOIR	0	.93	.91	8.04	.50	0	1.89	.33	0	0	0	0	12.60
1007B	CAMP VALCREST - ANGELES CREST HIGHWAY	0	1.73	1.90	10.50	.21	0	5.74*	2.02*	0	0	0	0	22.10**
1008-E	LA FRESA - SOUTHERN CALIFORNIA EDISON CO.	0	1.37	.86	9.62	.47	0	2.31	.39	0	0	0	0	15.02
1009	MINT CANYON - OYER	0	.81	1.03	4.48	.48	0	3.32	1.05	0	0	0	0	11.17
1010B	PALMER CANYON - FORKS	0	1.56	1.23	11.52	1.09	0	3.36	.77	0	0	0	0	19.53
1011B	PALOS VERDES FIRE STATION	0	1.18	1.48	7.45	.71	0	1.96	.40	0	0	0	0	13.18
1012	CASTAIC JUNCTION	0	1.31	1.67	5.51	.50	T	3.02	.75	0	T	0	0	12.76
1013B	TUJUNGA CANYON ABOVE GOLD CANYON	0	1.70	1.79	6.86	.67	0	4.45	.99	0	0	0	0	16.46
1014D-E	RIO HONDO SPREADING GROUNDS	0	1.35	.79	7.99	.49	0	3.14	.42	0	0	0	0	14.18
1016	PALO COMADO CANYON - AGOURA	0	1.16	2.26	6.96	.47	0	2.32	.76	0	0	0	0	13.93

SEASONAL 1955-56 MONTHLY RAINFALL SUMMARY

RAINFALL RECORDS IN INCHES

STA. NO.	STATION	OCT.	NOV.	DEC.	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	SEAS. TOTAL
1017	LITTLE ROCK CREEK ABOVE SANTIAGO CREEK	0	.31	.66	3.73	.06	0	1.36	.05	0	0	0	0	6.17
1018B	SANTA SUSANA MOUNTAINS - DEVIL CANYON	0	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	2.08	0	0	0	0	INC.
1019	SANTA SUSANA MOUNTAINS - SALT CANYON	0	2.35	4.37	12.85	1.61	0	3.71	1.81	0	0	0	0	26.70
1020	PADUA HILLS PATROL STATION	0	1.39	1.08	10.73	.82	T	2.72	1.05	0	.33	T	0	18.12
1021	YERBA BUENA WATER TANK	0	2.43	2.64	9.58	.89	0	5.30	1.76	0	0	0	0	22.60
1022	HASLEY CANYON - WESTERN GULF OIL COMPANY	0	1.64	3.07	6.57	.95	0	2.75	1.58	0	0	0	0	16.56
1023B	GARRAPATA CANYON - SPEER	0	1.42	2.54	7.22	.85	0	4.08	1.39	0	0	0	0	17.50
1024B	TOPANGA - DE WITT	0	1.75	2.76	7.37	1.00	0	4.14	1.65	0	0	0	0	18.67
1025	MALIBU BEACH - DUNNE	0	.98	2.66	9.24	.90	0	2.54	.57	0	0	0	0	16.89
1028	CORRAL CANYON - STEWART	0	1.88	4.09	11.35	1.46	0	3.38	.96	0	0	0	0	23.12
1029	TUJUNGA MILL CREEK SUMMIT	0	.71	1.40	7.43	.40	0	2.31	.76	0	0	0	0	13.01
1030	MOUNT ISLIP - LITTLE JIMMY SPRINGS	0	.56	2.22	11.50	.98	0	7.32	5.31	0	.20	0	0	28.09
1034	SANTA CLARA - 6S RANCH AIRPARK	0	.69	.90	4.25	.30	0	3.34	1.15	0	0	0	0	10.63
1035	WHITTIER - WOOD	0	1.19	.81	8.44	.54	T	3.25	.33	0	0	0	0	14.56
1036	LITTLE TUJUNGA CANYON	0	1.70	2.30	8.49	.88	0	4.95	1.26	0	0	0	0	19.58
1037-E	ARCADIA - ARBORETUM	0	1.53	1.33	10.31	.95	T	3.49	1.03	0	0	0	0	18.64
1038	PACIFICO MOUNTAIN	0	.95	1.47	6.23	.28	0	3.05	.66	0	0	0	0	12.64
1039	LOS ANGELES - MAC QUEEN	0	2.16	1.43	8.31	.78	T	4.62	.81	0	0	0	0	18.11
1040	POTRERO CANYON - SUNRAY OIL CORPORATION	0	1.42	2.02	5.81	.61	0	2.92	.77	0	0	0	0	13.55
1041B	SANTA FE DAM	0	1.99	1.09	9.23	.64	0	2.70	.67	0	0	0	0	16.30
1042	EASTFIELD GATE - ROLLING HILLS	0	1.29	.81*	8.63	.64	0	1.49	.02	0	0	0	0	12.88**
1043	EAST CREST GATE - ROLLING HILLS	0	1.37	.55	8.75	.66	0	2.35	.19	0	0	0	0	13.87
1044	PORTUGUESE BEND	0	1.04	.79	7.99	.50*	0	1.97*	.24*	0	0	0	0	12.53**
1045	WEST GATE - ROLLING HILLS	0	.56*	.97*	6.62	.48	0	1.97	.24	0	0	0	0	10.84**
1046	BIG SANTA ANITA - CHANTRY FLAT	0	1.76	2.40	14.28	2.00*	0	5.40*	1.50*	0	0	0	0	27.34**
1047	PUENTE - REINHARD	0	1.88	1.05	8.23	.47	0	2.55	1.50	0	0	0	0	15.68
1048	LA CRESCENTA - COUNTY ROAD DEPARTMENT	0	1.68	2.06	10.00	1.50	0	5.13	1.61	0	0	0	0	21.98
1050	OLD TOPANGA CANYON - GRAY	0	1.92	2.76	7.53	1.16	0	4.85	1.78	0	0	0	0	20.00
1051	CANOGA PARK PIERCE COLLEGE	T	1.05	1.93	6.74	.32	0	2.62	1.57	0	0	0	0	14.23
1052	CAMP JOSEPHO	0	2.38	3.02	11.45	2.01	0	4.50	1.14	0	0	0	0	24.50
1053	TUJUNGA CANYON - SOLOMON	0	1.43	1.46	6.50	.59	T	4.57	1.07	0	0	0	0	15.62
1054	VETERAN'S HOSPITAL - SAN FERNANDO	0	1.82	2.08	7.71	.78	0	4.32	1.15	0	0	0	0	17.86
1055	SAN ANTONIO DIVIDE	0	2.95	1.50	8.81	1.47	0	5.61	1.90	0	.70	0	0	22.94
1056	LANCASTER - MC CARGER	0	.12	.30	1.67	.90	0	.80*	0	0	0	0	0	3.79**
1057B	WHITTIER NARROWS - ABOVE DAM	0	1.38	1.15	8.42	.53	0	3.11	.46	0	0	0	0	15.05
1058	PALMDALE 2 NORTHEAST	0	.17	.45	1.78	0	0	.87	.01*	0	0	0	0	3.28**
1059	SOUTH HAWKINS	.02	2.21	1.33	8.90	1.22	0	6.33	2.46	T	.25	0	.02	22.74
1060	LITTLE ROCK - SYCAMORE CAMP	0	.79	.61	6.53	.17	0	2.06	.40	0	0	0	0	10.56
1062	BUCKHORN FLAT	0	3.25**	1.40	6.72	.28	0	5.57	2.25	0	0	0	0	19.47**
1063	SOLEDAD PASS	0	.44	.81	3.57	.06	0	1.54	.05	0	T	0	0	6.47
1064	SAN GABRIEL EAST FORK - DOT MINE	0	2.30	.80	8.89	1.52	.03	3.60	2.06	0	0	0	0	19.20
1066	LONG BEACH WOODRUFF AVENUE	0	1.01	.42	8.80	.63	T	2.71	.20	0	0	0	0	13.77
1067	SANTIAGO CANYON	0	.60	.51	4.14	.25	0	1.44	.35	0	0	0	0	7.29
1068	RATTLESNAKE CANYON - CAMP NO. 3	0	1.96	4.52	11.08	1.44	0	3.41	.99*	0	0	0	0	23.40**
1069	SAN GABRIEL - EAST FORK TUNNEL	0	2.49	1.06	9.23	1.12	.04	4.29	2.26	0	0	0	0	20.49
1070	MANHATTAN BEACH	0	1.34	.98	8.26	.39	0	2.21	.50	0	0	0	0	13.68
1071B-E	DESCANSO GARDENS	0	1.60	2.02	6.80	1.30	0	4.91	1.12	0	0	.06	0	17.81
1072	LITTLE TUJUNGA RANGER STATION	0	1.27	1.94	6.89	.58	0	4.38	.75	0	0	0	0	15.81
1073	PALMDALE - CIRCLE C	0	.29	.76	3.38	.03	0	1.15	.07	0	.08	0	0	5.76
1074	LITTLE GLEASON	0	1.26	2.30	9.47	.80	0	3.50	1.29	0	0	0	0	18.62
1075	UPPER WOLFSKILL CANYON	.06	1.73	1.40	11.97	1.61	.05	3.90	1.43	0	.12	0	0	22.27
1076	HIDDEN SPRINGS	0	1.46	1.69	7.46	.63	0	3.54	1.09	0	0	0	0	15.87
1077	MONROVIA - 5 POINTS	0	1.61	1.59	11.02	1.29	0	3.61	1.11	0	0	0	0	20.23
1078	COVINA GRIFFITH	.02	1.45	1.19	8.61	.47	0	2.59	.74	0	.03	0	0	15.10
1079	RUBIO DEBRIS BASIN	0	1.59	1.60	9.26	1.22	0	4.36	1.04	0	0	0	0	19.07
1080	BRADBURY DEBRIS BASIN	0	2.01	1.69	10.16	1.18	0	3.51	.84	0	0	0	0	19.39
1081	DEER DEBRIS BASIN	0	1.55	2.08	7.83	1.17	0	4.34	1.36	0	0	0	0	18.33
1082	DUNSMUIR DEBRIS BASIN	0	1.74	2.31	11.18	1.48	0	5.56	1.84	0	0	0	0	24.11
1083	MADDOCK DEBRIS BASIN	0	1.97	1.63	10.07	1.22	0	3.45	1.05	0	0	0	0	19.39
1084	MAY DEBRIS BASIN	0	1.84	2.14	7.54	.63	0	4.34	1.08	0	0	.02	0	17.59
1085	MC CLURE DEBRIS BASIN	T	1.17	1.27	5.77	.73	0	4.37	.86	0	0	0	0	14.17
1086	TURNBULL DEBRIS BASIN	0	1.21	.87	7.56	.53	0	3.12	.46	0	0	0	0	13.75
1087	GREEN VERDUGO POWER PLANT	0	1.17	1.66	6.37	.46	0	4.32	.82	0	0	0	0	14.80
1088	LA HABRA HEIGHTS WATER COMPANY	0	1.55	.80*	9.31	.50	0	2.72	.30	0	0	0	0	15.18**
1089B	TOPANGA CANYON OUTLET	0	1.77	3.02	6.05	.55	T	4.99	.80*	0	0	0	0	17.18**
1090	LOS ALAMITOS	0	1.13	.55	7.88	.43	0	3.06	.84	0	0	0	0	13.89
1091	CYPRESS	0	1.38	.61	8.97	.54	0	1.67	.55	0	0	0	0	13.72
1092	BUENA PARK	0	1.22	.63	7.41	.35	0	2.33	.67	0	0	0	0	12.61
1093-E	FULLERTON AIRPORT	.01	1.31	.63	7.85	.39	0	2.51	.87	0	0	0	0	13.57
1094	BREA	0	.98	.57	9.02	.54	0	2.26	.76	0	0	0	0	14.13
1095	ORANGE COUNTY RESERVOIR	0	1.34	.57	8.45	.35	0	2.35	1.04	0	0	0	0	14.10
1096	LA VIDA SPRINGS	0	1.94	.81	9.80	.60	0	2.41	.39	0	0	0	0	15.95
1097	CARBON CANYON SUMMIT	0	2.08	.77	9.07	.58	0	2.38	.45	0	0	0	0	15.33
1098	BREA CANYON	0	1.78	.70	9.60	.54	0	2.70	.50	0	0	0	0	15.82
1099	WHITTIER - CATE	0	1.42	.85	8.53	.52	0	3.24	.35	0	0	0	0	14.91
1100	BEVERLY GLEN	T	1.88	2.16	6.96	1.03	T	5.17	0.57	0	0	0	0	17.77
1101	DEL SUR SCHOOL	0	.32	.90	1.63	.10	0	1.22	.40	0	0	0	0	4.57
1102	BOBCAT CANYON - SAN GABRIEL WEST FORK	0	1.78	1.26	7.11	.78	0	5.46	1.85	0	0	0	0	18.24
1103	RESEDA - HOUSSELS	0	.92	1.92	6.75	.41	0	2.96	.88	0	0	0	0	13.84
1104	BOUQUET CANYON - TEXAS CANYON	0	1.11*	1.88*	4.60*	.90*	0	3.04*	1.70*	0	0	0	0	13.23**
1105	FAIRMONT - BARNES	0	.68	1.70	1.93	.40	0	2.32	.80	0	0	0	0	7.83
1106	ANTELOPE VALLEY FIELD STATION	0	.43	.91	1.55	.08	0	1.49	.40	0	0	0	0	4.86
1107	LA TUNA CANYON	0	1.11	1.38	6.45	.40	0	4.10*	.73*	0	0	0	0	14.17**
1108	ANAVERDE - PLATT	0	.38	1.20	3.74	T	0	1.39	.19	0	0	0	0	6.90
1109	MOUNT BALDY	0	3.55	1.80	10.60	1.77	0	6.75	2.28	0	.84	0	0	27.59
1110	SCHOLL DEBRIS BASIN	0	1.68*	1.48*	8.47	1.52	0	3.89	1.35	.01	0	.01	0	18.41**
1111	PUNCHBOWL RANCH	0	.66*	1.24*	8.09	.23	0	2.62	.60*	0	.85*	0	0	14.29**
1112	BEAR CANYON - SAN GABRIEL WEST FORK	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	INC.	0	.49	0	0	INC.
1113	DOMINGUEZ WATER COMPANY	0	.42	.16	8.53	.50	0	2.32	.30	0	0	0	0	12.23
1114	WHITTIER NARROWS DAM	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	INC.	0	0	INC.
1115	SAN ANTONIO DAM	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	INC.	0	0	INC.
1116	LONG BEACH - SAN ANSELINE	0	1.15	.55	8.16	.76	0	2.79	.22	0	0	0	0	13.63
X6	ENCINO	0	1.59	2.54	7.26	.97	0	4.58	1.17	0	0	0	0	18.11
X9B	LANCASTER - KALPAKOFF	0	.15	.63	1.37	.03	.02	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	INC.
X12	WILSONA - FITCH	0	.03	.45	2.45	.07	0	.80	0	0	0	0	0	3.80
X15	HI VISTA - CARD	0	.20	.30	2.63	0	0	.82	0	0	0	0	0	3.95
X16	BIRMINGTON CANYON	0	.97	.97	5.95	.45	0	3.00	1.38	0	0	0	0	12.72
X17	UPPER MC CLURE CANYON	0	1.04	1.26**	5.94	.53	0	3.13	1.58	0	0	0	0	13.48**
X18	UPPER STOUGH CANYON	0	1.01*	1.56	5.93	.55	0	2.92	1.24	0	0	0	0	13.21**

LEGEND

* ESTIMATE FROM NEARBY STATION
** PARTLY ESTIMATED
INC. INCOMPLETE RECORD
N.I. NOT INSTALLED
N.R. NO RECORD

TABLE VI

SEASONAL 1956-57 MONTHLY RAINFALL SUMMARY

RAINFALL RECORDS IN INCHES

STA. ND.	STATION	OCT.	NOV.	DEC.	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	SEAS. TOTAL
2B	ESCONDIDO CANYON	.02	0	.38	6.75	2.20	1.44	1.85	1.59	.11	.04	0	0	14.38
3B	SEMINOLE HOT SPRINGS	0	0	.05	7.27	3.44	1.55	1.82	.68	.03	.10	0	0	14.94
5B	CALABASAS	.05	0	.17	6.43	2.31	1.04	1.26	.31	.23	0	0	0	11.80
6	TOPANGA PATROL STATION	.23	0	.22	8.45	4.46	1.10	2.00	1.13	.06	0	0	0	17.65
9B	LINDOMAR NURSERY - SEPULVEDA AND RAYEN	.21	0	.21	6.11	1.99	1.32	.78*	1.44	.15*	0	0	0	12.21**
10	BEL AIR HOTEL	.12	0	.25	6.89	3.03	1.03	1.68	.58	.12	0	0	0	13.70
11C	UPPER FRANKLIN CANYON RESERVOIR	.47	0	.21	7.69	2.86	.99	1.64	.86	.10	T	0	0	14.82
12	FRANKLIN CANYON - MULHOLLAND HIGHWAY	.25	0	.20	6.98	2.67	1.42	1.16	.34	.10*	0	0	0	13.12**
13B	NORTH HOLLYWOOD - BLIX	.30	0	.10	6.53	2.17	1.77	1.34	.47	.15	0	0	0	12.83
14B	ROSCOE - MERRILL	.47	0	.17	5.30	1.12	2.13	1.27	1.67	.12	T	T	0	12.25
15	VAN NUYS - CITY WAREHOUSE	.18	0	.03	7.09	1.65	1.59	.85	.45	.10	0	0	0	11.94
17	SEPULVEDA CANYON - MULHOLLAND HIGHWAY	.18	0	.20	8.15	3.30	1.29	1.11	.40	0	0	0	0	14.63
18C	RESEDA	.25	0	.05	6.58	2.03	.91	.94	.25	.10	0	0	0	11.11
20B	GIRARD RESERVOIR	.07	0	.12	6.76	2.06	1.65	1.21	.32	.15	0	0	0	12.34
21	BRANT RANCHO - GIRARD	.15	0	.16	5.64*	1.98	1.01*	1.15*	.26*	.15*	0	0	0	10.50**
23-E	CHATSWORTH RESERVOIR	.31	0	.18	6.07	1.35	1.96	1.15	1.08	.27	0	0	0	12.37
24D	CHATSWORTH	.09	0	.18	5.27	3.12	.69	1.15	.77	0	0	0	0	11.27
25B	NORTHRIDGE - ANDREWS	.26	0	.12	6.05	2.05	.96	1.07	1.38	.22	0	0	0	12.11
27B	PACOIMA - RADDATZ RANCH	.25	0	.26	6.05	1.94	1.57	.95	1.50	.14	0	0	0	12.66
28D	SAN FERNANDO LEMON ASSOCIATION	.37	0	.26	5.96	1.72	1.55	1.00	1.56	.17	0	0	0	12.59
29B	GRANADA PUMP PLANT	.37	0	.29	7.13	1.80	2.16	1.20	1.06	.17	0	0	0	14.18
30B	SYLMAR	.41	0	0	6.27	1.85	2.56	1.23	1.28	.30	0	0	0	13.90
31	ORCUTT RANCH	.41	0	1.01	8.47	3.96	4.74	2.04	2.65	.34	0	0	0	23.62
32C	NEWHALL-SOLEDAD DIVISION HEADQUARTERS	.13	0	.13	6.15	2.31	2.60	.99	.90	.21	0	0	0	13.42
33A'-E	PACOIMA DAM	1.16	0	.40	6.30	1.95	2.08	1.33	2.04	.40	0	0	T	15.66
39B	SUNSET DAM	.58	0	.31	5.78	2.63	1.43	1.42	1.94	.12	0	0	0	14.21
42	REDONDO CITY HALL	.01	0	.08	4.32	.79	1.18	.91	.39	.07	0	0	0	7.75
43C	PALOS VERDES ESTATES - FIRE STATION	T	0	.11	3.94	1.02	1.59	1.09	.50	0	0	0	0	8.25
43B	PALOS VERDES GOLF CLUB	.05	0	.20	4.89	1.07	1.50	1.14	.66	0	0	0	0	9.51
44	POINT VICENTE LIGHTHOUSE	.11	0	.15	3.87	1.24	.96	1.02	.69	0	0	0	0	8.04
46D-E	BIG TUJUNGA DAM	.95	0	.78	7.02	3.09	1.29	1.80	3.35	.09	0	0	0	18.37
47A	CLEAR CREEK - CITY SCHOOL	1.53	0	1.12	8.64	3.72	1.85	2.81	3.71	.18	0	0	0	23.06
47C	CLEAR CREEK	1.57	0	1.00	8.91	3.14	1.83	2.45	3.86	.18	0	0	0	22.94
48B	OAK WILDE	1.01	0	.82	5.67	2.81	1.56	1.72	2.94	.32	0	0	0	16.85
50B	LA CANADA - ARROYO SECO	.90	0	.56	5.73	3.28	1.55	1.64	2.02	0	0	0	0	15.68
51	FALLING SPRINGS	.28	0	1.00	12.57	4.46	1.71	2.09	2.87	.54	0	0	0	25.52
52B	SWITZER'S CAMP	.51	0	.86	6.01	3.66	1.92	2.16	3.94	.23	0	0	0	18.68
52C	WATERMAN GUARD STATION	.73	0	.85	7.58	3.24	1.38	2.01	4.08	.26	0	0	0	20.93
53D	COLBY'S	.35	0	.66	8.40	3.32	1.36	1.83	3.14	.24	0	0	0	19.30
54C	LOOMIS RANCH - ALDER CREEK	.15	0	.33	5.39	2.34	.97	1.06	1.86	.34	0	0	0	12.44
57B-E	OPID'S	.84	0	1.26	12.36	4.71	2.04	2.15	4.82	.40	0	0	0	28.58
58	STURTEVANT CAMP	1.46	0	1.62	9.46	4.45	2.02	2.63	3.52	.66	0	0	0	25.82
60A	HOEGEE'S	1.41	0	1.59	10.83	4.81	2.24	2.54	3.46	.75	0	0	0	27.63
63B-E	BIG SANTA ANITA DAM	1.28	0	1.09	6.96	3.34	2.07	1.80	1.98	.56	0	0	0	19.08
66	SIERRA MADRE - PEGLAR RANCH	.64	0	.53	6.15	3.48	2.00	2.10	1.53	.25	.03	0	0	16.71
67D	MONROVIA - NEWS POST	.43	0	.63	5.45	2.09	1.28	1.71	1.51	.18	0	0	0	13.28
68B	SAWPIT DAM	1.44	0	.84	7.20	3.66	2.08	2.14	2.11	.54	0	0	0	20.01
69B	SAWPIT CANYON	1.25	0	1.12	8.16	3.70	2.23	2.14	2.52	.69	0	0	0	21.81
70B	ROGER'S CANYON - GOEDERT	.46	0	1.01	7.81	3.09	1.98	1.75	1.83	.38	0	0	0	18.31
73	GLENDORA - ENGLEWILD RANCH	.53	0	1.30	7.39	2.13	2.25	1.91	2.13	.35	.01	0	0	18.00
76B	SAN GABRIEL DAM CAMP	.82	0	1.05	9.61	3.45	1.89	1.97	2.69	.28	.02	0	0	21.78
80B	PRAIRE FORK	.18	0	.49	10.15	3.27	1.22	1.50	1.04	.07	.11	0	.02	18.05
81B	VINCENT GULCH	.75	0	1.30	14.67	5.01	1.71	2.32	2.58	0	0	0	0	28.34
82D	TABLE MOUNTAIN	.21	0	.27	8.39	2.29	1.00	1.04	.88	.04	.12	T	T	14.24
83	BIG PINES RECREATION PARK	.18	0	.49	10.20	3.28	1.23	1.51	1.04	.07	.11	T	.02	18.13
85F	CAMP BALDY GUARD STATION	.21	0	.73	9.27	2.96	2.11	2.19	3.13	.35	.04	0	0	20.99
87	SAN DIMAS GUARD STATION	.52	0	1.14	8.07	1.94	1.60	1.80	2.32	.42	0	0	0	17.81
89B-E	SAN DIMAS DAM	.59	0	1.06	7.35	1.90	1.69	1.84	2.36	.56	T	0	0	17.35
90	ELDER RANCH	.53	0	1.03	7.52	2.13	1.74	2.05	2.40	.59	T	0	0	17.99
91	INDIAN HILL - CLAREMONT	.35	0	.74	5.99	1.65	1.09	1.54	1.67	.51	0	0	0	13.54
92	CLAREMONT - POMONA COLLEGE	.28	0	.65	5.98	1.56	1.99	1.48	1.57	.44	.02	0	0	13.77
93B	CLAREMONT FIRE STATION	.19	0	.64	5.72	1.51	1.92	1.59	1.41	.47	.07	0	0	13.52
94B	CHARTER OAKS - MAYO	.30	0	.80	6.44	1.53	2.45	1.55	1.66	.10	0	0	0	14.83
95	SAN DIMAS FIRE WARDEN	.23	0	.67	6.01	1.72	2.11	1.82	1.63	.41	0	0	0	14.60
96B-E	PUDDINGSTONE DAM	.19	0	.55	5.45	1.52	1.31	1.63	1.51	.46	T	0	0	12.62
98	AZUSA - HIBSCH	.32	0	.92	6.88	2.01	2.00	1.46	1.75	.29	.01	0	0	15.64
99B	AZUSA - FOOTHILL RANCH	.31	0	.93	7.01	1.85	2.19	1.63	1.73	0	0	0	0	15.65
101	WEST COVINA - HURST RANCH	.34	0	.35	5.22	1.43	2.06	1.30	1.43	.23	.17	0	0	12.53
102B	WALNUT - SO. HILLS PATROL STATION	.19	0	.25	4.44	1.46	.98	1.16	1.12	.38	.14	0	0	10.12
104	NO. WHITTIER - COLE RANCH	.44	0	.49	5.78	1.76	.92	1.30	1.29*	.14	0	0	0	12.12**
106C	WHITTIER CITY HALL	.30	0	.37	4.41	1.64	.99	1.11	.92	.07	.12	0	0	9.93
107C	DOWNEY - FIRE STATION	.02	0	.37	4.29	1.48	.99	1.54	1.00	.20	0	0	0	9.89
108C	EL MONTE FIRE STATION	.27	0	.53	5.76	1.56	2.06	2.23	1.96	.13	.04	0	0	14.54
109D	WEST ARCADIA	.51	0	.39	4.78	2.72	1.66	1.29	1.29	.17	.06	0	0	12.87
110	ALHAMBRA - CITY HALL	.41	0	.33	5.41	2.28	1.93	2.04	.96	.17	T	0	0	13.53
111	SOUTH PASADENA - CITY HALL	.30	0	.25	5.64	3.10	1.97	1.25	1.19	.19	0	0	0	13.89
116C	INGLEWOOD - FIRE STATION	.07	0	.29	4.22	1.46	1.69	1.35	.32	.07	0	0	0	9.47
117B'	COMPTON - FIRE STATION	.06	0	.29	3.45	1.49	.88	.99	.39	.04	0	0	0	7.59
118C	WILMINGTON	.05	0	.07	3.08	.89	1.04	1.06	.67	0	0	0	0	6.86
119D	SAWTELLE - SOLDIER'S HOME	.90	0	.40	5.92	2.63	.85	1.75	.61	.07	0	0	0	13.13
120	VINCENT PATROL STATION	.22	0	.02	3.24	.84	.83	.28	.13	.08	0	0	0	5.64
122C	LEONIS VALLEY - RITTER RANCH	.12	0	.40	6.53	1.92	1.61	1.22	1.25	0	0	0	0	13.05
124B	BOUQUET CANYON RESERVOIR	.20	0	.30	4.91	2.78	1.08	1.45	1.24	.28	0	0	T	12.24
125	SAN FRANCISQUITO CANYON POWER HOUSE NO. 1 (SAUGUS)	.56	0	.31	5.54	.98	2.89	1.49	1.15	.33	0	0	0	13.25
126B	VENICE - FIRE STATION	.09	0	.49	4.77	1.53	1.57	1.08	.29	.08	0	0	0	9.90
127	DRY CANYON RESERVOIR	.16	0	.24	4.59	1.14	3.04	.97	1.40	.50	0	0	0	12.04
128B	ELIZABETH LAKE CANYON - WARM SPRINGS CAMP	.43	0	.23	9.04	3.24	1.36	2.73	1.44	.24	0	0	0	18.71
130B	SANDBERG'S - QUAIL LAKE PATROL STATION	.41	0	.14	6.62	2.21	.88	.71	1.11	.10	0	0	0	12.18
134	SAN DIMAS - STEVENS	.36	0	.95	6.76	1.90	2.24	2.04	1.74	.48	0	0	0	16.47
135	NORWALK	0	0	.17	4.40	1.53	.64	1.11	.68	.08*	0	0	0	8.61**
136B	HOLLYWOOD - CITY ENGINEER	.12	0	.24	5.51	3.40	.88	1.57	.43	.08	0	0	0	12.23
139B	LOS ANGELES WATER DEPARTMENT	.09	0	.36	5.20	1.06	1.61	1.58	.61	.08	0	T	0	10.59
140	SAWTELLE	.09	0	.48	6.16	3.73	.96	1.49	.65	.05	0	0	0	13.61
143	AZUSA - CITY PARK	.32	0	.94	6.68	2.14	2.45	1.52	1.52	.28	0	0	0	15.85
144	SIERRA MADRE DAM	1.10	0	.74	6.39	2.69	2.81	1.79	2.01	.44	.03	0	0	18.00
155B	LITTLE ROCK CREEK	T	0	T	3.86	.74	1.04	.65	T	0	0	0	.19	6.48
156	LA MIRADA - STANDARD OIL COMPANY	.01	0	.09	3.90	1.02	.69	.95	.57	.08	0	0	0	7.31
157B	EL SEGUNDO - STANDARD OIL COMPANY	.03	0	.30	3.89	1.19	.67	1.76	.53	.03	0	0	0	8.40
158	TANBARK FLATS	.33	0	1.05	8.85	2.38	2.07	1.90	2.82	.38	.02	0	0	19.81
167	ARCADIA PUMPING PLANT NO. 1	.61	0	.50	5.89	3.27	2.08	1.86	1.27	.25	.09	0	0	15.82
169E	SIERRA MADRE PUMPING PLANT	1.60	0	.54	6.20	2.56	2.59	1.83	1.53	.28	.03	0	0	17.16
170C	POTRERO HEIGHTS	.51	0	.10	4.88	1.36	1.57	1.55	.82	.08	0	0	0	10.87
171	CHAPMAN WELLS	.68	0	.43	5.56	3.27	1.92	1.79	1.43	.22	0	0	0	15.30
172B	DUARTE	0	0	.60	6.07	2.48	1.81	1.65	1.82	.27	.03	0	0	14.23
174	GLENDORA - WARREN	.27	0	.91	6.78	1.77	2.15	1.90	1.73	.39	T	0	0	15.90

SEASONAL 1956-57 MONTHLY RAINFALL SUMMARY

RAINFALL RECORDS IN INCHES

STA. NO.	STATION	OCT.	NOV.	DEC.	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	SEAS. TOTAL
175B	ALTA CANYADA - LA CANADA IRRIGATION DISTRICT	2.04	0	1.47	8.00	2.84	2.80	1.65	3.46	.33	0	0	0	22.59
176	ALTADENA - RUBIO CANYON	.83	0	.48	5.82	3.15	1.64	1.82	1.78	.21	0	0	0	15.73
177F	LA CANADA - AP ROBERTS	1.20	0	.50	6.38	3.61	1.60	1.69	2.08	.22	0	0	0	17.28
179F	SIERRA MADRE - IN	.83	0	.64	6.21	3.06	1.73	2.21	2.00	.30	0	0	0	16.98
181B	BASSETT - CLIFFORD	.28	0	.41	5.27	1.45	.81	1.35	1.06	.13	0	0	0	10.76
185	GLENDORA - WEST	.33	0	.88	6.84	1.84	2.42	1.76	1.80	.33	.03	T	0	16.23
188C	SAN DIMAS - MORRISON	.27	0	.77	6.25	1.84	1.63	1.84	1.70	.35	0	0	0	14.65
191B	LOS ANGELES - ALCAZAR	.23	0	.36	4.57	1.04	2.01	2.06	.69	.10	T	0	0	11.06
192C	BELL FIRE STATION	.04	0	.40	4.01	1.25	1.44	1.11	1.11	.02	0	0	0	9.38
193	COVINA NO. 2 - TEMPLE	.25	0	.63	5.35	1.40	2.70	1.31	1.43	.33	T	0	0	13.40
196B	LA VERNE - POLICE DEPARTMENT	.19	0	.66	5.57	1.40	1.48	1.78	1.6	.35	.02	0	0	13.07
198B	BRAND DEBRIS BASIN	.56	0	.20	5.32	2.84	1.56	1.14	1.14	.11	0	0	0	12.87
199B	HUNTINGTON PARK - CITY YARD	.20	0	.48	4.05	1.07	1.72	1.17	.64	.04	0	0	0	9.37
200	SAUGUS - S.C.E. CO. SUBSTATION	.20	0	.17	4.44	2.19	2.74	.66	.36	.32	0	0	0	11.08
201	PUENTE HILLS - ALTA MIRA RANCH	.52	0	.40	5.28	2.26	.79	1.29	1.32	.16	0	0	0	12.02
206	VALENCIA HEIGHTS	.10	0	.45	4.76	1.56	2.09	1.30	1.20	.33	.02	0	0	11.81
208B	ARTESIA	T	0	.07	4.09	1.20	.56	.82	.63	.06	0	0	0	7.43
210B	BRAND PARK	.54	0	.20	6.04	3.04	1.69	1.30	1.29	.11	0	0	0	14.21
213D	LOS ANGELES - HANCOCK PARK	.34	0	.31	5.54	2.66	1.03	1.81	.40	.09	0	0	0	12.18
215D	BELLFLOWER - PRESS TELEGRAM	0	0	.08	4.01	1.19	.79	1.16	.21	0	0	0	0	7.44
216	GLENDALE - JONES	.72	0	.12	5.41	2.61	2.21	1.43	1.16	.14	0	0	0	13.80
219	PACOIMA WAREHOUSE - COUNTY FORESTRY	.34	0	.25	6.25	2.40	1.26	1.21	1.67	.15	0	0	0	13.53
221D	PACOIMA WASH - DUCKWORTH RANCH	1.06	0	.37	5.89	1.77*	1.79*	1.18*	1.78*	.33*	0	0	0	14.17**
222C	LANKERSHIM PUMPING PLANT	.25	0	.05	5.30	.94	1.51	1.04	.92	.09	0	0	0	10.10
223B-E	BIG DALTON DAM	.63	0	1.26	8.53	2.20	1.76	2.40	2.93	.57	T	0	0	20.28
224B	LONG BEACH - ALAMITOS LAND COMPANY	0	0	.08	3.44	1.13	.73	1.08	.55	.03	0	0	0	7.04
225	MONTANA RANCH	.01	0	.08	5.02	1.25	.70	1.13	.59	0	0	0	0	8.78
226	BURBANK FIRE STATION	.49	0	.11	5.11	2.71	1.27	1.20	1.02	.08	T	T	0	11.99
227D	SAN GABRIEL - BRUINGTON	.30	0	.33	5.24	2.39	2.31	1.72	1.04	.17	0	0	0	13.50
228B	BEVERLY HILLS - CITY HALL	.11	0	.30	6.60	3.45	1.06	1.86	.56	.10	.08	T	0	14.12
230C	LIVE OAK CANYON - ELDER	.21	0	.91	5.96	1.68	1.53	1.81	1.67	.51	.17	0	0	14.45
235B	HENNINGER FLATS	1.21	0	.94	7.51	3.59	1.95	2.17	2.28	.48	T	0	0	20.13
236B	SAN FERNANDO - MOLLIN GROVES	1.40	0	.40	6.02	1.77	1.79	1.18	1.78	.33	0	0	0	14.67
237C	STONE CANYON RESERVOIR	.29	0	.28	8.96	2.50	1.66	1.60	.72	.14	0	0	0	16.15
238	HOLLYWOOD DAM	.22	0	.22	5.90	2.66	2.12	1.56	.54	.12	.01	0	0	13.35
241B	LONG BEACH - VETERAN'S MEMORIAL BUILDING	.01	0	.07	3.28	.58	.98	1.06	.54	.01	0	0	0	6.53
246B	CULVER CITY - BUS YARD	.13	0	.52	4.79	2.32	1.10	1.42	.30*	.10	0	0	0	10.68**
250D	ACTON CAMP	0	0	0	4.20	1.22	1.00	.54	.43	0	0	0	.09	7.48
251	LA CRESCENTA	.64	0	.20	7.14	3.24	1.44	1.63	3.06	.29	0	0	0	17.64
254B	PUENTE - ROWLAND RANCH	.54	0	.28	4.20	2.27	1.08	1.07	1.40	0	0	0	0	10.88
255C	MOUNT SAN ANTONIO COLLEGE - SPADRA	.28	0	.37	5.01	1.48	1.42	1.25	1.16	.44	.04	0	0	11.45
256B	POMONA - FIRE STATION	.20	0	.61	5.03	1.38	1.41	1.21	.85	.33	.08	0	0	11.10
257	GRIFFITH PARK NURSERY	.21	0	.21	5.83	3.31	1.32	1.65	.75	.15	0	0	0	13.43
258B	GRIFFITH PARK TUNNEL	.24	0	.21	6.23	3.47	1.00	1.51	.70	.12	0	0	0	13.48
258D	GRIFFITH PARK - SOUTH SLOPE MOUNT HOLLYWOOD	.35	0	.20	5.59	3.60	1.19	1.59	.82	.19	0	0	0	13.53
258C	GRIFFITH PARK - NORTH SLOPE MOUNT HOLLYWOOD	.28	0	.17	5.74	3.63	1.20	1.58	.84	.18	0	0	0	13.62
259C	CHATSWORTH PATROL STATION	.21	0	.33	6.62	2.79	2.12	1.20	1.45	0	0	0	0	14.72
261B-E	ACTON - ESCONDIDO CANYON	.17	0	.10	4.02	.88	1.47	.51	.81	.18	0	0	.04	8.18
263F	POMONA - STEVENS	0	0	.37	5.08	1.26	1.30	1.13	1.05	.49	T	0	0	10.68
265C	PUENTE HILLS - WEISEL RANCH	.40	0	.47	4.85	1.53	1.23	1.05	.99	.37	0	0	0	10.89
266B	LEFFINGWELL RANCH - EAST WHITTIER	.22	0	.35	3.85**	1.30	.65	.98	.76**	.10	0	0	0	8.21**
269A	DIAMOND BAR RANCH NO. 1	.23	0	.50	4.72	1.03	1.32	1.33	1.47	.39	0	0	0	10.99
269B	DIAMOND BAR RANCH NO. 2	.04	0	.45	4.52	1.24	.96	1.10	1.43	.25	.07	0	0	10.06
270B	COUNTY FARM - RANCHO LOS AMIGOS	.07	0	.29	3.68	1.46	.78	1.16	1.00	.15*	0	0	0	8.59**
271	DOMINGUEZ HILLS	.01	0	.01	3.26	2.04	.69	1.22	.24	.05	0	0	0	7.52
272D	LOS ANGELES - HEADWORKS PUMPING PLANT	.39	0	.10	5.42	3.22	1.12	1.11	.77*	.10*	.10	0	0	12.33**
273D	SAN PEDRO HILLS - MC CARRELL	0	0	.20	5.16	1.98	1.44	1.46	.92	0	0	0	0	11.16
274	ACTON - HUBBARD	.18	0	.02	3.74	.54	1.25	.39	.57	.23	0	0	0	6.92
275	SAN MARINO HUNTINGTON LIBRARY	.35	0	.27	7.50	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	INC.
277	SAWMILL MOUNTAIN RANCH	.38	0	.08	6.72	2.84	1.03	1.66	1.46	.08	0	0	0	14.25
278B	LOS ANGELES - CLARK MEMORIAL LIBRARY	.11	0	2.02	5.05	1.83	1.03	1.60	.60	.07	0	0	0	12.31
280B	FLINTRIDGE FIRE STATION	.79	0	.44	5.88	3.35	1.70	1.81	1.77	.19	0	0	0	15.93
283B	CRYSTAL LAKE - EAST PINE FLATS	.68	0	1.18	15.97	4.54	1.55	2.69	2.98	.30	0	0	0	29.89
284C	PLACERITA CANYON	.34	0	.11	7.30	2.54	2.22*	1.33*	1.28*	.13*	0	0	0	15.25**
285C	MOUNT ST. MARY'S COLLEGE	.17	0	.40	9.72	3.33	.88	1.70	.73	0	0	0	0	16.93
287	GLENDORA - MUTUAL CONSOLIDATED IRR. COMPANY	.33	0	.95	6.83	1.78	2.59	1.72	1.98	.32	T	0	0	16.50
289	LAGUNA - BELL S.C.E. CO. SUBSTATION	.07	0	.27	3.76	1.35	.91**	.94	1.75	.01	0	0	0	9.06**
290B	MONTEREY PARK - FIRE STATION	.10	0	.44	4.31	1.35	1.36	1.45	.56	.07	0	0	0	9.64
291	LOS ANGELES - 96TH AND CENTRAL	0	0	.36	3.66	1.00	1.12	1.13	1.24	.01	0	0	0	8.52
292B-E	ENCINO RESERVOIR	.24	0	.06	7.46	2.38	1.57	1.06	.25	.05	0	0	0	13.07
293-E	VAN NORMAN LAKE - LOWER DAM	.46	0	.29	6.42	1.08	2.59	1.13	.96	.26	0	0	0	13.19
294	SIERRA MADRE - MIRA MONTE PUMPING PLANT	1.14	0	.60	6.42	2.89	2.74	1.96	1.85	.39	T	0	0	17.99
295G	GLENDALE - STAPENHORST	.72	0	.12	5.78	3.34	1.49	1.49	.74	.15	0	0	0	13.83
298B	GORMAN	.10	0	.10	3.24	1.77	1.00	.44	1.35	0	0	0	0	8.00
299C	LITTLE ROCK	.02	0	0	2.85	.46	.61	.16	.04	0	.05	0	T	4.19
303F	PASADENA - CAL TECH	.71	0	.28	6.08	3.54	1.77	1.76	1.47	.18	T	0	0	15.79
304	SAWPIT CANYON - DEER PARK	1.26	0	1.78	10.10	3.96	2.80	2.52	3.40	1.01	0	0	0	26.83
306C	TRANCAS BEACH	0	0	.16	4.69	1.40	1.54	1.13	1.10	0	0	0	0	10.02
311D	PASADENA METEROLOGICAL STATION	.60	0	.31	5.74	3.08	1.90	1.86	1.57	.23	T	0	0	15.29
312	AZUSA PLANT - GLENDORA IRR. COMPANY	.20	0	.88	6.55	2.87	2.57	1.57	1.45	0	0	0	0	16.09
318B	JACKSON LAKE - BIG PINES	.64	0	.37	11.08	2.53	.92	.71	.47	T	.07	0	.12	16.91
321-E	PINE CANYON PATROL STATION	.10	0	.10	6.90	2.22	1.17	1.53	.79	.14	0	0	0	12.95
322	MUNZ VALLEY RANCH	0	0	0	5.08	.62	1.17	.82	.15	0	0	0	0	7.64
334B-E	COGSWELL DAM	.49	0	.89	10.18	4.17	1.34	1.92	2.44	.28	.01	T	0	21.72
336	SILVER LAKE RESERVOIR	.26	0	.22	4.72	2.68	2.06	1.79	.45	.10	T	0	0	12.28
338A	MOUNT WILSON - OBSERVATORY	.95	0	1.48	11.04	3.88	1.67	2.29	3.38	.71	0	0	0	25.40
338B	MOUNT WILSON - AIRWAYS STATION	1.14	0	1.48	10.12	2.97	1.47	2.06	3.09	.59	T	0	0	22.92
339	WALNUT FRUIT GROWERS ASSOCIATION	.16	0	.35	4.76	1.12	1.29	1.18	1.26	.40	.21	0	0	10.73
341	ALISO CANYON - BLUM RANCH	.09	0	T	3.84	1.40	.82	.42	.24	.10	0	0	0	6.91
342B	UPLAND - CADNUM	.48	0	.77	5.99	1.78	1.18	1.42	1.42	.56	0	0	0	13.60
347E	BALDWIN PARK EXPERIMENTAL STATION	.30	0	.45	6.16	1.68	2.52	1.38	1.46	.20	0	0	0	14.15
349B	CAMP RINCON	.54	0	.93	10.75	4.13	1.82	2.02	3.35	.28	.01	0	0	23.86
351D	PALMDALE	.30	0	.03	3.61	.73	.65	.35	.17	T	.02	T	T	5.86
352B	LACHUSA PATROL STATION	T	0	.28	6.49	3.58	1.46	1.90	1.45	.10	0	0	0	15.26
355	LOS ANGELES - CITY COLLEGE	.15	0	.25	4.78	3.31	.90	1.63	.52	.07	0	0	0	11.61
356C	SPADRA - PACIFIC COLONY	.26	0	.36	5.09	1.51	1.02	1.27	1.08	.39	T	0	0	10.98
357	SAN FERNANDO POWER HOUSE NO. 3	.24	0	.39	6.66	1.14	2.52	1.17	1.12	.30	0	0	0	13.54
362B	EL MIRADOR RANCH	.93	0	.26	6.00	3.30	2.06	1.63	1.66	.26	0	0	0	16.10
363B	WILSON CANYON	.83	0	.78	10.20	2.98	3.23	1.96	2.21	.50	0	0	0	22.69
364	HAINES CANYON - LOWER	.83	0	.47	7.30	3.85	1.34	2.13	3.18	.12	0	0	0	19.22
365C	MT. LUKENS	1.00*	0	.90	7.13	2.44	2.00	1.71	3.48	.34	0	0	0	19.00**
367	HAINES CANYON - UPPER	1.06	0	.65	8.39	3.06	1.52	2.34	3.75	.20	0	0	0	20.97
372	SAN FRANCISQUITO POWER HOUSE NO. 2	.27	0	.20	5.57	.91	3.04	1.34	1.53	.42	0	0	0	13.28
373	BRIGGS TERRACE	1.00	0	.54	7.81	3.53	1.58	1.80	2.92	.33	0	0	0	19.51
375B	GRIFFITH PARK ZOO	.35	0	.27	7.50	2.85	1.57	1.65	.86	.15*	0	0	0	15.20**

SEASONAL 1956-57 MONTHLY RAINFALL SUMMARY

RAINFALL RECORDS IN INCHES

STA. NO.	STATION	OCT.	NOV.	DEC.	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	SEAS. TOTAL
377F	LAKE SHERWOOD ESTATES	.01	0	.28	6.35	3.48	1.48	1.67	.87	0	.07	0	0	14.21
379B	SAN GABRIEL - EAST FORK	.36	0	.85	9.45	3.45	1.56	1.93	2.93	.33	T	0	0	20.86
380	EL SERENO - MORGAN	.24	0	.31	4.75	2.10	1.15	2.17	.68	.17	0	0	0	11.57
381C	SANTA MONICA - OUTLOOK	.04	0	.50	4.67	3.14	1.19	1.45	.37	.07	T	0	0	11.43
384B	HIGHLAND PARK - SAN RAFAEL HILLS	.31	0	.29	5.89	3.08	1.94	1.72	1.57	.26	0	0	0	15.06
386C	ZUMA CANYON - OAKLEY	.01	0	.55	8.07	4.29	1.94	2.11	1.50	.07	0	T	0	18.54
388C	CLEARWATER - COUNTY FIRE STATION	.02	0	.05	3.27	1.55	.76	1.19	.36	.02	0	0	0	7.22
389	GLENDORA - BROWN	.35	0	1.17	7.38	2.03	2.53	1.72	1.85	.35	T	0	0	17.38
390B-E	MORRIS DAM	.59	0	1.35	8.97	3.53	1.57	1.82	2.34	.39	.01	0	0	20.57
391B	MONTEBELLO - FIRE DEPARTMENT	.16	0	.09	4.21	1.31	1.14	1.24	.84	.10	0	0	0	9.09
394	HIGHLAND PARK - LINDSAY	.26	0	.20	4.93	2.83	2.43	1.76	1.39	.19	T	0	0	13.99
395B	OLIVE VIEW SANITARIUM	.51	0	.52	6.76	1.90	1.06	1.25	1.41	.35	0	0	0	13.76
402C	CEDAR SPRINGS - STATE PRISON CAMP	1.34	0	.64	11.50	3.74	1.36	.79	2.32	.27	.06	0	0	22.02
405	SOLEDAD CANYON - ECKLES	.21	0	.05	6.22	1.50	1.16	.62	.80	.12	0	0	0	10.68
406C	WEST AZUSA - AZUSA IRR. CO. PLANT #6	.34	0	.58	6.00	1.72	2.06	1.42	1.40	.22	.06	0	0	13.80
407-E	NEWHALL - U.S.F.S. HEADQUARTERS	.23	0	.19	7.14	2.85	2.66	1.33	1.28	.13	0	0	0	15.81
409	RIDGE ROUTE - STATE HIGHWAY MAINTENANCE STATION	.45	0	.03	5.82	2.62	.40	.80	.60	.10	0	0	0	10.82
410D	RIDGE ROUTE - PARADISE RANCH	.36	0	0	8.73	3.61	1.19	1.94	1.04	0	0	0	0	16.87
411C	RIVERA - PICO - ROBINSON	.16	0	.30	4.46	1.47	1.11	1.14	1.18	.10	.01	0	0	9.93
415	SIGNAL HILL - CITY HALL	.06	0	.04	3.46	1.15	.68	1.01	.56	.04	0	0	0	7.00
419B	SANTA CLARA RIDGE - MT. GLEASON	.21	0	.72	6.42	2.93	.75	1.52	1.66	0	0	0	0	14.21
420A	ACTON - COLOMBO RANCH	.18	0	0	5.36	1.27	.90	1.16	.67**	0	0	0	0	9.54**
422C	PACOIMA CANYON - WALSH RANCH	1.60	0	.72	8.77	7.16	2.14	1.97	3.27	.35	0	0	0	25.98
423A	ACTON - ALISO CANYON	.23	0	.52	6.09	1.98	1.23	.97*	.27*	.18*	0	0	0	11.47**
425B-E	SAN GABRIEL DAM	.78	0	1.40	9.60	3.23	2.16	1.95	2.39	.30	.01	T	0	21.82
427B	DOWNEY - JORDAN	.03	0	.33	4.11	1.41	.81	1.53	1.75	.02	0	0	0	9.99
430	SAUGUS - STATE HIGHWAY MAINTENANCE STATION	.16	0	.12	4.06	2.59	.76	.46	.58	.35	0	0	0	9.08
432	SANTA ANITA - FERN LODGE	1.38	0	1.36	9.15	3.63	1.73	2.39	2.71	.60	0	0	0	22.95
433C	FAIR OAKS DEBRIS BASIN	1.41	0	.74	5.92	3.56	2.68	1.80	2.01	.23	0	0	0	18.35
434	MALIBU - DIVISION HEADQUARTERS	0	0	.10	6.28	2.63	1.18	1.34	.32	.10	0	0	0	11.95
435	MONTE NIDO	T	0	.40	8.56	2.90	1.49	2.10	1.13	.03	0	0	0	16.61
436B	HANSEN DAM	.38	0	.24	5.17	1.66	1.76	1.03	1.38	.12	0	0	0	11.74
437	HAMILTON BOWL - LONG BEACH	.05	0	.08	3.31	1.01	.77	1.06	.53	.03	0	0	0	6.84
440B	CHILAO - U.S.F.S. CAMP	.33	0	.35	10.31	2.31*	1.51	1.41	1.83	.30*	0	0	0	18.35**
441B-E	PALMDALE - COUNTY ROAD MAINTENANCE YARD	.33	0	.04	2.40	.32	.77	.31	.14	0	0	0	0	4.31
442	MESCAL CREEK - FORT TEJON ROAD	0	0	0	4.06	.96	.79	.17	.01	0	.12	.04	.01	6.16
443B	LATIGO CANYON BEACH RANCH	.04	0	.51	7.20	4.40	1.32	2.16	1.31	.07	.01	0	0	17.02
444C	ROLLING HILLS	.05	0	.10	5.37	1.93	1.29	1.29	1.05	.07	0	0	0	11.15
445B	LIVE OAK DAM	.48	0	.77	6.64	1.85	1.60	1.95	1.99	.44	.03	0	0	15.75
446	ALISO CANYON - SANTA SUSANA MTS.	.37	0	.81	7.72	3.29	2.10	1.66	2.55	.42	0	0	0	18.92
447B	LAS FLORES PATROL STATION	.06	0	.34	6.38	3.26	1.19	1.72	1.10	.06	0	0	0	14.11
449B	EATON DAM	.61	0	.56	6.05	3.39	1.81	1.90	1.85	.23	T	0	0	16.40
451B	CASTAIC PATROL STATION	.23	0	.32	5.78	1.94	.87	1.10	.92	.45	0	0	0	11.61
453B	DEVILS GATE DAM	.82	0	.53	6.15	3.40	1.94	1.67	1.95	.22	0	0	0	16.68
455	LANCASTER - STATE HIGHWAY MAINTENANCE STATION	.09	0	.01	3.85	.66	.55	.10	.15	0	0	0	0	5.41
456	PIUTE BUTTE - GOLDEN MESA DUDE RANCH	0	0	0	1.91	.45	.74	.10	0	0	0	0	0	3.20
458	ZUMA CANYON PATROL STATION	.31	0	.14	4.92	1.64	1.24	1.34	1.00	.11	0	0	0	10.70
460B	PLEASANT VIEW MESA - NEAL	0	0	0	4.55	1.66	.43	.34	.11	0	0	0	.22	7.31
461	BALDWIN HILLS - STANDARD OIL FIELD OFFICE	.09	0	.58	4.03	1.83	1.82	1.41	.30	.10*	.03	0	0	10.19**
462B	HILLCREST COUNTRY CLUB - LOS ANGELES	.22	0	.44	5.25	2.89	1.04	1.70	.55	.09	.04	0	0	12.22
463B	MAR VISTA SOUTHERN CALIFORNIA WATER CO.	.11	0	.45	5.05	2.20	1.28	1.33	.34	0	0	0	0	10.76
465C	SEPULVEDA DAM - AUTOMATIC	.15	0	.02	6.92	2.06	.94	.83	.18	.07	0	0	0	11.17
466B	PACOIMA CANYON - DUTCH LOUIE CN.	1.80	0	.99	8.28	2.65	1.92	1.66	2.96	.51	0	0	0	20.77
468	PICKENS DEBRIS BASIN	.81	0	.45	6.29	3.07	1.39	1.57	2.37	.24	0	0	0	16.19
470	TUJUNGA - MILL CREEK	.21	0	.63	5.32	1.60	1.16	1.15	1.26	.30	0	0	0	11.63
471	LITTLE TUJUNGA - GOLD CREEK	.20	0	N.R.	INC.	2.32	N.R.	2.35	INC.	N.R.	0	0	0	INC.
473	AQUA DULCE CANYON - BLACKWELL RANCH	.13	0	.10	4.71	1.70	1.50	.64	.96	.15	0	0	0	9.89
474B	SOUTH GATE - FIRE DEPARTMENT	.02	0	.43	3.99	1.34	1.68	1.14	1.49	.02	0	0	0	10.11
475	SAUGUS - NEWHALL LAND AND FARMING COMPANY	.16	0	.14	5.21	2.26	3.47	.71	.62	.30	0	0	0	12.87
476D	TRIUNFO CANYON	.07	0	.14	5.91	3.14	1.21	1.47	.48	.07	.02	0	0	12.51
477B	SANTA ANITA - SPRING CAMP	.95	0	1.48	11.85	3.82	1.45	2.31	2.86	.45	0	T	0	25.17
478	VALYERMO - U.S.F.S. HEADQUARTERS	.06	0	0	5.19	1.21	.68	.25	.05	T	.14	0	.22	7.80
480B	TEMPLE CITY FIRE STATION	.21	0	.29	4.70	2.12	2.27	1.69	.78	.19	.04	0	0	12.29
482	LOS ANGELES - U.S.C.	.07	0	.55	4.55	1.46	.99	1.51	.57	.08*	0	0	0	9.78**
486B	COLDWATER CANYON - WIDMAN RANCH	.69	0	.98	10.15	3.11	1.94	1.91	3.41	.61	.06	T	.03	22.89
488	KAGEL CANYON PATROL STATION	.91	0	.41	5.74	2.07	1.70	1.60	1.99	.28	0	0	0	14.70
489	COLD CREEK - STUNT'S RANCH	T	0	.19	8.39	3.70	1.64	2.53	.85	.05	T	T	0	17.35
490	LANCASTER - WILEY RANCH	0	0	0	2.01	.40	.75	.10	0	0	0	0	0	3.26
491B	PACIFIC PALISADES	.02	0	.36	7.19	2.84	1.03	1.60	.75	.08	0	0	0	13.87
492	CHILAO - STATE HIGHWAY MAINTENANCE STATION	.24	0	.40	9.26	3.00	1.05	1.42	2.02	.30	0	0	0	17.69
493B	SAND CANYON - BARRUS	.30	0	.20	6.98	3.21	1.05	1.48	1.24	.08	0	0	0	14.54
497	CLAREMONT - SLAUGHTER	.39	0	.72	6.06	1.75	1.60	1.65	1.65	.45	.05	0	0	14.32
498	ANGELES CREST HIGHWAY - DARK CANYON TRAIL	1.20	0	1.12	8.39	4.77	1.51	2.05	4.13	.40	0	0	0	23.57
508C	ARROYO SECO - RANGER STATION	1.03	0	.61	6.06	3.34	1.62	1.66	2.12	.26	0	0	0	16.70
517B	ANDERSEN RANCH (LEWIS RANCH)	0	0	0	6.20	2.21	.94	.55	.11	0	.08	0	.10	10.19
519B	ELIZABETH LAKE - STRANDBERG	.12	0	.58	7.49	1.96	1.63	1.57	1.51	.16	.02	0	T	15.04
530	CONEJO RANCH	.01*	0	.18*	5.05**	1.71	2.17	1.42	.40	0	0	0	0	10.97**
542-E	FAIRMONT	T	0	.28	6.89	2.17	.64	1.36	.58	T	0	0	0	11.92
551	HUENEME LIGHTHOUSE	0	0	.16	4.02	3.87	.75	1.31	.31	.20	0	0	0	10.62
564B	LLANO	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	0	0	0	0	0	0	INC.
565B	LONG BEACH - CITY AUTOMATIC	.01	0	T	3.01	.68	1.30	1.00	.40	.01	0	0	0	6.41
566	LONG BEACH NO. 1	.06	0	.11	3.80	.80	1.10	1.16	.77	.04	0	0	0	7.84
571C	LONG BEACH NO. 6	.05	0	.15	3.75	.58	.98	1.06	.67	.02	0	0	0	7.26
575C	LONG BEACH WEATHER BUREAU	.02	0	.06	3.52	1.16	.63	1.12	.80	.03	.01	T	0	7.35
577F	L.A. (U.S.W.B.) - FEDERAL BUILDING	.12	0	.34	4.41	1.47	1.02	1.47	.63	.08	T	T	0	9.54
587B	SAN ANTONIO CANYON - POWER HOUSE NO. 1	.28	0	.82	8.17	2.49	1.68	1.65	3.02	.41	.01	0	.03	18.56
588C	MOUNT LOWE	.89	0	.61	5.09	1.93	2.00	2.03	2.31	.44	0	0	0	15.30
593B	NEWHALL RANCH	.12	0	.31	6.87	2.40	1.74	1.38	.58	.10	0	0	0	13.50
598	NEENACH	.15	0	.02	4.00	.87	.90	.40	.45	T	T	0	0	6.79
610A	PASADENA - JONES	.79	0	.47	6.27	3.28	1.64	1.97	1.96	.20	0	0	0	16.58
610B	PASADENA - CITY HALL	.62	0	.31	6.00	3.12	1.89	2.08	1.43	.18	T	0	0	15.63
611C	ALTADENA GOLF COURSE	.99	0	.57	6.43	3.06	1.19	1.79	2.16	.22	0	0	0	16.41
612	PASADENA - CHLORINE PLANT	1.03	0	.60	5.81	3.47	1.75	1.54	2.10	.23	T	0	0	16.53
613B	PASADENA - HURLBUT FIRE STATION	.45	0	.12	5.22	2.96	1.93	1.76	1.53	.22	T	0	0	14.19
617B	POMONA - ADAMSON	.27	0	.50	5.16	1.49	1.19	1.41	1.15	.32	.01	0	0	11.50
618B	TAPO CITRUS ASSOCIATION	0	0	0	4.37	1.25	3.34	1.38	.87	.26	0	0	0	11.47
619	SAN ANTONIO CANYON - SIERRA POWER HOUSE	.17	0	.76	10.82	3.27	1.63	2.01	2.80	.27	.03	0	.01	21.77
627	SAN GABRIEL CANYON POWER HOUSE	.53	0	.91	7.36	2.33	1.96	1.68	1.67	.36	.05	0	0	16.85
629C	SAN PEDRO U.S.W.B.	.02	0	.08	3.69	1.14	.73	1.06	.69	T	0	0	0	7.41
634B	SANTA MONICA - CITY HALL	.04	0	.43	4.74	2.95	1.11	1.35	.40	.07	0	T	0	11.09
644	SOMIS - SNYDER RANCH	.11	0	.15	4.68	1.10	3.96	1.22	.74	.14	0	0	0	12.10
647G	SUNLAND - TUJUNGA	.45	0	.21	5.25	1.95	1.34	1.67	1.95	.09	0	0	0	12.91
650B	UPLAND-BAIRD	.17	0	.88	5.93	1.51	1.36	2.20	2.03	0	0	0	0	14.08
660	OXNARD	T	0	.10	5.16	1.35	2.31	.74	.35	.12	0	0	0	10.13
662	LONG BEACH - 37TH AND GAVIOTA	.01	0	.04	3.41	.60	.98	.96	.45	.03	0	0	0	6.48

SEASONAL 1956-57 MONTHLY RAINFALL SUMMARY

RAINFALL RECORDS IN INCHES

STA NO.	STATION	OCT.	NOV.	DEC.	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	SEAS. TOTAL
666B	LONG BEACH - 60TH AND LINDEN	T	0	T	3.38	1.15	.97	1.08	.42	.02	0	0	0	7.02
672	EAGLE ROCK S.C.E. COUNTY SUBSTATION	.37	0	.22	5.57	3.07	2.08	1.61	1.42	.21	.06	0	0	14.61
673B	SEAL BEACH - POWER PLANT	.03	0	.14	3.74	.92	.60	1.07	.53	.02	.06	0	0	7.11
676	LOS ANGELES - WEST 80TH STREET	.09	0	0	4.68	1.19	1.23	1.22	.53	.07	T	0	0	9.01
677C	PASADENA - HOFFNER	.73	0	.36	5.92	3.26	1.96	1.55	1.65	.23	0	0	0	15.66
678	PASADENA - SHELDON RESERVOIR	.74	0	.43	5.92	3.37	2.08	1.64	1.75	.20	.01	0	0	16.14
679	PUENTE - NO. WHITTIER HEIGHTS CITRUS ASSOCIATION	.40	0	.41	5.25	1.33	1.73	1.21	1.12	.10	.04	0	0	11.59
680	WESTWOOD - U.C.L.A.	.17	0	.28	7.07	3.83	.98	1.88	.63	.12	T	0	0	14.96
681A	SIERRA MADRE RANGER STATION	1.14*	0	.66	6.67	3.82	.99	1.92	1.86	.39	0	0	0	17.45**
683	SUNSET RIDGE GUARD STATION	1.45	0	.70	5.38	3.02	1.71	1.73	2.26	.23	0	0	0	16.48
689D	SAN MARINO - COOPER	.30	0	.33	6.34	3.33	2.08	1.87	1.38	.18	0	0	0	15.82
691B	SAN ANTONIO SPREADING GROUNDS	.25	0	.81	6.80	2.10	1.36	1.40	2.48	.35	T	0	0	15.55
695B	TUJUNGA CANYON - VOGEL FLAT	.62	0	.70	8.16	3.11	1.33	1.87	3.47	T	0	0	0	19.26
696	PASADENA GLEN	.96	0	.73	6.83	2.88	2.64	2.16	2.04	.35	0	0	0	18.59
703	GLENDALE - MC INTYRE	.62	0	.14	5.12	3.82	1.07	1.60	.80	.18	0	0	0	13.35
705	ALDER CREEK - PARADISE RANCH	.90	0	.53	5.70	1.91	1.34	1.73	2.08	.31	0	0	0	14.50
715B	LOS ANGELES POST OFFICE TERMINAL BUILDING	.14	0	.36	4.94	1.51	1.61	1.49	.53	.08	0	0	0	10.66
716	LOS ANGELES WATER DEPARTMENT - DUCOMMUN STREET	.12	0	.39	4.82	1.09	1.81	1.51	.75	.06	0	0	0	10.55
718	THOUSAND OAKS	.01	0	.15	4.97	2.60	1.71	1.27	.53	.10	T	0	0	11.34
719	DUARTE - MADDOCKS RANCH	.72	0	.70*	5.87	2.45	2.13	1.72	1.45	.27	0	0	0	15.31**
720	SIMI VALLEY - SMITH RANCH	.25	0	.25	5.30	2.05	2.75	1.42	.70	.15	0	0	0	12.87
722B	BELLEVIEW - STRATMAN	.11	0	.14	5.45	1.10	1.12	.57	.63	0	0	0	0	9.12
724	BIG DALTON - MONROE CANYON FLUME	.55	0	1.33	8.58	2.61	1.33	2.16	3.15	.53	.02	0	0	20.26
725	BIRMINGHAM HOSPITAL	.13	0	.02	8.17	2.47	1.39	.92	.68	.12	0	0	0	13.90
726	ANGELES CREST - GUARD STATION	1.46	0	.89	7.62	4.22	1.93	1.86	3.70	.42	0	0	0	22.10
727	NEWCOMB PASS	1.49	0	1.58	12.87	4.73	1.56	2.16	3.59	.53	0	T	0	28.51
728	PACOIMA CANYON - CITY ROAD GAGE	1.24	0	1.15	8.63	1.66	2.36	2.27	3.36	.34	0	0	0	21.01
730	MILLARD CANYON - DAWN MINE	1.19	0	.81	6.80	2.58	2.67	2.71	3.08	.39	0	0	0	20.23
731	OAK GROVE HEADQUARTERS - U.S.F.S. FLOOD CONTROL	.94	0	.67	6.24	2.46	2.52	1.68	2.08	.20	0	0	0	16.79
732B	ROBERT'S CANYON - SAN GABRIEL WEST FORK DIVIDE	.97	0	1.52	12.13	3.93	1.49	2.37	2.93	.46	0	0	0	25.80
734B	LOS ANGELES MUNICIPAL AIRPORT	.01	0	.49	3.88	1.94	.95	1.33	.27	.06	.03	T	0	8.96
735B	BELL CANYON - RUSHWORTH	.17*	0	.15*	5.71	2.11	1.36	1.21	.63	.33	0	0	0	11.67**
737	UPPER SESPE-CHORO GRANDE RANCH	.31	0	.42	9.46	3.80	1.38	1.58	1.51	.24	0	0	0	18.70
739	SANTA PAULA - LIMONERIA RANCH	.06	0	.26	4.95	2.87	.66	1.35	.52	.08	0	0	0	10.75
740B	SAN DIMAS CANYON - FERN NO. 2	.29	0	.84	12.35	3.42	1.42	2.15	2.84	.43	0	0	0	23.74
741	SAN DIMAS CANYON - UPPER EAST FORK	.38	0	.97	8.46	2.82	1.56	1.55	2.64	.47	0	0	0	18.85
742B	SAN GABRIEL - FIRE DEPARTMENT	.42	0	.29	4.99	1.82	2.22	1.61	.80	.15	T	0	0	12.30
746	MOJAVE - BACKUS RANCH	.06	0	T	1.85	.82	.57	.29	.02	.01	0	T	0	3.62
747	SANDBERG - AIRWAYS STATION	.28	0	.15	6.30	1.96	.92	.62	1.04	.09	T	0	T	11.36
749	BURBANK - U.S.W.B.	.51	0	.13	5.72	2.12	1.12	1.19	.62	.08	T	T	0	11.49
750	PALMDALE - C.A.A.C. STATION	.04	0	.01	3.54	.45	.58	.13	.11	0	T	T	.05	4.91
751B	TORRANCE - FIRE DEPARTMENT	T	0	0	4.20	1.37	1.26	.63	.46	T	T	0	0	7.92
755	GRIFFITH PARK - LITTLE CANYON	.20	0	.20	6.09	3.84	1.37	1.67	.83	.15*	0	0	0	14.35**
756	GRIFFITH PARK - UPPER SPRING CANYON	.16	0	.15	5.91	3.68	1.10	1.40	.65	.15*	0	0	0	13.20**
757	GRIFFITH PARK - FERN DELL	.16	0	.22	5.57	3.32	1.08	1.33	.42	.12*	0	0	0	12.22**
758	GRIFFITH PARK - LOWER SPRING CANYON	.21	0	.08	4.65	3.42	.98	1.13	.45	.15*	0	0	0	11.07**
759	HOLLYWOOD - 1736 COURTNEY AVENUE	.25	0	.25	6.09	3.27	1.50	1.68	.40	.09*	0	0	0	13.53**
760	STUDIO CITY - 3913 GOODLAND AVENUE	.20	0	.15	7.25	2.62	.78	1.42	.45	.10*	0	0	0	12.97**
761	STONE CANYON - NORTH	.15	0	.32	9.35	3.10	.90	1.48	.40*	.10*	0	0	0	15.80**
762	UPPER STONE CANYON	.25	0	.25	8.38	2.75	.65	1.32	.50	.05*	0	0	0	14.15**
763F	SEPULVEDA CANYON - EAST FIRE ROAD NO. 19	.17	0	.32	9.30	2.76	.83	1.52	.62	.14*	0	0	0	15.66**
764	STONE CANYON, 2302 RIAL LANE	.15	0	.25	8.75	3.20	.77	1.56	.76	.14*	0	0	0	15.58**
765B	15801 MULHOLLAND DRIVE, KIRKMAN	.20	0	.32	8.54	3.46	.89	1.31	.49	.05*	0	0	0	15.26**
766	MANDEVILLE CANYON - FIRE ROAD NO. 24	.35	0	.17	9.73	3.25	.80	1.08	.45	.05*	0	0	0	15.88**
767	3351 MANDEVILLE CANYON ROAD	.17	0	.38	9.64	3.92	.82	1.48	.67	.05*	0	0	0	17.13**
768	SULLIVAN CANYON - FIRE ROAD NO. 26	.09	0	.17	7.84	2.76	.76	1.20	.62	.05*	0	0	0	13.49**
769	SANTA YNEZ CANYON - TEMESCAL FIRE ROAD NO. 30	.08	0	.23	7.36	3.52	.60	1.40	.91	.12*	0	0	0	14.22**
770	SANTA YNEZ CANYON - PASEO MIRAMAR	.05	N.I.	N.I.	N.I.	2.52	.50	1.32	1.05	.10*	0	0	0	INC.
771	RUSTIC CANYON - SANTA MONICA	.08	0	.26	6.31	2.65	.63	1.60	.70	.08*	0	0	0	12.31**
772	ECHO PARK AND LUCRETIA - LOS ANGELES	.15	0	.15	4.63	2.80	.87	1.40	.35	.07*	0	0	0	10.42**
774	BARLOW SANITARIUM	T	0	.23	4.64	2.39	.90	1.35	.40	.07*	0	0	0	9.98**
776	NICHOLS CANYON - NEAR MULHOLLAND DRIVE	.29	0	.18	7.48	3.91	1.13	1.71	.72	.10*	0	0	0	15.52**
777	KENTER CANYON - 259 NORTH KENTER ROAD	.17	0	.30	7.16	3.28	.92	2.02	.83	.07*	0	0	0	14.75**
778B	SEPULVEDA CANYON - 11817 BELLAGIO ROAD	.16	0	.44	8.54	3.59	.88	1.93	.88	.12*	0	0	0	16.54**
779	GRIFFITH PARK - LOWER MINERAL WELLS	.45	0	.07	5.66	3.45	1.30	1.29	.72	.10*	0	0	0	13.04**
780	GRIFFITH PARK - UPPER MINERAL WELLS	.48	0	.15	5.57	3.45	1.38	1.42	.85	.15*	0	0	0	13.35**
783	COON CANYON	1.08	0	.62	5.73	1.45	2.43	1.70	1.00	.28	0	0	0	14.29
784	COON CANYON	1.16	0	.63	6.12	2.50	2.43	1.66	2.33	.39	0	0	0	17.22
785	COON CANYON	1.14	0	.75	6.47	2.67	2.56	1.75	2.39	.36	0	0	0	18.09
786	COON CANYON	1.25	0	.72	5.80	2.31	2.44	1.73	2.57	.31	0	0	0	17.13
787	COON CANYON	1.20	0	.68	6.08	2.47	2.48	1.70	2.49	.33	0	0	0	17.43
788	COON CANYON	1.16	0	.60	5.65	2.34	2.40	1.67	2.38	.32	0	0	0	16.52
789	EL PRIETO CANYON	1.45	0	.72	6.09	2.62	2.68	1.80	2.70	.31	0	0	0	18.37
790	FILLMORE CITRUS ASSOCIATION	0	0	.25	7.66	3.07	1.16	1.56	.75	.20	0	0	0	14.65
791	BUENA VENTURA LEMON ASSOCIATION - SATICOY	0	0	.14	4.30	1.71	1.84	.99	.28	.06	0	0	0	9.32
792	COUNTY AGRICULTURE OFFICE - SANTA PAULA	.01	0	.25	5.75	1.88	2.07	1.17	.62	.16	0	0	0	11.91
793	MARKHAM SADDLE	.86	0	1.35	8.43	1.84	2.78	1.87	3.02	.34	0	0	0	20.49
794	LOWER FRANKLIN RESERVOIR	.21	0	.15	6.95	3.25	.85	1.88	.35	.10	0	0	0	13.74
795	PASADENA - JOURDAN	.50	0	.36	5.73	3.19	1.85	1.72	1.51	.20	T	0	0	15.06
796	FIRE DEPARTMENT - ELYSIAN PARK	.15	0	.22	3.62	2.06	.98	1.40	.40	.08*	0	0	0	8.91**
797	DE SOTO RESERVOIR	.12	0	.23	6.32	1.43	2.23	1.24	1.11	.28	0	0	0	12.96
801	MAGIC MOUNTAIN	.10	0	.99	7.44	1.43	2.04	1.95*	2.90*	.29*	0	0	0	17.14**
802	EAGLE ROCK RESERVOIR	.29	0	.18	5.17	2.43	2.64	1.57	1.38	.20	.04	0	0	13.90
804	NORTH CANYON (GRIFFITH PARK)	.42	0	.12	5.95	3.77	1.32	1.46	.94	.15*	0	0	0	14.13**
805	2771 ROWENA AVENUE - (BEN PACHECO)	.20	0	.16	3.15	3.47	.98	1.64	.25	.10*	0	0	0	9.95**
806	2376 TEVIOT STREET (W.C. OLSON)	.15	0	.15	4.06	3.07	.83	1.60	.25	.10*	0	0	0	10.21**
807	ASCOT RESERVOIR	.24	0	.31	4.90	2.24	1.15	2.11	.65	.15	0	0	0	11.75
1000	HUNT CANYON - BONES RANCH	.26	0	T	3.67	.54	.94	.30	T	0	0	0	T	5.71
1002	TUJUNGA - EADE	1.15	0	.21	5.20	2.36	1.78	1.46	2.26	.10	0	0	0	14.52
1005	MINT CANYON - THE OAKS	.23	0	.35	3.85	1.70	2.11	1.07	1.32	.25	0	0	0	10.88
1006	SAN PEDRO - CITY RESERVOIR	.02	0	.07	4.37	1.09	.69	.92	.63	.03	0	0	0	7.82
1007B	CAMP VALCREST - ANGELES CREST HIGHWAY	.28*	0	.38*	8.90	2.00**	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	INC.
1008-E	LA FRESA - SOUTHERN CALIFORNIA EDISON CO.	0	0	.10	4.01	1.16	1.10	1.11	.55	.08	.02	0	0	8.13
1009	MINT CANYON - DYER	.26	0	.14	4.59	2.14	2.81	.71	.79	.43	0	0	0	11.87
1010B	PALMER CANYON - FORKS	.33	0	.98	8.46	2.39	1.93	1.68	2.89	.49	.06	0	0	19.21
1011B	PALOS VERDES FIRE STATION	.10	0	.12	5.14	1.52	.98	1.20	.88	.17	0	0	0	10.11
1012	CASTAIC JUNCTION	.20	0	.36	5.53	1.97	2.00	.84	.61	.45	0	0	0	11.96
1013B	TUJUNGA CANYON ABOVE GOLD CANYON	.77	0	.37	5.26	2.13	1.38	1.88	2.07	.21	0	0	0	14.07
1014D-E	RIO HONDO SPREADING GROUNDS	.31	0	.28	4.08	1.29	.92	1.01	1.12	.07	0	0	0	9.08
1016	PALO COMADO CANYON - AGOURA	.03	0	.15	5.16	1.77	2.04	1.45	.42	0	0	0	0	11.02
1017	LITTLE ROCK CREEK ABOVE SANTIAGO CREEK	.09	0	T	3.89	1.04	.66	.34	.08	.03	0	0	0	6.13
1018B	SANTA SUSANA MTS. - DEVIL CANYON	.25	0	.57	7.61	4.74	2.08	1.91	1.72	0	0	0	0	18.88
1019	SANTA SUSANA MTS. - SALT CANYON	.19	0	.64	8.58	5.34	2.34	2.15	1.75	0	0	0	0	20.99
1020	PADUA HILLS PATROL STATION	.36	0	.77	7.32	1.83	1.81	1.59	2.27	.41	.01	0	0	16.37

SEASONAL 1956-57 MONTHLY RAINFALL SUMMARY

RAINFALL RECORDS IN INCHES

STA. NO.	STATION	OCT.	NOV.	DEC.	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	SEAS. TOTAL
1021	YERBA BUENA WATER TANK	1.14	0	.67	7.26	2.43	1.70	2.20	2.66	.22	0	0	0	18.28
1022	HASLEY CANYON - WESTERN GULF OIL COMPANY	.30	0	.45	7.55	2.29	.88	1.65	1.16	0	0	0	0	14.28
1023B	GARRAPATA CANYON - SPEER	.07	0	.10	6.33	2.94	1.14	1.42	.36	.14	0	0	0	12.50
1024B	TOPANGA - DE WITT	.06	0	.10*	7.68	N.R.	.97	N.R.	N.R.	N.R.	0	0	0	INC.
1025	MALIBU BEACH - DUNNE	0	0	.26	5.88	2.34	.96	1.38	1.22	.10	0	0	0	12.04
1028	CORRAL CANYON - STEWART	.10	0	.47	6.74	3.05	1.88	2.12	1.87	.12	0	0	0	16.35
1029	TUJUNGA MILL CREEK SUMMIT	.18	0	.60	5.35	2.45	.63	1.27	1.22	.30*	0	0	0	12.00**
1030	MT. ISLIP - LITTLE JIMMY SPRINGS	.84	0	1.46	16.48	5.62	1.92	3.25	3.61	.36	0	0	0	33.54
1031B	WATERMAN MT.	.11	0	.27	11.21	3.10	1.46	1.52	2.98	.35	.16	0	0	21.16
1035	WHITTIER - WOOD	.29	0	.29	5.00	1.57	1.02	1.24	1.07	.10	.05	0	0	10.63
1036	LITTLE TUJUNGA CANYON	1.16	0	.98	6.28	2.05	1.46	1.58	2.89	.37	0	0	0	16.77
1037-E	EAST ARCADIA - ARBORETUM	.51	0	.45	5.61	3.15	2.01	1.89	1.24	.24	T	0	0	15.10
1038	PACIFICO MT.	.12	0	.27	4.42	1.92	.79	.87	1.60	.33	0	0	0	10.32
1039B	LOS ANGELES - MAC QUEEN	.12	0	.27	5.66	2.34	1.57	1.64	.54	.06	0	0	0	12.20
1040	POTRERO CANYON SUNRAY OIL CORPORATION	.12	0	.11	4.99	1.57	3.34	.91	.63	.09	0	0	0	11.76
1041B	SANTA FE DAM	.26	0	.51	5.15	1.59	2.27	1.49	1.12	.12	0	0	0	12.51
1042	EASTFIELD GATE - ROLLING HILLS	0	0	.07	4.81	2.07**	1.49**	1.63	1.58	.15	0	0	0	11.80**
1043	EAST CREST GATE - ROLLING HILLS	.05	0	.04	4.25	1.33**	1.21**	1.38	.79	.04	0	0	0	9.09**
1044	PORTUGUESE BEND	.13	0	.04	3.89	1.07**	1.14**	.94	.91	.02	0	0	0	8.14**
1045	WEST GATE - ROLLING HILLS	.05	0	.09	3.50	1.49**	1.10**	1.37	.88	.02	0	0	0	8.50**
1046	BIG SANTA ANITA - CHANTRY FLAT	1.50	0	1.40	7.77	3.95	2.14	2.08	2.33**	.60*	0	0	0	21.77**
1047	PUENTE - REINHARD	.20	0	.35	5.14	1.60	1.42	1.36	1.45	.20	.11	0	0	11.83
1048	LA CRESCENTA - COUNTY ROAD DEPARTMENT	.38	0	.53	7.00	2.96	1.39	1.64	2.61	.25	0	0	0	16.76
1050	OLD TOPANGA CANYON - GRAY	.02	0	.12	8.90	3.88	1.38	1.73	.31	.12	0	0	0	16.46
1051	CANOGA PARK - PIERCE COLLEGE	.21	0	.15	5.79	2.08	1.03	1.06	.26	T	0	T	0	10.58
1052	CAMP JOSEPHO	.62	0	.50	9.69	3.86	1.15	1.75	1.23	.12	0	0	0	18.92
1053	TUJUNGA CANYON - SOLOMON	.85	0	.22	5.10	1.88	1.30	1.47	2.20	.12	0	0	0	13.14
1054	VETERAN'S HOSPITAL - SAN FERNANDO	.85	0	.45	6.30	1.89	1.82	1.24	1.87	0	0	0	0	14.42
1055	SAN ANTONIO DIVIDE	.16	0	.81	7.68	3.38	1.10	2.00	3.96	.50	0	0	0	19.59
1056	LANCASTER - MC CARGAR	0	0	0	2.54	.62	.68	.12	0	0	0	0	0	3.96
1057B	WHITTIER NARROWS - ABOVE DAM	.51	0	.35	4.32	1.35	1.20	1.24	.67	.09*	.05	0	0	9.78**
1058	PALMDALE 2 N.E.	.30	0	.03	3.61	.73	.65	.35	.17	T	.02	0	0	5.86
1059B	SOUTH HAWKINS	.31	0	1.09	12.25	4.19	1.43	2.48	2.75	0	.08	T	0	24.58
1060	LITTLE ROCK - SYCAMORE CAMP	.12	0	.15	4.18	1.23	.75	.87	.49	.04	0	0	0	7.83
1062	BUCKHORN FLAT	.12	0	.28	11.84	3.27	1.54	1.60	3.15	.37	.17	T	0	22.34
1063	SOLEDAD PASS	.11	0	.01	4.37	.92	1.04	.29	.05	T	0	0	.20	6.99
1064	SAN GABRIEL EAST FORK - DOT MINE	.33	0	.77	8.37	2.84	1.59	1.84	2.47	.47*	.02*	0	0	18.70**
1066	LONG BEACH WOODRUFF AVENUE	.01	0	.06	4.20	.64	.70	.79	.53	.05	0	0	0	6.98
1067	SANTIAGO CANYON	.11	0	.05	4.98	1.62	.59	.78	.36	.05	0	0	T	8.54
1068	RATTLESNAKE CANYON - CAMP NO. 3	.04	0	.36	6.45	3.77	1.99	2.95	1.49	0	0	0	0	17.05
1069	SAN GABRIEL - EAST FORK TUNNEL	.27	0	.71	7.78	2.75	1.85	2.07	2.83	.60*	0	0	.03*	18.89**
1070	MANHATTAN BEACH	.01	0	.46	4.03	.96	1.19	.82	.41	.06	0	0	0	7.94
1071B-E	DESCANSO GARDENS	.82	0	.58	6.67	3.44	1.65	1.87	2.08	.25	0	0	0	17.36
1072	LITTLE TUJUNGA RANGER STATION	1.03	0	.40	5.47	1.87	1.65	1.50	1.73	.28	0	0	0	13.93
1073	PALMDALE - CIRCLE C	.48	0	.01	2.87	.59	.85	.35	.09	.01	T	T	0	5.25
1074	LITTLE GLEASON	.65	0	.90	8.88	2.75	1.25	1.76	2.02	0	0	0	0	18.21
1075	UPPER WOLFSKILL CANYON	.66	0	1.17	9.18	2.77	1.49	1.64	3.25	.74	0	0	0	20.90
1076	HIDDEN SPRINGS	.46	0	.32	6.82	2.86	1.20	1.48	2.26	.26	0	0	0	15.66
1077	MONROVIA - 5 POINTS	.11	0	.74	6.41	3.54	2.70	1.84	1.67	.42	0	0	0	17.43
1078	COVINA GRIFFITH	.29	0	.46	5.31	1.53	1.67	1.48	1.40	.43	0	0	0	12.57
1079	RUBIO DEBRIS BASIN	1.50	0	.70	5.99	3.41	1.30	1.70	1.91	.25	0	0	0	16.76
1080	BRADBURY DEBRIS BASIN	.75	0	.70	6.78	3.20	1.94	1.68	1.84	.35	0	0	0	17.24
1081	DEER DEBRIS BASIN	.61	0	.38	6.18	3.11	1.45	1.59	1.96	.24	0	0	0	15.52
1082	DUNSMUIR DEBRIS BASIN	1.18	0	.38	7.59	3.42	1.68	1.77	2.41	.42	0	0	0	18.85
1083	MADDOCK DEBRIS BASIN	.69	0	.64	4.50	2.85	1.84	1.80	1.60	.33	0	0	0	14.25
1084	MAY DEBRIS BASIN	.72	0	.48	6.74	1.77	1.93	1.19	1.36	.31	0	0	0	14.50
1085	MC CLURE DEBRIS BASIN	.59	0	.19	4.89	1.89	1.46	1.25	1.26	.09	0	0	0	11.62
1086	TURNBULL DEBRIS BASIN	.54	0	.44	4.71	1.74	1.00	1.32	1.07	.09	.06	0	0	10.97
1087	GREEN VERDUGO POWER PLANT	.52	0	.20	5.59	1.20	1.60	1.43	1.89	.10	0	0	0	12.53
1088B	LA HABRA HEIGHTS WATER COMPANY	.34	0	.35	4.03	1.42	.64	1.74	.99*	.37*	0	0	0	9.88**
1089C	TOPANGA CANYON OUTLET	T	0	.06	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	T	INC.
1090	LOS ALAMITOS	0	0	.09	3.83	.95	.52	.79	.51	.01	0	0	0	6.70
1091	CYPRESS	.01	0	.12	2.04	.79	1.08	1.16	.65	.07	T	0	0	5.92
1092	BUENA PARK	.02	0	.17	4.04	1.52	.54	2.01	.94	0	0	0	0	9.24
1093-E	FULLERTON AIRPORT	.06	0	.20	3.79	.71	.95	.89	.89	.16	0	0	0	7.65
1094	BREA	.18	0	.42	3.70	1.46	.55	1.14	.75	.40	0	0	0	8.60
1095	ORANGE COUNTY RESERVOIR	.22	0	.48	3.68	.92	.67	.93	.58	.28	.19	0	0	7.95
1096	LA VIDA SPRINGS	.17	0	.42	5.32	.76	1.34	1.26	1.78	0	0	0	0	11.25
1097	CARBON CANYON SUMMIT	T	0	.55	5.51	1.00	1.19	1.13	1.58	.23	0	0	0	11.19
1098	BREA CANYON	0	0	.60	5.38	1.35	1.10	1.17	1.65	.25	0	0	0	11.50
1099	WHITTIER - CATE	.37	0	.30	4.80	1.56	1.24	1.15	.97	.11	.04	0	0	10.54
1101	DEL SUR SCHOOL	.01	0	T	3.99	.97	1.16	.62*	.18*	0	0	0	0	6.93**
1102	BOBCAT CANYON - SAN GABRIEL WEST FORK	.18*	0	.63	8.35	3.70	1.42	1.73	2.38	.28	0	0	0	18.67**
1103	RESEDA - HOUSSELS	.24	0	.06	6.25	1.83	1.19	.84	.54	.13	0	0	0	11.08
1104	BOUQUET CANYON - TEXAS CANYON	.35	0	N.R.	N.R.	N.R.	N.R.	N.R.	1.10	N.R.	0	0	0	INC.
1105	FAIRMONT - BARNES	0	0	0	5.20	1.33	.33	.92	.32	0	0	0	0	8.10
1106	ANTELOPE VALLEY FIELD STATION	.08	0	.05	4.70	.73	.99	.64	.19	0	0	0	0	7.38
1107B	LA TUNA CANYON	.36**	0	.20*	5.49	1.57	1.47	1.52	1.94	.04	0	0	0	12.59**
1108	ANAVERDE - PLATT	.39**	0	.15	7.39	.60	1.39	.77	.26	0	0	0	0	10.95**
1109	MT. BALDY	.21	0	1.19	10.27	4.52	1.47	2.68	5.30	.67	0	0	0	26.31
1110	SCHOLL DEBRIS BASIN	.43	0	.17	5.17	3.06	2.09	1.54	1.26	.19	0	0	0	13.91
1111	PUNCHBOWL RANCH	.15	0	.04	7.95	2.45	.92	.51	.17	0	.15	0	.48	12.82
1112	BEAR CANYON - SAN GABRIEL WEST FORK	.49	0	.99	12.42	4.24	1.63	1.99	2.73	.47	0	0	0	24.96
1113	DOMINGUEZ WATER COMPANY	.01*	0	T	2.95	1.35	.58	1.13	.40*	.01*	0	0	0	6.43**
1114	WHITTIER NARROWS DAM	.20	0	.28	3.69	.58	1.47	1.02	.43	.09	0	0	0	7.76
1115	SAN ANTONIO DAM	.20	0	.78	6.93	2.17	1.36	1.27	2.47	.35	0	0	0	15.53
1116	LONG BEACH - SAN ANSELINE	.01	0	.08	4.02	.84	1.07	1.06	.79	.03	0	0	0	7.90
1117	PINE CANYON G.S.	.10	0	.12	8.25	2.53	.97	2.05	1.09	.13	0	0	0	15.24
1118	LAKEWOOD	T	0	T	4.06	1.05	1.02	1.08	.52	.10	0	0	0	7.83
1119	ATMORE MEADOW	.42*	0	.09	7.32	3.09	1.12	1.82	1.90	.14	0	0	0	15.90**
1120	DAWSON SADDLE	1.12*	0	.54	9.64	3.13	1.14	.59	1.73	.09	.14	0	.03	18.15**
1121	BARLEY FLAT	.42*	0	.80*	11.78	4.88	1.61	2.00	1.80	0	0	0	0	23.29**
1122	COOKS DEBRIS BASIN	1.18*	0	.38*	5.23	3.22	1.50	1.59	2.66	.23	0	0	0	15.99**
1123	CIMA MESA FARVUE RANCH	0	0	.02	4.34	1.34*	.94	.56	.36	0	0	0	T	7.56**
X6	ENCINO	.44	0	.12	8.71	2.67	1.63	1.23	.45	0	0	0	0	15.30
X12	WILSONA - FITCH	0	0	0	1.81	.38	.50	.03	.04	0	0	0	0	2.76
X15	HI VISTA - CARD	T	0	0	1.92	.50	.80	0	0	0	0	0	0	3.22
X17	UPPER MC CLURE CANYON	.62	0	.21	5.94**	2.20	1.75	1.28	2.08**	.09*	0	0	0	14.17**
X18	UPPER STOUGH CANYON	.62*	0	.33	5.68**	2.14	1.60	1.36	1.73**	.09*	0	0	0	13.55**
X19	COOKS CANYON	.83*	0	.43	6.80	1.99	2.16	1.61	3.16	.33	0	0	0	17.31**
X21	PICKENS CANYON	1.00*	0	.76	7.08	2.35	1.66	1.56	3.27	.29	0	0	0	17.97**

LEGEND

* ESTIMATE FROM NEARBY STATION
** PARTLY ESTIMATED

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

TABLE VII

RAIN GAGE STATION LOCATION

SEASON 1955-56

STA. NO.	TYPE GAGE	QUAD INDEX	ELEV. OF GAGE	NORTH LAT. ° ' "	WEST LONG. ° ' "	OBSERVER	LOCATION
2B	S	22-25	1050	34 02 55	118 46 25	H.J. HELLER	ESCONDIDO CANYON, 3 MILES ABOVE PACIFIC COAST HIGHWAY
3B	S	34-09	975	34 06 20	118 47 29	V.M. WARD	SEMINOLE HOT SPRINGS - LA SIERRA CANYON AT CORNELL
5B	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 MILES SOUTH OF TOPANGA POST OFFICE, 401 S. TOPANGA BOULEVARD
9B	SP	48-36	828	34 13 53	118 28 04	EARL CROUCH	8845 SEPULVEDA BOULEVARD, SAN FERNANDO
10	SA	25-51	540	34 05 11	118 26 45	T.J. LA BLANC	701 STONE CANYON ROAD, WEST LOS ANGELES
11C	SP A	37-87	867	34 07 14	118 24 38	H. KING	UPPER FRANKLYN CANYON RESERVOIR, 2300 FRANKLIN CANYON ROAD
12	S	37-97	1100	34 07 45	118 24 20	S.H. 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	MOUTH OF LA TUNA CANYON, ROSCOE
15	SA	37-41	695	34 10 48	118 27 03	W.C. WOODSON	AETNA AND VESPER STREETS, VAN NUYS
17	S	37-06	1425	34 07 51	118 29 26	C.W.AYERS	MULHOLLAND HIGHWAY WEST OF SEPULVEDA CANYON
18C	S	36-63	785	34 10 07	118 32 07	J.S. MAGNUSON	18448 VENTURA 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	WEST OF CANOGA AVENUE, NORTH OF VENTURA BOULEVARD
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	SP	47-57	795	34 13 43	118 32 53	JACK 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	58-28	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.G. 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	1457 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	WILLIAM BRUSSTAR	SUNSET DAM, BURBANK
42	8.81	7-15	75	33 50 28	118 23 22	F.M. ARNOLD	ROOF OF CITY HALL, REDONDO
43B	SP	2-20	450	33 47 47	118 22 12	JACK CAGLEY	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 CARTA
44	S	1-85	125	33 44 30	118 24 38	A. SACCO MAGNO	POINT VICENTE LIGHTHOUSE, PALOS VERDES DRIVE
46D-E	SA	51-10	2315	34 17 31	118 11 15	D.J. ROBERTSON	BIG TUJUNGA DAM, WEST OF SPILLWAY
47A'	S	51-22	3100	34 16 36	118 10 15	BOB AMBROSE	CLEAR CREEK, 1.6 MILES ABOVE BIG TUJUNGA CANYON
47C	SA	51-22	3125	34 16 45	118 10 27	DISTRICT HYDROGRAPHER	CLEAR CREEK NEAR ANGELES FOREST HIGHWAY
48B	S	51-15	1800	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	352 FOOTHILL BOULEVARD, LA CANADA
51	S	65-69	4010	34 18 06	117 50 20	R. MENDELL	FALLING SPRINGS RESORT, NORTH FORK, SAN GABRIEL CANYON
52B	S	51-44	3000	34 15 32	118 09 14	EDGAR SWANSON	SWITZERS CAMP, ARROYO SECO, SAN GABRIEL MOUNTAINS
52C	SA	51-53	3290	34 15 58	118 08 37	DISTRICT HYDROGRAPHER	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	G. ROBINSON	STURTEVANT CAMP, BIG SANTA ANITA CANYON
60A	SA	52-69	2650	34 12 32	118 02 02	G. ROBINSON	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	665	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 AT CARETAKER'S HOUSE
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	VINCENT GULCH AND BIG ROCK CREEK, ANGELES CREST HIGHWAY
82D	S	67-11	7500	34 22 53	117 41 05	M.G. UTTER	TOP OF TABLE MOUNTAIN, NORTHEAST OF BIG PINES RECREATION PARK
83	SA	67-12	6860	34 22 45	117 41 28	HOWARD ROWE	BIG PINES RECREATION PARK
85F	SA	56-46	4300	34 14 12	117 39 32	H. STONE	U.S.F.S. GUARD STATION, CAMP BALDY
87	S AP	44-33	1500	34 10 03	117 46 02	U.S.F.S. EMPLOYEES	SAN DIMAS CANYON AT WEST FORK, SAN GABRIEL MOUNTAINS
89B-E	SA	44-24	1350	34 09 05	117 46 28	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	NORTH END OF BRYDON ROAD, LA VERNE
91	S	44-87	1403	34 07 22	117 43 11	TOM ALLEN	2931 INDIAN HILL BOULEVARD, CLAREMONT
92	SA	32-90	1185	34 05 48	117 42 33	PAUL ROUTLY	POMONA COLLEGE AT BRACKETT OBSERVATORY
93B	8.81	32-80	1180	34 05 45	117 42 57	C. MORGAN & M. PECK	221 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	F.A. POLLARD	PUDDINGSTONE DAM AT CARETAKER'S HOUSE
98	SP	42-96	602	34 08 02	117 54 14	JOHN HIBSCH	325 EAST FOOTHILL BOULEVARD, AZUSA
99B	S	43-06	615	34 07 57	117 53 32	C.A. MEYERS	18342 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 VALLEY VOULEVARD, WALNUT
104	S	30-09	575	34 00 26	117 59 42	JOHN THOMAS	14570 SEVENTH AVENUE, NORTH WHITTIER HEIGHTS
106C	S	16-62	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	L.A. CO. F. & F.W. EMPLOYEES	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	J.W. CLAY	NORTHWEST CORNER OF SECOND AND MAIN STREETS, ALHAMBRA
111	SP	40-48	690	34 06 58	118 09 05	E.C. FRENKEN	1414 MISSION STREET, SOUTH PASADENA
116C	SA	13-43	155	33 57 54	118 21 15	WILLIAM AVE	11 REGENT STREET, INGLEWOOD
117B'	S	8-70	71	33 53 42	118 13 27	FIRE STATION EMPLOYEES	WILLOWBROOK AND PALM STREETS, 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
121B	SP	112-79	2360	34 42 01	118 07 45	H.D. PROETT	DIVISION ST AND AVENUE I-8, LANCASTER
122C	S	98-19	3125	34 36 36	118 16 52	JOHN RITTER	39952 WEST 87TH STREET, PALMDALE
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	L.A. CO. F. & F.W. EMPLOYEES	QUAIL LAKE, COUNTY PATROL STATION, 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	J.P. SUNDBERG	6223 SANTA MONICA BOULEVARD, HOLLYWOOD
139	SP AP	27-54	385	34 03 08	118 14 46	W.A. WILDE	SECOND STREET AND BROADWAY AT L.A.W.D., LOS ANGELES
140	S	25-55	232	34 02 44	118 26 57	L.A. CITY EMPLOYEES	1620 PURDUE AVENUE, WEST LOS ANGELES
140B	AP	25-45	230	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	87-79	3035	34 30 18	118 01 40	MYRTIE BRESLIN	LITTLE ROCK CREEK, 1.5 MILES BELOW LITTLE ROCK DAM
156	SA	10-81	86	33 53 13	118 00 56	O.W. SCHROER	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	E.L. HAMILTON	WEST FORK SAN DIMAS CANYON, TANBARK FLATS
167	SP	41-64	611	34 09 32	118 02 02	J. THOMAS	67 ORANGE GROVE AVENUE, ARCADIA
169-E	SP	41-63	700	34 09 47	118 02 21	CARL REES	621 EAST SIERRA MADRE AVENUE, SIERRA MADRE
170C	S	29-15	285	34 02 35	118 04 50	K.P. TATUM	3636 WALNUT GROVE AVENUE, SAN GABRIEL
171	S	41-35	635	34 08 47	118 04 03	W.E. COMERFORD	SOUTH OF COLORADO AT MICHILLINDA AVENUE, PASADENA

RAIN GAGE STATION LOCATION

SEASON 1955-56

STA. NO.	TYPE GAGE	QUAD INDEX	ELEV. OF GAGE	NORTH LAT. ° ' "	WEST LONG. ° ' "	OBSERVER	LOCATION
172B	S	42-35	548	34 08 26	117 58 02	W.B. BENGEL	1101 SOUTH OAK STREET, DUARTE
174	SP	43-86	960	34 07 57	117 49 09	L.A. WARREN	FOOTHILL BOULEVARD AND AMELIA AVENUE EAST OF GLENDORA
175B	S	50-87	2020	34 13 40	118 12 42	J. H. HICKS	ALTA CANADA AND DEL ORO DRIVE, 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
178B	SP	43-18	585	34 06 55	117 53 23	DELMAR DOLL	18466 EAST GHENT STREET, AZUSA
179F	SP A	41-42	1165	34 10 18	118 03 33	ELIZABETH MC KINNEY	536 NORTH LIMA STREET, SIERRA MADRE
181B	S	29-94	293	34 03 09	118 00 04	R.S. CLIFFORD	13010 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	1001 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
192B	8.81	15-12	145	34 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	W.L. BRUSSTAR	MOUTH OF BRAND CANYON AT BRAND DEBRIS BASIN, GLENDALE
199B	S	14-81	175	33 59 20	118 13 03	WILL LOUGH	2886 SLAUSON AVENUE, HUNTINGTON PARK
200	S	70-27	1096	34 25 21	118 34 26	E. STILES	SOUTHERN CALIFORNIA EDISON CO. SUBSTATION, 2.5 MILES 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 AZUSA AVENUE, VALENCIA HEIGHTS, WEST COVINA
208	S	10-14	49	33 51 35	118 04 52	ALBERT SHULTZ	18810 ARTESIA BOULEVARD
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 05	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
221D	S	59-98	1375	34 18 47	118 24 08	J.W. DUCKWORTH, JR.	12500 NORTH MACLAY STREET, PACOIMA
222	SP	38-10	732	34 11 55	118 23 18	L.A. CITY W.D. EMPLOYEES	11845 VOSE STREET, NORTH HOLLYWOOD
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	150	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	L. ERICKSON	MONTANA RANCH, 5812 EAST ARBOR ROAD, LAKEWOOD
226	8.81	38-91	635	34 10 55	118 18 24	CHIEF F. OLCHVARY	125 EAST THIRD STREET, BURBANK
227C	S	40-99	472	34 06 18	118 06 32	A.E. BRUINGTON	636 W. 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	R.E. JOHNSON	HENNINGER 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
246B	S	26-18	75	34 01 00	118 23 17	A. EGLE	CORNER JEFFERSON AND DUQUESNE STREETS, CULVER CITY
250D	S	74-04	2550	34 27 02	118 11 52	J.B. WILLIAMS	SOLEDAD AND ARRASTRE CANYON ROADS, ACTON
251	S	50-57	1565	34 13 28	118 14 24	MRS. E. BYRD	2904 FOOTHILL BOULEVARD, LA CRESCENTA
254B	S	30-69	380	34 00 12	117 56 19	JOHN FERRERO	16838 VALLEY BOULEVARD, PUENTE
255A	S	31-55	780	34 02 51	117 50 54	M.P. LOWE	SAN JOSE HILLS NEAR SPADRA, MT. SAN ANTONIO COLLEGE
256B	S	32-44	876	34 03 17	117 45 02	DON COLTON	FIFTH AND THOMAS STREETS, POMONA
257	S	39-17	850	34 07 18	118 17 04	CARL WESCH	2650 NORTH COMMONWEALTH AVENUE, GRIFFITH PARK NURSERY, LOS ANGELES
258a	S	38-97	1100	34 07 24	118 18 11	LOUIS STRAUSS	WEST OF TUNNEL, POINT OF RIDGE, GRIFFITH PARK, LOS ANGELES
258b	S	38-97	1400	34 07 36	118 18 01	LOUIS STRAUSS	SOUTH SLOPE OF MOUNT HOLLYWOOD, GRIFFITH PARK, LOS ANGELES
258c	S	38-96	1600	34 07 48	118 18 07	LOUIS STRAUSS	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 5TH 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	J.M. STEPHENSON	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	ANGEL REYES	DIAMOND BAR RANCH NO. 2, HORSE CAMP, BREA CANYON ROAD
270B	S	15-46	102	33 56 14	118 09 22	CLYDE MORROW	12041 OLD RIVER SCHOOL ROAD, DOWNEY
271	S	8-63	195	33 51 37	118 14 01	T.J. CLEMMER	18800 WILMINGTON BOULEVARD, DOMINGUEZ HILLS, COMPTON
272B	S	38-94	475	34 09 21	118 18 20	MARVIN SMITH	SOUTH OF LOS ANGELES RIVER, WEST OF VICTORY BOULEVARD, LOS ANGELES
273D	S	2-12	1240	33 46 30	118 22 58	W.W. MC CARRELL, JR.	SAN PEDRO HILLS, NORTH OF CREST ROAD
274	SP	85-68	3250	34 30 50	118 14 10	E. L. CLINGAN	MINT CANYON ROAD EAST OF SUMMIT, ACTON
275	3RD	40-87	670	34 07 41	118 06 40	G.L. BROWN	HUNTINGTON ESTATES, SAN MARINO
277	S	108-17	3700	34 43 15	118 35 00	HAZEL SKELTON	SAWMILL MOUNTAIN RANCH, 8.7 MILES NORTHWEST OF LAKE HUGHES
278B	S	26-86	203	34 02 00	118 18 46	JACK LIND	CLARK MEMORIAL LIBRARY, 2205 WEST ADAMS, LOS ANGELES
279C	S	41-11	1375	34 10 50	118 05 00	H.J. WEIDEN	1960 SIERRA MADRE VILLA AVENUE, PASADENA
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	N. WHITE	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	E. LEWIS	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.L. HOWELL	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	E. RADKE	VAN NORMAN LAKE, LOWER DAM, SAN FERNANDO
294	SP	41-53	985	34 10 11	118 02 51	CARL REES	MIRA MONTE PUMP PLANT, 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	88-26	2805	34 32 10	117 58 29	MRS. LENA SCHWAB	8660 AVENUE T8, LITTLE ROCK
303F	SA	40-76	795	34 08 14	118 07 25	N.H. BROOKS	HILL AVENUE AND 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 ROOSEVELT 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
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	PINE CANYON PATROL STATION 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. WINGER	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	1544 NORTH BENSON STREET, UPLAND
343B	SP	15-94	144	33 57 25	118 06 06	F.C. COLLINS	8705 PASSIONS BOULEVARD, RIVERA
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	LECHUZA PATROL STATION, 4 MILES FROM PACIFIC COAST ON DECKER ROAD
355	S	27-01	335	34 05 19	118 17 34	C. THOMSON	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, SPADRA
357	SP AP	59-08	1248	34 18 49	118 29 30	POWER HOUSE OPERATORS	POWER HOUSE NO. 3 VAN NORMAN LAKE, UPPER DAM
362	SP	40-23	1025	34 09 56	118 10 46	C. KUN	1475 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

RAIN GAGE STATION LOCATION

SEASON 1955-56

STA. NO.	TYPE GAGE	QUAD INDEX	ELEV. OF GAGE	NORTH LAT. ° ' "	WEST LONG. ° ' "	OBSERVER	LOCATION
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
373	SA	50-76	2310	34 14 16	118 13 42	L.R. BLEITZ	5613 CANYON SIDE DRIVE, LA CRESCENTA
375B	S	39-16	650	34 08 02	118 17 18	L.M. WENDT	GRIFFITH PARK ZOO, LOS ANGELES
377F	SP	33-04	1040	34 09 00	118 53 59	R. ROPER	LAKE SHERWOOD, AT FIRE STATION, VENTURA 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	R. GRIPENWALDT	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
388C	8.81	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	900 FEET NORTH OF PENNSYLVANIA AND SIERRA MADRE AVENUES, GLENDORA
390B-E	SP	43-21	1210	34 10 53	117 52 43	FRED CHAPMAN	MORRIS DAM, SAN GABRIEL CANYON
391B	8.81	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	S	65-24	6665	34 21 18	117 52 32	H.D. JOHNSON	CEDAR SPRINGS STATE PRISON CAMP, 3 MILES WEST OF MT. ISLIP
404	S	39-54	653	34 09 29	118 14 25	JOHN OPID	811 NORTH GLENDALE AVENUE, GLENDALE
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	L.M. JUNO	ONE MILE SOUTHEAST OF NEWHALL - U.S.F.S. DISTRICT HEADQUARTERS
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
422C	S	60-25	2100	34 20 55	118 22 21	MRS MARTHA J. GIFT	1.6 MILES NORTHEAST OF PACOIMA DAM
423A	S	75-08	3920	34 24 56	118 05 28	E. ILLIAN	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 09	118 32 25	J.B. GRIFFIN	21740 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	E. CLAIR	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 CREEK NEAR MALIBU CREEK
436B	AP	49-03	975	34 15 43	118 23 50	U.S. C. OF E. EMPLOYEES	HANSEN DAM - AT OFFICE
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	R. COOK	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, 0.4 MILES SOUTH OF PALMDALE
442	SP	78-53	3810	34 28 09	117 44 45	E.A. EBERLE	NEAR MESCAL CREEK ON FORT TEJON ROAD, LLANO
443B	S	21-80	1700	34 05 35	118 48 52	A.O. BEACH	SANTA MONICA MOUNTAINS, SOUTH SOUTHWEST OF MULHOLLAND HIGHWAY AND BACKUS RD.
444C	SA	2-52	490	33 46 34	118 20 36	C. WOOD	PALOS VERDES HILLS AT PALOS VERDES DRIVE AND PORTUGESE ROAD
445B	SA	44-56	1510	34 08 02	117 44 38	G. MIDDLETON	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	SA	41-03	880	34 10 06	118 05 33	H.E. WILSON	EATON DAM, ALTADENA
451B	S	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	G. OLIVER	PIUTE BUTTE, 22 MILES EAST OF LANCASTER, 14 MILES NORTH OF LLANO
458	S	22-08	115	34 01 10	118 47 46	L.A. CO. F. & F.W. EMPLOYEES	28722 ROOSEVELT HIGHWAY, ZUMA PATROL STATION
460B	S	76-84	3996	34 27 35	117 55 58	NOAL NEAL	PLEASANT VIEW MESA, SOUTH OF PEARBLOSSOM HIGHWAY AND EAST OF AVENUE 106 E
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
463	S	25-78	92	34 00 49	118 25 32	JIM ALLISON	11637 CHARNOCK ROAD, SOUTHERN CALIFORNIA WATER COMPANY, MAR VISTA
464	S	51-40	3300	34 17 59	118 09 35	J.R. CAMPBELL	HONOR CAMP NO. 5, ANGELES FOREST HIGHWAY, TUJUNGA CANYON
465B	AP	37-33	680	34 10 02	118 28 06	U.S. C. OF E. EMPLOYEES	SUPELVEDA DAM, VAN NUYS
466B	SA	60-54	3225	34 21 07	118 20 38	MRS. MARTHA J. GIFT	PACOIMA CANYON, DUTCH LOUIS CANYON, SAN GABRIEL MOUNTAINS
468	8.81	50-77	1600	34 13 15	118 13 45	E. CLAIRE	PICKENS DEBRIS BASIN, NORTH OF FOOTHILL BLVD. EAST OF BRIGGS TERRACE AVENUE
470	SA	63-01	4600	34 23 19	118 05 26	DISTRICT HYDROGRAPHER	NEAR TIE CANYON DIVIDE, MILL CREEK TUJUNGA, SAN GABRIEL MOUNTAINS
471	AP	60-98	2750	34 18 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, WEST OF ACTON
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	H. METCHER	NEWHALL LAND AND FARMING COMPANY OFFICE, SAUGUS
476C	S	34-06	825	34 07 53	118 47 53	W. SHOBERT	0.6 MILES 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	C.C. BEARDSLEY	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	D.M. WILSON	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
488	S	49-20	1450	34 17 46	118 22 29	L.A. CO. F. & F.W. EMPLOYEES	KAGEL CANYON ROAD AND DEXTER ROAD, 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	WILBUR DENNY	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	W.A. NYE	STATE HIGHWAY MAINTENANCE STATION NEAR CHILAO
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	8.81	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	DISTRICT HYDROGRAPHER	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
530	SP	33-11	650	34 10 55	118 53 15	J.E. TRAYLOR	CONEJO RANCH, 1.5 MILES EAST OF NEWBURY PARK, VENTURA COUNTY
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
557	S	17-57	300	33 55 44	117 56 48	LA HABRA HEIGHTS CITRUS ASSN.	305 SOUTH HIATT STREET, LA HABRA, ORANGE COUNTY
565B	AP	3-91	11	33 47 16	118 12 08	LONG BEACH CITY EMPLOYEES	1607 SAN FRANCISCO STREET, LONG BEACH
566	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 05	118 44 10	MR. MC GILL	NEWHALL RANCH, NEAR SANTA CLARA RIVER, VENTRUA 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	H.J. SIEVERT	CITY HALL, PASADENA
611C	8.81	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	H.J. SIEVERT	CHLORINE PLANT, MOUTH ARROYO SECO CANYON, PASADENA
613B	SP	40-46	780	34 07 48	118 09 12	CAPTS. LA VORE & O'DONNELL	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.	1070	34 17 12	118 43 06	F.A. SNYDER	TAPO CITRUS ASSOCIATION, VENTURA 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

RAIN GAGE STATION LOCATION

SEASON 1955 - 56

STA. NO.	TYPE GAGE	QUAD INDEX	ELEV. OF GAGE	NORTH LAT. ° ' "	WEST LONG. ° ' "	OBSERVER	LOCATION
634B	SP	25-08	138	34 00 43	118 29 27	T.M. DONAHUE	CITY HALL, SANTA MONICA
644	3"P	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	45-26	1830	34 08 23	117 40 35	MR. BAIRD	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
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 MOUNTAIN STREET AND ARROYO BLVD., PASADENA
679	SP	30-27	314	34 01 14	117 58 40	H.I. MORRIS	533 NINTH AVENUE, PUENTE
680	SP	25-52	483	34 04 17	118 26 27	F.A. ARSENAULT	U.C.L.A. CAMPUS, DEPARTMENT OF METEOROLOGY, WESTWOOD
681A	S	41-62	935	34 10 15	118 01 54	R.B. MURRAY	2219 NORTH SANTA ANITA, SIERRA MADRE
683	SP AP	51-58	2110	34 12 53	118 08 48	DISTRICT HYDROGRAPHER	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
691	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	TUJUNGA CANYON AT VOGEL FLAT, SAN GABRIEL MOUNTAINS
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	P.O. TERMINAL ANNEX, MACY AND ALAMEDA STREETS, LOS ANGELES
716	SP	27-64	300	34 03 09	118 14 13	P.T. MC INTYRE	410 DUCOMMUN STREET, LOS ANGELES
718	SP	33-52	870	34 10 43	118 50 59	FIRE STATION EMPLOYEES	VENTURA BOULEVARD AND ERBES 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
722B	S	98-67	2740	34 37 46	118 13 51	A.E. STRATMAN	5632 AVENUE N, 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	DISTRICT HYDROGRAPHER	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. EMPLOYEE	PACOIMA CANYON BETWEEN NOEL AND GOOSEBERRY CANYON
730	SP	51-67	2800	34 13 30	118 07 50	U.S.F.S. EMPLOYEE	NEAR DAWN MINE, MILLARD CANYON, ARROYO SECO
731	SP	40-20	1080	34 11 47	118 10 29	U.S.F.S. EMPLOYEE	OAK GROVE PARK, ABOVE DEVILS GATE DAM, PASADENA
732B	ST	53-77	4160	34 13 30	117 55 15	FLOOD CONTROL EMPLOYEES	BETWEEN ROBERTS CANYON AND SAN GABRIEL - WEST FORK, NEAR PINE MOUNTAIN
734B	AP	13-15	126	33 56 32	118 23 12	U.S.W.B. EMPLOYEE	5900 AVION WAY, LOS ANGELES
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	U.S.F.S. EMPLOYEES	SAN DIMAS CANYON, FERN CANYON
741	AP	44-50	2765	34 11 41	117 44 26	U.S.F.S. EMPLOYEES	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	O.J. BACKUS	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
752	SP	41-95	503	34 08 49	118 00 17	J.E. GEARY	428 WEST LEMON AVENUE, MONROVIA
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	SEPULVEDA 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
775	AP	27-55	249	34 02 23	118 14 46	L.A. CITY EMPLOYEES	8TH AND CROCKER STREETS, 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 MOUNTAINS
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	0.6 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, VENTRUA COUNTY
791	SP	V. CO.	150	34 16 09	119 08 08	LEMON ASSOC. EMPLOYEES	CULBERTSON 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	700	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
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	J. L. MASON	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
805	AP	39-39	435	34 06 28	118 15 47	BEN PACHECO	2771 ROWEND AVENUE - NEAR SILVER LAKE HEIGHTS, LOS ANGELES
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	E.J. BUCKLEY	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 SPAOE 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
1007	S	64-25	5900	34 20 40	117 58 41	DONALD GITT	CAMP VALCREST, ANGELES CREST HIGHWAY, NORTHEAST OF CHILAO
1008-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	GEORGE MIDDLETON	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 VEROES HILLS
1012	S	69-96	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	FLOOD CONTROL EMPLOYEES	TUJUNGA CANYON ABOVE GOLD CANYON, SAN GABRIEL MOUNTAINS

RAIN GAGE STATION LOCATION

SEASON 1955 - 56

STA. NO.	TYPE GAGE	QUAD INDEX	ELEV. OF GAGE	NORTH LAT. ° ' "	WEST LONG. ° ' "	OBSERVER	LOCATION
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	PALO COMADO CANYON, 1.7 MILES NORTH OF VENTURA BOULEVARD, AGOURA
1017	SA	75-83	3330	34 27 51	118 01 09	H. WHISLER	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	FLOOD CONTROL 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	FLOOD CONTROL EMPLOYEES	YERBA BUENA TRAIL BETWEEN S. FORK, PACOIMA CANYON AND SLAUGHTER CANYON
1022	S	69-12	1725	34 28 44	118 41 04	GULF OIL CO. EMPLOYEES	HASLEY CANYON, 5 MILES ABOVE JUNCTION WITH CASTAIC CREEK
1023B	S	36-27	1415	34 07 44	118 34 42	W. SPEER	GARRAPATA CANYON 0.45 MILE S. MULHOLLAND HIGHWAY ON SANTA MARIA ROAD
1024B	S	36-07	1050	34 07 20	118 35 29	BOB DE WITT	GARRAPATA CANYON BELOW MINERAL SPRINGS, NORTH OF TOPANGA POST OFFICE
1025	S	22-86	160	34 02 00	118 42 42	PHILLIP DUNNE	24708 PACIFIC COAST HIGHWAY, MALIBU BEACH
1028	S	22-63	1300	34 03 37	118 44 23	EDWARD STEWART	3 MILES FROM PACIFIC OCEAN IN CORRAL CANYON
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	FLOOD CONTROL EMPLOYEES	BETWEEN MOUNT ISLIP AND LITTLE JIMMY SPRINGS, SAN GABRIEL MOUNTAINS
1031B	ST	64-66	7925	34 20 23	117 56 21	FLOOD CONTROL EMPLOYEES	0.25 MILE EAST OF WATERMAN MOUNTAIN, SAN GABRIEL MOUNTAINS
1034	SA	71-27	1350	34 25 14	118 28 18	EARL SCHMIDT	1.0 MILE EAST NORTHEAST OF SOLEDAD CANYON ROAD AND SIERRA HIGHWAY
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	5.4 MILES ABOVE FOOTHILL BOULEVARD IN LITTLE TUJUNGA CANYON
1037-E	SA	41-45	565	34 08 48	118 02 59	J.T. MC GAH	291 NORTH OLD RANCH ROAD, ARCADIA
1038	ST	63-62	6925	34 22 44	118 01 53	FLOOD CONTROL EMPLOYEES	SOUTHEAST OF PACIFICO MOUNTAIN, SAN GABRIEL MOUNTAINS
1039	S	26-82	270	34 04 41	118 18 44	DR. DON MAC QUEEN	4827 OAKWOOD AVENUE, LOS ANGELES
1040	S	57-60	1150	34 23 50	118 38 18	SUNRAY OIL PUMPERS	4 MILES SOUTHWEST OF SANTA CLARA RIVER AND HIGHWAY 99
1041B	AP	42-28	427	34 07 04	117 58 24	A. JASPERSON	SANTA FE DAM EAST OF SPILLWAY, SOUTH OF MONROVIA
1042	SP	2-73	825	33 45 37	118 19 47	W.N. STOCKTON	EASTFIELD GATE - ROLLING HILLS
1043	SP	2-66	950	33 44 12	118 19 57	A.J. GRATTON	EASTCREST GATE - ROLLING HILLS
1044	SP	2-46	150	33 44 20	118 21 30	S.A. AILES	NO. 2 YACHT HARBOR DRIVE - PALOS VERDES DRIVE SOUTH
1045	SP	1-95	250	33 44 52	118 24 29	C. WOOD	CREST ROAD - PALOS VERDES DRIVE WEST
1046	S	41-70	2175	34 11 48	118 01 20	R.C. SHANGRAW	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 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	TOM REED	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	H.A. MC CARGER	5701 EAST AVENUE E, LANCASTER
1057B	S	29-56	230	34 02 02	118 02 40	O. STULTZ	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 58 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	W.V. HITE	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	S	55-35	2000	34 14 36	117 45 40	A.J. WINDEN	SAN GABRIEL CANYON - EAST FORK 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	H. WHISLER	HEAD OF SANTIAGO CANYON, 2 MILES EAST OF ANGELES CREST 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	O.A. GIERLICH	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	H.E. LITTEN	LITTLE TUJUNGA CANYON, 2 MILES ABOVE FOOTHILL BOULEVARD
1073	SP	67-35	2810	34 32 32	118 03 46	MRS. HAZEL THOMAS	3640 EAST AVENUE T6, PALMDALE
1074	SA	62-42	5600	34 22 46	118 09 03	STG. T. WILLIAMS	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	BOB SNELL	ANGELES FOREST HIGHWAY ABOVE MILL CREEK BRIDGE
1077	S	42-03	1010	34 10 04	117 59 35	C. HAGERMAN	CANYON BOULEVARD AND OAKGLADE STREET, MONROVIA
1078	SA	31-53	975	34 04 10	117 50 47	E.B. GRIFFITH	20931 EAST VIA VERDE, WEST COVINA
1079	8.81	40-70	1649	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	1000	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. CITY D.W.P. 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
1089B	S	24-15	50	34 02 26	118 34 55	R.G. KABAT	3960 SOUTH OLD TOPANGA ROAD, TOPANGA BEACH
1090	SP	10-28	23	33 48 38	118 04 38	A.J. LABOURDETTE	3242 CERRITOS, ORANGE COUNTY
1091	3"P	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	3"P	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 YIDA 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 BERNARDINO COUNTY LINE
1099	S	29-49	280	34 00 20	118 03 30	IRA D. CATE	10234 STRONG AVENUE, EAST OF PUENTE STREET, NORTHWEST OF WHITTIER
1100	S	37-59	806	34 06 30	118 26 40	R.C. HAGSTROM	1902 BEVERLY GLEN BOULEVARD IN BROWN CANYON, WEST LOS ANGELES
1101	S	111-18	2430	34 43 08	118 17 22	JOSEPH COLLETTI	9023 WEST AVENUE H, DEL SUR
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 JAMISON, RESEDA
1104	S	71-40	1625	34 29 37	118 27 25	FIRE STATION EMPLOYEES	31251 BOUQUET CANYON, SAUGUS
1105	S	109-46	2865	34 44 15	118 27 20	L.M. BARNES	18350 AVENUE F8, WEST FAIRMONT
1106	SP AP	110-99	2450	34 42 12	118 18 32	R.C. FORSYTH	10146 AVENUE I WEST, DEL SUR
1107	SA	49-86	1550	34 14 08	118 18 45	R.C. LANGE	8365 LA TUNA CANYON ROAD, VERDUGO MOUNTAINS
1108	SA	86-12	2950	34 34 42	118 10 58	MRS. GEORGE HODGES	2712 AVENUE R WEST, 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	975	34 09 13	118 12 01	L.A.C.F.C.D. EMPLOYEES	SCHOLL DEBRIS BASIN, GLENDALE
1111	S	77-46	4825	34 24 45	117 51 32	D.M. MAC GREGOR	WEST OF PUNCH BOWL CANYON, NORTH 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	8.81 P	29-17	255	34 01 15	118 05 00	R. FLETCHER	WHITTIER NARROWS DAM, NEAR LINCOLN BOULEVARD
1115	8.81 P AP	45-24	2120	34 09 24	117 40 20	L.T. FILES	BELOW SAN ANTONIO DAM AT CARETAKER'S HOUSE
1116	SP	9-77	40	33 49 35	118 07 12	BAIRD MILNOR	2124 SAN ANSELINE AVENUE, LONG BEACH
X- 6	SA	36-86	1240	34 08 15	118 30 57	H. MC CAULEY	0.4 MILE SOUTH OF ENCINO RESERVOIR, ENCINO
X- 9B	S	98-61	2362	34 41 11	118 13 53	J. KALPAKOFF	1320' EAST OF 60TH STREET WEST AND SOUTH OF AVENUE J, LANCASTER
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-16	S	49-88	1750	34 12 45	118 18 38	L.A.C.F.C.D. EMPLOYEES	BIRMINGHAM CANYON - VERDUGO MOUNTAINS
X-17	S	49-88	2100	34 13 08	118 18 46	L.A.C.F.C.D. EMPLOYEES	UPPER MC CLURE CANYON - VERDUGO MOUNTAINS
X-18	S	50-08	2500	34 13 07	118 17 45	L.A.C.F.C.D. EMPLOYEES	UPPER STOUGH CANYON - VERDUGO MOUNTAINS

TABLE VIII

RAIN GAGE STATION LOCATION

SEASON 1956-57

STA. NO.	TYPE GAGE	QUAD INDEX	ELEV. OF GAGE	NORTH LAT. ° ' "	WEST LONG. ° ' "	OBSERVER	LOCATION
2B	SA	22-25	1050	34 02 55	118 46 25	DAVID J. HELLER	ESCONDIDO CANYON, 3 MILES ABOVE PACIFIC COAST HIGHWAY
25B	S	47-57	795	34 13 43	118 32 53	JACK ANDREWS	19055 WEST PARTHENIA STREET, NORTHRIDGE
43B	SP	2-20	450	33 47 47	118 22 12	N.P. DEL SELVA	PALOS VERDES ESTATES AT GOLF COURSE
52B	S	51-44	3000	34 15 32	118 09 14	NORMA FITZGERALD	SWITZER'S CAMP ARROYO SECO, SAN GABRIEL MOUNTAINS
107C	8.81	15-66	130	33 56 18	118 08 03	DOWNEY CITY FIRE DEPT.	11435 SOUTH DOWNEY AVENUE, DOWNEY
111	SP	40-48	690	34 06 58	118 09 05	PAUL NORTON	1414 MISSION STREET, SOUTH PASADENA
116C	SA	13-43	155	33 57 54	118 21 15	R.L. JACKSON	11 REGENT STREET, INGLEWOOD
192C	8.81	15-12	145	34 58 45	118 11 16	J.H. CARROLL	6320 PINE AVENUE, BELL
208B	S	10-14	52	33 51 48	118 04 58	FIRE STATION EMPLOYEES	18641 CORBY AVENUE, ARTESIA
222C	SP	38-10	717	34 11 39	118 23 17	L.A. CITY W.D. EMPLOYEES	11803 VAN OWEN STREET, LOS ANGELES
250D	SA	74-04	2550	34 27 02	118 11 52	J.B. WILLIAMS	SOLEDAD AND ARRASTRE CANYON ROADS, ACTON
255C	S	31-55	755	34 02 48	117 50 43	CLARK THOMAS	SAN JOSE HILLS NEAR SPADRA, MT. SAN ANTONIO COLLEGE
266B	SP	17-05	253	33 56 26	117 59 30	L.H. MONTES	10522 SANTA GERTRUDES AVENUE, EAST WHITTIER
272D	S	38-94	470	34 09 21	118 18 20	HARRY DERING	5230 FOREST LAWN DRIVE, LOS ANGELES
283B	SA	65-67	5770	34 19 38	117 50 12	J. DU BOIS	CRYSTAL LAKE, EAST PINE FLAT AT U.S.F.S. STATION
362B	SP	40-13	1120	34 09 48	118 10 53	C. KUN	1475 EL MIRADOR DRIVE, PASADENA
365C	SP	50-63	5025	34 16 05	118 14 11	U.S.F.S. EMPLOYEES	SOUTH SLOPE OF MT. LUKENS, SAN GABRIEL MOUNTAINS
443B	SA	21-80	1700	34 05 35	118 48 52	A.O. BEACH	SANTA MONICA MOUNTAINS SOUTHWEST OF MULHOLLAND HIGHWAY AND BACKUS ROAD
451B	SA	69-83	1066	34 27 52	118 36 57	L.A. CO. F. & F.W. EMPLOYEES	30055 HIGHWAY 99, CASTAIC
476D	S	34-06	825	34 07 50	118 47 52	A.M. MONTGOMERY	0.55 MILE ABOVE LOBO CANYON IN TRIUMFO CANYON, CORNELL
482	S	27-17	208	34 01 15	118 17 17	S. BUTLER	920 WEST 36TH PLACE, CIVIL ENGINEERING BUILDING, U.S.C., LOS ANGELES
564B	S	77-52	3382	34 29 12	117 50 07	C.V. PAUL	0.9 MILE SOUTH OF AVENUE W. AND WEST OF 165TH STREET EAST
681A'	S	41-62	935	34 10 15	118 01 54	U.S.F.S. EMPLOYEES	2219 NORTH SANTA ANITA AVENUE, SIERRA MADRE
691B	8.81	45-14	2090	34 09 20	117 40 55	G.A. RITTER	SAN ANTONIO SPREADING GROUNDS, MOUTH OF SAN ANTONIO CANYON
716	SP	27-64	300	34 03 09	118 14 13	F.W. PETERS	410 DUCOMMUN STREET, LOS ANGELES
735B	S	35-40	925	34 11 37	118 39 27	LESTER RUSHWORTH	WEST END OF VAN OWEN STREET, CANOGA PARK
746	SP	K.CO.	2620	35 03 00	118 10 00	GEORGE L. TURCOTT	7 MILES SOUTH OF MOJAVE, BACKUS RANCH, KERN COUNTY
791	SP	V.CO.	150	34 16 09	119 08 08	LEMON ASSOC. EMPLOYEES	BUENA VENTURA LEMON ASSOCIATION, SATICOY, VENTURA COUNTY
1039B	S	26-72	225	34 04 13	118 19 23	DR. DON MAC QUEEN	245 SOUTH LARCHMONT BOULEVARD, LOS ANGELES
1073	SP	87-35	2810	34 32 32	117 03 46	O.D. THOMAS	3640 EAST AVENUE T6, PALMDALE
1107B	SA	49-76	1225	34 14 20	118 20 27	LOIS J. BREWER	8825 LA TUNA CANYON ROAD, SUN VALLEY
1114	AP	29-17	255	34 01 15	118 05 00	R. FLETCHER	WHITTIER NARROWS DAM, NEAR LINCOLN BOULEVARD
1117	S	95-80	3825	34 41 55	118 30 35	J. NALBACH	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
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	5500	34 16 43	118 04 38	CAPT. V.J. GOEBEL	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	JOHN T. OPID	ONE MILE WEST AND 1/4 MILE SOUTH OF CIMA MESA ROAD
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

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 "SIX-MINUTE" OR 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 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 1956-57 WERE IDENTICAL WITH SEASON 1955-56 EXCEPT AS SHOWN FOR 1956-57.

TABLE IX

85-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	64	78	79	71
1982-83	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	76	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	106	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	69	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	97	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
1951-52	164	189	158	153	188	176	184	172
53	68	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	67	78	71	69	73	79	72	73
85 YEAR NORMAL RAINFALL	14.15	16.77	18.83	25.89	19.27	15.32	7.09	15.75
1955-56 RAINFALL	14.73	17.39	16.63	19.27	19.58	12.88	4.59	13.35
1956-57 RAINFALL	9.59	13.30	13.58	18.73	14.41	12.24	5.49	11.74
AREA IN SQUARE MILES	597	272	303	748	224	855	953	3952

NOTE: * INDICATES WEIGHTED AVERAGE INDEX OF AREAS

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

LOCATION OF
ACTIVE RAINGAGES
AND
ISOHYETAL MAP

SEASON 1955-56

APPROVED BY H. W. Nedger 4/4/57
CHIEF ENGINEER

SUBMITTED BY Fred C. Lowry, CHIEF, HYDRAULIC DIVISION
RECOMMENDED BY Paul Kaufman, ASST. CHIEF ENGINEER
DATE 5-21-57
2-H 134

COMPILED BY P.H. CHECKED BY E.G. DRAWN BY M.F.

MAP 1

LEGEND

- ● FLOOD CONTROL STANDARD GAGES
- ○ FLOOD CONTROL 8.8" 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.)

1918 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

SCALE 1 IN = 0 1 2 3 4 5 6 MILES

N

LEGEND

- ● FLOOD CONTROL STANDARD GAGES
- ○ FLOOD CONTROL 8.8" 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.)

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

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

LOCATION OF
ACTIVE RAINGAGES
AND
ISOHYETAL MAP

SEASON 1956–57

APPROVED BY H.E. Hedger 5/31/58
CHIEF ENGINEER

SUBMITTED BY John D. Lovett
CHIEF, HYDRAULIC DIVISION
COMPILED BY: P.A.K.

RECOMMENDED BY Paul Bonner
ASST. CHIEF ENGINEER
CHECKED BY: E.R.G.

DATE 4-30-58

2-H135

DRAWN BY: M.K.I.

MAP II

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

ISOHYETAL MAP SHOWING 85 YEAR NORMAL (1872 - 1957) SEASONAL PRECIPITATION FOR LOS ANGELES COUNTY

APPROVED BY: CHIEF ENGINEER			
SUBMITTED BY: CHIEF HYDRAULIC DIVISION	RECOMMENDED BY: ASST. CHIEF ENGINEER	DATE: 4-30-58	2-H136
COMPILED BY: F.N.	CHECKED BY: M.F.B.	DRAWN BY: M.K.L.	

MAP III

EVAPORATION RECORDS

EVAPORATION

FOREWORD

This report contains monthly and seasonal data for active evaporation stations reporting to the District during 1955-56 and 1956-57 seasons. Daily records and prior records of active and inactive stations are available in the District's files. 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 Hydraulic Data.

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 1955-56 and 1956-57:

	1955-56		1956-57	
Maximum seasonal amount - Fairmont	100.81		101.97	
Maximum monthly amount - Fairmont	15.87	July	17.42	July
Minimum seasonal amount - La Fresa	38.47			
Minimum seasonal amount - Big Dalton Dam			41.15	
Minimum monthly amount - Opids	0.10 1/		0.08 2/	

The minimum evaporation at any location in the County is influenced by variables such as rainfall and freezing conditions.

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

Table X, page 43, presents monthly and seasonal evaporation data for all active stations during the seasons 1955-56 and 1956-57.

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

LOCATION AND NUMBER OF STATIONS

The District received daily evaporation records from 23 evaporation stations utilizing 30 evaporation pans for the seasons 1955-56 and 1956-57. Eighteen of the pans were on or near reservoirs. San Gabriel, Cogswell and Encino Reservoirs are equipped with both lake and land pans.

LENGTH OF RECORD

A land pan was installed for the first time by the District at Santa Anita Dam in March, 1929. Various types of pans have been installed since that time, some have been discontinued and 30 are now in operation. The District has received daily evaporation records from 18 stations with records from 20 to 28 years in length and 6 stations with records 11 to 19 years in length.

1/ Water surface of pan frozen for 25 days in February
2/ Water surface of pan frozen for 14 days in January

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 1/4 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 1/4 inch mesh hardware cloth which rests 1 1/2 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, see 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 Reservoirs are 36 inches square and 18 inches deep with a 6-inch wave baffle. The lake pan in use on Encino Reservoir is 30 inches square and 18 inches deep with a 6-inch wave baffle. The pans are installed on rafts and are submerged to make the reservoir and water surface in the pan nearly level. The water temperatures of the reservoir and in the pans are about the same.

There are three evaporation pans in use at Baldwin Park Experimental Station: a District land pan screened (as described above), a 24-inch diameter pan, not screened, and a 72-inch diameter pan. The latter two are pans owned by the United States Weather Bureau.

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 Lan 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

TABLE X

EVAPORATION RECORDS IN INCHES

SEASONS 1955-56 1956-57

1955 - 56

STA. NO.	STATION	TYPE GAGE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	SEAS. TOTAL
23	CHATSWORTH RESERVOIR	L-24S	3.92	3.31	1.35	1.29	2.34	4.75	2.67	4.04	5.69	6.44	6.15	6.21	48.16
33A'	PACOIMA DAM	L-24S	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
46D	BIG TUJUNGA DAM	L-24S	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
57B	OPID'S (CAMP HI HILL)	L-24S	4.60	1.39#	0.12#	0.22#	0.10#	2.67#	1.02#	4.20	7.58	8.13	7.60	6.15	43.78#
63B	BIG SANTA ANITA DAM	L-24S	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
89	SAN DIMAS DAM	L-24S	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**
96B	PUDDINGSTONE DAM	L-24S	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
223B	BIG DALTON DAM	L-24S	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
261B	ACTON - ESCONDIDO CANYON	L-24S	7.98	5.58	2.71	2.88	3.74	6.60	4.86	5.49	9.50	11.34	10.94	10.47	81.59
292B	ENCINO RESERVOIR	L-24S	4.92	3.74	1.56	1.51	2.39	5.05	3.60	5.12	6.90	8.46	8.25	8.62	60.12
292B	ENCINO RESERVOIR	L-A4B	6.36	4.72	2.09	2.27	3.14	6.28	5.09	6.29	8.50	9.66	10.41**	8.79	73.60**
292B	ENCINO RESERVOIR	F-30	4.68	4.04	2.30	2.06	2.78	4.80	4.70	5.99	7.73	8.91	8.52	8.34	64.85
293	VAN NORMAN LAKE - LOWER DAM	L-A4B	6.32	6.50	2.90	3.00	3.78	7.62	4.22	5.86	7.33	8.73	8.07	8.96	73.29
321	PINE CANYON PATROL STATION	L-24S	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
334B	COGSWELL DAM	L-24S	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
334B	COGSWELL DAM	F-30	6.44	2.92	1.30	1.47	2.49	4.38	3.72	5.74	7.59	9.30	9.71	8.77	63.83
347	BALDWIN PARK EXPERIMENTAL STATION	L-72	2.99	1.88	.83	.72	1.75	3.24	2.96	3.39	6.36	7.52	7.54	5.69	44.87
347	BALDWIN PARK EXPERIMENTAL STATION	L-24S	3.42	2.16	1.08	.99	1.86	3.55	3.15	3.57	5.93	6.78	5.15	6.09	43.73
347	BALDWIN PARK EXPERIMENTAL STATION	L-24	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
390B	MORRIS DAM	L-72	4.84	3.40	1.64	1.80	2.39	4.31	3.53	4.94	7.43	8.22	6.52	6.64	55.66
407	NEWHALL R.S. U.S.F.S.	L-24S	5.28	3.46	2.20*	1.15	2.12	4.46	2.53	4.01	7.40	9.24	8.35	8.48	58.68**
425B	SAN GABRIEL DAM	L-24S	5.67	3.47	1.92	2.04	2.30	5.00	3.67	4.74	7.16	8.10	8.78	9.40	62.25
425B	SAN GABRIEL DAM	F-36	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
425B	SAN GABRIEL DAM	L-24	7.72	5.19	2.53	2.82	3.12	6.53	4.41	6.08	9.28	10.03	10.86	11.62	80.19
441B	PALMDALE - COUNTY ROAD MAINTENANCE YARD	L-24S	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
542	FAIRMONT	L-36	8.29	4.08	1.97	2.73	3.16	6.70	5.95	9.73	14.63	15.87	14.65	13.05	100.81
1008	LA FRESA - S.C.E. CO.	L-24S	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
1014D	RIO HONDO SPREADING GROUNDS	L-24S	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
1037	ARCADIA - ARBORETUM	L-24S	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
1071B	DESCANSO GARDENS	L-24S	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

23	CHATSWORTH RESERVOIR	L-24S	3.72	7.50	5.53	2.14	2.83	3.23	3.29	3.08	6.02	7.50	6.96	5.55	57.85
33A	PACOIMA DAM	L-24S	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
46D	BIG TUJUNGA DAM	L-24S	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
57B	OPID'S (CAMP HI HILL)	L-24S	2.32	2.12	2.42	.08#	.73**	1.58**	2.80	3.10**	6.40**	8.30	6.75	4.68	41.28#**
63B	BIG SANTA ANITA DAM	L-24S	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
89	SAN DIMAS DAM	L-24S	3.09	3.34	2.88	1.39	1.22	2.16	2.96	3.11	5.12	7.40	7.64	5.42	45.23
96B	PUDDINGSTONE DAM	L-24S	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
223B	BIG DALTON DAM	L-24S	3.07	2.91	2.08	0.96	1.08	1.88	2.72	2.84	4.41	6.80	7.14	5.26	41.15
261B	ACTON - ESCONDIDO CANYON	L-24S	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
292B	ENCINO RESERVOIR	L-24S	4.56	5.12	4.06	1.66	2.88	4.02	4.35	5.42	7.53	9.81	8.95	6.98	64.84
292B	ENCINO RESERVOIR	L-A4B	5.19	6.85	5.96	2.23	2.52	4.70	4.83	5.82	8.31	10.26	10.15	8.48	75.80
292B	ENCINO RESERVOIR	F-30	5.52	5.58	4.99	DISC.									INC.
293	VAN NORMAN LAKE - LOWER DAM	L-24S	5.68	11.54	9.31	3.31	2.61	5.84	4.64	5.11	8.22	9.92	9.38	7.30	82.86
321	PINE CANYON PATROL STATION	L-24S	5.20	6.18	4.65	1.93	2.55	4.87	5.60	5.99	10.83	12.55	11.08	8.80	80.13
334B	COGSWELL DAM	L-24S	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
334B	COGSWELL DAM	F-36	5.47	N.R.	N.R.	N.R.	1.46*	3.74	5.19	5.02	7.92	11.47	10.76	8.50	INC.
347	BALDWIN PARK EXPERIMENTAL STATION	L-72	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
347	BALDWIN PARK EXPERIMENTAL STATION	L-24S	3.16	4.83	1.62	1.13	1.36	2.17	3.13	3.68	4.85	7.76	7.58	5.65	45.92
347	BALDWIN PARK EXPERIMENTAL STATION	L-24	3.22	2.20	1.70	1.06	1.66	1.73	3.32	4.22	5.32	8.97	8.54	6.22	48.16
390B	MORRIS DAM	L-72	3.66	5.17	3.95	2.32	1.66	3.08	4.03	4.45	6.88	9.29	9.00	6.85	60.34
407	NEWHALL R.S. U.S.F.S.	L-24S	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
425B	SAN GABRIEL DAM	L-24S	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
425B	SAN GABRIEL DAM	F-36	N.R.	INC.	4.50	2.06	2.17	3.60	4.88	5.49	7.38	10.64	10.98	8.30	INC.
425B	SAN GABRIEL DAM	L-24	6.46	7.85	6.27	2.34	2.53	3.58	5.35	5.44	8.72	11.96	12.11	9.82	81.93
441B	PALMDALE - COUNTY ROAD MAINTENANCE YARD	L-24S	6.30	9.55	2.50	1.56	1.09	2.62	5.94	9.29	12.92	17.40	14.68	11.70	89.55
542	FAIRMONT	L-36	7.14	4.60	3.48	3.22	2.39	5.65	7.24	8.55	14.98	17.42	16.51	11.39	101.97
1008	LA FRESA - S.C.E. CO.	L-24S	3.18	3.16	1.96	1.40	1.16	2.52	3.84	4.63	4.86	5.72	5.59	4.30	41.82
1014D	RIO HONDO SPREADING GROUNDS	L-24S	3.34	4.18	2.96	1.31	1.46	2.50	3.29	3.30	4.45	6.48	6.10	4.85	43.71
1037	ARCADIA - ARBORETUM	L-24S	4.18	4.38	3.22	1.65	1.48	2.78	3.72	4.92	5.98	8.11	7.66	5.66	53.14
1071B	DESCANSO GARDENS	L-24S	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

LEGEND

L-24 LAND PAN 24" IN DIAMETER
L-24S LAND PAN 24" IN DIAMETER, SCREENED
L-36 LAND PAN 36" SQUARE - USGS TYPE
L-A4B LAND PAN 48" IN DIAMETER.- USWB TYPE A
L-72 LAND PAN 72" IN DIAMETER
F-36 FLOATING PAN 36" SQUARE - USGS TYPE
F-30 FLOATING PAN 30" SQUARE

* ESTIMATED
** PARTLY ESTIMATED
# RECORDS INCOMPLETE - PARTLY FROZEN
INC. INCOMPLETE RECORD
N.R. NO RECORD

RUNOFF RECORDS

RUNOFF

FOREWORD

This is the twenty-first 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 30 years of records on various streams and channels throughout the District.

VALUE OF RECORDS

Runoff records furnish the basic data necessary for:

1. Design of adequate channels and storm drains
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 1955-56 and 1956-57 seasons produced below average runoff throughout the District with the exception of the increasing valley runoff from the subdivided and industrialized areas which are relatively impervious.

Storm peaks were not of great consequence with the exception of those occurring during the storms of January 26, 1956 and February 23, 1957. During the January 26, 1956 storm the discharge of Ballona Creek at Sawtelle Boulevard was 210 cubic feet per second per square mile compared with 171 cfs per square mile in the March 1938 flood and 213 cfs per square mile on February 13, 1954. Dominguez Channel at Carson Boulevard produced the maximum flow of record, 1941-1957, 1720 cubic foot per second. Compton Creek at Greenleaf also produced its maximum flow of record, 1928-1957, with the exception of the March 1938 storm for which the discharge was not determined.

The storm of February 23, 1957 produced rather high, sharp peaks in the Metropolitan area, particularly in the Los Angeles River drainage area.

1/ Records prior to 1927 on some streams are available in either the office of the U.S.G.S. Water Resources Branch, 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.

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.
1955-56	139	97	33	69
1956-57	104	79	26	66

(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

EXTENT AND METHOD OF COLLECTING AND PRESENTING DATA

I. Drainage Areas and Stations

The Flood Control District operated 90 water-stage recording stations on streams during the 1955-56 and 1956-57 seasons, of which 87 were stream-flow stations. These records are published. The remaining 3 are hydraulic study 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	24
San Gabriel River	28
Rio Hondo	22
Ballona Creek	3
Santa Monica Mountains - Coastal	3
Santa Clara River	5
San Antonio Creek	3
Antelope Valley	2
Total	90

The locations of all stations are shown on Map IV, page 53.

II. Types of Controls

The types of channels on which these stations are located are listed below in order of predominance:

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

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:

Type	No. in Use	Time Duration
Au	16	Continuous
H.C.F. 1/	36	Continuous
Stevens (Type A)	28	Continuous
Stevens (Type L)	7	Weekly or Daily
Rational (Horizontal)	2	Weekly
Friez	1	Continuous
Total	90	

The total number of recorders shown include those used at regular stations, timing stations and experimental locations.

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 operation,

(2) Lists of measurements for all actual meter measurements, together with observed water-stage, areas of cross-section and mean velocities. These lists include 2856 measurements taken by the District during 1955-56 and 2878 taken during 1956-57 at 95 recorder stations, including measurements made at other than District stations.

(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. However, the storm producing the peak flow at the maximum number of stations on a major river system was selected for all such stations.

V. Records Provided by Other Agencies:

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

Owned by	Stations
U.S. Geological Survey, Water Resources Branch	13
U.S. Corps of Engineers	7
State of California Department of Water Resources 2/	1
Ventura County	1
San Gabriel River Water Committee	1

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

2/ State of California Department of Water Resources after July 1956. Formerly known as State of California Division of Water Resources.

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, 479 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 1231 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 35 years, is included on page 360.

VII. Miscellaneous Station Measurements

In various drainage areas throughout the County, 1569 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 seven streams. These are tabulated by streams.

IX. Summary of Seasonal Discharge

Table XII, page 372, presents 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 crucial 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	G. H. Middleton
2A	R. A. Waddicor
3	F. E. Stunden and J. Holleron
4	E. S. Bonadiman
5	J. M. DeMars, J. Holleron and M. L. Sjostedt
6	S. E. Blakely
7 & 8	Lee Turner and J. Hyde
9 & 10	Horace R. Whisler

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

D. W. Bowman	J. P. Roy
R. L. Brook	R. L. Saddoris
A. J. Falcone	R. J. Sarasua
E. W. Godfrey	M. L. Sjostedt*
E. T. Hensley	J. L. Thompson
J. Holleron*	R. V. Wood
B. J. McBride	

* Prior to promotion to Hydrographer II.

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

H. S. Blake	1/	F. Litchfield	2/
L. J. Caire	2/	R. W. Pasqua	1/
M. D. Feiker	1/	G. A. Phenix	3/
C. L. Keim	1/	B. M. Rogers	1/
F. Kestel	1/	G. Salgado	3/
F. A. Lanphear	1/	H. F. Schuessler	2/
S. Levy	2/	F. W. Treat	2/

1/ Operation and Maintenance Division Personnel
2/ Survey 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 John H. Lang and F. E. Stunden. Preparation of the report for 1955-56 and 1956-57 was under immediate supervision of R. E. Lindsay assisted by John Lang and S. E. Blakely.

All field work and office work was under the direction of W. J. Wood, Assistant Chief, Hydraulic Division.

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 C - indicates station owned and operated by California State Department of Water Resources.

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 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 or C - indicates that the station has been moved. B represents second location, 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% 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 not used if the estimated portion of the record represents less than 10% 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%.

ANTELOPE VALLEY
MOJAVE DESERT
SAN GABRIEL MOUNTAINS
SANTA MONICA MOUNTAINS
SANTA SUSANA MOUNTAINS
PACIFIC OCEAN
ROSAMOND LAKE
Neenach
Fairmont
Lancaster
Del Sur
Palmdale
Little Rock
Acton
Castaic
Saugus
Newhall
San Fernando
Burbank
Glendale
PASADENA
Monrovia
Arcadia
Glendora
Covina
Baldwin Park
El Monte
Alhambra
San Gabriel
Monterey Park
Montebello
Whittier
Pomona
La Verne
Claremont
HOLLYWOOD
Beverly Hills
Santa Monica
Culver City
LOS ANGELES
Inglewood
Huntington Park
South Gate
Lynwood
Compton
El Segundo
Hawthorne
Manhattan Beach
Redondo Beach
Torrance
LONG BEACH
San Pedro
PALOS VERDES HILLS
DOMINGUEZ HILLS
BALDWIN HILLS
SIGNAL HILL
Quartz Hill
Fairmont Butte
Antelope Buttes
Saddleback Butte
Rocky Buttes
Alpine Butte
Lovejoy Buttes
Black Butte
Three Sisters
Liebre Mountain
Sawmill Mountain
Portal Ridge
Pinyon Ridge
Mt. Baden-Powell
Mt. San Antonio
Mt. Wilson
Mt. Lukens
Mt. Gleason
Mt. Disney
Mt. Harvard
Mt. Hawkins
Mt. Williamson
Mt. Waterman
Mt. Islip
Mt. Lowe
Mt. Markham
Mt. Olympus
Mt. Hollywood
Mt. Boney
Mt. Thom
Mt. Pacifico
Mt. Lee
Mt. Dana
Mt. Gabrielino
Mt. Harvard
Mt. Hawkins
Mt. Williamson
Mt. Waterman
Mt. Islip
Mt. Lowe
Mt. Markham
Mt. Olympus
Mt. Hollywood
Mt. Boney
Mt. Thom
Mt. Pacifico
Mt. Lee
Mt. Dana
Mt. Gabrielino
Big Pines
Big Tujunga Canyon
Big Dalton Canyon
Eaton Canyon
Arroyo Seco
Santa Anita Canyon
Sierra Madre
Monrovia Canyon
Rubio Canyon
Topanga Canyon
Malibu Canyon
Coldwater Canyon
Benedict Canyon
Laurel Canyon
Cahuenga Pass
Franklin Canyon
Beverly Glen
Stone Canyon
Bel Air
Brentwood
Pacific Palisades
Malibu
Point Dume
Point Mugu
Oxnard
Ventura
Simi
Chatsworth
Sepulveda
Hansen Dam
Pacoima Dam
San Fernando Reservoir
Chatsworth Reservoir
Fairmont Reservoir
Hughes Lake
Bouquet Reservoir
Palmdale Reservoir
Littlerock Reservoir
Big Tujunga Dam
Cogswell Dam
Devils Gate Dam
Eaton Canyon Dam
Santa Anita Dam
Sierra Madre Dam
Monrovia Dam
Santa Fe Dam
San Gabriel Dam
Big Dalton Dam
San Dimas Dam
Puddingstone Dam
Thompson Creek Diversion Dam
Live Oak Dam
Foothill Dam
Whittier Narrows Dam
Los Angeles County Flood Control District
Antelope Valley Flood Control District
1
2
2A
3
4
5
5A
5B
6
7
8
9
10
SCALE
0 1 2 3 4 5 6 MILES
SCALE
0 1 MILE
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
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
STREAM
GAGING STATIONS
AND
HYDROGRAPHIC DISTRICTS
APPROVED BY
CHIEF ENGINEER
SUBMITTED BY
Finley B. Laverty
CHIEF - HYDRAULIC DIVISION
RECOMMENDED BY
ASSISTANT CHIEF ENGINEER
DATE
MAP IV

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: INSTALLED SEPTEMBER 2, 1936 OVER A 3.25 FT. X 4.0 FT. CONCRETE STILLING WELL. AN H.C.F. RECORDER WAS IN SERVICE FROM OCTOBER 1, 1953 TO SEPTEMBER 30, 1957.

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, 1957.

EXTREMES OF DISCHARGE:
1955-56
MAXIMUM 4550 SECOND-FEET, JANUARY 26.
MINIMUM 0.3 SECOND-FOOT IN OCTOBER AND JANUARY
1956-57
MAXIMUM 3090 SECOND-FEET, FEBRUARY, 23.
MINIMUM 0.6 SECOND-FOOT AT VARIOUS TIMES
1929-57 (STATIONS F81-R, F81B-R, F81C-R, F81D-R)
MAXIMUM 4890 SECOND-FEET, JANUARY 1, 1934.
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: GOOD. FLOWS OCCASIONALLY ESTIMATED DURING LOW FLOWS.

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 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.	G. HT. CHANGE TOTAL	METER NO.
71	7-26	0940 / 0951	SADDORIS	5.5	0.59	0.73		0.43		.5	12	0	FC52

DISCHARGE MEASUREMENTS OF ALHAMBRA WASH
AT NEAR Klingerman Street DURING THE YEAR ENDING SEPTEMBER 30, 1957

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.
72	7/17	1420 / 1437	WADDICOR	4.8	0.54	0.61	0.18	0.33		.5	11	0	FC52

T&DF4M Gb 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, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.4	0.6	44	0.4	1.4	1.6	8.2	1.6	1.4	1.4	1.4	1.4
2	0.4	0.6	1.6	0.4	1.4	1.6	1.4	2.1	1.4	1.8	1.6	1.4
3	0.6	0.6	1.1	0.4	1.4	1.1	1.4	1.8	1.4	1.8	1.6	1.6
4	0.6	0.6	34	0.3	1.1	0.6	1.4	1.6	1.4	1.8	1.6	1.6
5	0.6	0.6	1.4	0.3	1.1	1.4	1.6	1.8	1.6	2.3	1.6	1.6
6	0.6	0.6	1.8	0.3	1.1	1.6	1.6	1.6	1.6	2.6	1.6	1.6
7	0.9	0.6	1.8	0.3	1.1	1.8	1.4	2.1	1.6	2.6	1.6	1.4
8	0.9	0.4	1.8	0.3	1.1	1.6	1.4	2.6	1.8	2.1	1.6	1.4
9	0.6	0.6	1.6	0.3	1.1	1.4	1.6	81	1.6	2.3	1.6	1.4
10	0.4	0.6	1.1	0.3	1.4	1.8	1.8	2.8	1.4	2.1	1.4	1.1
11	0.4	0.6	0.9	0.3	1.4	1.6	30	1.8	1.6	2.1	1.4	1.4
12	0.4	0.6	0.9	0.3	1.1	1.6	234	1.8	1.6	2.1	1.4	1.4
13	0.6	0.6	0.6	0.3	1.1	1.4	66	1.6	1.6	1.8	1.4	1.4
14	0.6	110	0.6	0.4	1.1	1.6	2.1	1.4	1.6	1.8	1.4	1.6
15	0.6	1.1	0.6	0.4	1.1	1.6	1.8	1.4	1.4	2.1	1.4	1.6
16	0.6	0.9	0.6	0.4	1.1	1.4	1.6	1.4	1.8	2.1	1.4	1.6
17	0.6	7.0	0.6	0.4	1.1	1.4	1.6	1.4	1.6	2.1	1.4	1.4
18	0.6	1.4	0.4	0.4	1.6	1.4	1.8	1.8	1.4	2.1	1.4	1.4
19	0.6	1.1	0.6	0.4	1.4	1.6	1.4	1.6	1.6	2.3	1.4	1.6
20	0.6	0.6	0.6	0.4	2.1	1.4	1.4	1.6	1.6	2.3	2.1	1.6
21	0.6	81	0.4	0.4	1.8	1.4	1.6	1.4	1.8	2.3	1.8	1.6
22	0.6	1.6	0.4	0.3	22	1.4	1.6	1.8	1.6	2.1	1.6	1.6
23	0.4	1.6	6.5	1.4	87	1.4	1.6	1.6	1.4	2.1	2.1	1.6
24	0.4	1.1	7.2	0.4	193	1.1	1.6	1.6	1.1	2.1	1.8	1.6
25	0.4	2.1	13.5	179	4.6	1.8	1.4	1.4	1.1	2.1	2.1	1.6
26	0.4	1.6	0.9	1100	2.6	1.8	85	1.4	1.1	1.8	1.8	1.6
27	0.4	1.4	0.9	69	3.4	1.6	4.0	1.4	1.1	1.6	1.6	1.8
28	0.4	1.6	0.6	1.1	5.2	1.6	1.6	1.4	1.1	1.4	1.6	1.8
29	0.4	1.6	0.4	1.1	4.0	1.6	1.8	1.4	1.4	1.4	1.6	1.8
30	0.3	1.6	0.6	24		1.8	1.6	1.4	1.4	1.1	1.4	1.8
31	0.4		0.4	14		1.8		1.1		1.4	1.4	
	16.3		128.4		175.2		465.3		44.1		49.1	
		224.9		1397.7		46.8		130.7		61.0		46.3
MEAN	0.53	7.49	4.14	45.1	6.07	1.51	15.5	4.22	1.47	1.97	1.58	1.54
ACRE-FEET	32.	446.	255.	2770.	348.	93.	923.	259.	87.	121.	97.	92.

Remarks:

YEAR OR PERIOD MEAN 7.61
ACRE-FEET 5520.

F6D74M Cah 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

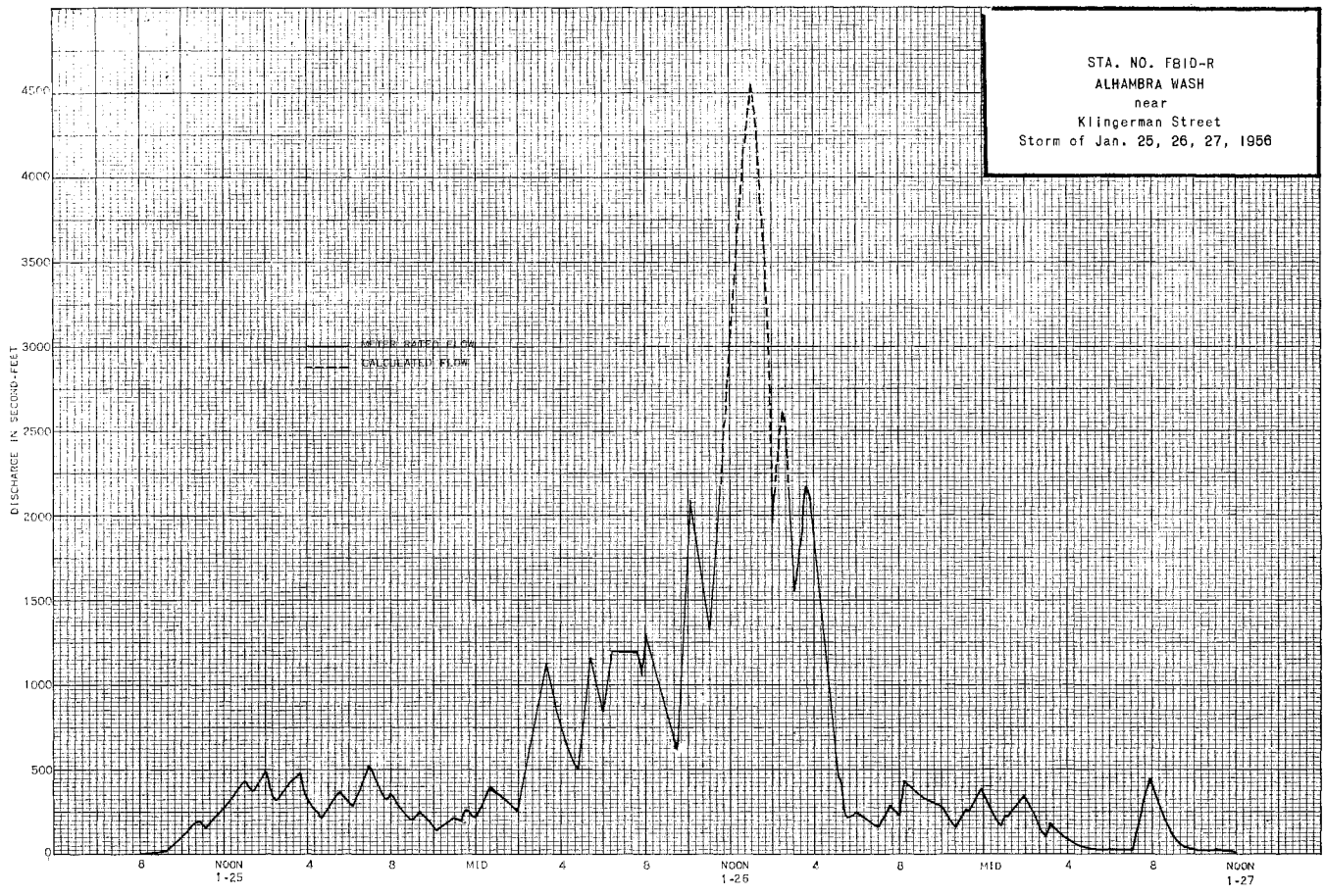
Sta. No. F81D-R

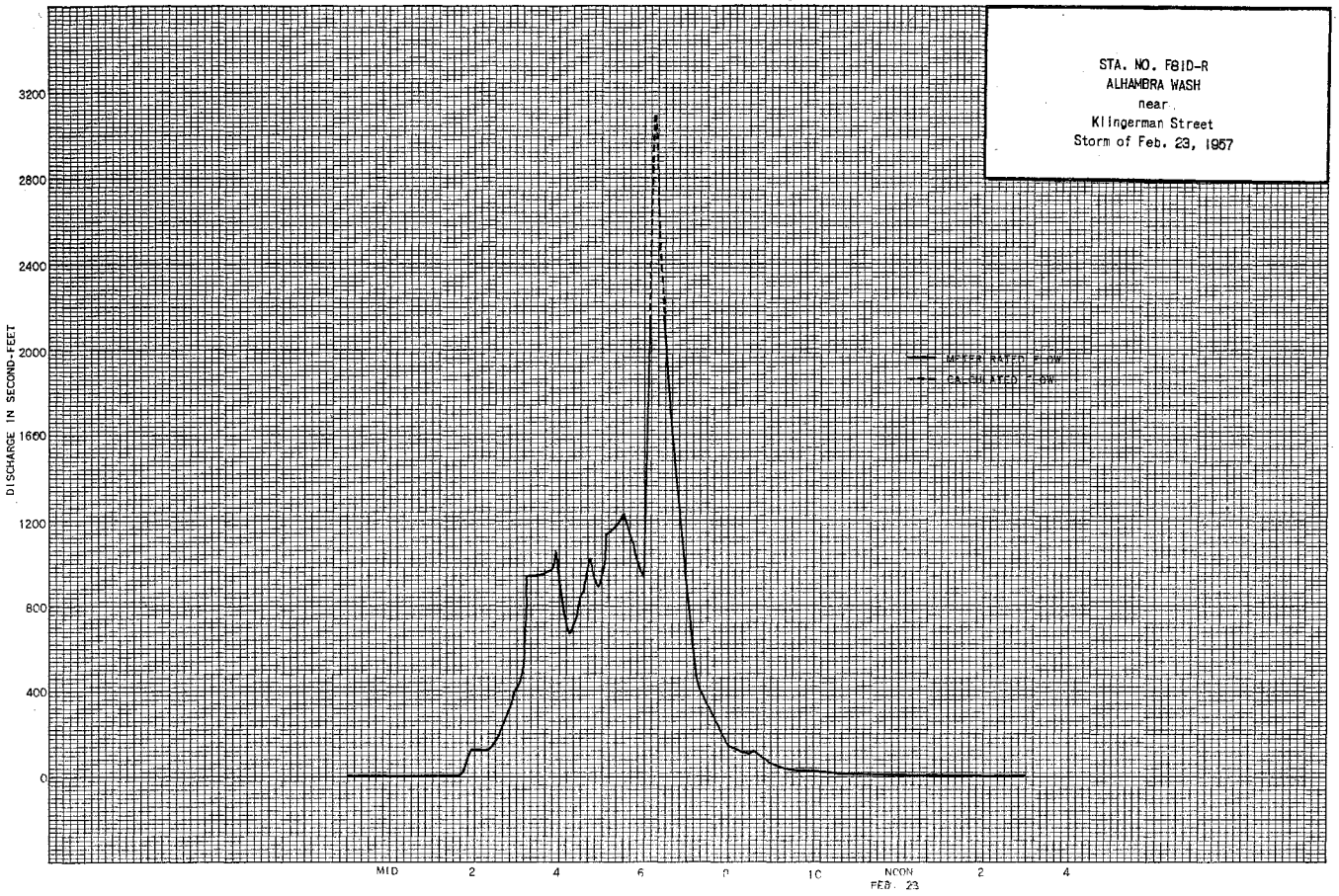
Daily discharge, in second-feet of ALHAMBRA WASH near Klingerman Street for the year ending September 30, 1957

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.1	1.6	2.1	1.8	1.4	44	2.1	1.6	1.8	2.3	3.4	e 0.9
2	2.1	1.6	2.1	1.6	1.4	1.8	1.6	1.6	1.8	2.3	e 2.8	0.8
3	1.8	1.6	2.1	1.8	1.4	1.6	2.1	1.6	1.8	2.3	2.6	0.8
4	53	1.6	2.1	1.8	1.4	1.4	1.8	1.6	1.8	2.3	2.3	0.7
5	2.6	1.6	2.8	80	1.4	1.6	1.8	1.6	1.8	2.3	2.1	0.7
6	2.1	1.6	3.4	1.8	1.4	1.8	1.8	1.6	2.1	2.3	1.8	0.6
7	1.8	1.6	4.7	12.4	1.4	1.8	1.8	1.8	2.1	2.3	1.6	0.6
8	1.8	1.6	1.8	4.6	1.6	1.8	1.8	1.8	2.1	2.3	1.5	0.7
9	2.1	1.6	1.6	1.6	1.6	66	1.8	1.6	2.6	2.6	1.5	0.7
10	1.8	1.8	1.4	61	1.8	2.3	1.6	1.6	11.2	2.6	1.5	0.7
11	1.8	2.1	1.4	1.8	1.6	1.8	1.6	76	b 2.1	2.6	1.5	0.6
12	1.8	2.1	1.6	131	1.6	1.8	1.8	2.8	1.8	2.6	1.5	0.6
13	1.6	2.3	1.6	206	1.6	1.6	1.8	1.8	1.5	2.3	1.5	0.6
14	1.6	2.3	1.8	1.6	1.4	1.4	1.8	122	1.5	2.1	1.5	0.6
15	1.6	2.3	1.6	1.4	1.6	1.4	2.1	3.4	1.5	2.3	1.5	0.6
16	1.8	2.6	1.6	1.4	1.6	38	1.6	1.8	1.5	2.6	1.5	0.6
17	1.8	2.1	1.6	1.1	1.6	1.6	48	1.8	1.5	2.3	1.6	0.6
18	1.8	1.8	1.6	1.1	1.6	1.4	49	4.1	1.5	2.3	1.6	0.6
19	1.8	2.1	1.6	1.1	1.6	1.4	2.1	46	1.5	2.6	1.7	0.6
20	1.8	1.8	1.6	3.4	1.6	1.4	100	2.3	1.5	2.6	1.7	0.6
21	1.8	1.6	1.8	2.1	1.6	1.4	132	7.2	1.5	2.6	1.8	0.6
22	1.8	1.8	1.8	1.4	1.4	1.6	2.8	2.3	1.5	2.6	1.8	0.6
23	1.6	2.1	1.8	8.5	242	1.4	1.8	2.3	1.6	2.8	1.7	0.6
24	1.8	2.1	1.6	14.4	1.4	1.6	1.4	1.8	1.8	2.8	1.6	0.6
25	1.6	1.8	1.4	6.4	1.1	1.8	1.4	1.6	b 2.1	2.8	1.5	0.6
26	1.6	2.1	1.4	44	1.4	1.8	1.4	1.6	2.3	3.4	1.3	0.6
27	1.6	2.1	1.4	22	1.6	1.6	1.4	1.8	2.3	3.4	1.2	0.6
28	1.6	2.3	1.4	5.7	109	1.8	1.4	1.8	2.1	3.4	1.1	0.6
29	1.6	2.1	1.6	33		1.8	1.4	1.8	2.3	3.4	1.0	0.6
30	1.6	2.1	1.6	2.3		1.8	1.6	1.8	2.3	3.4	1.0	e 0.6
31	1.6		1.8	1.4		2.1		1.8		3.4	e 1.0	
	107.0	57.8	82.9	690.1	390.1	244.6	256.0	194.4	64.8	81.9	51.7	19.2
MEAN	3.4	1.93	2.67	22.3	13.9	7.89	8.55	6.27	2.16	2.64	1.67	0.64
ACRE-FEET	212.	115.	164.	1370.	774.	485.	508.	386.	128.	162.	102.	38.

Remarks:

YEAR OR PERIOD MEAN 6.14
ACRE-FEET 4440.





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 8 FEET DOWNSTREAM ACTS AS A CONTROL.

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

RECORDER: INSTALLED DECEMBER 12, 1956 OVER 20-INCH CORRUGATED IRON PIPE STILLING WELL. AN H.C.F. RECORDER WAS IN SERVICE FROM OCTOBER 1, 1955 TO SEPTEMBER 30, 1957.

REGULATION AND/OR DIVERSIONS: NONE

RECORDS AVAILABLE: NOVEMBER 3, 1939 TO JULY 15, 1947 AND AUGUST 31, 1948 TO SEPTEMBER 30, 1957. NO RECORD FROM JULY 15, 1947 TO AUGUST 31, 1948 DUE TO BRIDGE AND CHANNEL CONSTRUCTION.

EXTREMES OF DISCHARGE:
1955-56
MAXIMUM 414 SECOND-FEET JANUARY 26.
MINIMUM NO FLOW MOST OF YEAR.
1956-57
MAXIMUM 136 SECOND-FEET JANUARY 13.
MINIMUM NO FLOW MOST OF YEAR.
1939-57
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 ~~NEAR~~ Nordhoff Street 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.
177	12/4	0835 / 0840	HYDE-TURNER	2.8	0.38	0.60	1.68	0.23		.5	7	0	FC60
178	1/25	1345 / 1355	HYDE	17.0	4.74	5.89	2.83	27.9		.5	7	+ .06	FC35
179	1/25	2300 / 2310	HYDE-BLAKE	8.0	3.87	1.47	2.28	5.7		.6	9	+.04	"
180	1/26	1035 / 1055	" "	40.0	51.5	5.48	3.18	282.		.6	12	-.03	FC35
181	1/26	1148 / 1203	" "	37.0	31.2	5.77	3.07	180.		.6	12	-.03	"
182	4/12	1006 / 1015	" "	9.2	4.22	3.53	2.09	14.9		.5 / .6	10	-.02	"
183	4/12	2110 / 2114	" "	2.5	0.27	0.33	1.38	0.09		.5	5	-.02	"
184	5/9	1252 / 1258	" "	2.7	0.73	2.19	1.29	1.6		.5 / .6	6	-.02	"

DISCHARGE MEASUREMENTS OF ALISO WASH

AT ~~NEAR~~ below Nordhoff Street 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.	G. HT. CHANGE TOTAL	METER NO.
185	1/12	2115 / 2123	HYDE-SALGADO	9.5	4.47	1.68	1.42	7.5		.6	11	+.04	FC35
186	1/12	2140 / 2151	" "	10.5	8.19	1.84	1.60	15.1		.6	10	-.02 +.03	"
187	1/13	0453 / 0505	" "	17.5	8.90	6.60	1.75	58.7		.6	9	-.10	"
188	1/13	0940 / 0942	" "	2.0	0.45	0.84	1.14	0.38		.5	5	0	"
189	1/26	0447 / 0500	HYDE	14.0	4.72	2.88	1.38	13.6		.6	9	-.02	"
190	2/23	0638 / 0648	HYDE-FEIKER	16.0	10.1	4.40	1.71	44.2		.6	9	-.03	"
191	2/28	0716 / 1357	HYDE-BROOK	16.5	9.52	4.55	1.65	43.3		.6	12	-.05 +.09	"
192	3/16	0716 / 0723	HYDE	14.0	2.68	2.50	1.29	6.7		.5	9	-.02	"
193	4/18	0855 / 0900	"	1.5	0.34	1.20	1.12	0.41		.5	4	0	"
194	4/20	1406 / 1410	HYDE-FEIKER	1.2	0.14	1.00	1.12	0.14		.5	5	0	"

76D74M C-b 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F152-R

Daily discharge, in second-feet of ALISO WASH at 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	e 0				
2	0	0	0	0	0	0	0	e 0				
3	0	0	0	0	0	0	0	0				
4	0	0	0.1	0	0	0	0	0				
5	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				
8	0	0	0	0	0	0	0	0				
9	0	0	0	0	0	0	0	9.8				
10	0	0	0	0	0	0	0	0				
11	0	0	0	0	0	0	0	0				
12	0	0	0	0	0	0	8.3	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	0				
16	0	0	0	0	0	0	0	0				
17	0	0	0	0	0	0	0	0				
18	0	0	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	0	0					
22	0	0	0	0	0	0	0					
23	0	0	0	0	+	0	0					
24	0	0	0	0	+	0	0					
25	0	0	0	1.2	0	0	0					
26	0	0	0	1.81	0	0	e +					
27	0	0	0	1.9	0	0	+					
28	0	0	0	0.3	0	0	0					
29	0	0	0	0	0	0	0					
30	0	0	0	0.2		0	e 0					
31	0		0	0.3		0						
	0		0.1	195.7			8.3	9.8	0	0	0	0
MEAN	0	+	+	6.31	+	+	0.28	0.32	0	0	0	0
ACRE-FEET	0	+	0.2	388.	+	+	8.3	9.8	0	0	0	0

STOPPED FOR SUMMER

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.58
ACRE-FEET 423.

76D74M C-b 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F152E-R

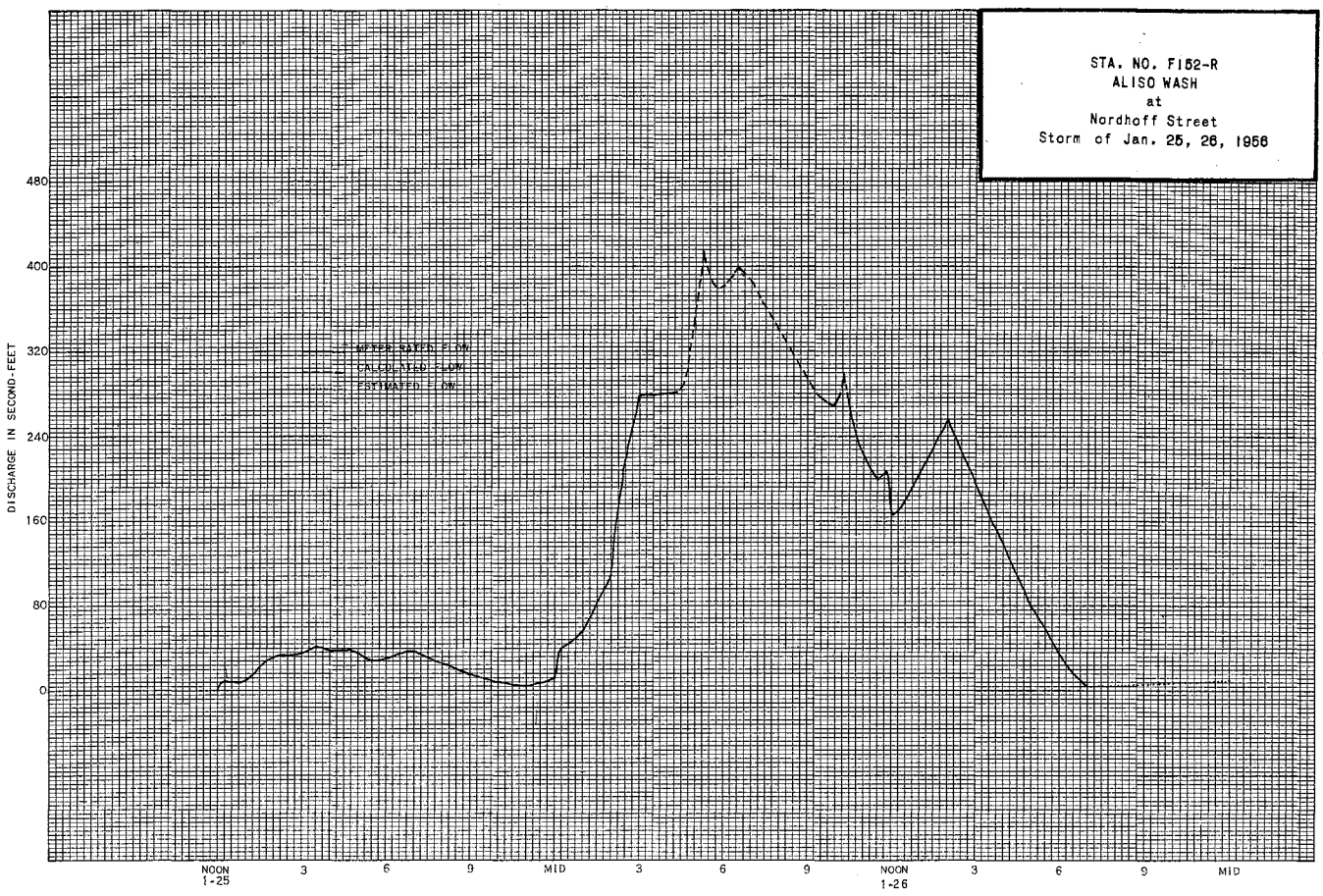
Daily discharge, in second-feet of ALISO WASH below Nordhoff Street, for the year ending September 30, 1957

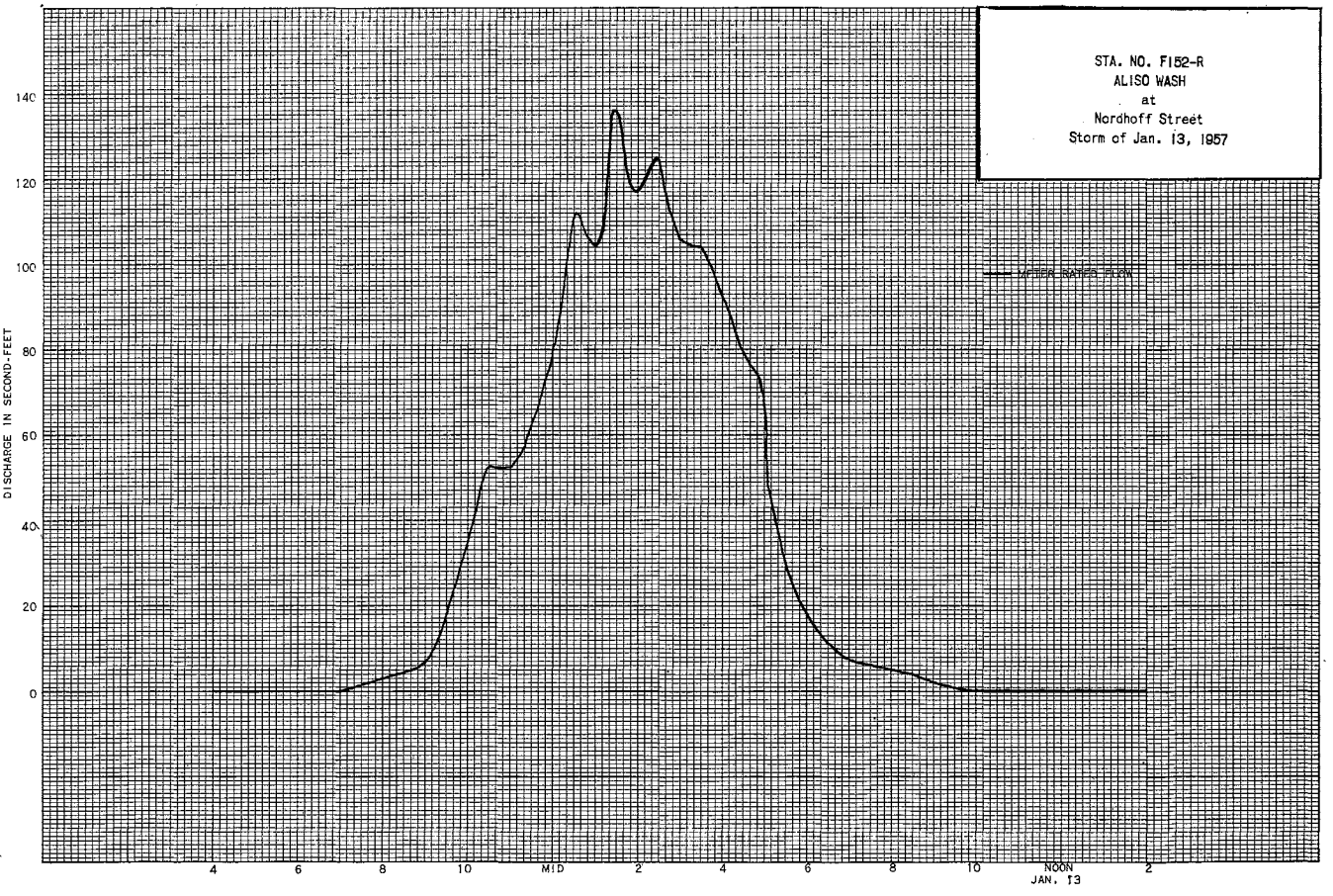
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0.7	0	0	0			
2	0	0	0	0	0	0	0	0	0			
3	0	0	0	0	0	0	0	0	0			
4	0	0	0	0	0	0	0	0	0			
5	0	0	0	0.9	0	0	0	0				STOPPED FOR SUMMER
6	0	0	0	0	0	0	0	0				
7	0	0	0	0	0	0	0	0				
8	0	0	0	0	0	0	0	0				
9	0	0	0	0	0	0	0	0				
10	0	0	0	0	0	0	0	0				
11	0	0	0	0	0	0	0	0.5				
12	0	0	0	6.0	0	0	0	0				
13	0	0	0	2.4	0	0	0	0				
14	0	0	0	0	0	0	0	0				
15	0	0	0	0	0	0	0	0				
16	0	0	0	0	0	0.8	0	0				
17	0	0	0	0	0	0	+	0				
18	0	0	0	0	0	0	0.2	0				0
19	0	0	0	0	0	0	0	0.8				0
20	0	0	0	0	0	0	0.3	0				0
21	0	0	0	0	0	0	+	0				0
22	0	0	0	0	0	0	0	0				0
23	0	0	0	0	3.3	0	0	0				0
24	0	0	0	0	0	0	0	0				0
25	0	0	0	0	0	0	0	0				0
26	0	0	0	2.8	0	0	0	0				0
27	0	0	0	0.1	0	0	0	0				0
28	0	0	0	0	7.1	0	0	0				0
29	0	0	0	+		0	0	0				0
30	0	0	0	0		0	0	0				0
31	0		0	0		0		0				
	0	0	0	33.8	10.4	1.5	0.5	1.3	0	0	0	0
MEAN	0	0	0	1.09	0.37	0.05	0.02	0.04	0	0	0	0
ACRE-FEET	0	0	0	67.	21.	3.0	1.0	2.6	0	0	0	0

RECORDER STOPPED FOR SUMMER

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.13
ACRE-FEET 95.


STA. NO. F152-R
ALISO WASH
at
Nordhoff Street
Storm of Jan. 25, 26, 1956
DISCHARGE IN SECOND-FEET
480
400
320
240
160
80
0
METER RATED FLOW
CALCULATED FLOW
ESTIMATED FLOW
NOON
1-25
3
6
9
MID
3
6
9
NOON
1-26
3
6
9
MID


STA. NO. F152-R
ALISO WASH
at
Nordhoff Street
Storm of Jan. 13, 1957
DISCHARGE IN SECOND-FEET
140
120
100
80
60
40
20
0
METER RATED FLOW
4
6
8
10
MID
2
4
6
8
10
NOON
JAN. 13
2

STA. NO. C331-R
ARCADIA WASH CHANNEL at Huntington Drive

LOCATION: WATER-STAGE RECORDER, LAT. 34°08'00", LONG. 118°02'00", ON THE RIGHT (WEST) SIDE OF CONCRETE DRAIN, APPROXIMATELY 420 FEET NORTH OF HUNTINGTON DRIVE AND APPROXIMATELY 1 MILE SOUTHWEST OF THE CENTER OF ARCADIA. ELEVATION OF GAGE APPROXIMATELY 428 FEET. THE STATION IS ON THE SANTA ANITA RACE TRACK PROPERTY.

DRAINAGE AREA: 1.1 SQUARE MILES OF MOUNTAIN LAND AND 3.0 SQUARE MILES OF VALLEY LAND.

CHANNEL AND CONTROL: CHANNEL - RECTANGULAR CONCRETE, 27.8 FEET WIDE AND 11.6 FEET DEEP. CONTROL - 0.4 OF A FOOT RISE IN CHANNEL FLOOR.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM BRIDGE 80 FEET BELOW STATION.

RECORDER: INSTALLED DECEMBER 5, 1956, OVER A 3-FOOT SQUARE STILLING WELL. STEVENS TYPE A-35 RECORDER IN SERVICE FROM DECEMBER 5, 1956 TO SEPTEMBER 30,, 1957.

RECORDS AVAILABLE: FROM DECEMBER 5, 1956 TO SEPTEMBER 30, 1957. RECORDS MAINTAINED BY AND AVAILABLE AT THE STATE OF CALIFORNIA, DEPARTMENT OF WATER RESOURCES.

EXTREMES OF DISCHARGE:
1956-57
MAXIMUM 365 SECOND-FEET FEBRUARY 23.
MINIMUM 0.12 SECOND-FOOT AT TIMES IN FEBRUARY, MARCH, AND JUNE.

ACCURACY: FAIR

OPERATION: LOCATED AND OPERATED BY THE STATE OF CALIFORNIA, DEPARTMENT OF WATER RESOURCES. CONSTRUCTED BY THE U.S. ARMY CORPS OF ENGINEERS.

DISCHARGE MEASUREMENTS OF ARCADIA WASH

~~AT~~ NEAR above Huntington Drive 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.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1	1/10	0820 / 0930	D.W.R.	4.5	0.89	2.55	-0.26	2.3		.5	10	-0.07	
2	1/10	1120 / 1125	"	8.5	1.74	1.84	0.30	3.2		.5	13	0	
3	1/20	1355 / 1410	"	28.0	5.76	2.41	0.43	13.9		.5	9	-0.05	
4	1/20	1410 / 1425	"	27.0	5.07	1.92	0.40	9.7		.5	9	0	
5	1/23	1335 / 1340	"	7.0	0.46	1.50	0.12	0.69		.5	5	0	
6	1/27	1445 / 1500	"	7.0	0.90	2.30	0.20	2.1		.5	8	-0.01	
7	1/27	1500 / 1510	"	7.0	0.85	2.22	0.18	1.9		.5	8	-0.01	

7SD7435 Cab 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

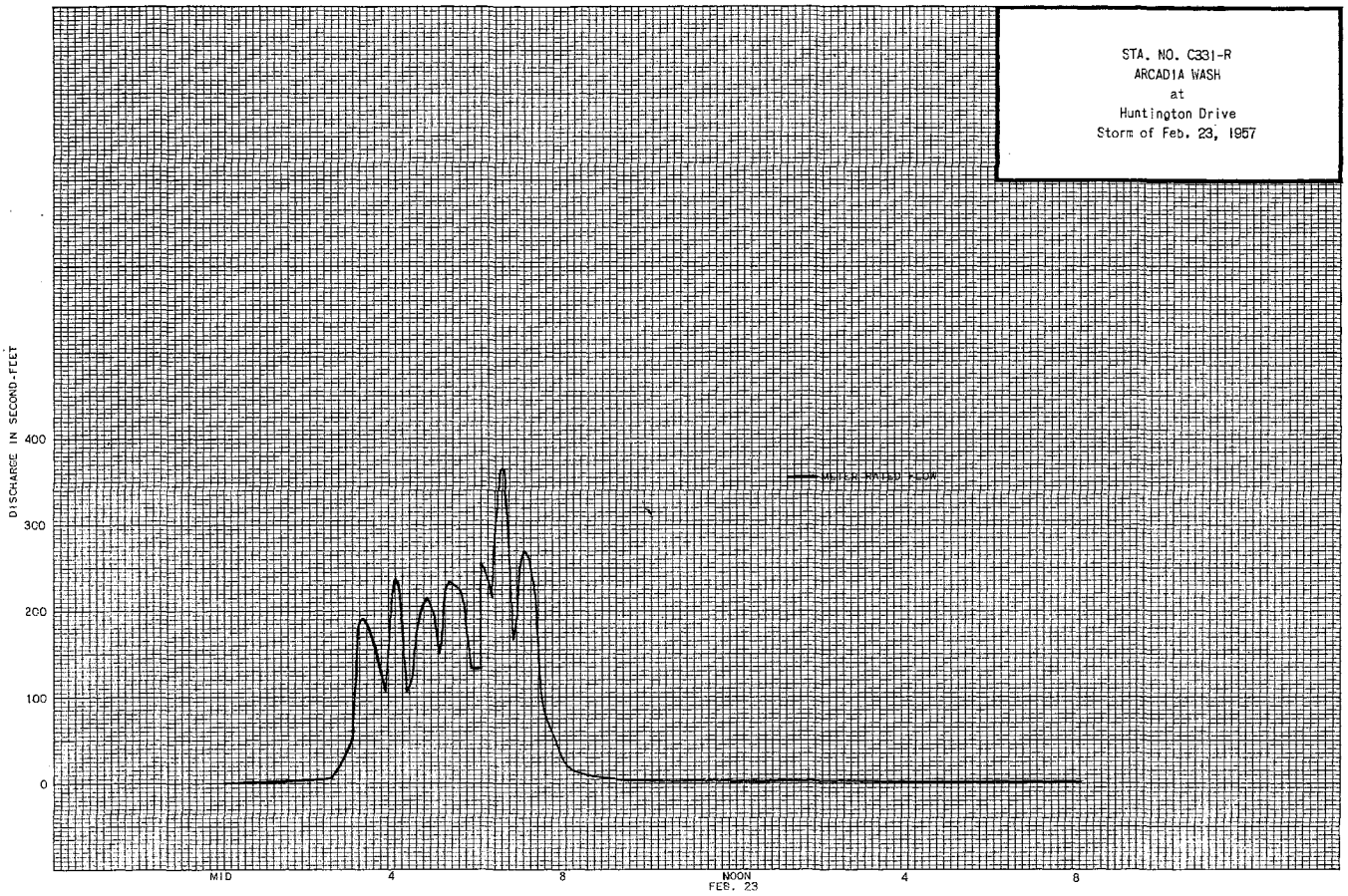
Sta. No. C331-R

Daily discharge, in second-feet of ARCADIA WASH above Huntington Drive for the year ending September 30, 19 57

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.3	0.3	0.3	0.3	0.2	3.2	0.2	0.2	0.4	0.2	0.2	0.2
2	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2
3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2
4	0.3	0.3	0.3	0.4	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2
5	0.3	0.3	2.4	2.9	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2
6	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2
7	0.3	0.3	0.3	0.4	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2
8	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
9	0.3	0.3	0.3	0.3	0.2	7.8	0.2	0.2	0.4	0.2	0.2	0.3
10	0.3	0.3	0.3	5.4	0.2	0.2	0.2	0.2	0.4	0.2	0.2	0.3
11	0.3	0.3	0.3	0.3	0.1	0.2	0.2	0.3	0.2	0.2	0.2	0.3
12	0.3	0.3	0.3	18.4	0.1	0.2	0.2	3.2	0.2	0.2	0.2	0.3
13	0.3	0.3	0.3	2.8	0.1	0.4	0.2	0.2	0.2	0.2	0.2	0.4
14	0.3	0.3	0.3	0.3	0.2	0.4	0.2	0.2	0.2	0.2	0.1	0.3
15	0.3	0.3	0.3	0.3	0.2	0.3	0.2	1.2	0.2	0.2	0.2	0.3
16	0.3	0.3	0.3	0.3	0.2	5.9	0.2	0.2	0.2	0.2	0.2	0.3
17	0.3	0.3	0.3	0.3	0.2	0.2	4.2	0.2	0.2	0.2	0.2	0.2
18	0.3	0.3	0.3	0.3	0.3	0.2	2.6	0.2	0.1	0.2	0.2	0.2
19	0.3	0.3	0.3	0.3	0.2	0.2	0.2	4.1	0.1	0.2	0.2	0.3
20	0.3	0.3	0.3	2.4	0.2	0.2	10.1	0.3	0.1	0.2	0.2	0.3
21	0.3	0.3	0.3	0.3	0.2	0.2	3.6	0.4	0.2	0.2	0.2	0.3
22	0.3	0.3	0.3	0.3	0.2	0.2	0.4	0.3	0.2	0.2	0.2	0.3
23	0.3	0.3	0.3	0.4	3.8	0.2	0.4	0.3	0.2	0.2	0.2	0.4
24	0.3	0.3	0.3	0.6	0.3	0.2	0.4	0.3	0.2	0.2	0.2	0.4
25	0.3	0.3	0.3	0.9	0.3	0.2	0.3	0.3	0.2	0.2	0.2	0.4
26	0.3	0.3	0.3	1.7	0.3	0.2	0.2	0.3	0.2	0.2	0.2	0.3
27	0.3	0.3	0.3	0.5	0.3	0.2	0.3	0.3	0.2	0.2	0.2	0.4
28	0.3	0.3	0.3	0.5	12	0.2	0.2	0.3	0.2	0.2	0.2	0.6
29	0.3	0.3	0.3	1.1		0.2	0.2	0.4	0.2	0.2	0.3	0.5
30	0.3	0.3	0.3	0.3		0.2	0.2	0.4	0.2	0.2	0.3	0.5
31	0.3		0.3	0.2		0.2		0.4		0.2	0.2	
	9.3	9.0	11.4	68.5	55.5	23.0	26.5	15.8	6.9	6.4	6.3	9.2
MEAN	0.30	0.30	0.37	2.21	1.98	0.74	0.88	0.51	0.23	0.21	0.20	0.31
ACRE-FEET	18.	18.	23.	136.	110.	46.	53.	31.	14.	13.	12.	18.

Remarks:

YEAR OR PERIOD MEAN 0.68
ACRE-FEET 492.



STATION F317-R
ARCADIA WASH below Grand Avenue

LOCATION: WATER STAGE RECORDER LAT. 34°05'45", LONG. 118°02'14", ON THE RIGHT (WEST) WALL OF ARCADIA WASH CHANNEL ABOUT 75' DOWNSTREAM FROM CENTERLINE 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: INSTALLED DECEMBER 12, 1955, OVER A 3 FT. X 3 FT. CONCRETE STILLING WELL. A STEVENS TYPE A35 CONTINUOUS RECORDER IN SERVICE FROM DECEMBER 12, 1955, TO SEPTEMBER 30, 1957.

REGULATION: SEVERAL DEBRIS BASINS LOCATED UPSTREAM.

RECORDS AVAILABLE: DECEMBER 12, 1955 TO SEPTEMBER 30, 1957.

EXTREMES OF DISCHARGE
1955-56
MAXIMUM 1700 SECOND-FEET JANUARY 26.
MINIMUM NO FLOW AT TIMES
1956-57
MAXIMUM 1180 SECOND-FEET FEBRUARY 23.
MINIMUM 0.1 SECOND-FEET AT VARIOUS TIMES
1955-57
MAXIMUM 1700. SECOND-FEET JANUARY 26, 1956.
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~~ NEAR below Grand Avenue 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.
1	1/25	1332 / 1347	STUNDEN-PHENIX	32.0	19.2	10.1	0.84	194.		.6	11	.02	FC36
2	1/25	2100 / 2115	" "	32.0	6.40	7.50	0.72+	48.0	FLOATS			0	
3	2/23	1315 / 1320	STUNDEN	32.0	12.8	4.95	0.52	63.4		"	10	0	
4	4/12	0747 / 0753	"	32.0	6.80	4.65	0.41	31.6		"	7	+.04	
5	4/12	1922 / 1936	"	32.0	16.0	8.75	0.88	140.		"	7	-.05	
6	4/26	0930 / 0935	"	32.0	6.40	4.03	0.37	25.8		"	8	0	
7	5/9	0735 / 0745	"	32.0	19.2	6.77	0.85	130.		"	8	0	

DISCHARGE MEASUREMENTS OF ARCADIA WASH

~~AT~~ NEAR below Grand Avenue DURING THE YEAR ENDING SEPTEMBER 30, 1957

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	10/4	0905 / 0915	HOLLERON	32.0	9.42	5.47	0.49	52.0	FLOATS		9	-.06	
9	10/18	1045 / 1050	"	2.5	0.15	1.40	0.07	0.21		"	6	0	
10	1/12	0908 / 0918	STUNDEN-HOLLERON	31.8	16.4	8.86	0.75	145.	FLOATS		6	0	
11	1/13	0930 / 0948	HOLLERON-STUNDEN	31.8	26.9	12.3	1.10	330.		.6	9	0	FC34
12	1/29	1506 / 1516	HOLLERON	24.0	1.35	2.74	0.17	3.7		.5	8	+.02	FC48
13	2/23	0500 / 0509	HOLLERON-BROOK	31.8	34.0	12.8	1.25	433.		.6	9	+.01	FC34
14	2/28	1251 / 1259	HOLLERON-HENSLEY	31.8	30.2	12.0	1.10	361.		.6	9	-.04	FC34

76D74M Gb 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, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1				+	+	+	1.1	+				
2				+			+	0				
3				+				0				
4				0				0				
5				0	+	+		0				
6			RECORDER INSTALLED 12/12/56	.1	0	0		0				
7				+	0	0		0				
8					+	+		.3				
9						0		2.9				
10						0	+	.7				
11						0	4.9	+				
12			0	+		0	8.6					
13			0	0		0	16.6					
14			0	+		0	+					
15			0		0	0						
16			+		+	+						
17												
18												
19												
20												0
21												0
22			+		+							0
23			.8		3.3							0
24			3.1	+	1.1							0
25			2.3	1.05	+		+					0
26			+	5.81	+		2.2					0
27				2.5	0		1.1	+				0
28				+	0		+	0				0
29			+	+	+		+	0				0
30			.2	6.8			0	0				+
31			+	3.2		+		0				
			6.4	721.1	34.1		131.7	30.0	0	0	0	+
MEAN				23.3	1.18	+	4.39	0.97				+
ACRE-FEET			12.7	1430.	67.6	+	261.	59.5				+

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN ACRE-FEET 1830. INC.

76D74M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

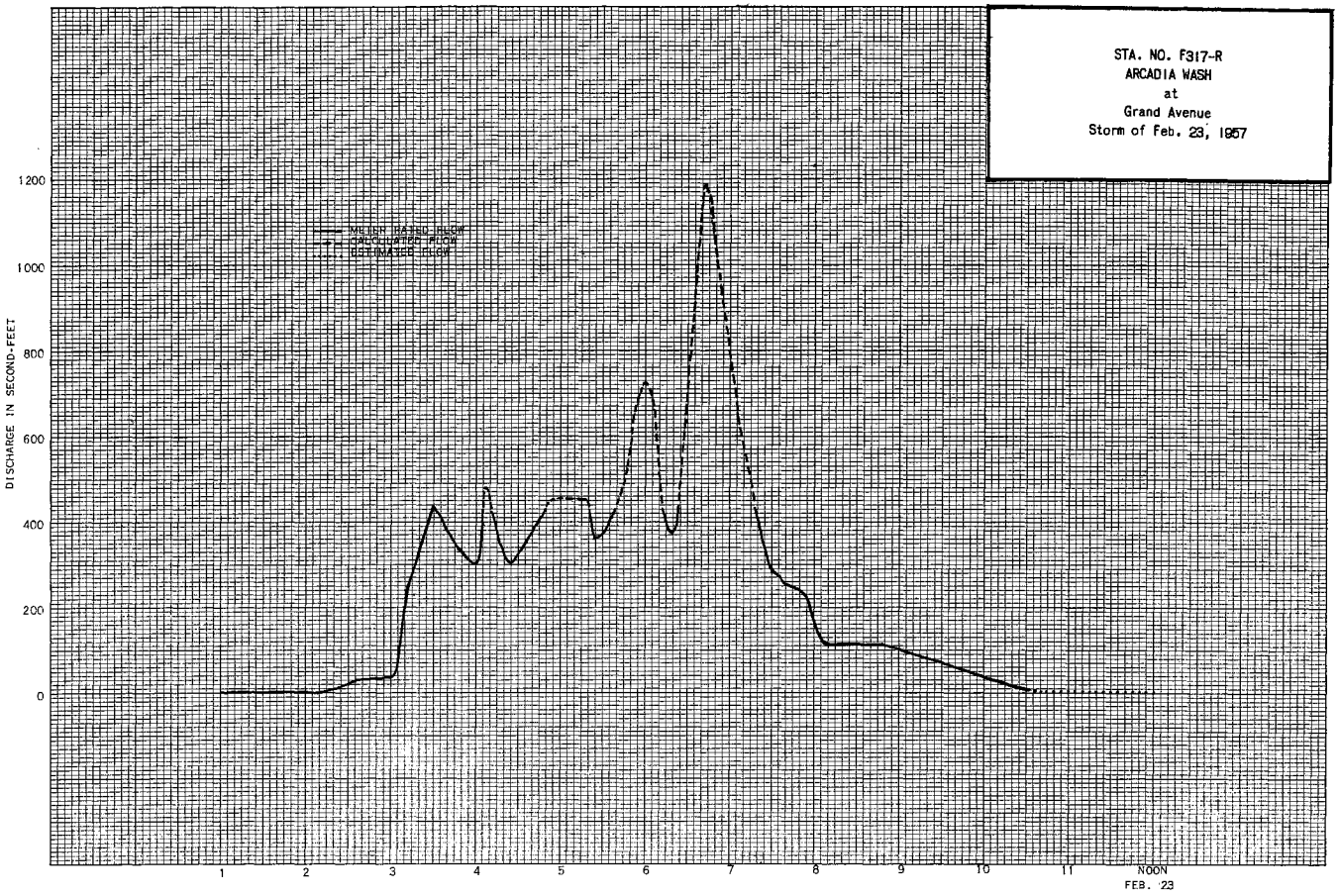
Sta. No. F317-R

Daily discharge, in second-feet of ARCADIA WASH below Grand Avenue, for the year ending September 30, 1957

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.4	0.2	0.3	0.3	0.5	2.0	0.4	0.4	0.4	0.3	0.2	0.3
2	0.4	0.3	0.3	0.5	0.5	0.7	0.4	0.4	0.3	0.3	0.3	0.3
3	0.4	0.4	0.3	0.3	0.5	0.7	0.4	0.4	0.3	0.2	0.3	0.4
4	7.5	0.2	0.3	1.0	0.4	0.7	0.4	0.4	0.3	0.1	0.4	0.4
5	0.7	0.2	9.1	13.2	0.4	0.5	0.4	0.3	0.3	0.2	0.4	0.4
6	0.4	0.1	1.0	0.4	0.4	0.7	0.4	0.4	0.3	0.3	0.4	0.4
7	0.3	0.1	0.4	1.3	0.4	0.5	0.4	0.4	0.4	0.2	0.4	0.4
8	0.4	0.2	0.3	0.5	0.4	0.5	0.4	0.3	0.4	0.2	0.3	0.4
9	0.4	0.3	0.3	0.4	0.7	19.2	0.4	0.3	0.9	0.1	0.4	0.3
10	0.4	0.3	0.3	2.6	0.3	0.5	0.4	0.3	2.8	0.9	0.4	0.4
11	0.4	0.2	0.3	0.5	0.4	0.5	0.5	10.8	0.3	0.2	0.4	0.4
12	0.4	0.2	0.4	5.1	0.4	0.4	0.4	0.5	0.4	0.3	0.4	0.5
13	0.2	0.3	0.3	8.2	0.4	0.4	0.4	0.5	0.4	0.2	0.3	0.7
14	0.3	0.4	0.4	0.7	0.4	0.3	0.4	5.0	0.4	0.2	0.2	0.4
15	0.4	0.3	0.4	0.5	0.5	0.4	0.4	0.5	0.3	0.2	0.2	0.4
16	0.3	0.3	0.4	0.5	0.9	2.6	0.3	0.4	0.2	0.2	0.4	0.4
17	0.3	0.2	0.2	0.4	0.7	b 0.4	15	0.4	0.2	0.3	0.3	0.3
18	0.3	0.2	0.2	0.4	0.9	0.4	8.2	1.4	0.1	0.3	0.4	0.3
19	0.3	0.3	0.3	0.5	1.2	0.4	0.7	16.5	0.2	0.4	0.4	0.4
20	0.1	0.4	0.3	8.2	0.5	0.4	35	0.5	0.3	0.3	0.4	0.5
21	0.2	0.3	0.4	0.7	0.5	b 0.4	11.1	1.2	0.3	0.3	0.4	0.4
22	0.3	0.3	0.4	0.5	0.4	0.4	0.4	0.4	0.3	0.3	0.4	0.3
23	0.2	0.4	0.3	1.4	10.8	0.4	0.4	0.4	0.3	0.3	0.5	0.4
24	0.2	0.4	0.3	1.8	0.7	0.5	0.4	0.4	0.3	0.3	0.4	0.4
25	0.2	0.4	0.2	2.2	0.5	0.5	0.4	0.4	0.4	0.3	0.4	0.3
26	0.2	0.3	0.3	10.5	0.5	0.5	0.3	0.4	0.4	0.3	0.4	0.3
27	0.2	0.3	0.3	3.5	0.7	0.5	0.4	0.4	0.3	0.3	0.3	0.3
28	0.3	0.3	0.3	1.7	4.3	0.5	0.4	0.4	0.4	0.3	0.3	0.3
29	0.2	0.3	0.2	7.1		b 0.5	0.4	0.5	0.4	0.3	0.4	0.3
30	0.2	0.3	0.3	0.5		0.5	0.4	0.4	0.3	0.2	0.5	0.3
31	0.2		0.3	0.5		b 0.4		0.4		0.3	0.4	
	16.7	8.4	19.1	219.0	165.1	78.7	79.9	45.4	12.6	8.6	11.3	11.3
MEAN	0.54	0.28	0.62	7.06	5.89	2.53	2.66	1.46	0.42	0.28	0.36	0.38
ACRE-FEET	33.	17.	38.	434.	327.	156.	158.	90.	25.	17.	22.	22.

Remarks:

YEAR OR PERIOD MEAN 1.85 ACRE-FEET 1340.



STATION U1-R
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 1957.

AVERAGE DISCHARGE: 43 YEARS (1913-15, 1916-55) - 9.02 SECOND-FEET.

EXTREMES:
1955-56
MAXIMUM DISCHARGE 815 SECOND-FEET JANUARY 26. (GAGE HEIGHT 4.30 FEET.)
MINIMUM DISCHARGE. NO FLOW ON MANY DAYS
1956-57
MAXIMUM DISCHARGE 158 SECOND-FEET FEBRUARY 23. (GAGE HEIGHT 2.84 FEET.)
MINIMUM DISCHARGE NO FLOW ON MANY DAYS.
1910-57
MAXIMUM DISCHARGE 8620 SECOND-FEET MARCH 2, 1938 BY SLOPE-AREA METHOD.
MINIMUM DISCHARGE NO FLOW AT TIMES IN SOME YEARS.

REMARKS: RECORDS GOOD EXCEPT FOR THOSE DAYS OF DOUBTFUL GAGE HEIGHT RECORD WHICH ARE FAIR. NO DIVERSIONS ABOVE STATION. MINOR REGULATION AT DEBRIS DAM 1.5 MILES UPSTREAM.

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

DISCHARGE MEASUREMENTS OF ARROYO SECO

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.	RATINGS	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1992	10/1		U.S.G.S.				0.50	0.02		EST.			
1993	10/5	0800 / 0810	STUNDEN	0.8	0.21	0.43	0.51	0.09		.5	5	0	FC50
1994	10/14		U.S.G.S.				0.52	0.08		FLUME			
1995	10/20	0830 / 0840	STUNDEN	0.8	0.24	0.67	0.52	0.16		.5	5	0	FC50
1996	11/1		U.S.G.S.				0.52	0.08		FLUME			
1997	11/2	1140 / 1150	STUNDEN	0.8	0.19	0.53	0.52	0.10		.5	5	0	FC50
1998	11/9	1400 / 1410	"	0.8	0.18	0.50	0.52	0.09		.5	5	0	"
1999	11/15		U.S.G.S.	1.6	0.52	0.48	0.58	0.25		.6	10	0	
2000	11/23	0727 / 0732	STUNDEN	1.6	0.46	3.70	0.57	0.17		.5	6	0	FC50
2001	12/1		U.S.G.S.	1.6	0.59	0.61	0.60	0.36		.6	10	0	
2002	12/8	0828 / 0838	STUNDEN	2.0	0.98	1.00	0.63	0.98		.5	7	0	FC50
2003	12/15		U.S.G.S.	2.0	0.87	0.77	0.66	0.67		.6	12	0	
2004	12/22	0810 / 0820	STUNDEN	2.0	0.86	0.77	0.65	0.66		.5 / .6	7	0	FC50
2005	12/29		U.S.G.S.	2.3	0.92	1.02	0.68	0.94		.6	14	0	
2006	1/5	1400 / 1410	STUNDEN	2.3	0.85	0.88	0.67	0.76		.5	9	0	FC50
2007	1/16		U.S.G.S.	2.3	0.84	0.96	0.69	0.81		.5	14	0	
2008	1/18	0846 / 0853	STUNDEN	2.3	0.73	0.85	0.68	0.62		.5	8	0	FC50
2009	1/26		U.S.G.S.	44.0	102.	6.73	4.07	686.		.6 / .2 / .6	11	−.15	
2010	1/26		"	45.0	107.	7.22	4.25	773.		.6	11	+.08	
2011	1/31		"	15.0	8.28	1.46	1.07	12.1		.5 / .6	16	−.01	
2012	2/15		"	4.3	2.32	1.32	0.73	3.06		.6	17	0	
2013	2/29		"	4.2	2.37	1.33	0.73	3.15		.6	16	0	
2014	3/8	1140 / 1150	STUNDEN	4.2	2.19	1.05	0.69	2.29		.5 / .6	10	0	FC50
2015	3/15		U.S.G.S.	4.2	1.94	1.03	0.68	2.00		.6	17	0	
2016	3/21	0915 / 0925	STUNDEN	4.2	1.79	1.01	0.66	1.76		.5	10	0	FC50
2017	3/30		U.S.G.S.	4.2	1.65	0.82	0.64	1.35		.6	18	0	
2018	4/4	1335 / 1345	STUNDEN	4.0	1.67	0.96	0.65	1.55		.5	9	0	FC50
2019	4/13		U.S.G.S.	19.1	11.4	1.44	1.22	16.4		.6	26	−.02	
2020	4/18	1330 / 1344	STUNDEN	15.0	5.81	0.95	0.80	5.50		.5 / .6	18	0	FC50
2021	4/30		U.S.G.S.	13.8	4.73	0.85	0.76	4.01		.5 / .6	16	0	
2022	5/18		"	2.8	0.79	4.79	0.73	3.79		.6	17	0	
2023	5/23	1400 / 1415	STUNDEN	3.9	2.15	1.11	0.71	2.40		.5 / .6	9	0	FC50
2024	5/31		U.S.G.S.	3.9	2.14	1.00	0.72	2.14		.6	17	0	
2025	6/6	1155 / 1205	STUNDEN	3.8	1.96	0.93	0.77	1.83		.5	10	0	FC50
2026	6/15		U.S.G.S.	3.9	1.67	6.95	0.65	1.17		.5 / .6	16	0	
2027	6/21	1520 / 1530	STUNDEN	3.8	1.73	0.81	0.66	1.36		.5 / .6	8	0	FC50
2028	6/28	1520 / 1535	"	1.8	0.63	0.75	0.61	0.47		.5	7	0	"
2029	6/29		U.S.G.S.	2.0	0.75	0.65	0.61	0.49		.6	12	0	
2030	7/5	1810 / 1818	HOLLERON	1.7	0.69	0.88	0.60	0.61		.5	5	0	FC48
2031	7/17		U.S.G.S.	1.5	0.45	0.38	0.54	0.17		.5	10	0	
2032	7/19	1333 / 1343	STUNDEN	1.5	0.44	0.36	0.54	0.16		.5	5	0	FC50
2033	7/31		U.S.G.S.				0.52	0.06		FLUME			
2034	8/9	1505 / 1510	STUNDEN	0.7	0.14	0.21	0.51	0.03		.5	4	0	FC50
2035	8/15		U.S.G.S.				0.53	0.05		FLUME			
2036	8/31		"				0.55	0.15		FLUME			

DISCHARGE MEASUREMENTS OF ARROYO SECO

NEAR above Mouth of 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.	RATINGS	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
2037	10/16		U.S.G.S.				0.51	0.06		FLUME		0	
2038	10/31		"				0.55	0.08		"		0	
2039	11/14		"				0.52	0.12		"		0	
2040	11/29		"				0.54	0.19		"		0	
2041	12/14		"	1.15	0.46	1.13	0.58 / 0.54	0.52		.6	8	0	
2042	12/27		"	1.10	0.43	1.07	0.64 / 0.57	0.46		.6	7	0	
2043	1/8		"	1.70	0.89	1.16	0.66 / 0.63	1.03		.6	10	0	
2044	1/13		"	23.5	20.2	2.41	2.03	48.6		.6	17	−.06	
2045	1/22		"	2.30	0.94	1.70	0.67	1.60		.6	9	0	
2046	1/23	1335 / 1345	HOLLERON-MC BRIDE	3.0	1.24	1.27	0.67	1.57		.5 / .6	8	0	
2047	1/31		U.S.G.S.	9.0	2.88	0.82	0.76	2.39		.5	17	−.01	
2048	2/12		"	4.8	2.47	1.16	0.83 / 0.72	1.59		.5	17	0	
2049	2/20	0850 / 0900	HOLLERON-MC BRIDE	3.0	1.37	1.46	0.71	1.99		.6	8	0	
2050	2/28		U.S.G.S.	8.3	3.81	1.40	0.91	5.33		.5 / .6	14	+.01	
2051	3/4		"	9.2	4.07	1.18	0.84	4.80		.6	25	0	
2052	3/6	1000 / 1016	HOLLERON	5.9	2.63	1.48	0.78	3.91		.5 / .6	13	0	
2053	3/16		U.S.G.S.		CHANNELS		0.90	7.91		.6	16	+.01	
2054	3/27	0834 / 0844	HOLLERON	2.7	1.63	1.29	0.71	2.1		.6	8	0	
2055	3/30		U.S.G.S.	2.7	1.48	1.28	0.70	1.90		.6	10	0	
2056	4/16		"	2.8	1.43	0.97	0.83 / 0.66	1.39		.6	15	0	
2057	4/24	1510 / 1520	HOLLERON	4.0	2.00	0.44	0.73	0.87		.6	8	0	
2058	4/30		U.S.G.S.	3.9	1.61	0.78	0.63	1.26		.6	11	0	
2059	5/15		"	8.6	3.41	1.13	0.76	3.84		.6	24	−.04	
2060	5/22	1250 / 1305	HOLLERON	7.5	3.26	1.66	0.80	5.4		.6	12	0	
2061	5/31		U.S.G.S.	4.1	2.23	1.20	0.72	2.67		.6	15	0	
2062	6/10	1324 / 1338	HOLLERON-ROY	3.9	2.15	0.98	0.73	2.1		.6	9	0	
2063	6/14		U.S.G.S.	2.3	1.22	1.11	0.69	1.36		.6	9	0	
2064	6/26	1302 / 1310	HOLLERON	2.7	0.32	0.91	0.58	0.29		.5	7	0	
2065	6/27		U.S.G.S.	2.3	0.87	0.34	0.56	0.30		.6	11	0	
2066	7/10	1149 / 1155	HOLLERON	1.8	0.64	0.33	0.58	0.21		.5	7	0	
2067	7/15		U.S.G.S.				0.53	0.07		FLUME		0	
2068	7/24	1548 / 1552	HOLLERON	0.6	0.08	0.75	0.53	0.06		.5	5	0	
2069	7/31		U.S.G.S.				0.53	0.06		FLUME		0	
2070	8/15		"				0.49	0.01		"		0	
2071	9/16		"				0.50	0.03		"		0	

TADT4M Gb 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, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0.1	0.4	0.8	7.9	3.2	1.9	3.7	1.7	0.6	0.1	0
2	0	0.1	0.7	0.7	6.3	3.2	1.9	3.4	2.0	0.6	0.1	0
3	0	0.1	0.8	0.7	5.4	2.7	1.7	3.2	1.9	0.7	0.1	0
4	0	0.1	1.0	0.7	5.2	2.5	1.7	3.0	1.7	0.7	0.1	0
5	0.1	0.1	1.0	0.7	4.7	2.5	1.5	3.0	1.7	0.7	0.1	0
6	0.1	0.1	1.0	0.7	4.2	2.3	1.5	3.0	1.7	0.6	0	0
7	0.1	0.1	1.0	0.7	3.7	2.3	1.3	2.7	1.7	0.4	0.1	0
8	0.1	0.2	1.0	0.8	3.4	2.3	1.3	2.7	1.3	0.3	0.1	0
9	0.1	0.1	1.0	0.8	3.4	2.3	1.3	1.4	1.1	0.2	0	0
10	0.1	0.1	1.0	0.8	3.2	2.3	1.3	9.0	1.1	0.2	0	0
11	0.1	0.1	0.8	0.8	3.0	2.3	1.7	6.3	1.1	0.3	0	0
12	0.1	0.2	0.8	0.8	2.7	2.1	1.6	4.7	1.1	0.4	0	0
13	0.1	0.1	0.8	0.8	2.7	2.1	2.1	4.2	1.1	0.3	0	0
14	0.1	0.7	0.7	0.8	2.7	2.1	1.2	3.7	1.1	0.3	0	0
15	0.1	0.3	0.7	0.8	2.7	2.1	8.2	3.4	1.1	0.1	0	0
16	0.1	0.1	0.7	0.8	2.7	1.9	8.2	3.2	1.1	0.1	0	0
17	0.1	0.1	0.7	0.7	2.5	1.9	6.6	3.2	1.3	0.1	0	0
18	0.1	0.1	0.7	0.6	2.5	1.9	5.7	3.4	1.3	0.2	0	0
19	0.1	0.1	0.7	0.6	2.5	1.9	4.7	3.0	1.3	0.1	0	0
20	0.1	0.2	0.7	0.6	2.5	1.9	4.0	2.7	1.5	0.1	0	0
21	0.1	0.4	0.7	0.7	2.3	1.9	3.7	2.5	1.5	0.1	0	0
22	0.1	0.5	0.8	0.7	2.3	1.7	3.2	2.1	1.1	0.1	0	0
23	0.1	0.2	1.1	0.8	8.7	1.7	3.2	2.3	1.0	0.1	0	0
24	0.1	0.1	1.0	0.8	8.3	1.7	3.2	2.5	1.0	0.1	0	0
25	0.1	0.2	1.3	6.8	4.7	1.5	3.2	2.7	0.7	0.1	0	0
26	0.1	0.2	1.0	310	3.7	1.7	6.8	2.7	0.6	0.1	0	0
27	0.1	0.2	1.7	162	3.4	1.5	6.6	2.5	0.5	0.1	0.1	0
28	0.1	0.2	1.0	35	3.2	1.5	4.4	2.5	0.5	0.1	0.3	0
29	0.1	0.2	1.0	17	3.2	1.3	4.0	2.5	0.5	0	0.2	0
30	0.1	0.2	1.0	12		1.3	4.0	2.3	0.5	0	0.1	0
31	0.1		1.0	12		1.5		2.1		0.1	0.1	
	2.7	5.5	27.8	572.5	113.7	63.1	145.8	112.2	35.8	7.9	1.5	0
MEAN	0.09	0.18	0.90	18.5	3.92	2.04	4.86	3.62	1.19	0.25	0.05	0
ACRE-FEET	5.4	11.	55.	1,140.	226.	125.	289.	223.	71.	16.	3.0	0

Remarks:

YEAR OR PERIOD MEAN 2.97
ACRE-FEET 2,160.

TADT4M Gb 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, 1957

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0.1	0.1	0.5	2.7	9.5	1.5	1.3	1.9	0.2	0	
2	0	0.1	0.1	0.5	2.5	5.0	1.3	1.3	1.5	0.2	0	
3	0	0.1	0.1	0.5	2.3	5.0	1.3	1.3	1.1	0.1	0	
4	0.5	0.1	0.1	0.5	1.9	4.7	1.3	1.3	0.7	0.1	0	
5	0.1	0.1	0.3	0.8	1.7	4.4	1.1	1.1	0.7	0.1	0	
6	0.1	0.1	0.5	0.8	1.7	4.0	1.0	1.1	0.7	0.1	0	
7	0.1	0.1	0.3	0.8	1.7	3.7	1.0	1.3	0.7	0.1	0.1	
8	0.1	0	0.2	1.0	1.7	4.0	1.0	1.3	1.1	0.1	0.1	
9	0.1	0.1	0.2	1.0	1.5	5.2	1.0	1.7	1.3	0.1	0.1	
10	0.1	0.1	0.2	1.3	1.2	5.0	1.0	4.8	2.1	0.1	0.1	
11	0.1	0.1	0.3	1.3	1.5	5.0	1.1	14	1.9	0.1	0.1	
12	0.1	0.1	0.5	2.9	1.6	5.0	1.1	8.7	1.1	0.1	0.1	
13	0.1	0.1	0.5	53	1.0	4.7	1.1	5.0	1.1	0.1	0	
14	0.1	0.1	0.5	5.4	1.0	4.7	1.1	4.2	1.3	0.1	0	
15	0.1	0.1	0.5	2.3	1.1	4.2	1.3	3.6	1.1	0.1	0	
16	0.1	0.1	0.5	1.3	1.5	6.3	1.3	2.7	1.0	0.1	0	
17	0.1	0.1	0.5	1.0	1.9	5.2	1.9	2.3	0.5	0.1	0	
18	0.1	0.1	0.5	1.0	1.9	5.0	5.4	2.3	0.3	0.1	0	
19	0.1	0.2	0.5	0.7	2.1	4.4	3.7	15	0.3	0.1	0	
20	0.1	0.2	0.5	1.1	2.1	4.2	4.5	7.4	0.3	0.1	0	
21	0	0.2	0.5	2.1	1.9	4.0	5.2	6.6	0.3	0.1	0	
22	0	0.2	0.5	1.7	1.9	3.4	4.2	5.7	0.4	0	0	
23	0.1	0.1	0.5	1.5	4.3	2.7	3.0	5.4	0.4	0	0	
24	0.1	0.1	0.5	2.1	11	2.7	2.5	5.0	0.4	0	0	
25	0.1	0.1	0.5	2.3	6.0	2.3	2.1	4.2	0.4	0	0	
26	0.1	0.1	0.5	6.4	5.3	2.1	1.7	3.7	0.3	0	0	
27	0.1	0.1	0.5	5.4	4.7	1.9	1.3	3.2	0.3	0	0	
28	0.1	0.2	0.5	3.4	9.1	1.7	1.3	3.2	0.4	0.1	0	
29	0.1	0.1	0.5	4.7		1.7	1.3	3.0	0.4	0	0	
30	0.2	0.1	0.5	3.0		1.7	1.3	3.0	0.3	0	0	
31	0.1		0.5	3.0		1.5		2.5		0	0	
	3.1	3.4	12.4	113.3	118.5	124.9	57.9	127.2	24.3	2.4	0.6	
MEAN	0.10	0.11	0.40	3.65	4.23	4.03	1.93	4.10	0.81	0.08	0.02	0
ACRE-FEET	6.1	6.7	25.	225.	235.	248.	115.	252.	48.	4.8	1.2	0

Remarks:

YEAR OR PERIOD MEAN 1.61
ACRE-FEET 1170.

STATION P277-R
ARROYO SECO below Devils Gate Dam

LOCATION: WATER-STAGE RECORDER, LAT. 34°10'53", LONG. 118°10'21", ON THE LEFT (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 ABOUT 926 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 WASHINGTON STREET BRIDGE ABOUT 0.5 MILE BELOW STATION.

RECORDER: INSTALLED NOVEMBER 30, 1942 OVER A 32-INCH DIAMETER STILLING WELL. AN H.C.F. RECORDER WAS IN SERVICE FROM OCTOBER 1, 1953 TO SEPTEMBER 30, 1957.

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 STATION FROM PASADENA WATER DEPARTMENT TUNNEL.

RECORDS AVAILABLE: NOVEMBER 30, 1942 TO SEPTEMBER 30, 1957. RECORDS PRIOR TO NOVEMBER 30, 1942 ARE AVAILABLE AT THE PASADENA WATER DEPARTMENT.

EXTREMES OF DISCHARGE:
1955-56
MAXIMUM 411 SECOND-FEET JANUARY 27.
MINIMUM NO FLOW PART OF YEAR.
1956-57
MAXIMUM 124 SECOND-FEET OCTOBER 4.
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~~ NEAR below Devils Gate Dam DURING THE YEAR ENDING SEPTEMBER 30, 19~~56~~ 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.	RATINGS	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
367	1/29	1535 / 1540	STUNDEN	3.4	1.16	1.03	0.18	1.2		.5	8	0	FC36
368	2/2	1305 / 1310	"	2.0	0.27	2.89	0.15	0.78		.5	5	0	"
369	2/9	1445 / 1449	"	1.8	0.20	3.55	0.13	0.71	FLOATS		6	0	
370	2/16	1425 / 1437	SADDORIS	1.8	0.47	1.00	0.14	0.47		.5	4	0	FC26
371	2/23	1610 / 1615	STUNDEN	2.1	0.48	4.17	0.28	2.0	FLOATS		7	0	
372	2/29	1115 / 1120	"	1.9	0.18	3.44	0.13	0.62	"		7	0	
373	3/8	1300 / 1310	"	2.0	0.23	2.35	0.12	0.54	"		7	0	
374	3/15	1545 / 1547	SJOSTEDT	1.6	0.16	3.44	0.13	0.55	"		5	0	
375	3/21	1000 / 1010	STUNDEN	1.8	0.18	3.56	0.12	0.64	"		6	0	
376	3/22	1520 / 1525	"	1.8	0.18	3.56	0.13	0.64	"		6	0	
377	3/29	1530 / 1535	"	1.8	0.17	3.53	0.12	0.60	"		6	0	
378	4/4	1232 / 1237	"	1.8	0.22	2.86	0.13	0.63	"		6	0	
379	4/11	1335 / 1340	"	1.8	0.22	3.23	0.14	0.71	"		6	0	
380	4/18	1110 / 1120	"	2.6	0.99	0.63		0.62		.5	7	0	FC50
381	4/25	1415 / 1920	"	1.8	0.19	3.32	0.15	0.63	FLOATS		6	0	
382	4/26	1535 / 1540	"	2.0	0.30	3.03	0.17	0.91	"		6	0	
383	5/3	1535 / 1550	SADDORIS	2.3	0.64	0.86	0.15	0.55		.5	6	0	FC26
384	5/8	1805 / 1910	STUNDEN	1.8	0.21	2.90	0.16	0.61	FLOATS		6	0	
385	5/10	1140 / 1145	"	1.8	0.26	3.50	0.16	0.91	"		6	0	
386	5/17	1440 / 1445	"	1.8	0.21	3.95	0.15	0.83	"		6	0	
387	5/23	1445 / 1450	"	1.8	0.20	3.10	0.13	0.62	"		5	0	
388	5/30	1210 / 1215	"	1.8	0.20	3.10	0.14	0.62	"		5	0	
389	6/6	1035 / 1040	"	1.8	0.18	3.39	0.14	0.61	"		6	0	
390	6/14	1510 / 1525	HOLLERON-STUNDEN	2.4	0.85	0.58	0.13	0.49		.5	7	0	FC50
391	6/28	1415 / 1425	" "	2.0	0.62	0.48	0.10	0.30		.5	5	0	"
392	7/5	1655 / 1705	HOLLERON	1.6	0.53	0.53	0.08	0.28		.5	5	0	FC48
393	7/12	0745 / 0755	"	1.5	0.50	0.04	0.07	0.21		.5	6	0	"
394	7/19	1425 / 1430	STUNDEN	0.9	0.12	1.00	0.10	0.12			4	0	FC50
395	7/26	1350 / 1400	"	0.8	0.11	0.91	0.09	0.10		.5	5	0	"
396	8/1	1130 / 1140	"	0.6	0.12	1.00	0.08	0.12		.5	4	0	"
397	8/9	1400 / 1410	"	0.6	0.10	1.00	0.07	0.10		.5	4	0	"
398	8/16	1000 / 1010	HOLLERON	2.9	0.41	1.10	0.12	0.45		.5	7	0	"
399	8/23	1032 / 1038	"	2.9	0.47	1.11	0.13	0.52		.5	7	0	"
400	8/30	0850 / 0900	"	3.0	0.44	1.02	0.13	0.45		.5	7	0	"
401	9/6	1555 / 1605	"	3.0	0.42	0.83	0.10	0.35		.5	7	0	FC48
402	9/13	1420 / 1430	"	3.0	0.38	0.76	0.09	0.29		.5	7	0	"
403	9/20	1630 / 1640	"	1.4	0.13	0.46	0.07	0.06		.5	5	0	"

DISCHARGE MEASUREMENTS OF ARROYO SECO

~~AT~~ NEAR below Devils Gate Dam 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.	G. HT. CHANGE TOTAL	METER NO.
404	1/12	1915 / 1920	HOLLERON-HENSLEY	1.8	0.09	2.00	0.05	0.18	FLOATS	5	0		
405	1/18	1030 / 1034	HOLLERON	1.8	0.11	2.18	0.06	0.24	"	5	0		
406	1/23	1430 / 1436	HOLLERON-MC BRIDE	1.8	0.12	2.25	0.07	0.27	"	5	0		
407	1/31	1150 / 1155	HOLLERON	1.8	0.23	2.39	0.14	0.55	"	5	0		
408	2/7	0910 / 0912	"	1.8	0.18	2.45	0.10	0.44	"	5	0		
409	2/14	1105 / 1110	"	1.8	0.16	2.50	0.10	0.41	"	5	0		
410	2/21	0835 / 0840	HOLLERON-MC BRIDE	1.8	0.16	2.30	0.09	0.37	"	5	0		
411	2/23	1308 / 1312	HOLLERON-BROOK	1.8	0.19	2.94	0.11	0.56	"	5	0		
412	2/28	0825 / 0830	HOLLERON	1.8	0.17	2.76	0.10	0.47	"	5	0		
413	3/1	0815 / 0823	HOLLERON-HENSLEY	1.8	0.29	4.13	0.18	1.2	"	5	0		
414	3/7	1118 / 1120	HOLLERON	1.8	0.18	2.50	0.11	0.45	"	5	0		
415	3/14	1606 / 1608	HOLLERON-WOOD	1.8	0.16	3.25	0.10	0.52	"	5	0		
416	3/16	0640 / 0644	HOLLERON-HENSLEY	2.0	0.46	5.00	0.23	2.3	"	5	0		
417	3/16	1411 / 1415	HOLLERON	1.8	0.17	3.35	0.10	0.57	"	5	0		
418	3/21	1040 / 1044	"	1.8	0.16	2.94	0.10	0.47	"	5	0		
419	3/28	1038 / 1042	"	1.8	0.16	2.88	0.10	0.46	"	5	0		
420	4/4	1024 / 1026	"	1.8	0.18	3.28	0.11	0.59	"	5	0		
421	4/11	1047 / 1049	HOLLERON-MC BRIDE	1.8	0.19	2.58	0.14	0.49	"	5	0		
422	4/17	2300 / 2304	HOLLERON	2.1	0.63	3.02	0.33	1.9	"	5	0		
423	4/18	1012 / 1014	"	2.0	0.48	2.50	0.26	1.2	"	5	0		
424	4/25	1027 / 1033	"	2.0	0.32	1.72	0.24	0.55	.5	7	0		FC48
425	4/25	1040 / 1044	"	2.0	0.40	1.38	0.24	0.55	FLOATS	7	0		
426	5/2	1500 / 1508	HOLLERON-BROOK	2.0	0.39	1.31	0.30	0.51	.5	7	0		FC48
427	5/9	1044 / 1052	HOLLERON	2.0	0.43	1.33	0.30	0.57	.5	7	0		"
428	5/16	1045 / 1051	"	2.0	0.44	1.30	0.24	0.57	.5	7	0		"
429	5/23	1028 / 1034	"	2.0	0.34	1.74	0.26	0.59	.5	7	0		"
430	5/29	1022 / 1026	"	2.0	0.34	1.44	0.25	0.49	.5	7	0		"
431	6/6	1048 / 1054	HOLLERON-ROY	1.9	0.26	1.39	0.23	0.36	.5	8	0		"
432	6/13	1058 / 1106	HOLLERON	1.8	0.20	1.60	0.10	0.32	.5	7	0		"
433	6/20	1040 / 1048	"	1.8	0.24	0.92	0.12	0.22	.5	7	0		"
434	6/27	1020 / 1026	"	1.9	0.26	0.62	0.23	0.16	.5	7	0		"
435	7/3	0837 / 0843	"	1.9	0.21	0.67	0.17	0.14	.5	7	0		"
436	7/11	1110 / 1116	"	1.8	0.18	0.56	0.09	0.10	.5	6	0		"
437	7/18	1040 / 1048	"	1.8	0.19	0.74	0.11	0.14	.5	7	0		"
438	7/25	0954 / 0958	"	1.8	0.16	0.62	0.13	0.10	.5	6	0		"
439	8/1	1208 / 1212	"	0.8	0.07	0.86	0.10	0.06	.5	5	0		"
440	8/8	0838 / 0842	"	0.3	0.03	0.67	0.08	0.02	.5	4	0		"
441	8/15	1107 / 1110	HOLLERON-ROY	0.30	0.03	0.67	0.05	0.02	.5	4	0		"
442	8/29	1042 / 1050	HOLLERON	1.8	0.21	3.14	0.11	0.66	FLOATS	7	0		"
443	9/5	1124 / 1132	"	1.9	0.31	1.68	0.14	0.53	.5	8	0		"
444	9/12	1050 / 1100	"	1.9	0.36	2.02	0.21	0.73	.5	8	0		"
445	9/19	1136 / 1144	"	1.9	0.27	2.08	0.17	0.56	.5	7	0		"
446	9/25	0920 / 0925	ROY	0.5	0.02	0.50		0.01	.5	3			"

7ED74M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. PC77-R

Daily discharge, in second-feet of ARROYO SECO below Devils Gate 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	0.9	0.7	0.6	0.6	0.7	0.3	0.1	0.4
2	0	0	0	0	0.9	0.7	0.7	0.6	0.7	0.3	0.1	0.4
3	0	0	0	0	0.9	0.7	0.7	f 0.6	0.6	0.3	0.1	0.4
4	0	0	0	0	0.9	0.7	0.7	a 0.6	0.6	0.3	0.1	0.4
5	0	0	0	0	0.9	0.7	0.7	| 0.6	0.6	0.3	0.1	0.4
6	0	0	0	0	0.9	0.6	0.7	| 0.6	0.6	0.3	0.1	0.4
7	0	0	0	0	0.9	0.6	0.7	| 0.6	0.6	0.3	0.1	0.4
8	0	0	0	0	0.9	0.6	0.7	| 0.6	0.6	0.3	0.1	0.4
9	0	0	0	0	0.8	0.6	0.7	a 1.4	0.6	0.2	0.1	0.4
10	0	0	0	0	0.7	0.6	0.7	f 0.9	0.5	0.2	0.1	0.3
11	0	0	0	0	0.7	0.6	0.6	0.9	0.5	0.2	0.2	0.3
12	0	0	0	0	0.7	0.6	1.9	0.9	0.5	0.2	0.2	0.3
13	0	0	0	0	0.7	0.6	1.2	0.9	0.5	0.2	0.3	0.3
14	0	0.2	0	0	0.7	0.6	0.7	0.8	0.5	0.2	0.3	0.3
15	0	0	0	0	0.7	0.6	0.7	0.8	f 0.5	0.2	0.4	0.2
16	0	0	0	0	0.7	0.6	0.7	0.8	a 0.5	0.2	0.4	0.2
17	0	0	0	0	0.7	0.6	0.7	0.8	| 0.6	0.1	0.4	0.2
18	0	0	0	0	0.7	0.7	0.7	0.8	| 0.6	0.1	0.4	0.1
19	0	0	0	0	0.7	0.6	0.7	0.8	a 0.7	0.1	0.3	0.1
20	0	0	0	0	0.7	0.7	0.7	0.7	f 0.7	0.1	0.4	0.1
21	0	0	0	0	0.7	0.7	0.7	0.7	0.7	0.1	0.5	0.1
22	0	0	0	0	0.7	0.7	0.7	0.7	0.5	0.1	0.5	+
23	0	0	0	0	1.3	0.7	0.7	0.7	0.5	0.1	0.5	|
24	0	0	0	0	0.9	0.7	0.7	0.7	0.4	0.1	0.5	|
25	0	0	0	0.9	0.9	0.7	0.7	0.7	0.4	0.1	0.5	+
26	0	0	0	e166	0.8	0.6	1.0	0.7	0.4	0.1	0.5	0
27	0	0	0	e327	0.7	0.6	0.7	0.7	0.4	0.1	0.5	0
28	0	0	0	e119	0.7	0.6	0.7	0.7	0.3	0.1	0.5	0
29	0	0	0	1.1	0.7	0.6	0.7	0.7	0.3	0.1	0.5	0
30	0	0	0	1.1		0.6	0.7	0.7	0.3	0.1	0.5	0
31	0		0	1.1		0.6		0.7		0.1	0.5	
	0	0.2	0	6162	231	198	230	230	159	55	100	61
MEAN	0	+	0	19.9	0.80	0.64	0.77	0.74	0.53	0.18	0.32	0.20
ACRE-FEET	0	0.4	0	1220.	46.	39.	46.	46.	32.	11.	20.	12.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 2.03
ACRE-FEET 1470.

TEDTHM F. C. Dist. 52 9-58

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, 19 57

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	+	+	+	0.5	1.1	0.6	0.6	0.5	0.1	0.1	0.6
2	0				0.5	0.9	0.6	0.5	0.4	0.1	0.1	0.6
3	0				0.5	0.8	0.6	0.6	0.4	0.1	+	0.5
4	5.8		+		0.5	0.7	0.6	0.6	0.4	0.1		0.5
5	+		a 0.4		0.5	0.7	0.6	0.6	0.4	0.1		0.5
6			0		0.4	0.6	0.6	0.6	0.4	0.1		0.5
7			0		0.4	0.6	0.5	0.6	0.4	0.1		0.5
8			+		0.4	0.8	0.5	0.6	0.4	0.1		0.6
9					0.4	1.0	0.4	0.6	0.4	0.1		0.6
10					0.4	0.9	0.4	0.6	0.3	0.1		0.7
11				+	0.4	0.8	0.4	0.8	0.3	0.1		0.7
12				a 1.1	0.4	0.7	0.4	0.6	0.3	0.1		0.7
13				a 2.9	0.4	0.7	0.4	0.6	0.3	0.1		0.7
14				0.2	0.4	0.7	0.4	0.6	0.3	0.1		0.7
15				0.2	0.4	0.6	0.5	0.6	0.3	0.1		0.7
16				0.2	0.4	0.8	0.5	0.6	0.3	0.1		0.6
17				0.2	0.4	0.5	0.7	0.6	0.2	0.1		0.6
18				0.2	0.4	0.6	1.1	0.6	0.2	0.1		0.6
19				0.2	0.4	0.5	0.7	1.2	0.2	0.1		0.6
20				0.3	0.4	0.4	0.9	0.6	0.2	0.1		0.5
21				0.3	0.4	0.5	0.7	0.7	0.2	0.1		0.4
22				0.3	0.4	0.4	0.6	0.6	0.2	0.1	+	0.3
23				0.3	2.1	0.4	0.6	0.6	0.2	0.1	0.7	0.2
24				0.3	0.5 c	0.4	0.6	0.6	0.2	0.1	0.7	0.1
25				0.3	0.5	0.5	0.7	0.6	0.2	0.1	0.7	+
26				0.4	0.5	0.5	0.6	0.5	0.2	0.1	0.7	
27				0.5	0.5	0.5	0.5	0.5	0.2	0.1	0.7	
28				0.5	1.1 c	0.6	0.4	0.5	0.2	0.1	0.7	
29				0.5		0.6	0.5	0.5	0.2	0.1	0.7	
30		+		0.6		0.7	0.6	0.5	0.2	0.1	0.7	+
31	+		+	0.6		0.6		0.5		0.1	0.6	
	5.8		0.4	10.1	14.5	20.1	17.2	18.8	8.6	3.1	6.4	13.0
MEAN	0.19	+	+	0.33	0.52	0.65	0.57	0.61	0.29	0.1	0.21	0.43
ACRE-FEET	11.	+	0.8	20.	29.	40.	34.	37.	17.	6.1	13.	26.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.32
ACRE-FEET 234.

STATION F298-R
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 38.5 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: INSTALLED MARCH 17, 1942, OVER AN 18 INCH CORRUGATED IRON PIPE STILLING WELL. AN H.C.F. RECORDER WAS IN SERVICE FROM OCTOBER 1, 1955 TO SEPTEMBER 30, 1957.

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, 1957.

EXTREMES OF DISCHARGE:
1955-56
MAXIMUM 4370 SECOND-FEET JANUARY 26.
MINIMUM 1.2 SECOND-FEET NOVEMBER 20.
1956-57
MAXIMUM 4700 SECOND-FEET FEBRUARY 23.
MINIMUM 1.8 SECOND-FEET AT VARIOUS TIMES.
1942-57
MAXIMUM OF RECORD 5060 SECOND-FEET MARCH 15, 1952.
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.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
138	11/3	1445 / 1510	DE MARS	37.4	5.75	0.73	0.12	4.2		.5	22	0	FC48
139	1/27	1143 / 1153	"	38.0	13.1	2.34	0.29	30.7		.5	13	-.02	FC34
140	3/15	0803 / 0825	HOLLERON	37.8	4.66	0.71	0.15	3.3		.5	17	0	FC48
141	4/5	0800 / 0812	"	38.1	5.33	0.71	0.14	3.8		.5	10	+.01	"
142	4/14	1132 / 1147	"	38.0	6.41	1.00	0.16	6.4		.5	12	0	"
143	4/19	0825 / 0845	"	37.9	4.86	0.72	0.14	3.5		.5	14	0	"
144	4/27	1056 / 1114	"	37.9	5.83	0.98	0.15	5.7		.5	15	0	"
145	5/10	0850 / 0906	"	37.8	5.45	0.73	0.15	4.0		.5	15	0	"
146	5/24	0916 / 0936	"	38.2	6.42	0.81	0.16	5.2		.5	14	0	"
147	6/7	0920 / 0935	"	38.2	6.32	0.66	0.19	4.2		.5	13	0	"
148	6/20	0932 / 0950	"	38.1	5.54	0.74	0.16	4.1		.5	12	0	"
149	7/6	0940 / 0955	"	38.3	7.98	0.84	0.25	6.7		.5	12	0	"
150	7/19	0930 / 0944	"	38.3	7.93	0.79	0.23	6.3		.5	12	0	"
151	8/2	0955 / 1015	"	38.2	6.87	0.79	0.21	5.4		.5	12	0	"
152	8/15	0805 / 0825	"	38.2	7.13	0.77	0.22	5.5		.5	12	0	"
153	8/30	0912 / 0942	SJOSTEDT	38.8	6.49	0.71	0.22	4.6		.5	24	0	"
154	9/20	0815 / 0830	"	38.0	6.52	0.69	0.21	4.5		.5	12	0	FC50

DISCHARGE MEASUREMENTS OF BALLONA CREEK

AT NEAR Curson Avenue 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.	G. HT. CHANGE TOTAL	METER NO.
155	10/4	0830 / 0845	SJOSTEDT	38.0	11.8	1.52	0.31	17.9		.5 / .6	12	-.04	FC50
156	10/18	0758 / 0812	"	38.0	6.31	0.55	0.16	3.5		.5	11	0	"
157	11/1	0755 / 0810	"	38.0	6.42	0.59	0.18	3.8		.5	10	0	"
158	11/15	0815 / 0830	"	38.0	6.12	0.69	0.15	4.2		.5	10	0	"
159	11/29	0810 / 0822	"	38.0	6.11	0.67	0.16	4.1		.5	8	0	
160	12/13	0800 / 0810	"	38.0	3.35	1.13	0.15	3.8	FLOATS		8	0	
161	12/28	1300 / 1320	HOLLERON	38.4	7.38	0.95	0.15	7.0		.5	12	0	FC48
162	1/10	0802 / 0812	SJOSTEDT	38.0	8.58	1.51	0.19	12.9		.5	10	-.02	FC50
163	1/24	0820 / 0829	"	38.0	27.0	4.22	0.58	114.		.6	10	-.05	FC47
164	2/7	0818 / 0830	"	38.0	4.86	0.82	0.11	4.0		.5	10	0	FC50
165	2/21	0808 / 0820	"	37.7	4.41	0.66	0.13	2.9		.5	10	0	"
166	3/7	0815 / 0830	"	38.0	3.87	0.96	0.11	3.7		.5	10	0	"
167	4/4	0820 / 0830	"	37.6	4.44	0.79	0.11	3.5		.5	11	0	"
168	5/2	0815 / 0825	"	35.0	4.80	0.69	0.15	3.3		.5	10	0	"
169	5/16	1525 / 1532	BROOK-SJOSTEDT	35.0	5.31	0.72	0.14	3.8		.5	9	0	"
170	5/29	0825 / 0835	SJOSTEDT	38.0	6.77	0.59	0.17	4.0		.5	10	0	"
171	6/27	0823 / 0836	WOOD-SJOSTEDT	38.6	6.89	0.73	0.18	5.0		.5	10	0	"
172	7/11	0820 / 0835	SJOSTEDT	38.0	8.65	0.71	0.23	6.1		.5	10	0	"
173	7/25	0830 / 0845	"	38.0	7.09	0.73	0.18	5.2		.5	10	0	"
174	8/8	0836 / 0854	WOOD	38.0	7.17	0.77	0.20	5.5		.5	12	0	"
175	8/22	1515 / 1530	SJOSTEDT	38.0	8.08	0.87	0.20	7.7		.5	11	0	"
176	9/5	1600 / 1615	"	38.0	8.79	1.00	0.23	8.8		.5	10	0	"
177	9/19	1610 / 1622	SARASUA-SJOSTEDT	37.5	7.01	0.94	0.19	6.6		.5	10	0	"

76D74M C&b 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F29C-R

Daily discharge, in second-feet of BALLONA CREEK at Curson Avenue, for the year ending September 30, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	6.4	2.7	40	7.3	5.4	4.5	58	6.4	10.1	4.5	5.4	4.5
2	6.4	2.7	1.8	6.4	5.4	7.3	5.4	4.5	5.4	6.4	6.4	3.6
3	5.4	3.6	1.6	5.4	7.3	5.4	5.4	5.4	5.4	4.5	7.3	3.6
4	5.4	3.6	52	4.5	6.4	4.5	5.4	5.4	7.3	5.4	6.4	4.5
5	4.5	3.6	1.6	4.5	7.3	5.4	4.5	6.4	4.5	9.2	6.4	5.4
6	5.4	5.4	9.6	5.4	6.4	3.6	5.4	6.4	4.5	9.2	8.2	5.4
7	6.4	9.2	1.4	6.4	6.4	3.6	5.4	7.3	6.4	10.0	8.2	6.4
8	6.4	8.2	1.6	6.4	6.4	3.6	5.4	35	8.2	9.2	8.2	6.4
9	5.4	8.2	4.5	6.4	6.4	5.4	6.4	143	8.2	8.2	8.2	4.5
10	5.4	6.4	5.4	5.4	7.3	7.3	6.4	3.6	8.2	7.3	8.2	6.4
11	5.4	4.5	6.4	5.4	8.2	4.5	84	3.6	6.4	8.2	9.2	6.4
12	5.4	5.4	6.4	6.4	7.3	4.5	430	3.6	5.4	8.2	7.3	5.4
13	4.5	174	7.3	9.2	6.4	4.5	88	2.7	6.4	7.3	7.3	5.4
14	4.5	208	6.4	7.3	6.4	4.5	6.4	2.7	8.2	9.2	8.2	6.4
15	3.6	1.4	6.4	6.4	6.4	4.5	6.4	3.6	8.2	9.2	5.4	5.4
16	2.7	1.4	9.2	6.4	6.4	4.5	5.4	2.7	8.2	9.2	4.5	5.4
17	3.6	7.7	16.4	5.4	7.3	4.5	6.4	4.5	8.2	9.2	4.5	4.5
18	4.5	1.4	18.2	5.3	7.3	4.5	5.4	5.4	9.2	9.2	4.5	4.5
19	3.6	1.4	22	5.1	7.3	4.5	5.4	5.4	7.3	8.2	3.6	4.5
20	3.6	1.2	16.4	5.4	9.2	5.4	5.4	4.5	5.4	8.2	4.5	3.6
21	2.7	104	6.4	5.4	7.3	4.5	5.4	4.5	6.4	7.3	3.6	4.5
22	2.7	1.6	6.4	8.2	7.3	6.4	6.4	5.4	6.4	6.4	3.6	3.6
23	2.7	1.4	21	171	111	4.5	6.4	5.4	7.3	5.4	4.5	4.5
24	3.6	1.4	35	9.2	120	4.5	6.4	6.4	6.4	3.6	4.5	5.4
25	4.5	1.7	155	380	8.2	5.4	7.3	5.4	7.3	3.6	4.5	5.4
26	4.5	1.6	23	1480	6.4	6.4	161	6.4	6.4	4.5	4.5	5.4
27	5.4	1.4	7.3	100	6.4	6.4	6.4	5.4	7.3	6.4	4.5	5.4
28	6.0	1.4	7.3	8.2	5.4	9.2	4.5	5.4	6.4	3.6	4.5	5.4
29	3.6	1.4	6.4	7.3	6.4	101	4.5	6.4	4.5	3.6	5.4	4.5
30	2.7	1.4	8.2	51		101	4.5	6.4	3.6	5.4	5.4	4.5
31	2.7		9.2	27		101		8.2		5.4	4.5	
	140.6	420.7	380.3	2213.9	307.3	174.1	963.0	327.0	203.0	215.2	181.4	150.8
MEAN	4.54	14.0	12.3	71.4	10.6	5.61	32.1	10.6	6.77	6.94	5.85	50.3
ACRE-FEET	279.	834.	754.	4390.	610.	345.	1910.	648.	403.	427.	360.	299.

Remarks:

YEAR OR PERIOD MEAN 15.5
ACRE-FEET 11,260.

76D74M Gib 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

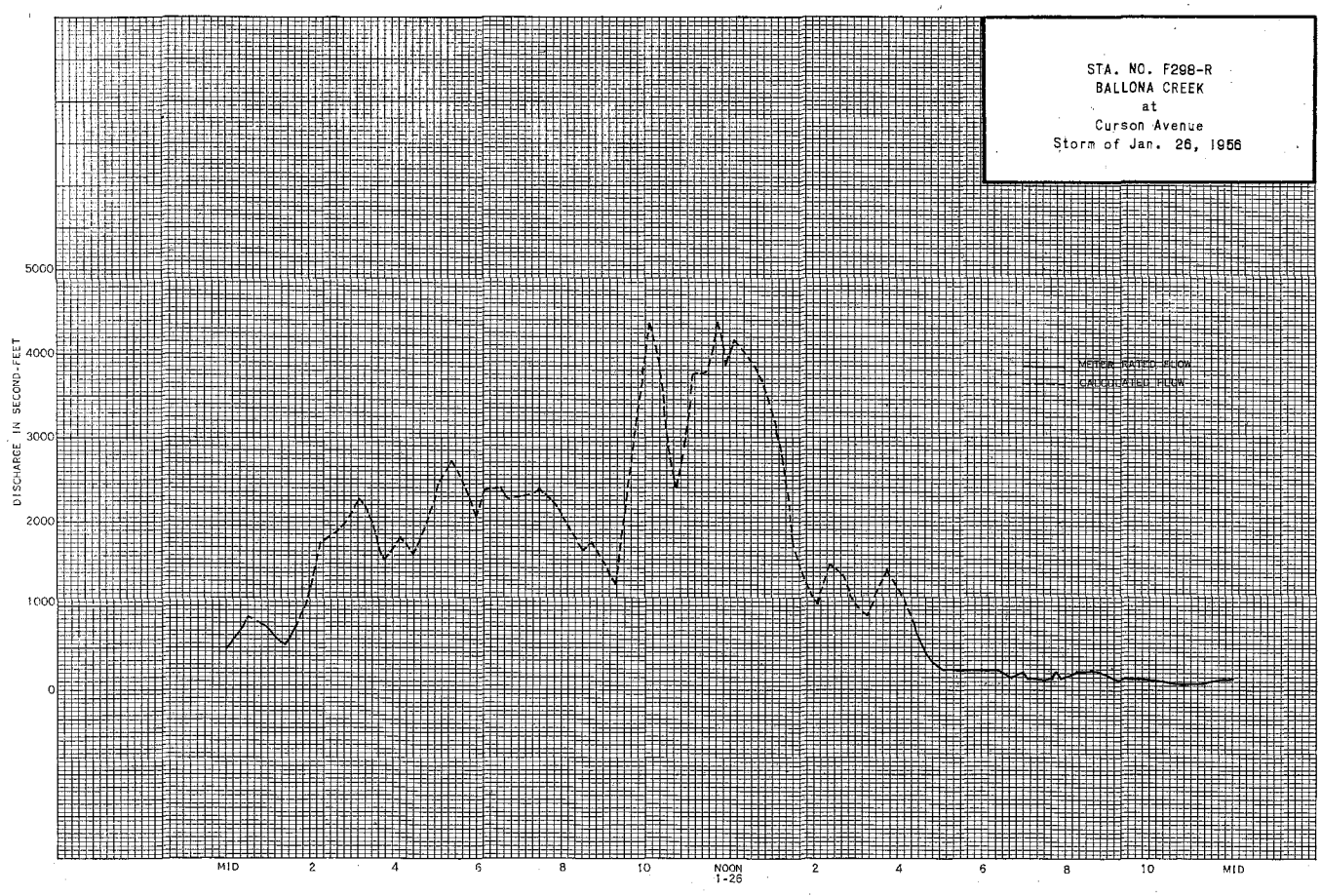
Sta. No. F298-R

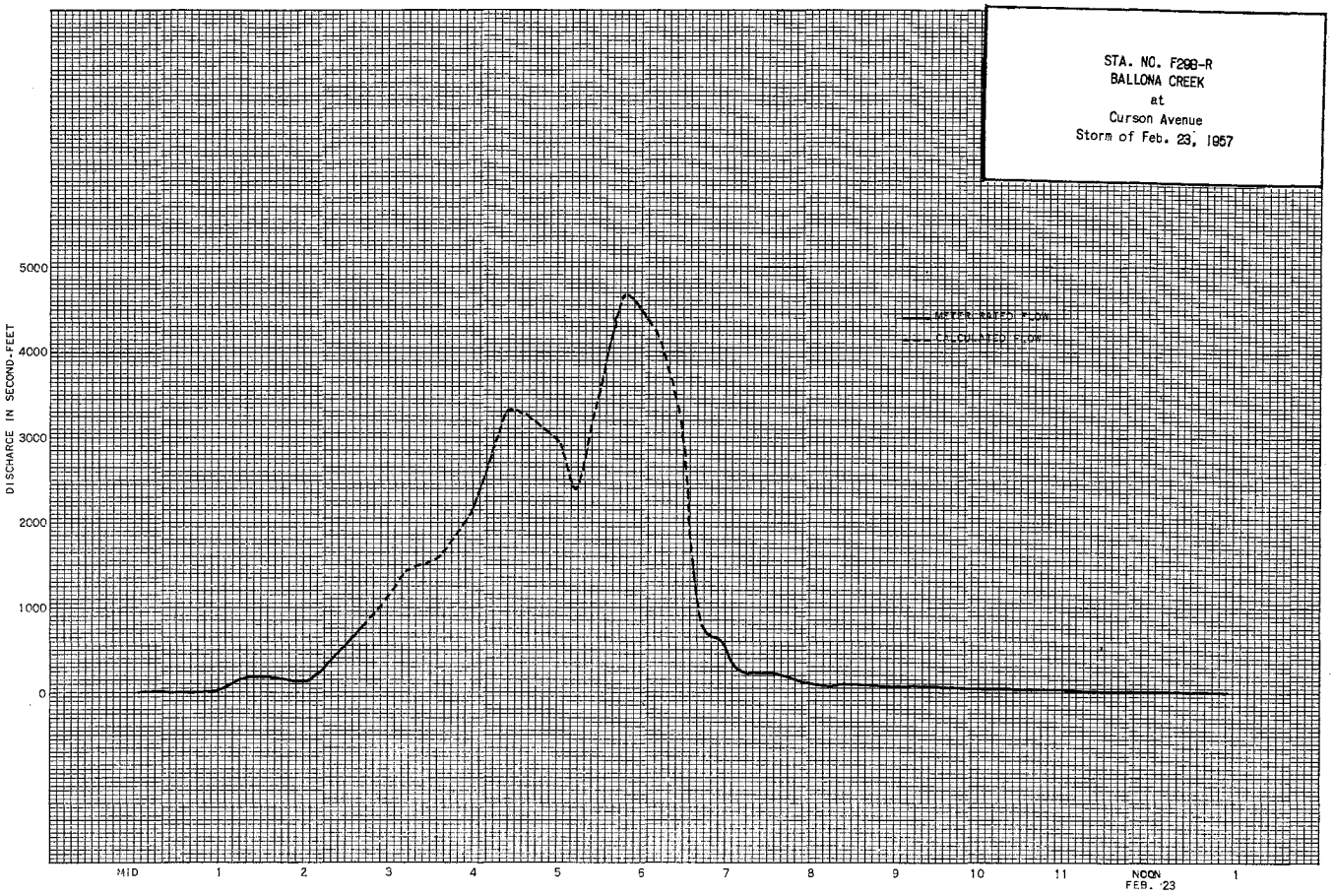
Daily discharge, in second-feet of BALLONA CREEK at Curson Avenue, for the year ending September 30, 19 57

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5.4	4.5	6.4	6.4	2.7	25	5.4	5.4	e 6.4	2.7	6.4	9.2
2	5.4	5.4	6.4	5.4	2.7	3.6	5.4	4.5	6.4	2.7	10.1	7.3
3	4.5	3.6	7.3	6.4	3.6	3.6	5.4	8.2	6.4	6.4	6.4	7.3
4	18.9	3.6	7.3	7.3	3.6	3.6	3.6	7.3	6.4	2.7	6.4	8.2
5	5.4	4.5	46	75	3.6	4.5	5.4	7.3	6.4	4.5	5.4	9.2
6	4.5	3.6	8.2	7.3	3.6	3.6	5.4	9.2	6.4	6.4	5.4	10.1
7	4.5	3.6	7.3	21	3.6	6.4	6.4	10.1	6.4	4.5	5.4	8.2
8	4.5	3.6	5.4	9.2	2.7	5.4	6.4	7.3	6.4	6.4	5.4	9.2
9	3.6	4.5	4.5	8.2	2.7	26	5.4	10.1	e 6.4	7.3	5.4	8.2
10	3.6	3.6	5.4	21	1.8	4.5	4.5	9.2	11.8	9.2	4.5	8.2
11	3.6	3.6	5.4	3.6	2.7	4.5	5.4	12.8	6.4	7.3	3.6	9.2
12	4.5	3.6	6.4	265	3.6	4.5	7.3	7.3	6.4	9.2	3.6	8.2
13	5.4	4.5	6.4	263	3.6	4.5	6.4	7.3	6.4	7.3	5.4	8.2
14	3.6	4.5	6.4	3.6	3.6	4.5	8.2	14.2	8.2	5.4	2.7	9.2
15	3.6	4.5	6.4	2.7	3.6	3.6	7.3	3.6	7.3	6.4	2.7	6.4
16	3.6	4.5	6.4	3.6	3.6	119	7.3	4.5	7.3	8.2	3.6	8.2
17	4.5	4.5	5.4	2.7	3.6	3.6	79	5.4	8.2	9.2	3.6	6.4
18	4.5	4.5	4.5	2.7	3.6	4.5	108	16.6	8.2	9.2	4.5	6.4
19	5.4	6.4	3.6	2.7	3.6	4.5	2.7	63	8.2	7.3	7.3	8.2
20	3.6	6.4	3.6	63	2.7	3.6	159	3.6	9.2	8.2	5.4	7.3
21	3.6	6.4	3.6	2.7	2.7	3.6	3.6	17.6	11.0	7.3	7.3	7.3
22	4.5	5.4	3.6	2.7	2.7	2.7	1.8	3.6	6.4	6.4	7.3	6.4
23	3.6	6.4	2.7	16.6	508	2.7	1.8	4.5	7.3	6.4	8.2	8.2
24	3.6	4.5	3.6	29	7.9	2.7	2.7	7.3	8.2	6.4	7.3	8.2
25	3.0	3.6	4.5	129	4.5	3.6	1.8	6.4	7.3	6.4	9.2	9.2
26	4.5	3.6	5.4	90	4.5	3.6	2.7	7.3	7.3	6.4	6.4	9.2
27	4.5	4.5	5.4	39	4.5	3.6	3.6	8.2	5.4	7.3	6.4	10.1
28	4.5	4.5	6.4	70	158	3.6	1.8	10.1	5.4	6.4	6.4	10.1
29	4.5	4.5	7.3	93		6.4	2.7	5.4	1.8	8.2	8.2	10.1
30	4.5	6.4	7.3	2.7		4.5	3.6	6.4	1.8	9.2	8.2	8.2
31	3.6		7.3	1.8		5.4		e 6.4		8.2	8.2	
	147.6	137.3	216.8	1077.2	757.6	285.4	470.0	300.1	207.1	209.1	186.3	249.8
MEAN	4.76	4.57	6.99	34.7	27.1	9.21	15.7	9.68	6.90	6.75	6.01	8.33
ACRE-FEET	293.	272.	430.	2140.	1500.	566.	932.	595.	411.	415.	370.	495.

Remarks:

YEAR OR PERIOD MEAN 11.6
ACRE-FEET 8420.





STATION F38B-R
BALLONA CREEK at Sawtelle Boulevard

LOCATION: WATER STAGE RECORDER, LAT. 33°59'48", LONG 118°24'07", ON THE DOWNSTREAM SIDE OF SAWTELLE BOULEVARD BRIDGE, ABOUT 1.5 MILES SOUTH OF CULVER CITY, ELEVATION OF ZERO GAGE HEIGHT, 11.26 FEET. FORMER STATION F38-R WAS AT CENTINELA BOULEVARD, 1 MILE DOWNSTREAM.

DRAINAGE AREA: 88.6 SQUARE MILES. (PREVIOUS TO OCTOBER 1950, DRAINAGE WAS 111. SQUARE MILES.)

CHANNEL AND CONTROL: CHANNEL - HEAVY ADOBE OVERLAID WITH COARSE GRAVEL AND SAND WITH ROCK-PAVED GUNITED LEVEES ON A 3 TO 1 SLOPE. CONTROL - A CONCRETE STABILIZER WAS INSTALLED DECEMBER 23, 1946 ABOUT 30 FEET BELOW STATION.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM CABLE CAR 300 FEET ABOVE STATION.

RECORDER: INSTALLED AT STATION F38-R FEBRUARY 27, 1928. RECORDER REMOVED APRIL 27, 1936. INSTALLED AT STATION F38B-R MAY 14, 1936 OVER AN 18-INCH DIAMETER CORRUGATED IRON PIPE STILLING WELL. A STEVENS A-35 RECORDER WAS IN SERVICE FROM OCTOBER 1, 1955 TO SEPTEMBER 30, 1957.

REGULATION: STONE CANYON RESERVOIR PRIOR TO JANUARY 1951, UPPER AND LOWER FRANKLIN CANYON RESERVOIRS, HOLLYWOOD RESERVOIR, SILVER LAKE RESERVOIR, AND BALDWIN HILLS RESERVOIR.

DIVERSIONS: SOME SMALL PUMPING DIVERSIONS FOR IRRIGATION.

RECORDS AVAILABLE: AT STATION F38-R - FEBRUARY 27, 1928 TO APRIL 27, 1936; AT STATION F38B-R - MAY 14, 1936 TO SEPTEMBER 30, 1957.

EXTREMES OF DISCHARGE:

1955-56
MAXIMUM 18700 SECOND-FEET, JANUARY 26.
MINIMUM 5.2 SECOND-FEET, NOVEMBER 11 AND 13.

1956-57
MAXIMUM 13860 SECOND-FEET, FEBRUARY 23.
MINIMUM 6.3 SECOND-FEET, MAY 26.

1928-57 (STATIONS F38-R AND F38B-R)
MAXIMUM 19000 SECOND-FEET, MARCH 2, 1938. (1712 CFS PER SQUARE MILE).
MAXIMUM 18900 SECOND-FEET FEBRUARY 13, 1954 (2133 CFS PER SQUARE MILE).
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: GOOD.

OPERATION: LOCATED AND CONSTRUCTED BY THE LOS ANGELES COUNTY FLOOD CONTRDL DISTRICT AND OPERATED IN COOPERATION WITH THE CORPS OF ENGINEERS, DEPARTMENT OF THE ARMY AND WITH THE U.S.G.S. WATER RESOURCES BRANCH.

DISCHARGE MEASUREMENTS OF BALLONA CREEK

AT OR NEAR Sawtelle Boulevard 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.
2377	10/6	0935 / 1000	DE MARS - SCOTT	16.0	6.70	1.03	2.63	6.9		.5/.6	18	0	FC48
2378	10/13	0825 / 0845	DE MARS	15.8	6.44	0.95	2.59	6.1		.5/.6	13	0	"
2379	10/20	1420 / 1433	"	16.0	7.28	1.14	2.62	8.3		.5/.6	11	0	"
2380	10/27	1500 / 1518	"	16.0	7.21	0.96	2.61	6.9		.5/.6	11	0	FC34
2381	11/3	1320 / 1335	"	15.5	7.54	0.88	2.62	6.6		.5/.6	11	+.01	FC48
2382	11/10	1520 / 1532	"	16.0	6.50	1.00	2.66	6.5		.5/.6	11	0	
2383	11/14	1000 / 1015	DE MARS - GARDNER	40.0	36.3	2.52	3.40	91.6		.5/.6	14	-.04	FC34
2384	11/17	1008 / 1020	DE MARS - CAIRE	26.5	11.4	1.65	2.85	18.8		.5/.6	17	+.01	"
2385	11/21	1330 / 1350	DE MARS	90.0	333.	4.84	6.47	1612.		.6	11	+.05	"
2386	11/23	0845 / 1003	"	14.7	4.38	1.53	2.47	6.7		.5	17	0	FC48
2387	12/1	1445 / 1500	"	15.0	5.54	1.41	2.49	7.8		.5	11	+.01	"
2388	12/4	0920 / 0935	"	77.0	165.	3.45	4.58	569.		.6	10	-.14	FC34
2389	12/8	0940 / 0954	"	18.0	7.80	0.81	2.45	6.3		.5	12	0	FC48
2390	12/15	1440 / 1453	"	18.1	8.65	0.91	2.52	7.9		.5/.6	11	0	"
2391	12/22	1437 / 1450	"	17.8	8.23	0.91	2.48	7.5		.5/.6	12	+.01	"
2392	12/29	1522	"	18.3	8.45	1.47	2.63	12.4		.5/.6	12	0	"
2393	1/5	1320 / 1335	"	19.0	8.84	1.04	2.60	9.2		.5/.6	12	0	"
2394	1/12	1340 / 1540	"	18.0	9.29	0.75	2.56	7.0		.5/.6	12	0	"
2395	1/19	1525 / 1540	"	18.7	7.20	0.85	2.55	6.1		.5	11	0	"
2396	1/25	0925 / 0945	"	81.0	211.6	3.50	5.12	741.		.6	10	+.08	FC34
2397	1/25	1125 / 1145	"	98.0	479.6	5.75	8.12	2760.		.6	11	+.65	"
2398	1/25	1940 / 1953	DE MARS - CAIRE	96.0	416.	5.79	7.46	2410.		.6	11	-.12	"
2399	1/26	1640 / 1655	" " "	105.0	513.5	6.60	8.31	3390.		.6	12	-.02	"
2400	1/27	1245 / 1300	DE MARS	46.5	49.3	2.19	2.98	108.		.6	11	0	"
2401	1/30	2330 / 2345	DE MARS - CAIRE	89.0	344.	5.06	6.51	1740.		.6	10	-.08	FC34
2402	1/31	1301 / 1335	DE MARS	32.0	22.1	1.67	2.50	37.0		.5/.6	17	-.04	"
2403	2/2	1625 / 1642	FALCONE - DE MARS	22.2	9.57	1.36	2.25	13.0		.5	13	0	FC48
2404	2/9	1541 / 1557	HOLLERON - DE MARS	22.5	9.58	1.52	2.28	14.6		.5	12	0	FC34
2405	2/16	1522 / 1532	" "	19.6	6.28	1.34	2.18	8.4		.5/.6	10	0	FC48
2406	2/23	0920 / 0930	" "	79.0	169.	3.27	4.30	552.		.6	9	+.03	FC34
2407	2/23	1503 / 1516	" "	79.0	201.	3.33	5.00	669.		.6	9	-.13	"
2408	2/23	1557 / 1605	" "	80.0	222.	3.88	5.26	862.		.6	9	-.04	"
2409	2/23	2054 / 2103	" "	43.5	41.9	1.35	2.69	56.4		.5/.6	9	-.02	"
2410	2/24	1022 / 1037	" "	53.0	59.3	2.04	3.03	121.		.6	15	-.08	FC56
2411	3/1	0926 / 0937	" "	17.9	7.23	1.16	2.29	8.4		.5	11	0	"
2412	3/8	0900 / 0918	HOLLERON	18.0	6.51	1.30	2.28	8.5		.5	11	0	FC48
2413	3/15	0916 / 0929	HOLLERON	18.8	7.09	1.23	2.28	8.7		.5	11	0	FC48
2414	3/22	0840 / 0854	HOLLERON - LINDSAY	18.0	6.61	1.24	2.28	8.2		.5	11	0	"
2415	3/28	1557 / 1613	HOLLERON	21.5	9.37	1.48	2.32	13.9		.5	13	0	"
2416	4/5	0852 / 0907	"	16.5	7.38	1.22	2.12	9.0		.5/.6	14	0	"
2417	4/12	1114 / 1140	HOLLERON - CAIRE	79.0	222.	3.64	5.23	808.		.6	17	0	FC34
2418	4/12	2233 / 2249	" "	89.0	328.	5.02	6.52	1647.		.6	11	-.14	FC34
2419	4/13	1825 / 1840	SJOSTEDT	79.0	224.	3.95	5.22	884.		.6	9	-.25	FC47
2420	4/14	1345 / 1358	HOLLERON	17.5	8.90	1.56	2.05	13.9		.5/.6	11	0	FC34
2421	4/19	1030 / 1050	"	13.5	6.96	1.54	2.01	10.7		.5/.6	12	0	FC48
2422	4/26	1055 / 1112	"	91.0	327.	4.97	6.72	1625.		.6	11	-.25	FC34
2423	4/26	1705 / 1716	HOLLERON - CAIRE	46.0	42.4	1.35	2.43	57.1		.6	12	-.04	"
2424	4/27	0808 / 0830	HOLLERON	27.5	15.7	1.81	2.16	28.4		.5/.6	15	-.03	"
2425	5/3	0935 / 0949	"	21.0	8.58	1.33	1.97	11.4		.5/.6	12	0	FC48
2426	5/8	2337 / 2358	HOLLERON - CAIRE	66.0	192.	4.13	4.85	793.		.6	13	0	FC34
2427	5/9	0900 / 0908	HOLLERON	71.0	175.	3.03	4.55	531.		.6	8	0	"
2428	5/10	1025 / 1041	"	22.0	7.78	1.44	1.98	11.2		.5	12	0	FC48
2429	5/17	0932 / 0950	"	14.0	7.08	1.57	2.00	11.1		.5/.6	13	0	"
2430	5/24	0830 / 0846	"	13.0	6.20	1.48	1.98	9.2		.5/.6	12	0	"
2431	5/31	0905 / 0930	"	25.5	12.6	1.53	2.10	19.3		.5/.6	16	-.01	"
2432	6/7	0810 / 0820	"	13.0	7.22	1.26	1.98	9.1		.5/.6	12	0	"
2433	6/13	0816 / 0836	"	22.0	10.5	0.95	2.03	10.0		.5/.6	12	0	"
2434	6/20	0810 / 0828	"	15.0	10.5	0.84	2.04	8.8		.5/.6	13	0	"
2435	6/27	0810 / 0830	"	19.0	9.59	1.00	2.22	9.6		.5	14	0	"
2436	7/6	0830 / 0850	"	26.0	15.9	0.60	2.30	9.6		.5/.6	15	0	"
2437	7/11	0805 / 0825	"	24.0	13.7	0.63	2.24	8.6		.5/.6	14	0	"
2438	7/19	0820 / 0840	"	24.5	11.9	0.82	2.18	9.7		.5/.6	15	0	"
2439	7/26	0725 / 0745	"	24.0	12.1	0.83	2.17	10.0		.5/.6	15	0	
2440	8/2	0830 / 0850	"	15.0	8.65	1.06	2.12	9.2		.5/.6	12	0	"
2441	8/8	0810 / 0830	"	15.0	8.02	1.18	2.04	9.5		.5/.6	14	0	"
2442	8/15	0930 / 0950	HOLLERON - SADDORIS	15.0	7.06	1.57	2.07	11.1		.5	15	0	"
2443	8/22	0825 / 0845	HOLLERON	15.0	6.92	1.26	2.03	8.7		.5/.6	15	0	"
2444	8/30	0745 / 0800	SJOSTEDT	12.0	7.29	1.26	2.03	9.2		.5/.6	13	0	FC47
2445	9/6	0924 / 0942	"	10.8	8.52	1.26	2.08	10.7		.6	12	0	"
2446	9/13	0925 / 0941	"	10.6	8.22	1.48	2.11	12.2		.6	12	0	"
2447	9/20	0940 / 0958	"	9.5	7.02	1.28	2.04	9.0		.6	11	0	FC50
2448	9/27	0842 / 0900	FALCONE - SJOSTEDT	10.1	8.45	1.20	2.06	10.2		.6	12	0	"

DISCHARGE MEASUREMENTS OF BALLONA CREEK

AT NEAR Sawtelle Boulevard 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	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
2448	10/4	0950 / 1009	SJCSTEDT	21.5	33.2	1.53	2.31	51.3		.6	13	-.02	FC47
2449	10/11	0925 / 0938	"	8.5	6.02	1.41	1.93	8.5		.6	10	0	FC50
2450	10/18	0910 / 0925	"	8.3	5.99	1.34	1.94	8.0		.6	10	0	"
2451	10/25	0847 / 0859	"	8.4	6.60	1.27	1.96	8.4		.6	11	0	"
2452	11/1	0922 / 0934	"	8.3	6.24	1.23	1.94	7.7		.6	10	0	"
2453	11/8	0915 / 0910	"	9.3	7.11	1.17	1.97	8.4		.5/.6	11	0	"
2454	11/15	0915 / 0925	"	26.0	15.9	1.19	2.12	19.0		.6	8	0	"
2455	11/21	0900 / 0914	"	10.5	8.42	0.95	1.99	8.0		.5/.6	13	0	"
2456	11/29	0925 / 0940	"	10.0	8.02	1.11	1.99	8.9		.6	11	0	"
2457	12/6	0837 / 0850	"	11.0	5.87	1.80	2.00	10.6		.5/.6	13	-.01	FC47
2458	12/13	0935 / 0950	"	10.5	5.42	1.57	1.96	8.5		.5/.6	15	0	FC50
2459	12/20	0835 / 0850	"	10.5	5.39	1.39	1.95	7.5		.5/.6	12	0	"
2460	12/28	1400 / 1420	HOLLERON	13.0	6.73	1.46	1.98	9.8		.5/.6	14	+.01	FC48
2461	1/3	0850 / 0908	SJOSTEDT	12.0	5.79	1.35	1.97	7.8		.6	13	0	FC50
2462	1/5	0700 / 0713	GODFREY-THOMPSON	73.0	132.	2.54	3.88	336.		.6	8	-.45	FC28
2463	1/10	0320 / 0330	" "	56.0	96.6	2.28	3.45	220.		.6	7	-.03	"
2464	1/12	2025 / 2043	" "	78.0	237.	3.85	4.98	912.		.6	11	+.25	"
2465	1/12	2150 / 2235	" "	112.0	682.	7.52	9.57	5130.		.6	13	-.82	"
2466	1/13	0005 / 0038	" "	122.0	791.	8.90	10.29	7040.		.6	14	+.05	"
2467	1/13	0640 / 0655	" "	74.0	141.	3.94	4.50	557.		.6	9	-.24	"
2468	1/13	0745 / 0755	" "	70.0	116.	3.19	4.11	370.		.6	10	-.47	"
2469	1/17	0920 / 0928	SJOSTEDT	26.0	16.0	1.75	2.16	28.		.6	7	0	FC50
2470	1/21	0903 / 0905	"	25.0	11.6	1.00	2.33	11.6		.5/.6	6	0	FC47
2471	1/24	0915 / 0926	"	76.0	101.	2.74	3.62	277.		.6	10	-.05	"
2472	1/31	0845 / 0900	WOOD-SJOSTEDT	19.0	6.82	1.48	2.44	10.1		.5/.6	12	0	FC50
2473	2/7	0905 / 0915	SJOSTEDT	17.0	5.49	1.69	2.43	9.3		.5/.6	9	0	"
2474	2/14	0845 / 0855	"	15.8	7.48	1.26	2.44	9.4		.5/.6	9	0	"
2475	2/21	0907 / 0918	"	16.5	6.99	1.27	2.43	8.9		.5/.6	10	0	"
2476	2/23	0557 / 0634	GODFREY-THOMPSON	135.	1055.	11.5	13.50	12100.		.6	14	+.85 / -.30	FC28
2477	2/23	0545 / 0707	" "	126.	892.	9.44	11.60	8420.		.6	11	-3.60	"
2478	2/28	0850 / 0900	SJOSTEDT	21.0	7.76	1.94	2.10	15.0		.5/.6	11	0	FC47
2479	3/7	1000 / 1015	"	14.0	8.41	1.59	2.22	13.4		.5/.6	11	0	FC50
2480	3/14	0852 / 0900	ROY-SJOSTEDT	29.0	21.8	1.72	2.47	37.4		.6	9	0	"
2481	3/21	0903 / 0915	MC BRIDE-SJOSTEDT	21.0	11.5	0.87	2.08	10.0		.5/.6	12	0	"
2482	3/28	0825 / 0840	SJOSTEDT	21.0	10.4	0.80	2.14	8.3		.6	11	0	"
2483	4/4	0935 / 0950	"	21.5	9.97	0.82	2.13	8.2		.5/.6	12	0	"
2484	4/11	0840 / 0855	"	21.5	10.8	0.89	2.14	9.6		.5/.6	12	0	"
2485	4/25	0900 / 0920	"		CHANNELS		2.07	7.9		.5/.6	14	0	"
2486	5/2	0910 / 0925	SJOSTEDT	20.0	6.62	1.12	2.08	7.4		.5/.6	12	0	FC50
2487	5/9	0850 / 0902	"	21.0	6.77	1.28	2.11	8.7		.5/.6	10	0	"
2488	5/16	0855 / 0910	BROOK-SJOSTEDT	15.0	5.78	1.24	2.05	7.2		.5/.6	9	0	"
2489	5/23	0920 / 0935	SJOSTEDT	20.0	7.59	1.01	1.98	7.7		.5/.6	11	0	"
2490	5/29	0950 / 1000	"	20.0	8.34	0.91	1.99	7.6		.5/.6	10	0	"
2491	6/6	0815 / 0830	"	20.5	7.90	0.92	1.98	7.3		.6	12	0	"
2492	6/13	0855 / 0908	WOOD-SJOSTEDT	20.5	8.55	0.94	1.98	8.0		.5/.6	10	0	"
2493	6/27	0920 / 0928	" "	19.5	7.13	1.08	2.00	7.7		.6	9	0	"
2494	7/5	0855 / 0915	WOOD	21.0	8.37	0.75	2.04	6.3		.5	9	0	"
2495	7/11	0918 / 0930	SJOSTEDT	18.0	10.6	0.79	2.07	8.4		.6	10	0	"
2496	7/18	0825 / 0850	"		CHANNELS			7.0		.5/.6	13		"
2497	7/22	0815 / 0830	"	21.0	9.34	0.74		6.9		.5/.6	12		"
2498	7/25	0925 / 0940	"	17.0	9.54	0.73		7.0		.5/.6	11		"
2499	7/29	0810 / 0825	"	19.0	10.1	0.76		7.7		.5/.6	11		"
2500	8/1	0810 / 0820	"	17.0	9.6	0.86		8.3		.6	10		"
2501	8/8	0927 / 0936	WOOD	19.0	7.23	1.00		7.2		.5	8		"
2502	8/12	0820 / 0832	SJOSTEDT-WOOD	22.0	10.1	0.75		7.6		.5	12		"
2503	8/15	0845 / 0900	SJOSTEDT	22.0	9.76	0.76		7.8		.5/.6	12		"
2504	8/19	0805 / 0820	"	22.0	10.6	0.70		7.4		.6	12		"
2505	8/22	0825 / 0840	"	22.0	10.7	0.79		8.5		.5/.6	12		"
2506	8/26	0810 / 0825	"	22.0	9.94	0.76		7.6		.5/.6	12		"
2507	8/29	0815 / 0830	"	22.0	10.1	0.77		7.8		.5/.6	12		"
2508	9/3	0800 / 0815	"	22.0	9.88	0.70		7.1		.5/.6	12		"
2509	9/5	0830 / 0845	"	22.0	9.68	0.77		7.5		.5/.6	12		"
2510	9/12	0810 / 0825	ROY-SJOSTEDT	23.5	10.5	0.72		7.6		.6	13		"
2511	9/16	0815 / 0830	SJOSTEDT	22.0	9.78	0.67		6.6		.6	12		"
2512	9/19	0823 / 0840	SARASUA-SJOSTEDT	23.0	10.5	0.73		7.7		.6	13		"
2513	9/26	0955 / 1012	WOOD	22.0	11.3	1.08		12.2		.6	12		FC47
2514	9/30	0824 / 0836	SJOSTEDT-WOOD	24.0	10.4	0.92		9.6		.5	13		FC50

76DT4M 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, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	7.1	8.0	151	9.2	14	8.8	66	12	14	15	11	11
2	7.9	7.5	11	8.4	14	9.2	14	14	13	19	12	10
3	7.5	7.1	6.3	8.4	12	8.8	14	14	12	15	13	10
4	7.9	8.4	209	8.0	11	8.4	10	13	15	16	12	10
5	8.0	8.8	9.6	8.8	11	9.2	10	13	13	17	10	12
6	8.0	8.4	37	9.1	12	9.6	10	13	14	12	14	12
7	8.4	7.1	10	8.4	12	8.8	10	13	13	12	12	10
8	8.4	5.9	7.1	8.0	12	9.2	9.6	69	12	11	12	10
9	8.0	5.6	7.1	7.1	13	8.8	11	436	12	12	12	10
10	8.7	5.9	6.7	7.1	12	9.6	9.2	12	12	11	12	12
11	8.0	5.2	7.1	8.0	12	9.2	213	10	12	12	12	12
12	7.1	5.6	7.5	7.5	10	11	1290	11	12	13	12	12
13	7.5	5.2	7.1	8.8	10	10	246	9.6	12	10	14	12
14	8.0	836	6.7	8.0	9.6	10	16	12	13	10	12	13
15	8.8	11	7.5	8.0	9.2	9.6	12	14	12	10	14	12
16	7.1	8.4	8.0	8.0	8.8	11	12	12	12	13	12	12
17	8.0	42	7.5	7.5	9.6	11	12	12	12	12	12	12
18	8.8	9.0	7.1	6.3	9.6	11	12	14	12	13	11	11
19	8.8	7.5	8.0	6.7	9.6	12	12	13	13	13	10	10
20	8.4	7.1	9.6	6.3	11	10	9.6	12	9.6	13	12	10
21	8.4	412	8.8	5.9	10	10	10	12	9.6	14	10	12
22	8.4	10	8.8	6.3	10	9.6	9.6	12	9.2	12	10	11
23	7.5	8.0	61	25	333	10	10	11	8.8	14	12	10
24	7.5	6.7	55	5.6	38	10	10	12	8.4	13	12	11
25	8.0	8.8	45	1604	10	11	10	10	10	13	10	12
26	7.1	7.1	76	6510	8.8	14	439	12	11	14	10	12
27	7.1	8.0	17	322	9.2	14	24	10	12	14	12	12
28	8.4	9.2	11	20	9.6	14	10	12	15	12	10	11
29	7.5	10	6.3	16	9.2	13	12	12	12	10	10	11
30	8.0	8.0	11	145		14	12	12	14	13	12	10
31	7.5		14	134		13		15		11	12	
	245.8		884.8	660.2		2565.0		359.6		361.		
		1497.5		8951.4		327.8		858.6		399.		335.
MEAN	7.93	49.9	28.5	289.	22.8	10.6	85.5	27.7	12.0	12.9	11.6	11.2
ACRE-FEET	488.	2970	1750.	17750.	1310.	650.	5090.	1700.	713.	791.	716.	664.

Remarks:

YEAR OR PERIOD MEAN 44.7
ACRE-FEET 34590.

76DT4M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

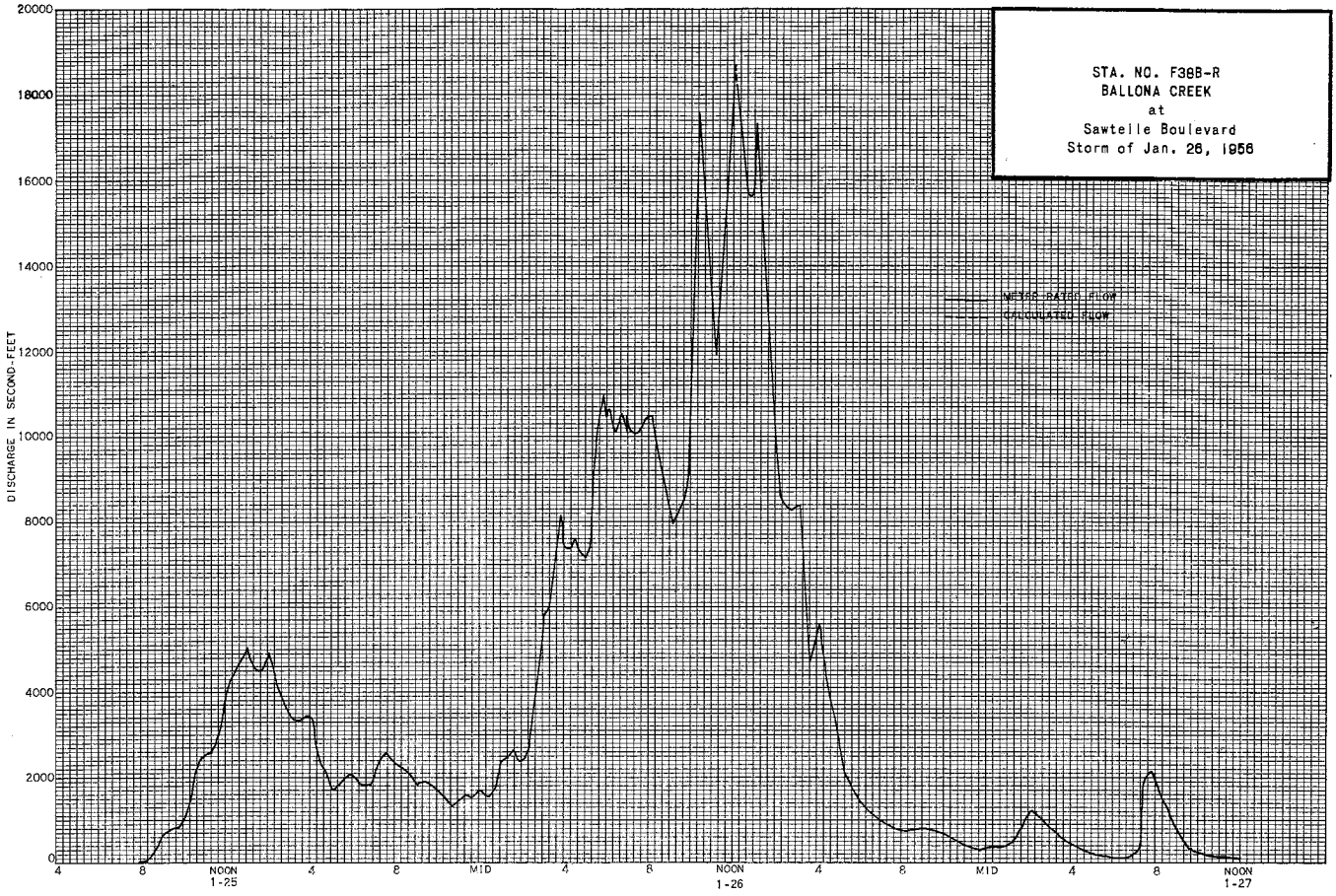
Sta. No. F38B-R

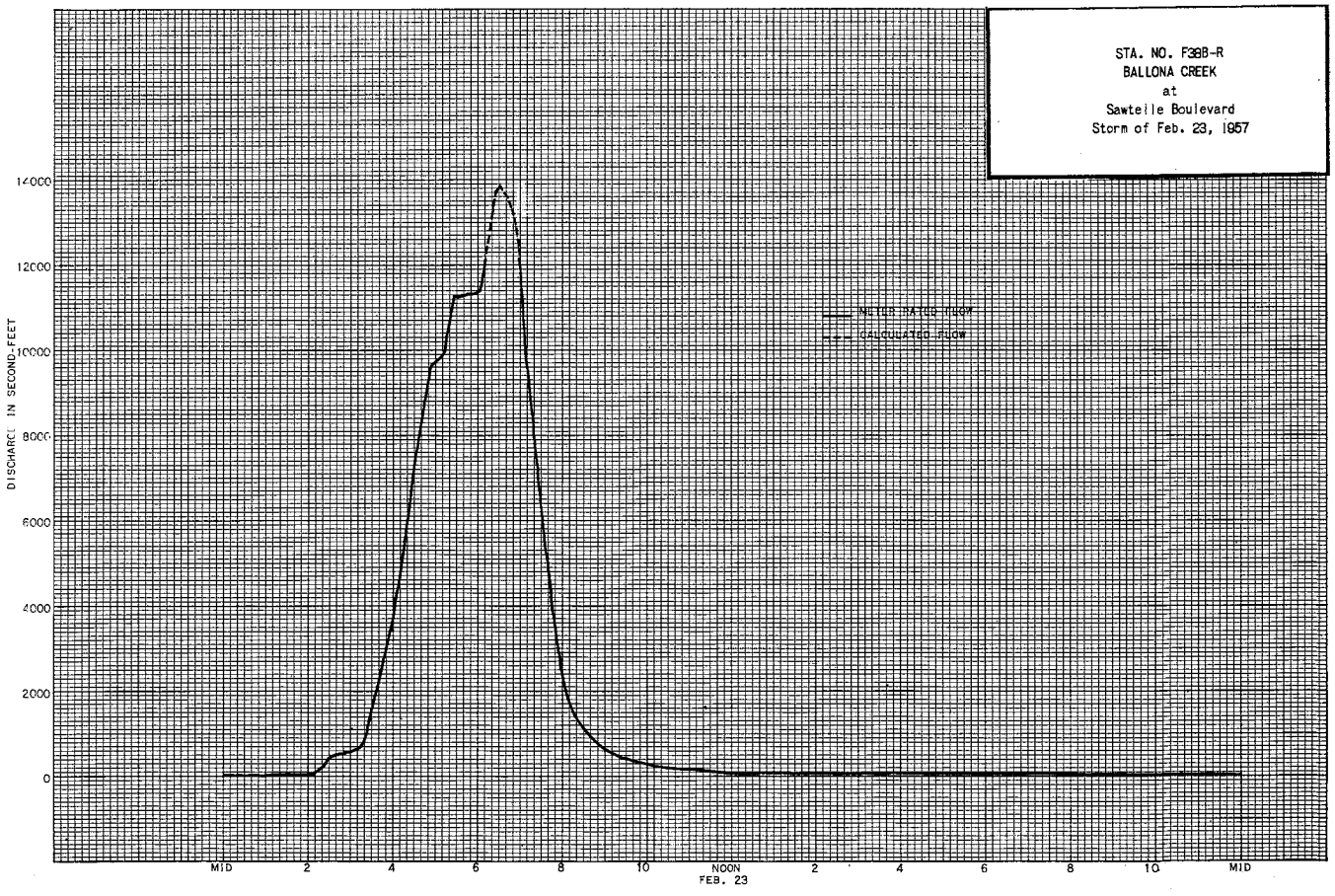
Daily discharge, in second-feet of BALLONA CREEK at Sawtelle Boulevard for the year ending September 30, 1957

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	10	9.6	12	8.0	10	99	12	10	9.6	10	e 9.8	e 9.0
2	10	11	9.2	9.2	13	15	9.2	8.4	7.5	11	9.7	8.8
3	12	8.4	10	8.8	12	14	9.2	9.6	9.2	10	9.5	8.6
4	54	7.5	9.6	9.2	12	14	9.2	8.4	9.6	7.5	9.3	8.8
5	12	8.0	188	190	10	14	10	8.4	9.2	8.4	9.1	9.0
6	12	8.4	15	9.2	10	14	9.6	8.8	8.8	9.6	8.9	9.0
7	8.8	8.8	10	23	10	14	9.6	9.6	8.8	8.0	8.8	9.0
8	8.6	12	8.4	16	10	10	11	9.6	8.8	8.8	8.7	9.0
9	a 8.8	12	8.4	9.2	10	82	11	12	8.8	11	8.8	9.1
10	8.9	10	8.8	40	10	24	10	10	18	11	8.9	9.1
11	8.9	8.8	9.6	9.2	10	23	11	16	9.2	9.6	9.0	9.1
12	9.0	12	9.2	680	10	23	12	10	9.6	10	9.1	9.1
13	9.0	14	9.2	1190	12	30	10	9.6	9.2	12	9.2	8.8
14	9.1	16	10	12	11	36	11	21	11	10	9.2	8.6
15	9.1	15	9.2	12	12	37	12	8.0	8.8	12	9.3	8.4
16	9.2	14	8.8	12	19	348	10	8.4	8.0	10	9.2	8.1
17	a 9.2	11	9.2	10	17	14	202	8.4	9.6	e 9.2	9.1	8.5
18	9.2	10	9.2	8.4	17	15	354	12	11	8.5	9.0	8.9
19	8.4	12	9.2	8.0	13	22	8.8	174	11	8.5	8.9	9.2
20	a 8.6	9.6	8.4	189	10	12	462	b 8.0	10	8.5	9.3	9.8
21	a 8.8	9.6	8.4	11	10	11	17	24	12	8.4	9.7	10
22	a 9.0	9.6	8.4	12	9.1	10	9.6	b 8.0	9.2	8.4	10	11
23	9.2	11	8.4	39	1790	10	10	8.8	8.8	8.4	9.8	12
24	a 9.2	8.8	8.4	83	19	8.0	10	8.8	9.6	8.5	9.6	12
25	a 9.2	7.1	8.0	40	16	9.2	8.8	7.1	10	8.5	9.4	13
26	9.2	8.8	9.2	419	14	8.8	9.2	6.3	11	8.7	9.1	14
27	8.4	9.6	9.6	120	14	8.8	11	8.4	10	8.9	9.2	13
28	8.4	9.6	10	44	394	9.2	8.4	9.2	10	9.1	9.2	12
29	8.4	10	10	447		11	8.8	8.0	8.8	9.2	9.3	12
30	9.2	10	9.2	12		9.2	8.8	7.5	8.0	9.4	9.2	e 11
31	8.4		9.2	10		9.2		9.2		e 9.6	e 9.1	
	332.4		470.2	2504.1		1295.2		293.1		286.4		
		312.2		36902		964.4		475.5		290.7		297.9
MEAN	10.7	10.4	15.2	119.	89.5	31.1	43.2	15.3	9.77	9.38	9.24	9.93
ACRE-FEET	659.	619.	933.	7320.	4970.	1910.	2570.	943.	581.	574.	568.	591.

Remarks:

YEAR OR PERIOD MEAN 30.7
ACRE-FEET 22,240.


STA. NO. F38B-R
BALLONA CREEK
at
Sawtelle Boulevard
Storm of Jan. 26, 1956
METER RATED FLOW
CALCULATED FLOW
DISCHARGE IN SECOND-FEET
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
4
8
NOON
1-25
4
8
MID
4
8
NOON
1-26
4
8
MID
4
8
NOON
1-27


STA. NO. F38B-R
BALLONA CREEK
at
Sawtelle Boulevard
Storm of Feb. 23, 1957
METER RATED FLOW
CALCULATED FLOW
DISCHARGE IN SECOND-FEET
14000
12000
10000
8000
6000
4000
2000
0
MID
2
4
6
8
10
NOON
FEB. 23
2
4
6
8
10
MID

STATION F282-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 -2.54 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, 1957.

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 DOWN-STREAM 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: INSTALLED JUNE 3, 1940 OVER AN 18-INCH CORRUGATED IRON PIPE STILLING WELL. REINSTALLED 200 FEET DOWNSTREAM OVER A 4 FT. X 4 FT. CONCRETE WELL DECEMBER 23, 1946. AN H.C.F. RECORDER WAS IN SERVICE FROM OCTOBER 1, 1955 TO SEPTEMBER 30, 1957.

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, 1957.

EXTREMES OF DISCHARGE:
1955-56
MAXIMUM 37, SECOND-FEET, AUGUST 8.
MINIMUM NO FLOW MOST OF YEAR.
1956-57
MAXIMUM 18, SECOND-FEET, NOVEMBER 9.
MINIMUM NO FLOW MOST OF YEAR
1940-57
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~~ NEAR below Big Dalton 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.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
346	11/7	0837 / 0846	MIDDLETON-SADDORIS	5.6	2.53	2.69	0.78	6.8		.6	11	0	FC54
347	11/7	0928 / 0935	" "	6.3	3.36	2.50	0.88	8.4		.6	13	-.33	"
348	11/8	0738 / 0758	MIDDLETON	7.0	3.17	2.97	1.00	9.4		.6	15	0	"
349	11/9	0833 / 0846	MIDDLETON-GREEN	11.5	3.98	2.81	1.20	11.2		.6	14	0	"
350	11/9	1554 / 1608	" "	11.5	4.95	3.01	1.30	14.9		.6	15	0	"
351	8/7	0830 / 0845	SADDORIS-FALCONE	10.1	7.01	5.85	1.72	41.0		.6	11	+.02	"
352	8/7	0910 / 0917	" "	11.5	7.01	5.16	1.72	36.2		.6	11	-.02	"
353	8/7	1347 / 1405	ROY-FALCONE	6.2	3.1	3.84	1.04	11.9		.6	11	0	"
354	8/7	1416 / 1435	" "	9.2	3.35	3.31	1.04	11.1		.6	10	0	"
355	8/7	1628 / 1640	SADDORIS-FALCONE	10.6	6.34	4.64	1.62	29.4		.6	12	-.02	"
356	8/8	0950 / 1018	SADDORIS	10.0	6.88	4.80	1.65	33.0		.6	11	0	"
357	8/8	1500 / 1519	"	9.4	7.52	3.99	1.63	30.0		.6	11	0	"
358	8/9	0820 / 0841	"	9.8	7.15	3.69	1.60	26.4		.6	12	0	"
359	8/9	1600 / 1615	"	9.2	6.33	3.57	1.59	22.6		.6	11	0	"
360	8/10	0706 / 0718	"	9.1	6.19	3.18	1.54	19.7		.6	11	0	"

DISCHARGE MEASUREMENTS OF BIG DALTON CREEK

~~AT~~ NEAR below Big Dalton Dam 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.	G. HT. CHANGE TOTAL	METER NO.
361	11/9	0633 / 0650	MIDDLETON-FALCONE	10.5	5.71	2.96	1.44	16.9		.6	12	+.01	FC54
362	11/9	0705 / 0715	" "	10.5	5.83	2.95	1.44	17.2		.6	12	0	"

74D76M 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 56

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	0.0
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	6.3	0	0	0	0	0	0	0	0	14.6	0
8	0	10.5	0	0	0	0	0	0	0	0	25	0
9	0	13.4	0	0	0	0	0	0	0	0	24	0
10	0	4.8	0	0	0	0	0	0	0	0	9.9	0
11	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	3.1	0	0	0	0	0	0	0	0
27	0	0	0	0.4	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	35.0	0	3.5	0	0	0	0	0	0	73.5	0
MEAN	0	1.17	0	0.11	0	0	0	0	0	0	2.37	0
ACRE-FEET	0	69.	0	6.9	0	0	0	0	0	0	146.	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.31
ACRE-FEET 222.

76D174M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F120F-R

Daily discharge, in second-feet of BIG DALTON CREEK below Big Dalton Dam, for the year ending September 30, 1957

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	11.5	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	11.5	0	0	0	0	0	0	0	0	0	0
MEAN	0	0.38	0	0	0	0	0	0	0	0	0	0
ACRE-FEET	0	23.	0	0	0	0	0	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 0.03
ACRE-FEET 23.

STATION UG-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 1957.

AVERAGE DISCHARGE: 37 YEARS (1920-57) 1.04 SECOND-FEET.

EXTREMES:
1955-56
MAXIMUM DISCHARGE 152 SECOND-FEET JANUARY 26. (GAGE HEIGHT 3.05 FEET.)
MINIMUM NO FLOW DURING SEVERAL MONTHS.
1956-57
MAXIMUM DISCHARGE 12 SECOND-FEET NOVEMBER 9. (GAGE HEIGHT 1.95 FEET.)
MINIMUM NO FLOW FOR SEVERAL MONTHS.
1919-57
MAXIMUM DISCHARGE ABOUT 850 SECOND-FEET MARCH 2, 1938, FROM RECORD OF RELEASE FROM BIG DALTON RESERVOIR.
MINIMUM NO FLOW FOR SEVERAL MONTHS OF EACH YEAR.

REMARKS: RECORDS GOOD. REGULATION AT BIG DALTON FLOOD CONTROL DAM.

OPERATION: RECORDS FURNISHED BY THE UNITED STATES GEOLOGICAL SURVEY WATER RESOURCES BRANCH. TWENTY-TWO 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, 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.
1311	11/8	0928 / 0938	MIDDLETON-GREEN	5.1	3.78	2.20	1.78	8.28		.6	11	0	FC54
1312	11/16		U.S.G.S.				1.01	0.01	FLUME			0	
1313	11/28		"				0.99	0.01	EST.			0	
1314	1/30		"	3.6	0.85	1.08	1.40	0.92		.5	16	0	
1315	2/9	0824 / 0830	MIDDLETON	2.8	0.44	0.68	1.17	0.28		.6	7	0	FC49
1316	2/10		U.S.G.S.				1.17	0.22	FLUME	0		0	
1317	2/23	0840 / 0845	MIDDLETON	2.0	0.32	1.03	1.12	0.33		.6	5	0	FC49
1318	3/6		U.S.G.S.				1.09	0.06	FLUME			0	
1319	3/8	0822 / 0825	MIDDLETON	1.2	0.17	0.88	1.09	0.15		.6	0	0	FC49
1320	3/22	0816 / 0820	MIDDLETON-SJOSTEDT	0.8	0.09	0.67	1.08	0.06		.6	5	0	"
1321	3/22		U.S.G.S.				1.07	0.06	FLUME			0	
1322	4/4		"				1.05	0.05	FLUME			0	
1323	4/5	0820 / 0825	MIDDLETON	0.8	0.06	0.50	1.06	0.03		.5	5	0	FC49
1324	4/19	0707 / 0813		1.0	0.10	0.90	1.09	0.09		.6	6	0	
1325	4/19		U.S.G.S.				1.05	0.06	FLUME			0	
1326	5/3		"				1.07	0.09	FLUME			0	
1327	5/10	1432 / 1438	MIDDLETON	1.2	0.15	0.73	1.07	0.11		.6	5	0	FC49
1328	5/17		U.S.G.S.	0.7	0.06	0.83	1.06	0.05		.5	8	0	
1329	5/25	1038 / 1042	MIDDLETON	0.9	0.09	0.67	1.08	0.06		.6	4	0	FC50
1330	5/28		U.S.G.S.				1.08	0.05	FLUME			0	
1331	6/7	0900 / 0905	MIDDLETON	0.8	0.06	0.67	1.01	0.04		.6	5		FC49
1332	6/12		U.S.G.S.				1.00	0.01	FLUME				
1333	8/7	1030	SADDORIS-FALCONE	7.5	7.26	3.57	2.24	25.9		.6 / .5	8	+.03	
1334	8/7		U.S.G.S.	5.7	2.88	3.00	1.78	8.64		.5 / .6	12	-.07	
1335	8/7		"	7.8	6.06	3.97	2.16	24.1		.5 / .6	14	.01	
1336	8/8		"	7.5	7.25	3.61	2.18	26.2		.6	15	0	

DISCHARGE MEASUREMENTS OF BIG DALTON CREEK

NEAR Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1957

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.
1337	1/17	0830 / 0835	MIDDLETON	0.8	0.06	0.17	1.00	.01		.5	5	0	
1338	1/23		U.S.G.S.				0.98	.01		FLUME		0	
1339	2/5		"				1.02	.05		EST.		0	
1340	2/7	0832 / 0834	ROY-MIDDLETON	0.9	0.08	0.50	1.02	.04		.5	4	0	
1341	2/14		U.S.G.S.				1.03	.02		FLUME		0	
1342	2/21	0828 / 0832	BOWMAN-MIDDLETON	0.6	0.03	0.33	1.00	.01		.5	4	0	
1343	3/14	0906 / 0910	SARASUA-MIDDLETON	0.6	0.04	0.50	1.04	.02		.5	4	0	
1344	3/20		U.S.W.B.				1.04	.04		FLUME		0	
1345	3/21	1328 / 1332	SARASUA-MIDDLETON	0.7	0.11	0.36	1.04	.04		.5	5	0	
1346	3/30		U.S.G.S.				1.03	.04		EST.		0	
1347	4/4	1446 / 1448	SARASUA-MIDDLETON	0.6	0.05	0.60	1.02	.03		.5	3	0	
1348	4/12		U.S.G.S.				1.20 / 1.04	.02		FLUME		0	
1349	5/3	0909 / 0911	MIDDLETON	0.4	0.02	1.50	1.06	.03		.5	3	0	
1350	5/7		U.S.G.S.				1.06	.01		FLUME		0	
1351	5/16	0830 / 0832	MIDDLETON	0.6	0.04	0.50	1.03	.02		.5	3	0	
1352	5/23		U.S.G.S.				1.03	.02		FLUME		0	
1353	5/29	1516 / 1518	MIDDLETON-SARASUA	0.6	0.04	0.50	1.02	.02		.5	3	0	
1354	6/12		U.S.G.S.				1.02	.02		FLUME		0	
1355	6/13	0835 / 0840	SARASUA	0.6	0.04	0.50	1.02	.02		.5	4	0	
1356	6/25		U.S.G.S.				1.02 / 1.00	.01		FLUME			
1357	6/27	0855 / 0856	SARASUA	0.4	0.01	0.38	0.99	.01		.5	3	0	

7ED714M C-b 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. UG-R

Daily discharge, in second-feet of BIG DALTON CREEK near Mouth of Canyon, for the year ending September 30, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0.6	0.1	0.1	0.1	0.1	0	0	0
2	0	0	0	0	0.4	0.1	0.1	0.1	0.1	0	0	0
3	0	0	0	0	0.3	0.1	0.1	0.1	0.1	0	0	0
4	0	0	0	0	0.3	0.1	0.1	0.1	0	0	0	0
5	0	0	0	0	0.3	0.1	0	0.1	0	0	0	0
6	0	0	0	0	0.3	0.1	0	0.1	0	0	0	0
7	0	2.3	0	0	0.3	0.1	0	0.1	0	0	1.2	0
8	0	8.0	0	0	0.2	0.2	0	0.1	0	0	2.5	0
9	0	1.2	0	0	0.2	0.1	0	0.1	0	0	2.3	0
10	0	4.5	0	0	0.2	0.1	0	0.1	0	0	7.8	0
11	0	0	0	0	0.2	0.1	0	0.1	0	0	0	0
12	0	0	0	0	0.2	0.1	0.1	0.1	0	0	0	0
13	0	0	0	0	0.2	0.1	0.1	0.1	0	0	0	0
14	0	0	0	0	0.2	0.1	0	0.1	0	0	0	0
15	0	0	0	0	0.3	0.1	0	0.1	0	0	0	0
16	0	0	0	0	0.3	0.1	0.1	0.1	0	0	0	0
17	0	0	0	0	0.3	0.1	0.1	0.1	0	0	0	0
18	0	0	0	0	0.3	0.1	0.1	0.1	0	0	0	0
19	0	0	0	0	0.3	0.1	0.1	0.1	0	0	0	0
20	0	0	0	0	0.3	0.1	0.1	0.1	0	0	0	0
21	0	0	0	0	0.3	0.1	0.1	0.1	0	0	0	0
22	0	0	0	0	0.3	0.1	0.1	0.1	0	0	0	0
23	0	0	0	0	0.5	0.1	0.1	0.1	0	0	0	0
24	0	0	0	0	0.4	0.1	0.1	0.1	0	0	0	0
25	0	0	0	0	0.3	0.1	0.1	0.1	0	0	0	0
26	0	0	0	2.4	0.3	0.1	0.1	0.1	0	0	0	0
27	0	0	0	5.7	0.2	0.1	0.1	0.1	0	0	0	0
28	0	0	0	1.7	0.2	0	0.1	0.1	0	0	0	0
29	0	0	0	1.1	0.2	0	0.1	0	0	0	0	0
30	0	0	0	0.8	0	0	0.1	0.1	0	0	0	0
31	0		0	1.0		0		0.1		0	0	
	0	26.8	0	34.3	8.4	2.8	2.1	3.0	0.3	0	67.8	0
MEAN	0	0.89	0	1.11	0.29	0.09	0.07	1.10	0.01	0	2.19	0
ACRE-FEET	0	53.	0	68.	17.	5.6	4.2	6.0	0.6	0	134.	0

Remarks:

YEAR OR PERIOD MEAN 0.40
ACRE-FEET 288.

TEDTAM Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. UG-R

Daily discharge, in second-feet of BIG DALTON CREEK near Mouth of Canyon, for the year ending September 30, 19 57

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0.1	0	0	0	0	0	0	0
2	0	0	0	0	0.1	0	0	0	0	0	0	0
3	0	0	0	0	0.1	0	0	0	0	0	0	0
4	0	0	0	0	0.1	0	0	0	0	0	0	0
5	0	0	0	0	0.1	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	7.1	0	0	0	0	0	0	0	0	0	0
10	0	0.1	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	0.1	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	0.1	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	0.1	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	0.1		0	0	0	0	0	0	0
30	0	0	0	0		0	0	0	0	0	0	0
31	0		0	0.1		0		0		0	0	
	0	7.2	0	0.4	0.6	0	0	0	0	0	0	0
MEAN	0	0.24	0	0.01	0.02	0	0	0	0	0	0	0
ACRE-FEET	0	14.	0	0.8	1.2	0	0	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 0.02
ACRE-FEET 16.

STATION F202-R
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: INSTALLED DECEMBER 27, 1951 - OVER A 24-INCH GALVANIZED IRON PIPE STILLING WELL. AN H.C.F. RECORDER IN SERVICE FROM OCTOBER 1, 1955 TO SEPTEMBER 30, 1957

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, 1957.

EXTREMES OF DISCHARGE:
1955-56
MAXIMUM 80 SECOND-FEET JANUARY 26.
MINIMUM NO FLOW MOST OF YEAR.
1956-57
NO FLOW ENTIRE YEAR.
1951-57
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 WASH

AT NEAR Sierra Madre 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.
30	1/26	1552 / 1608	MIDDLETON-LANPHEAR	30.5	21.6	3.08	3.85	66.5		.6	17	+.10	FC54
31	1/26	2040 / 2058	" "		CHANNELS		3.66	29.0		.6	19	+.04	"
32	1/27	1540 / 1545	TREAT-LEVY	8.0	1.95	2.62	3.08	5.1		.6	8	0	FC45
33	1/31	0854 / 0858	MIDDLETON-LANPHEAR	2.6	0.53	0.74	2.69	0.39		.6	6	0	FC54

FORM 4M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

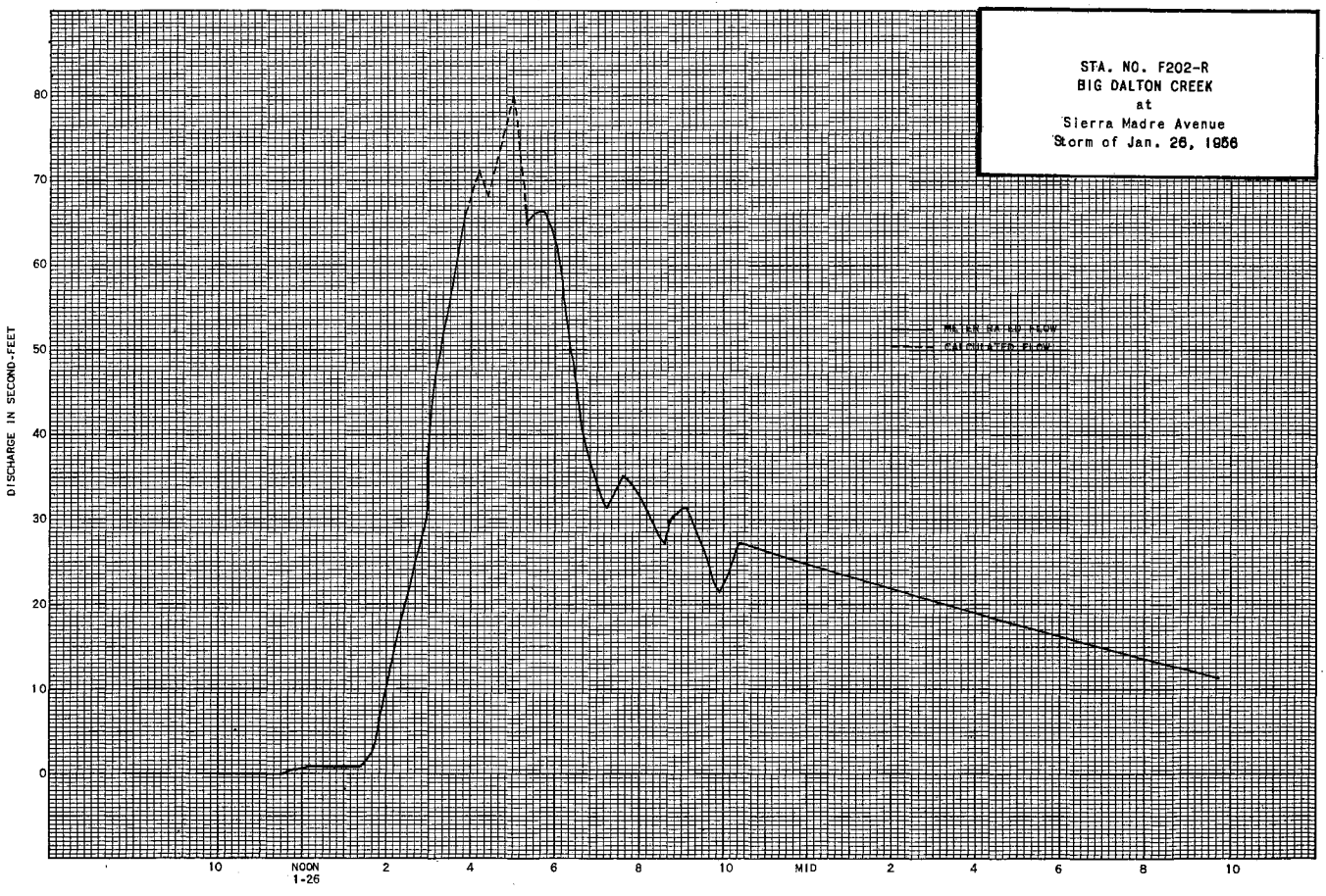
Sta. No. F202-R

Daily discharge, in second-feet of BIG DALTON WASH at Sierra Madre Avenue, for the year ending September 30, 1956

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	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
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	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
26	0	0	0	17	0	0	0	0	0	0	0	0
27	0	0	0	11	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	0
30	0	0	0	+	0	0	0	0	0	0	0	0
31	0		0	0.3		0		0		0	0	
	0	0	0	28.3	0	0	0	0	0	0	0	0
MEAN	0	0	0	0.91	+	0	0	0	0	0	+	0
ACRE-FEET	0	0	0	56.	+	0	0	0	0	0	+	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.08
ACRE-FEET 56.



STATION F274-R
DALTON WASH at Merced Avenue

LOCATION: WATER-STAGE RECORDER, LAT. 34°04'28". LONG. 117°57'48", ON THE LEFT (EAST) BANK AND ON THE DOWNSTREAM SIDE OF THE MERCED AVENUE BRIDGE, ABOUT ONE-HALF MILE ABOVE THE JUNCTION WITH WALNUT WASH AND ABOUT ONE MILE SOUTH OF BALDWIN PARK. ELEVATION OF ZERO, GAGE HEIGHT 345.27 FEET.

DRAINAGE AREA: 28 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - PIPE AND WIRE AT TOE OF DIRT LEVEE. BOTTOM EARTH, SAND AND GRAVEL COVERED WITH WEEDS AND GRASS DURING SUMMER MONTHS. NO ARTIFICIAL CONTROL.

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

RECORDER: INSTALLED NOVEMBER 11, 1940 OVER A 24-INCH DIAMETER CORRUGATED PIPE STILLING WELL. AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1955 TO SEPTEMBER 30, 1957.

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

DIVERSIONS: GLENDORA MUTUAL WATER COMPANY DIVERTS FLOW FROM BOTH BIG AND LITTLE DALTON CANYONS.

RECORDS AVAILABLE: NOVEMBER 11, 1940 TO SEPTEMBER 30, 1957.

EXTREMES OF DISCHARGE:

1955-56
MAXIMUM 2350 SECOND-FEET, JANUARY 26.
MINIMUM NO FLOW PART OF YEAR.

1956-57
MAXIMUM 1990 SECOND-FEET, MARCH 1.
MINIMUM NO FLOW PART OF YEAR.

1940-57
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.

DISCHARGE MEASUREMENTS OF DALTON WASH

AT ~~NEAR~~ Merced 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.	D. MT. CHANGE TOTAL	METER NO.
276	10/4	0747 / 0757	MIDDLETON	4.2	0.92	0.80	2.07	0.74		.6	9	0	FC49
277	10/20	1602 / 1612	"	4.2	1.28	0.65	2.08	0.83		.6	9	0	FC54
278	11/14	0133 / 0138	MIDDLETON-TREAT	8.0	2.55	1.32	2.21	3.3		.6	9	0	"
279	11/14	0425 / 0435	" "	23.0	16.8	3.49	2.71	58.6		.6	13	+.02	"
280	11/14	0625 / 0635	" "	26.0	28.5	5.02	3.23	143.		.6	14	-.01	"
281	11/14	1555 / 1605	MIDDLETON	8.5	2.54	1.38	2.10	3.5		.6	9	0	"
282	11/17	0830 / 0836	"	2.5	0.28	0.36	1.89	0.10		.6	6	0	"
283	11/21	1218 / 1228	"	10.0	3.51	2.16	2.19	7.6		.6	10	0	"
284	11/21	1243 / 1258	"	23.5	15.2	2.39	2.43	36.3		.6	13	-.06	"
285	11/21	1450 / 1500	"	20.0	13.1	2.53	2.36	33.2		.6	12	+.08	"
286	12/1	2047 / 2056	MIDDLETON-TREAT	20.5	13.4	1.67	2.23	22.4		.6	13	+.01	"
287	12/1	2210 / 2220	" "	21.0	16.7	2.99	2.53	49.9		.6	13	-.02	"
288	12/1	2308 / 2325	" "	20.0	12.0	2.21	2.39	26.5		.6	12	-.06	"
289	12/4	1048 / 1102	MIDDLETON	20.0	7.42	0.84	2.18	6.2		.6	12	-.02	"
290	1/12	1015 / 1025	"	5.2	1.38	0.43	1.98	0.60		.6	11	0	"
291	1/19	1527 / 1533	"	2.4	0.27	0.59	1.88	0.16		.6	7	0	FC49
292	1/25	1432 / 1442	TREAT-LEVY	22.0	18.5	4.14	2.70	76.7		.6	13	+.12	FC54
293	1/25	1548 / 1556	" "	23.0	25.7	4.71	3.04	121.		.6	14	0	"
294	1/25	1835 / 1855	" "	36.0	41.4	5.75	3.43	238.		.6	8	+.16	FC45
295	1/25	2245 / 2255	" "	24.0	24.8	4.31	2.87	107.		.6	14	-.07	"
296	1/26	0115 / 0125	" "	22.0	16.4	3.30	2.52	54.2		.6	13	+.03	"
297	1/26	0745 / 0800	" "	36.5	111.0	8.16	5.44	906.		.6	12	+.10	"
298	1/26	2015 / 2035	TREAT-LEVY	35.0	54.1	6.32	3.58	342.		.6	19	-.18	FC45
299	1/27	1037 / 1044	" "	25.0	18.3	3.64	2.42	66.6		.6	16	-.04	"
300	1/27	1405 / 1410	" "	6.0	.95	.74	1.68	0.7		.6	7	-.03	"
301	1/31	0308 / 0324	MIDDLETON-LANPHEAR	24.2	8.90	1.46	1.96	13.0		.6	14	-.01	FC54
302	2/23	1522 / 1539	MIDDLETON	23.1	6.86	1.20	1.86	8.2		.6	14	-.02	"
303	4/12	0816 / 0828	"	12.7	2.42	1.20	1.79	2.9		.6	10	0	FC49
304	4/12	1125 / 1141	"	25.5	19.3	3.63	2.34	70.0		.6	15	-.02	FC54
305	4/12	1900 / 1910	MIDDLETON-TREAT	25.5	21.4	4.03	2.51	86.3		.6	15	+.22	"
306	4/12	2226 / 2236	" "	26.0	29.0	4.76	2.75	138.		.6	15	+.06	"
307	4/13	0907 / 0916	MIDDLETON	3.2	0.52	1.00	1.69	0.52		.6	8	0	FC49
308	4/26	1436 / 1450	"	24.5	14.5	2.95	2.14	42.8		.6	15	-.06	FC54
309	5/9	0832 / 0836	"	5.2	0.75	0.77	1.74	0.58		.6	7	0	FC49
310	5/9	1018 / 1048	"	32.0	39.8	5.25	3.08	209.		.6	17	-.48	FC54
311	5/9	1337 / 1353	"	25.0	13.7	2.67	2.04	36.6		.6	15	-.08	"

DISCHARGE MEASUREMENTS OF DALTON WASH

AT Merced Avenue 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.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
312	12/5	2020 / 2040	MIDDLETON	24.0	18.7	4.24	1.38	79.1		.6	11	-.08	FC54
313	1/5	0645 / 0700	MIDDLETON-MC BRIDE	25.0	25.8	4.30	1.47	111.		.6	15	-.06	"
314	1/5	1005 / 1016	" "	22.5	11.0	1.71	0.80	18.8		.6	13	+.02	"
315	1/10	0650 / 0710	" "	25.5	20.0	3.72	0.85	74.5		.6	14	-.05	"
316	1/10	1055 / 1105	" "	16.0	2.4	0.71	0.12	1.7		.6	9	0	FC49
317	1/12	2118 / 2130	" "	30.0	29.9	4.11	1.13	123.		.6	17	+.05	FC54
318	1/13	0335 / 0410	TREAT-LITCHFIELD	35.0	81.9	8.08	2.57	663.		.6	19	-.06	FC45
319	1/20	1710 / 1720	" "	15.0	2.60	1.08	0.12	2.8		.6	8	0	"
320	1/27	1614 / 1622	MIDDLETON-TREAT	19.5	7.16	2.08	0.30	14.9		.6	11	-.04	FC54
321	2/23	0535 / 0555	TREAT-LITCHFIELD	37.0	4.78	6.40	1.31	306.		.6	19	-.02	FC45
322	2/23	0850 / 0903	" "	33.0	28.0	3.56	0.72	99.6		.6	13	-.04	"
323	2/23	0935 / 0947	" "	32.0	18.0	2.92	0.41	52.6		.6	12	-.10	"
324	2/23	1010 / 1020	" "	22.0	8.90	2.57	0.14	22.8		.6	10	-.09	"
325	2/23	1040 / 1046	" "	18.0	6.00	1.86	0.06	11.2		.6	10	-.05	"
326	2/28	1600 / 1618	MIDDLETON	21.0	8.05	2.57	0.24	20.7		.6	12	0	FC54
327	3/1	0010 / 0050	TREAT-LITCHFIELD	36.0	152.	8.95	4.01	1370.		.6	15	-1.38	FC45
328	3/9	1852 / 1900	MIDDLETON-TREAT	31.0	20.9	2.79	0.37	58.3		.6	12	-.10	FC54
329	3/9	2025 / 2035	TREAT-LITCHFIELD	20.0	5.22	1.19	-0.01	6.2		.6	11	-.06	FC45
330	3/9	2045 / 2055	" "	17.0	3.37	0.92	-0.12	3.1		.6	11	-.03	"
331	3/16	0845 / 0900	" "	34.5	40.8	5.05	1.02	206.		.6	13	-.20	"
332	3/16	1035 / 1045	" "	27.0	10.2	1.86	0.14	19.2		.6	11	-.06	"
333	4/18	1050 / 1100	MIDDLETON-SARASUA	27.0	21.2	3.22	0.41	68.2		.6	16	+.02	FC54
334	4/18	1302 / 1316	SARASUA-MIDDLETON	18.5	6.06	1.30	0.01	7.9		.6	11	-.02	FC34
335	4/20	1505 / 1514	MIDDLETON-SARASUA	29.0	24.2	3.73	0.54	90.2		.6	16	-.03	FC54
336	4/20	1618 / 1628	SARASUA-MIDDLETON	27.0	10.8	2.02	0.21	21.8		.6	15	-.02	FC43
337	4/20	1814 / 1824	" "	14.9	1.59	1.51	-0.17	2.40		.5	7	-.02	FC49
338	5/11	2135 / 2140	MIDDLETON-SARASUA	7.0	1.65	0.97	-0.12	1.6		.5	8	0	FC43

76D74M C-1 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F27H-R

Daily discharge, in second-feet of DALTON WASH at Merced Avenue, for the year ending September 30, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0.5	5.1	0	0	0	1.0	0	0	0	0	0
2	0.5	0.3	0.6	0	0	0	0	0	0	0	0	0
3	0.8	0.3	0	0	0	0	0	0	0	0	0	0
4	0.5	0.5	1.9	0	0	0	0	0	0	0	0	0
5	0.6	0.5	0	0	0	0	0	0	0	0	0	0
6	f 0.4	0.4	0	0	0	0	0	0	0	0	0	0
7	a 0.5	0.2	0	0	0	0	0.1	0	0	0	0	0
8	0.5	0.2	0	+	0	0	0.2	0	0	0	0	0
9	0.5	0.5	0	0.1	0	0	0.2	27	0	0	0	0
10	0.5	0.3	0	0	0	0	0	0	0	0	0	0
11	0.5	+	+	+	0	0	0.6	0	0	0	0	0
12	0.5	0.4	0.1	0.6	0	0.2	41	0	0	0	0	0
13	0.5	1.4	+	0.6	0	0	6.0	0	0	0	0	0
14	0.5	1.8	+	0.6	0	0	0	0	0	0	0	0
15	0.5	0.2	+	0.6	0	0	0	0	0	0	0	0
16	0.5	0	0.4	0.6	0	0	0	0	0	0	0	0
17	0.5	+	0.1	0.5	0	0	0	0	0	0	0	0
18	0.5	0	0	0.6	0	0	0	0.1	0	0	0	0
19	a 0.5	0	0	0.5	0	0	0	0.5	0	0	0	0
20	f 0.5	0	0	+	0	0	0	0	0	0	0	0
21	1.5	1.7	0	0	0	0	0	0	0	0	0	0
22	0.6	0.3	0	0	0	0	0	0	0	0	0	0
23	0.8	0.4	0	0	3.7	0.1	0	0	0	0	0	0
24	1.5	0	0	0	0	+	+	0	0	0	0	0
25	1.1	0	0	7.6	0	0.2	0	0	0	0	0	0
26	1.0	0	0	8.6	0	0	8.6	0	0	0	0	+
27	0.6	0	0	4.1	0	0	0	0	0	0	0	0
28	1.5	0	0	0	0	0	0	0	0	0	0	0
29	0.5	0	0	0	0	0	0	0	0	0	0	0
30	0.8	0	0	0		0	0	0	0	0	0	0
31	0.6	0	0	2.2		0		0		0	0	
	20.3	41.4	8.2	98.9	3.7	0.5	57.7	27.6	0	0	0	0
MEAN	0.65	1.38	0.26	31.7	0.13	0.02	1.92	0.89	0	0	0	+
ACRE-FEET	40.	82.	16.	1950.	7.3	1.0	114.	55.	0	0	0	+

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 3.12
ACRE-FEET 2260.

7SD74M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

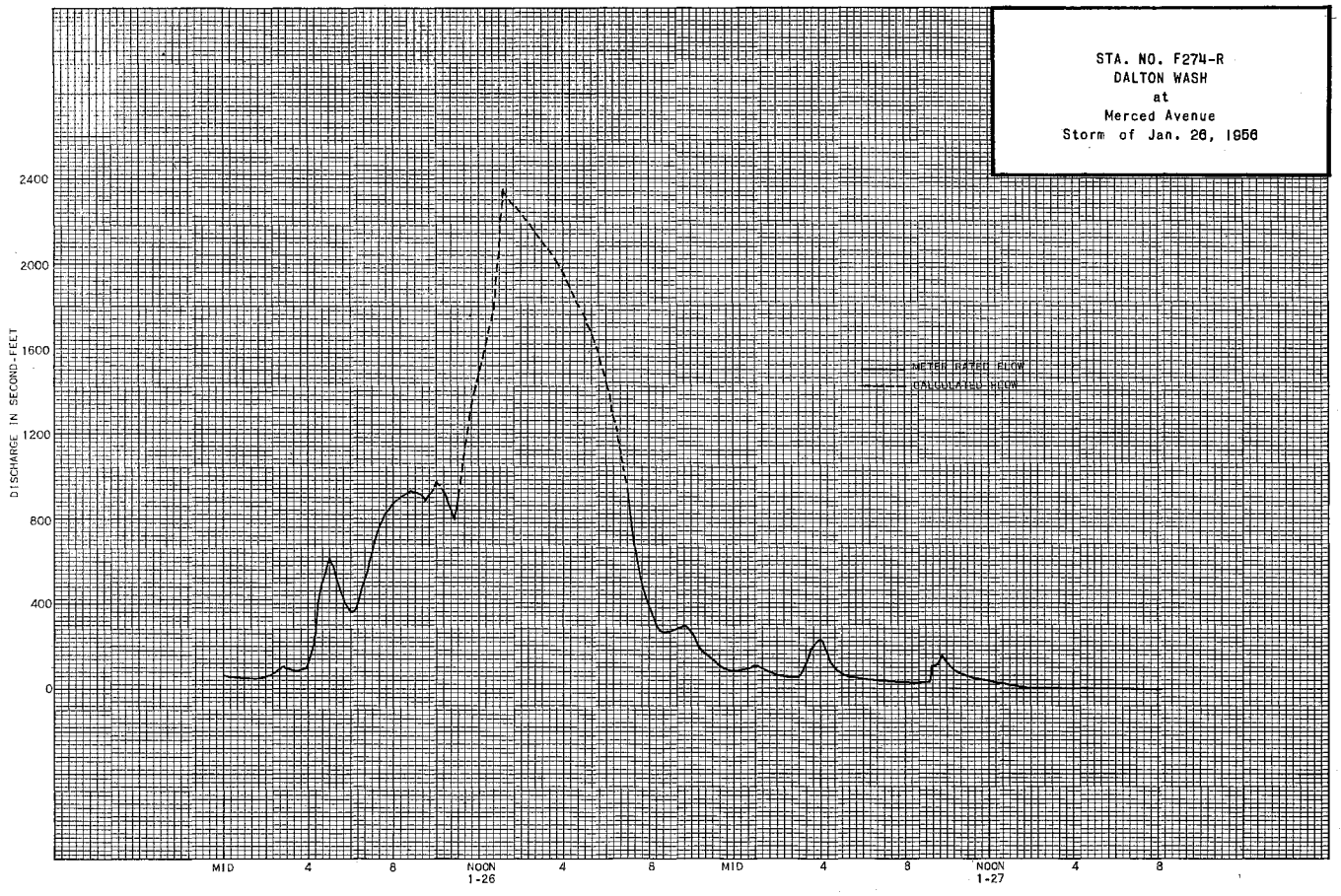
Sta. No. F274-R

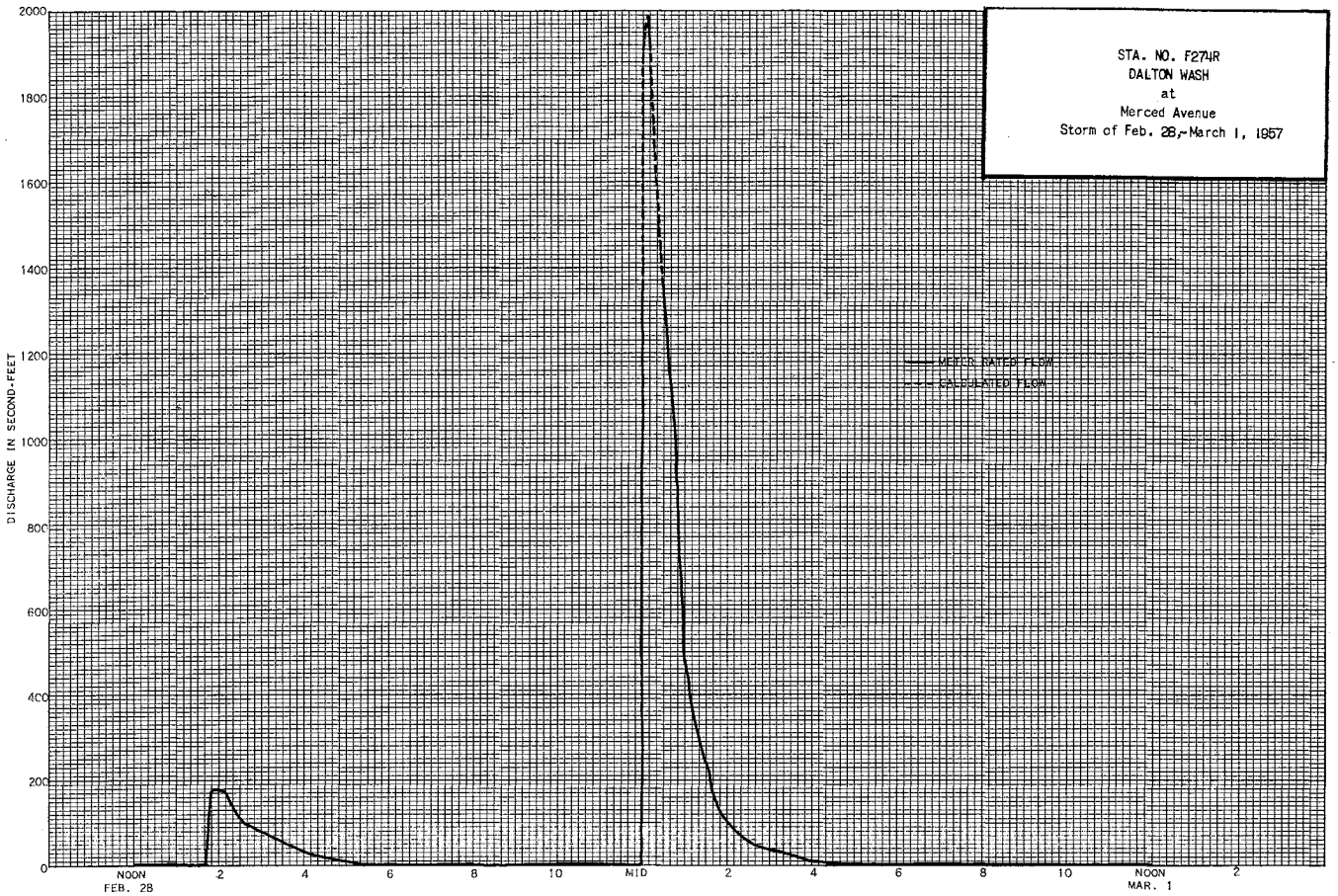
Daily discharge, in second-feet of DALTON WASH at Merced Avenue, for the year ending September 30, 19 57

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	72	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	6.7	21	0	0	0	0	0	0	0	0
6	0	0	1.3	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	6.8	0	0	0	0	0	0
10	0	0	0	37	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	6.6	0	0	0	0
12	0	0	0	40	0	0	0	0	0	0	0	0
13	0	0	0	165	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0.2	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	24	0	0	0	0	0	0
17	0	0	0	0	0	0	0.7	0	0	0	0	0
18	0	0	0	0	0	0	5.4	0	0	0	0	0
19	0	0	0	0	0	0	0	13	0	0	0	0
20	0	0	0	0.1	0	0	11	0	0	0	0	0
21	0	0	0	0	0	0	1.6	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	34	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	13	0	0	0	0	0	0	0	0
27	0	0	0	1.0	0	0	0	0	0	0	0	0
28	0	0	0	0	34	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	8.0	2771	68.0	102.8	18.7	19.8	0	0	0	0
MEAN	0	0	0.26	8.94	2.43	3.32	0.62	0.64	0	0	0	0
ACRE-FEET	0	0	16.	549.	135.	204.	37.	39.	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 1.36
ACRE-FEET 980.





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 1957.

AVERAGE DISCHARGE: 33 YEARS (1923-37, 1938-57) 14.4 SECOND-FEET.

EXTREMES:
1955-56
MAXIMUM DISCHARGE 380 SECOND-FEET JANUARY 26. (GAGE HEIGHT 3.52 FEET.)
MINIMUM 2.3 SECOND-FEET SEPTEMBER 17, 18.
1956-57
MAXIMUM DISCHARGE 362 SECOND-FEET JANUARY 13. (GAGE HEIGHT 3.87 FEET.)
MINIMUM 2.3 SECOND-FEET OCTOBER 23.
1923-57
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. SIXTY DISCHARGE MEASUREMENTS FURNISHED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF BIG ROCK CREEK (ROCK 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.	G. HT. CHANGE TOTAL	METER NO.
1210	10/7		U.S.G.S.	11.0	4.40	1.00	2.01	4.39		.6	12	0	
1211	11/11	1050 / 1105	WHISLER	11.8	4.82	0.79	2.01	3.84		.5/.6	13	0	FC59
1212	11/27	0917 / 0930	TURNER-SCOTT	11.2	4.93	0.86	2.04	4.23		.5/.6	13	0	FC60
1213	11/9		U.S.G.S.	11.0	4.18	0.97	2.01	4.07		.5/.6	12	0	
1214	11/22		"	11.0	4.70	0.87	1.98	4.07		.6	12	0	
1215	11/23	1318 / 1328	WHISLER	10.8	4.84	0.79	2.10	3.79		.5/.6	12	0	FC59
1216	12/7	1215 / 1230	"	10.5	4.76	0.82	2.08	3.90		.6	11	0	"
1217	12/15		U.S.G.S.	10.5	4.15	0.76	2.10	3.15		.5	22	+.01	
1218	12/21	1155 / 1205	WHISLER	10.8	4.91	0.81	2.12	4.00		.6	13	0	FC59
1219	12/30		U.S.G.S.	10.0	4.38	0.95	2.12	4.15		.6	11	0	
1220	1/4	1126 / 1136	WHISLER	11.0	4.85	0.89	2.12	4.33		.6	14	0	FC59
1221	1/17		U.S.G.S.	10.4	3.67	1.02	2.01	3.73		.5/.6	12	.01	
1222	1/18	1215 / 1225	WHISLER	10.7	3.9	0.97	2.01	3.81		.6	12	0	FC59
1223	2/2	1226 / 1239	"	11.5	5.03	1.59		8.00		.5/.6	13		"
1224	2/6		U.S.G.S.	13.0	5.02	1.77	2.06	8.89		.6	14	0	
1225	2/8	1133 / 1143	WHISLER	13.0	5.12	1.56	2.06	8.04		.6	14	0	FC59
1226	2/15	1409 / 1424	"	13.8	5.07	1.52	2.05	7.66		.5/.6	15	0	"
1227	2/21	1145 / 1200	"	13.5	4.98	1.59	2.03	7.91		.5	15	0	"
1228	2/29	1313 / 1328	"	13.5	4.62	1.52	2.02	7.01		.5/.6	14	0	"
1229	3/1		U.S.G.S.	13.0	4.50	1.39	2.02	6.27		.6	14	0	
1230	3/7	1322 / 1335		9.5	4.12	1.48	2.01	6.13		.5/.6	11	0	FC59
1231	3/14	1280 / 1302		11.5	4.83	1.21	2.00	5.85		.5/.6	12	0	"
1232	3/21	1500 / 1512		10.5	4.52	1.30	1.98	5.94		.5/.6	12	0	"
1233	3/23		U.S.G.S.	10.0	3.79	1.52	1.98	5.76		.5/.6	21	0	
1234	3/28	1412 / 1423	WHISLER	9.0	4.28	1.45	1.98	6.25		.5/.6	13	0	FC59
1235	4/4		U.S.G.S.	10.0	3.63	1.53	1.98	5.56		.6	11	0	
1236	4/5	1145 / 1157	WHISLER	10.0	3.68	1.60	1.98	5.87		.5/.6	13	0	FC59
1237	4/11	1410 / 1420	"	10.0	4.50	1.20	1.98	5.40		.5/.6	12	0	"
1238	4/20	1430 / 1442	"	11.8	4.98	1.92	2.09	9.57		.5/.6	15	0	
1239	5/2	1328 / 1345	"	11.2	5.44	1.99	2.09	10.8		.5/.6	13	0	
1240	5/3		U.S.G.S.	12.7	5.53	1.83	2.11	10.1		.6	14	0	
1241	5/16	1135 / 1156	WHISLER	12.3	5.83	2.10	2.13	12.3		.5/.6	14	0	FC59
1242	5/23		U.S.G.S.	12.0	5.27	2.01	2.10	10.6		.5/.6	13	0	
1243	5/31	1218 / 1238	WHISLER	11.1	4.67	1.65	2.07	7.71		.5/.6	13	0	FC59
1244	6/12		U.S.G.S.	11.0	3.71	1.43	2.00	5.32		.5/.6	12	0	
1245	6/13	1407 / 1418	SJOSTEDT-WHISLER	10.7	3.83	1.36	2.00	5.25		.5/.6	12	0	FC59
1246	6/27	1355 / 1410	SJOSTEDT	10.0	3.29	1.15	1.96	3.76		.5/.6	12	0	"
1247	7/11	1318 / 1333	"	10.0	3.18	1.01	1.92	3.22		.5/.6	13	0	"
1248	7/19		U.S.G.S.	11.0	3.38	1.03	1.94	3.49		.6	12	0	
1249	7/25	1405 / 1415	WHISLER	9.5	3.46	1.07	1.94	3.70		.5/.6	11	0	FC59
1250	8/3		U.S.G.S.	10.8	3.16	1.03	1.93	3.25		.5/.6	15	0	
1251	8/8	1405 / 1414	WHISLER	10.0	3.21	0.87	1.91	2.85		.5	12	0	FC59
1252	8/22	1305 / 1318	"	10.0	2.83	0.88	1.90	2.49		.5	12	0	"
1253	8/29		U.S.G.S.	10.0	2.98	0.97	1.91	2.90		.6	21	0	
1254	9/5	1123 / 1132	WHISLER	10.1	2.86	0.94	1.90	2.71		.5	12	0	FC59
1255	9/19		U.S.G.S.	10.0	2.98	0.97	1.92	2.88		.5/.6	21	0	
1256	9/19	1130 / 1145	WHISLER	10.0	2.84	0.92	1.90	2.58		.5	13	0	FC59

DISCHARGE MEASUREMENTS OF BIG ROCK CREEK

AT above Mouth of 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.	G. HT. CHANGE TOTAL	METER NO.
1256	10/3	1443 / 1454	WHISLER	9.9	2.94	0.99	1.92	2.89		.5	12	0	
1257	10/5		U.S.G.S.	10.0	2.84	0.88	1.92	2.49		.5	21	0	
1258	10/17	1250 / 1304	WHISLER	6.5	1.56	1.41	1.90	2.20		.5	12	0	
1259	10/29		U.S.G.S.	10.0	3.04	0.97	1.92 / 1.93	2.97		.5	21	0	
1260	10/31	1400 / 1414	WHISLER-HENSLEY	10.0	2.90	0.93	1.93	2.72		.5	13	0	
1261	11/14	1128 / 1138	WHISLER-STUNDEN	10.0	3.39	0.88	1.91 / 1.93	2.99		.5	12	0	
1262	11/28	1306 / 1318	WHISLER	10.0	3.25	0.89	1.93	2.87		.5	12	0	
1263	11/30		U.S.G.S.	10.0	3.28	1.01	1.93	3.32		.5/.6	18	0	
1264	12/12	1438 / 1446	WHISLER	9.8	3.09	0.94	1.96 / 1.98	2.86		.5	12	0	
1265	12/19		U.S.G.S.	10.0	3.24	0.87	2.00	2.82		.5/.6	21	0	
1266	12/26	1150 / 1200	WHISLER	9.9	3.16	0.89	2.00 / 1.98	2.78		.5	12	0	
1267	1/3		U.S.G.S.	10.0	3.26	1.00	1.98	3.27		.5/.6	16	0	
1268	1/9	1228 / 1237	WHISLER-BOWMAN	10.0	3.26	0.98	2.01	3.16		.5	12	0	
1269	1/17		U.S.G.S.	9.2	3.62	1.59	1.89	5.77		.5/.6	19	+.01	
1270	1/23	1025 / 1039	WHISLER	9.1	3.53	1.44	1.87 / 1.86	5.11		.6	12	0	
1271	1/28		U.S.G.S.	9.0	3.55	1.74	1.90 / 1.92	6.18		.6	19	0	
1272	1/30	1344 / 1356	WHISLER-BROOK	9.0	3.61	1.60	1.93	5.80		.6	12	0	
1273	2/6	1050 / 1102	WHISLER	9.1	3.83	1.57	1.93	5.99		.6	12	0	
1274	2/13		U.S.G.S.	9.2	4.60	2.20	2.05 / 2.04	10.1		.6	19	0	
1275	2/20	1300 / 1317	WHISLER-BROOK	9.1	4.61	2.15	2.02	9.91		.6	13	0	
1276	2/27	1130 / 1150	WHISLER-MC BRIDE	9.7	5.80	2.76	2.17	16.0		.6	12	0	
1277	2/28		U.S.G.S.	9.5	5.53	2.57	2.16	14.2		.6	20	0	
1278	3/7	1323 / 1341	WHISLER	13.0	6.92	1.82	2.15	12.6		.6	14	0	
1279	3/13		U.S.G.S.	9.5	4.97	2.37	2.09	11.8		.6	20	0	
1280	3/20	1338 / 1350	WHISLER	9.7	4.68	2.12	2.04	9.87		.6	13	0	
1281	3/27	1233 / 1249	WHISLER-LINDSAY	13.0	5.24	1.60	2.00	8.4		.6	14	0	
1282	4/2	0930 / 0950	FALCONE-HYDE	13.0	5.43	1.69	1.99	9.2		.5/.6	14	0	
1283	4/3		U.S.G.S.	9.4	4.40	1.64	1.98	7.20		.6	20	0	
1284	4/10	1050 / 1100	WHISLER	9.5	4.41	1.85	1.97	8.1		.6	13	0	
1285	4/16		U.S.G.S.	9.4	4.41	1.96	1.98	8.63		.6	20	0	
1286	4/24	1203 / 1215	WHISLER	9.5	4.36	1.86	1.98	8.1		.5/.6	13	0	
1287	5/1		U.S.G.S.	9.5	4.44	1.68	1.98	7.47		.6	20	+.01	
1288	5/8	1315 / 1326	WHISLER	9.6	4.01	1.72	1.96	6.9		.5/.6	13	0	
1289	5/13		U.S.G.S.	9.4	4.40	1.58	1.96	6.95		.6	20	0	
1290	5/22	1315 / 1329	WHISLER	9.3	4.27	1.76	1.97	7.5		.6	12	0	
1291	5/27		U.S.G.S.	9.2	4.35	1.86	1.95	8.10		.6	19	0	
1292	6/5	1150 / 1159	BOWMAN-WHISLER	9.2	3.64	1.68	1.91	6.1		.5/.6	11	0	
1293	6/10		U.S.G.S.	9.4	4.11	1.45	1.92	5.94		.5/.6	20	0	
1294	6/19	1028 / 1040	WHISLER	9.3	3.96	1.39	1.89	5.5		.6	12	0	
1295	6/25		U.S.G.S.	9.2	3.40	1.44	1.87	4.88		.6	18	0	
1296	6/26	1210 / 1225	BOWMAN	9.4	3.49	1.49	1.87	5.2		.5	11	0	
1297	7/10		U.S.G.S.	9.2	3.38	1.41	1.88	4.78		.6	20	0	
1298	7/10	1135 / 1150	BOWMAN	10.0	3.13	1.37	1.86	4.3		.5	11	0	
1299	7/24	1116 / 1128	WHISLER	10.0	2.94	1.43	1.85	4.2		.5/.6	12	0	
1300	7/25		U.S.G.S.	9.7	3.62	1.06	1.86	3.84		.5/.6	21	0	
1301	8/7	1328 / 1340	WHISLER-REISTER	9.6	2.58	1.24	1.84	3.2		.5	12	0	
1302	8/19		U.S.G.S.	9.5	2.68	1.39	1.84	3.72		.5/.6	19	0	
1303	8/21	1130 / 1142	WHISLER	9.6	2.78	1.29	1.83	3.6		.5	12	0	
1304	8/30		U.S.G.S.	9.6	2.88	1.29	1.84	3.71		.5/.6	20	0	
1305	9/4	1246 / 1256	WHISLER-BLAKELY	9.4	2.52	1.31	1.82	3.3		.5	11		
1306	8/18		U.S.G.S.	5.4	2.29	1.33	1.84	3.04		.5/.6	14	0	
1307	8/18	1250 / 1258	WHISLER				1.83	2.71				0	

74D76M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U14-R

Daily discharge, in second-feet of ROCK CREEK (BIG ROCK 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	4.0	4.8	4.0	4.0	10	6.4	5.6	12	9.1	4.0	3.1	2.8
2	4.0	4.8	4.0	4.0	8.0	6.4	5.6	12	9.1	4.0	3.1	2.8
3	4.0	4.8	4.4	4.0	8.0	6.4	5.6	11	8.6	4.0	3.1	2.8
4	4.4	4.8	4.4	4.0	9.0	6.4	5.6	11	8.0	4.0	3.1	2.6
5	4.4	4.8	4.4	3.7	9.0	6.0	5.6	11	8.0	4.0	3.1	2.8
6	4.4	4.4	4.4	3.7	9.1	6.0	5.6	11	8.0	4.0	3.4	2.6
7	4.4	4.4	4.2	3.4	9.1	6.0	5.6	10	7.4	4.0	3.4	2.6
8	4.4	4.0	4.0	3.4	9.1	6.0	5.6	10	7.0	4.0	3.4	2.6
9	4.4	4.4	4.0	3.4	8.6	6.0	5.6	12	7.0	3.7	3.4	2.6
10	4.4	4.4	4.0	3.4	8.6	6.0	5.6	14	7.0	3.7	3.4	2.6
11	4.0	4.4	4.0	3.4	8.6	6.0	6.0	14	6.4	3.7	3.4	2.6
12	4.0	4.4	4.0	3.4	8.6	6.0	8.0	14	6.4	3.7	3.4	2.6
13	4.0	4.4	3.7	3.7	8.6	6.0	9.1	14	6.4	3.7	3.4	2.6
14	4.0	4.0	3.7	3.7	8.6	6.0	8.6	13	6.0	3.7	3.4	2.6
15	4.0	3.7	3.7	3.7	8.0	6.0	8.0	12	6.0	3.4	3.4	2.6
16	4.0	4.0	3.7	3.7	8.0	6.0	7.4	12	6.0	3.4	3.4	2.6
17	4.0	4.0	3.7	3.7	8.0	6.0	7.4	12	6.0	3.4	3.4	2.3
18	4.0	4.0	3.4	3.7	7.4	6.0	9.1	12	6.0	3.7	3.4	2.3
19	4.4	4.0	3.4	3.7	7.4	6.0	9.7	12	5.6	3.7	3.4	2.6
20	4.4	4.0	3.7	3.7	7.4	6.0	12	12	5.6	3.4	3.1	2.8
21	4.8	4.0	3.7	3.7	7.4	6.0	12	11	5.2	3.4	3.1	2.8
22	4.8	4.0	3.7	3.7	7.4	5.6	12	10	5.2	3.7	3.1	2.6
23	4.8	4.4	3.7	3.7	7.4	5.6	12	10	4.8	4.0	3.1	2.6
24	4.8	4.4	4.0	3.7	7.4	5.6	12	9.7	4.8	3.7	3.1	2.6
25	4.8	4.4	4.0	5.6	7.4	5.6	12	9.7	4.8	3.7	3.1	2.6
26	4.8	4.4	4.0	185	7.4	6.0	12	9.7	4.4	3.4	3.1	2.6
27	4.8	4.4	4.0	132	7.4	6.0	13	9.7	4.4	3.4	3.1	2.6
28	4.8	4.4	4.0	50	7.0	5.6	13	9.7	4.4	3.4	3.1	2.6
29	4.8	4.4	4.0	30	7.0	5.6	12	9.7	4.4	3.1	3.1	2.6
30	4.8	4.4	4.0	20		5.6	12	9.7	4.0	3.1	3.1	2.6
31	4.8		3.4	15		5.6		9.1		3.1	3.1	
	136.4	129.7	121.3	525.8	234.9	184.4	263.3	349.0	186.0	113.2	100.3	78.6
MEAN	4.40	4.32	3.91	17.0	8.10	5.95	8.78	11.3	6.20	3.65	3.24	2.62
ACRE-FEET	271.	257.	241.	1,040.	466.	366.	522.	692.	369.	225.	199.	156.

Remarks:

YEAR OR PERIOD MEAN 6.62
ACRE-FEET 4,800.

74D76M Gb 12-53

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 57

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.8	2.8	3.4	3.4	5.9	21	8.4	7.1	7.1	5.1	3.2	3.6
2	2.8	2.8	3.1	3.4	5.9	19	8.4	7.1	7.1	5.1	3.2	3.6
3	2.8	2.8	3.1	3.4	5.9	17	8.0	7.1	6.8	4.8	3.0	3.4
4	2.8	3.1	3.7	4.0	5.9	15	8.0	7.1	6.8	4.6	3.0	3.4
5	2.8	3.1	3.1	4.0	5.9	14	8.0	7.4	6.8	4.6	3.0	3.4
6	2.8	3.1	3.1	3.7	5.9	13	8.0	7.4	6.8	4.6	3.2	3.4
7	2.8	3.1	3.1	3.7	6.2	12	8.4	7.4	6.5	4.6	3.2	3.4
8	2.8	3.1	3.1	3.1	7.4	12	8.4	7.4	6.2	4.6	3.2	3.2
9	2.8	3.1	2.8	3.1	14	12	8.4	7.4	5.9	4.6	3.0	3.2
10	2.8	3.1	2.8	3.4	12	12	8.4	7.4	6.2	4.6	3.0	3.0
11	2.8	3.1	2.8	3.1	12	12	8.0	7.4	5.9	4.6	3.2	2.8
12	2.8	3.1	2.8	15	11	12	8.0	7.4	5.9	4.6	3.2	3.0
13	2.8	3.1	2.8	149	10	12	8.4	7.4	5.9	4.6	3.2	3.0
14	2.8	3.1	2.8	24	9.1	12	8.4	7.4	5.9	4.6	3.2	2.8
15	2.6	3.1	2.6	10	8.8	11	8.8	7.4	5.9	4.6	3.2	2.8
16	2.6	3.1	2.6	7.0	8.8	12	8.8	7.1	5.9	4.6	3.2	2.8
17	2.6	3.1	2.6	5.6	9.1	11	9.1	7.1	5.6	4.3	3.4	3.0
18	2.6	3.0	2.6	5.1	9.5	10	9.1	7.1	5.6	4.3	3.4	2.8
19	2.6	3.0	2.6	5.1	9.5	10	8.8	7.1	5.4	4.3	3.4	2.8
20	2.6	3.0	2.8	5.1	9.1	9.9	8.8	7.1	5.4	4.1	3.4	2.6
21	2.6	3.0	2.8	5.1	9.1	9.9	8.4	7.7	5.4	4.1	3.4	2.6
22	2.6	2.9	2.8	5.1	9.1	9.5	8.0	7.7	5.4	4.1	3.4	2.5
23	2.3	2.9	2.8	5.1	23	9.5	8.0	8.0	5.1	4.1	3.4	2.5
24	2.6	2.9	2.8	5.1	19	9.1	8.0	8.0	5.1	4.1	3.4	2.5
25	2.8	2.8	2.8	5.4	17	9.1	8.0	8.4	5.1	4.1	3.4	2.5
26	3.1	2.8	2.8	5.9	17	8.8	8.0	8.0	5.1	3.8	3.4	2.6
27	2.8	2.8	2.8	6.2	16	8.4	7.7	8.0	5.1	3.8	3.4	2.6
28	3.1	2.8	3.1	6.3	16	8.4	7.7	8.0	5.1	3.8	3.4	2.6
29	3.1	3.1	3.1	6.2		8.4	7.1	8.0	5.1	3.6	3.6	2.8
30	3.1	3.4	3.1	5.9		8.4	7.1	7.7	5.1	3.4	3.6	2.8
31	2.8		3.1	5.9		8.4		7.4		3.4	3.6	
	85.9	90.2	90.3	326.4	298.1	356.8	246.6	232.2	175.2	134.1	101.8	88.0
MEAN	2.77	3.01	2.91	10.5	10.6	11.5	8.22	7.49	5.84	4.33	3.28	2.93
ACRE-FEET	170.	179.	179.	647.	591.	708.	489.	461.	348.	266.	202.	175.

Remarks:

YEAR OR PERIOD MEAN 6.10
ACRE-FEET 4420.

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 ARE 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: INSTALLED JANUARY 16, 1948. A STEVENS A35 WAS IN SERVICE FROM OCTOBER 1, 1955 TO SEPTEMBER 30, 1957.

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, 1957.

EXTREMES OF DISCHARGE:
1955-56
MAXIMUM 324 SECOND-FEET JANUARY 26.
MINIMUM NO FLOW PART OF YEAR.
1956-57
MAXIMUM 313. SECOND-FEET, JANUARY 13.
MINIMUM NO FLOW PART OF YEAR.
1930-57 (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.

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 OR NEAR below Mill Creek 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.
485	10/6	1407 / 1410	TURNER	0.7	0.06	0.17	4.24	0.01		.5	5	0	FC60
486	10/20	0920 / 0925	HYDE	1.0	0.16	0.56	4.28	0.09		.5	5	0	FC44
487	10/27	0930 / 0944	"	1.0	0.15	0.60	4.28	0.09		.5	7	0	FC59
488	11/3	1048 / 1055	TURNER	5.0	0.87	0.15	4.32	0.13		.5	7	0	FC60
489	11/3	1056 / 1100	"	1.0	0.20	1.05	4.32	0.21		.5	5	0	"
490	11/10	1017 / 1020	GARDNER-TURNER	1.0	0.19	1.00	4.32	0.19		.5	5	0	"
491	11/17	1052 / 1059	TURNER	3.0	0.52	0.63	4.42	0.33		.5	7	0	"
492	11/23	1040 / 1048	HYDE	3.5	0.64	0.80	4.42	0.51		.5	6	0	"
493	12/1	1106 / 1113	HYDE-TURNER	3.3	0.63	0.92	4.44	0.58		.5	7	0	FC60
494	12/7	1050 / 1056	TURNER	3.4	0.76	0.88	4.47	0.67		.5	8	0	"
495	12/15	0915 / 0925	HYDE	4.0	0.84	0.71	4.47	0.60		.5	8	0	"
496	12/22	0855 / 0910	"	4.0	0.98	0.67	4.47	0.66		.5	9	0	"
497	12/29	0952 / 1002	"	4.0	1.02	0.86	4.48	0.88		.5	8	0	FC44
498	1/5	1131 / 1132	HYDE-LINDSAY	4.0	0.98	0.88	4.48	0.86		.5	9	0	FC60
499	1/12	0930 / 0944	HYDE	4.0	1.04	0.83	4.48	0.86		.5	9	0	"
500	1/19	0928 / 0947	"	3.3	0.83	1.01	4.47	0.84		.5	8	0	"
501	1/27	1610 / 1626	KASIMOFF-HUGHES	36.0	46.8	1.87	6.10	87.6		.6	15	-.02	FC44
502	1/27	1638 / 1652	" "	35.5	45.0	1.78	6.07	80.1		.6	15	-.02	FC44
503	1/30	2232 / 2250	GODFREY-POLZIN	10.2	7.35	1.61	4.94	11.8		.6	11	+.01	FC28
504	1/31	1023 / 1040	HYDE-BLAKE	19.0	10.4	0.94	4.90	9.8		.6	16	0	FC44
505	2/2	0927 / 0944	HYDE	8.2	5.26	1.25	4.72	6.6		.6	10	0	"
506	2/9	0905 / 0918	"	8.0	3.86	0.88	4.56	3.4		.6	11	0	"
507	2/16	0922 / 0935	SJOSTEDT-HYDE	7.8	3.69	0.81	4.54	3.0		.6	11	0	FC44
508	2/24	0920 / 0937	HYDE	8.0	4.75	1.16	4.68	5.5		.6	10	0	"
509	3/1	0858 / 0915	HYDE	7.7	3.72	0.91	4.54	3.4		.6	10	0	FC44
510	3/8	0908 / 0923	"	7.8	3.35	0.75	4.51	2.5		.6	10	0	"
511	3/15	0854 / 0910	"	7.6	3.24	0.74	4.50	2.4		.6	10	0	"
512	3/22	0900 / 0913	"	8.0	3.48	0.66	4.55	2.3		.6	10	0	"
513	3/29	0910 / 0927	"	7.5	3.19	0.69	4.53	2.2		.6	10	0	"
514	4/5	0922 / 0938	"	7.5	3.30	0.64	4.54	2.1		.6	10	0	FC60
515	4/14	0936 / 0955	"	10.0	7.03	1.56	4.95	11.0		.6	12	0	FC44
516	4/19	0930 / 0942	"	10.0	7.41	1.65	4.98	12.2		.6	13	0	"
517	4/26	0900 / 0910	"	8.0	4.37	1.03	4.65	4.5		.6	10	+.01	"
518	5/3	1000 / 1012	"	8.0	4.00	0.95	4.61	3.8		.6	9	0	"
519	5/10	1307 / 1320	"	9.5	7.12	1.57	4.93	11.2		.6	12	0	"
520	5/16	0952 / 1003	HYDE-LINDSAY	8.1	4.14	0.85	4.60	3.5		.6	10	0	"
521	5/23	1435 / 1450	FALCONE-HYDE	7.6	3.19	0.60	4.50	1.9		.6	9	0	"
522	5/31	0932 / 0945	HYDE	8.0	3.63	0.55	4.55	2.0		.6	10	0	"
523	6/7	0918 / 0930	"	8.0	3.17	0.44	4.53	1.4		.6	10	-.02	FC60
524	6/14	0910 / 0920	"	2.5	0.49	0.88	4.40	0.43		.5	6	0	"
525	6/21	0900 / 0910	"	2.7	0.59	0.90	4.41	0.53		.5	6	0	"
526	6/28	0922 / 0932	BOWMAN-HYDE	2.6	0.33	0.55	4.31	0.18		.5	6	0	"
527	7/5	0900 / 0906	HYDE-ROY	2.5	0.36	0.39	4.32	0.14		.5	6	0	"
528	7/13	0857 / 0902	HYDE	1.3	0.13	0.31	4.21	0.04		.5	4	0	"

DISCHARGE MEASUREMENTS OF BIG TUJUNGA CREEK

~~AT~~ NEAR below Mill Creek 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.	G. HT. CHANGE TOTAL	METER NO.
529	10/4	1223 / 1228	HYDE	2.0	0.35	0.43	4.32	0.15		.5	5	0	FC60
530	10/11	1015 / 1023	BOWMAN-HYDE	2.0	0.23	0.26	4.25	0.06		.5	5	0	"
531	10/18	0915 / 0920	HYDE	2.0	0.24	0.12	4.24	0.03		.5	5	0	"
532	10/25	0926 / 0930	"	2.0	0.25	0.24	4.26	0.06		.5	5	0	"
533	11/1	0938 / 0946	"	1.9	0.35	0.60	4.35	0.21		.5	6	0	"
534	11/8	1025 / 1032	"	2.4	0.41	0.76	4.36	0.31		.5	6	0	"
535	11/15	0920 / 0930	"	2.5	0.45	0.60	4.38	0.27		.5	6	0	"
536	11/21	0916 / 0922	HYDE-STUNDEN	2.5	0.44	0.77	4.39	0.34		.5	6	0	"
537	11/29	0910 / 0916	HYDE	2.5	0.45	0.98	4.39	0.44		.5	6	0	"
538	12/6	1100 / 1112	"	2.8	0.64	0.97	4.45	0.62		.5	7	0	"
539	12/13	0915 / 0925	HYDE	2.5	0.48	0.72	4.42	0.35		.5	7	0	"
540	12/20	0902 / 0910	"	2.4	0.51	0.69	4.43	0.35		.5	7	0	"
541	12/27	0925 / 0933	"	2.6	0.55	0.89	4.44	0.49		.5	7	0	"
542	1/3	0944 / 0952	"	2.6	0.60	0.93	4.46	0.56		.5	8	0	"
543	1/9	1015 / 1025	"	3.8	0.93	0.72	4.44	0.67		.5	8	0	"
544	1/15	1135 / 1145	"	6.2	2.93	1.40	4.67	4.1		.6	8	0	"
545	1/17	0924 / 0934	"	5.0	1.92	1.14	4.57	2.2		.5	7	0	"
546	1/24	1145 / 1155	"	5.0	1.96	1.12	4.57	2.2		.6	7	0	FC44
547	1/30	0852 / 0907	BOWMAN-HYDE	4.8	2.05	1.27	4.60	2.6		.5	9	0	"
548	2/6	0949 / 1002	HYDE	4.5	1.90	1.42	4.60	2.7		.5 .6	10	0	"
549	2/13	1221 / 1233	"	4.5	2.34	1.79	4.66	4.2		.6	8	0	"
550	2/20	1114 / 1127	"	4.3	1.81	1.22	4.56	2.2		.6	9	0	"
551	2/24	1100 / 1120	HYDE-FEIKER	15.0	10.6	2.18	5.29	23.2		.6	16	0	"
552	2/27	1021 / 1035	BROOK-HYDE	7.0	3.92	2.06	4.78	8.1		.6	9	0	FC44
553	3/1	1430 / 1450	HYDE	13.0	8.23	2.06	5.11	16.9		.6	15	-.02	"
554	3/7	0930 / 0934	"	7.0	3.51	1.57	4.70	5.5		.6	10	0	"
555	3/14	0940 / 0954	MC BRIDE-HYDE	7.0	3.02	1.19	4.65	3.6		.6	9	0	"
556	3/16	1237 / 1247	BOWMAN-HYDE	8.0	4.30	1.53	4.75	6.6		.6	11	0	"
557	3/20	1015 / 1027	HYDE	6.8	3.07	1.27	4.65	3.9		.5 .6	9	0	"
558	3/28	1055 / 1107	"	5.5	2.36	1.19	4.60	2.8		.5 .6	8	0	"
559	4/4	0925 / 0934	"	4.5	1.95	1.02	4.57	2.0		.6	7	0	"
560	4/11	0930 / 0940	"	4.5	1.92	0.99	4.55	1.9		.6	7	0	"
561	4/19	1217 / 1228	"	6.5	2.68	1.16	4.63	3.1		.6	9	-.01	"
562	4/25	0944 / 0956	"	6.0	2.57	1.17	4.60	3.0		.6	9	0	"
563	5/2	1025 / 1034	WOOD-HYDE	6.0	2.08	0.86	4.54	1.8		.5	9	0	"
564	5/9	0930 / 0940	HYDE	6.0	2.03	0.84	4.54	1.7		.5	7	0	FC60
565	5/16	1004 / 1012	"	4.5	1.76	1.59	4.62	2.8		.6	7	0	"
566	5/22	1253 / 1303	"	4.4	1.70	1.59	4.62	2.7		.6	7	0	"
567	5/28	1430 / 1442	ROY-HYDE	4.2	1.05	1.14	4.52	1.2		.5	7	0	FC58
568	6/5	0953 / 1002	HYDE	3.7	1.30	0.45	4.43	0.59		.5	7	0	"
569	6/13	0907 / 0918	BROOK-HYDE	4.3	1.24	0.62	4.46	0.77		.5	10	0	FC60
570	6/20	0917 / 0924	HYDE	2.5	0.28	0.61	4.37	0.17		.5	6	0	"

TEDTEM Gdb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F11IC-R

Daily discharge, in second-feet of BIG TUJUNGA CREEK below Mill Creek, for the year ending September 30, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	0.1	0.8	0.9	8.2	3.4	2.3	4.5	1.4	+	0	0
2		0.2	1.1	0.9	6.5	3.2	2.3	4.0	1.3	0.2	0	0
3		0.2	0.8	0.9	5.3	2.9	2.1	3.8	1.1	0.2		0
4		0.2	1.2	0.9	4.9	2.9	2.1	3.6	1.0	+	+	0
5		0.2	1.0	0.9	4.7	2.9	2.1	3.6	1.0		+	0
6		0.2	0.7	0.9	4.3	2.7	2.0	3.6	1.2		0	0
7		0.2	0.7	0.9	4.0	2.6	1.8	3.4	0.8		0	0
8		0.2	0.7	0.9	3.8	2.7	1.8	3.4	0.8		0	0
9		0.2	0.7	0.8	3.4	2.7	1.8	11	0.7		0	0
10		0.2	0.7	0.8	3.4	2.6	2.0	13	0.5		0	0
11		0.2	0.6	0.9	3.2	2.6	2.3	7.2	0.4		0	0
12		0.3	0.6	0.9	3.2	2.4	14	5.9	0.3		0	0
13		0.4	0.6	0.9	3.2	2.4	17	4.9	0.3		0	0
14		1.7	0.6	0.9	3.2	2.4	11	4.0	0.4		0	0
15		0.4	0.6	0.9	3.0	2.3	8.5	3.6	0.5		0	0
16		0.3	0.7	0.9	2.9	2.3	12	3.0	0.4	+	0	0
17		0.3	0.7	0.9	2.9	2.3	16	3.0	0.4	0	0	0
18		0.4	0.7	0.9	2.9	2.3	19	3.0	0.3	0	0	0
19		0.3	0.7	0.9	2.7	2.3	11	2.7	0.2	0	0	0
20	+	0.3	0.7	0.9	2.7	2.3	8.2	2.6	0.3	0	0	0
21	0.1	0.6	0.7	0.9	2.7	2.3	6.3	2.4	0.3	0	0	+
22	0.1	0.6	0.7	0.9	2.7	2.3	5.1	2.3	0.3	0	0	+
23	+	0.5	0.8	1.0	4.0	2.3	4.7	2.3	0.3	0	0	0
24		0.5	0.9	1.0	5.3	2.1	4.3	2.3	0.2	0	0	0
25		0.5	1.1	3.2	4.1	2.1	4.3	2.3	0.2	0	0	0
26		0.5	1.1	14.6	4.0	2.1	6.0	2.3	+	0	0	0
27		0.5	1.2	12.2	3.8	2.1	10	2.3		0	0	0
28	+	0.5	0.9	2.9	3.6	2.1	6.7	2.3		0	+	0
29	0.1	0.6	0.9	1.4	3.6	2.1	5.5	2.1		0	+	0
30	0.1	0.6	0.9	1.0		2.1	4.7	2.1	+	0	+	0
31	0.1		0.9	1.0		2.1		1.6		0	0	
	0.5	11.9	25.0	35.8	112.2	75.9	196.9	118.1	14.6	0.4	+	+
MEAN	0.02	0.40	0.81	11.5	3.87	2.45	6.56	3.81	0.49	0.01	+	+
ACRE-FEET	1.0	24.	50.	706.	223.	151.	391.	234.	29.	0.8	+	+

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 2.49
ACRE-FEET 1810.

76DT6M Cab 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

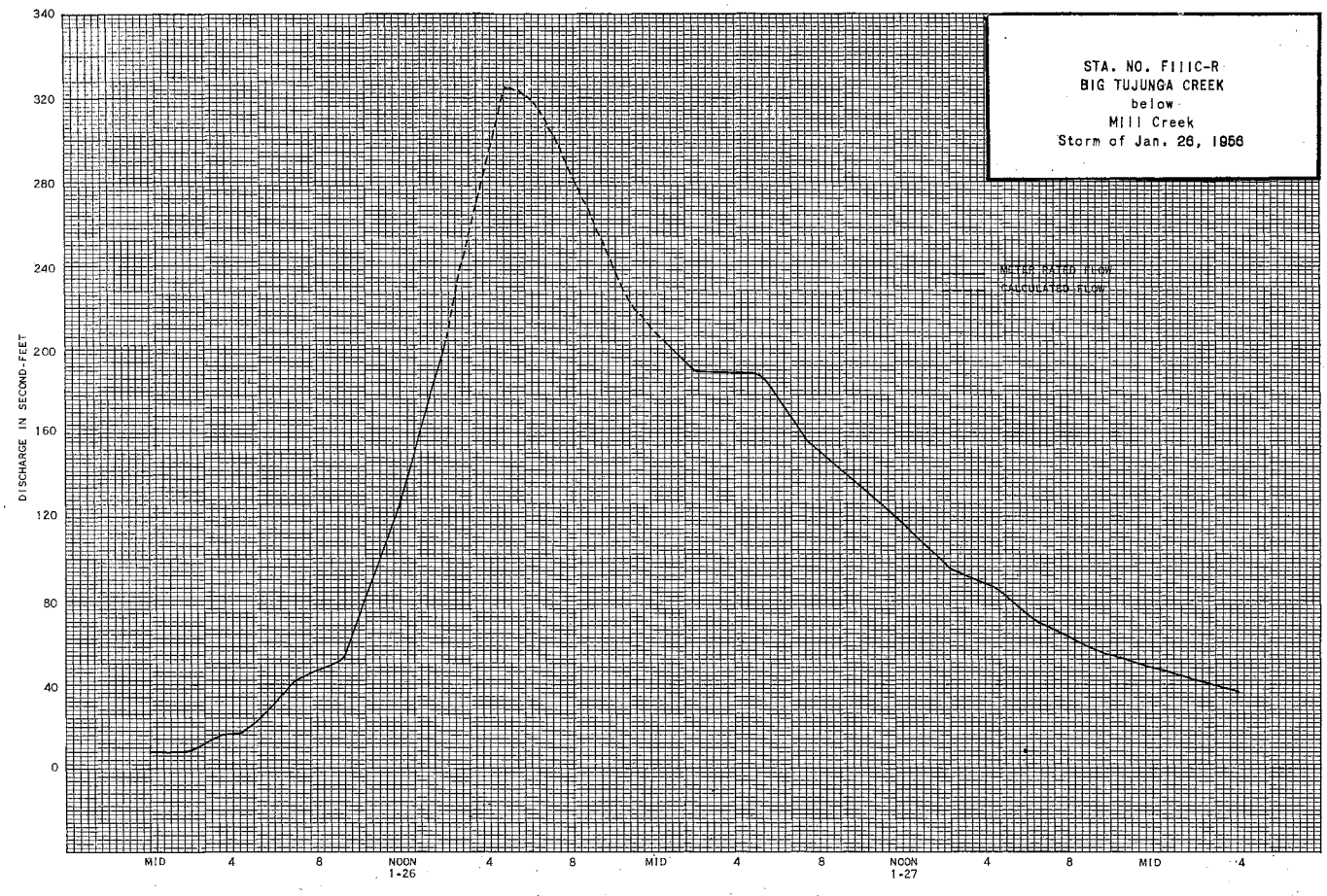
Sta. No. F111C-R

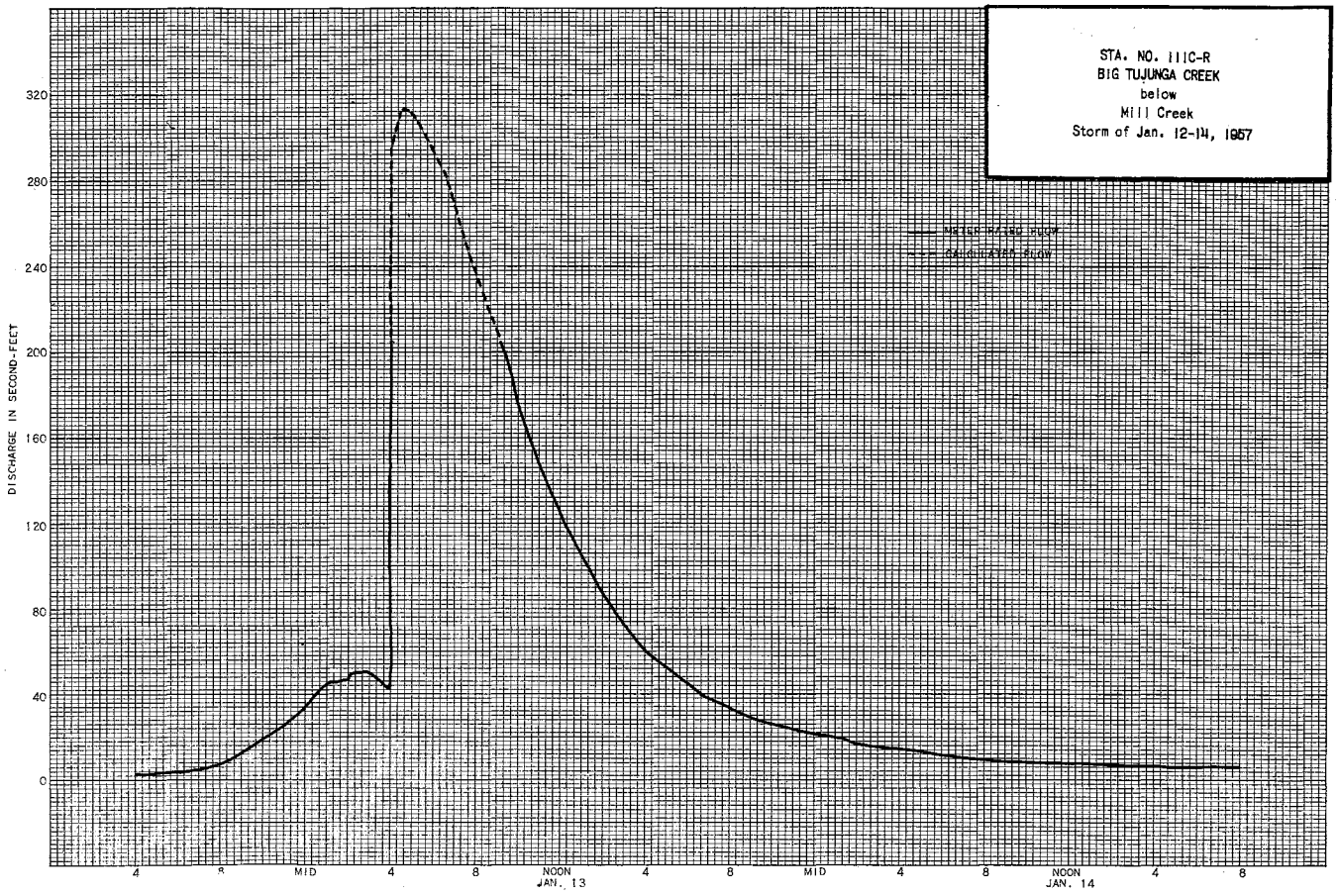
Daily discharge, in second-feet of BIG TUJUNGA CREEK below Mill Creek, for the year ending September 30, 19 57

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	0.2	0.4	0.6	3.0	19	2.7	1.6	0.9	0	0	0
2		0.2	0.4	0.6	3.0	11	2.3	1.8	0.7	0	0	0
3		0.2	0.3	0.6	3.0	8.2	2.0	1.6	0.7	0	0	0
4		0.3	0.3	0.7	3.0	6.7	2.0	1.5	0.6	0	0	0
5		0.3	0.4	2.0	2.9	6.1	2.0	1.5	0.4	0	0	0
6		0.3	0.6	1.1	2.9	5.7	2.0	1.4	0.4	0	0	0
7		0.3	0.4	1.0	2.9	5.5	2.0	1.5	0.4	0	0	0
8		0.3	0.3	1.0	3.6	5.1	1.8	1.8	0.6	0	0	0
9		0.3	0.3	0.7	5.5	5.5	2.0	1.8	0.9	0	0	0
10		0.3	0.3	1.1	7.0	5.5	2.0	2.3	1.2	0	0	0
11		0.3	0.3	1.0	6.1	4.1	2.0	5.9	1.2	0	0	0
12		0.3	0.3	4.7	4.9	4.0	2.0	6.7	0.8	0	0	0
13		0.3	0.3	112	4.1	3.8	1.8	3.8	0.6	0	0	0
14		0.3	0.3	9.7	3.8	3.4	1.8	3.4	0.5	0	0	0
15		0.3	0.3	4.7	3.4	3.2	1.8	3.4	0.5	0	0	0
16		0.3	0.3	3.0	2.9	5.3	1.8	2.7	0.4	0	0	0
17		0.3	0.3	2.4	2.7	5.3	2.3	2.3	0.2	0	0	0
18		0.3	0.3	2.1	2.4	4.7	4.5	2.3	+	0	0	0
19		0.3	0.3	1.8	2.3	4.5	3.0	4.1		0	0	0
20		0.3	0.3	2.3	2.3	4.0	3.6	3.4		0	0	0
21		0.3	0.3	2.6	2.3	3.8	4.3	3.2		0	0	0
22		0.3	0.3	2.0	2.3	3.6	4.3	2.7		0	0	0
23		0.4	0.4	2.0	3.0	3.6	3.8	2.6		0	0	0
24		0.4	0.4	2.1	2.4	3.4	3.4	2.6	+	0	0	0
25		0.4	0.5	2.3	1.3	3.4	3.2	2.0	0	0	0	0
26		0.4	0.5	2.9	8.8	3.2	2.7	1.5	0	0	0	0
27		0.5	0.5	2.9	7.7	3.0	2.6	1.3	0	0	0	0
28		0.5	0.5	2.4	10	2.9	2.1	1.3	0	0	0	0
29	+	0.5	0.5	2.7		2.9	2.0	1.3	0	0	0	0
30	0.1	0.4	0.6	2.7		2.9	1.8	1.3	0	0	0	0
31	0.2		0.6	2.7		2.7		1.2		0	0	
	0.3	9.8	11.8	1d0.4	219.8	156.0	75.6	75.8	11.0	0	0	0
MEAN	0.01	0.33	0.38	5.81	7.85	5.03	2.52	2.44	0.37	0	0	0
ACRE-FEET	0.6	19.	23.	358.	436.	309.	150.	150.	22.0	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 2.03
ACRE-FEET 1470.





STATION F16B-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: INSTALLED ON NOVEMBER 8, 1932; WASHED OUT DURING THE MARCH 2, 1938 STORM. INSTALLED ON MAY 31, 1938 IN A CONCRETE HOUSE OVER A 4 FT. X 4 FT. CONCRETE WELL AT APPROXIMATELY THE SAME LOCATION AS THE OLD WELL. AN AU CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1955 TO SEPTEMBER 30, 1957.

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, 1957.

EXTREMES OF DISCHARGE:

1955-56
MAXIMUM 148 SECOND-FEET JANUARY 26.
MINIMUM 0.1 SECOND-FOOT VARIOUS TIMES

1956-57
MAXIMUM 42.6 SECOND-FEET MAY 22.
MINIMUM PLUS FLOW SEVERAL DAYS IN OCTOBER

1932-57
MAXIMUM 33,000 SECOND-FEET, ESTIMATED MARCH 2, 1938.
MINIMUM NO FLOW SEVERAL DAYS IN OCTOBER 1936.

ACCURACY: GOOD.

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, 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.	S. MT. CHANGE TOTAL	METER NO.
1521	10/6	1030 / 1055	TURNER	18.3	21.5	0.60	4.10	13.0		.6	20	0	FC43
1522	10/6	1125 / 1145	"	18.3	21.5	0.70	4.10	15.1		.6	20	0	FC60
1523	10/13	1015 / 1035	WHISLER	18.0	17.3	0.53	3.90	9.2		.6	20	0	"
1524	10/20	1326 / 1345	HYDE	17.5	11.6	0.11	3.56	1.3		.6	12	0	FC59
1525	10/27	1140 / 1204	"	3.5	0.70	1.43	3.39	1.0		.5	8	0	"
1526	11/3	1516 / 1525	TURNER	3.0	0.67	1.49	3.41	1.0		.5	9	0	FC60
1527	11/10	1305 / 1315	GARDNER-TURNER	3.6	0.81	1.36	3.38	1.1		.5	9	0	"
1528	11/17	1309 / 1315	TURNER	2.9	0.71	0.75	3.36	0.53		.5	7	0	"
1529	11/23	1245 / 1252	HYDE	2.5	0.34	0.26	3.10	0.09		.5	5	0	FC35
1530	12/1	0852 / 0957	HYDE-TURNER	2.4	0.26	0.46	3.10	0.12		.5	6	0	FC60
1531	12/7	1347 / 1352	TURNER	2.2	0.19	0.47	3.07	0.09		.5	6	0	"
1532	12/15	1225 / 1230	HYDE	2.0	0.22	0.50	3.07	0.11		.5	6	0	"
1533	12/22	1410 / 1420	"	1.8	0.12	0.50	3.06	0.06		.5	6	0	"
1534	12/29	1426 / 1434	"	1.9	0.14	0.57	3.05	0.08		.5	6	0	"
1535	1/5	1330 / 1335	HYDE-LINDSAY	1.9	0.15	0.53	3.04	0.08		.5	6	0	"
1536	1/12	1312 / 1326	HYDE	2.0	0.16	0.56	3.03	0.09		.5	6	0	"
1537	1/17	1530 / 1540	HYDE-FALCONE	2.0	0.43	0.42	3.02	0.18		.5	6	0	"
1538	1/19	1350 / 1400	HYDE	2.0	0.43	0.51	3.02	0.22		.5	6	0	"
1539	1/26	2222 / 2250	KASIMOFF-HUGHES	53.0	86.8	1.58	5.32	137.		.6	12	0	FC23
1540	1/27	0740 / 0805	" "	54.0	90.6	1.63	5.36	148.		.6	13	+	"
1541	1/27	1854 / 2015	" "	48.0	72.0	1.51	5.03	109.		.6	11	0	"
1542	1/28	1705 / 1733	GODFREY	32.0	39.4	1.42	4.58	56.1		2 from .6	18	0	FC28
1543	1/31	0718 / 0735	"	31.0	36.6	1.48	4.54	54.2		2 from .6	18	0	"
1544	2/2	1405 / 1415	HYDE	1.95	0.61	1.30	3.13	0.79		.5	8	0	FC60
1545	2/9	1418 / 1428	"	2.0	0.47	1.00	3.07	0.47		.5	6	0	"
1546	2/16	1348 / 1355	SJOSTEDT-HYDE	2.0	0.45	0.98	3.04	0.44		.5	7	0	"
1547	2/24	1350 / 1356	HYDE	2.0	0.37	1.14	3.03	0.42		.5	6	0	"
1548	3/1	1300 / 1308	"	2.0	0.38	0.95	3.02	0.36		.5	6	0	"
1549	3/8	1420 / 1427	HYDE-SCHONNING	2.0	0.37	0.94	3.02	0.35		.5	5	0	"
1550	3/15	1435 / 1440	" "	2.0	0.42	0.71	3.02	0.30		.5	6	0	"
1551	3/22	1552 / 1600	" "	2.0	0.44	0.66	3.05	0.29		.5	7	0	"
1552	3/29	1412 / 1420	" "	2.0	0.45	0.53	3.09	0.24		.5	7	0	"
1553	4/5	1434 / 1440	" "	2.0	0.57	0.56	3.12	0.32		.5	6	0	"
1554	4/14	1416 / 1422	HYDE	2.0	0.74	0.77	3.18	0.57		.5	6	0	"
1555	4/19	1445 / 1456	"	10.0	5.20	1.33	3.64	6.9		.6	12	0	"
1556	4/26	1158 / 1210	"	10.5	5.83	1.23	3.68	7.2		.6	12	0	FC35
1557	5/3	1422 / 1434	"	10.4	5.90	1.17	3.70	6.9		5 from .6	12	0	"
1558	5/10	1030 / 1042	"	10.0	5.99	1.10	3.71	6.6		.6	12	0	FC60
1559	5/16	1433 / 1429	HYDE-SCHONNING	10.5	5.58	1.16	3.68	6.5		5 from .6	13	0	"
1560	5/24	1224 / 1234	HYDE	9.6	4.17	1.61	3.54	6.7		.5	11	0	FC35
1561	5/31	1358 / 1412	"	10.0	4.19	1.74	3.53	7.3		.5	13	0	FC60
1562	6/7	1255 / 1307	HYDE-TURNER	10.0	4.19	1.50	3.54	6.3		.6	12	0	FC35
1563	6/14	1415 / 1426	HYDE-SCHONNING	10.0	4.19	1.48	3.54	6.2		.5	11	0	FC23
1564	6/21	1300 / 1314	HYDE	10.0	4.94	1.60	3.63	7.9		5 from .6	11	0	FC35
1565	6/28	1343 / 1305	BOWMAN-HYDE	10.5	4.83	1.43	3.63	6.9		5 from .6	13	0	"
1566	7/5	1305 / 1318	HYDE-ROY	10.5	5.84	1.40		8.2		5 from .6	13	0	FC60
1567	7/5	1348 / 1408	FALCONE-ROY	10.5	4.98	1.51	3.65	7.5		.6	14	-.02	"
1568	7/12	1525 / 1540	HYDE	10.3	5.19	1.39	3.67	7.2		5 from .6	13	0	FC35
1569	7/19	1136 / 1150	HYDE-SCHONNING	11.0	5.01	1.46	3.70	7.3		.5	14	0	FC60
1570	7/26	1240 / 1258	HYDE	13.5	7.98	1.15	3.86	9.2		.6	15	0	FC35
1571	8/2	1308 / 1326	"	12.5	9.22	0.93	3.97	8.6		.6	17	0	"
1572	8/9	1140 / 1213	"	15.5	11.6	0.65	4.07	7.5		.6	16	0	"
1573	8/16	1144 / 1209	"	21.0	18.0	0.80	4.31	14.4		.6	17	0	"
1574	8/23	0912 / 0930	"	17.0	14.4	0.72	4.14	10.3		.6	18	0	"
1575	8/30	1256 / 1312	"	15.0	13.5	0.74	4.16	10.0		.6	15	0	"
1576	9/4	1026 / 1034	"	13.0	10.5	0.44	3.97	4.6		.6	12	0	"
1577	9/6	1352 / 1400	"	3.0	1.20	0.49	3.45	0.59		.6	7	0	"
1578	9/12	1038 / 1048	BLAKELY	3.5	1.42	0.37	3.50	0.52		.5	6	0	FC53
1579	9/19	1331 / 1339	"	3.5	1.36	0.32	3.50	0.44		.5	7	0	"
1580	9/27	1300 / 1310	HYDE	3.5	1.42	0.34	3.52	0.49		.5	8	0	FC60

DISCHARGE MEASUREMENTS OF BIG TUJUNGA CREEK

~~AT~~ NEAR below Big Tujunga Dam DURING THE YEAR ENDING SEPTEMBER 30, 1957

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.
1581	10/4	0947 / 0957	HYDE	3.6	1.62	0.47	3.47	0.76		5 from .6	8	0	FC35
1582	10/18	1310 / 1314	"	1.3	0.17	0.53	3.13	0.09		.5	4	0	FC60
1583	10/25	1220 / 1227	"	1.4	0.20	0.45	3.12	0.09		.5	4	0	"
1584	11/1	1345 / 1350	"	1.5	0.20	0.40	3.06	0.08		.5	4	0	"
1585	11/8	1350 / 1355	"	1.5	0.21	0.33	3.02	0.07		.5	5	0	"
1586	11/15	1354 / 1358	"	1.5	0.20	0.45	3.04	0.09		.5	4	0	"
1587	11/21	1450 / 1455	HYDE-STUNDEN	1.5	0.15	0.53	3.03	0.08		.5	4	0	"
1588	11/29	1315 / 1318	HYDE	1.5	0.20	0.55	2.96	0.11		.5	4	0	"
1589	12/6	1338 / 1342	"	1.5	0.22	0.29	2.96	0.13		.5	4	0	"
1590	12/13	1402 / 1405	"	1.5	0.18	0.50	2.92	0.09		.5	4	0	"
1591	12/20	1413 / 1417	"	1.5	0.20	0.50	2.90	0.10		.5	4	0	"
1592	12/27	1508 / 1511	"	1.6	0.19	0.53	2.90	0.10		.5	4	0	"
1593	1/3	1455 / 1459	"	1.6	0.19	0.58	2.89	0.11		.5	4	0	"
1594	1/9	1415 / 1421	"	2.0	0.33	0.67	2.93	0.22		.5	5	0	"
1595	1/17	1333 / 1343	"	2.0	0.46	0.72	2.99	0.33		.5	6	0	"
1596	1/24	1014 / 1018	HYDE-SCHONNING	2.5	0.44	0.55	2.99	0.24		.5	6	0	"
1597	1/30	1308 / 1320	BOWMAN-HYDE	2.1	0.50	0.82	3.10	0.41		.5	6	0	"
1598	2/6	1517 / 1522	HYDE	2.3	0.40	0.50	3.04	0.20		.5	6	0	"
1599	2/13	1427 / 1433	"	2.5	0.88	0.45	3.01	0.17		.5	6	0	"
1600	2/20	1333 / 1341	"	2.3	0.33	0.54	3.00	0.18		.5	6	0	"
1601	2/24	1019 / 1024	HYDE-FEIKER	2.6	0.65	0.62	3.08	0.40		.5	5	0	"
1602	2/27	1450 / 1456	BROOK-HYDE	2.3	0.55	0.51	3.06	0.28		.5	6	0	"
1603	3/5	1000 / 1009	HYDE	12.0	6.07	1.43	3.65	8.7		.6	13	0	FC35
1604	3/7	1402 / 1418	"	11.0	6.45	1.38	3.66	8.9		.6	13	0	"
1605	3/8	0840 / 0850	"	11.0	4.03	0.87	3.46	3.5		.5	12	0	"
1606	3/14	1408 / 1428	MC BRIDE-HYDE	11.5	4.73	0.74	3.51	3.5		.6	13	0	"
1607	3/16	1145 / 1200	BOWMAN-HYDE	10.5	4.91	0.80	3.53	3.9		.6	12	0	"
1608	3/20	1405 / 1420	HYDE	9.4	4.71	0.78	3.54	3.7		.6	11	0	"
1609	3/28	1412 / 1420	"	4.5	1.66	0.84	3.31	1.4		.5	7	0	FC60
1610	4/4	1300 / 1305	"	4.5	1.43	0.84	3.28	1.2		.5	6	0	"
1611	4/11	1352 / 1400	"	4.5	1.19	1.00	3.21	1.2		.5	7	0	"
1612	4/18	1458 / 1505	"	4.5	1.07	1.22	3.19	1.3		.5	7	0	"
1613	4/25	1340 / 1346	"	4.5	1.07	1.12	3.18	1.2		.5	7	0	"
1614	5/2	1410 / 1417	WOOD-HYDE	4.4	1.06	1.22	3.19	1.3		.5	8	0	"
1615	5/9	1315 / 1321	HYDE	4.5	1.13	1.24	3.21	1.4		.5	7	0	"
1616	5/16	1435 / 1445	"	4.4	1.19	1.18	3.24	1.4		.5	7	0	"
1617	5/22	0828 / 0840	"	4.4	1.26	1.11	3.27	1.4		.5	8	0	"
1618	5/27	1600 / 1608	ROY-HYDE	6.5	1.33	0.98	3.13	1.3		.5	8	0	FC58
1619	5/29	0955 / 1003	HYDE	6.5	1.47	0.95	3.14	1.4		.5	9	0	"
1620	6/5	1450 / 1500	HYDE-FLOOD	12.0	6.85	0.69	3.42	4.7		.6	10	0	"
1621	6/13	1410 / 1422	BROOK-HYDE	9.0	4.26	1.03	3.43	4.4		.6	12	0	FC60
1622	6/20	1318 / 1332	HYDE	8.7	4.84	1.08	3.47	5.2		.6	10	0	"
1623	6/27	1305 / 1320	"	9.1	5.13	1.05	3.47	5.4		.6	12	0	"
1624	7/3	1357 / 1410	"	9.5	5.42	0.98	3.47	5.3		.6	11	0	"
1625	7/11	1228 / 1245	"	9.5	5.54	0.96	3.48	5.3		.6	13	0	"
1626	7/18	1336 / 1351	"	9.8	6.14	0.81	3.53	5.0		.6	13	0	"
1627	7/25	1417 / 1435	"	10.3	7.13	0.67	3.61	4.8		.6	13	0	"
1628	8/1	1156 / 1213	"	9.8	7.99	0.59	3.72	4.7		.6	12	0	FC60
1629	8/8	1215 / 1232	"	10.4	9.59	0.42	3.83	4.5		.6	13	0	"
1630	8/14	0905 / 0924	ROY-BROOK		CHANNELS		3.91	4.5		.6	12	0	FC51
1631	8/15	1207 / 1225	HYDE	9.0	5.36	0.84	3.42	4.5		.6	12	0	FC60
1632	8/22	1328 / 1348	BOWMAN-HYDE	9.0	5.38	0.80	3.41	4.3		.6	11	0	"
1633	8/27	1335 / 1355	BOWMAN	9.4	7.16	1.06	3.55	7.6		5 from .6	12	0	"
1634	8/29	1330 / 1345	"	9.2	6.27	0.78	3.44	4.8		5 from .6	12	0	"
1635	9/5	1225 / 1245	"	9.5	7.17	0.67	3.48	4.8		5 from .6	12	0	"
1636	9/12	1234 / 1255	HYDE	10.8	9.50	0.81	3.66	7.7		.6	13	0	FC58

WDI74M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F16C-R

Daily discharge, in second-feet of BIG TUJUNGA CREEK below Big Tujunga Dam, for the year ending September 30, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	14.8	1.0	0.1	0.1	1.1	0.4	0.3	6.8	6.3	7.6	8.6	6.1
2	14.4	1.0	0.1	0.1	0.8	0.4	0.3	6.8	6.3	7.6	8.6	4.7
3	14.0	1.0	0.1	0.1	0.7	0.4	0.3	6.8	6.3	7.9	8.3	4.1
4	14.2	1.0	0.2	0.1	0.7	0.4	0.3	6.8	6.3	8.1	8.3	2.8
5	15.2	1.0	0.2	0.1	0.6	0.3	0.3	6.8	6.3	7.4	7.9	0.6
6	15.2	1.0	0.2	0.1	0.5	0.3	0.3	6.8	6.3	7.4	7.9	0.6
7	14.4	1.0	0.1	0.1	0.5	0.3	0.3	6.8	6.3	7.4	7.9	0.6
8	14.0	1.0	0.1	0.1	0.5	0.3	0.3	6.8	6.3	7.4	7.6	0.6
9	12.9	1.1	0.1	0.1	0.5	0.3	0.3	7.2	6.3	7.2	7.4	0.6
10	11.3	1.1	0.1	0.1	0.5	0.3	0.3	6.8	6.3	7.2	7.6	0.5
11	11.0	1.1	0.1	0.1	0.5	0.3	0.4	6.8	6.1	7.2	7.9	0.5
12	10.4	1.2	0.1	0.1	0.5	0.3	0.9	6.8	6.1	7.2	7.9	0.4
13	9.0	1.2	0.1	0.1	0.5	0.3	0.8	6.8	6.1	7.2	8.1	0.4
14	7.9	1.3	0.1	0.1	0.5	0.3	0.6	6.8	6.1	7.2	8.1	0.5
15	6.7	1.1	0.1	0.1	0.5	0.3	0.6	6.8	6.1	7.4	8.1	0.5
16	5.3	1.0	0.1	0.2	0.4	0.3	3.5	6.5	6.1	7.4	12.0	0.5
17	3.8	0.9	0.1	0.2	0.4	0.3	6.1	6.5	6.1	7.2	14.4	0.5
18	2.9	0.2	0.1	0.2	0.4	0.3	6.3	a 6.5	6.1	7.4	11.0	0.5
19	2.8	0.1	0.1	0.2	0.4	0.3	6.8	6.5	6.1	7.4	14.0	0.5
20	2.3	0.1	0.1	0.2	0.4	0.3	6.8	6.5	6.8	7.4	16.3	0.5
21	1.3	0.2	0.1	0.2	0.4	0.3	6.8	a 6.5	7.6	7.4	14.8	0.5
22	1.2	0.1	0.1	0.2	0.4	0.3	6.8	6.7	7.6	7.4	13.6	0.5
23	1.2	0.1	0.1	0.3	0.5	0.3	6.8	6.7	7.6	8.3	10.4	0.5
24	1.1	0.1	0.1	0.3	0.4	0.3	6.8	6.7	7.6	9.0	10.1	0.5
25	1.1	0.1	0.1	0.4	0.4	0.3	6.8	6.7	7.6	9.3	9.0	0.5
26	1.1	0.1	0.1	2.0	0.4	0.3	7.0	6.7	7.6	9.3	8.6	0.5
27	1.0	0.1	0.1	13.5	0.4	0.2	7.2	6.7	7.6	9.3	7.4	0.5
28	1.0	0.1	0.1	7.9	0.4	0.2	7.2	6.7	7.3	9.3	7.0	0.5
29	1.0	0.1	0.1	5.6	0.4	0.2	7.0	6.5	7.4	0.9	9.2	0.4
30	1.0	0.1	0.1	5.6		0.3	6.8	6.5	7.6	0.9	9.5	0.4
31	1.0		0.1	3.8		0.3		6.3		8.8	7.6	
	214.5	19.5	3.4	387.9	14.6	9.4	105.0	207.6	200.2	244.3	295.1	30.8
MEAN	6.92	0.65	0.11	12.5	0.50	0.30	3.50	6.70	6.67	7.88	9.52	1.03
ACRE-FEET	425.	39.	6.7	769.	29.	19.	208.	412.	397.	485.	585.	61.

Remarks:

YEAR OR PERIOD MEAN 4.73
ACRE-FEET 3440.

WDI74M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. 16B-R

Daily discharge, in second-feet of BIG TUJUNGA CREEK below Big Tujunga Dam, for the year ending September 30, 1957

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.4	0.1	0.1	0.1	0.4	0.5	1.3	1.3	3.2	5.3	4.7	4.9
2	0.5	0.1	0.1	0.1	0.3	0.4	1.3	1.3	4.8	5.3	4.5	4.8
3	0.6	0.1	0.1	0.1	0.2	0.4	1.3	1.3	4.8	5.3	4.5	4.8
4	0.6	0.1	0.1	0.1	0.2	3.0	1.2	1.3	4.7	5.3	4.5	4.8
5	0.2	0.1	0.1	0.3	0.2	8.3	1.2	1.3	4.7	5.3	4.5	4.9
6	0.2	0.1	0.1	0.2	0.2	8.6	1.3	1.5	4.7	5.3	4.5	4.9
7	0.2	0.1	0.1	0.2	0.2	7.4	1.3	1.4	4.7	5.3	4.5	4.9
8	0.1	0.1	0.1	0.2	0.2	3.6	1.3	1.4	4.7	5.3	4.5	4.9
9	0.1	0.1	0.1	0.2	0.2	3.6	1.3	1.4	4.7	5.3	4.5	4.9
10	+	0.1	0.1	0.2	0.2	3.6	1.2	1.5	4.7	5.3	4.5	4.9
11		0.1	0.1	0.2	0.2	3.6	1.2	1.6	4.8	5.3	4.5	5.5
12		0.1	0.1	0.4	0.2	3.6	1.2	1.6	4.8	5.2	4.5	7.2
13		0.1	0.1	1.0	0.2	3.6	1.2	1.4	4.8	5.2	4.5	7.2
14		0.1	0.1	0.5	0.2	3.6	1.2	1.4	4.8	5.1	4.5	7.2
15		0.1	0.1	0.4	0.2	3.8	1.2	1.4	4.8	5.1	4.5	7.0
16	+	0.1	0.1	0.4	0.1	3.9	1.2	1.4	4.8	5.1	4.4	7.0
17	0.1	0.1	0.1	0.3	0.2	3.8	1.3	1.4	4.8	5.1	4.4	6.8
18	0.1	0.1	0.1	0.3	0.2	3.7	1.3	1.4	5.1	5.1	4.3	6.7
19	0.1	0.1	0.1	0.3	0.2	3.7	1.3	1.4	5.3	5.1	4.3	6.7
20	0.1	0.1	0.1	0.4	0.2	3.7	1.4	1.4	5.3	5.1	4.3	6.7
21	0.1	0.1	0.1	0.3	0.2	3.1	1.3	1.4	5.3	4.9	4.3	6.7
22	0.1	0.1	0.1	0.3	0.2	1.6	1.3	2.7	5.3	4.9	4.3	6.7
23	0.1	0.1	0.1	0.2	0.6	1.5	1.3	1.4	5.4	4.9	4.3	6.7
24	0.1	0.1	0.1	0.2	0.4	1.5	1.3	1.4	5.3	4.8	4.3	6.7
25	0.1	0.1	0.1	0.3	0.3	1.5	1.2	1.4	5.3	4.8	4.3	6.7
26	0.1	0.1	0.1	0.5	0.3	1.4	1.2	1.4	5.3	4.8	4.3	6.5
27	0.1	0.1	0.1	0.5	0.3	1.4	1.2	1.3	5.3	4.8	5.5	6.5
28	0.1	0.1	0.1	0.5	0.4	1.4	1.2	1.3	5.3	4.8	4.9	6.5
29	0.1	0.1	0.1	0.4		1.4	1.3	1.4	5.3	4.8	4.9	6.5
30	0.1	0.1	0.1	0.4		1.4	1.3	1.4	5.3	4.8	4.9	6.5
31	0.1		0.1	0.4		1.3		1.4		4.8	4.9	
	4.4	3.0	3.1	9.9	6.9	93.9	37.8	44.6	148.1	157.5	140.3	182.7
MEAN	0.14	0.1	0.1	0.32	0.25	3.03	1.26	1.44	4.94	5.08	4.52	6.09
ACRE-FEET	8.7	5.9	6.1	20.	14.	186.	75.	88.	294.	312.	278.	362.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 2.28
ACRE-FEET 1650.

STATION F213-R
BIG TUJUNGA CREEK above Gold Canyon

LOCATION: WATER-STAGE RECORDER, LAT. 34°18'02", LONG. 118°16'02", ON THE LEFT (SOUTH) BANK 2 MILES ABOVE MOUTH OF CANYON 7 MILES BELOW BIG TUJUNGA DAM AND ABOUT 4 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: INSTALLED IN 1932 OVER A 36-INCH CORRUGATED IRON PIPE STILLING WELL. AN AU CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1955 TO SEPTEMBER 30, 1957.

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, 1957. (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:

1955-56
MAXIMUM 301 SECOND-FEET JANUARY 27.
MINIMUM 0.3 SECOND-FOOT VARIOUS TIMES IN SEPTEMBER

1956-57
MAXIMUM 60.4 SECOND FEET, JANUARY 13.
MINIMUM 0.2 SECOND-FEET AT TIMES IN OCTOBER AND NOVEMBER.

1916-1957
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

~~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.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1483	10/4	0927 / 0940	TURNER	21.5	12.8	1.07	8.75	13.7		.6	13	0	FC43
1484	10/6	0850 / 0905	"	25.0	13.7	1.10	8.78	15.1		.6	15	0	"
1485	10/13	0855 / 0910	"	20.6	12.0	0.87	8.70	10.4		.5 / .6	15	0	FC60
1486	10/20	1505 / 1522	HYDE	15.0	8.28	0.34	8.46	2.8		.5 / .6	14	0	FC59
1487	10/27	1345 / 1355	"	14.5	4.67	0.30	8.36	1.4		.5	11	0	"
1488	11/3	0938 / 0945	TURNER	3.1	1.24	1.13	8.32	1.4		.5	8	0	FC60
1489	11/8	1110 / 1115	GARDNER-TURNER	3.2	1.31	0.76	8.30	1.0		.5	8	0	"
1490	11/17	1506 / 1515	TURNER	3.4	1.55	1.35	8.39	2.1		.5 / .6	8	0	"
1491	11/23	1500 / 1507	HYDE	4.8	1.69	0.89	8.35	1.5		.5	7	0	FC35
1492	12/1	0840 / 0847	HYDE-TURNER	4.6	1.55	0.71	8.31	1.1		.5	8	0	FC60
1493	12/7	1630 / 1640	TURNER	4.8	1.50	0.80	8.34	1.2		.5	11	0	"
1494	12/15	1400 / 1410	HYDE	4.5	1.59	0.75	8.33	1.2		.5	9	0	"
1495	12/22	1555 / 1605	"	4.7	1.57	0.89	8.33	1.4		.5	9	0	"
1496	12/29	1545 / 1555	"	4.6	1.59	0.94	8.34	1.5		.5	9	0	"
1497	1/5	1520 / 1535	"	4.4	1.36	0.96	8.34	1.3		.5	11	0	"
1498	1/12	1512 / 1524	"	5.5	1.65	0.73	8.34	1.2		.5	11	0	"
1499	1/19	1530 / 1545	"	4.8	1.19	1.01	8.34	1.2		.5	11	0	"
1500	1/27	0810 / 1015	HYDE-BLAKE /	65.0	57.2	4.46	10.39	255.		.6	19	-.02	FC35
1501	1/28	1253 / 1311	GODFREY	40.5	33.0	3.48	10.10	115.		.5 / .6	12	-.04	FC28
1502	1/28	1627 / 1650	HYDE		CHANNELS		10.03	79.8		.5 / .6	23	-.02	FC35
1503	1/30	1342 / 1417	"		"		9.95	68.4		.6	24	0	"
1504	1/31	0752 / 0827	HYDE-BLAKE		"		9.95	65.2		.6	22	0	"
1505	2/2	1540 / 1559	HYDE		"		9.52	10.0		.5 / .6	15	0	"
1506	2/9	1533 / 1548	HYDE	10.2	7.30	0.63	9.41	4.6		.6	12	0	FC60
1507	2/16	1503 / 1517	SJOSTEDT-HYDE	10.3	6.83	0.53	9.37	3.6		.5 / .6	14	0	"
1508	2/23	1553 / 1606	HYDE	10.4	7.95	0.68	9.45	5.4		.5 / .6	13	+.01	FC35
1509	2/24	1450 / 1506	"	10.2	7.71	0.70	9.45	5.4		.6	12	0	"
1510	3/1	1430 / 1445	"	10.0	7.08	0.51	9.38	3.6		.6	12	0	FC60
1511	3/8	1515 / 1529	"	9.8	6.86	0.41	9.40	2.8		.6	12	0	"
1512	3/14	1537 / 1549	"	8.0	4.67	0.68	9.32	3.2		.6	10	0	"
1513	3/21	1343 / 1355	"	5.8	3.34	0.66	9.31	2.2		.5 / .6	9	0	"
1514	3/28	1507 / 1516	"	4.5	2.34	0.73	9.27	1.7		.6	9	0	"
1515	4/5	1538 / 1548	"	4.5	2.39	0.71	9.28	1.7		.6	10	0	"
1516	4/12	1243 / 1300	HYDE-BLAKE		CHANNELS		9.60	16.0		.5 / .6	20	0	FC35
1517	4/16	1246 / 1258	HYDE	11.0	7.45	0.83	9.48	6.2		.6	12	0	"
1518	4/19	1545 / 1602	"	12.0	8.20	1.00	9.53	8.2		.6	13	0	FC60
1519	4/25	0812 / 0827	"		CHANNELS		9.50	7.0		.6	15	0	FC35
1520	5/3	1543 / 1600	"		"		9.50	8.1		.6	15	0	"
1521	5/9	1600 / 1626	HYDE-BLAKE		"		9.67	23.2		.6	27	0	"
1522	5/16	1540 / 1600	HYDE-LINDSAY		"		9.51	7.4		.6 / .5	19	0	FC60
1523	5/21	1522 / 1540	FALCONE-HYDE	11.6	7.21	1.07	9.50	7.7		.6	12	0	FC35
1524	5/24	1357 / 1412	HYDE	11.5	7.31	1.09	9.52	8.0		.6	13	0	"
1525	5/31	1520 / 1534	"	11.5	7.28	1.02	9.52	7.4		.6	13	0	"
1526	6/7	1418 / 1430	HYDE-TURNER	11.5	7.35	0.92	9.50	6.8		.6	13	0	"
1527	6/14	1520 / 1530	HYDE	11.0	6.90	0.90	9.48	6.2		.6	12	0	FC23
1528	6/21	1420 / 1440	"	11.5	7.10	1.01	9.53	7.2		.5 / .6	13	0	FC35

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.
1529	6/28	1355 / 1420	BOWMAN-HYDE	11.6	6.91	0.90	9.50	6.2		.6	13	0	FC35
1530	7/5	1445 / 1505	ROY-HYDE	12.0	6.60	1.00	9.49	6.6		.6	13	0	"
1531	7/12	1334 / 1347	HYDE	11.0	6.80	0.97	9.48	6.6		.6	12	0	"
1532	7/19	1325 / 1342	"	10.5	6.40	1.06	9.47	6.8		.6	12	0	"
1533	7/26	1334 / 1348	"	11.0	6.85	1.14	9.50	7.8		.6	12	0	"
1534	8/2	1448 / 1500	"	11.0	6.54	1.21	9.58	7.9		.6	12	0	"
1535	8/9	1340 / 1350	"	11.5	6.86	1.01	9.63	6.9		.6	12	0	"
1536	8/16	1315 / 1328	"	12.0	7.24	1.01	9.50	7.3		.6	13	0	"
1537	8/17	0747 / 0806	"		CHANNELS		9.62	14.6		.6	17	0	"
1538	8/23	1400 / 1415	"	12.0	7.95	1.19	9.77	9.5		.6	13	0	"
1539	8/30	1412 / 1426	"	12.0	8.25	1.31	9.78	10.8		.6	13	-.01	"
1540	9/6	1452 / 1505	"	4.4	1.76	0.74	9.51	1.3		.5	8	0	"
1541	9/12	1300 / 1306	BLAKELY	5.0	1.72	0.58	9.38	1.0		.5	6	0	FC53
1542	9/19	1502 / 1508	"	5.0	1.50	0.36	9.36	0.54		.5	6	0	"
1543	9/27	1425 / 1432	HYDE	3.5	1.35	0.31	9.38	0.42		.5	8	0	FC60

DISCHARGE MEASUREMENTS OF BIG TUJUNGA CREEK

~~NEAR~~ above Gold 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.	G. HT. CHANGE TOTAL	METER NO.
1544	10/4	0854 / 0901	HYDE	3.5	1.09	0.82	9.36	0.89		.5	7	0	FC35
1545	10/11	1520 / 1538	BOWMAN-HYDE	3.2	0.88	0.60	9.29	0.53		.5	8	0	FC60
1546	10/18	1425 / 1430	HYDE	2.3	0.55	0.80	9.32 / 9.16	0.44		.5	6	0	"
1547	10/25	1330 / 1335	"	2.3	0.51	0.70	9.29	0.36		.5	6	0	"
1548	11/1	1445 / 1455	"	3.0	0.68	0.80	9.29	0.41		.5	7	0	"
1549	11/8	1508 / 1513	"	2.0	0.35	0.94	9.28	0.33		.5	5	0	"
1550	11/15	1530 / 1535	"	2.5	0.52	0.86	9.33	0.45		.5	6	0	"
1551	11/21	1525 / 1530	HYDE-STUNDEN	2.5	0.46	0.80	9.38	0.37		.5	6	0	"
1552	11/30	1300 / 1304	HYDE	2.5	0.50	0.84	9.33	0.42		.5	6	0	"
1553	12/6	1448 / 1458	"	2.7	0.56	0.98	9.33	0.55		.5	6	0	"
1554	12/13	1545 / 1550	"	2.5	0.47	0.87	9.30	0.41		.5	6	0	"
1555	12/20	1510 / 1516	"	2.5	0.52	0.86	9.32	0.45		.5	6	0	"
1556	12/27	1545 / 1550	"	3.0	0.55	0.80	9.37	0.44		.5	7	0	"
1557	1/3	1544 / 1550	"	3.0	0.57	0.89	9.34	0.51		.5	7	0	"
1558	1/6	1230 / 1238	"	3.0	0.72	1.21	9.34	0.87		.5	7	0	"
1559	1/9	1516 / 1528	"	3.0	0.70	1.13	9.32	0.79		.5	7	0	"
1560	1/13	0030 / 0040	HYDE-SALGADO	12.5	7.88	1.66	9.55	13.1		.5	10	0	FC35
1561	1/14	1536 / 1549	HYDE	10.0	5.57	1.02	9.49	5.7		.6	11	(-)	"
1562	1/17	1515 / 1528	"	10.0	4.76	0.52	9.32	2.5		.5 / .6	11	0	FC60
1563	1/20	1510 / 1517	HYDE-FEIKER	9.5	4.5	0.58	9.32	2.6		.6	10	0	FC35
1564	1/24	0920 / 0930	HYDE	8.0	3.57	0.59	9.30	2.1		.6	10	0	FC60
1565	1/30	1426 / 1440	BOWMAN-HYDE	9.5	4.59	0.70	9.36	3.2		.6	11	0	"
1566	2/6	1602 / 1612	HYDE	8.5	3.75	0.67	9.32	2.5		.5	10	0	"
1567	2/13	1526 / 1537	HYDE	9.0	4.07	0.52	9.30	2.1		.5 / .6	10	0	FC60
1568	2/20	1420 / 1430	"	9.0	3.89	0.46	9.28	1.8		.6	10	0	"
1569	2/23	1058 / 1121	"	23.5	15.0	2.44	9.72	36.7		.6	27	-.02	FC35
1570	2/27	1544 / 1600	BROOK-HYDE	9.0	4.92	0.93	9.40	4.6		.5 / .6	11	0	FC60
1571	2/28	1717 / 1730	" "	10.5	6.96	1.25	9.49	8.7		.6	12	+.02	FC35
1572	3/5	1719 / 1733	HYDE	12.0	8.65	1.18	9.52	10.2		.6	11	0	"
1573	3/7	1450 / 1502	"	11.0	8.13	1.28	9.53	10.4		.6	11	0	"
1574	3/14	1500 / 1520	MC BRIDE-HYDE	10.0	5.95	0.76	9.41	4.5		.6	11	0	"
1575	3/16	1102 / 1119	BOWMAN-HYDE	10.5	7.05	1.16	9.48	8.2		.6	12	0	"
1576	3/20	1455 / 1510	HYDE	10.5	6.77	1.14	9.47	7.7		.6	12	0	"
1577	3/28	1517 / 1530	"	10.0	4.86	0.58	9.34	2.8		.6	11	0	FC60
1578	4/4	1410 / 1420	"	9.0	4.74	0.53	9.36	2.5		.6	10	0	"
1579	4/11	1443 / 1455	"	8.5	3.90	0.41	9.29	1.6		.6	11	0	"
1580	4/17	1515 / 1526	"	9.5	5.03	0.48	9.33	2.4		.6	11	0	"
1581	4/18	1317 / 1330	"	12.0	7.32	0.83	9.45	6.1		.6	13	0	FC35
1582	4/25	1450 / 1500	"	10.0	4.95	0.65	9.37	3.2		.6	10	0	FC60
1583	5/2	1512 / 1524	WOOD-HYDE	9.7	4.81	0.40	9.31	1.9		.6	12	0	"
1584	5/9	1422 / 1434	HYDE	9.0	4.76	0.48	9.41	2.3		.6	10	0	"
1585	5/13	1244 / 1256	"	9.5	6.54	0.83	9.53	5.4		.6	11	-.01	FC58
1586	5/16	1525 / 1538	"	8.5	5.26	0.62	9.47	3.2		.6	10	0	FC60
1587	5/23	0815 / 0830	"	10.0	6.75	0.86	9.52	5.8		.6	11	0	FC58
1588	5/29	0858 / 0910	ROY-HYDE	9.3	5.00	0.57	9.45	2.8		.6	10	0	"
1589	6/5	1530 / 1542	HYDE	9.0	5.55	0.61	9.63	3.4		.6	10	0	"
1590	6/13	1510 / 1520	BROOK-HYDE	8.9	5.89	0.75	9.72	4.4		.6	11	0	FC60
1591	6/20	1440 / 1450	HYDE	10.0	6.52	0.71	9.68	4.6		.6	9	0	"
1592	6/27	1407 / 1418	"	8.5	5.92	0.76	9.72	4.5		.6	10	0	FC60
1593	7/3	1530 / 1540	"	7.5	5.10	0.78	9.66	4.0		.6	10	0	"
1594	7/11	1350 / 1402	"	9.0	5.81	0.76	9.82	4.4		.6	10	0	"
1595	7/18	1447 / 1500	"	8.5	5.30	0.79	9.69	4.2		.6	10	0	"
1596	7/25	1522 / 1537	"	8.5	4.94	0.83	9.63	4.1		.6	9	0	"
1597	8/1	1332 / 1345	"	9.0	5.28	0.66	9.58	3.5		.6	9	0	"
1598	8/8	1336 / 1346	"	9.5	5.32	0.73	9.47	3.8		.6	8	0	"
1599	8/15	1316 / 1328	"	8.5	4.52	0.80	9.47	3.6		.6	10	0	"
1600	8/22	1435 / 1452	BOWMAN-HYDE	8.2	4.20	0.69	9.45	2.9		.6	10	0	"
1601	8/29	1450 / 1500	BOWMAN	8.0	4.13	0.90	9.48	3.7		.5 / .6	10	0	"
1602	9/5	1342 / 1400	"	8.2	4.11	0.90	9.46	3.7		.5 / .6	10	0	"
1603	9/12	1355 / 1409	HYDE	9.5	5.16	0.89	9.75	4.6		.6	9	0	"
1604	9/19	1440 / 1452	HYDE-TURNER	12.0	7.92	1.02	9.82	8.1		.6	12	0	FC58
1605	9/26	1507 / 1522	HYDE	11.0	6.97	0.79	9.75	5.5		.6	12	0	"

76D74M Gb 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, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.3	1.4	1.5	1.5	16	3.7	2.1	8.2	7.2	7.2	7.2	7.2
2	1.3	1.4	1.8	1.5	9.8	3.7	2.1	8.2	7.2	7.2	7.7	4.9
3	1.3	1.2	1.5	1.2	9.1	3.7	2.0	8.2	6.8	7.2	7.7	3.5
4	1.3	1.1	1.4	1.2	7.7	3.9	1.8	8.6	6.8	7.2	7.7	3.5
5	1.5	1.1	1.4	1.2	7.2	3.7	1.7	8.6	6.8	6.8	6.3	2.0
6	1.4	0.9	1.4	1.4	6.3	3.7	1.5	8.6	6.8	6.8	4.4	1.3
7	1.3	0.8	1.4	1.4	5.8	3.5	1.4	9.1	6.8	6.8	4.4	1.2
8	1.3	0.8	1.4	1.4	5.3	2.8	1.4	9.1	6.3	6.8	6.3	1.1
9	1.3	1.1	1.2	1.4	4.4	2.8	1.4	2.0	6.3	6.8	7.7	1.0
10	1.2	1.2	1.2	1.2	4.4	2.8	1.4	1.2	6.3	6.8	6.8	0.8
11	1.3	1.4	1.2	1.2	4.4	3.0	3.0	9.8	6.3	6.8	6.3	1.1
12	1.1	1.5	1.2	1.2	4.4	3.0	17	9.1	6.3	6.8	5.8	0.8
13	9.7	1.7	1.2	1.2	4.4	3.2	19	8.2	6.3	6.3	5.3	0.8
14	8.7	5.8	1.2	1.4	4.2	3.2	9.8	8.2	6.3	6.3	5.8	0.6
15	7.8	3.2	1.2	1.4	3.9	2.8	7.7	7.7	6.3	6.3	5.8	0.4
16	7.4	2.4	1.2	1.2	3.7	2.3	6.8	7.2	6.3	6.8	8.2	0.4
17	5.2	2.1	1.2	1.2	3.9	2.3	9.1	8.2	6.3	6.8	14	0.5
18	3.7	2.1	1.2	1.2	3.9	2.1	9.1	8.2	6.3	6.8	12	0.5
19	3.2	1.8	1.4	1.2	4.2	2.1	8.6	8.2	6.3	6.8	14	0.5
20	2.9	1.5	1.4	1.4	4.2	2.1	8.6	8.2	6.3	6.8	17	0.5
21	2.6	1.5	1.4	1.4	4.2	2.1	8.6	8.2	6.8	6.8	15	0.5
22	2.0	1.8	1.4	1.5	4.2	2.3	8.2	8.2	7.7	6.8	13	0.4
23	1.4	1.5	1.4	1.5	6.2	2.1	8.6	8.2	7.7	7.2	10	0.3
24	1.4	1.4	1.4	1.7	6.8	2.1	8.2	8.2	7.7	8.2	8.6	0.4
25	1.2	1.4	1.4	2.8	4.2	2.1	6.8	8.2	7.7	8.2	8.2	0.4
26	1.2	1.2	1.5	64	4.2	2.1	10	8.2	7.7	7.2	7.7	0.3
27	1.4	1.2	1.5	214	3.9	2.0	11	8.2	7.2	7.7	7.7	0.3
28	1.2	0.9	1.5	117	3.7	1.8	10	8.2	6.3	7.7	7.2	0.3
29	1.1	0.9	1.5	69	3.7	1.7	8.6	8.2	6.8	7.7	7.7	0.3
30	1.1	0.9	1.5	67		1.5	8.2	7.7	6.8	7.7	10	0.3
31	1.2		1.7	58		1.7		7.2		7.7	8.2	
	220.4	47.2	42.8	623.9	158.3	81.9	202.7	272.3	202.7	219.0	263.7	36.1
MEAN	7.11	1.57	1.38	20.1	5.46	2.64	6.76	8.78	6.76	7.06	8.51	1.20
ACRE-FEET	437.	94.	85.	1240.	314.	162.	402.	540.	402.	434.	523.	72.

Remarks:

YEAR OR PERIOD MEAN 6.48
ACRE-FEET 4700.

76D74M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

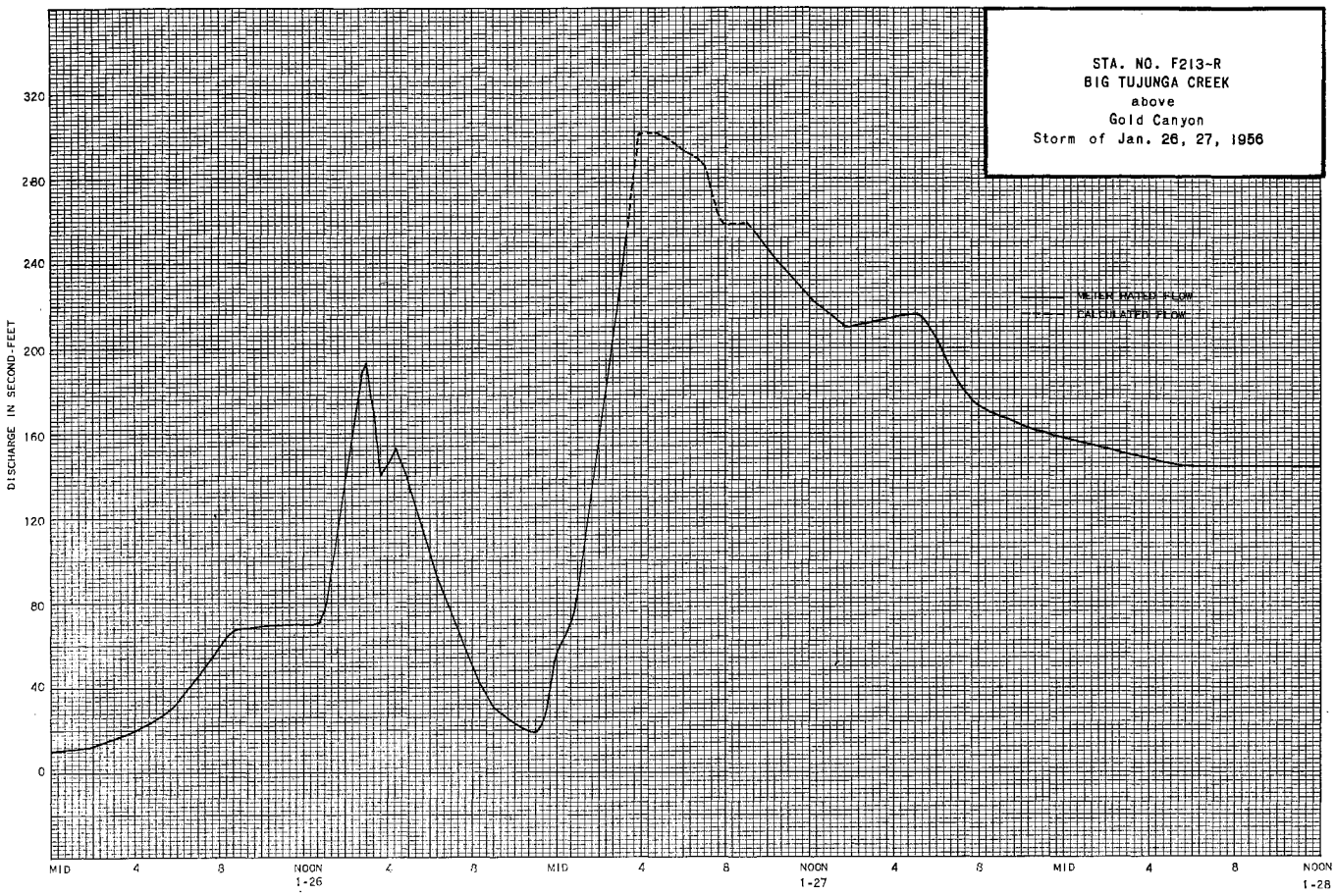
Sta. No. F213-R

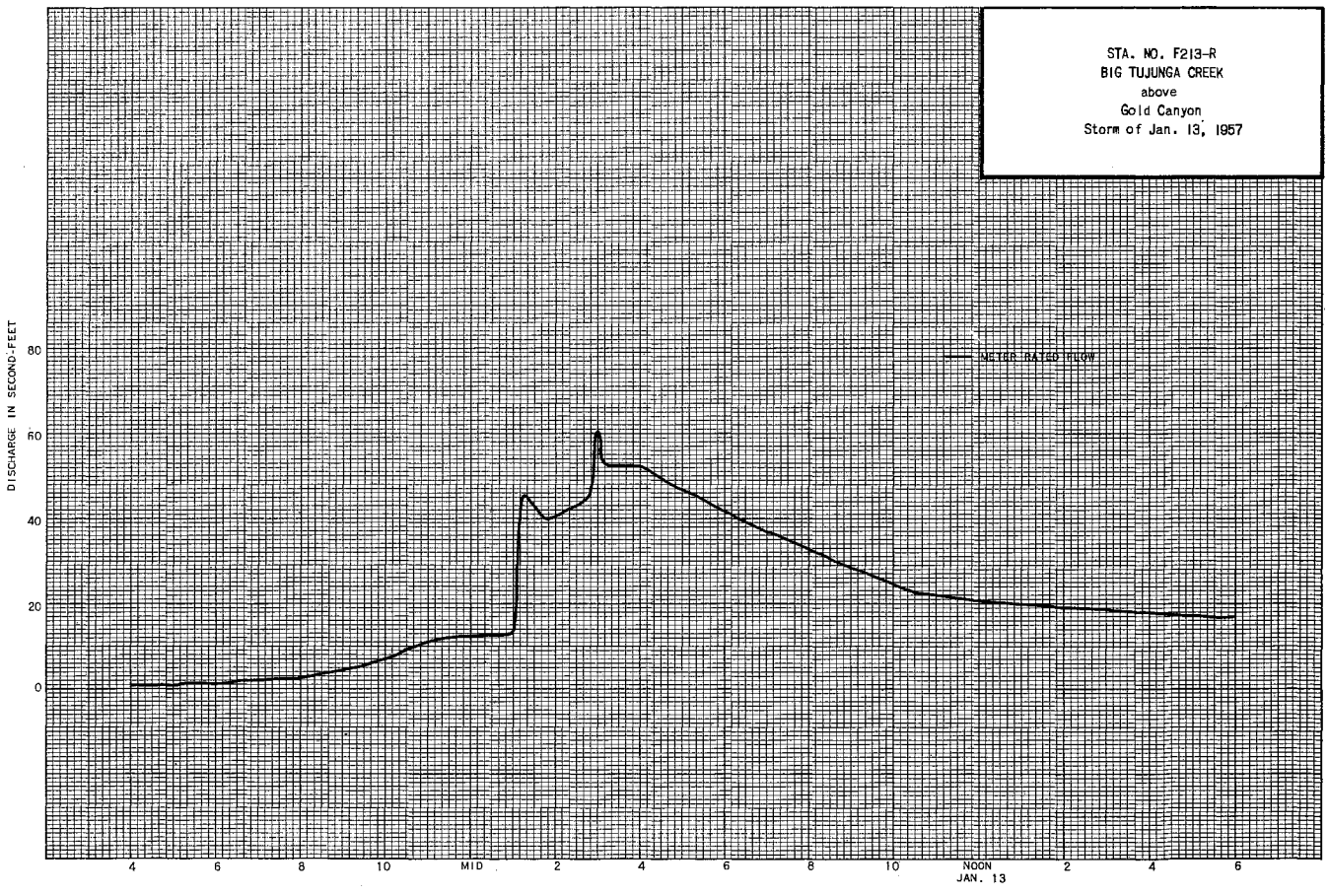
Daily discharge, in second-feet of BIG TUJUNGA CREEK above Gold Canyon, for the year ending September 30, 1957

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.3	0.4	0.4	0.5	3.0	8.6	2.6	1.8	2.6	5.3	3.2	3.7
2	0.3	0.4	0.4	0.5	3.0	6.8	2.1	2.0	3.7	4.9	3.0	3.7
3	0.2	0.4	0.4	0.5	3.0	5.8	2.1	2.1	4.4	C 4.8	3.0	3.9
4	0.6	0.4	0.4	0.6	2.8	4.9	2.0	2.1	4.2	4.8	3.2	3.7
5	0.6	0.4	0.5	1.7	2.6	9.7	2.0	2.1	3.5	4.7	3.0	3.7
6	0.6	0.3	0.6	1.0	2.6	10	2.0	2.1	4.2	4.6	3.5	3.7
7	0.6	0.3	0.6	1.0	2.6	10	2.0	2.1	4.9	4.5	3.5	3.7
8	0.6	0.3	0.5	1.0	2.6	7.7	2.0	2.1	4.9	4.5	3.7	3.9
9	0.6	0.4	0.5	1.0	2.3	7.7	1.7	2.3	4.9	C 4.4	3.7	4.4
10	0.5	0.4	0.4	1.0	2.3	7.2	1.7	3.0	5.8	4.4	3.7	4.2
11	0.6	0.4	0.4	1.0	2.3	6.8	1.7	9.3	5.3	4.4	3.7	4.4
12	0.6	0.4	0.4	2.2	2.1	6.3	1.8	8.6	4.4	4.4	3.7	4.4
13	0.6	0.4	0.4	25	2.1	5.3	2.0	5.3	4.4	4.4	3.5	4.9
14	0.5	0.4	0.4	6.7	2.1	4.4	2.0	4.9	4.4	4.4	3.5	5.3
15	0.4	0.4	0.4	3.9	2.1	4.4	2.0	4.4	4.2	4.2	3.7	5.8
16	0.4	0.4	0.3	3.2	2.1	7.2	2.1	a 4.4	3.7	4.2	3.9	6.8
17	0.3	0.4	0.5	2.8	2.1	7.2	3.0	4.4	3.7	4.2	3.7	7.2
18	0.4	0.4	0.6	2.6	2.1	6.8	5.8	4.4	3.7	4.2	3.9	7.2
19	0.4	0.4	0.5	2.3	2.0	7.2	5.3	9.0	4.4	4.2	3.9	7.7
20	0.4	0.2	0.4	2.6	1.8	7.7	5.8	6.6	4.4	4.2	3.9	7.2
21	0.4	0.2	0.4	2.8	1.8	7.2	6.8	6.4	4.9	4.2	3.7	5.8
22	0.5	0.2	0.4	2.3	1.8	4.4	4.9	6.2	4.9	4.2	3.5	5.3
23	0.4	0.3	0.4	2.3	23	3.9	4.2	a 5.8	4.4	4.2	3.7	5.3
24	0.4	0.4	0.4	2.1	9.1	3.5	3.9	4.2	4.4	4.2	3.7	5.8
25	0.3	0.4	0.4	2.1	6.8	3.5	3.5	3.7	4.4	4.1	3.7	5.8
26	0.2	0.3	0.4	3.7	5.3	3.2	3.0	2.8	4.9	4.4	3.5	5.8
27	0.3	0.3	0.4	3.5	4.4	3.0	2.3	2.1	4.2	4.2	3.5	5.3
28	0.6	0.3	0.4	3.2	6.8	2.8	1.5	2.3	4.2	3.7	3.7	4.9
29	0.4	0.4	0.4	3.2		2.8	1.5	2.6	4.4	3.7	3.7	4.2
30	0.4	0.4	0.3	3.2		2.8	1.7	2.6	4.9	3.7	3.7	5.8
31	0.4		0.4	3.2		2.8		2.6		3.5	3.7	
	13.8	10.7	13.3	92.7	106.6	181.6	85.0	124.3	131.3	133.8	111.0	153.5
MEAN	0.44	0.36	0.43	2.99	3.81	5.86	2.83	4.01	4.38	4.31	3.58	5.12
ACRE-FEET	27.	21.	26.	184.	211.	360.	169.	247.	260.	265.	220.	304.

Remarks:

YEAR OR PERIOD MEAN 3.17
ACRE-FEET 2290.


STA. NO. F213-R
BIG TUJUNGA CREEK
above
Gold Canyon
Storm of Jan. 26, 27, 1956
METER RATED FLOW
CALCULATED FLOW
DISCHARGE IN SECOND-FEET
320
280
240
200
160
120
80
40
0
MID
4
8
NOON
1-26
4
8
MID
4
8
NOON
1-27
4
8
MID
4
8
NOON
1-28


STA. NO. F213-R
BIG TUJUNGA CREEK
above
Gold Canyon
Storm of Jan. 13, 1957
METER RATED FLOW
DISCHARGE IN SECOND-FEET
80
60
40
20
0
4
6
8
10
MID
2
4
6
8
10
NOON
JAN. 13
2
4
6

STATION E20C-R
TUJUNGA WASH above Glen Oaks 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 1957. APRIL 1932 TO SEPTEMBER 1940 (FRAGMENTARY).

EXTREMES:
1955-56
MAXIMUM DISCHARGE 20. SECOND-FEET MARCH 1. (GAGE HEIGHT 1.09 FEET.)
MINIMUM DAILY DISCHARGE, NO FLOW DURING SEVERAL MONTHS.

1956-57
MAXIMUM DISCHARGE 18 SECOND-FEET FEBRUARY 28. (GAGE HEIGHT, 1.08 FEET.)
MINIMUM DAILY DISCHARGE. NO FLOW DURING MOST OF YEAR.

1940-57
MAXIMUM DISCHARGE ABOUT 3000 SECOND-FEET JANUARY 24, 25, 1952. NO FLOW DURING PARTS OF EACH YEAR.

REMARKS: RECORDS POOR. 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.

fSDT4M Cdb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. E20C-R

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0.2	0	0	0.5	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	0.2	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	0.4	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0.9	0	0	0	0	0
12	0	0	0	0	0	0	4.1	0	0	0	0	0
13	0	0	0	0	0	0	0.4	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	0.1	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	0	0	0.8	0	0	0	0	0	0	0	0
26	0	0	0	3.2	0	0	0.2	0	0	0	0	0
27	0	0	0	0.9	0	0	0.1	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	0.4		0	0	0	0	0	0	0
31	0		0	0		0		0		0	0	
	0	0	0.4	5.3	0.4	0.5	5.7	0.4	0	0	0	0
MEAN	0	0	0.01	0.17	0.01	0.02	0.19	0.01	0	0	0	0
ACRE-FEET	0	0	0.8	11.	0.8	1.0	11.	0.8	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 0.03
ACRE-FEET 25.

74DI4M Gb 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, 19 57

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1				0	0	0.7	0	0				
2				0	0	0	0	0				
3				0	0	0	0	0				
4				0	0	0	0	0				
5				0	0	0	0	0				
6				0	0	0	0	0				
7				0	0	0	0	0				
8				0	0	0	0	0				
9				0	0	0.2	0	0				
10				0	0	0	0	0.2				
11				0	0	0	0	0.8				
12				1.7	0	0	0	0				
13				1.1	0	0	0	0				
14				0	0	0	0	0				
15				0	0	0	0	0				
16				0	0	0.1	0	0				
17				0	0	0	0.4	0				
18				0	0	0	0.1	0				
19				0	0	0	0	0.2				
20				0.3	0	0	0.5	0				
21				0	0	0	0	0				
22				0	0	0	0	0				
23				0.4	1.3	0	0	0				
24				0.1	0	0	0	0				
25				0.2	0	0	0	0				
26				0.5	0	0	0	0				
27				0.1	0	0	0	0				
28				0	1.4	0	0	0				
29				0.7		0	0	0				
30				0		0	0	0				
31				0		0		0				
				5.1	2.7	1.0	1.0	1.2				
MEAN	0	0	0	0.16	0.10	0.13	0.03	0.04	0	0	0	0
ACRE-FEET	0	0	0	10.	5.4	2.0	2.0	2.4	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 0.03
ACRE-FEET 22.

STATION F105B-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: INSTALLED AUGUST 1930 AT STATION F105-R, WASHED OUT IN THE MARCH 2, 1938 FLOOD, REINSTALLED ON OCTOBER 17, 1938 AND REMOVED ON MARCH 24, 1949. RECORDER INSTALLED ON MARCH 22, 1950 AT STATION F105B-R OVER A 48-INCH DIAMETER CONCRETE STILLING WELL. A STEVENS TYPE A35-B RECORDER WAS IN SERVICE FROM OCTOBER 1, 1955 TO SEPTEMBER 30, 1957.

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

DIVERSIONS: SOME WATER DIVERTED FOR IRRIGATION NEAR MOUTH OF BIG TUJUNGA CANYON AND IN PACOIMA CANYON. THERE ARE SPREADING DIVERSIONS AT MOUTH OF BIG TUJUNGA CANYON, BELOW HANSEN DAM, FROM PACOIMA WASH NEAR LAUREL CANYON BOULEVARD, AND BELOW LOPEZ FLOOD CONTROL BASIN.

RECORDS AVAILABLE: AUGUST 1930 TO FEBRUARY 17, 1938, OCTOBER 17, 1938 TO MARCH 24, 1949 AND MARCH 22, 1950 TO SEPTEMBER 30, 1957. NO RECORD AVAILABLE FROM MARCH 24, 1949 TO MARCH 22, 1950 DUE TO CHANNEL CONSTRUCTION.

EXTREMES OF DISCHARGE:
1955-56
MAXIMUM 1080 SECOND-FEET JANUARY 26.
MINIMUM NO FLOW PART OF YEAR.
1956-57
MAXIMUM 1440 SECOND-FEET JANUARY 5.
MINIMUM NO FLOW PART OF YEAR.
1930-57
MAXIMUM DISCHARGE NOT DETERMINED MARCH 2, 1938.
MAXIMUM DISCHARGE OF RECORD 3280 SECOND-FEET JANUARY 24, 1952. (RELEASE FROM HANSEN DAM.)
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, 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.
32	10/6	1305 / 1312	BLAKELY	5.0	1.59	0.88	0.02	1.4		.5	6	0	FC53
33	11/14	0123 / 0135	BLAKELY-CRAY		CHANNELS		0.27	73.6		.5	10	+.06	FC24
34	11/17	1218 / 1228	BLAKELY	20.0	5.46	3.86	0.10	21.1		.5 / .6	9	0	"
35	12/4	0928 / 0938	"	70.0	20.9	3.98	0.22	83.1		.5	11	+.01	"
36	1/25	1310 / 1319	BLAKELY-SCHUESSLER	70.0	54.6	6.87	0.71	375.	FLOATS		7	.14	
37	1/25	2050 / 2100	" "	70.0	28.4	4.37	0.35	124.		.5	9	-.03	FC24
38	1/26	0455 / 0457	" "	70.0	71.6	9.80	1.02	702.	FLOATS		3	-.03	
39	1/26	0655 / 0658	" "	70.0	92.4	9.16	1.32	846.		"	6	-.03	
40	1/31	0046 / 0054	BLAKELY	70.0	22.4	3.37	0.21	75.4		.5	10	-.01	FC24
41	2/16	1011 / 1015	"	7.0	0.76	2.11		1.6	FLOATS		4		
42	4/27	1208 / 1212	"	8.0	1.07	2.43	0.02	2.6		"	6	0	

DISCHARGE MEASUREMENTS OF TUJUNGA WASH

~~AT~~ NEAR below Moorpark Street 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.	G. HT. CHANGE TOTAL	METER NO.
43	10/4	1022 / 1032	BLAKELY	15.0	3.64	4.54	0.10	16.5	FLOATS		6	-.01	
44	1/12	2030 / 2041	BLAKELY-BOWMAN	70.0	54.2	6.50	0.65	352.		.5	8	+.24	FC24
45	1/13	0018 / 0022	" "	70.0	111.	10.0	1.48	1110.	FLOATS		4	0	
46	1/13	1510 / 1516	" "	10.0	1.26	2.86	0.03	3.6		"	5	0	
47	1/24	1230 / 1236	BLAKELY	14.0	2.88	3.82	0.06	11.0		"	7	0	
48	1/30	1500 / 1506	"	7.0	0.86	2.09	0.00	1.8		"	4	0	
49	2/14	1114 / 1122	"	10.0	1.07	2.32	0.01	2.5		"	6	0	
50	2/21	0930 / 0936	BLAKELY-ROY	8.5	0.95	2.21	0.01	2.1		"	6	0	
51	2/23	0542 / 0547	BLAKELY-SALGADO	70.0	101.	11.3	1.34	1140.		"	4	+.01	
52	2/28	1000 / 1006	BLAKELY	14.0	3.33	4.26	0.05	14.2		"	6	0	
53	2/28	1334 / 1336	BLAKELY-SALGADO	70.0	51.1	7.54	0.72	385.		"	6	-.06	
54	3/7	1048 / 1056	BLAKELY	10.5	1.60	2.88	0.01	4.6		"	6	0	
55	3/11	1204 / 1210	"	9.5	1.30	2.69	0.01	3.5		"	6	0	
56	3/13	1408 / 1414	"	6.0	2.03	0.94	0.00	1.9		.5	7	0	FC24
57	3/17	1002 / 1006	BLAKELY-SALGADO	3.4	0.95	1.48	0.01	1.4		.5	7	0	"
58	3/21	1044 / 1050	BROOK-BLAKELY	6.7	0.83	1.45	0.00	1.2	FLOATS		5	0	
59	3/28	1039 / 1045	BLAKELY	8.5	1.34	2.16	0.01	2.9		"	6	0	
60	4/4	1110 / 1116	"	7.5	1.10	2.00	0.01	2.2		"	6	0	
61	4/11	1447 / 1455	"	7.5	1.19	1.93	0.01	2.3		"	6	0	
62	4/25	1100 / 1106	BLAKELY-MC BRIDE	7.5	0.81	1.98	0.01	1.6		"	6	0	
63	5/9	1435 / 1440	BOWMAN-FALCONE	8.0	1.40	2.36	0.02	3.3		"	5	0	
64	5/16	1000 / 1008	ROY-BLAKELY	12.0	2.21	3.02	0.05	6.7		"	7	0	
65	5/23	1012 / 1018	WOOD-BLAKELY	10.0	1.21	2.23	0.02	2.7		"	6	0	
66	5/29	1230 / 1235	BOWMAN	8.0	1.15	2.44	0.03	2.8	FLOATS		5	0	
67	6/6	1320 / 1330	BLAKELY-LINDSAY	9.5	1.30	2.08	0.06	2.7		.5	6	0	FC53
68	6/13	1145 / 1150	BOWMAN	8.0	1.06	2.36	0.02	2.5	SUR.		5	0	
69	6/20	1320 / 1325	"	8.0	1.32	2.27	0.03	3.0		"	5	0	
70	6/27	1034 / 1044	BLAKELY	12.0	2.08	1.49	0.03	3.1		.5	0	0	FC53
71	7/3	1306 / 1315	WOOD-SARASUA	9.0	1.51	1.66	0.03	2.5		.5	8	0	"
72	7/11	1339 / 1347	SARASUA-WOOD	8.0	1.08	2.96	0.03	3.2		.5	7	0	"
73	7/18	1309 / 1315	SARASUA	9.0	1.32	1.81	0.02	2.4		.5	9	0	"
74	7/25	1138 / 1144	BLAKELY	11.0	1.96	1.48	0.03	2.9		.5	6	0	"
75	8/1	1314 / 1326	WOOD	9.0	0.97	1.96	0.02	1.9		.5	10	0	"
76	8/8	1310 / 1315	BOWMAN	8.0	1.15	2.46	0.03	2.6	FLOATS		5	0	
77	8/15	1055 / 1105	"	8.0	1.15	2.26	0.03	2.6		"	5	0	
78	8/22	1137 / 1149	SARASUA-BLAKELY	10.0	1.52	2.17	0.03	3.3		.5	6	0	FC53
79	8/29	1225 / 1240	SARASUA	8.0	1.05	2.47	0.03	2.6		.5	7	0	"
80	9/5	1335 / 1350	ROY	8.5	2.44	1.31	0.03	3.2		.6	11	0	"
81	9/12	1330 / 1335	BOWMAN	8.0	1.15	2.26	0.03	2.6	SUR.		5	0	
82	9/19	1125 / 1137	ROY-BOWMAN	6.5	2.01	1.49	0.03	3.0		.5	8	0	FC53
83	9/26	1145 / 1200	BOWMAN	9.0	2.54	1.10	0.03	2.8		.5	11	0	"

76D74M 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, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	25	0	+	+	0.9	b 0.5	+	0.5	+	+
2	0	0	22	0	|	|	+	b 0.5	|	+	|	|
3	0	0	0	0	|	|	|	b 0.5	|	|	|	|
4	0	0	32	0	|	|	|	0.5	|	|	|	|
5	0	0	1.9	0	+	|	|	0.5	|	|	|	|
6	+	0	4.7	0	0	|	|	0.5	|	|	|	|
7	0	0	1.5	0	0	|	|	0.5	|	|	|	|
8	0	0	0	0	0	e	|	1.6	|	|	|	|
9	0	0	0	0	0	|	|	3.0	|	|	|	|
10	0	0	0	b .02	0	|	+	+	|	|	|	|
11	0	0	0	b 0.2	0	|	5.1	|	+	|	|	|
12	0	0	0	b .02	0	|	2.38	|	|	|	|	|
13	0	0	0	0	b 0.7	|	1.85	|	0.3	|	|	|
14	0	4.4	0	0	1.2	|	e 0.1	|	0.3	|	|	|
15	0	e 0	0	+	2.2	|	0.1	|	0.3	|	|	|
16	0	e 0	0	+	b 0.7	|	0.1	|	0.3	|	|	+
17	0	3.8	0	0	0	+	+	|	0.3	|	|	0
18	0	0	0	0	0	0.1	|	|	+	+	|	0
19	0	0	0	0	0	0.1	|	|	|	0.1	|	0
20	0	0	0	+	0	0.2	|	+	|	0.1	|	0
21	0	18.3	0	0	0	0.2	|	0.1	|	0.1	|	+
22	0	0	0	0	2.5	e 0.2	|	0.1	|	0.1	|	+
23	0	0	8.5	3.6	2.2	0.2	|	0.1	|	0.1	|	+
24	0	0	2.1	0	b 0.2	0.2	|	0.1	|	0.1	|	0.5
25	0	0	6.3	10.7	+	0.2	+	0.1	+	0.1	|	0.5
26	0	0	10.8	5.52	0	0.2	17.7	0.1	0.5	0.1	|	0.5
27	0	0	2.0	3.9	0	0.2	3.1	0.1	0.5	0.1	|	0.5
28	0	0	0	+	0	e 0.2	b 0.5	+	0.5	0.1	|	0.5
29	0	0	0	+	0	0.2	b 0.5	|	0.5	0.1	|	0.5
30	0	0	0	2.0	|	0.2	b 0.5	|	0.5	+	|	0.5
31	0	|	0	10.3	|	0.2	|	+	|	+	+	|
	+	66.1	97.0	732.5	29.5	2.6	325.0	35.8	4.0	1.6	+	3.5
MEAN	+	2.20	3.13	23.6	1.02	0.08	10.8	1.15	1.13	0.05	+	0.12
ACRE-FEET	+	131.	192.	1450.	59.	5.2	645.	71.	7.9	3.2	+	7.0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 3.54
ACRE-FEET 2570.

76D74M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

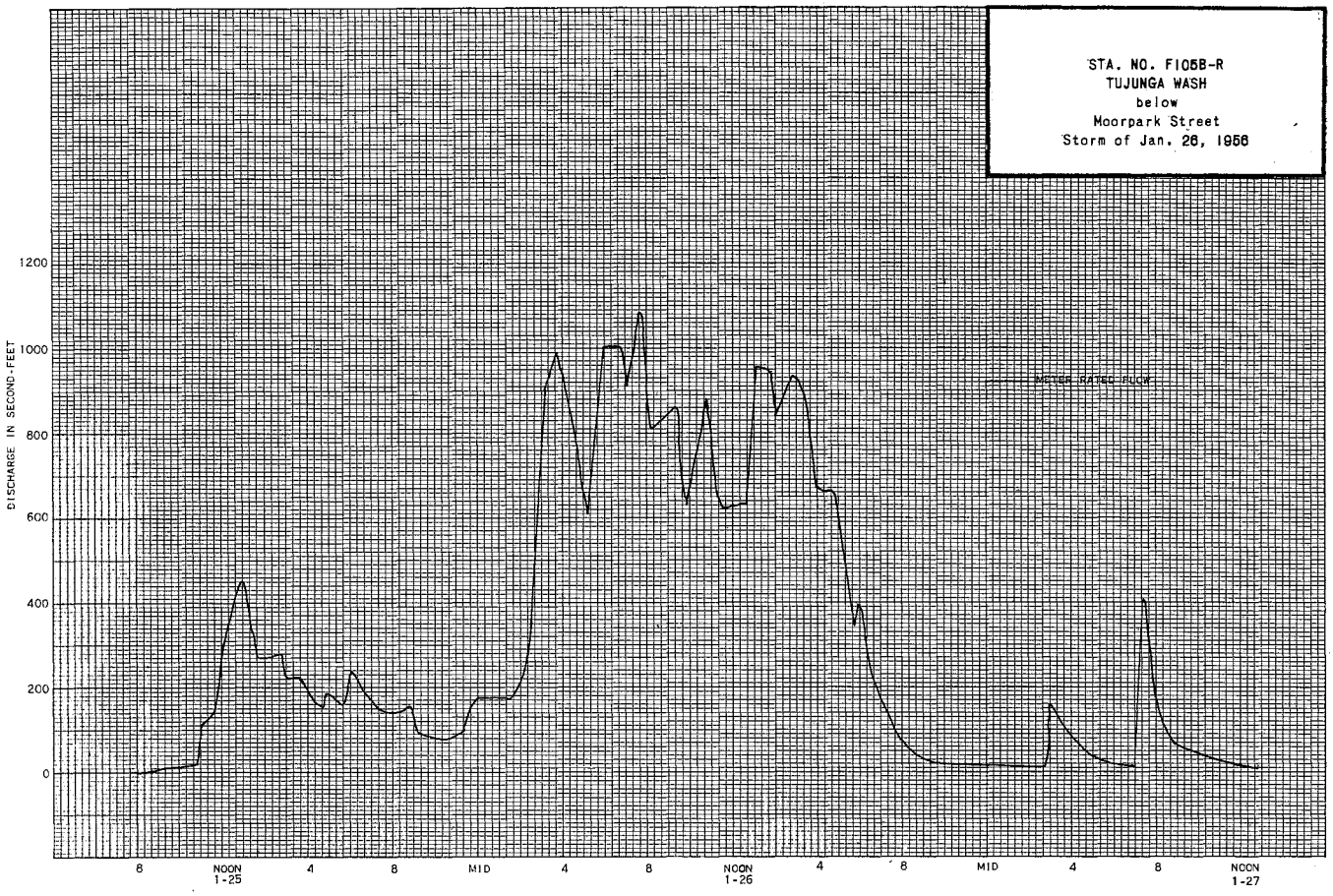
Sta. No. F105B-R

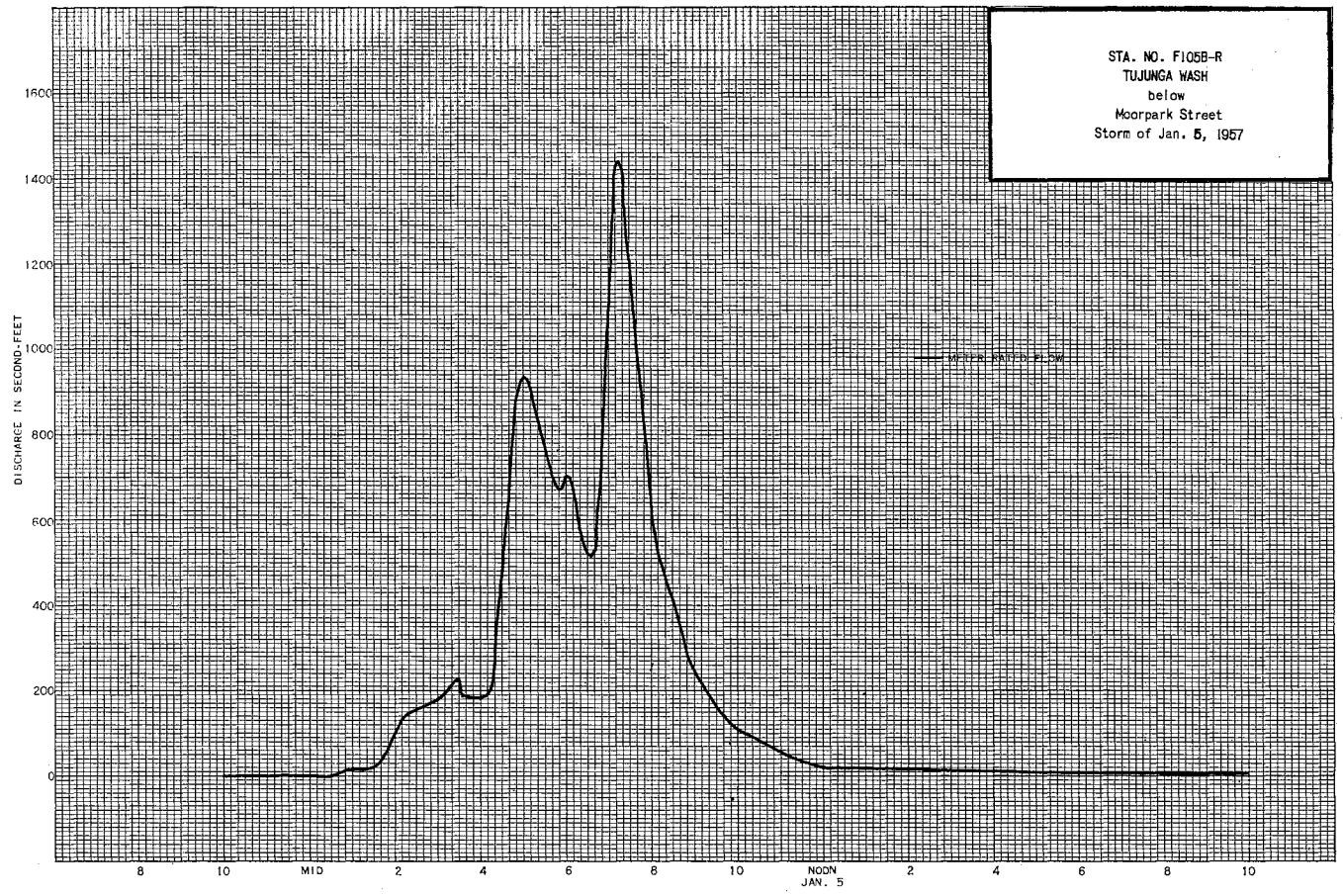
Daily discharge, in second-feet of TUJUNGA WASH below Moorpark Street, for the year ending September 30, 1957

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	0	0	0	b 1.0	25	b 2.5	b 2.3	b 2.8	b 2.7	b 1.9	b 2.8
2	+	0	0	0	1.0	b 1.0	2.4	2.4	2.8	2.6	2.0	2.9
3	+	0	0	0	1.0	0.5	2.3	2.5	2.7	2.5	2.1	3.0
4	12.7	0	0	0	1.0	0.5	2.2	2.6	2.7	2.5	2.2	3.1
5	0.6	0	7.7	1.80	1.0	0.5	2.2	2.8	2.7	2.6	2.3	3.2
6	+	0	2.1	b 0.3	b 1.0	b 5.0	2.2	3.0	2.7	2.7	2.4	3.1
7	+	0	+	6.6	1.0	4.6	2.2	3.1	2.7	2.8	2.5	3.0
8	+	0	|	b 5.8	3.9	4.6	2.3	3.2	2.7	2.9	2.6	2.9
9	0	0	|	b 4.0	2.0	4.2	2.3	b 3.3	b 2.7	3.0	2.6	2.8
10	0	0	|	b 3.0	2.0	3.5	2.3	11.9	8.6	3.1	2.6	2.7
11	0	0	|	b 2.0	2.0	3.5	2.3	8.5	b 2.5	3.2	2.6	2.6
12	0	0	|	1.46	2.0	b 3.5	2.3	2.0	2.5	3.1	2.6	2.6
13	0	0	|	1.61	2.0	2.0	2.3	2.0	2.5	3.0	2.6	2.6
14	0	0	|	+	2.0	1.0	2.3	3.9	2.5	2.9	2.6	2.7
15	+	0	|	|	2.0	b 1.0	2.3	5.8	2.6	2.7	2.6	2.8
16	|	0	|	|	2.0	0.7	b 2.3	3.9	2.7	2.6	2.7	2.8
17	|	0	|	|	2.0	b 1.4	3.0	b 2.7	2.8	2.5	2.8	2.9
18	|	0	|	|	2.0	1.4	3.0	b 2.7	2.9	2.4	2.9	3.0
19	|	+	|	+	2.0	1.3	b 1.5	17.1	3.0	2.4	3.0	3.0
20	|	|	|	3.5	2.0	1.2	3.1	b 2.7	3.0	2.5	3.1	3.0
21	+	|	|	b 0.5	2.0	3.9	3.9	2.7	3.0	2.6	3.2	3.0
22	0	|	|	b 0.3	2.0	1.4	b 1.6	2.7	3.0	2.7	3.3	2.9
23	0	|	|	6.7	1.25	1.7	1.6	2.7	3.0	2.8	3.2	2.9
24	0	|	|	17.2	3.0	1.9	1.6	2.7	3.1	2.9	3.1	2.8
25	0	|	|	7.3	2.0	2.2	1.6	2.7	3.1	2.9	3.0	2.8
26	0	+	|	3.3	2.0	2.4	1.7	2.8	3.1	2.8	2.9	2.8
27	0	0	+	15.8	2.0	2.7	1.8	2.8	3.1	2.7	2.8	2.8
28	3.5	0	0	2.0	6.9	2.9	1.9	2.8	3.0	2.5	2.7	2.8
29	+	0	0	6.4	|	2.8	2.0	2.8	2.9	2.3	2.6	2.8
30	+	0	0	2.0	|	2.7	b 2.2	2.8	b 2.8	2.2	2.6	b 2.8
31	0	|	0	b 1.0	|	b 2.6	|	b 2.8	|	b 2.0	b 2.7	|
	16.8	9.8		693.5	241.9	217.7	149.1	195.2	90.2	83.1	82.8	85.9
MEAN	0.54	+	0.32	22.4	8.6	7.0	5.0	6.30	3.01	2.68	2.67	2.86
ACRE-FEET	33.	+	19.	1380.	480.	432.	296.	387.	179.	165.	164.	170.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 5.11
ACRE-FEET 3700.


STA. NO. F105B-R
TUJUNGA WASH
below
Moorpark Street
Storm of Jan. 26, 1956
DISCHARGE IN SECOND-FEET
1200
1000
800
600
400
200
0
METER RATED FLOW
8
NOON
1-25
4
8
MID
4
8
NOON
1-26
4
8
MID
4
8
NOON
1-27


STA. NO. F105B-R
TUJUNGA WASH
below
Moorpark Street
Storm of Jan. 5, 1957
DISCHARGE IN SECOND-FEET
1600
1400
1200
1000
800
600
400
200
0
METER RATED FLOW
8
10
MID
2
4
6
8
10
NOON
JAN. 5
2
4
6
8
10

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: INSTALLED AUGUST 1930 AT STATION F106-R. REMOVED MARCH 1936. INSTALLED TEMPORARILY MARCH 1936 AT STATION F106B-R AT CHANDLER BOULEVARD. REMOVED JULY 1936. REINSTALLED AUGUST 1936 AT STATION F106-R. REMOVED MARCH 2, 1938. REINSTALLED SEPTEMBER 25, 1939 AT STATION F106B-R AT CHANDLER BOULEVARD. REMOVED NOVEMBER 11, 1941. REINSTALLED NOVEMBER 24, 1941 AT STATION F106-R OVER A 20-INCH DIAMETER CORRUGATED IRON PIPE STILLING WELL. AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1955 TO SEPTEMBER 30, 1957.

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, 1957.

EXTREMES OF DISCHARGE:
1955-56
MAXIMUM 168 SECOND-FEET JANUARY 26.
MINIMUM NO FLOW MOST OF YEAR.
1956-57
MAXIMUM 317 SECOND-FEET JANUARY 13.
MINIMUM NO FLOW MOST OF YEAR
1930-57
MAXIMUM DISCHARGE NOT DETERMINED MARCH 2, 1938.
MAXIMUM DISCHARGE OF RECORD 3110 SECOND-FEET JANUARY 1, 1934.
MINIMUM NO FLOW MOST OF EACH YEAR.
1950-57
MAXIMUM 333 SECOND-FEET NOVEMBER 15, 1952.
MINIMUM NO FLOW MOST OF EACH YEAR.

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

DISCHARGE MEASUREMENTS OF TUJUNGA WASH - CENTRAL BRANCH

AT Magnolia Boulevard 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.
167	11/14	0030 / 0036	BLAKELY-CRAY	12.5	4.64	2.33	4.05	10.8		.5	8	.01	FC24
168	12/1	2241 / 2249	BLAKELY	6.5	1.00	0.63	3.63	0.63		.5	6	0	"
169	12/4	0910 / 0918	"	17.6	7.29	2.39	4.02	17.4		.5	9	-.01	"
170	12/4	1643 / 1648	BLAKELY-SCHUSSLER	10.5	3.10	1.45	3.77	4.5		.5	6	-.03	"
171	1/25	1201 / 1210	" "	34.0	15.2	2.96	4.20	45.0		.5 / .6	10	-.06	"
172	1/25	1603 / 1612	" "	32.0	12.6	2.63	4.04	33.1		.5	10	0	"
173	1/25	2008 / 2016	" "	34.0	13.8	2.66	4.11	36.7		.5	10	-.03	"
174	1/26	0402 / 0415	" "	46.0	39.6	4.04	4.70	160.		.6	13	+.01	FC43
175	1/26	1918 / 1923	" "	10.3	2.93	1.74	3.84	5.1		.5	7	-.03	"
176	1/30	2350 / 2358	BLAKELY	18.5	5.96	1.93	3.84	11.5		.5	8	-.03	FC24
177	2/23	0926 / 0932	"	11.0	2.72	1.36	3.80	3.7		.5	7	0	"
178	4/12	0003 / 0011	"	36.5	22.0	3.88	4.10	85.4		.6	11	-.04	"
179	4/12	0942 / 0950	"	37.0	25.8	3.95	3.95	102.		.6	11	+.02	"
180	4/26	0948 / 0958	"	30.5	13.4	3.16	3.86	42.4		.5	9	-.02	"

DISCHARGE MEASUREMENTS OF TUJUNGA WASH - CENTRAL BRANCH

AT Magnolia Boulevard 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.	G. HT. CHANGE TOTAL	METER NO.
181	10/4	1156 / 1204	BLAKELY		CHANNELS		3.57	7.3		.5	8	-.01	FC24
182	1/12	1937 / 1947	BOWMAN-BLAKELY	32.0	18.0	3.37	4.00	60.8		.5	10	+.02	"
183	1/12	2152 / 2212	" "	36.0	33.2	4.10	4.32	136.		.6	11	-.01	"
184	1/13	0113 / 0121	BLAKELY-BOWMAN	44.5	45.2	4.98	4.52	225.		.6	13	-.01	"
185	1/20	1420 / 1425	BLAKELY-SALGADO	38.5	24.3	3.25	4.16	79.9		.6	12	-.02	"
186	1/24	0950 / 0954	BLAKELY	4.5	0.75	0.96	3.72	0.72		.5	5	0	"
187	1/26	0422 / 0430	"		CHANNELS		3.94	19.9		.5	12	-.03	"
188	1/27	1107 / 1119	"		"		3.95	25.3		.5	15	-.03	"
189	1/29	0316 / 0324	BLAKELY-SALGADO	37.0	14.0	2.42	3.99	33.9		.6	11	0	"
190	1/29	1628 / 1632	" "	9.3	2.67	1.79	3.71	4.8		.5	6	0	"
191	2/23	0408 / 0416	" "	41.5	38.7	4.22	4.43	163.		.6	12	+.05	"
192	2/28	1309 / 1316	" "	38.0	20.8	3.23	4.06	67.2		.6	11	+.01	"
193	3/16	0621 / 0628	" "	37.5	23.7	3.48	4.12	82.7		.6	11	+.04	"
194	4/17	2146 / 2156	BLAKELY	32.0	13.7	2.84	3.98	38.9		.6	10	-.03	"
195	4/18	1015 / 1023	"	26.0	6.08	1.50	3.81	9.1		.5	8	-.02	"
196	4/20	1258 / 1308	"	35.0	16.0	2.82	4.00	45.2		.6	11	-.02	"

75DT4M 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, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	4.2	0	0	0	a 1.5	0				
2	0	0	+	0	0	0	0	0				
3	0	0	0	0	0	0	0	0				
4	0	0	7.3	0	0	0	0	0				
5	0	0	0	0	0	0	0	0				
6	0	0	0.7	0	0	0	0	0				
7	0	0	+	0	0	0	0	0				
8	0	0	0	0	0	0	0	1.0				
9	0	0	0	0	0	0	0	7.0				
10	0	0	0	0	0	0	0	0				
11	0	0	0	0	0	0	1.6	0				
12	0	0	0	0	0	0	6.3	0				
13	0	0.1	0	0	0	0	0.5	0				
14	0	7.1	0	0	0	0	0	0				
15	0	0	0	0	0	0	0	0.2				
16	0	0	0	0	0	0	0	0.1				
17	0	0.4	0	0	0	0	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	1.5	0	0	0	0	0	0				
22	0	0	0	0	0.1	0	0	0				
23	0	0	1.2	0.7	3.5	0	0	0				
24	0	0	1.6	0		0	0					
25	0	0	0.5	2.3	0	0	0					
26	0	0	3.5	8.7	0	0	f 7.4	RECORD STOPPED				
27	0	0	+	0.4	0	0	+					
28	0	0	0	0	0	0	0.5					
29	0	0	0	0	0	0	0.0					
30	0	0	0	4.0		0	0					
31	0		0	1.1		0						
	0	9.1	19.0	116.2	3.6	0	88.9	8.3	0	0	0	0
MEAN	0	0.30	0.61	3.75	0.12	0	2.96	0.27	0	0	0	0
ACRE-FEET	0	18.	38.	230.	7.1	0	176.	16.	0	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.67
ACRE-FEET 485.

75DT4M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

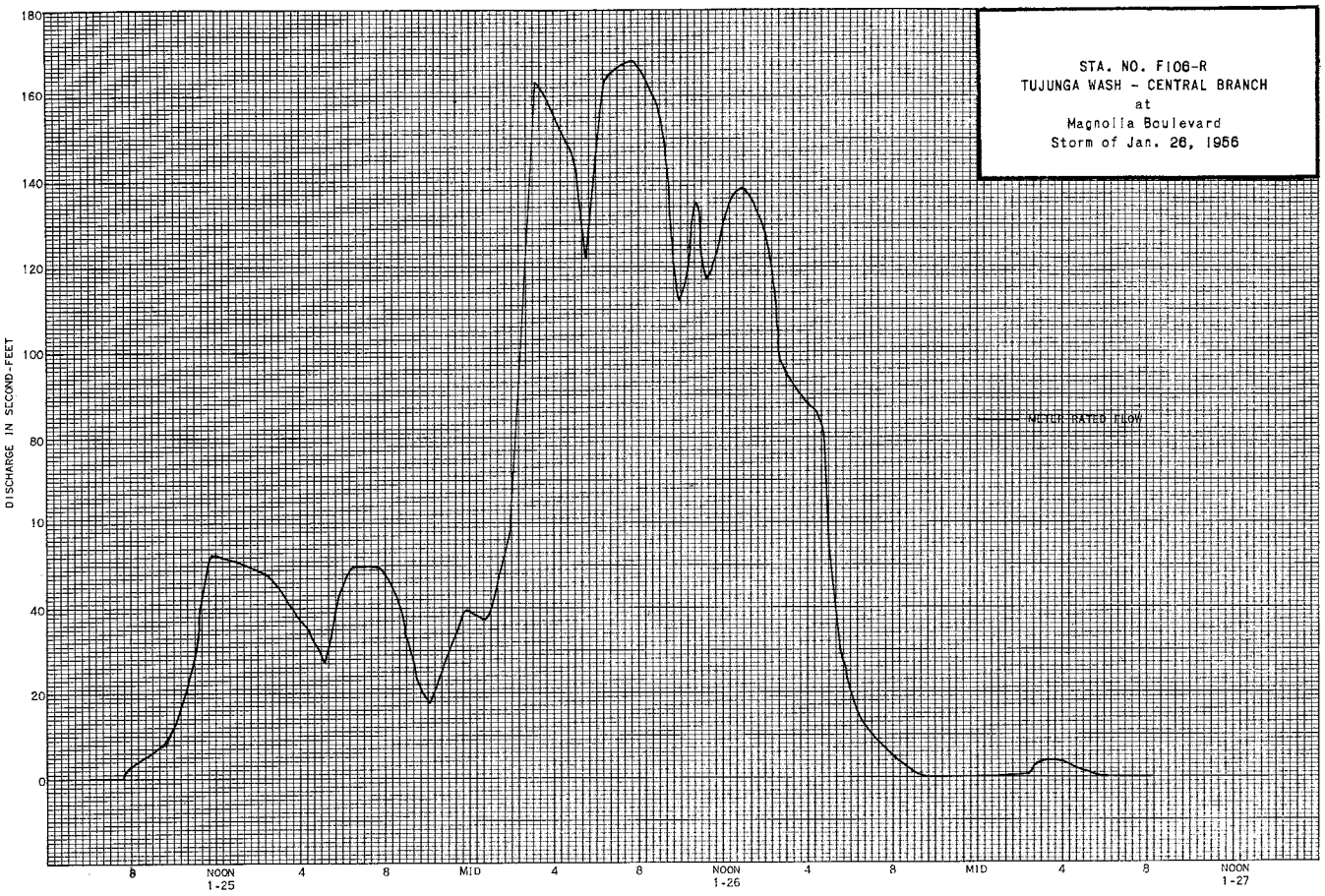
Sta. No. F106-R

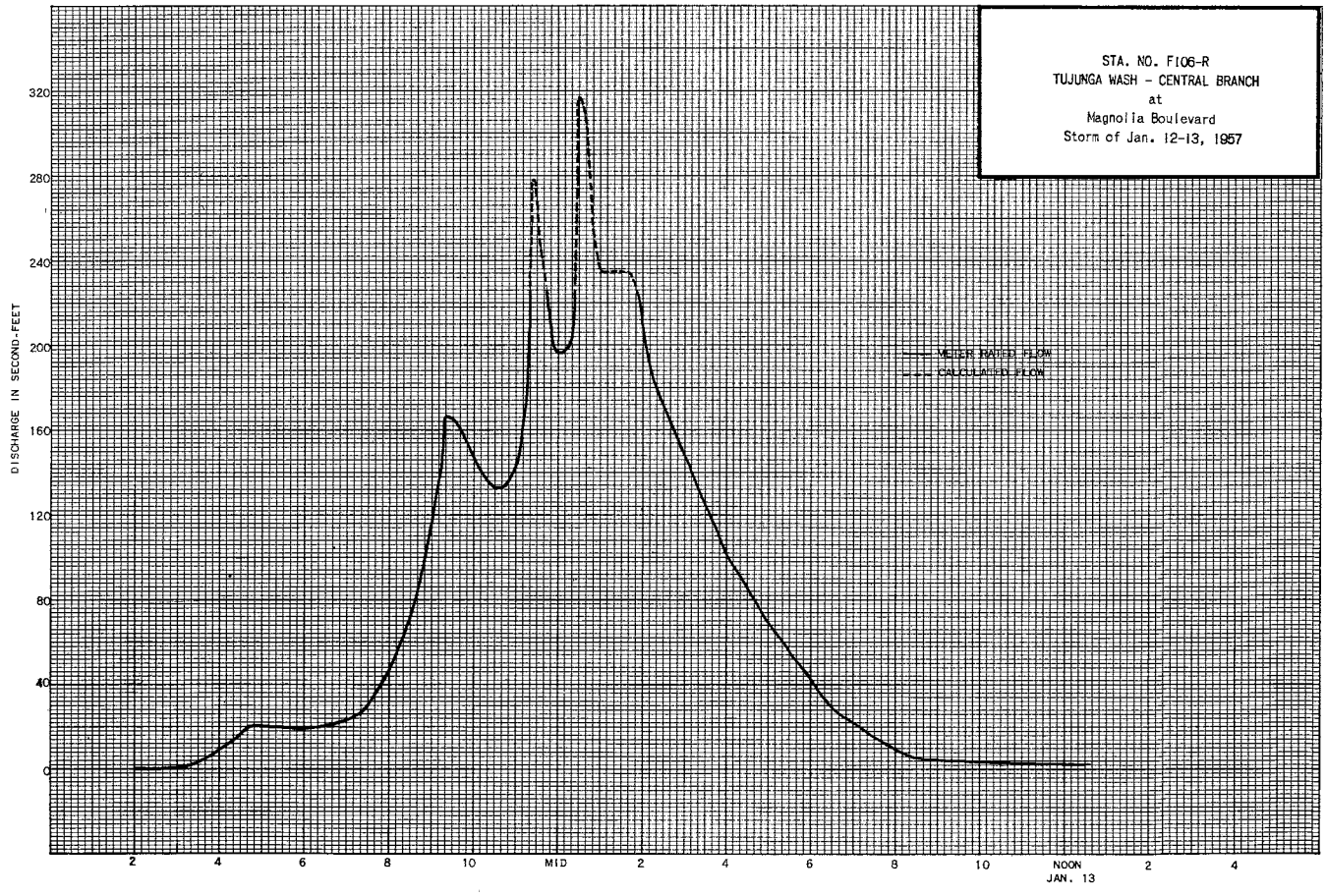
Daily discharge, in second-feet of TUJUNGA WASH - CENTRAL BRANCH at Magnolia Boulevard, for the year ending September 30, 1957

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	4.2	0	0	0			
2	0	0	0	0	0	0	0	0	0			
3	0	0	0	0	0	0	0	0	0			
4	2.4	0	0	0	0	0	0	0	0			
5	0	0	0.5	1.4	0	0	0	0	0			
6	0	0	0	0	0	0	0	0				
7	0	0	0	0.6	0	0	0.1	0				
8	0	0	0	0.2	0	0	0.1	0				
9	0	0	0	0	0	4.3	0	0				
10	0	0	0	0.5	0	+	0	0				
11	0	0	0	0	0	0	0	7.5				
12	0	0	0	3.1	0	0	0	0				
13	0	0	0	4.3	0	0	0	0				
14	0	0	0	0	0	0	0	0				
15	0	0	0	0	0	0	0	0				
16	0	0	0	0	0	1.5	0	0				
17	0	0	0	0	0	0	3.7	0.6				
18	0	0	0	0	0	0	6.7	0				
19	0	0	0	0	0	0	0	0.9				0
20	0	0	0	8.2	0	0	11	0.1				0
21	0	0	0	0	0	0	0.9	0.2				0
22	0	0	0	0	0	0	0	0				0
23	0	0	0	1.3	2.9	0	0	0				0
24	0	0	0	a 3.9	0	0	0	0				0
25	0	0	0	2.0	0	0	0	0				0
26	0	0	0	8.0	0	0	0	0				0
27	0	0	0	a 4.0	0	0	0	0				0
28	0	0	0	0.4	1.2	0	0	0				0
29	0	0	0	2.1		0	0	0				0
30	0	0	0	+		0	0	0				0
31	0		0	+		0		0				
	2.4	0	0.5	138.1	4.1	23.5	22.5	9.3	0	0	0	0
MEAN	0.08	0	0.02	4.45	1.46	0.76	0.75	0.30	0	0	0	0
ACRE-FEET	4.8	0	1.0	274.	81.	47.	45.	18.	0	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.65
ACRE-FEET 471.


STA. NO. F106-R
TUJUNGA WASH - CENTRAL BRANCH
at
Magnolia Boulevard
Storm of Jan. 26, 1956
METER RATED FLOW
DISCHARGE IN SECOND-FEET
180
160
140
120
100
80
10
40
20
0
8
NOON
1-25
4
8
MID
4
8
NOON
1-26
4
8
MID
4
8
NOON
1-27


STA. NO. F106-R
TUJUNGA WASH - CENTRAL BRANCH
at
Magnolia Boulevard
Storm of Jan. 12-13, 1957
METER RATED FLOW
CALCULATED FLOW
DISCHARGE IN SECOND-FEET
320
280
240
200
160
120
80
40
0
2
4
6
8
10
MID
2
4
6
8
10
NOON
JAN. 13
2
4

STATION F297-R
BOUTON CREEK at Anaheim Street

LOCATION: WATER-STAGE RECORDER. LAT 33°46'58", LONG. 118°06'49", ON THE UPSTREAM SIDE OF ANAHEIM STREET IN LAKEWOOD. ELEVATION OF ZERO GAGE HEIGHT 3.46 FEET.

DRAINAGE AREA: 3.60 SQUARE MILES.

CHANNEL AND CONTROL: NATURAL ADOBE CHANNEL WITH DENSE WEED GROWTH. NO ARTIFICIAL CONTROL.

DISCHARGE MEASUREMENTS: LOS FLOWS MEASURED BY WADING NEAR GAGE. HIGH FLOWS MEASURED FROM FOOTBRIDGE ABOVE STATION.

RECORDER: INSTALLED DECEMBER 7, 1949 OVER AN 18-INCH DIAMETER CORRUGATED IRON PIPE STILLING WELL. AN H.C.F. RECORDER WAS IN SERVICE FROM OCTOBER 1, 1955 TO SEPTEMBER 30, 1957.

REGULATION AND/OF DIVERSIONS: NONE

RECORDS AVAILABLE: DECEMBER 7, 1949 TO SEPTEMBER 30, 1957.

EXTREMES OF DISCHARGE:

1955-56
MAXIMUM 302 SECOND-FEET JANUARY 26.
MINIMUM NO FLOW MOST OF YEAR.

1956-57
MAXIMUM 100 SECOND-FEET JANUARY 13.
MINIMUM NO FLOW AT VARIOUS TIMES.

1950-57
MAXIMUM DISCHARGE OF RECORD 460 SECOND-FEET JANUARY 16, 1952.
MINIMUM NO FLOW PART OF EACH YEAR.

ACCURACY: FAIR DURING HIGH FLOWS. POOR DURING PROLONGED LOW FLOW PERIODS DUE TO WEED GROWTH.

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

DISCHARGE MEASUREMENTS OF BOUTON CREEK

AT Anaheim 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.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
86	11/14	0800 / 0825	BONADIMAN-SADDORIS	20.0	27.8	1.10	3.58	30.7		.6	6	-.01	FC19
87	11/17	1430	BONADIMAN	4.0	0.36	0.64	2.30	0.23	FLOATS		3	0	
88	1/25	1845 / 1850	BONADIMAN-FALCONE	25.0	68.3	1.95	5.32	133.		.6	6	-.03	FC19
89	4/12	1640 / 1645	" "	22.0	25.5	1.30	3.74	33.3		.6	5	0	"
90	4/13	1443 / 1447	" "	22.0	24.7	0.99	3.68	24.5		.6	6	+.07	"
91	4/13	1645 / 1650	" "	22.0	33.3	1.55	4.04	51.7		.6	6	-.05	"
92	4/14	1110 / 1120	" "		CHANNELS			2.78	1.4	.5	6	0	"
93	4/26	1210 / 1219	" "	22.0	31.9	1.02	4.06	32.5		.6	7	+.01	"
94	4/27	1151 / 1158	" "	(2) CHANNELS				2.79	1.4	FLOATS .6	6	0	"

DISCHARGE MEASUREMENTS OF BOUTON CREEK

AT Anaheim Street DURING THE YEAR ENDING SEPTEMBER 30, 1957

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.
95	11/1	1538 / 1538	BONADIMAN-THOMPSON		CHANNELS		2.72	0.61	FLOATS .5		6	0	FC19
96	1/5	0807 / 0822	WOOD-BONADIMAN		"		3.93	3.1		.6	11	+.02	"
97	1/10	1032 / 1047	" "	21.0	38.8	0.35	4.10	13.4		.6	7	-.03	"
98	1/13	0640 / 0645	BONADIMAN-WOOD	24.0	59.0	0.88	5.30	52.2		.6	6	-.09	"
99	1/14	1546 / 1547	WOOD	1.00	0.07	0.40	2.87	0.03	FLOATS		3	0	
100	1/20	2002 / 2013	ROY-BONADIMAN	18.0	17.5	0.22	3.43	3.9		.6	5	-.01	FC19
101	1/26	0720 / 0732	SARASUA-ROY	21.0	25.6	0.87	3.69	22.3		.6	6	-.02	"
102	1/29	0610 / 0615	BONADIMAN-ROY	20.0	15.6	0.39	3.36	6.1		.6	4	0	"
103	2/23	1046 / 1055	WOOD-BONADIMAN	19.0	24.3	0.83	3.73	20.1		.6	6	0	"
104	2/28	1932 / 1940	ROY-BONADIMAN	17.0	14.2	4.08	3.43	5.8		.6	5	0	"
105	3/1	1609 / 1617	BONADIMAN-ROY		CHANNELS		3.54	6.4		.5	15	0	"
106	3/16	0842 / 0850	MC BRIDE - BONADIMAN	18.0	17.0	0.40	3.32	6.8	SUB. FLOATS		5	+.02	
107	4/20	2151 / 2205	" "	22.0	29.4	0.62	4.05	18.1		.6	6	-.02	FC19
108	4/21	1255 / 1305	BONADIMAN		CHANNELS		3.20	1.4	SUB. .5		6	-.02	"

76D74M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F297-R

Daily discharge, in second-feet of BOUTON CREEK at Anaheim Street, for the year ending September 30, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	a +	0 .1	0	+	0	+	0 .1	+	0	+	+
2	0	a +	0 .1	0	+	0	+	0	+	+	+	0
3	0	+	0 .1	+	+	0	+	+	+	+	+	+
4	+	+	0 .4	0	0	0	+	+	+	+	+	+
5	+	0	0 .2	0	0	+	+	+	+	+	+	+
6	0	0	0	+	0	+	+	0	0 .1	+	+	+
7	0	+	+	0	0	+	+	+	0 .1	+	+	+
8	+	0 .1	0	0	0	+	0	+	+	+	+	+
9	+	+	+	+	0	+	+	0 .3	+	+	+	+
10	+	+	+	+	+	+	0	0	+	+	+	+
11	+	+	0	+	+	0	0 .2	0	+	+	+	+
12	+	0	0	+	0	0	2 0	+	+	+	+	+
13	+	0	0	+	0	+	2 5	0	+	+	+	+
14	a +	1 0	0	+	+	+	2 9	+	+	+	+	+
15	+	0 .3	0	0	0	+	0 .1	0 .1	+	0	+	+
16	+	0 .1	0	+	0	+	0	0 .2	0	+	+	+
17	0	0 .5	0	0	0	+	0 .2	0 .1	+	+	+	+
18	0	0 .1	0	0	0	0	0 .1	+	+	+	+	+
19	0	0 .1	0	+	0	0	0	+	+	0 .1	0	+
20	0	+	0	+	0	+	0 .1	0	+	+	+	+
21	0	0 .2	+	0	+	+	0	+	+	+	+	+
22	0	+	0	0	+	0	0	+	+	0	+	+
23	0	+	0 .1	0 .2	0 .1	+	+	+	+	+	+	0
24	+	0	0	+	1 2	+	0 .1	+	0	+	+	+
25	+	0	0	6 6	0	0	0	+	+	+	+	+
26	+	0	+	1 7 4	0	+	2 6	+	+	+	+	+
27	+	0	0 .1	1 2	0	0	2 0	+	+	+	+	+
28	+	0	+	0 .7	+	0	0 .1	+	+	+	+	+
29	+	0	+	0 .1	+	0	0	+	+	+	0 .1	+
30	+	+	+	0 .2	+	+	0	0	+	+	+	0
31	a +		+	9 5		+		+		+	+	
		1 1 4	1 1	2 6 2 .7	1 3		6 0 .4	0 .8	0 .2	0 .1*	0 .1	
MEAN	+	0.38	0.04	8.47	0.04	+	2.01	0.03	0.01	+	+	+
ACRE-FEET	+	23.	2.2	521.	2.6	+	120.	1.6	0.4	0.2	0.2	+

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.92
ACRE-FEET 671.

76D74M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

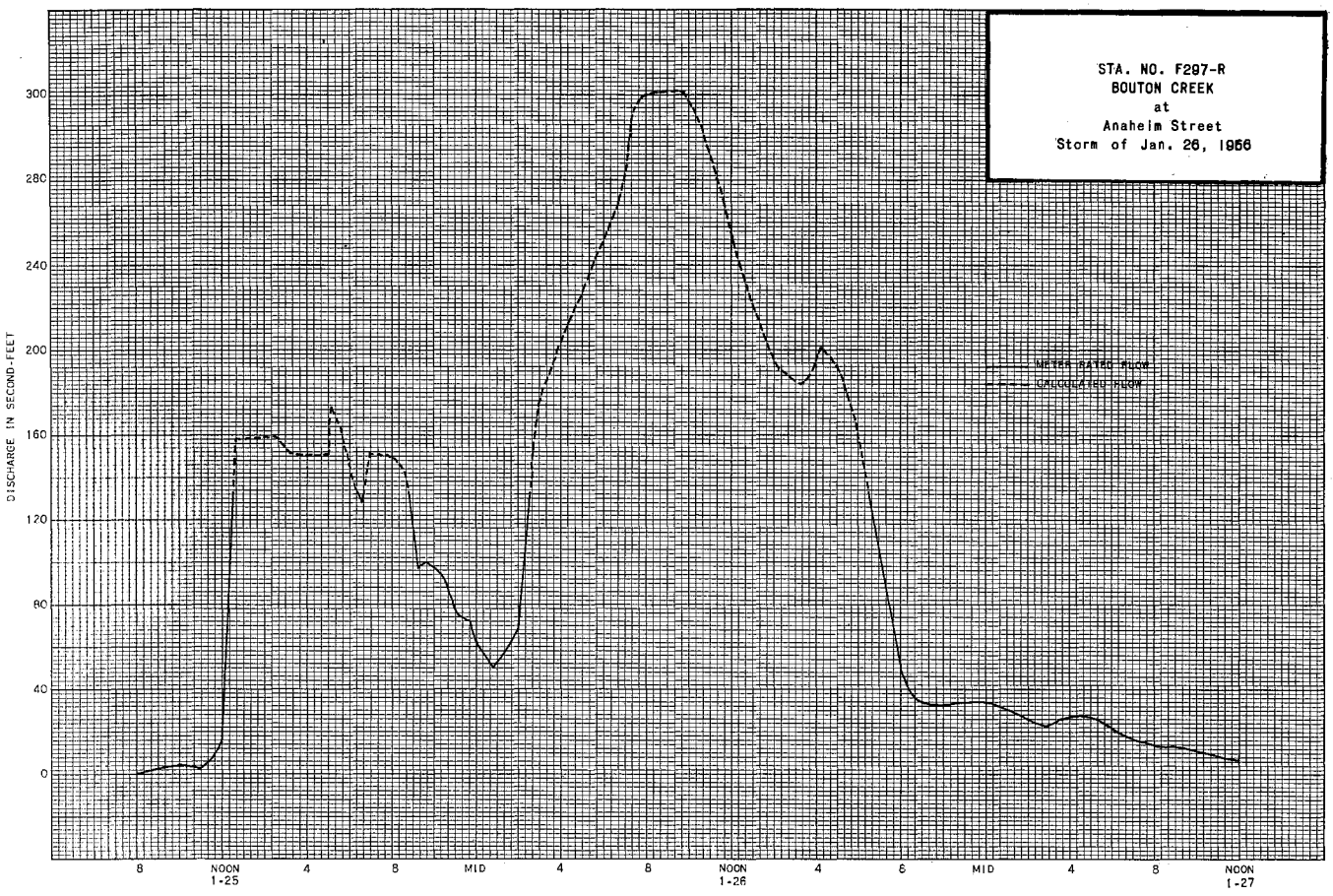
Sta. No. F297-R

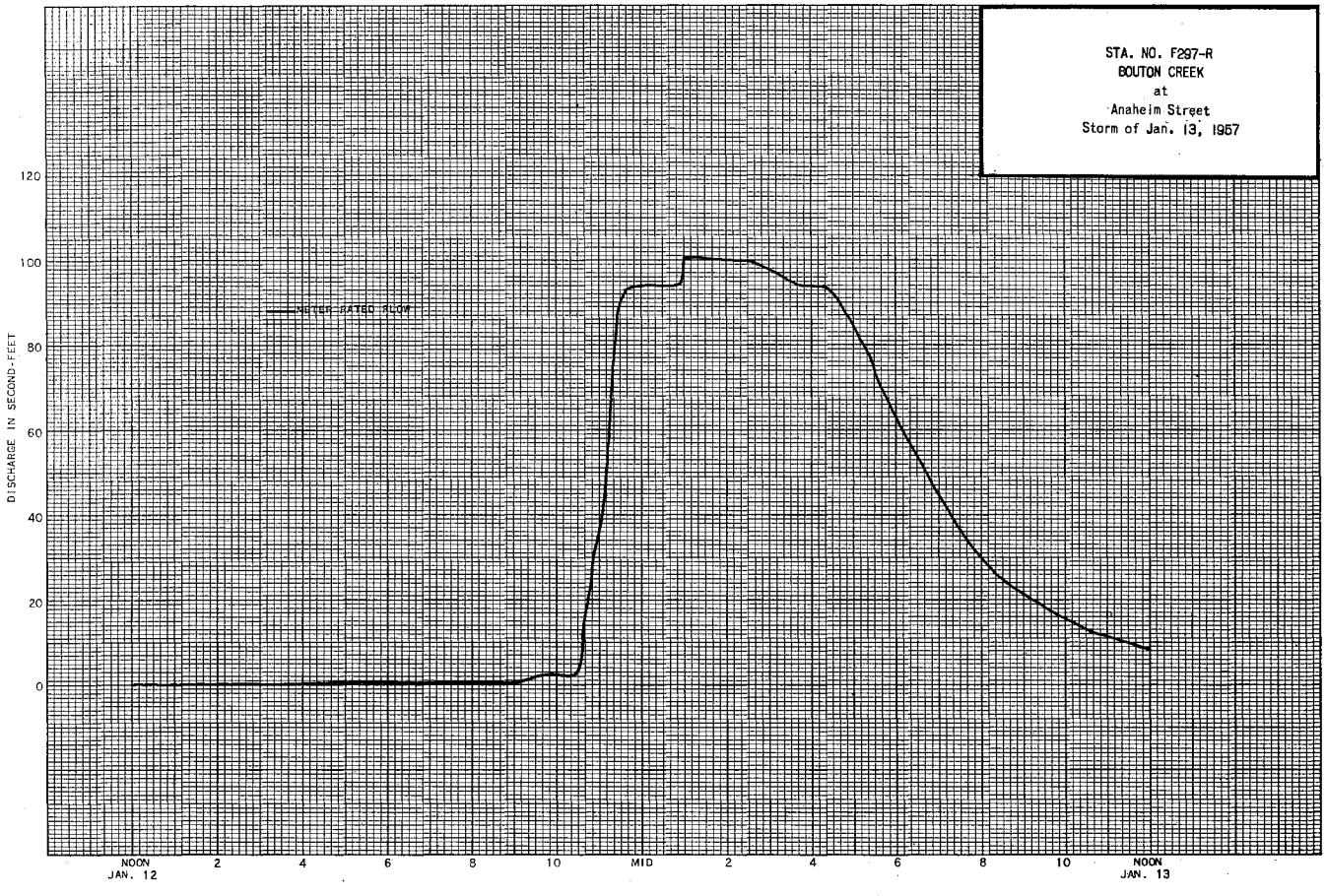
Daily discharge, in second-feet of BOUTON CREEK at Anaheim Street, for the year ending September 30, 1957

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	1 2	0	0	0	3 9	0	+	0 .1	+	+	+
2		+	0	+	+	0 .7	0		0			
3		+	0	+	0	0 .1	0		+			
4		0	0	+	0	+	0	+	+			
5		+	0 .2	1 3	0	0	+	0	0			
6	+		0 .1	0 .1	+	0	0	+	+			
7	0		0	0 .1		0	0		+	+		
8	+	+		0 .3	0	0	0		0	0 .2		
9		+	0	0 .2	+	+	0		0	+		
10		0	0	1 4	0		0	+	0	0 .2		
11		0	+	0 .3	+		+	0 .1	+	+		
12		+	0	3 8	+		+	+	+			
13		0	+	3 1	0		+	+	0			
14		0	+	0 .2	+	+	0	0	0			
15		0	0	+	+	0	0	0	+			
16		0	0		0	3 7	+	0	0			
17		0	+		0	0 .6	0 .1	+	+			
18		0	+	+	+	+	+	0	+			
19		+	0	0	+	0 .8	0	+	0 .1			
20	+	0 .1	+	1 4	+	+	7 0	+	+			
21	0	0 .1	+	0 .7	0	0	3 0	0 .5	0			
22	+	+	+	0 .1	+	0	0 .4	0 .9	+			
23		+	0	+	1 4	0	+	0 .2	0			
24		0 .4	0	1 6	0 .4	0	0	0	+			
25		0	0	1 .7	0	+	0	0				
26	+	+	0	1 5	0	0	0	0				
27	0	0	+	2 3	0	+	+	0	+			
28	0	+	0	1 .7	3 1	0	0	0	0			
29	+	+	+	3 .2		+	+	0	0			
30	+	+	0	0 .4		0	+	+	+			+
31	+		+	0		0		+		+	+	
	+	1 .8	0 .3	7 9 .4	1 7 .5	9 .8	1 0 .5	1 .7	0 .2	0 .4	+	+
MEAN	+	0.06	0.01	2.56	0.62	0.32	0.35	0.05	0.007	0.013	+	+
ACRE-FEET	+	3.6	0.6	157.	35.	19.	21.	3.4	0.4	0.8	+	+

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.33
ACRE-FEET 241.


STA. NO. F297-R
BOUTON CREEK
at
Anaheim Street
Storm of Jan. 26, 1956
METER RATED FLOW
CALCULATED FLOW
DISCHARGE IN SECOND-FEET
300
280
240
200
160
120
80
40
0
8
NOON
1-25
4
8
MID
4
8
NOON
1-26
4
8
MID
4
8
NOON
1-27


STA. NO. F297-R
BOUTON CREEK
at
Anaheim Street
Storm of Jan. 13, 1957
METER RATED FLOW
DISCHARGE IN SECOND-FEET
120
100
80
60
40
20
0
NOON
JAN. 12
2
4
6
8
10
MID
2
4
6
8
10
NOON
JAN. 13

STATION E285-R
BURBANK WESTERN STORM DRAIN at Riverside Drive

LOCATION: WATER-STAGE RECORDER. LAT. 34°09'38". LONG. 118°18'13". ON THE RIGHT (WEST) BANK. 20 FEET UPSTREAM FROM HIGHWAY BRIDGE. NEAR THE SOUTHWEST CITY LIMITS OF GLENDALE. ELEVATION OF ZERO GAGE HEIGHT. 466.08 FEET.

DRAINAGE AREA: 25.0 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - CONCRETE 60 FEET WIDE BY 10 FEET DEEP WITH 0.5 FOOT INVERT. CONTROL - CHANNEL FORMS CONTROL.

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

REGULATION AND/OR DIVERSIONS: PARTIALLY REGULATED BY SOME DEBRIS BASINS.

RECORDS AVAILABLE: OCTOBER 1949 TO SEPTEMBER 30, 1957.

EXTREMES OF DISCHARGE:
1955-56
MAXIMUM NOT DETERMINED JANUARY 26.
MINIMUM 2.0 SECOND-FEET AT VARIOUS TIMES.
1956-57
MAXIMUM 1770 SECOND-FEET FEBRUARY 23.
MINIMUM 1.6 SECOND-FEET SEVERAL DAYS IN OCTOBER
1951-57
MAXIMUM 1770 SECOND-FEET FEBRUARY 23, 1957.
MINIMUM 1.2 SECOND-FEET AT VARIOUS TIMES

ACCURACY: POOR DURING LOW FLOWS, FAIR DURING HIGH 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.

DISCHARGE MEASUREMENTS OF BURBANK WESTERN STORM DRAIN

AT Riverside Drive 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.
246	10-6	0810	BLAKELY	4.0				3.9		RECT. WEIR			
247	10/13	0815	"	4.0				3.6		"	"		
248	10/20	0810	"	4.0				3.6		"	"		
249	10/27	0832	"	4.0				3.7		"	"		
250	11/3	0831	"	4.0				3.3		"	"		
251	2/9	1331 / 1339	"	36.0	4.84	0.64		3.1		.5	10		FC53
252	2/16	1146 / 1156	"	36.0	3.68	0.54		2.0		.5	10		"
253	2/24	0820 / 0832	"	39.0	6.73	0.83		5.6		.5	12		FC53
254	3/1	1100 / 1120	SADDORIS	19.5	1.53	1.44		2.2	FLOATS		6		
255	3/8	1200 / 1212	SJOSTEDT-BLAKELY	36.0	4.88	0.70		3.4		.5	10		FC53
256	3/15	1122 / 1132	BLAKELY	35.5	3.80	0.63		2.4		.5	10		"
257	3/22	1223 / 1233	"	36.5	5.66	0.60		3.4		.5	12		"
258	3/28	1100 / 1108	"	37.0	5.25	0.67		3.5		.5	10		"
259	4/5	1248 / 1254	"	36.0	4.52	0.55		2.5		.5	10		"
260	4/20	1106 / 1114	"	37.0	5.66	0.67		3.8		.5	10		"
261	5/2	1231 / 1239	"	35.5	4.62	0.61		2.8		.5	10		"
262	5/10	0814 / 0824	"	37.2	6.12	0.59		3.6		.5	10		"
263	5/17	1152 / 1200	"	36.8	5.08	0.61		3.1		.5	10		"
264	5/24	1207 / 1215	"	38.0	5.84	0.68		4.0		.5	10		"
265	5/31	1200 / 1210	"	36.5	5.25	0.55		2.9		.5	10		"
266	6/6	1340	"	4.0				3.0		RECT. WEIR			
267	6/14	1245	"	4.0				2.9		"	"		
268	6/21	1230	BLAKELY-HOLLERON	4.0				3.8		"	"		
269	6/28	1200	BLAKELY	4.0				5.0		"	"		
270	7/5	0832	"	4.0				2.3		"	"		
271	7/19	0810	"	4.0				2.3		"	"		
272	7/26	0828	BLAKELY-FALCONE	4.0				2.5		"	"		
273	8/2	0820	BLAKELY	4.0				2.1		"	"		
274	8/9	1200	HOLLERON	4.0				3.8		"	"		
275	8/23	0805	BLAKELY-BOWMAN	4.0				6.4		"	"		
276	8/30	0820	BLAKELY	4.0				2.3		"	"		
277	9/6	1605	"	4.0				4.9		"	"		
278	9/13	0825	"	4.0				2.3		"	"		
279	9/20	0822	"	4.0				2.3		"	"		
280	9/27	0825	"	4.0				2.5		"	"		

DISCHARGE MEASUREMENTS OF BURBANK WESTERN STORM DRAIN

AT Riverside Drive 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.	G. HT. CHANGE TOTAL	METER NO.
281	10/18	0825	BLAKELY				0.29	2.1		4' WEIR			
282	10/25	0810	BLAKELY-STUNDEN				0.24	1.6		"	"		
283	11/1	0810	BLAKELY				0.30	2.2		"	"		
284	11/8	0810	"				0.26	1.8		"	"		
285	11/29	0825	"				0.30	2.2		"	"		
286	12/27	1040	"				0.36	2.9		"	"		
287	5/9	0900	FALCONE-BOWMAN	29.0	20.2	0.14		2.8	FLOATS				
288	6/13	1055 / 1110	BOWMAN	39.0	7.46	0.54		4.0		.5	11		FC53
289	6/20	1020 / 1035	"	36.0	7.64	0.47		3.6		.5	10		"
290	6/27	0822 / 0832	BLAKELY	36.8	5.64	0.60	0.10	3.4		.5	10	0	"
291	7/3	1014 / 1022	WOOD-SARASUA	38.0	6.75	0.39	0.08	2.6		.5	8	0	"
292	7/11	0936 / 0950	SARASUA-WOOD	39.0	8.78	0.47		4.1		.5	9		"
293	7/18	1015 / 1030	SARASUA	40.0	7.50	0.38	0.09	2.9		.6	8	0	"
294	7/25	0840 / 0848	BLAKELY	36.0	5.32	0.53	0.08	2.8		.5	10	0	"
295	8/1	0953 / 1010	WOOD	40.0	7.40	0.53	0.09	3.9		.5	11	0	"
296	8/8	0930 / 0945	BOWMAN	16.0	2.36	1.44	0.08	3.4		.5	9	0	"
297	8/15	0920 / 0935	"	16.0	2.40	1.13	0.10	2.7		.5	9	0	"
298	8/22	0837 / 0851	SARASUA-BLAKELY	36.0	6.36	0.42	0.10	2.8		.5	11	0	"
299	8/29	1030 / 1045	SARASUA	38.0	8.43	0.42	0.11	3.5		.5	9	0	"
300	9/5	0915 / 0930	ROY	15.0	2.30	1.15	0.03	2.6		.5	9	0	"
301	9/12	1025 / 1035	BOWMAN	16.0	2.64	1.32	0.08	3.3		.5	9	0	"
302	9/19	0925 / 0935	ROY-BOWMAN	16.0	2.84	0.95	0.07	2.7		.5	9	0	"
303	9/26	1035 / 1045	BOWMAN	15.0	3.21	1.24		4.0		.5	9		"

FSD74M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F285-R

Daily discharge, in second-feet of BURBANK WESTERN STORM DRAIN at Riverside Drive, for the year ending September 30, 19 56

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.6	3.4	19.1	3.2	3.0	2.2	5.3	2.9	2.9	3.8	2.2	3.1
2	2.9	3.4	3.5	3.2	3.0	2.4	2.8	2.8	2.9	3.4	2.1	3.5
3	3.2	3.3	3.0	3.1	3.0	2.6	2.7	2.8	2.9	3.0	2.4	3.9
4	3.6	3.5	2.9	3.1	3.0	2.8	2.6	2.8	3.0	2.6	2.7	4.3
5	3.9	3.8	3.0	3.0	3.0	3.0	2.5	2.8	3.0	2.3	3.0	4.7
6	3.9	4.0	3.2	3.0	3.1	3.2	2.5	2.8	3.0	2.3	3.3	4.9
7	3.9	4.2	3.3	3.1	3.1	3.4	2.4	2.8	3.0	2.3	3.6	4.5
8	4.0	4.4	3.5	3.2	3.1	3.4	2.3	5.2	3.0	2.3	3.7	4.1
9	4.0	4.4	3.5	3.3	3.1	3.2	2.2	5.8	3.0	2.3	3.8	3.7
10	4.1	4.5	3.5	3.4	2.9	3.0	2.1	3.6	3.0	2.3	4.0	3.3
11	3.9	4.3	3.5	3.5	2.7	2.9	3.6	3.6	2.9	2.3	4.2	2.9
12	3.7	4.1	3.5	3.5	2.6	2.8	7.2	3.5	2.9	2.3	4.4	2.5
13	3.6	4.0	3.5	3.5	2.4	2.6	1.4	3.4	2.9	2.3	4.6	2.3
14	3.6	3.5	3.5	3.4	2.2	2.5	3.0	3.3	2.9	2.3	4.8	2.3
15	3.6	3.2	3.5	3.3	2.0	2.4	3.0	3.2	3.0	2.3	5.0	2.3
16	3.6	3.2	3.5	3.2	2.0	2.5	3.2	3.1	3.1	2.3	5.2	2.3
17	3.6	3.2	3.4	3.1	2.0	2.7	3.2	3.1	3.2	2.3	5.4	2.3
18	3.6	3.2	3.3	3.0	2.0	2.8	3.4	3.2	3.4	2.3	5.6	2.3
19	3.6	3.2	3.2	3.0	2.1	3.0	3.6	3.4	3.6	2.3	5.8	2.3
20	3.6	3.2	3.1	3.0	2.1	3.1	3.8	3.5	3.7	2.3	6.0	2.3
21	3.6	18.6	3.0	3.0	2.1	3.2	3.8	3.6	3.8	2.3	6.2	2.3
22	3.6	3.5	3.0	3.0	2.1	3.4	3.5	3.7	3.9	2.4	6.3	2.3
23	3.6	3.3	3.5	3.0	3.6	3.4	3.2	3.8	4.0	2.4	6.4	2.4
24	3.7	3.1	11.5	3.0	5.4	3.4	2.8	4.0	4.2	2.4	5.8	2.4
25	3.7	3.0	6.6	7.0	4.3	3.4	2.5	3.9	4.4	2.5	5.2	2.4
26	3.7	3.0	10.6	4.00	4.3	3.5	2.4	3.7	4.6	2.5	4.6	2.5
27	3.7	3.1	3.5	33	3.2	3.5	5.1	3.5	4.8	2.5	4.0	2.5
28	3.6	3.2	3.4	3.0	3.2	3.5	3.2	3.3	5.0	2.4	3.4	2.4
29	3.6	3.3	3.4	3.0	2.2	3.3	3.1	3.1	4.6	2.4	2.8	2.4
30	3.5	3.4	3.3	17		3.2	3.0	3.0	4.2	2.3	2.3	2.4
31	3.5		3.3	5.2		3.1		2.9		2.3	2.7	
	112.3	153.0	163.7	607.3	115.2	93.4	226.8	158.3	104.8	76.0	131.5	87.8
MEAN	3.62	5.10	5.28	19.6	3.97	3.01	7.56	5.11	3.49	2.45	4.24	2.93
ACRE-FEET	223.	347.	325.	1200.	228.	185.	450.	314.	208.	151.	261.	174.

Remarks:

YEAR OR PERIOD MEAN 5.56
ACRE-FEET 4070.

FSD74M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

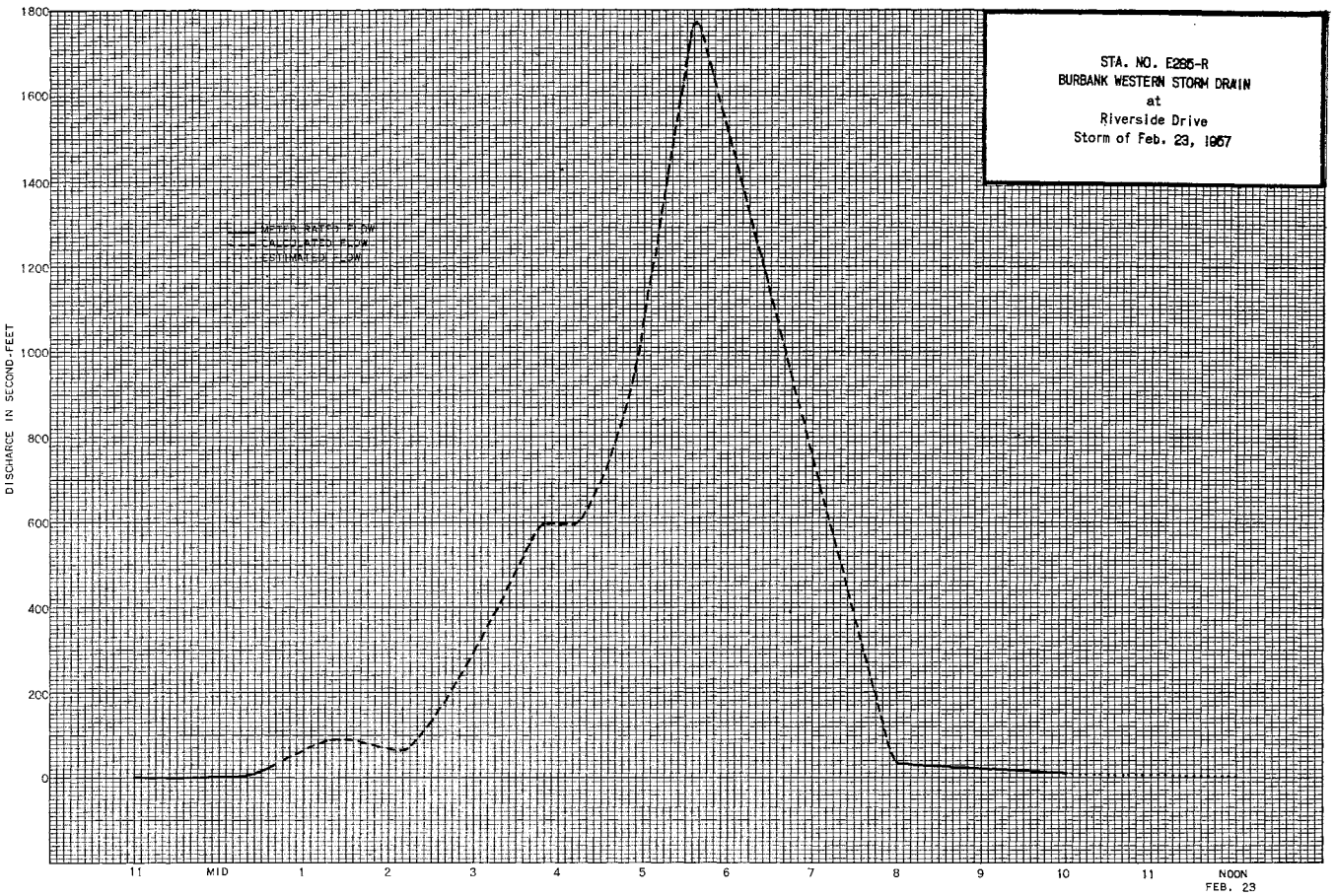
Sta. No. F285-R

Daily discharge, in second-feet of BURBANK WESTERN STORM DRAIN at Riverside Drive, for the year ending September 30, 19 57

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	e 2.4	b 2.2	b 2.2	b 2.9	e 2.5	9.6	e 2.5	e 2.6	b 3.0	b 3.0	b 3.9	b 3.0
2	2.4	2.1	2.2	2.9	2.6	e 3.0	2.5	2.6	3.0	2.8	3.9	2.9
3	2.4	2.1	2.3	2.9	2.7	3.0	2.5	2.7	3.0	2.6	3.8	2.8
4	2.4	2.0	2.3	b 2.9	2.8	3.0	2.5	2.7	3.0	2.8	3.7	2.7
5	2.4	2.0	8.4	2.4	2.9	3.0	2.5	2.7	3.0	3.0	3.6	2.6
6	2.3	1.9	2.3	b 2.0	3.0	3.0	2.5	2.7	3.0	3.2	3.5	2.7
7	2.3	1.9	2.4	6.3	3.0	3.0	2.5	2.8	3.0	3.4	3.4	2.8
8	2.3	1.8	2.4	b 4.5	3.0	e 3.0	2.5	e 2.8	3.2	3.6	3.4	2.9
9	2.3	1.8	2.4	b 3.2	2.9	2.0	2.5	2.8	3.4	3.8	3.3	3.0
10	2.3	1.8	2.4	4.4	2.8	e 3.0	2.5	2.8	3.6	4.0	3.2	3.1
11	2.2	1.9	2.5	b 3.2	2.7	3.0	2.5	3.2	3.8	4.1	3.0	3.2
12	2.2	1.9	2.5	10.3	2.6	2.8	2.5	b 3.2	4.0	4.0	2.9	3.3
13	2.2	1.9	2.5	8.4	2.5	2.5	2.5	3.0	4.0	3.8	2.8	3.2
14	2.2	2.0	2.5	e 3.0	2.5	2.5	2.5	2.8	4.0	3.6	2.7	3.1
15	2.2	2.0	2.6	2.9	2.5	e 2.5	2.5	2.6	3.9	3.4	2.7	3.0
16	2.1	2.0	2.6	2.7	2.5	6.2	e 2.5	2.5	3.8	3.2	2.7	2.9
17	e 2.1	2.0	2.6	2.5	2.5	e 2.0	3.2	2.5	3.8	3.0	2.7	2.8
18	b 2.1	2.0	2.6	2.8	2.5	2.0	2.3	2.5	3.7	2.9	2.7	2.7
19	2.1	2.0	2.7	e 3.2	2.5	2.0	e 3.2	2.5	3.6	2.9	2.8	2.7
20	2.0	2.0	2.7	2.5	2.5	2.1	5.2	2.5	3.6	2.9	2.8	2.8
21	2.0	2.1	2.7	e 2.5	2.5	2.1	e 2.5	2.5	3.6	2.9	2.8	3.0
22	1.9	2.1	2.7	e 2.5	e 2.5	2.2	2.5	2.5	3.5	2.8	2.8	3.2
23	1.8	2.1	2.8	13.5	19.2	2.2	2.5	2.5	3.5	2.8	2.9	3.4
24	1.7	2.1	2.8	8.5	e 3.0	2.3	2.5	2.5	3.5	2.8	3.0	3.6
25	1.6	2.1	2.8	7.8	3.0	2.4	2.5	2.6	3.4	2.8	3.1	3.8
26	1.6	2.2	2.8	15.9	3.0	2.4	2.5	2.7	3.4	2.9	3.2	4.0
27	1.7	2.2	2.9	13.2	e 3.0	2.5	2.5	2.8	3.4	3.0	3.3	3.8
28	1.8	2.2	2.9	e 3.2	b 5.1	2.5	2.5	2.9	3.3	3.2	3.4	3.6
29	1.9	2.2	2.9	4.6		2.5	2.6	3.0	3.2	3.4	3.5	3.2
30	2.0	b 2.2	2.9	e 2.5		2.5	e 2.6	3.0	b 3.1	3.6	3.4	b 3.0
31	b 2.1		b 2.9	e 2.5		e 2.5		b 3.0		b 3.8	b 3.2	
	65.0	60.8	86.2	406.4	313.5	163.1	175.4	113.3	103.3	100.0	98.1	92.8
MEAN	2.10	2.03	2.78	13.1	11.2	5.26	5.85	3.65	3.44	3.23	3.16	3.09
ACRE-FEET	129.	121.	171.	806.	622.	323.	348.	225.	205.	198.	195.	184.

Remarks:

YEAR OR PERIOD MEAN 4.87
ACRE-FEET 3530.



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 NO. 126 ABOUT 6.0 MILES NORTHWEST OF SAUGUS AND 1.5 MILES WEST OF THE JUNCTION OF STATE HIGHWAY NO. 126 AND U.S. HIGHWAY NO. 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: INSTALLED DECEMBER 27, 1945 OVER AN 18-INCH CORRUGATED IRON PIPE STILLING WELL. AN H.C.F. RECORDER WAS IN SERVICE FROM OCTOBER 1, 1955 TO SEPTEMBER 30, 1957.

REGULATION AND/OR DIVERSION: NONE.

RECORDS AVAILABLE: DECEMBER 27, 1945 TO SEPTEMBER 30, 1957. SOME STREAM FLOW MEASUREMENTS ARE AVAILABLE FOR EARLIER YEARS.

EXTREMES OF DISCHARGE:
1955-56
MAXIMUM 281 SECOND-FEET JANUARY 26.
MINIMUM NO FLOW PART OF YEAR.
1956-57
MAXIMUM 237 SECOND-FEET JANUARY 13.
MINIMUM DRY MOST OF YEAR.
1949-57
MAXIMUM 4200 SECOND-FEET JANUARY 15, 1952.
MINIMUM NO FLOW MOST OF EACH YEAR.

ACCURACY: POOR - 1955-56, FAIR - 1956-57.

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 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	METH-OD	MEAS. SEC. NO.	S. HT. CHANGE TOTAL	METER NO.
60	1/26	1355 / 1408	WHISLER-ROGERS	55.0	31.9	3.89	4.68	124.		.6	17	0	FC5
61	1/27	0932 / 0940	" "	24.0	9.96	3.39	4.21	33.8		.5 / .6	13	0	"

DISCHARGE MEASUREMENTS OF CASTAIC CREEK

AT ~~NEAR~~ Highway 126 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.	RATINGS	METH-OD	MEAS. SEC. NO.	S. HT. CHANGE TOTAL	METER NO.
62	1/13	0002 / 0012	WHISLER-FEIKER	2 CHANNELS			4.63	122.		.6	13	+.06	FC5
63	1/13	0249 / 0303	" "		"		5.12	238.		.6	17	+.04	"
64	2/23	0943 / 0951	WHISLER-BOWMAN		"		4.33	90.4		.6	12	-.01	"
65	2/28	2110 / 2118	WHISLER-MC BRIDE	25.5	9.93	2.38	4.20	23.6		.5 / .6	9	0	"
66	3/1	0453 / 0505	" "	25.0	7.9	2.64	4.13	20.8		.5	12	0	"
67	3/1	1135 / 1143	" "	20.0	4.12	1.50	3.97	6.2		.5	11	0	"

75D74M 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, 19 56

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	3.6	0	0	0	0
10	0	0	0	0	0	0	0	4.0	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	123	0	0	0	0	0	0	0	0
27	0	0	0	26	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	0
31	0		0	0		0		0		0	0	
	0	0	0	1490	0	0	0	7.6	0	0	0	0
MEAN	0	0	0	4.81	0	0	0	0.25	0	0	0	0
ACRE-FEET	0	0	0	296.	0	0	0	15.	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 0.43
ACRE-FEET 311.

75D74M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

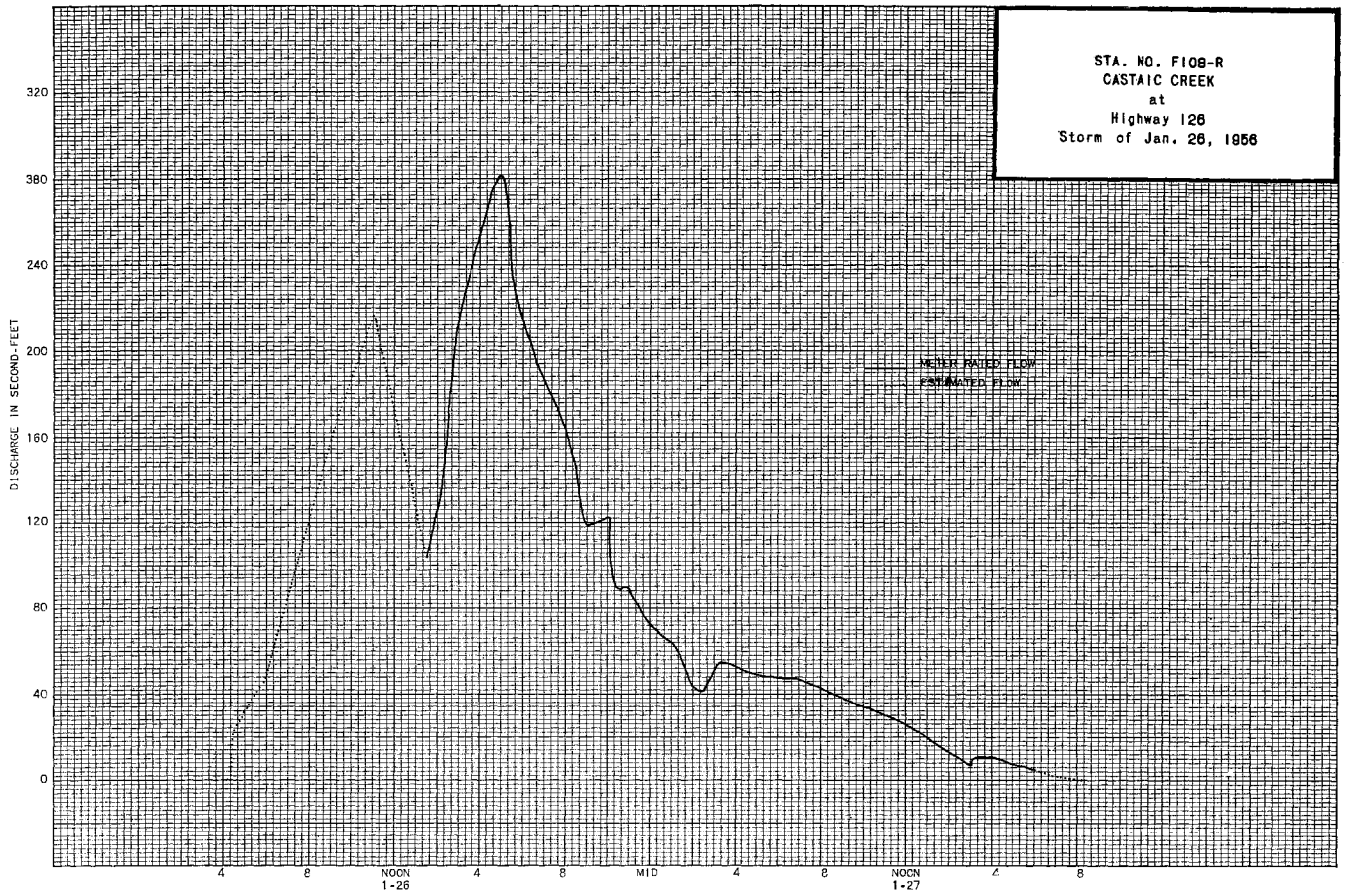
Sta. No. F108-R

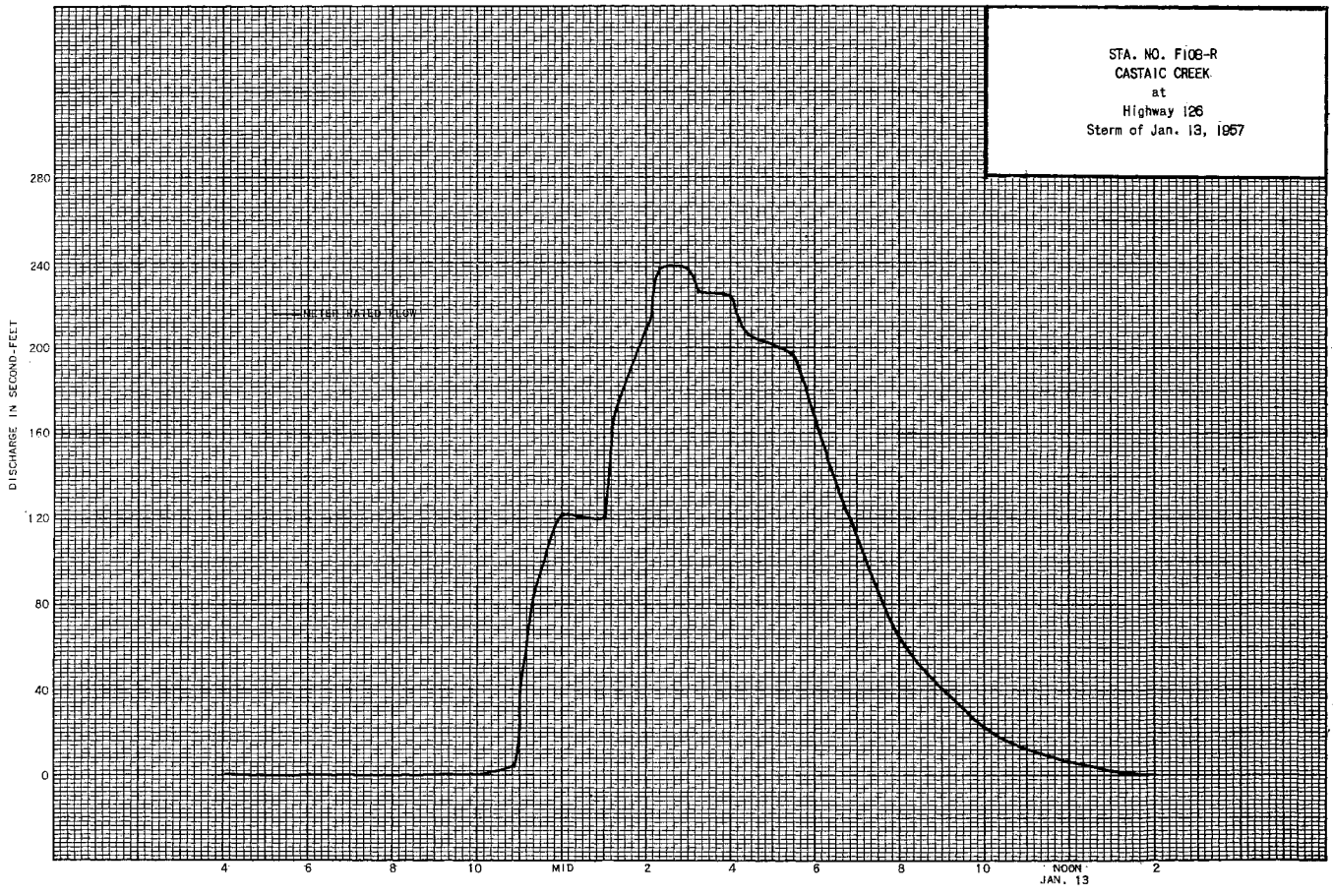
Daily discharge, in second-feet of CASTAIC CREEK at Highway 126, for the year ending September 30, 19 57

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	9.0	0	0	0			
2	0	0	0	0	0	0	0	0	0			
3	0	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	0			
6	0	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	0	0	0	0	0	0	0	RECORDER STOPPED FOR SUMMER		
12	0	0	0	0	0	0	0	0	0			0
13	0	0	0	3.8	0	0	0	0	0			0
14	0	0	0	63	0	0	0	0	0			0
15	0	0	0	0	0	0	0	0	0			0
16	0	0	0	0	0	0	0	0	0			0
17	0	0	0	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			0
23	0	0	0	0	11	0	0	0	0			0
24	0	0	0	0	0	0	0	0	0			0
25	0	0	0	0	0	0	0	0	0			0
26	0	0	0	0	0	0	0	0	0			0
27	0	0	0	0	0	0	0	0	0			0
28	0	0	0	0	5.8	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				
	0	0	0	668	16.8	9.0	0	0	0	0	0	0
MEAN	0	0	0	2.15	0.60	0.29	0	0	0	0	0	0
ACRE-FEET	0	0	0	132.	33.	18.	0	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 0.25
ACRE-FEET 184.


STA. NO. F108-R
CASTAIC CREEK
at
Highway 126
Storm of Jan. 26, 1956
METER RATED FLOW
ESTIMATED FLOW
DISCHARGE IN SECOND-FEET
320
380
240
200
160
120
80
40
0
4
8
NOON
1-26
4
8
MID
4
8
NOON
1-27
4
8


STA. NO. F108-R
CASTAIC CREEK
at
Highway 126
Storm of Jan. 13, 1957
METER RATED FLOW
DISCHARGE IN SECOND-FEET
280
240
200
160
120
80
40
0
4
6
8
10
MID
2
4
6
8
10
NOON
JAN. 13
2

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 CENTERLINE 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: LOS FLOW MEASURED BY WADING. HIGH FLOWS MEASURED FROM UPSTREAM SIDE OF 120TH STREET BRIDGE.

RECORDER: INSTALLED JANUARY 29, 1951 OVER A 48-INCH DIAMETER CONCRETE PIPE STILLING WELL. A STEVENS A-35B RECORDER WAS IN SERVICE FROM OCTOBER 1, 1955 TO SEPTEMBER 30, 1957.

REGULATION AND/OR DIVERSIONS: NONE.

RECORDS AVAILABLE: JANUARY 29, 1951 TO SEPTEMBER 30, 1957.

EXTREMES OF DISCHARGE:
1955-56
MAXIMUM 2040 SECOND-FEET JANUARY 26.
MINIMUM LESS THAN 0.2 SECOND-FOOT VARIOUS TIMES.
1956-57
MAXIMUM 1550 SECOND-FEET MAY 11.
MINIMUM NO FLOW AT TIMES IN SEPTEMBER.
1951-57
MAXIMUM 2050 SECOND-FEET FEBRUARY 13, 1954
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 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.	S. MT. CHANGE TOTAL	METER NO.
36	10/6	1000 / 1005	BONADIMAN	40.0	3.00	0.47		1.4	FLOATS		5		
37	10/13	1020 / 1028	"	26.0	1.96	0.48		0.94	"		5		
38	10/20	1000 / 1006	"	12.0	0.84	0.78		0.65	"		3		
39	10/27	1040 / 1042	"	12.0	0.72	0.92		0.66	"		3		
40	11/3	1007 / 1009	"	14.0	0.56	0.71		0.39	"		3		
41	11/10	1020 / 1030	"	18.0	0.94	0.86		0.81	"		5		
42	11/14	1242 / 1250	SADDORIS-BONADIMAN	44.0	2.58	0.93		2.4	"		5		
43	11/17	1000 / 1010	BONADIMAN	44.0	6.76	1.29	0.12	8.7	"		6	0	
44	12/1	1000 / 1002	"	8.0	0.40	1.02		0.41	"		3		
45	12/8	1030	"	10.0	0.40	0.95		0.38	"		3		
46	12/15	1000	"	10.0	0.40	0.82		0.33	"		3		
47	12/22	0945	"	10.0	0.40	1.05		0.42	"		3		
48	12/29	1016 / 1018	"	7.0	0.28	1.00		0.28	"		3		
49	1/5	1027 / 1037	"	20.0	1.36	1.03		1.4	"		6		
50	1/12	1000	"	10.0	0.30	0.80		0.24	"		3		
51	1/19	1020	"	16.0	0.80	1.25		1.0	"		3		
52	1/29	1150	"	30.0	2.64	0.95		2.5	"		5		
53	2/1	1405 / 1412	"	24.0	2.64	1.21		3.2	"		5		
54	2/16	0950	"	10.0	0.40	1.13		0.45	"		3		
55	2/23	1340 / 1350	"	48.0	13.2	1.43	0.23	18.9		.6	8	0	FC19
56	3/1	1105 / 1110	SJOSTEDT-BONADIMAN	17.0	0.96	1.15		1.1	FLOATS		4		
57	3/15	1022	BONADIMAN	10.0	0.40	0.85		0.34	"		3		
58	3/22	1015	"	8.0	0.24	0.92		0.22	"		3		

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. MT. CHANGE TOTAL	METER NO.
59	3/29	1020 / 1022	BONADIMAN	7.0	0.21	0.76		0.16	FLOATS		3		
60	4/11	0400 / 0420	BONADIMAN-FALCONE	48.0	12.2	2.54	0.30	31.0		"	5	0	
61	4/12	1030 / 1036	" "	49.5	31.9	4.39	0.71	140.		.6	7	+.04	FC19
62	4/13	0940 / 0950	" "	48.0	17.5	1.73	0.32	30.3		.6	8	-.01	"
63	4/19	1016	BONADIMAN	10.0	0.30	1.03		0.31	FLOATS		3		
64	4/26	1007 / 1015	BONADIMAN-FALCONE	48.0	48.0	5.88	0.99	282.		.6	8	+.02	FC19
65	5/10	1012 / 1014	BONADIMAN	12.0	0.84	0.99		0.83	FLOATS		3		
66	5/17	1022	"	14.0	0.98	0.93		0.91	"		3		
67	5/24	1012	"	12.0	0.60	0.95		0.57	"		3		
68	6/7	0950 / 0952	"	14.0	0.84	0.92		0.77	"		3		
69	6/14	0935 / 0938	"	14.0	0.84	0.79		0.66	"		3		
70	6/21	1010 / 1014	"	14.0	0.84	0.88		0.74	"		3		
71	6/28	1025 / 1029	BONADIMAN-WOOD	28.0	1.61	0.87		1.4	"		5		
72	7/12	1010	BONADIMAN	16.0	1.12	1.16		1.3	"		3		
73	7/19	1030 / 1035	FORSTER-SICKLER	22.0	1.10	1.08		1.2	"		3		
74	7/26	0950 / 0952	BONADIMAN	14.0	0.98	1.02		1.0	"		3		
75	8/2	1015 / 1018	"	15.0	1.05	0.95		1.0	"		3		
76	8/9	0952 / 1000	ROY-BONADIMAN	20.0	0.92	0.90		0.83	"		4		
77	8/16	0952 / 0958	BONADIMAN	17.0	1.54	0.91		1.4	"		4		
78	8/23	0956 / 1002	"	36.0	3.08	1.20		3.7	"		5		
79	8/30	1028 / 1030	WOOD-BONADIMAN	20.0	0.84	0.70		0.59	"		4		
80	9/6	1036 / 1038	WOOD	12.0	0.36	0.89		0.32	"		3		
81	9/13	0946 / 0950	"	12.0	1.14	1.23		1.4	"		5		
82	9/20	1040 / 1045	WOOD	11.0	1.11	1.17		1.3	"				
83	9/27	0956 / 1002	BONADIMAN	16.0	1.11	0.86		0.96	"				

DISCHARGE MEASUREMENTS OF COMPTON CREEK

AT ~~NEAR~~ 120th Street 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.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
84	10/4	1006 / 1018	BONADIMAN	38.0	7.15	0.78	0.15	5.6	FLOATS	.5	8	0	FC19
85	10/11	0942 / 0950	"	20.0	1.59	0.82		1.3	FLOATS		6		
86	10/18	0932 / 0942	"	27.0	2.37	0.85		2.0		"	6		
87	10/25	0946 / 0956	"	29.0	1.74	0.86		1.5		"	6		
88	11/1	1036 / 1044	THOMPSON - BONADIMAN	24.0	2.90	0.81		2.3		"	6		
89	11/8	0950 / 0954	BONADIMAN	12.0	1.04	0.98		1.0		"	4		
90	11/15	0950 / 0954	"	16.0	0.88	0.73		0.64		"	4		
91	11/29	0952 / 0956	"	13.0	0.75	0.80		0.63		"	4		
92	12/6	1055 / 1104	WOOD - BONADIMAN	30.0	3.57	0.59		2.3		"	6		
93	12/13	1030 / 1038	BONADIMAN	24.0	1.75	0.86		1.5		"	5		
94	12/20	0950 / 0952	"	10.0	0.40	1.00		0.4		"	3		
95	1/3	1000 / 1006	"	17.0	0.98	1.02		1.0		"	4		
96	1/5	0442 / 0452	WOOD - BONADIMAN	49.0	23.9	2.27	0.41	54.2		.6	5	0	FC19
97	1/10	0252 / 0300	" "	48.0	21.1	2.75	0.41	58.0		SUR.	8	-.02	"
98	1/12	2212 / 2220	BONADIMAN - WOOD	49.5	64.2	8.75	1.40	560.		.6	8	+.09	"
99	1/14	1125 / 1131	WOOD	38.0	2.31	1.04		2.4	FLOATS		6		
100	1/24	1025 / 1040	SARASUA - ROY	49.0	13.0	1.21	0.26	15.7		.5	13	0	FC19
101	1/26	0310 / 0321	ROY - SARASUA	48.0	57.5	7.65	1.20	440.		.6	8	-.04	"
102	1/29	1245 / 1255	SARASUA - ROY	48.0	29.2	2.47	0.54	72.2		.6	8	-.05	"
103	1/31	1000 / 1008	BONADIMAN	20.0	2.15	0.93		2.0	FLOATS		5		
104	2/7	1025 / 1027	MC BRIDE - BONADIMAN	10.0	0.30	0.73		0.22		"	3		
105	2/14	1000 / 1005	BONADIMAN	20.0	1.20	1.10		1.3		"	3		
106	2/28	1025 / 1028	"	12.0	1.08	0.83		0.76		"	3		
107	3/1	0840 / 0850	ROY - BONADIMAN	48.0	8.18	1.75	0.16	14.3		"	6	0	
108	3/7	1000 / 1005	MC BRIDE	10.0	0.50	0.70		0.35		"	3		
109	3/21	0955	BOWMAN	18.0	0.90	0.89		0.84		"	3		
110	4/4	1000	BONADIMAN	14.0	0.56	0.88		0.49		"	3		
111	4/18	1006 / 1015	MC BRIDE - BONADIMAN	48.0	39.6	4.24	0.82	168.		.6	7	-.10	FC19
112	4/25	1002 / 1008	BONADIMAN	24.0	1.68	0.90		1.6	FLOATS		5		
113	5/2	1005 / 1012	"	24.0	2.16	0.94		2.0		"	5		
114	5/16	1000 / 1002	"	12.0	0.48	0.50		0.24		"	3		
115	6/6	1000 / 1004	"	16.0	0.80	0.48		0.38		"	3		
116	6/13	0940 / 0943	"	16.0	0.64	0.53		0.34		"	3		
117	6/20	1020 / 1028	"	48.0	3.51	0.51	0.13	3.2		"	6	0	
118	6/27	0840 / 0950	"	48.0	5.3	0.75	0.12	4.0		SUR.	7	0	
119	7/3	0940 / 0944	"	11.0	0.62	0.64		0.45	FLOATS		4		
120	7/11	1030 / 1036	"	26.0	2.19	1.00		2.1		"	5		
121	7/18	0955 / 1000	"	25.0	1.46	1.03		1.5		"	5		
122	7/25	0846 / 0956	"	44.0	3.33	0.93		3.1		"	8		
123	8/1	1010 / 1016	"	26.0	1.86	0.86		1.6	FLOATS	SUR.	5		
124	8/8	0950 / 0952	"	12.0	0.72	0.55		0.40		"	3		
125	8/15	0948 / 0954	BONADIMAN - BLAKELY	24.0	1.56	0.90		1.4	FLOATS		5		
126	8/22	1000 / 1005	BONADIMAN	22.0	2.10	0.86		1.9	FLOATS	SUR.	4		
127	8/29	1020 / 1025		8.0	0.40	0.70		0.28		"	3		
128	9/5	0938 / 0940	WOOD	9.0	0.25	0.84		0.18	FLOATS		4		
129	9/12	0956 / 1012	"	50.0	8.19	0.73		6.0		.5	11		
130	9/19	1343 / 1347	"	11.0	0.46	0.83		0.38	FLOATS		5		
131	9/26	0958 / 1000	BONADIMAN	8.0	0.48	0.40		0.19	FLOATS	SUR.	3		

75D74M C&b 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, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	b 0.7	b 0.5	22	b 0.5	b 2.5	b 1.2	3.6	b 1.3	b 0.5	b 0.4	b 0.5	b 0.6
2	0.5	0.5	b 1.8	0.4	2.0	1.7	b 0.8	1.8	0.5	0.3	0.5	0.6
3	0.5	0.5	b 0.8	0.4	1.0	1.8	0.4	1.8	0.3	0.6	0.5	0.3
4	0.5	0.6	120	2.0	0.8	0.8	0.5	1.8	0.4	0.6	0.5	0.4
5	0.5	0.8	b 2.5	1.5	0.5	0.7	0.5	1.1	0.8	0.7	0.3	0.9
6	0.7	0.8	2.0	0.9	0.4	0.7	0.5	0.8	0.8	0.6	0.4	2.2
7	0.6	0.8	1.0	0.7	0.5	0.7	0.5	b 0.7	0.8	0.7	0.9	2.6
8	0.7	1.5	0.4	0.7	0.5	0.8	0.5	4.2	0.8	0.5	1.8	1.9
9	0.6	0.8	0.4	0.7	0.4	0.8	0.4	24	0.7	0.4	1.5	0.8
10	0.9	0.8	0.6	0.7	0.4	0.7	b 0.7	b 1.5	0.7	1.1	1.2	1.9
11	1.1	0.8	1.2	0.6	0.3	0.5	7.8	1.1	0.4	1.4	0.9	0.9
12	1.0	0.7	0.5	0.6	0.2	0.4	133	0.7	0.7	2.1	0.4	1.9
13	1.0	b 0.7	0.8	0.7	0.3	0.7	45	0.7	1.1	1.1	0.4	1.9
14	1.0	92	0.9	0.6	0.4	0.6	b 1.8	0.8	0.7	0.7	0.6	1.5
15	1.5	b 0.9	0.9	0.5	0.5	0.4	1.2	1.9	0.7	0.5	0.5	1.5
16	0.7	b 0.8	0.9	0.4	0.4	0.6	0.8	2.5	0.6	0.7	1.0	0.5
17	0.7	3.4	0.7	0.7	0.4	0.6	0.8	2.9	0.4	1.1	1.6	2.6
18	0.8	b 0.8	0.5	0.8	0.3	0.5	0.6	2.0	0.3	1.2	0.8	3.2
19	0.6	b 0.7	0.4	0.9	0.2	0.4	0.5	1.1	0.7	1.5	0.4	3.3
20	0.6	b 0.7	1.1	1.1	0.2	0.4	0.7	0.7	0.7	1.2	0.4	3.0
21	0.6	39	1.1	0.9	0.7	0.7	0.4	0.7	0.6	0.8	1.1	3.2
22	0.6	b 0.8	b 1.5	b 0.8	b 0.5	0.5	0.3	0.6	0.6	1.8	2.5	1.5
23	0.5	0.7	3.5	2.2	16.2	0.4	0.2	0.5	0.6	2.2	4.2	0.8
24	0.4	0.5	3.9	b 1.1	3.5	0.6	0.3	0.4	0.3	2.9	6.5	1.2
25	0.6	0.8	9.6	300	b 0.9	0.3	b 0.5	0.6	0.2	1.8	6.0	3.3
26	0.7	0.4	2.5	898	0.7	0.2	46	0.4	0.4	1.9	1.1	3.0
27	0.7	0.4	1.9	15.1	0.8	0.3	b 3.5	0.3	0.7	1.2	0.5	3.0
28	0.7	0.4	b 1.5	b 2.0	1.0	0.7	1.5	0.3	0.8	0.5	0.6	2.6
29	0.7	0.7	1.4	b 1.0	b 1.0	0.6	1.0	0.4	2.2	0.3	0.4	1.5
30	0.7	b 0.6	0.9	15.3		0.4	b 1.2	0.4	b 1.2	0.4	0.6	b 1.5
31	b 0.5		b 0.7	21		b 0.4		b 0.3		b 0.7	b 0.6	
	21.9	79.9		375			2555		202		392	
		153.6		1272.8		201		583		319		541
MEAN	0.69	5.12	2.58	41.0	1.29	0.65	8.51	1.88	0.67	1.03	1.26	1.80
ACRE-FEET	43.	305.	158.	2520.	74.	40.	507.	116.	40.	63.	78.	107.

Remarks:

YEAR OR PERIOD MEAN 5.59
ACRE-FEET 4050.0

75D74M C&b 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

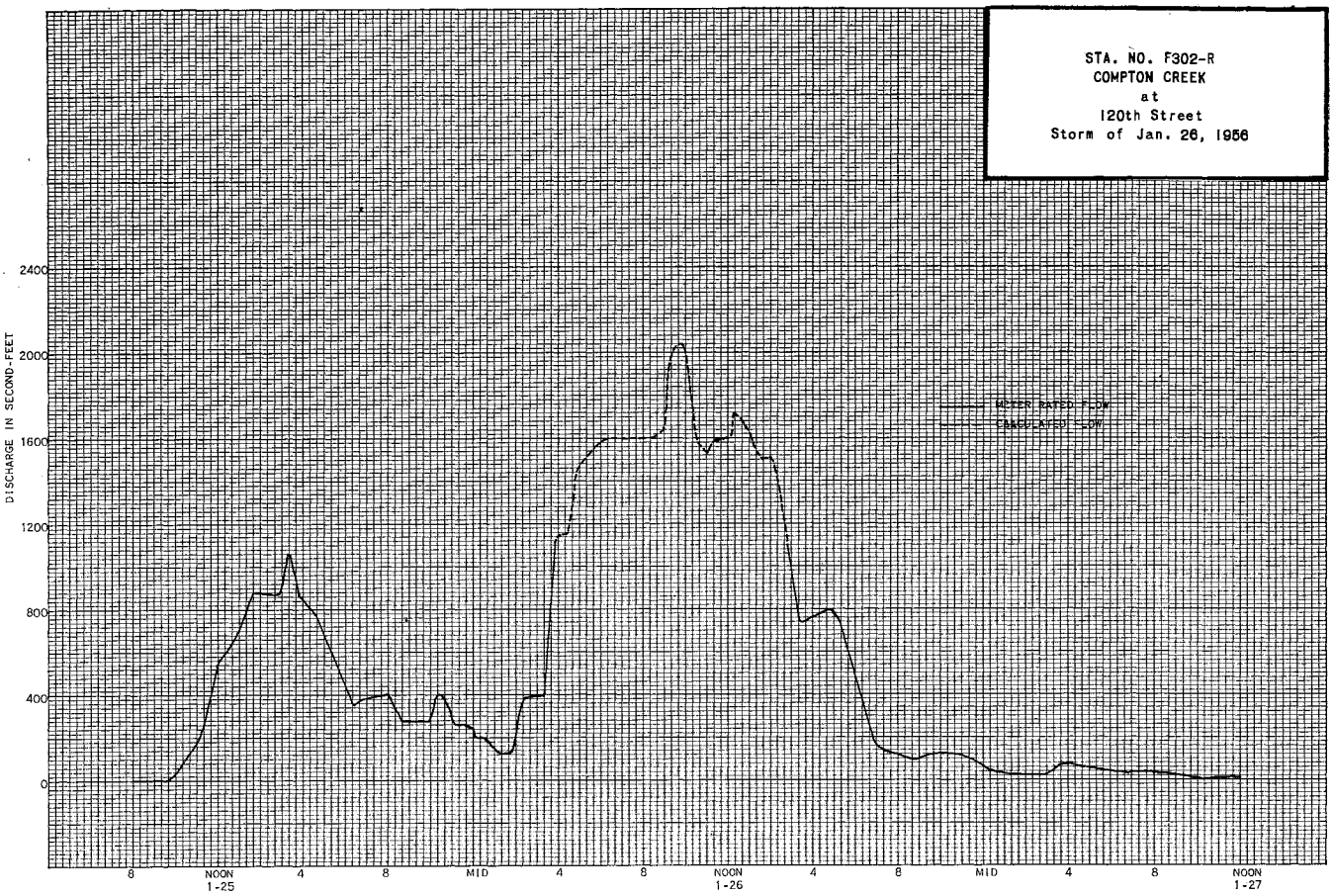
Sta. No. F302-R

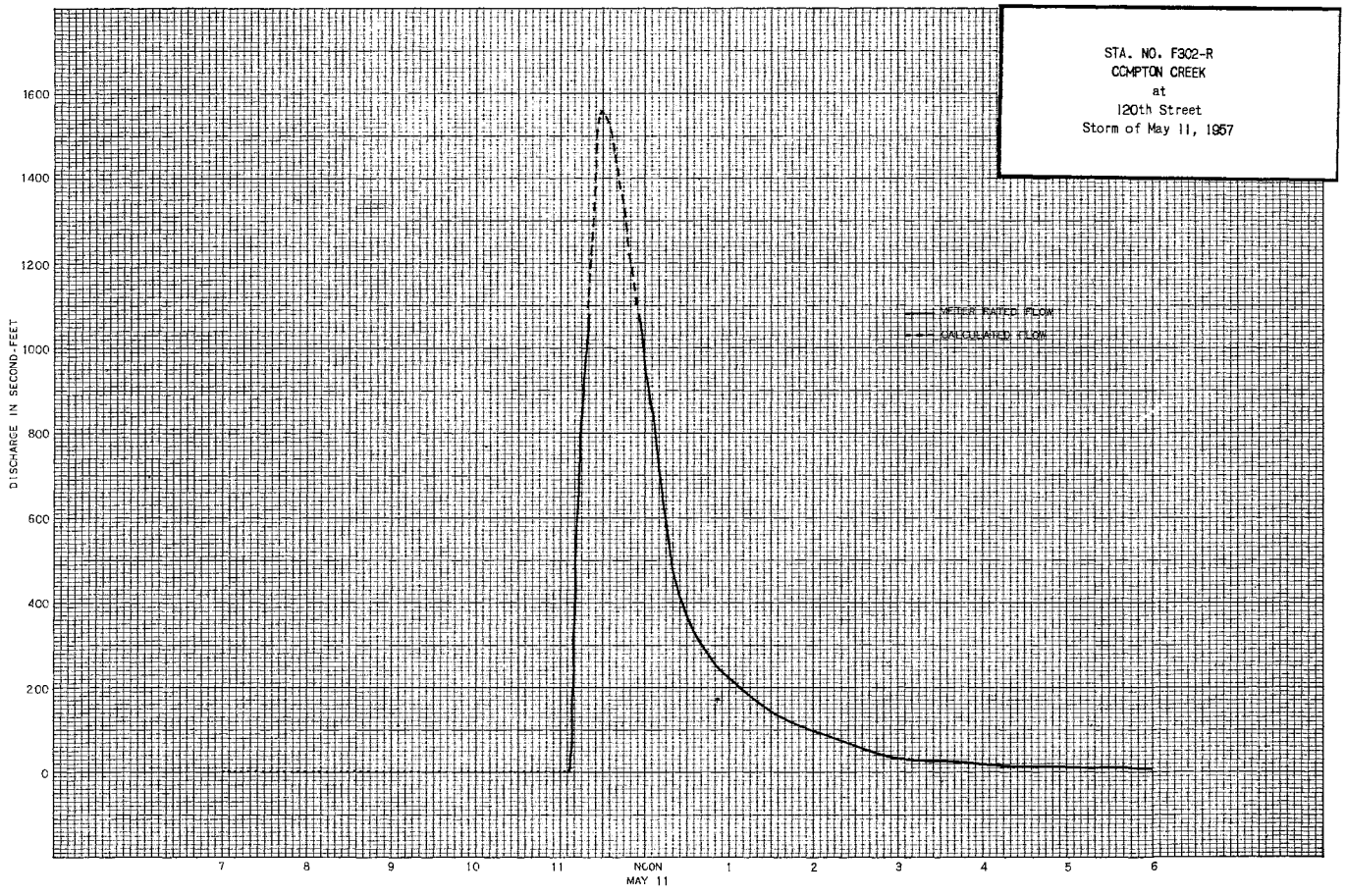
Daily discharge, in second-feet of COMPTON CREEK above 120th Street, for the year ending September 30, 1957

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	b 0.7	b 0.5	b 0.5	b 0.0	b 1.1	13.8	b 0.5	b 1.2	b 0.7	b 0.3	b 1.6	b 0.3
2	b 1.3	0.7	0.4	0.8	0.7	b 1.0	0.5	1.2	0.7	0.6	3.1	0.1
3	b 2.9	0.5	0.4	1.3	0.3	0.2	0.9	1.2	0.7	0.9	2.0	0
4	5.4	1.1	b 0.7	b 1.2	0.2	0.8	0.8	1.0	2.9	0.9	1.0	0.1
5	b 3.2	0.6	4.6	2.7	0.2	0.4	0.5	0.9	1.9	0.9	0.7	0.2
6	1.8	0.8	b 4.0	b 0.8	0.5	b 0.3	0.4	0.7	1.5	1.0	0.8	0.2
7	1.1	1.1	0.7	2.0	+	4.5	0.3	0.5	1.2	1.0	0.6	0.4
8	1.1	0.9	+	1.2	+	b 1.4	0.3	0.5	0.7	1.0	0.6	0.2
9	1.5	1.2	+	b 0.8	+	15.4	0.4	0.2	0.5	1.2	1.0	0.2
10	2.1	0.8	+	9.8	0.2	b 0.6	0.4	b 0.2	0.7	1.8	1.0	0.8
11	1.4	0.5	0.2	b 0.9	0.5	0.3	0.3	71	0.7	2.1	0.8	0.4
12	1.5	0.6	0.7	55	1.1	0.3	0.3	b 0.9	1.2	2.2	0.4	0.8
13	0.8	0.8	1.8	121	1.0	0.3	0.6	0.7	0.8	1.5	1.0	2.1
14	0.7	0.9	0.8	b 2.8	1.2	0.2	0.6	0.6	1.6	1.0	1.0	0.6
15	0.7	1.2	0.5	2.6	0.8	b 0.3	0.4	0.9	1.1	1.0	1.4	0
16	1.2	0.8	0.6	3.2	0.8	38	b 0.6	0.8	b 0.8	1.8	2.5	0
17	1.3	0.5	0.2	2.6	0.6	b 1.0	25	0.8	3.2	1.6	2.5	0.6
18	1.4	0.6	0.4	1.8	0.6	b 1.6	25	b 0.8	3.8	1.5	1.5	0.2
19	1.1	0.6	0.3	b 1.4	0.4	4.7	b 1.3	18.9	3.8	0.8	1.5	0.2
20	0.9	0.7	0.3	3.2	0.2	b 1.0	60	b 1.0	4.4	0.8	1.0	0.2
21	0.7	0.8	0.2	b 1.0	+	0.3	b 2.5	7.9	5.0	0.6	2.0	0.2
22	0.6	0.5	0.3	1.5	b 0.3	0.1	2.0	b 0.6	3.2	0.4	1.9	0.2
23	0.6	0.2	+	5.8	71	0.2	1.9	0.2	2.6	0.6	1.8	0.1
24	0.7	0.4	+	6.7	b 0.5	0.8	1.9	0.3	2.6	1.5	0.6	0.4
25	0.6	0.3	+	b 2.4	0.1	0.9	1.6	0.2	3.2	3.1	0.4	2.1
26	0.7	0.4	+	55	0.2	0.7	1.5	0.3	3.2	2.0	0.4	0.8
27	0.6	0.7	0.2	17.3	b 0.3	0.7	1.5	0.3	b 3.2	1.0	1.3	0.4
28	0.4	1.2	0.2	3.9	63	0.7	1.2	0.8	2.5	1.0	1.5	0.5
29	0.5	0.8	0.4	58		0.7	1.2	0.7	2.0	0.5	0.6	0.4
30	0.7	b 0.6	0.4	b 2.0		0.7	b 1.2	0.7	b 1.5	1.5	0.6	b 0.3
31	b 0.7		b 0.5	b 1.5		b 0.7		b 0.6		b 3.1	b 0.6	
	38.9	60.7		145.8			135.6		61.9		37.7	
		21.3		424.1		92.6		116.6		39.2		13.0
MEAN	1.25	0.71	1.96	13.7	5.21	2.99	4.52	3.76	2.06	1.26	1.22	0.43
ACRE-FEET	77.	42.	120.	841.	289.	184.	269.	231.	123.	78.	75.	26.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 3.24
ACRE-FEET 2360.


STA. NO. F302-R
COMPTON CREEK
at
120th Street
Storm of Jan. 26, 1956
DISCHARGE IN SECOND-FEET
2400
2000
1600
1200
800
400
0
METER RATED FLOW
CALCULATED FLOW
8
NOON
1-25
4
8
MID
4
8
NOON
1-26
4
8
MID
4
8
NOON
1-27


STA. NO. F302-R
COMPTON CREEK
at
120th Street
Storm of May 11, 1957
DISCHARGE IN SECOND-FEET
1600
1400
1200
1000
800
600
400
200
0
METER RATED FLOW
CALCULATED FLOW
7
8
9
10
11
NOON
MAY 11
1
2
3
4
5
6

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: INSTALLED JANUARY 22, 1928 AT STATION F37-R AT ROSECRANS AVENUE. REMOVED JUNE 9, 1938 DUE TO NEW CHANNEL CONSTRUCTION BY CORPS OF ENGINEERS, DEPARTMENT OF THE ARMY. INSTALLED OCTOBER 3, 1938 OVER A 4.0 FT. X 3.2 FT. CONCRETE STILLING WELL. A STEVENS TYPE A35-B RECORDER WAS IN SERVICE FROM OCTOBER 1, 1955 TO SEPTEMBER 30, 1957.

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, 1957.

EXTREMES OF DISCHARGE:
1955-56
MAXIMUM 4910 SECOND-FEET JANUARY 26.
MINIMUM 0.2 SECOND-FOOT FEBRUARY 19, 20.
1956-57
MAXIMUM 1780 SECOND-FEET MAY 11.
MINIMUM PLUS FLOW SEVERAL DAYS IN DECEMBER.
1928-57 (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

AT OR NEAR Greenleaf Drive 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.
627	10/6	1040 / 1045	BONADIMAN	6.0	1.87	0.35	0.46	0.66		.5	6	0	FC19
628	10/13	1040 / 1046	"	4.0	1.28	1.09	0.44	1.4		.5	4	0	"
629	10/20	1036 / 1039	"	4.0	0.88	0.84	0.43	0.74		.5	3	0	"
630	10/27	1126 / 1130	"	3.0	0.87	0.49	0.44	0.43		.5	4	0	"
631	11/3	1050 / 1058	"	6.0	1.75	0.75	0.45	1.3		.5	5	0	"
632	11/10	1056 / 1102	"	6.0	2.87	0.45	0.46	1.3		.6	6	0	"
633	11/14	1325 / 1335	SADDORIS BONADIMAN	45.0	16.7	0.59	0.60	9.8		.6	8	0	"
634	11/17	1028 / 1036	BONADIMAN	49.5	28.0	0.73	0.68	20.5		.6	6	+.02	"
635	12/1	1040 / 1048	"	2.50	0.91	0.86	0.41	0.78		.5	4	0	"
636	12/2	1130 / 1138	"	7.0	5.60	0.26	0.43	1.5		.6	6	-.02	"
637	12/8	1100 / 1105	"	1.5	0.51	1.18	0.42	0.57		.6	4	0	"
638	1/5	1100 / 1106	"	7.0	2.32	0.91	0.45	2.1		.6	4	0	"
639	1/28	1130 / 1136	SADDORIS	54.0	5.7	0.70	0.49	4.0	FLOATS	7	0		
640	1/29	2220 / 2230	BONADIMAN	30.0	2.69	0.69	0.47	1.8	"	6	0		
641	2/1	1330 / 1336	"	8.0	3.36	0.89	0.45	3.0		.6	5	0	FC19
642	2/9	1024 / 1027	"	2.0	0.71	0.56	0.40	0.39		.6	3	0	"
643	2/16	1010 / 1014	"	2.0	0.72	0.70	0.40	0.50		.6	4	0	"
644	2/23	1307 / 1320	"	54.7	42.5	1.42	0.92	60.6		.6	8	0	"
645	3/1	1130 / 1132	SJOSTEDT-BONADIMAN	16.0	1.00	1.47	0.41	1.5	FLOATS	3	0		
646	3/8	1034 / 1040	BONADIMAN	4.0	1.03	0.91	0.40	0.94		.5	4	0	FC19
647	3/15	1054 / 1100	"	2.5	1.04	0.77	0.41	0.79		.6	3	0	"
648	3/29	1100 / 1106	"	4.5	1.55	0.90	0.46	1.4		.6	5	0	"
649	4/5	1040 / 1046	"	2.5	0.90	0.97	0.41	0.88		.6	4	0	"
650	4/11	0530 / 0535	BONADIMAN-FALCONE	49.8	38.6	1.39	0.97	54.0		.6	8	-.05	FC19
651	4/12	1104 / 1122	" "	55.0	86.9	3.16	1.75	275.		.6	8	-.09	"
652	4/13	1026 / 1039	FALCONE	49.0	39.0	1.32	0.96	51.3		.6	9	+.01	"
653	4/14	1434 / 1440	BONADIMAN	4.0	2.42	0.66	0.42	1.6		.6	5	0	"
654	4/19	1056 / 1102	BONADIMAN	6.0	3.25	1.88	0.42	0.61		.6	5	0	"
655	4/26	1041 / 1053	BONADIMAN-FALCONE	60.0	128.	3.94	2.45	504.		.6	10	0	"
656	4/27	1536 / 1540	" "	5.0	1.00	2.2	0.42	2.2		.6	3	0	"
657	5/9	0425 / 0435	" "	48.0	31.6	0.78	0.79	24.8		.6	7	-.02	"
658	5/10	1058 / 1105	BONADIMAN	5.0	1.34	1.04	0.43	1.4		.5	5	0	"
659	5/17	1054 / 1102	"	10.4	6.87	0.58	0.47	4.0		.6	6	6	"
660	5/24	1030 / 1036	"	5.0	0.93	0.74	0.42	0.69		.5	4	0	"
661	6/7	1015 / 1020	"	7.5	2.93	0.51	0.45	1.5		.6	4	0	"
662	6/14	1010 / 1016	"	6.5	1.82	0.60	0.44	1.1		.5	5	0	FC2
663	6/21	1036 / 1036	"	6.0	1.54	0.71	0.45	1.1		.6	4	0	FC19
664	6/28	1055 / 1110	WOOD	6.0	1.27	0.79	0.45	1.0		.5	8	0	"
665	7/5	1010 / 1015	BONADIMAN	7.0	1.69	0.65	0.43	1.1		.5	4	0	"
666	7/12	1032 / 1042	"	13.0	4.53	1.13	0.54	5.1		.6	6	0	"
667	7/19	1055 / 1105	FORSTER-BONADIMAN	7.0	2.28	0.53	0.43	1.2		.6	5	0	"
668	7/26	1025 / 1030	BONADIMAN	7.0	2.25	0.67	0.45	1.5		.6	5	0	"
669	8/2	1018 / 1105	"	6.0	1.64	0.49	0.44	0.81		.6	4	0	"
670	8/9	1018 / 1028	ROY-BONADIMAN	6.0	1.70	0.65	0.44	1.1		.6	6	0	"
671	8/16	1020 / 1026	BONADIMAN	7.0	2.00	0.65	0.47	1.3		.6	5	0	"
672	8/23	1030 / 1040	"	13.0	4.12	0.97	0.52	4.1		.6	8	0	"
673	8/30	1052 / 1057	WOOD-BONADIMAN	5.2	1.45	0.69	0.45	1.0		.6	5	0	FC57
674	9/6	1109 / 1120	WOOD	7.0	2.31	0.65	0.46	1.5		.6	7	0	"
675	9/13	1016 / 1024	"	6.0	2.54	0.82	0.49	2.1		.6	6	0	"
676	9/20	1109 / 1119	"	6.0	2.5	0.84	0.50	2.1		.6	6	0	"

DISCHARGE MEASUREMENTS OF COMPTON CREEK

NEAR Greenleaf Drive DURING THE YEAR ENDING SEPTEMBER 30, 1957

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.
677	10/4	1318 / 1330	BONADIMAN	49.0	22.4	0.47	0.59	10.7		.6	8	0	FC19
678	10/11	1012 / 1022	"	6.0	2.11	0.85	0.41	1.8		.6	6	0	"
679	10/18	1016 / 1026	"	7.0	2.51	0.68	0.46	1.7		.6	7	0	"
680	10/25	1020 / 1028	"	6.0	1.80	0.43	0.44	0.78		.5	5	0	"
681	11/1	1100 / 1120	"	6.0	1.55	0.43	0.43	0.67		.5	5	0	"
682	11/8	1010 / 1020	"	6.0	2.51	0.40	0.45	1.0		.6	6	0	"
683	11/15	1020 / 1026	"	6.8	1.38	0.59	0.43	0.81		.5	4	0	"
684	11/23	1014 / 1016	"	2.5	0.50	0.80	0.40	0.40		.5	3	0	"
685	11/29	1015 / 1025	"	6.0	1.61	0.50	0.45	0.80		.5	6	0	"
686	12/5	2301 / 2307	BONADIMAN-WOOD	46.0	38.2	1.45	1.02	55.6		.6	9	-.03	"
687	12/6	1129 / 1142	WOOD	10.0	2.09	0.77	0.46	1.6		SUR.	7	0	"
688	12/13	1050 / 1100	BONADIMAN	9.0	1.20	1.92	0.52	2.3		SUR.	4	0	"
689	12/20	1016 / 1020	"	9.0	0.66	0.50	0.43	0.33		FLOATS	4	0	
690	1/3	1030 / 1040	"		CHANNELS		0.47	2.3		"	7	0	
691	1/5	0518 / 0526	WOOD-BONADIMAN	5.9	51.6	16.1	1.09	83.2		.6	10	-.02	FC19
692	1/10	0330 / 0342	" "	60.0	67.2	1.91	1.21	128.		.6	8	-.04	"
693	1/12	2252 / 2301	BONADIMAN-WOOD	60.0	176.	5.97	3.12	1050.		.6	9	0	"
694	1/14	1201 / 1217	WOOD	54.5	5.78	1.05	0.51	6.1		FLOATS	8	0	
695	1/17	1042 / 1046	ROY-BONADIMAN	33.0	3.19	1.22	0.46	3.9		"	6	0	
696	1/20	1656 / 1705	" "	60.0	76.5	2.25	1.34	172.		.6	10	-.12	FC19
697	1/24	1105 / 1120	SARASUA-ROY	60.0	38.1	1.04	0.80	39.7		.6	9	+.05	"
698	1/26	0358 / 0410	ROY-SARASUA	60.0	135.	4.31	2.34	582.		.6	10	-.21	"
699	1/27	1422 / 1434	BONADIMAN	60.0	54.5	1.72	1.05	93.6		.6	10	-.05	"
700	1/29	1325 / 1335	SARASUA-ROY	60.0	64.8	2.02	1.28	131.		.6	9	-.11	"
701	1/31	1025 / 1032	BONADIMAN	30.0	4.80	0.76	0.51	3.7		SURF.	6	0	"
702	2/7	1047 / 1050	MC BRIDE	10.0	0.45	0.85	0.40	0.38		FLOATS	3	0	
703	2/14	1026 / 1030	BONADIMAN		CHANNELS		0.45	4.7		"	6	0	
704	2/28	1346 / 1355	ROY-BONADIMAN	60.0	13.1	3.63	2.22	474.		.6	8	-.16	FC19
705	3/1	0917 / 0925	" "	59.5	40.4	1.18	0.87	48.1		.6	10	0	"
706	3/7	1030 / 1035	MC BRIDE		CHANNELS		0.41	0.51		FLOATS	6	0	
707	3/9	1709 / 1718	MC BRIDE - BONADIMAN	60.0	64.2	1.78	1.24	114.		.6	10	-.04	FC19
708	3/14	1020 / 1030	BROOK		CHANNELS		0.40	0.26		FLOATS	6	0	
709	3/16	0713 / 0723	WOOD-PASQUA	50.0	121.	3.95	2.10	478.		.6	10	-.20	FC57
710	3/21	1030	BOWMAN		CHANNELS		0.41	0.62		FLOATS	6	0	
711	3/28	1040 / 1046	BONADIMAN		"		0.42	1.3		"	6	0	
712	4/4	1026 / 1032	"		"		0.45	1.4		"	6	0	
713	4/11	1020 / 1026	"		"		0.43	1.3		"	6	0	
714	4/18	0016 / 0028	MC BRIDE - BONADIMAN	60.0	67.2	2.24	1.32	151.		.6	9	-.08	FC19
715	4/18	1048 / 1100	" "	60.0	101.	3.26	1.80	329.		.6	8	-.31	"
716	4/18	1213 / 1226	WOOD	60.0	56.0	1.77	1.12	99.		.6	9	-.09	FC57
717	4/20	1552 / 1602	MC BRIDE - BONADIMAN	60.0	59.9	1.94	1.19	116.		.6	9	-.02	FC19
718	4/25	1030 / 1040	BONADIMAN		CHANNELS		0.42	6.0		FLOATS	6	0	
719	5/2	1044 / 1050	"		"		0.42	2.2		"	6	0	
720	5/9	1007 / 1012	"		"		0.41	0.7		"	6	0	
721	5/11	1615 / 1620	BONADIMAN-WOOD	59.0	36.5	1.05	0.81	38.5		.6	8	-.06	FC19
722	5/16	1032 / 1037	BONADIMAN		CHANNELS		0.41	1.2		FLOATS	6	0	//
723	5/19	0906 / 0918	BONADIMAN	59.4	42.0	1.30	0.81	54.7		.6	9	-.02	FC19
724	5/23	1050 / 1100	FALCONE		CHANNELS		0.40	0.36		FLOATS	6	0	
725	5/29	1030 / 1034	BONADIMAN		"		0.41	1.1		"	2	0	
726	6/6	1034 / 1040	"		"		0.42	1.2		"	7	0	
727	6/13	1014 / 1020	"		"		0.43	1.2		"	6	0	
728	6/20	1046 / 1058	"		"		0.50	4.8		"	10	0	
729	6/27	1000 / 1010	"	55.5	8.36	0.43	0.48	3.6		"	7	0	
730	7/3	1012 / 1022	"		CHANNELS		0.42	0.82		"	8	0	
731	7/11	1057 / 1104	"	28.0	2.67	1.01	0.46	2.7		"	5	0	
732	7/18	1025 / 1030	"	58.0	15.0	0.28	0.52	4.3		"	5	0	
733	7/25	1014 / 1022	"	43.0	16.5	0.22	0.50	3.6		"	5	0	
734	8/1	1034 / 1042	"	50.0	9.60	0.31	0.46	3.0		FLOATS SUR.	5	0	
735	8/8	1012 / 1020	"		CHANNELS		0.43	1.4		"	6	0	
736	8/15	1010 / 1016	BONADIMAN-BLAKELY	50.0	11.2	0.22	0.47	2.5		FLOATS	5	0	
737	8/22	1020 / 1035	BONADIMAN	52.0	7.79	0.21	0.47	1.6		"	5	0	
738	8/29	1008 / 1020	"		CHANNELS		0.45	1.4		FLOATS	8	0	
739	9/5	1007 / 1014	WOOD	5.50	0.74	0.64	0.43	0.47		.5	7	0	FC57
740	9/12	1054 / 1103	"	6.50	1.29	0.85	0.46	1.1		.5	8	0	"
741	9/19	1310 / 1316	"	5.5	0.61	0.64	0.43	0.39		.5	6	0	"
742	9/26	1020 / 1026	BONADIMAN		CHANNELS		0.44	1.0		FLOATS SUR.	3	0	

74DT4M C4b 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F378-R

Daily discharge, in second-feet of COMPTON CREEK near Greenleaf Drive, for the year ending September 30, 19 56

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.7	1.1	71	0.6	3.7	1.9	7.8	1.9	0.8	0.7	0.8	1.0
2	0.6	1.1	4.5	0.5	2.6	2.3	1.0	2.3	0.8	0.7	0.8	1.0
3	0.6	1.2	1.2	0.6	1.6	2.6	0.6	2.3	0.5	1.0	0.8	0.5
4	0.6	1.2	35	1.2	1.1	1.2	0.7	2.3	0.7	1.0	0.8	0.7
5	0.6	1.2	3.7	3.0	0.7	1.0	0.7	1.6	1.2	1.1	0.5	1.2
6	0.6	1.1	3.0	1.6	0.5	1.1	0.8	1.2	1.2	1.0	0.7	2.6
7	0.7	0.8	1.6	1.2	0.7	1.1	0.8	1.1	1.2	1.1	1.2	3.0
8	0.8	2.3	0.7	1.1	0.7	1.2	0.7	3.0	1.2	0.8	2.3	2.3
9	0.7	1.2	0.7	1.1	0.4	1.2	0.6	50	1.1	0.8	1.9	1.1
10	0.8	1.6	0.8	1.2	0.5	1.1	1.0	1.9	1.1	1.6	1.6	2.3
11	1.6	1.6	3.0	1.2	0.4	0.8	65	1.6	0.7	1.9	1.1	1.2
12	1.6	1.2	0.8	1.2	0.2	0.6	280	1.1	1.2	2.6	0.6	2.3
13	1.6	1.0	1.2	1.2	0.5	1.0	109	1.1	1.9	1.6	0.7	2.3
14	1.6	309	1.6	1.1	0.6	0.8	2.6	1.2	1.1	1.1	1.0	1.9
15	1.9	1.2	1.6	0.8	0.7	0.8	1.6	2.6	1.1	0.8	0.8	1.9
16	1.0	1.1	1.6	0.7	0.6	1.0	1.1	3.0	1.0	1.1	1.2	0.8
17	1.0	13.0	1.2	1.0	0.6	1.1	1.1	3.4	0.7	1.6	1.9	3.0
18	1.1	1.2	0.8	1.1	0.5	0.7	0.8	2.3	0.5	1.6	1.1	3.7
19	0.8	1.2	0.8	1.2	0.2	0.7	0.7	1.6	1.1	1.9	0.7	3.7
20	0.8	1.1	1.9	1.6	0.2	0.7	1.1	1.1	1.1	1.6	0.7	3.4
21	0.8	103	1.9	1.2	1.0	1.0	0.7	1.1	1.0	1.2	1.6	3.7
22	0.8	1.2	2.3	1.1	0.8	0.8	0.4	1.2	1.0	2.3	3.0	1.9
23	0.6	1.0	12.0	6.7	47	0.7	0.2	1.0	1.0	2.6	4.8	1.1
24	0.4	0.7	3.0	1.9	9.0	1.0	0.6	0.8	0.6	3.4	7.1	1.6
25	0.7	1.1	2.9	794	1.2	0.6	0.8	1.0	0.4	2.3	6.4	3.7
26	0.8	0.6	3.4	2090	1.0	0.5	80	0.7	0.8	2.3	1.6	3.4
27	0.7	0.6	5.6	48	1.2	0.7	4.4	0.4	1.1	1.6	0.8	3.4
28	0.8	0.7	1.9	4.4	1.6	1.1	1.9	0.5	1.2	0.8	1.0	3.0
29	0.8	1.1	1.9	1.9	1.6	1.0	1.2	0.8	3.0	0.6	0.8	1.9
30	0.8	1.1	1.0	29		0.7	1.6	0.7	1.9	0.7	1.0	1.9
31	0.6		0.8	65		0.7		0.4		1.1	1.0	
	27.5	455.5	1995	30659	81.4	31.7	511.0	95.2	32.2	44.5	50.3	66.0
MEAN	0.89	15.2	6.44	98.9	2.84	1.02	17.0	3.07	1.07	1.44	1.62	2.20
ACRE-FEET	55.	903.	396.	6080.	163.	63.	1010.	189.	64.	88.	100.	131.

Remarks:

YEAR OR PERIOD MEAN 12.7
ACRE-FEET 9240.

74DT4M C4b 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

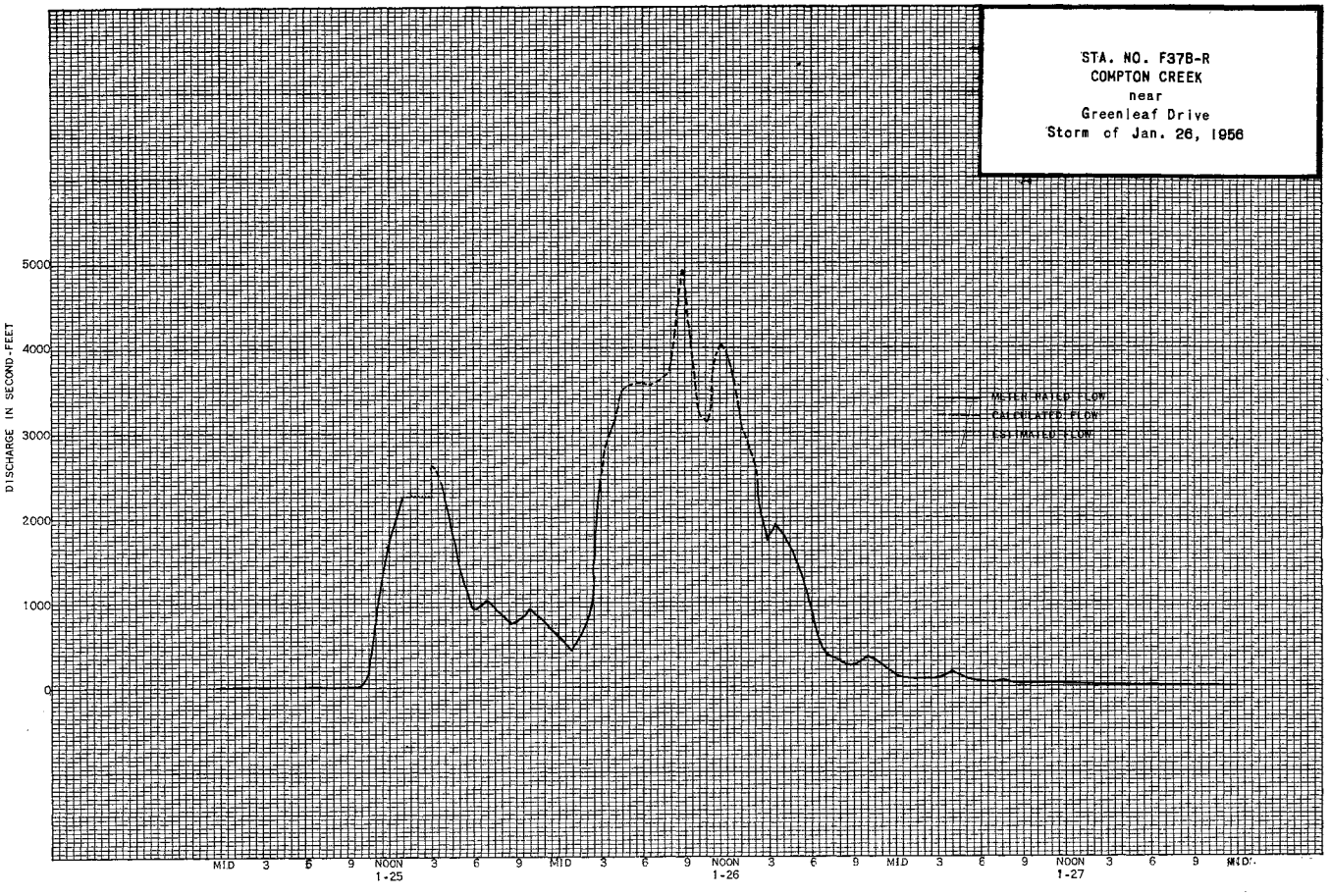
Sta. No. F378-R

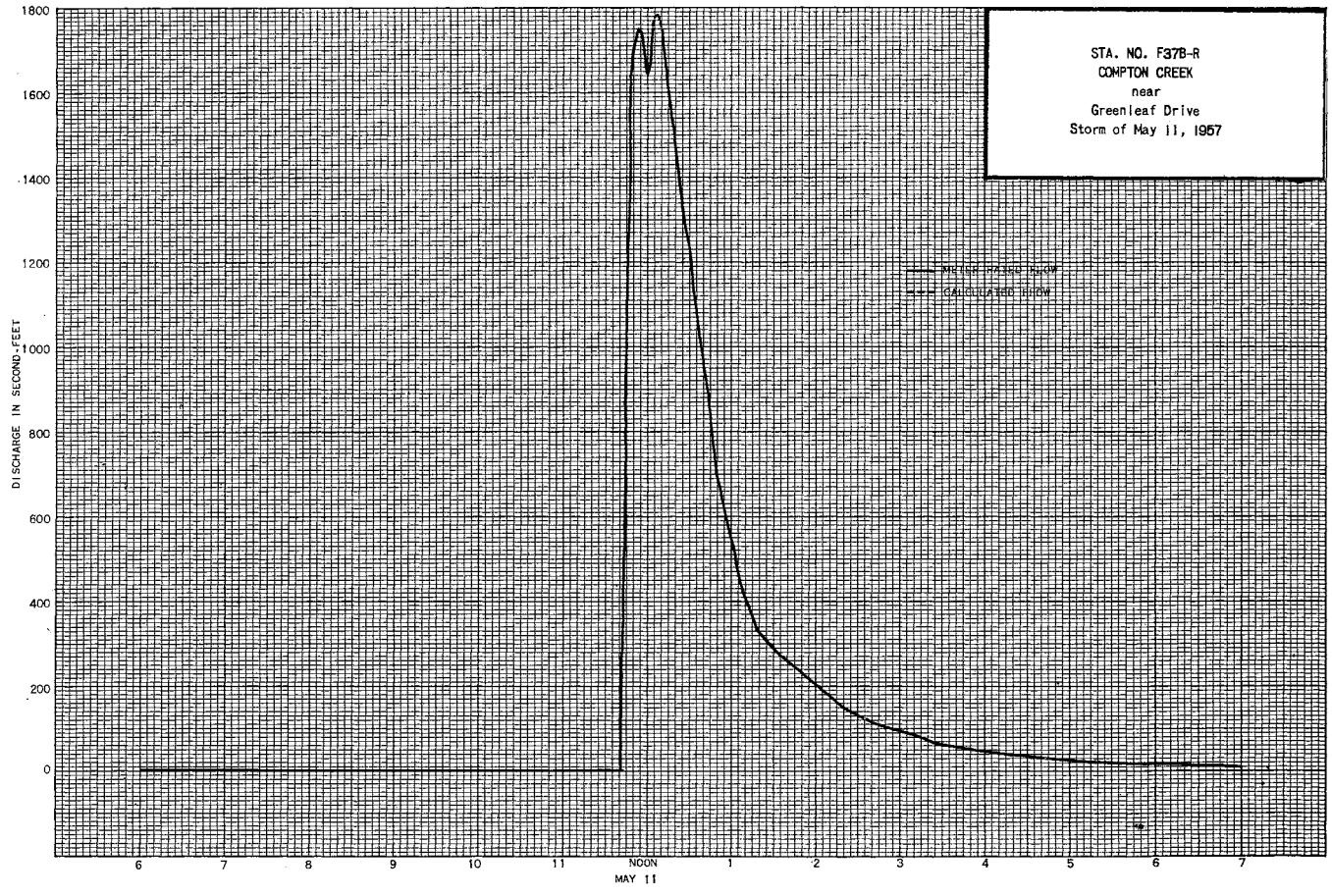
Daily discharge, in second-feet of COMPTON CREEK near Greenleaf Drive, for the year ending September 30, 19 57

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.1	0.8	0.8	1.2	1.6	34	0.6	3.0	1.1	0.5	3.7	0.7
2	1.9	1.1	0.7	1.2	1.1	0.8	0.7	2.6	1.1	1.0	4.1	0.4
3	3.4	0.8	0.8	2.6	0.7	0.2	1.2	2.6	1.1	1.2	3.4	0.2
4	8.4	1.6	1.1	3.0	0.6	0.2	1.1	1.9	3.7	1.0	1.9	0.5
5	4.1	1.0	87	45	0.6	1.0	0.8	1.6	2.3	1.6	1.1	0.6
6	2.3	1.2	4.8	1.0	0.7	0.4	0.7	1.1	1.9	3.0	1.6	0.6
7	1.6	1.6	1.1	2.6	0.5	6.8	0.5	0.7	1.6	3.0	1.2	0.8
8	1.6	1.2	+	1.6	0.6	1.9	0.5	0.6	1.1	3.0	1.2	0.6
9	1.9	1.6	+	1.1	0.6	24	0.6	0.4	0.8	3.4	2.3	0.5
10	2.6	1.1	+	2.0	0.7	0.8	0.7	0.4	1.1	3.7	2.3	1.2
11	1.9	0.8	0.5	1.2	1.0	0.5	0.7	94	1.1	3.0	1.6	0.8
12	1.9	1.0	1.1	77	1.9	0.5	0.6	1.6	1.9	3.4	0.8	1.2
13	1.2	1.2	2.3	286	1.6	0.5	1.0	1.1	1.2	2.3	2.3	3.4
14	1.1	1.2	1.1	4.1	1.6	0.2	1.0	1.0	2.3	1.6	2.6	0.8
15	1.1	1.6	1.0	3.7	1.1	0.5	0.7	1.6	1.6	1.6	3.0	0.2
16	1.9	1.2	1.0	4.4	1.2	64	1.0	1.6	1.2	3.7	3.7	0.2
17	1.9	0.8	0.4	3.0	1.1	1.6	32	1.6	3.0	3.0	3.7	0.8
18	1.9	1.0	0.7	2.3	1.0	1.2	52	1.6	4.4	2.6	2.6	a 0.5
19	1.6	1.0	0.6	1.9	0.8	9.9	1.9	30	4.4	1.2	2.6	0.4
20	1.2	1.1	0.6	52	0.6	1.1	104	1.9	4.8	1.2	1.6	0.6
21	1.1	1.1	0.5	4.8	0.4	0.5	12.1	15.6	6.4	1.0	3.0	0.5
22	1.0	0.8	0.5	3.7	0.7	0.1	7.1	1.1	4.8	0.7	2.3	0.6
23	1.1	0.4	0.1	12.3	115	0.4	7.1	0.4	2.6	1.1	3.0	0.4
24	1.1	0.7	0.1	16.6	0.7	0.7	7.1	0.6	2.3	1.9	1.0	0.8
25	1.0	0.6	0.2	3.4	0.4	1.0	6.4	0.5	4.4	4.1	0.8	3.4
26	1.1	0.7	+	87	0.6	1.1	5.6	0.6	4.4	3.0	0.8	1.2
27	1.0	1.1	0.5	27	0.7	1.1	4.4	0.6	4.4	1.6	2.6	0.8
28	0.7	1.6	0.6	5.6	97	1.2	3.7	1.2	3.7	1.6	3.0	1.0
29	0.8	1.1	0.8	101		1.2	3.7	1.1	3.0	0.8	1.2	0.8
30	1.1	1.0	0.8	2.3		1.2	3.4	1.2	2.6	2.6	1.0	0.6
31	1.1		1.0	1.9		1.0		1.0		4.1	1.1	
	55.7	32.0	110.7	780.5	235.1	159.6	262.9	174.8	80.3	67.5	67.1	25.1
MEAN	1.80	1.07	3.57	25.2	8.40	5.15	8.76	5.64	2.68	2.18	2.16	0.84
ACRE-FEET	110.	63.	220.	1550.	466.	317.	521.	347.	159.	134.	133.	50.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 5.62
ACRE-FEET 4070.


STA. NO. F37B-R
COMPTON CREEK
near
Greenleaf Drive
Storm of Jan. 26, 1956
DISCHARGE IN SECOND-FEET
5000
4000
3000
2000
1000
0
METER RATED FLOW
CALCULATED FLOW
ESTIMATED FLOW
MID 3 6 9 NOON 3 6 9 MID 3 6 9 NOON 3 6 9 MID 3 6 9 NOON 3 6 9 MID.
1-25
1-26
1-27


STA. NO. F37B-R
COMPTON CREEK
near
Greenleaf Drive
Storm of May 11, 1957
DISCHARGE IN SECOND-FEET
1800
1600
1400
1200
1000
800
600
400
200
0
METER RATED FLOW
CALCULATED FLOW
6 7 8 9 10 11 NOON 1 2 3 4 5 6 7
MAY 11

STATION F320-R
COYOTE 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 STATION F41R, 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: INSTALLED JANUARY 14, 1930 AT STATION F41-R, MOVED TO STATION F41B-R ON OCTOBER 30, 1936, REMOVED ON FEBRUARY 17, 1937. INSTALLED FEBRUARY 18, 1937, AT STATION F41C-R, REMOVED FEBRUARY 8, 1956. INSTALLED FEBRUARY 9, 1956 OVER A 24-INCH CORRUGATED IRON PIPE STILLING WELL ATTACHED TO NO. 3 PIER ON DOWNSTREAM SIDE OF BRIDGE. A STEVENS A-35 RECORDER IN SERVICE FROM FEBRUARY 9,1956 TO SEPTEMBER 30, 1957.

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, 1957.

EXTREMES OF DISCHARGE:

1955-56
MAXIMUM 3770 SECOND-FEET JANUARY 26.
MINIMUM PLUS FLOW AT VARIOUS TIMES.

1956-57
MAXIMUM 334 SECOND-FEET JANUARY 13.
MINIMUM PLUS FLOW AT VARIOUS TIMES.

1929-57
(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 Del Amo Street 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.
752	10/26	1540 / 1542	BONADIMAN	1.0	0.19	1.05	1.51	0.20		.5	3	0	FC19
753	11/3	1520	"	1.0	0.14	1.00	1.46	0.14	FLOATS		3	0	
754	11/10	1530 / 1532	"	1.0	0.21	1.14	1.53	0.24		.5	3	0	FC19
755	11/14	1130 / 1140	SADDORIS-BONADIMAN	40.0	148.	0.60	2.87	88.2		.6	9	-.04	"
756	11/15	0928 / 0938	BONADIMAN	8.5	5.28	0.38	1.48	2.0		.6	8	0	"
757	11/25	1400 / 1410	"	4.0	2.10	0.42	1.64	0.89		.6	7	0	"
758	12/2	1416 / 1420	"	4.0	1.00	0.46	1.55	0.46		.6	4	0	"
759	12/8	1510 / 1514	"	4.0	1.01	0.42	1.47	0.42		.5	4	0	"
760	12/15	1034	"	1.00	0.20	0.85	1.48	0.17		.5	3	0	"
761	12/29	1500 / 1508	"	4.0	1.10	0.72	1.55	0.79		.5	4	0	"
762	1/5	1540 / 1544	"	1.0	0.20	1.05	1.43	0.21		.5	3	0	"
763	1/19	1530	FALCONE-BONADIMAN	0.60	0.18	0.33	1.37	0.06		.5	3	0	"
764	1/26	0003 / 0012	BONADIMAN-FALCONE	48.7	166.	2.92	3.44	484.		.6	8	-.03	"
765	1/26	2125 / 2140	" "	80.0	665.	3.95	7.20	2630.		.6	8	-.20	"
766	1/27	1505 / 1525	SADDORIS	71.0	523.	1.06	3.17	552.		.6	9	-.06	"
767	1/29	1810 / 1820	BONADIMAN	40.0	13.5	1.84	1.15	24.8	FLOATS		4	0	

DISCHARGE MEASUREMENTS OF COYOTE CREEK

AT ~~NEAR~~ Centralia Street 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	1/31	1422 / 1437	FALCONE	50.0	26.8	2.43		65.2		.6	11		FC19
2	2/2	1550 / 1600	BONADIMAN	17.0	5.01	6.39		3.2		.6	6		"
3	2/9	1514 / 1522	"	6.0	1.64	0.54	5.12	0.89		.6	5	0	"
4	2/16	1510 / 1518	"	5.0	1.56	0.44	5.08	0.68		.6	4	0	"
5	2/24	0930 / 0935	SADDORIS-FALCONE	6.4	1.69	0.65	5.12	1.1		.5	8	0	FC23
6	3/1	1700 / 1708	SJOSTEDT	6.0	1.60	0.54	5.07	0.86		.5	7	0	FC19
7	3/8	1520 / 1526	BONADIMAN	5.0	1.36	0.38	5.02	0.51		.6	4	0	"
8	3/15	1454 / 1456	"	2.0	0.20	0.40	5.02	0.08		.6	3	0	"
9	3/22	1546 / 1548	"	1.5	0.30	0.60	5.01	0.18		.5	3	0	"
10	3/29	1550 / 1552	"	1.0	0.19	0.58	4.98	0.11		.5	3	0	"
11	4/5	1536 / 1538	"	2.0	0.40	0.70	5.04	0.28		.5	3	0	"
12	4/12	0925 / 0933	BONADIMAN-FALCONE	13.5	6.47	1.22	5.34	7.9		.6	7	-.01	"
13	4/13	1548 / 1556	" "	58.0	36.3	2.38	5.92	86.4		.6	8	0	"
14	4/14	0945 / 0953	" "	38.0	30.4	1.61	5.79	48.9		.6	9	-.02	"
15	4/19	1528 / 1530	BONADIMAN	2.0	0.40	0.58	5.09	0.23		.5	3	0	"
16	4/26	1746 / 1754	"	7.0	2.49	1.57	5.26	3.9		.6	6	0	"
17	4/27	1050 / 1055	BONADIMAN-FALCONE	11.0	6.40	1.08	5.38	6.9		.6	7	0	"
18	5/3	1530 / 1532	BONADIMAN	4.00	0.76	0.68	5.06	0.52		.5	3	0	"
19	5/9	1525 / 1530	BONADIMAN FALCONE	64.0	49.4	2.31	6.16	114.		.6	7	-.03	"
20	5/10	1544 / 1602	BONADIMAN	15.0	5.50	1.24	5.34	6.8		.6	6	0	"
21	5/17	1507 / 1509	"	2.0	0.40	0.50	5.09	0.20		.5	3	0	"
22	5/24	1528 / 1530	"	1.0	0.20	0.70	5.08	0.14		.6	3	0	"
23	5/31	1530 / 1533	"	2.0	0.40	0.35	5.10	0.14		.5	3	0	"
24	6/7	1500 / 1504	"	1.0	0.19	0.32	5.08	0.06		.5	3	0	"
25	6/14	1500 / 1504	"	1.0	0.18	0.39	5.09	0.07		.5	3	0	"
26	6/21	1550 / 1554	"	4.0	0.72	0.83	5.11	0.60		.5	3	0	"
27	6/28	1549 / 1551	WOOD	2.5	0.40	0.40	5.07	0.16		.5	3	0	"
28	7/5	1510 / 1514	BONADIMAN	2.5	0.50	0.76	5.10	0.38		.5	3	0	"
29	7/12	1530 / 1534	"	2.0	0.36	0.86	5.10	0.31		.5	3	0	"
30	7/19	1545 / 1555	SICKLER-FORSTER	2.0	0.32	0.38	5.03	0.12		.5	3	0	"
31	7-26	1540 / 1545	BONADIMAN	1.2	0.23	0.48	5.03	0.11		.5	3	0	"
32	8-2	1544	"	1.5	0.27	0.30	5.03	0.08		.5	3	0	"
33	8/9	1511 / 1513	ROY-BONADIMAN	2.5	0.48	0.54	5.02	0.26		.5	3	0	"

DISCHARGE MEASUREMENTS OF COYOTE CREEK

AT ~~NEAR~~ Centralia Street 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.	G. HT. CHANGE TOTAL	METER NO.
34	10/11	1446 / 1450	BONADIMAN	2.5	0.50	0.60	5.28	0.30		.6	3	0	FC19
35	10/18	1540 / 1542	"	1.0	0.20	0.50	5.27	0.10		.5	3	0	"
36	10/25	1536 / 1540	"	2.0	0.40	0.55	5.26	0.22		.5	3	0	"
37	11/1	1624 / 1630	"	4.0	0.60	0.70	5.27	0.42		.5	4	0	"
38	11/8	1520 / 1522	"	2.0	0.40	0.22	5.26	0.09		.5	3	0	"
39	1/6	1220 / 1230	"	9.0	2.52	0.79	5.48	2.0		.5	6	0	"
40	1/10	1140 / 1146	WOOD	5.0	2.39	0.75	5.40	1.8		.6	5	0	"
41	1/13	0754 / 0801	BONADIMAN-WOOD	100.0	138.	2.10	6.81	290.		.6	9	-.04	"
42	1/13	1358 / 1405	" "	75.0	103.	1.94	6.40	200.		.6	7	-.02	"
43	1/14	1656 / 1704	WOOD-BONADIMAN	14.5	8.42	1.10	5.02	9.3		.6	7	0	"
44	1/17	1537 / 1542	BONADIMAN	3.0	1.00	0.39	4.64	0.39		.5	5	0	"
45	1/20	2140 / 2146	ROY-BONADIMAN	23.0	19.0	1.45	5.38	27.6		.6	6	+.07	"
46	1/21	1528 / 1534	" "	15.0	7.72	0.76	5.02	5.9		.6	7	0	"
47	1/26	1020 / 1038	SARASUA-ROY		CHANNELS		5.85	77.2		.6	11	0	"
48	1/26	1438 / 1458	" "		"		5.80	70.0		.6	14	-.01	"
49	1/27	0932 / 0944	BONADIMAN	15.5	13.0	0.87	5.04	11.3		.6	10	0	"
50	1/29	1652 / 1658	SARASUA-ROY	17.0	14.2	0.90	5.15	12.8		.6	7	0	"
51	1/30	1226 / 1240	ROY-BONADIMAN	19.0	11.5	0.33	4.95	3.8		.5 .6	6	0	"
52	1/31	1550 / 1600	BONADIMAN	14.0	5.14	0.54	4.77	2.8		.6	6	0	"
53	2/7	1600 / 1610	MC BRIDE	3.0	0.58	0.45	4.59	0.26		.5	5	0	"
54	2/14	1506 / 1510	BONADIMAN	7.0	1.86	0.38	4.61	0.71		.6	4	0	"
55	2/21	1406 / 1410	"	1.5	0.30	0.87	4.56	0.26		.5	3	0	"
56	2/23	1127 / 1132	BONADIMAN-WOOD		CHANNELS		6.01	130.		.6	9	0	FC19
57	2/24	0920 / 0937	WOOD-BONADIMAN	15.0	9.68	1.54	5.22	14.9		.6	8	-.02	"
58	2/28	2040 / 2050	ROY-BONADIMAN	24.0	22.8	1.60	5.40	36.4		.6	7	0	"
59	3/1	1035 / 1042	" "	18.0	12.9	0.79	5.04	10.2		.6	6	0	"
60	3/2	1435 / 1445	FALCONE	14.0	10.6	0.40	4.76	4.2		.6	7	0	"
61	3/7	1417 / 1423	MC BRIDE - BONADIMAN	2.0	1.03	1.84	4.49	1.9		.6	4	0	"
62	3/14	1520 / 1536	BROOK	4.0	1.17	0.53	4.35	0.62		.5	9	0	"
63	3/21	1505 / 1510	BOWMAN	2.0	0.50	0.22	4.33	0.11		.5	3	0	"
64	3/28	1510 / 1514	BONADIMAN	3.0	0.54	0.48	4.28	0.26		.5	3	0	"
65	4/4	1500 / 1503	"	2.5	0.42	0.52	4.29	0.22		.5	3	0	"
66	4/11	1504 / 1506	"	2.5	0.50	0.40	4.28	0.20		.5	3	0	"
67	4/18	0655 / 0700	MC BRIDE - BONADIMAN	2.5	1.24	0.59	4.35	0.73		.6	3	0	"
68	4/21	1308 / 1316	BONADIMAN	22.0	16.8	1.06	5.06	17.8		.6	6	0	"
69	4/25	1510 / 1515	"	2.0	0.90	0.62	4.35	0.56		.6	3	0	"
70	5/2	1604 / 1612	"	5.0	2.59	0.77	4.45	2.0		.6	5	0	"
71	5/9	1434 / 1436	"	1.0	0.16	0.62	4.17	0.10		.5	3	0	FC46
72	5/13	1244 / 1254	BROOK-MC BRIDE	4.5	1.46	0.62	4.37	0.90		.5	6	0	FC26
73	5/16	1510 / 1520	BONADIMAN	7.0	2.54	1.18	4.56	3.0		.6	5	0	FC19
74	5/23	1600 / 1608	BONADIMAN-FALCONE	3.0	1.26	1.43	4.38	1.8		.5	5	0	"
75	5/29	1510 / 1515	BONADIMAN	3.0	1.05	0.67	4.29	0.7		.6	3	0	"
76	6/6	1520 / 1524	"	1.2	0.24	0.92	4.28	0.22		.6	3	0	"
77	6/13	1524 / 1530	"	2.0	0.73	0.55	4.33	0.40		.6	3	0	"
78	6/27	1540 / 1550	BONADIMAN	4.0	1.53	1.24	4.61	1.9		.6	6	0	"
79	7/3	1500 / 1504	"	4.0	1.20	0.34	4.35	0.40		.6	3	0	"
80	7/18	1434 / 1440	BONADIMAN	2.0	0.42	0.36	4.24	0.15		.6	3	0	"
81	7/25	1526 / 1530	"	2.0	0.80	0.46	4.27	0.37		.6	3	0	"
82	8/1	1540 / 1544	"	2.0	0.36	0.50	4.27	0.18		.6	3	0	"
83	8/8	1434 / 1438	"	1.0	0.21	0.57	4.12	0.12		.6	3	0	"
84	8/15	1553 / 1557	BONADIMAN-BLAKELY	1.5	0.45	0.93	4.27	0.15		.6	3	0	"
85	8/22	1515 / 1518	BONADIMAN	1.0	0.18	0.22	4.24	0.04		.5	3	0	"
86	8/29	1530 / 1532	"	1.5	0.27	0.45	4.25	0.12		.5	3	0	"
87	9/12	1545 / 1547	WOOD	3.0	0.45	0.58	4.03	0.26		.5	3	0	"

TSD74M Cib 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F41C-R

Daily discharge, in second-feet of COYOTE CREEK at Del Amo Street, for the year ending September 30, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	0.1	0.2	0.4	a 19							
2		0.2	0.3	0.4	4.2							
3		0.1	0.2	0.4	3.0							
4	a	0.1	0.3	0.7	2.7							
5	a	0.1	0.4	0.5	2.2							
6	a	0.1	0.2	0.1	2.0							
7		0.1	0.3	0.1	1.5							
8		0.1	0.1	0.1	a 1.2							
9		0.1	0.1	0.1								
10	+	0.2	0.1	0.1								
11	0.1	0.3	0.1	0.1	STATION DISCONTINUED - SEE F320-R							
12	0.2	0.3	0.1	0.1								
13	0.1	0.2	0.1	0.1								
14	0.1	14	0.1	0.1								
15	0.1	1.7	0.2	0.1								
16	0.2	1.0	0.1	0.1								
17	0.1	0.8	0.1	0.1								
18	0.1	0.7	0.2	0.1								
19	0.1	0.5	0.2	0.1								
20	0.1	0.5	0.2	0.1								
21	0.1	0.5	0.2	0.1								
22	0.1	0.4	0.3	0.1								
23	0.1	2.9	0.3	0.1								
24	0.1	1.5	0.3	0.1								
25	0.1	0.8	0.3	150								
26	0.1	0.5	0.5	2080								
27	0.1	0.5	0.3	864								
28	0.1	0.3	0.4	72								
29	0.1	0.3	0.5	26								
30	0.1	0.3	0.4	a 15								
31	0.1		0.4	a 42								
	2.3	29.2	7.5	32533								
MEAN	0.07	0.97	0.24	105.								
ACRE-FEET	4.6	58.	15.	6450.								

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN _____
ACRE-FEET _____

TSD74M 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, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1						0.7	0.4	a 0.4	0.2	0.4	0.1	+
2						0.7	6.6	a 0.5	0.4	0.2	0.1	+
3						0.7	0.5	a 0.6	0.3	0.2	0.2	0
4						0.6	0.4	0.7	0.1	0.2	0.1	0
5						0.6	0.4	0.7	0.1	0.5	0.1	+
6						0.5	0.6	0.5	0.1	0.3	0.1	e
7						0.7	0.6	0.4	0.1	0.2	0.2	
8						0.6	0.4	0.4	0.1	0.1	0.2	
9					0.8	0.4	0.4	38	0.1	0.1	0.2	
10					0.7	0.4	0.6	9.5	0.1	0.2	0.2	
11					0.6	0.4	0.3	2.8	0.1	0.1	0.1	
12					0.6	0.2	26	1.2	0.1	0.2	0.1	
13					0.7	0.2	127	0.5	0.1	0.2	+	
14					1.0	0.2	49	0.2	0.1	0.3	+	
15					1.2	0.1	8.8	0.2	0.1	0.3	+	
16					0.7	0.1	2.8	0.3	0.1	0.4	e 0	
17					0.5	0.1	1.0	0.3	0.1	0.7	+	
18					0.6	0.1	0.6	0.1	0.4	0.2	+	
19					0.7	0.1	0.3	0.2	0.7	0.2	+	
20					0.7	0.1	0.2	0.4	0.7	0.2	0.1	e +
21					0.6	0.2	0.3	0.2	0.7	0.3	0.1	0.1
22					0.6	0.2	0.3	0.5	0.4	0.2	0.1	+
23					1.4	0.2	0.4	0.2	0.7	0.2	e 0.1	
24					2.6	0.2	0.4	0.2	0.5	0.2	0.3	
25					1.8	0.3	0.4	0.2	0.3	0.1	0.4	
26					0.7	0.2	f 2.1	0.2	0.3	0.1	0.2	+
27					0.6	0.2	a 5.4	0.2	0.4	0.1	0.2	e 0
28					0.6	0.2	e 0.4	0.2	0.2	0.2	0.2	0
29					0.6	0.2	e 0.4	0.4	0.2	0.1	0.1	0
30						0.2	e 0.3	0.2	0.6	0.1	e 0.1	+
31		FROM STATION F41C-R				0.1		0.2		0.1	0.1	
	2.3	29.2	7.5	32533	541	9.7	2373	60.6	8.4	6.9	3.7	0.1
MEAN	0.07	0.97	0.24	105.	1.87	0.31	7.91	1.95	0.28	0.22	0.12	+
ACRE-FEET	4.6	58.	15.	6450.	107.	19.	471.	120.	17.	14.	7.0	0.2

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 9.91
ACRE-FEET 7280.

FORM Clb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

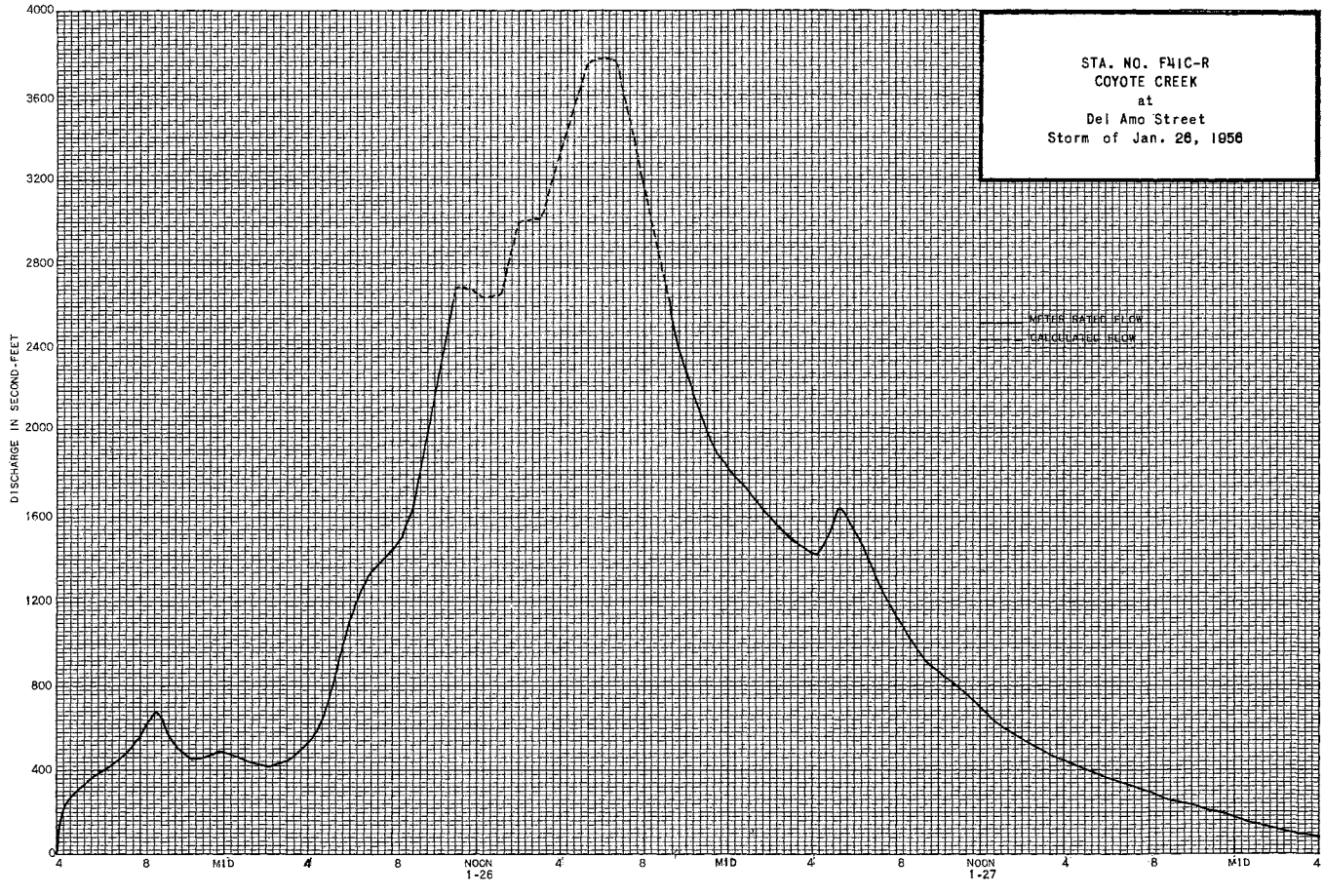
Sta. No. F320-R

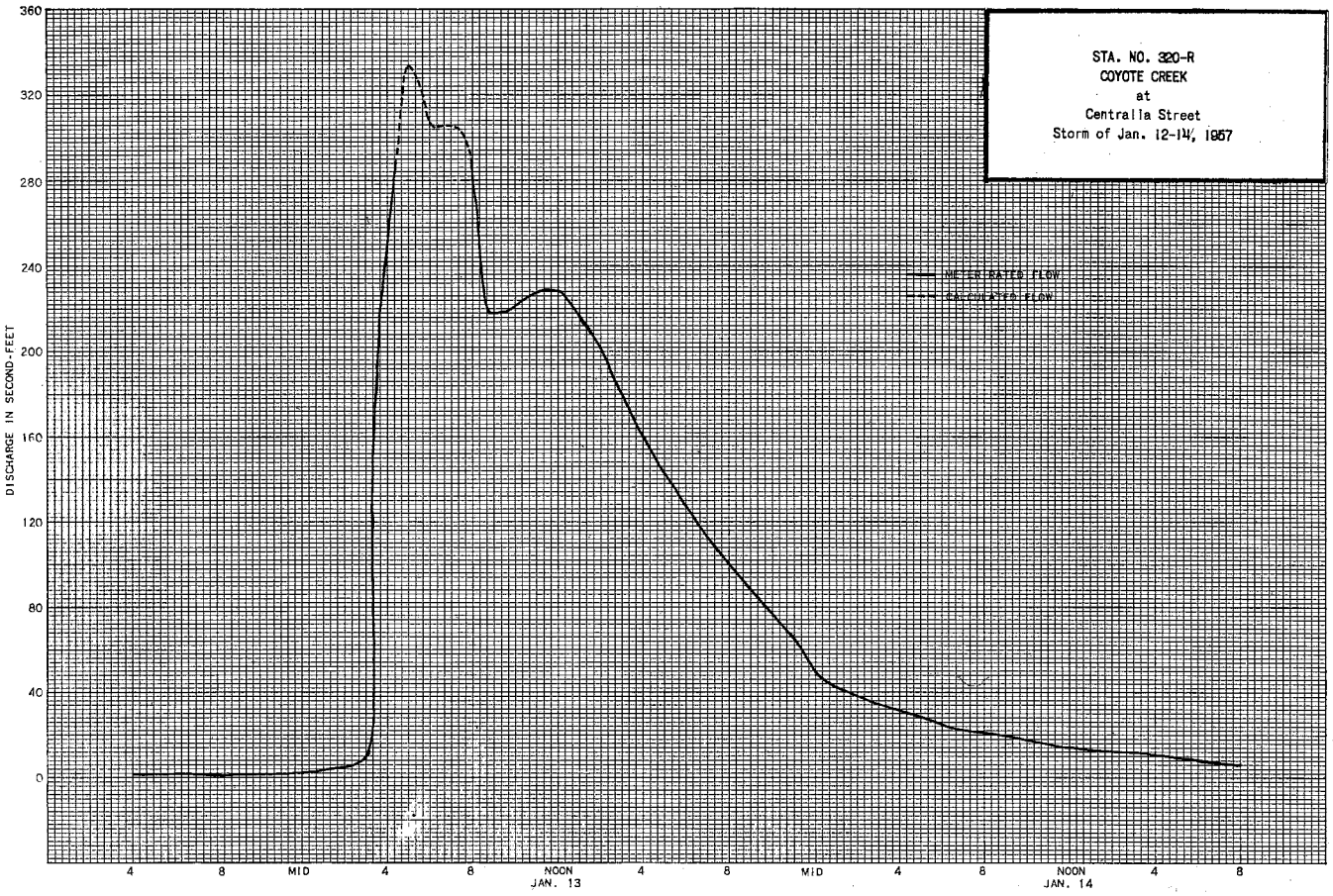
Daily discharge, in second-feet of COYOTE CREEK at Centralia Road, for the year ending September 30, 1957

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	0.4	+	0.2	0.6	14	0.1	0.2	0.3	17	0.1	0.1
2		0.3		0.2	0.5	6.8	0.2	1.3	0.3	1.8	0.1	+
3		0.2		0.2	0.4	1.9	0.2	0.6	0.2	0.4	0.1	
4		0.2		0.3	0.3	b 1.9	0.3	0.9	0.2	+		
5	+	0.2		1.6	b 0.3	1.9	0.2	0.9	0.2	0.2	0.1	
6	2.4	0.1		a 2.8	b 0.3	1.9	0.2	0.5	0.2	0.2	0.1	+
7	0.3	0.1	+	0.2	0.3	b 1.9	0.2	0.2	0.2	0.2	0.1	0.1
8	0.2	0.1	0.1	0.2	0.3	1.8	0.2	0.1	0.2	0.2	0.1	0.1
9	0.3	0.1	0.1	0.2	0.3	1.2	0.2	0.1	0.2	0.2	0.1	0.1
10	0.2	0.1	a 0.1	a 4.0	0.3	7.9	0.2	0.1	0.2	0.2	0.1	0.1
11	0.3	0.1	0.1	3.2	0.5	2.4	0.2	0.2	0.3	0.2	0.1	0.1
12	0.2	0.1	0.1	1.0	0.5	1.0	0.2	2.0	0.4	0.2	0.1	+
13	0.2	0.1	a 0.1	1.63	0.6	1.2	0.2	1.4	0.4	0.2	0.1	0.1
14	0.2	0.1	0.1	1.8	0.6	0.7	0.2	0.3	0.2	0.2	0.1	0.1
15	0.1	0.1	0.1	1.0	0.6	0.6	0.1	0.2	0.2	0.2	0.1	0.1
16	0.2	0.1	0.1	0.5	0.6	16	0.1	1.2	0.2	0.2	+	+
17	0.1	0.1	0.1	0.4	0.5	8.4	0.1	0.4	0.2	0.2		0.1
18	0.1	0.1	0.1	0.3	0.4	1.2	2.4	1.2	0.2	0.1		+
19	0.1	0.1	0.1	0.3	0.3	0.3	4.2	1.1	0.2	0.2		+
20	0.1	0.1	0.1	3.4	0.3	0.2	0.6	7.8	0.2	0.2		+
21	0.1	0.1	0.1	9.4	0.3	0.1	26	7.4	0.2	0.2		0.1
22	0.1	0.1	0.1	0.6	0.3	0.1	4.2	11	0.3	0.2		0.2
23	0.2	0.1	0.2	0.3	5.7	0.1	0.5	2.4	0.3	0.2		0.1
24	0.2	+	0.2	0.5	1.6	0.1	0.5	3.2	0.3	0.2		+
25	0.2		0.2	0.9	1.6	0.2	0.7	2.4	0.4	0.3		+
26	0.2		0.1	39	0.5	0.2	0.5	1.6	1.1	0.3	+	+
27	0.3		0.2	11	0.2	0.3	0.4	1.2	1.7	0.2	0.1	0.1
28	0.3		0.2	6.8	5.8	0.3	1.0	1.1	2.4	0.2	+	0.1
29	0.2		0.2	11		0.3	0.6	0.7	0.5	0.2		+
30	0.3	+	0.2	4.8		0.3	0.2	0.6	0.3	0.1		+
31	0.3		0.2	2.4		0.2		0.4		0.1	+	
	7.4	3.1	3.2	287.7	90.2	75.5	44.9	52.7	12.2	24.7	1.5	1.6
MEAN	0.23	0.10	0.10	9.28	3.22	2.45	1.50	1.20	0.41	0.80	0.05	0.05
ACRE-FEET	15.	6.1	6.3	570.	179.	150.	89.	105.	24.	49.	3.0	3.2

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 1.66
ACRE-FEET 1200.





STATION F21C-R
DOMINGUEZ CHANNEL at Harbor Boulevard

LOCATION: WATER-STAGE RECORDER. LAT. 33°51'21". LONG. 118°16'40". 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, 1957.

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 BOULEVARD 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: INSTALLED NOVEMBER 23, 1938 OVER AN 18-INCH DIAMETER CORRUGATED IRON PIPE STILLING WELL. AN H.C.F. RECORDER WAS IN SERVICE FROM OCTOBER 1, 1955 TO SEPTEMBER 30, 1956.

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

DIVERSIONS: NONE.

RECORDS AVAILABLE: NOVEMBER 23, 1938 TO SEPTEMBER 30, 1957. FOR PREVIOUS RECORDS SEE EARLIER REPORTS ON STATION F46-R NIGGER SLOUGH AT WILMINGTON AVENUE.

EXTREMES OF DISCHARGE:
1955-56
MAXIMUM 1720 SECOND-FEET JANUARY 26, 27.
MINIMUM 4.3 SECOND-FEET MAY 3.
1956-57
MAXIMUM 376 SECOND-FEET JANUARY 13.
MINIMUM 5.4 SECOND-FEET JULY 6.
1938-57
MAXIMUM 1720 SECOND-FEET JANUARY 26, 27, 1956.
MINIMUM NO MEASURABLE FLOW. WATER PONDED AT GAGE.

ACCURACY: GOOD.

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, 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.
789	10/6	1115 / 1124	BONADIMAN	16.0	9.9	1.21	6.05	12.0		.6	6	0	FC19
790	10/13	1124 / 1134	"	19.0	10.5	1.19	6.08	12.5		.6	7	0	"
791	10/20	1120 / 1132	"	17.0	8.41	1.33	6.04	11.2		.6	9	0	"
792	10/27	1210 / 1222	"	17.0	9.59	0.95	6.06	9.1		.6	10	0	"
793	11/3	1134 / 1144	"	16.0	9.43	1.04	6.06	9.8		.6	7	0	"
794	11/10	1140 / 1152	"	17.5	9.47	1.14	6.06	10.8		.6	9	0	"
795	11/15	1150 / 1200	SADDORIS-BONADIMAN	32.2	60.7	0.83	6.66	50.2		.6	8	0	"
796	11/17	1122 / 1134	BONADIMAN	22.0	17.6	1.26	6.45	22.2		.6	9	+.02	"
797	11/25	1054 / 1104	"	22.0	9.84	1.49	6.23	14.7		.6	8	0	"
798	12/1	1122 / 1132	"	20.0	8.01	1.21	6.09	9.7		.6	8	0	"
799	12/8	1135 / 1145	"	21.0	11.3	1.59	6.26	18.0		.6	7	0	"
800	12/15	1054 / 1106	"	15.5	6.93	1.46	6.04	10.1		.6	7	0	"
801	12/22	1046 / 1056	"	19.0	7.49	1.39	6.04	10.4		.6	8	0	"
802	12/29	1130 / 1142	"	22.0	15.6	1.29	6.37	20.2		.6	10	0	"
803	1/5	1142 / 1155	"	18.0	7.20	1.19	6.05	8.6		.6	8	0	"
804	1/12	1052 / 1102	"	21.0	7.83	1.38	6.04	10.8		.6	8	0	"
805	1/19	1130 / 1145	FALCONE-BONADIMAN	21.0	8.36	1.14	6.04	9.5		.6	8	0	"
806	1/26	0150 / 0200	BONADIMAN-FALCONE	33.1	170.	2.95	10.37	502.		.6	11	+.06	"
807	1/26	1420 / 1430	" "	33.1	259.	5.37	14.3	1390.		.6	9	0	"
808	1/28	1256 / 1304	SADDORIS	33.1	285.	4.28	13.12	1220.		.6	7	-.05	FC40
809	1/29	1338 / 1350	BONADIMAN-FALCONE	33.1	215.	4.09	11.49	879.		.6	9	-.02	FC19
810	1/31	1750 / 1802	BONADIMAN	33.1	142.	2.63	9.24	373.		.6	9	0	"
811	2/2	1052 / 1112	BONADIMAN-LINDSAY	33.1	85.0	1.35	7.52	115.		.6	13	-.01	"
812	2/9	1115 / 1128	BONADIMAN	25.0	13.6	1.20	6.11	16.3		.6	10	0	"
813	2/16	1112 / 1124	BONADIMAN	20.0	9.35	1.33	6.02	12.4		.6	8	0	FC19
814	2/24	1317 / 1329	SADDORIS-FALCONE	25.0	22.1	1.56	6.63	34.4		.6	13	0	FC23
815	3/1	1312 / 1337	SJOSTEDT-BONADIMAN	19.0	8.98	1.25	5.99	11.2		.6	12	0	FC19
816	3/8	1120 / 1132	BONADIMAN	19.0	9.63	1.16	5.97	11.2		.6	10	0	"
817	3/15	1140 / 1150	"	16.5	7.51	1.05	5.90	7.9		.6	7	0	"
818	3/22	1140 / 1150	"	17.0	9.45	0.98	5.99	9.3		.6	7	0	"
819	3/29	1210 / 1220	"	19.0	9.58	1.12	6.00	10.7		.6	7	0	"
820	4/5	1136 / 1146	"	19.0	9.95	1.01	5.94	10.0		.6	8	0	"
821	4/13	1110 / 1122	BONADIMAN-FALCONE	33.1	136.	1.45	8.50	197.		.6	10	0	"
822	4/13	1745 / 1755	" "	38.0	130.	1.86	8.60	242.		.6	10	.01	"
823	4/14	1325 / 1340	BONADIMAN-FALCONE	33.1	108.	1.52	7.96	164.		.6	12	0	FC19
824	4/19	1142 / 1156	BONADIMAN	20.5	9.90	1.49	6.08	14.8		.6	11	0	"
825	4/26	1643 / 1648	BONADIMAN-FALCONE	19.0	9.37	1.20	6.04	11.2		.6	7	0	"
826	4/27	1404 / 1510	" "	24.6	20.4	1.68	6.51	34.3		.6	9	0	"
827	5/3	1130 / 1142	BONADIMAN	19.0	9.15	1.14	5.95	10.4		.6	8	0	"
828	5/10	1152 / 1205	"	31.3	61.6	0.77	6.57	47.2		.6	10	0	"
829	5/17	1132 / 1144	"	19.5	11.4	1.19	5.99	13.6		.6	9	0	"
830	5/24	1134 / 1146	"	19.0	8.78	1.17	5.93	10.3		.6	9	0	"
831	5/31	1125 / 1140	"	19.0	9.70	1.14	5.95	11.1		.6	9	0	"
832	6/7	1110 / 1122	"	19.0	10.4	0.96	5.95	10.0		.6	8	0	"
833	6/14	1058 / 1112	"	20.0	10.8	1.09	5.98	11.8		.6	10	0	FC2
834	6/21	1126 / 1138	"	18.0	10.3	0.94	5.99	9.7		.6	8	0	FC19
835	6/28	1148 / 1208	WOOD	20.5	11.4	1.13	5.99	12.9		.6	12	0	"
836	7/5	1054 / 1106	BONADIMAN	20.0	11.1	0.96	5.96	10.7		.6	9	0	"
837	7/12	1130 / 1140	"	19.5	10.6	0.98	5.96	10.4		.6	8	0	"
838	7/19	1145 / 1200	SICKLER-FORSTER	19.0	10.5	1.07	5.97	11.2		.6	7	0	"
839	7/26	1104 / 1114	BONADIMAN	19.0	10.3	0.94	5.91	9.7		.6	8	0	"
840	8/2	1150 / 1158	"	19.0	9.06	0.71	5.82	6.4		.6	6	0	"
841	8/9	1114 / 1152	ROY-BONADIMAN	19.6	11.4	0.86	5.91	9.8		.6	17	0	"
842	8/16	1102 / 1112	BONADIMAN	19.5	10.2	0.85	5.97	8.7		.6	8	0	"
843	8/23	1118 / 1122	"	20.0	10.6	0.92	5.99	9.8		.6	8	0	"
844	8/30	1140 / 1152	WOOD-BONADIMAN	19.0	11.6	0.92	5.98	10.7		.6	10	0	FC57
845	9/6	1220 / 1243	WOOD	20.0	13.4	0.95	6.04	12.7		.6	12	0	"
846	9/13	1106 / 1128	"	19.0	13.4	0.92	6.06	12.3		.6	11	0	"
847	9/20	1229 / 1246	"	19.9	13.5	0.95	6.07	13.4		.6	11	0	"
848	9/27	1052 / 1102	BONADIMAN	20.0	12.1	0.85	5.96	10.3		.6	8	0	FC19

DISCHARGE MEASUREMENTS OF DOMINGUEZ CHANNEL

AT ~~NEAR~~ Carson Boulevard 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.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
~~849~~	10/4	1410 / 1420	BONADIMAN	18.0	9.87	0.81	5.97	7.9		.6	7	0	FC19
850	10/11	1100 / 1110	"	19.0	9.89	0.90	6.02	8.9		.6	8	0	"
851	10/18	1100 / 1112	"	19.0	10.7	0.74	5.94	8.0		.6	9	0	"
852	10/25	1120 / 1132	"	19.5	12.5	0.96	6.01	12.0		.6	10	0	"
853	11/1	1155 / 1215	THOMPSON-BONADIMAN	19.0	8.49	0.90	5.98	7.7		.6	10	0	"
854	11/8	1104 / 1116	BONADIMAN	19.5	12.7	0.79	6.00	9.9		.6	9	0	"
855	11/15	1104 / 1116	"	21.0	11.9	0.87	6.00	9.6		.6	9	0	"
856	11/23	1102 / 1112	"	17.5	7.29	0.96	5.99	7.0		.6	8	0	"
857	11/29	1105 / 1118	"	21.0	12.7	0.73	6.04	9.3		.6	9	0	"
858	12/6	1300 / 1312	WOOD-BONADIMAN	19.5	12.6	0.64	6.03	8.1		.6	9	0	"
859	12/13	1152 / 1204	BONADIMAN	16.5	6.80	0.97	6.09	6.6		.6	8	0	"
860	12/20	1110 / 1118	BONADIMAN-STUNDEN	19.5	12.0	0.83	6.03	10.0		.6	10	0	"
861	12/27	1104 / 1114	BONADIMAN	17.8	7.62	1.00	6.04	7.6		.6	9	0	"
862	1/3	1120 / 1134	"	21.5	8.79	0.97	6.03	8.5		.6	9	0	"
863	1/6	0934 / 0946	"	21.0	12.6	0.98	6.21	12.4		.6	7	0	"
864	1/10	1306 / 1316	WOOD-BONADIMAN	20.0	16.9	1.01	6.24	17.1		.6	9	0	"
865	1/13	1210 / 1224	BONADIMAN	33.1	90.0	1.17	7.50	105.		.6	10	+.07	"
866	1/14	1310 / 1331	WOOD	33.6	118.	1.70	8.40	200.		.6	10	-.04	"
867	1/17	1136 / 1158	ROY-BONADIMAN	20.5	20.2	1.30	6.46	26.2		.6	12	0	"
868	1/21	1120 / 1135	" "	22.5	21.0	1.27	6.44	26.7		.6	10	0	"
869	1/25	1116 / 1128	" "	23.3	21.0	1.11	6.49	23.4		.6	9	0	"
870	1/27	1150 / 1206	BONADIMAN	33.1	80.2	0.97	7.14	78.1		.6	11	0	"
871	1/30	1451 / 1506	ROY-BONADIMAN	33.1	114.	1.47	8.21	167.		.6	11	-.02	"
872	1/31	1115 / 1128	BONADIMAN	33.1	79.8	1.02	7.32	81.3		.6	10	-.02	"
873	2/7	1150 / 1204	MC BRIDE - BONADIMAN	17.8	8.21	1.22	6.03	10.0		.6	9	0	"
874	2/14	1104 / 1114	BONADIMAN	18.0	7.7	0.95	6.01	7.3		.6	7	0	"
875	2/21	1026 / 1036	"	15.7	7.11	1.01	6.00	7.2		.6	8	0	"
876	2/23	1538 / 1553	BONADIMAN-WOOD	33.1	66.2	0.66	6.76	43.7		.6	8	+.01	"
877	2/24	1333 / 1347	" "	33.1	86.6	1.13	7.43	97.9		.6	11	0	"
878	2/28	1132 / 1142	BONADIMAN	15.7	8.80	1.16	6.17	10.2		.6	7	0	"
~~879~~	3/1	1310 / 1320	BONADIMAN-ROY	33.1	118.	1.36	7.85	161.		.6	10	+.02	"
880	3/2	1035 / 1050	FALCONE	33.1	115.	1.47	7.80	169.		.6	11	-.02	"
881	3/7	1130 / 1150	MC BRIDE	19.0	10.8	1.33	6.11	14.4		.6	10	0	"
882	3/14	1125 / 1135	BROOK-BONADIMAN	18.8	8.96	1.19	6.03	10.7		.6	8	0	"
883	3/17	1054 / 1104	BONADIMAN-WOOD	32.2	64.6	0.81	6.79	52.2		.6	9	+.02	"
884	3/21	1108 / 1120	BOWMAN-BONADIMAN	20.5	16.4	1.42	6.35	23.3		.6	8	0	"
885	3/28	1126 / 1138	BONADIMAN	16.1	7.84	0.99	5.98	7.7		.6	8	0	"
886	4/4	1112 / 1124	"	18.3	8.29	1.13	5.95	9.4		.6	9	0	"
887	4/11	1110 / 1122	"	17.4	8.16	1.00	5.99	8.2		.6	9	0	"
888	4/18	1355 / 1410	MC BRIDE - BONADIMAN	18.5	10.1	1.15	6.10	11.6		.6	10	0	"
889	4/19	1147 / 1226	WOOD	30.4	57.8	0.74	6.47	42.6		.6	11	+.02	FC57
890	4/20	2225 / 2334	MC BRIDE - BONADIMAN	33.0	76.1	0.93	6.93	70.7		.6	9	-.01	FC19
891	4/21	1056 / 1112	BONADIMAN	33.0	83.6	0.92	7.35	76.7		.6	11	+.02	"
892	4/25	1110 / 1122	"	20.5	15.1	1.31	6.24	19.8		.6	9	0	"
893	5/2	1120 / 1130	"	19.5	9.28	0.90	5.95	8.3		.6	9	0	"
894	5/9	1050 / 1100	"	16.5	7.53	1.00	5.94	7.5		.6	8	0	FC46
895	5/16	1104 / 1114	"	21.0	10.2	1.08	6.02	11.0		.6	8	0	FC19
896	5/23	1202 / 1214	FALCONE	24.5	15.6	1.05	6.18	16.3		.6	8	0	"
897	5/29	1100 / 1112	BONADIMAN	20.5	11.0	0.96	6.02	10.5		.6	9	0	"
898	6/6	1115 / 1128	"	21.0	9.43	1.04	5.99	9.8		.6	9	0	"
899	6/13	1050 / 1102	"	20.0	10.5	1.04	6.03	10.9		.6	8	0	"
900	6/20	1135 / 1150	"	20.5	10.1	1.02	6.03	10.3		.6	8	0	"
901	6/27	1052 / 1102	"	21.0	10.1	0.97	6.01	9.8		.6	8	0	"
902	7/3	1054 / 1104	"	21.0	10.7	0.73	6.02	7.8		.6	9	0	"
903	7/11	1134 / 1144	"	18.5	9.30	0.75	6.02	7.0		.6	7	0	"
904	7/18	1112 / 1122	"	21.0	9.99	0.75	5.98	7.5		.6	8	0	"
905	7/25	1100 / 1112	"	18.3	9.66	0.76	6.01	7.4		.6	8	0	"
906	8/1	1120 / 1132	"	18.7	9.22	0.84	5.99	7.7		.6	8	0	"
907	8/8	1042 / 1050	"	20.5	12.0	0.83	6.11	10.0		.6	9	0	"
908	8/15	1102 / 1114	BONADIMAN-BLAKELY	17.7	12.5	0.76	6.09	9.6		.6	9	0	"
909	8/22	1055 / 1105	BONADIMAN	20.5	13.0	0.81	6.07	10.6		.6	8	0	"
910	8/29	1055 / 1110	"	21.0	13.1	0.79	6.11	10.3		.6	9	0	"
911	9/5	1121 / 1133	WOOD	20.0	12.7	0.91	6.09	11.5		.6	10	0	FC57
912	9/12	1150 / 1202	"	20.0	13.3	0.83	6.12	11.0		.6	11	0	"
913	9/19	1109 / 1125	"	20.0	12.5	0.73	6.06	9.1		.6	12	0	"
~~914~~	9/26	1110 / 1124	BONADIMAN	21.2	10.2	0.76	6.08	7.8		.6	9	0	FC19

74DT6M Gb 12-53

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, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	12	9.6	10	11	237	11	11	6.3	9.3	13	9.3	12
2	12	10	10	9.6	118	10	10	5.8	10	12	9.0	12
3	10	10	13	9.3	66	10	11	4.3	10	12	9.0	12
4	12	9.3	15	9.3	43	11	9.6	12	11	12	10	12
5	12	9.6	20	8.9	32	9.3	10	12	12	11	9.0	12
6	12	10	28	8.6	26	7.0	11	11	11	11	10	12
7	12	10	23	8.9	22	7.0	11	12	11	12	13	12
8	12	10	18	9.3	20	9.6	11	12	11	11	13	12
9	12	9.6	15	9.3	17	7.3	11	16	12	12	11	13
10	12	10	13	10	16	12	11	42	11	12	10	13
11	13	11	11	10	16	12	12	48	12	11	10	13
12	14	10	11	11	16	12	32	30	12	11	9.3	12
13	13	10	11	11	14	11	193	20	11	11	10	12
14	13	16	10	11	14	11	176	16	13	11	9.6	11
15	13	43	9.3	11	13	9.0	87	13	13	11	8.3	12
16	13	36	9.3	10	13	11	42	11	12	12	9.0	12
17	12	21	8.9	9.6	13	12	24	13	12	12	9.0	12
18	12	14	8.9	9.3	13	10	18	13	11	12	9.3	12
19	12	15	9.6	9.6	15	13	15	13	11	12	10	12
20	11	16	10	10	13	11	13	12	10	11	10	13
21	11	14	9.6	10	12	9.3	12	12	9.6	11	9.6	12
22	11	23	10	10	12	9.6	11	13	9.6	12	9.6	11
23	11	31	11	10	15	9.6	9.6	11	9.3	12	10	12
24	9.6	21	11	11	30	11	9.3	11	10	12	10	11
25	9.3	15	11	88	33	10	7.3	12	12	11	12	13
26	9.3	12	10	1140	23	11	9.6	12	12	9.6	10	11
27	8.9	11	12	1630	16	11	24	12	13	9.3	11	11
28	8.3	9.6	18	1230	13	10	35	12	13	9.3	11	14
29	9.3	9.3	20	890	12	11	20	12	13	10	10	14
30	9.3	9.6	16	576		10	12	12	13	9.3	11	11
31	9.3		12	380		12		12		9.0	12	
	350.3	445.6	404.6	6171.7	903.0	320.7	868.4	452.8	339.8	346.5	314.0	363.0
MEAN	11.3	15.0	13.1	199.	31.1	10.3	28.9	14.6	11.3	11.2	10.1	12.1
ACRE-FEET	695.	884.	803.	12240	1790.	636.	1720.	898.	674.	687.	623.	720.

Remarks:

YEAR OR PERIOD MEAN 30.8
ACRE-FEET 22,370.

74DT6M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

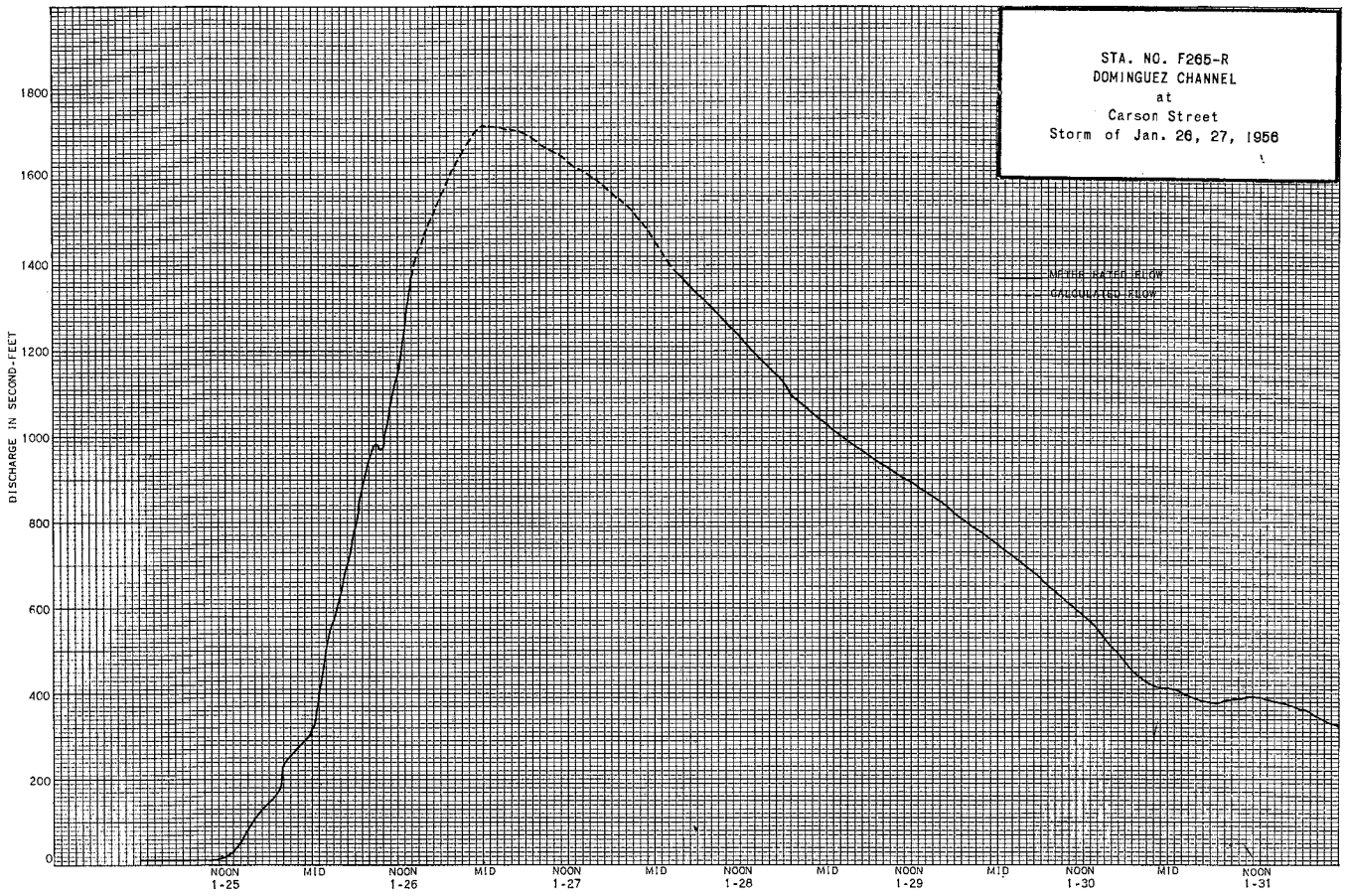
Sta. No. F265-R

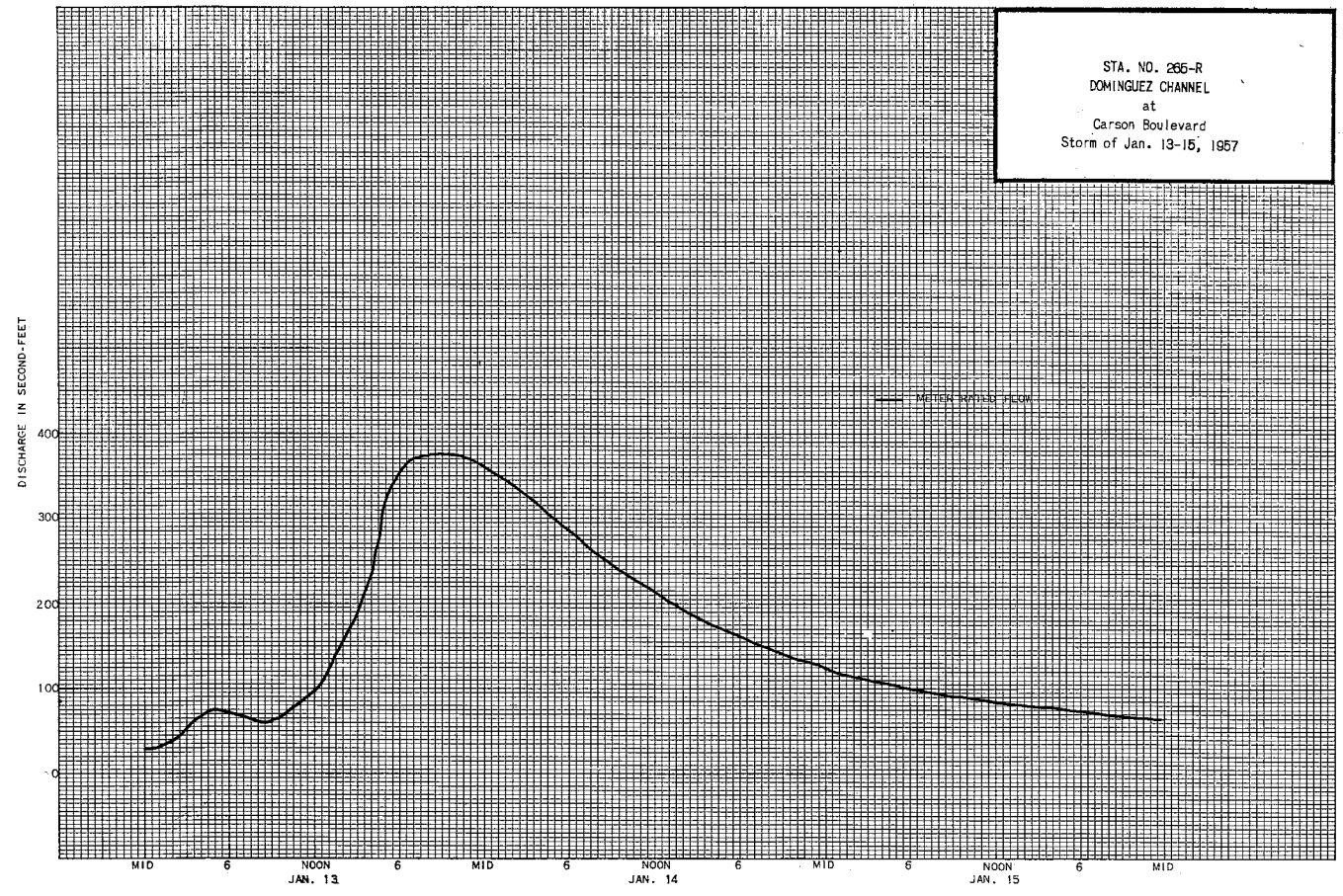
Daily discharge, in second-feet of DOMINGUEZ CHANNEL at Carson Street, for the year ending September 30, 1957

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	9.0	7.7	11	9.0	47	131	8.3	9.0	9.0	8.0	8.3	10
2	a 8.9	8.0	10	9.6	29	162	7.7	8.6	9.6	7.7	10	10
3	a 8.7	8.3	12	8.6	18	86	8.0	9.0	9.6	7.0	9.0	10
4	a 8.5	8.6	11	8.6	13	49	9.6	9.0	9.6	7.0	7.7	10
5	8.3	10	9.6	10	12	28	9.6	8.6	10	7.0	7.7	12
6	9.0	10	10	13	10	19	10	8.6	10	5.4	8.3	11
7	8.3	11	10	17	11	16	9.3	8.0	10	5.6	9.6	12
8	8.0	8.3	12	16	11	15	8.6	8.6	10	5.9	10	10
9	9.0	8.3	a 11	16	10	15	8.6	8.6	9.6	5.9	9.6	11
10	7.0	11	10	18	7.3	18	8.0	9.3	9.3	6.7	9.6	10
11	9.6	12	9.0	17	7.3	22	8.0	9.6	9.6	6.7	9.6	11
12	10	12	8.0	20	8.3	17	8.6	12	10	8.0	8.3	11
13	8.6	9.6	a 6.7	181	7.3	12	8.6	16	11	9.0	e 9.0	11
14	8.6	8.0	7.0	225	6.7	11	8.3	13	11	8.0	e 9.6	10
15	9.0	8.6	7.7	88	7.0	12	8.6	12	10	7.0	10	10
16	9.3	7.7	8.0	48	10	21	8.0	11	9.6	8.3	11	10
17	9.3	7.7	8.3	27	6.5	48	7.7	10	8.6	8.6	11	11
18	8.3	7.7	9.3	19	8.0	43	12	9.6	8.6	8.6	12	9.3
19	9.0	8.0	9.3	16	8.6	25	43	10	8.3	9.0	12	7.3
20	9.6	8.0	10	17	7.7	28	54	12	10	7.3	13	9.6
21	9.3	7.7	10	29	8.0	22	85	17	11	7.7	13	10
22	10	7.0	10	39	8.0	15	79	22	11	8.3	12	9.6
23	11	7.3	9.3	27	51	11	49	17	10	7.7	11	9.0
24	12	9.3	8.6	20	96	9.3	30	13	10	7.7	11	9.3
25	13	9.0	8.3	24	56	8.6	21	12	12	7.3	11	8.0
26	12	9.0	8.0	45	30	9.6	15	11	11	7.3	12	7.3
27	9.6	9.6	8.0	78	16	8.0	13	12	10	7.7	11	6.9
28	9.3	11	7.7	70	20	8.0	11	12	10	7.3	11	5.9
29	8.3	10	7.3	85		8.0	10	10	8.6	7.0	11	5.4
30	8.0	12	7.0	173		8.3	9.3	9.6	7.3	7.3	11	5.9
31	8.6		8.0	82		8.3		9.6		8.0	10	
	287.1	272.4	282.1	1455.8	530.7	894.1	576.8	347.7	294.3	230.0	319.3	283.5
MEAN	9.25	9.08	9.10	47.0	19.0	28.8	19.2	11.2	9.81	7.42	10.3	9.45
ACRE-FEET	569.	540.	560.	2890.	1050.	1770.	1140.	690.	584.	456.	633.	562.

Remarks:

YEAR OR PERIOD MEAN 15.8
ACRE-FEET 11,440.


STA. NO. F265-R
DOMINGUEZ CHANNEL
at
Carson Street
Storm of Jan. 26, 27, 1956
METER RATED FLOW
CALCULATED FLOW
DISCHARGE IN SECOND-FEET
0
200
400
600
800
1000
1200
1400
1600
1800
NOON 1-25
MID
NOON 1-26
MID
NOON 1-27
MID
NOON 1-28
MID
NOON 1-29
MID
NOON 1-30
MID
NOON 1-31


STA. NO. 265-R
DOMINGUEZ CHANNEL
at
Carson Boulevard
Storm of Jan. 13-15, 1957
METER RATED FLOW
DISCHARGE IN SECOND-FEET
0
100
200
300
400
MID
6
NOON
JAN. 13
6
MID
6
NOON
JAN. 14
6
MID
6
NOON
JAN. 15
6
MID

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. CHANNEL FORMS CONTROL.

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

RECORDER: INSTALLED JANUARY 15, 1930. REMOVED NOVEMBER 26, 1937 DUE TO CONSTRUCTION OF NEW BRIDGE. REINSTALLED NOVEMBER 3, 1938 OVER A 21-INCH DIAMETER GALVANIZED IRON PIPE STILLING WELL. A STEVENS, TYPE A, CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1955, TO SEPTEMBER 30, 1957.

REGULATION: NONE.

DIVERSIONS: NONE.

RECORDS AVAILABLE: JANUARY 15, 1930 TO NOVEMBER 26, 1937; NOVEMBER 3, 1938 TO SEPTEMBER 30, 1957.

EXTREMES OF DISCHARGE:
1955-56
MAXIMUM 560 SECOND-FEET JANUARY 26.
MINIMUM NO FLOW MOST OF YEAR
1956-57
MAXIMUM 120 SECOND-FEET FEBRUARY 23.
MINIMUM NO FLOW MOST OF YEAR.
1930-57
MAXIMUM DISCHARGE NOT DETERMINED, MARCH 2, 1938.
MAXIMUM DISCHARGE OF RECORD, 2750 SECOND-FEET, DECEMBER 31, 1933.

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.	RAT-ING	METH-OD	MEAS. SEC. NO.	B. HT. CHANGE TOTAL	METER NO.
219	1/26	0720 / 0735	DE MARS-CAIRE	31.0	49.8	7.91	5.23	394.		.6	8	-.16	FC34
220	1/26	2050 / 2100	" "	30.0	32.4	3.89	4.93	126.		.5	9	-.04	"

DISCHARGE MEASUREMENTS OF DUME CREEK
AT ~~NEAR~~ Roosevelt Highway 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.	RAT-ING	METH-OD	MEAS. SEC. NO.	B. HT. CHANGE TOTAL	METER NO.
221	1/13	0530 / 0535	SJOSTEDT-CAIRE	10.0	4.41	6.89	2.20	30.4	FLOATS		5	0	
222	1/29	1308 / 1309	SJOSTEDT	3.0	0.85	1.97	2.03	1.7		"	4	0	
223	1/31	1325 / 1332	WOOD-SJOSTEDT	1.5	0.17	1.35	1.83	0.23		.5	7	0	FC50
224	2/23	1030 / 1043	SJOSTEDT	7.5	5.96	2.77		16.5		.5 / .6	9		FC47
225	2/28	1455 / 1500	"	5.0	2.21	1.13	0.92	2.5		.5 / .6	6	0	"
226	4/20	1350 / 1400	"	6.0	1.98	1.16	1.12	2.3		.5 / .6	8	0	FC50

FADTAM Gb 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, 19 56

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	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	0				
10	0	0	0	0	0	0	0	0				
11	0	0	0	0	0	0	0	0				
12	0	0	0	0	0	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	0	0	0	0				
16	0	0	0	0	0	0	0	0				
17	0	0	0	0	0	0	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	31	0	0	0	0				
26	0	0	0	301	0	0	0	0				
27	0	0	0	37	0	0	0	0				
28	0	0	0	32	0	0	0	0				
29	0	0	0	0	0	0	0	0				
30	0	0	0	0		0	0	0				
31	0		0	0		0		0				
	0	0	0	3722	0	0	0	0	0	0	0	0
MEAN	0	0	0	12.0	0	0	0	0	0	0	0	0
ACRE-FEET	0	0	0	738.	0	0	0	0	0	0	0	0

RECORDER STOPPED FOR SUMMER

Remarks:

YEAR OR PERIOD MEAN 1.02
ACRE-FEET 738.

76D76M C&L 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

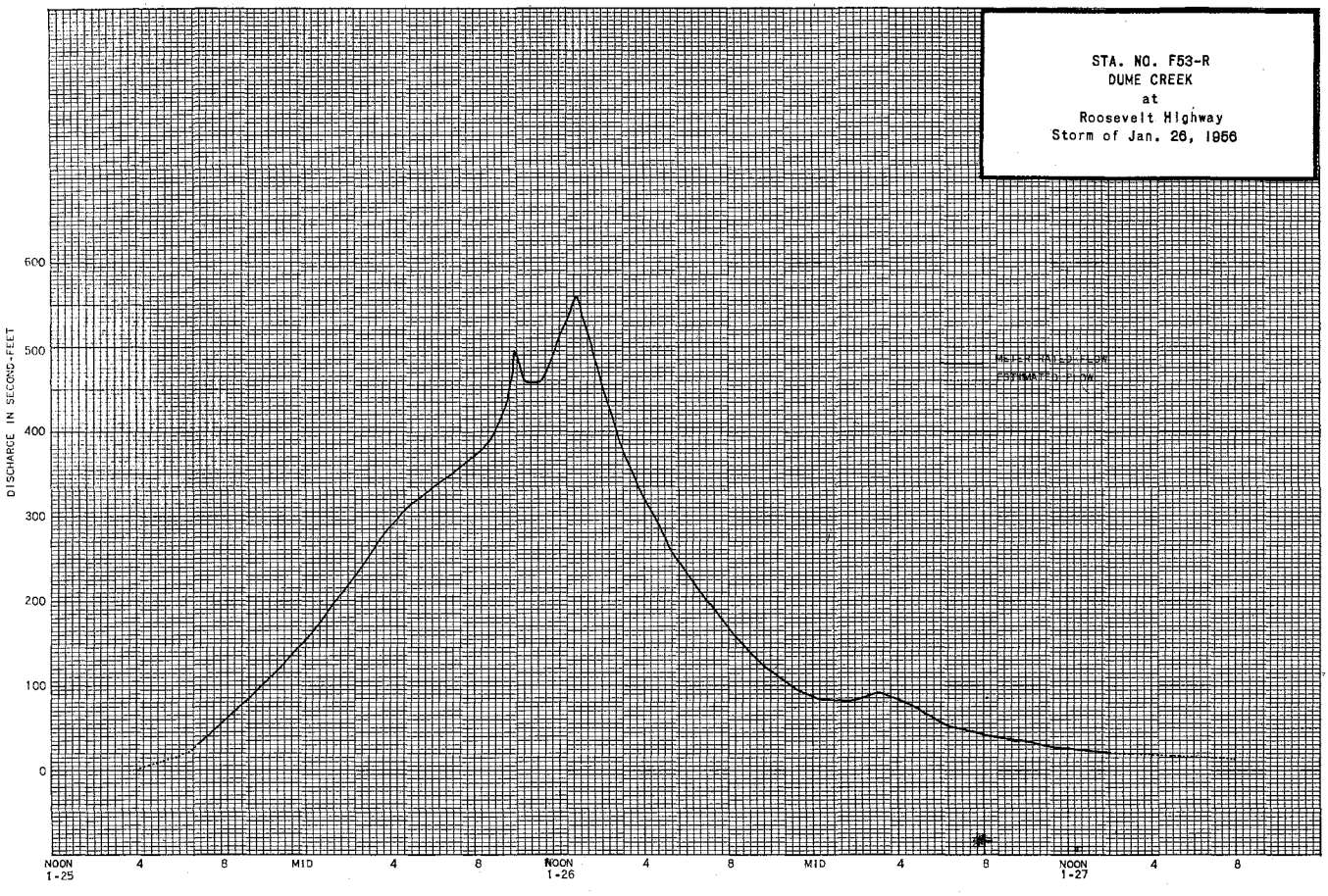
Sta. No. F53-R

Daily discharge, in second-feet of DUME CREEK at Roosevelt Highway, for the year ending September 30, 19 57

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0.5	0.4	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	7.1	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	0.1	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	0.4	0	0	0	0	0
19	0	0	0	0	0	0	0	0.7	0	0	0	0
20	0	0	0	0	0	0	0.6	0	0	0	0	0
21	0	0	0	0	0	0	0.3	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	2.4	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	0.7	0	0	0	0	0	0	0
29	0	0	0	1.5		0	0	0	0	0	0	0
30	0	0	0	0.6		0	0	0	0	0	0	0
31	0		0	0.5		0		0		0	0	
	0	0	0	9.7	25.2	0.5	1.3	0.7	0	0	0	0
MEAN	0	0	0	0.31	0.89	0.02	0.04	0.02	0	0	0	0
ACRE-FEET	0	0	0	19.	50.	1.0	2.6	1.4	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 0.10
ACRE-FEET 74.



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, 1957.

AVERAGE DISCHARGE: 39 YEARS, 2.22 SECOND-FEET. AVERAGE COMBINED DISCHARGE OF CREEK AND DIVERSION 34 YEARS, 3.39 SECOND-FEET.

EXTREMES:
1955-56
MAXIMUM DISCHARGE 429 SECOND-FEET JANUARY 26. (GAGE HEIGHT 2.70 FEET.)
MINIMUM NO FLOW MOST OF YEAR.
1956-57
MAXIMUM DISCHARGE 65 SECOND-FEET JANUARY 13, 'GAGE HEIGHT 1.39 FEET.)
MINIMUM NO FLOW MOST OF YEAR.
1918-57
MAXIMUM DISCHARGE 2400 SECOND-FEET MARCH 2, 1938 FROM RECORD OF INFLOW TO 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 OR 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	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
487	1/27		U.S.G.S.	20.0	15.8	3.85	1.42	60.9		.5 .6	20	0	

DISCHARGE MEASUREMENTS OF EATON CREEK
AT OR NEAR above Mouth of 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.	G. HT. CHANGE TOTAL	METER NO.
488	1/13		U.S.G.S.	CHANNELS			0.63	11.1		.6	16	0	
489	2/28		"	8.6	2.29	1.98	0.13	4.54		.5	11	0	
490	3/16		"	4.4	1.38	1.55	0.07	2.14		.5	12	0	

76D74M 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 56

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	1.9	0	0	0	0
10	0	0	0	0	0	0	0	0.8	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	1.5	0	0	0	0	0
13	0	0	0	0	0	0	2.3	0	0	0	0	0
14	0	0	0	0	0	0	0.2	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	1.9	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0.5	0	0	0	0	0	0	0	0
26	0	0	0	100	0	0	0	0	0	0	0	0
27	0	0	0	49	0	0	0.1	0	0	0	0	0
28	0	0	0	5.4	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	0.2		0	0	0	0	0	0	0
31	0		0	0.5		0		0		0	0	
	0	0	0	155.6	1.9	0	4.1	2.7	0	0	0	0
MEAN	0	0	0	5.02	0.07	0	0.14	0.09	0	0	0	0
ACRE-FEET	0	0	0	309.	3.8	0	8.1	5.4	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 0.45
ACRE-FEET 326.

76D74M 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 57

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	4.9	0	0	0	0	0	0
2	0	0	0	0	0	3.9	0	0	0	0	0	0
3	0	0	0	0	0	1.9	0	0	0	0	0	0
4	0.0	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	1.0	0	0	0	0	0	0
10	0	0	0	0	0	1.0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0.4	0	0	0	0
12	0	0	0	0	0	0	0	1.0	0	0	0	0
13	0	0	0	2.2	0	0	0	0.2	0	0	0	0
14	0	0	0	0.8	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	1.4	0	0	0	0	0	0
17	0	0	0	0	0	1.5	0	0	0	0	0	0
18	0	0	0	0	0	1.0	1.7	0	0	0	0	0
19	0	0	0	0	0	0.5	1.0	3.6	0	0	0	0
20	0	0	0	0	0	0	0.7	2.2	0	0	0	0
21	0	0	0	0	0	0	1.2	1.0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	9.6	0	0	0	0	0	0	0
24	0	0	0	0	4.2	0	0	0	0	0	0	0
25	0	0	0	0	2.0	0	0	0	0	0	0	0
26	0	0	0	0.1	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	4.0	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	22.9	19.8	17.1	4.6	8.4	0	0	0	0
MEAN	0	0	0	0.74	0.71	0.55	0.15	0.27	0	0	0	0
ACRE-FEET	0	0	0	45.	39.	34.	9.1	17.	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 0.20
ACRE-FEET 144.

STATION F271-R
EATON WASH below Eaton Wash 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 ABOUT 840 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: INSTALLED OCTOBER 10, 1940 OVER A 4 FT. X 4 FT. CONCRETE STILLING WELL. AN H.C.F. RECORDER WAS IN SERVICE FROM OCTOBER 1955 TO SEPTEMBER 30, 1957.

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, 1957.

EXTREMES OF DISCHARGE:

1955-56
MAXIMUM 41 SECOND-FEET JANUARY 26.
MINIMUM NO FLOW MOST OF YEAR.

1956-57
MAXIMUM 10.2 SECOND-FEET JUNE 6.
MINIMUM NO FLOW PART OF YEAR.

1940-57
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.

76D74M 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, 1956

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
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
14	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
22	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	153	0	0	0	0	0	0	0	0
27	0	0	0	41	0	0	0	0	0	0	0	0
28	0	0	0	190	0	0	0	.1	0	0	0	0
29	0	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		0	0	
	0	+	+	753	0	0	0	.1	0	0	0	0
MEAN	0	+	+	2.43	0	+	+	+	0	0	0	0
ACRE-FEET	0	+	+	149.	0	+	0.2	0	0	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.20
ACRE-FEET 149.

76D74M 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, 1957

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	+	+	+	+	+	+	1.1	+	0	0	0
2								+		0	0	0
3										+	0	0
4										0	0	0
5									+	0	0	0
6									1.2	0	0	0
7									+	0	0	0
8										0	0	0
9										0	0	0
10							+			0	0	0
11							2.0			0	0	0
12							2.1			0	0	0
13	+	+					+			0	0	0
14	0	0								0	0	0
15	0	0								0	0	0
16	0	0								0	0	0
17	0	0								0	0	0
18	0	0								0	0	0
19	0	0							0	0	0	0
20	0	0							0	0	0	0
21	0	0							0	0	0	0
22	0	0							0	0	0	0
23	0	0							0	0	0	0
24	0	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	
	+	+	+	+	+	+	4.1	1.1	1.2	+	0	0
MEAN	+	+	+	+	+	+	0.14	0.035	0.040	+	0	0
ACRE-FEET	+	+	+	+	+	+	8.2	2.2	2.4	+	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.02
ACRE-FEET 12.8

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 CENTERLINE 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: INSTALLED FEBRUARY 23, 1956, OVER A 3 FT. X 3 FT. CONCRETE STILLING WELL. A STEVENS TYPE A35 CONTINUOUS RECORDER WAS IN SERVICE FROM FEBRUARY 23, 1956, TO SEPTEMBER 30, 1957.

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, 1957.

EXTREMES OF DISCHARGE:

1955-56
MAXIMUM NOT DETERMINED.
MINIMUM NO FLOW PART OF YEAR.

1956-57
MAXIMUM 1760 SECOND-FEET FEBRUARY 23.
MINIMUM NO FLOW PART OF YEAR.

1930-57
MAXIMUM 2280 SECOND-FEET JANUARY 23, 1943 AT STATION F104-R.
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 Loftus Drive 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.
1	7/26	0835 / 0843	SADDORIS	6.8	0.11	0.82		0.09	FLOATS		8		

DISCHARGE MEASUREMENTS OF EATON WASH

AT Loftus Drive 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.
2	12/5	1344 / 1347	WADDICOR-ROY	9.0	0.98	1.33	0.16	1.3		.5	8	-.01	FC52
3	1/10	1135 / 1141	" "	60.0	9.60	2.82	0.42	27.	FLOATS		5	0	"
4	1/12	2120 / 2135	SADDORIS-FALCONE	60.0	66.8	9.50	1.25	631.		.6	16	+.20	FC55
5	1/12	2200 / 2230	" "	60.0	90.	8.68	1.49	780.		.6	16	-.03	"
6	2/28	1215 / 1230	" "	60.0	31.7	5.84	0.93	185.		.6	16	+.26	"
7	2/28	1235 / 1245	" "	60.0	70.0	7.38	1.38	568.		.6	16	+.11 / -.10	"
8	2/28	1320 / 1336	" "	60.0	27.3	5.46	0.76	149.		.6	16	-.17	"
9	2/28	1336 / 1345	" "	60.0	26.5	3.09	0.64	82.0		.6	16	-.08	"
10	3/9	1520 / 1530	ROY-FALCONE	60.0	56.0	9.23	1.23	516.		.6	7	+.05 / -.05	FC51
11	3/9	1600 / 1607	" "	60.0	27.2	5.48	0.77	149.		.5 / .6	10	-.17	"
12	3/9	1811 / 1818	FALCONE-ROY	60.0	17.8	5.28	0.53	94.		.5 / .6	9	-.03	"
13	3/16	0550 / 0558	ROY-FALCONE	60.0	26.5	8.60	0.97	228.		.6	9	+.15	"
14	3/16	0608 / 0613	" "	60.0	50.4	8.47	1.30	427.		.6	9	+.11	"
15	3/16	0630 / 0636	FALCONE-ROY	60.0	40.1	8.03	1.17	322.		.6	9	-.07	"
16	3/16	0754 / 0800	" "	60.0	21.6	5.79	0.80	125.		.6	11	-.04	"
17	3/16	0810 / 0821	" "	60.0	34.4	2.03	0.67	69.9		.6	15	-.10	"
18	4/17	2255 / 2300	ROY-FALCONE	60.0	39.0	6.41	1.04	250.		.6	9	+.08 / -.08	"
19	7/17	1448 / 1505	WADDICOR	7.5	0.81	0.87	0.14	0.71		.5	9	0	FC52
20	9/19	1436 / 1442	"	3.5	0.50	1.76	0.14	0.88		.5	8	0	"

76D74M Cab 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

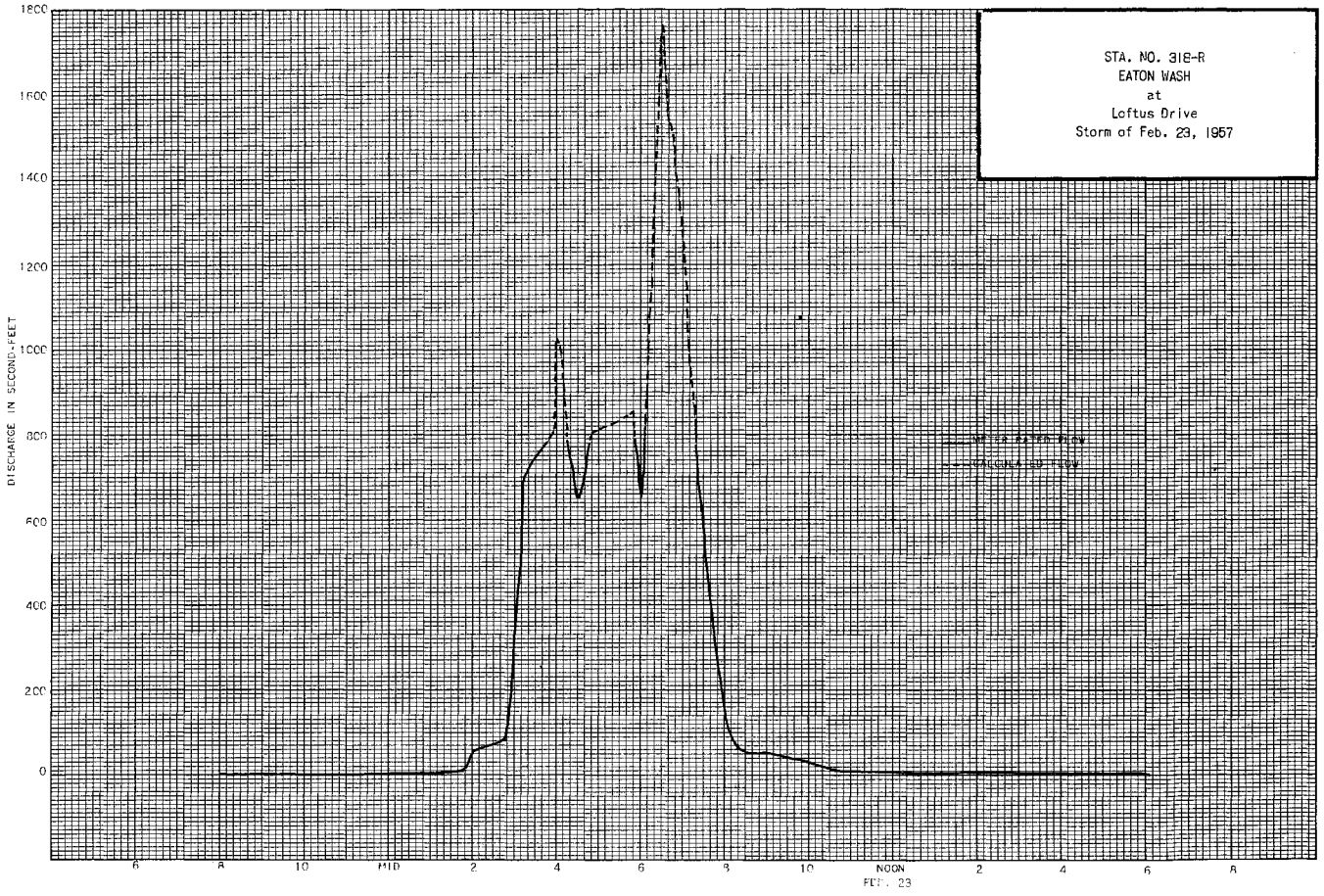
Sta. No. F318-R

Daily discharge, in second-feet of EATON WASH at Loftus Drive, for the year ending September 30, 1957

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.3	+	0.2	0.3	0.2	37	0.2	+	0.3	1.5	1.5	0.2
2	0.9	0.1	0.3	0.3	0.3	0.3	0.2	0.1	0.2	1.5	1.5	0.2
3	0.6	0.1	0.3	0.3	0.2	0.2	0.2	0.3	0.9	1.5	0.4	0.3
4	14.8	0.1	0.2	2.5	0.2	0.2	0.3	0.2	2.7	0.4	0.3	0.9
5	0.1	0.3	15.8	31	0.2	0.1	0.3	0.2	1.5	1.2	1.2	1.5
6	0	0.1	1.5	0.2	0.2	0.1	0.2	0.3	1.5	0.5	1.5	0.9
7	0	0.1	0.2	2.3	0.2	0.1	0.2	0.2	0.9	0.2	1.5	0.4
8	0.2	0.4	0.2	0.3	0.2	0.1	0.2	0.1	0.4	1.2	1.5	0.3
9	0.3	0.5	0.2	0.1	0.2	2.8	0.2	0.1	2.4	1.5	1.5	1.2
10	0.1	0.2	0.2	42	0.2	0.2	0.2	0.4	4.5	1.5	0.4	0.6
11	0.1	0.2	0.2	0.2	0.2	0.1	0.2	35	1.1	1.5	0.3	1.5
12	0.1	0.4	0.3	105	0.2	0.1	0.2	0.3	0.4	1.5	2.1	2.1
13	0	0.1	0.3	201	0.2	0.1	0.2	0.2	0.3	0.3	1.5	0.9
14	+	0.1	0.3	0.2	0.2	0.1	0.2	8.3	0.2	0.2	1.5	0.9
15	0.1	0.1	0.4	+	0.2	0.1	0.2 b	0.3	0.3	1.2	1.5	0.2
16	0	0.1	0.3	+	0.2	52	0.2	0.3	0.3	1.5	1.5	0.6
17	0	0.2	0.3	+	0.2	0.1	2.0	0.3	1.2	1.5	0.4	0.5
18	0	0.1	0.4	0	0.2	0.1	2.2 b	0.3	1.5	1.5	0.3	1.5
19	0.1	0.3	0.2	0	0.2	0.2	0.2	16.3	1.5	1.5	1.5	1.2
20	+	0.1	0.3	15.7	0.2	0.2	4.8 b	0.3	1.5	0.4	1.5	1.5
21	0	0.1	0.3	0.2	0.2	0.2	6.6	1.4	1.5	0.4	1.5	0.3
22	0	0.2	0.3	+	0.2	0.1	b 0.6	0.2	0.4	1.2	1.5	0.3
23	0.1	0.3	0.2	1.4	201	0.2	0.6	0.2	0.3	1.5	1.5	0.5
24	+	0.2	0.2	4.6	0.3	0.2	0.6	0.2	1.8	1.5	0.9	0.9
25	0	0.2	0.2	2.1	0.2	0.2 b	0.6	0.2	1.5	1.5	0.3	1.5
26	0	0.4	0.2	21	0.1	0.2	0.4	0.2	1.5	1.5	1.2	1.5
27	0.1	0.2	0.2	7.4	0.1	0.3	0.3	0.2	1.5	0.4	1.5	1.5
28	0.1	0.1	0.2	1.8	74	0.2	0.2	0.3	1.5	0.3	1.5	0.4
29	+	0.1	0.2	185		0.2	0.2	0.1	0.5	1.2	1.5	0.2
30	+	0.2	0.2	0.2		0.2	+	0.2	0.4	1.5	0.9	0.9
31	0		0.3	0.2		0.2		0.2		1.5	0.4	
	18.0	5.6	25.6	458.8	280.2	121.6	103.7	66.9	34.5	34.6	36.1	25.4
MEAN	0.58	0.19	0.83	14.8	10.0	3.92	3.46	2.16	1.15	1.12	1.16	0.85
ACRE-FEET	36.	11.	51.	910.	556.	241.	206.	133.	68.	69.	72.	50.

Remarks:
+ = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 3.32
ACRE-FEET 2400.



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 DOWN STREAM END OF CULVERT UNDER CAMP BALDY ROAD. ELEVATION OF ZERO GAGE HEIGHT ABOUT 2280.

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 DOWN STREAM THAT ACTS AS A CONTROL.

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

RECORDER: INSTALLED DECEMBER 17, 1956 OVER A 21 INCH DIAMETER CORRUGATED IRON PIPE STILLING WELL. AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM DECEMBER 17, 1956 TO SEPTEMBER 30, 1957.

REGULATION: NONE.

DIVERSIONS: NONE.

RECORDS AVAILABLE: MEASUREMENTS FROM OCTOBER 21, 1948. CONTINUOUS RECORD FROM DECEMBER 17, 1956 TO SEPTEMBER 30, 1957.

EXTREMES OF DISCHARGE:
1956-57
MAXIMUM 6.3 SECOND-FEET JANUARY 13.
MINIMUM NO FLOW PART OF YEAR

ACCURACY: POOR DURING HIGH FLOW; FAIR DURING LOW FLOWS.

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

DISCHARGE MEASUREMENTS OF EVEY CREEK

AT NEAR Camp Baldy Road 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.	RATINGS	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
4	1/10	1420 / 1428	MIDDLETON-MC BRIDE	1.4	0.25	0.88	2.65	0.22		.6	8	0	FC49
5	1/13	0042 / 0052	" "	6.5	1.97	2.72	3.76	5.4		.6	8	0	FC54
6	1/13	0625 / 0635	" "	4.5	1.10	5.45	3.68	6.0		.5	6	0	"
7	1/14	1235 / 1245	MC BRIDE - MIDDLETON	1.5	0.25	1.76	3.70	0.44		.6	6	0	FC49
8	1/17	1354 / 1400	MIDDLETON	1.0	0.10	1.00	3.69	0.10		.5	6	0	"
9	1/24	1328 / 1333	"	1.0	0.10	1.20	3.66	0.12		.6	6	0	"
10	1/26	0932 / 0938	"	1.5	0.17	1.53	3.82	0.26		.5	6	0	"
11	1/31	1045 / 1053	MC BRIDE - MIDDLETON	1.5	0.22	0.92	3.73	0.24		.6	6	0	"
12	2/7	1450 / 1455	ROY	0.9	0.10	0.50	3.68	0.05		.5	5	0	"
13	2/14	1333 / 1340	MIDDLETON	1.0	0.11	0.91	3.68	0.10		.5	6	0	"
14	2/21	1340 / 1347	BOWMAN-MIDDLETON	1.0	0.10	1.00	3.68	0.10		.5	6	0	"
15	2/23	0812 / 0816	MIDDLETON	4.0	0.60	3.33	3.75	2.0		SURF	5	-.02	FC54
16	2/25	0952 / 1003	"	1.3	0.23	0.74	3.62	0.17		.5	7	0	FC49
17	2/28	1331 / 1337	"	2.3	0.35	2.17	3.72	0.76		SURF	6	0	FC54
18	3/1	1545 / 1550	BROOK-MIDDLETON	1.8	0.29	0.76	3.45	0.22		.6	7	0	FC49
19	3/7	1408 / 1412	SARASUA-MIDDLETON	1.2	0.15	0.80	3.40	0.12		.5	5	0	"
20	3/14	1248 / 1253	" "	0.9	0.11	0.91	3.34	0.10		.5	5	0	"
21	3/16	1020 / 1028	MIDDLETON-STUNDEN	1.6	0.17	1.65	3.35	0.28		.5	5	0	"
22	3/21	1125 / 1132	SARASUA-MIDDLETON	1.1	0.14	1.14	3.32	0.16		.5	5	0	"
23	3/28	1354 / 1356	MC BRIDE - MIDDLETON	1.0	0.11	1.11	3.32	0.12		.5	4	0	"
24	4/11	1034 / 1038	SARASUA-MIDDLETON	0.7	0.06	1.17	3.33	0.07		.5	4	0	"
25	4/25	1055 / 1100	" "	0.8	0.12	0.67	3.37	0.08		.5	5	0	"
26	5/2	1527 / 1533	MIDDLETON-SARASUA	0.8	0.09	0.67	3.34	0.06		.5	5	0	"
27	5/8	1503 / 1508	MIDDLETON	0.8	0.06	0.83	3.34	0.05		.5	5	0	"
28	5/15	1538 / 1542	SARASUA-MIDDLETON	0.8	0.09	0.67	3.34	0.06		.5	5	0	"
29	5/23	1042 / 1048	MIDDLETON	1.5	0.23	0.92	3.44	0.21		.5	6	0	"
30	5/29	1040 / 1045	"	1.2	0.15	0.67	3.41	0.10		.5	5	0	"
31	6/5	1450 / 1455	SARASUA	0.6	0.05	1.00	3.40	0.05		.5	4	0	"
32	6/13	1605 / 1610	"	0.8	0.06	1.00	3.41	0.06		.5	5	0	"
33	6/19	1410 / 1420	"	0.60	0.03	1.33	3.30	0.04		.5	4	0	"
34	6/26	1405 / 1410	"	0.60	0.03	0.33	3.28	0.01		.5	4	0	"

74D14M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

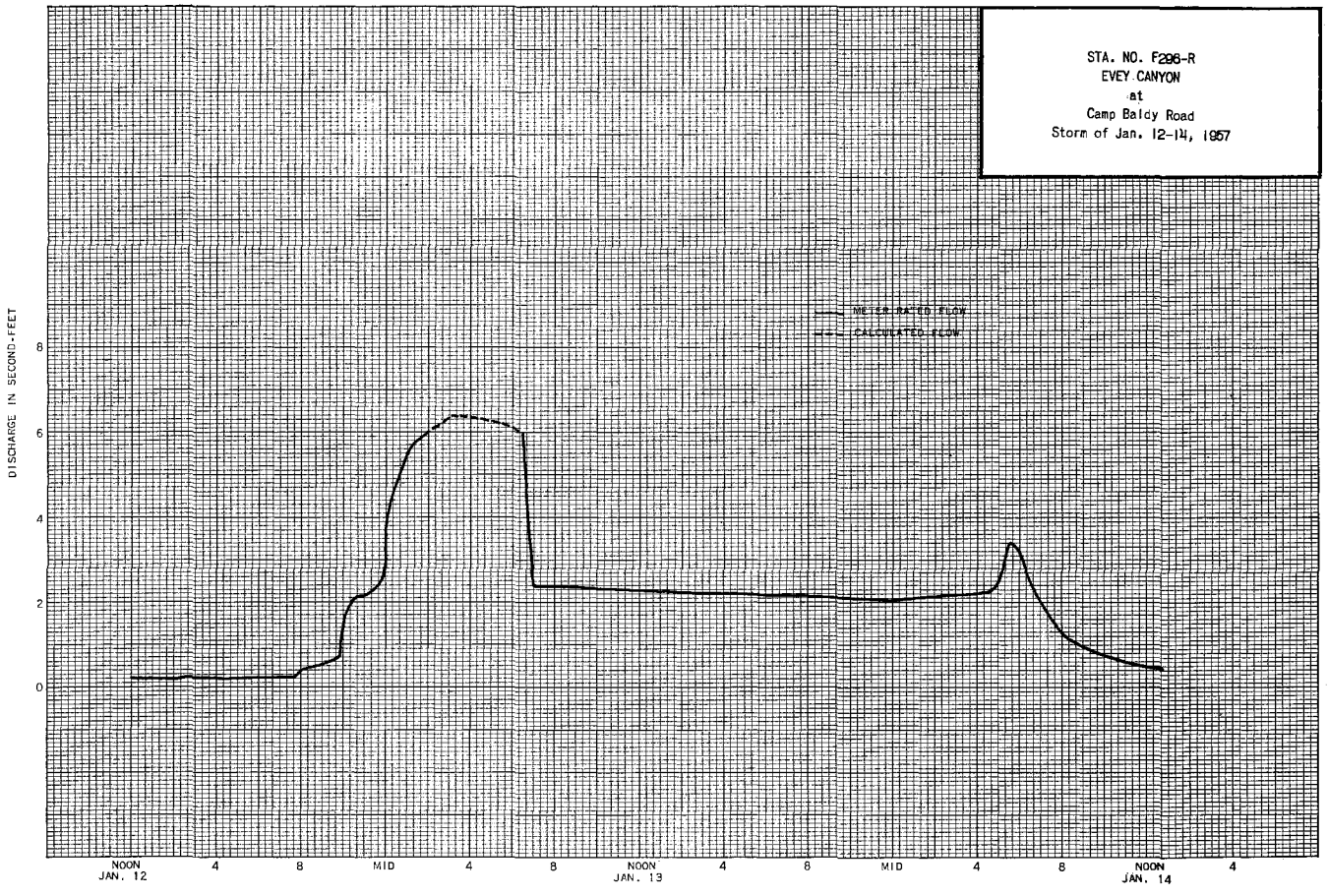
Sta. No. F296-R

Daily discharge, in second-feet of EVEY CANYON at Camp Baldy Road, for the year ending September 30, 1957

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1			a 0.1	0.1	0.2	0.2	0.1	0.1	0.1	+	0	0
2		RECORDER	0.1	0.1	0.3	0.2	0.1	0.1	0.1		0	0
3		INSTALLED	0.1	0.1	0.2	0.2	0.2	0.1	0.1		0	0
4		11/7/56	0.1	0.1	0.2	0.2	0.2	0.1	0.1		0	0
5			0.1	0.2	0.2	0.2	0.2	0.1	0.1		0	0
6			0.1	0.1	0.1	0.2	0.1	0.1	0.1		0	0
7		a 0.1	0.1	0.2	0.1	0.2	0.1	0.1	0.1		0	0
8		0.1	0.1	0.1	0.1	b 0.2	0.1	0.1	0.1		0	0
9		0.1	0.1	0.1	0.1	0.3	0.1	0.1	0.1		0	0
10		0.1	0.1	0.3	0.1	0.2	0.1	0.1	0.1		0	0
11		0.1	0.1	0.2	0.1	0.2	0.1	0.2	0.1		0	0
12		0.1	0.1	0.4	0.1	0.2	0.1	0.2	0.1	+	0	0
13		0.1	0.1	3.2	0.1	b 0.2	0.1	0.1	0.1	0	0	0
14		0.1	0.1	1.0	0.1	0.2	0.2	0.1	0.1	0	0	0
15		0.1	0.1	0.3	0.1	0.2	0.2	0.1	0.1	0	0	0
16		0.1	0.1	0.2	0.2	0.3	0.1	0.1	+	0	0	0
17		0.1	0.1	0.1	0.2	0.3	0.1	0.1		0	0	0
18		0.1	0.1	0.1	0.2	0.2	0.2	0.1		0	0	0
19		0.1	0.1	0.1	0.2	0.2	0.2	0.3		0	0	0
20		0.1	0.1	0.2	0.2	0.2	0.2	0.2		0	0	0
21		0.1	0.1	0.2	0.2	0.2	0.2	0.2		0	0	0
22		0.1	0.1	0.1	0.2	0.2	0.2	0.2		0	0	0
23		0.1	0.1	0.1	1.1	0.2	0.1	0.2		0	0	0
24		0.1	0.1	0.1	0.3	0.2	0.1	0.2		0	0	+
25		0.1	0.1	a 0.1	0.2	0.2	0.1	0.2		0	0	
26		0.1	0.1	0.2	0.2	0.2	0.1	0.1		0	0	
27		0.1	0.1	b 0.2	0.2	0.1	0.1	0.1		0	0	
28		0.1	0.1	0.2	0.4	0.1	0.1	0.1		0	0	
29		0.1	0.1	0.2		0.1	0.1	0.1		0	0	
30		a 0.1	0.1	b 0.2		0.1	0.1	0.1	+	0	0	+
31			a 0.1	0.2		0.1		0.1		0	0	
	N.D.		3.1	9.0	5.9	6.0	4.0	4.1	1.5	+	0	+
		N.D.										
MEAN			0.10	0.29	0.21	0.19	0.13	0.13	0.05	+	0	+
ACRE-FEET			6.1	18.	12.	12.	7.9	8.1	3.0	+	0	+

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN ACRE-FEET 67. INC.



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 1/14 SEC. 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, 1957.

AVERAGE DISCHARGE: 40 YEARS (1917-1957) 3.88 SECOND-FEET.

EXTREMES:
1955-56
MAXIMUM DISCHARGE 544 SECOND-FEET JANUARY 26. (GAGE HEIGHT 4.67 FEET.)
MINIMUM DAILY DISCHARGE NO FLOW AT TIMES.
1956-57
MAXIMUM DISCHARGE 108 SECOND-FEET JANUARY 13. (GAGE HEIGHT 3.03 FEET.)
MINIMUM DISCHARGE NO FLOW ON MANY DAYS.
1916-57
MAXIMUM DISCHARGE ABOUT 2180 SECOND-FEET APRIL 4, 1925.
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. FOURTEEN MEASUREMENTS FURNISHED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF FISH CREEK

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.	D. HT. CHANGE TOTAL	METER NO.
2175	10/5		U.S.G.S.				0.94	0.02		EST.		0	
2176	10/14	1040 / 1045	STUNDEN	0.5	0.05	1.00	0.96	0.05		.5	4	0	FC50
2177	10/19		U.S.G.S.				0.96	0.04		FLUME		0	
2178	10/27	1200 / 1205	STUNDEN	0.6	0.05	1.00	0.96	0.05		.5	4	0	FC50
2179	11/4		U.S.G.S.				0.95	0.02		FLUME		0	
2180	11/16		"				0.99	0.09		"		0	
2181	11/28		"				1.02	0.21		FLUME		0	
2182	11/30	1125 / 1133	STUNDEN	1.8	0.63	0.46	1.03	0.29		.5	5	0	FC50
2183	12/14		U.S.G.S.				1.06	0.31		FLUME		0	
2184	12/28		"	1.9	0.83	0.64	1.10	0.53		.5	11	0	
2185	1/10		"	1.9	0.75	0.49	1.10	0.37		.6	12	0	
2186	1/19	1010 / 1015	STUNDEN-PHENIX	1.0	0.19	1.84	1.13	0.35		.5	5	0	FC50
2187	1/24		U.S.G.S.	1.9	0.82	0.50	1.16	0.41		.6	12	0	
2188	1/27		"	20.0	16.9	3.38	2.65	57.1		.6	19	-.07	
2189	2/10		"	8.5	3.30	0.53	1.20	1.76		.5/.6	20	0	
2190	3/6		"	7.3	3.01	0.52	1.18	1.57		.6	21	0	
2191	3/20		"	7.3	2.67	0.41	1.11	1.10		.5/.6	17	0	
2192	4/4		"	7.2	2.40	0.35	1.08	0.84		.5/.6	17	0	
2193	4/18		"	6.6	3.02	0.76	1.25	2.29		.6	19	0	
2194	5/3		"	6.5	2.79	0.68	1.21	1.90		.6	17	0	
2195	5/17		"	6.7	2.91	0.63	1.21	1.84		.2/.8	16	0	
2196	5/28		"	6.5	2.77	0.58	1.15	1.61		.6	24	0	
2197	6/12		"	5.6	1.91	0.35	1.09	0.67		.5/.6	20	-.05	
2198	6/26		"	1.8	0.49	0.92	1.07	0.45		.5/.6	12	-.01	
2199	7/10		"	1.1	0.25	0.40	0.99	0.10		.5	8	0	
2200	7/24		"				0.96	0.04		FLUME		0	
2201	8/7		"				0.96	0.02		"		0	
2202	8/20		"				0.94	0.01		"		0	
2203	9/5		"				0.94	0.01		"		0	
2204	9/19		"				0.93	0.01		"		0	

DISCHARGE MEASUREMENTS OF FISH CREEK

AT above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1957

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.
2205	10/3		U.S.G.S.				0.93	0.01	FLUME			0	
2206	10/19		"				0.98	0.04	"			0	
2207	10/30		"				0.98	0.03	"			0	
2208	11/13		"				0.96	0.02	"			0	
2209	12/6		"	1.65	0.49	1.33	1.06	0.65	.6	10		0	
2210	1/7		"	1.9	0.53	1.13	1.05	0.60	.5 / .6	8		0	
2211	1/13		"	13.0	10.0	2.24	2.07	22.4	.5 / .6	14		-.03	
2212	1/23		"	3.0	0.84	1.10	1.08	0.92	.5	12		0	
2213	2/5		"	3.6	1.29	1.09	1.13	1.41	.5 / .6	13		0	
2214	2/7	1540 / 1550	HOLLERON	2.9	1.24	1.05	1.11	1.29	.6	7		0	
2215	2/13		U.S.G.S.	2.6	0.96	0.94	1.08	0.90	.5 / .6	14		0	
2216	2/20	1305 / 1315	MC BRIDE - HOLLERON	2.8	1.08	0.93	1.12	1.02	.5 / .6	7		0	
2217	2/23		U.S.G.S.	14.1	8.11	1.63	1.77	13.2	.5 / .6	22		-.02	
2218	3/6	1620 / 1634	HOLLERON	5.5	2.22	1.17	1.25	2.60	.5 / .6	11		0	
2219	3/20		U.S.G.S.	4.9	2.33	0.75	1.19	1.74	.5 / .6	23		0	
	3/27	1542 / 1552	HOLLERON	2.2	0.53	2.45	1.23	1.3	.5	6		0	
2220	3/30		U.S.G.S.	2.0	.62	1.81	1.23	1.13	.6 / .6	8		0	
2221	4/15		"	3.3	1.15	0.83	1.25	0.95	.5	12		-.02	
2222	4/24	1040 / 1052	HOLLERON	2.2	0.58	2.24	1.25	1.3	.5	6		0	
2223	5/7		U.S.G.S.	2.7	0.69	1.55	1.09	1.07	.5	10		-.01	
2224	5/22	0914 / 0924	HOLLERON	4.5	1.42	1.41	1.18	2.0	.5	11		0	
2225	5/23		U.S.G.S.	4.4	2.23	0.71	1.17	1.58	.5 / .6	16		0	
2226	6/11	0832 / 0842	HOLLERON	3.3	0.88	1.09	1.15	0.96	.5	9		0	
2227	6/12		U.S.G.S.	4.1	1.47	0.54	1.14	0.79	.5 / .6	14		-.01	
2228	6/25		"	0.9	0.36	0.53	1.03	0.19	.6	6		-.01	
2229	6/26	0911 / 0914	HOLLERON	2.0	0.42	0.57	1.02	0.24	.5	5		0	
2230	7/10	0832 / 0836	"	0.6	0.08	0.25	0.95	0.02	.5	5		0	
2231	7/17		U.S.G.S.				0.94	0.02	FLUME			0	
2232	7/24	1115	HOLLERON				0.93	0.01	VOL.			0	
2233	8/6		U.S.G.S.				0.92	0.01	FLUME			0	
2234	8/21		"				0.90	0.01	"			0	
2235	9/18		"					0.01	"				

TEDTEM C-b 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, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0.4	0.5	4.9	2.1	1.2	2.1	1.0	0.2	0	0.1
2	0	0	0.7	0.5	4.6	2.0	1.1	1.8	0.8	0.4	0	0
3	0	0	0.3	0.5	4.6	1.7	1.1	1.7	0.8	0.5	0	0
4	0	0	0.4	0.4	4.6	1.6	0.9	1.7	0.8	0.4	0	0
5	0	0	0.4	0.4	4.0	1.6	0.8	1.6	1.0	0.4	0	0
6	0	0	0.4	0.4	3.5	1.5	0.8	1.5	1.0	0.3	0	0
7	0	0	0.3	0.3	3.0	1.4	0.8	1.4	1.0	0.2	0	0
8	0	0	0.3	0.3	2.5	1.3	0.8	1.3	0.9	0.2	0	0
9	0	0	0.3	0.4	2.0	1.3	0.8	7.9	0.9	0.1	0	0
10	0	0	0.3	0.4	1.6	1.2	0.9	5.8	0.8	0.1	0	0
11	0	0	0.3	0.4	1.6	1.3	1.1	4.2	0.7	0.1	0	0
12	0	0	0.3	0.4	1.5	1.2	8.4	3.8	0.7	0.1	0	0
13	0	0	0.3	0.4	1.5	1.2	9.9	3.6	0.5	0.1	0	0
14	0	0.2	0.3	0.4	1.5	1.2	5.6	3.2	0.5	0.1	0	0
15	0	0.1	0.3	0.4	1.4	1.1	3.9	2.7	0.7	0.1	0	0
16	0	0.1	0.3	0.4	1.3	1.1	3.0	2.1	0.8	0.1	0	0
17	0	0.2	0.3	0.3	1.2	1.0	2.6	2.0	0.7	0.1	0	0
18	0	0.2	0.3	0.3	1.2	1.0	2.3	1.7	0.7	0.1	0	0
19	0	0.2	0.3	0.4	1.2	1.0	1.8	1.6	0.8	0.1	0	0
20	0	0.2	0.3	0.4	1.2	1.0	1.4	1.6	0.7	0	0	0
21	0	0.7	0.3	0.4	1.2	1.0	1.2	1.8	0.8	0	0	0
22	0	0.4	0.3	0.4	1.1	1.0	1.0	1.7	0.7	0	0	0
23	0	0.2	0.4	0.4	6.6	0.9	0.8	1.7	0.6	0	0	0
24	0	0.2	0.5	0.4	5.6	0.9	1.0	1.7	0.5	0	0	0
25	0	0.2	0.5	6.1	3.9	0.9	0.8	1.7	0.5	0	0	0
26	0	0.2	0.5	15.5	3.3	0.9	3.8	1.7	0.4	0	0	0
27	0	0.2	0.5	6.1	2.7	0.9	3.9	1.7	0.3	0	0	0
28	0	0.2	0.5	1.2	2.3	0.8	2.9	1.6	0.2	0	0	0
29	0	0.2	0.5	6.5	2.2	0.8	2.3	1.5	0.2	0	0.1	0
30	0	0.3	0.5	5.3		0.8	2.2	1.4	0.2	0	0.1	0
31	0		0.5	5.1		0.8		1.1		0	0.1	
	0	4.0	11.8	260.5	77.8	36.5	69.1	70.9	20.2	3.7	0.3	0.1
MEAN	0	0.13	0.38	8.40	2.68	1.18	2.30	2.29	0.67	0.12	0.01	0.003
ACRE-FEET	0	7.9	23.	517.	154.	72.	137.	141.	40.	7.3	0.6	0.2

Remarks:

YEAR OR PERIOD MEAN 1.52
ACRE-FEET 1,100.

FORM Cdb 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 57

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0.3	2.6	5.8	1.1	0.8	0.8	0.2	0	0
2	0	0	0	0.3	2.2	5.5	1.0	0.8	0.7	0.2	0	0
3	0	0	0	0.3	1.8	4.6	1.1	0.9	0.6	0.1	0	0
4	0.1	0	0.1	0.4	1.7	3.9	1.3	0.9	0.5	0.1	0	0
5	0	0	0.5	2.3	1.4	3.6	1.3	1.1	0.5	0.1	0	0
6	0	0	1.3	0.8	1.4	3.0	1.4	1.2	0.5	0.1	0	0
7	0	0	0.4	0.6	1.3	2.2	1.3	1.1	0.5	0.1	0	0
8	0	0	0.3	0.7	1.3	1.8	1.1	1.1	0.7	0	0	0
9	0	0	0.3	0.5	1.3	4.6	1.2	1.0	0.8	0	0	0
10	0	0	0.3	2.9	1.2	5.1	1.1	1.0	1.2	0.1	0	0
11	0	0	0.2	1.3	1.1	3.8	1.4	1.3	0.8	0.1	0	0
12	0	0	0.2	2.1	1.0	3.3	1.4	1.2	0.7	0	0	0
13	0	0	0.2	3.3	1.0	2.6	1.1	1.2	0.7	0	0	0
14	0	0	0.2	3.0	0.9	2.2	1.1	1.2	0.7	0	0	0
15	0	0	0.2	1.4	0.8	1.6	0.9	1.1	0.8	0	0	0
16	0	0	0.2	0.8	0.8	3.4	0.8	1.0	0.6	0	0	0
17	0	0	0.2	0.6	0.8	2.2	1.3	0.9	0.4	0	0	0
18	0	0	0.2	0.6	0.9	1.8	2.5	1.0	0.2	0	0	0
19	0	0	0.2	0.6	0.9	1.7	1.3	1.1	0.2	0	0	0
20	0	0	0.2	0.9	1.0	1.7	2.1	3.0	0.2	0	0	0
21	0	0	0.2	1.0	1.0	2.0	2.7	2.5	0.2	0	0	0
22	0	0	0.3	0.8	1.0	1.7	1.8	2.0	0.3	0	0	0
23	0	0	0.3	0.9	2.3	1.5	1.6	1.5	0.3	0	0	0
24	0	0	0.2	1.3	5.7	1.4	1.2	1.3	0.2	0	0	0
25	0	0	0.2	1.5	4.2	1.4	1.0	1.1	0.2	0	0	0
26	0	0	0.2	5.6	3.3	1.4	0.8	1.0	0.3	0	0	0
27	0	0	0.2	4.1	2.3	1.2	0.8	0.9	0.3	0	0	0
28	0	0	0.2	3.0	4.1	1.1	0.7	1.0	0.3	0	0	0
29	0	0	0.2	4.1		1.1	0.7	1.1	0.3	0	0	0
30	0	0	0.2	3.9		1.1	0.8	1.0	0.2	0	0	0
31	0		0.3	3.2		1.1		0.9		0	0	
	0.1	0	7.7	62.8	70.0	79.4	37.9	47.1	14.7	1.1	0	0
MEAN	0.003	0	0.25	2.67	2.50	2.56	1.26	1.52	0.49	0.04	0	0
ACRE-FEET	0.2	0	15.	164.	139.	157.	75.	93.	29.	2.2	0	0

Remarks:

YEAR OR PERIOD MEAN 0.93
ACRE-FEET 674.

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, T.2N., 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, 1957.

AVERAGE DISCHARGE: 39 YEARS, 0.14 SECOND-FOOT.

EXTREMES
1955-56
MAXIMUM DISCHARGE 3.6 SECOND-FEET JANUARY 26. (GAGE HEIGHT 1.63 FEET.)
MINIMUM DAILY DISCHARGE NO FLOW DURING MOST OF YEAR.
1956-57
MAXIMUM DISCHARGE 0.3 SECOND-FEET FEBRUARY 23 (GAGE HEIGHT 1.17 FEET.)
MINIMUM DAILY DISCHARGE NO FLOW DURING MOST OF YEAR. (SEE REMARKS)
1917-34, 1935-57
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. ATTAINED A GAGE HEIGHT OF APPROXIMATELY 11 FEET JANUARY 1, 1934. DISCHARGE NOT DETERMINED. DIVERSIONS ABOVE STATION FOR DOMESTIC USE. NO SIGNIFICANT DISCHARGE DURING YEAR ENDING SEPTEMBER 30, 1957.

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

DISCHARGE MEASUREMENTS OF HAINES CREEK

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.	RAT-ING	METH-OD	MEAS. SEC. NO.	E. HT. CHANGE TOTAL	METER NO.
656	1/31		U.S.G.S.				1.02	0.01		EST.			
657	2/8		"				1.03	0.01		FLUME			
658	2/29		"				1.03	0.01		EST.			
659	3/30		"				1.02	0.01		EST.			
660	4/30		"				1.03	0.01		EST.			
661	5/31		"				1.02	0.01		EST.			
662	7/2		"				1.05	0.01		EST.			

F6D74M 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, 1956

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	0.1	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	0.1	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	0.1	0	0	0
16	0	0	0	0	0	0	0	0	0.1	0	0	0
17	0	0	0	0	0	0	0	0	0.1	0	0	0
18	0	0	0	0	0	0	0	0	0.1	0	0	0
19	0	0	0	0	0	0	0	0	0.1	0	0	0
20	0	0	0	0	0	0	0	0	0.1	0	0	0
21	0	0	0	0	0	0	0	0	0.1	0	0	0
22	0	0	0	0	0	0	0	0	0.1	0	0	0
23	0	0	0	0	0	0	0	0	0.1	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	0.9	0.1	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	0.9	0.3	0	0.1	0.1	0.9	0	0	0
MEAN	0	0	0	0.03	0.01	0	0.003	0.003	0.03	0	0	0
ACRE-FEET	0	0	0	1.8	0.6	0	0.2	0.2	1.8	0	0	0

Remarks:

YEAR OR PERIOD MEAN 0.006
ACRE-FEET 4.6

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: INSTALLED NOVEMBER 21, 1955 OVER A 20-INCH CORRUGATED IRON PIPE STILLING WELL. AN H.C.F. RECORDER IN SERVICE FROM NOVEMBER 21, 1955 TO SEPTEMBER 30, 1957. STATION FORMERLY LOCATED APPROXIMATELY 1000 FEET UPSTREAM.

REGULATION AND/OR DIVERSIONS: NONE.

RECORDS AVAILABLE: MARCH 13, 1946 TO NOVEMBER 21, 1955 AT STATION F287-R; NOVEMBER 21, 1955 TO SEPTEMBER 30, 1957 AT STATION F287B-R.

EXTREMES OF DISCHARGE:

1955-56
MAXIMUM 300 SECOND-FEET JANUARY 26.
MINIMUM NO FLOW MOST OF YEAR.

1956-57
MAXIMUM 7.0 SECOND-FEET JANUARY 12.
MINIMUM NO FLOW MOST OF YEAR.

1946-57
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 CREEK

AT OR NEAR below Debris Basin 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	1/26	0303 / 0312	GODFREY-POLZIN	14.0	3.70	4.51	0.20	16.7	FLOATS		5	0	
2	1/26	0456 / 0502	" "	11.0	0.80	1.18	0.40	0.94	"		5	0	
3	1/26	2000 / 2015	" "	9.6	4.40	1.77	0.14	7.8		.5 .6	10	0	FC28
4	1/27	1700 / 1717	HYDE	7.5	3.65	1.26		4.6		.6	10	0	"
5	4/12	1355 / 1358	HYDE-BLAKE	3.0	0.25	1.72	0.15	0.43		.5	4	0	FC35

DISCHARGE MEASUREMENTS OF LA TUNA CREEK

AT OR NEAR below Debris Basin 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.	G. HT. CHANGE TOTAL	METER NO.
6	1/12	1850 / 1900	HYDE-SALGADO	3.8	0.28	1.11	0.09	0.31		.5	6	0	FC35
7	1/12	2320 / 2324	" "	4.0	0.82	1.95	0.19	1.6		.5	5	0	"
8	5/31	1315 / 1321	HYDE	3.5	0.68	1.29	0.07	0.88		.5	6	0	FC58

75D74M 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, 1956

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	0	0	0	0	0			
3	0	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	0			
6	0	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			
9	0	0	0	0	0	0	0	0	0			
10	0	0	0	0	0	0	0	0	0			
11	0	0	0	0	0	0	0	0	0			
12	0	0	0	0	0	0	+	0	0			
13	0	0	0	0	0	0	+	0	0			
14	0	0	0	0	0	0	0	0	0			
15	0	0	0	0	0	0	0	0	0	STOPPED FOR SUMMER		
16	0	0	0	0	0	0	0	0	0			
17	0	0	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			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	0	0	0	0	0			0
26	0	0	0	2 1	0	0	0	0	0			0
27	0	0	0	0	0	0	0	0	0			0
28	0	0	0	0	0	0	0	0	0			0
29	0	0	0	0	0	0	0	0	0			0
30	0	0	0	0	0	0	0	0	0			0
31	0		0	0		0		0				
	0	0	+	2 1 .0	0	0	+	+	0			0
MEAN	0	0	+	0.68	0	0	+	0	0	0	0	0
ACRE-FEET	0	0	+	42.	0	0	+	0	0	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.06
ACRE-FEET 42.

75D74M Cdb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

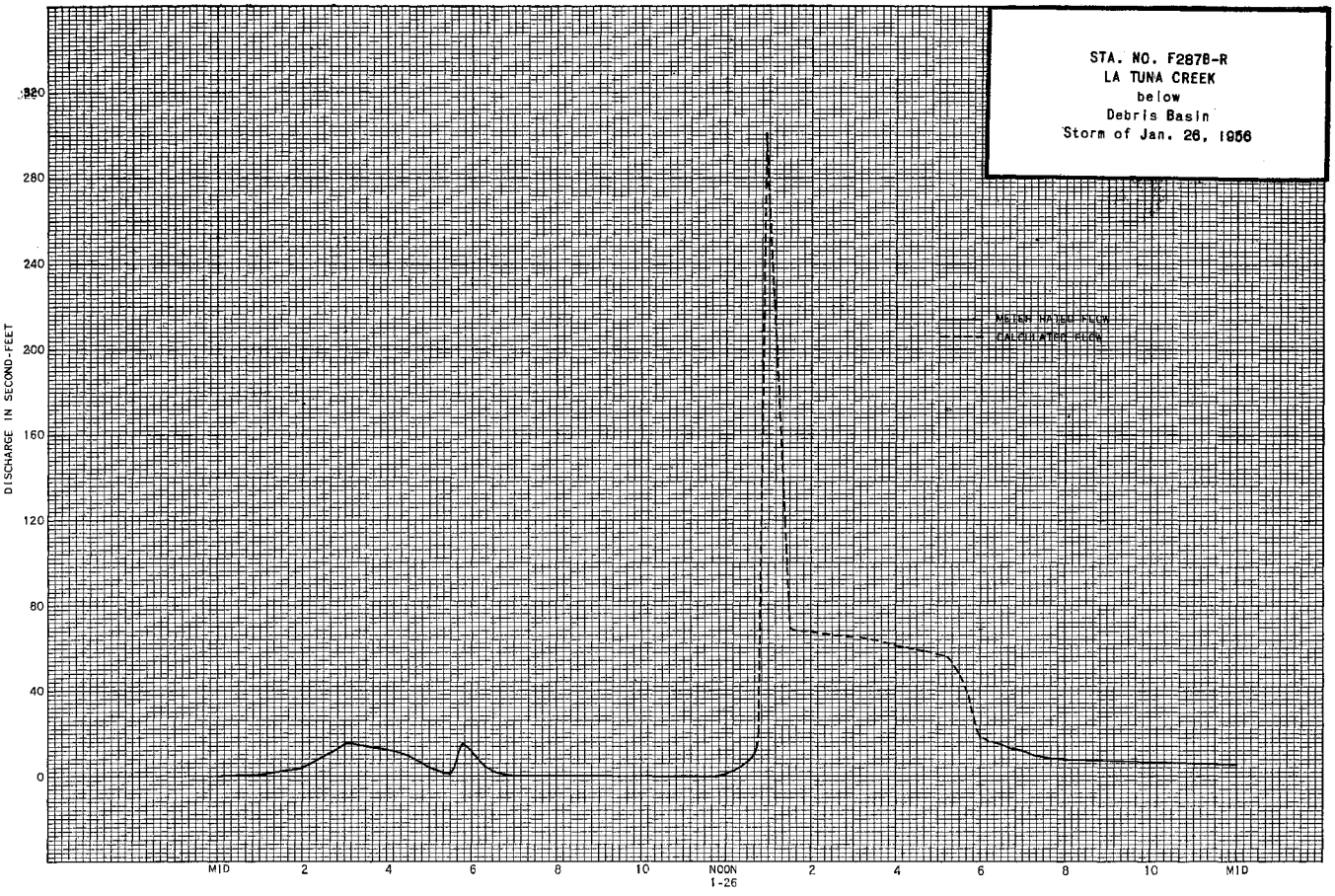
Sta. No. F267B-R

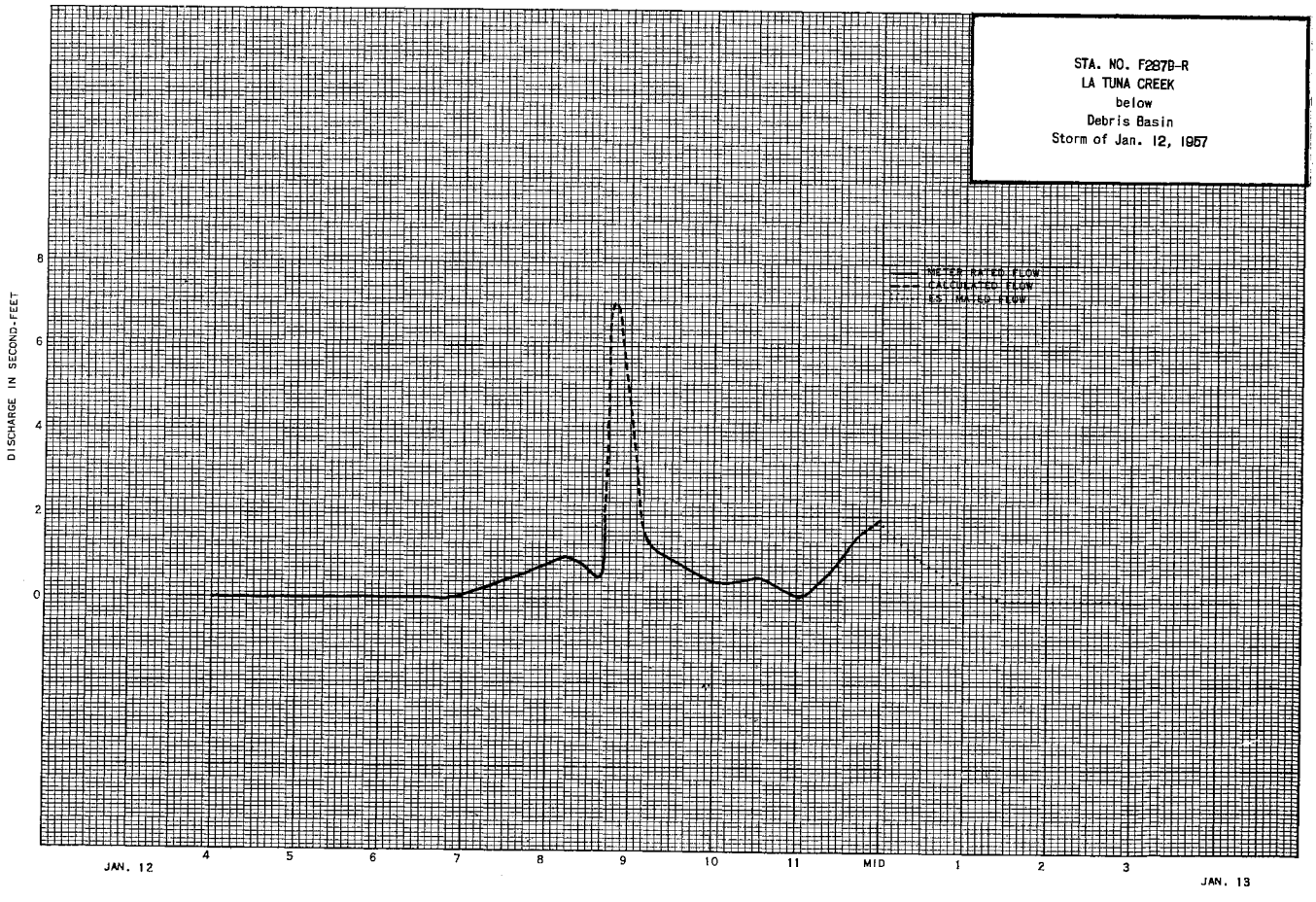
Daily discharge, in second-feet of LA TUNA CREEK below Debris Basin, for the year ending September 30, 1957

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	0	0	0	0	0			
3	0	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				
6	0	0	0	0	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				STOPPED FOR SUMMER
10	0	0	0	+	0	0	0	0				
11	0	0	0	0	0	0	0	0 .2				
12	0	0	0	0 .2	0	0	0	0				
13	0	0	0	+	0	+	0	0				
14	0	0	0	0	0	+	0	+				
15	0	0	0	0	0	0	0	0				
16	0	0	0	0	0	0 .1	0	0				
17	0	0	0	0	0	0	+	0				
18	0	0	0	0	0	0	0	+				0
19	0	0	0	0	0	0	0	0 .3				0
20	0	0	0	+	0	0	+	+				0
21	0	0	0	0	0	+	0	+				0
22	0	0	0	0	0	+	0	0				0
23	0	0	0	+	0 .3	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 .3				0
29	0	0	0	+		0	0	0 5				0
30	0	0	0	0		0	0	0 5				0
31	0		0	0		0		0 2				
	0	0	0	0 .2	0 .3	0 .1	+	2 0	0	0	0	0
MEAN	0	0	0	+	+	+	+	0.6	0	0	0	0
ACRE-FEET	0	0	0	0.4	0.6	0.2	+	4.0	0	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.007
ACRE-FEET 5.2


STA. NO. F287B-R
LA TUNA CREEK
below
Debris Basin
Storm of Jan. 26, 1956
METER RATED FLOW
CALCULATED FLOW
DISCHARGE IN SECOND-FEET
320
280
240
200
160
120
80
40
0
MID
2
4
6
8
10
NOON
1-26
2
4
6
8
10
MID


STA. NO. F287B-R
LA TUNA CREEK
below
Debris Basin
Storm of Jan. 12, 1957
METER RATED FLOW
CALCULATED FLOW
ESTIMATED FLOW
DISCHARGE IN SECOND-FEET
8
6
4
2
0
JAN. 12
4
5
6
7
8
9
10
11
MID
1
2
3
JAN. 13

STATION F149-R
LIMEKILN CREEK at Devonshire Street

LOCATION: WATER-STAGE RECORDER, LAT. 34°15'27", LONG. 118°33'29", ON THE LEFT (EAST) ABUTMENT OF A CONCRETE, DOUBLE BOX CULVERT UNDER DEVONSHIRE AVENUE ABOUT 2-1/2 MILES EAST OF CHATSWORTH. ELEVATION OF GAGE ABOUT 970 FEET.

DRAINAGE AREA: 3.8 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - SAND, GRAVEL AND SMALL BOULDERS. CONTROL - CULVERT ENTRANCE ACTS AS A CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM TOP OF CULVERT.

RECORDER: INSTALLED NOVEMBER 9, 1939. MOVED TO UPSTREAM SIDE OF BRIDGE NOVEMBER 30, 1943 OVER A 12-INCH IRON PIPE STILLING WELL. AN H.C.F. RECORDER WAS IN SERVICE FROM OCTOBER 1, 1955 TO SEPTEMBER 30, 1957.

REGULATION: NONE.

RECORDS AVAILABLE: NOVEMBER 9, 1939 TO SEPTEMBER 30, 1957.

EXTREMES OF DISCHARGE:
1955-56
MAXIMUM 90 SECOND-FEET JANUARY 26.
MINIMUM NO FLOW PART OF YEAR.
1956-57
MAXIMUM 68.7 SECOND-FEET FEBRUARY 23.
MINIMUM NO FLOW PART OF YEAR.
1939-57
MAXIMUM 828 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 LIMEKILN CREEK
AT ~~NEAR~~ Devonshire 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.	RATING	METHOD	MEAS. SEC. NO.	D. HT. CHANGE TOTAL	METER NO.
173	12/4	0908	0914	HYDE-TURNER	2.2	0.58	2.41	2.28	1.4		.5	7	0	FC60
174	12/4	1622	1628	" "	2.5	0.45	1.56	2.26	0.70		.5	6	0	FC43
175	12/14	1215	1220	HYDE	0.8	0.07	0.57	2.28	0.04		.5	5	0	"
176	12/21	1220	1226	"	0.7	0.07	0.86	2.26	0.06		.5	5	0	"
177	1/25	1427	1437	"	5.0	3.89	5.35	2.89	20.8		.6	9	0	FC35
178	1/25	2336	2345	HYDE-BLAKE	4.9	1.93	4.20	2.60	8.1		.5	8	0	"
179	1/26	1250	1305	" "		CHANNELS		4.65	66.7		.6	16	0	"
180	4/12	1043	1052	HYDE	7.5	1.97	3.05	3.54	6.0		.5	9	-.03	"
181	5/9	1323	1327	HYDE-BLAKE	3.0	0.38	1.47	3.34	0.56		.5	6	0	"

DISCHARGE MEASUREMENTS OF LIMEKILN CREEK
AT ~~NEAR~~ Devonshire Street DURING THE YEAR ENDING SEPTEMBER 30, 1957

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.
182	2/28	1218	1227	BROOK-HYDE	8.3	3.54	4.27	3.95	15.1		.6	9	+.10	FC35
183	4/20	1428	1430	HYDE-FEIKER	3.0	0.15	1.07	3.48	0.16		.5	4	0	FC60

76D74M Cib 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F149-R

Daily discharge, in second-feet of LIMEKILN CREEK at Devonshire Street, for the year ending September 30, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0.4	0	0	0	+	0				
2	0	0	0	0	0	0		0				
3	0	0	0	0	0	0		0				
4	0	0	0.6	0	0	0		0				
5	0	0	0	0	0	0		0				
6	0	0	0.2	0	0	0	+	0				
7	0	0	+	0	0	0	0.1	0				
8	0	0	+	0	0	0	0	0				
9	0	0	+	0	0	0	0	5.7				
10	0	0	0.5	0	0	0	0	0				
11	0	0	0.1	0	0	0	+	0				
12	0	0	0	0	0	0	3.0	0				
13	0	0	+	0	0	0	+	0				
14	0	0.8	|	0	0	0	0	0				
15	0	0		0	0	0	0	0				
16	0	0.6	+	0	0	0	0	0				
17	0	0	0	0	0	0	0	0				
18	0	0	0	0	0	0	0					
19	0	0	0	0	0	0	0					
20	0	0	0	0	0	0	0					
21	0	1.4	+	0	0	0	0					
22	0	0		0	0	0	0					
23	0	0	0+	0	1.0	0	0	STOPPED FOR SUMMER				
24	0	0	0	0	0	0	0					
25	0	0	+	7.5	0	0	0					
26	0	0	+	43	0	0	+					
27	0	0	+	6.3	0	0	+					
28	0	0	0	0	0	0	0					
29	0	0	0	0	0	0	0					
30	0	0	0	0.6		+	0					
31	0		0	0.2		+						
	0	2.8	1.8	57.6	1.0	+	3.1	5.7	0	0	0	0
MEAN	0	0.09	0.06	1.86	0.03	+	0.10	0.18	0	0	0	0
ACRE-FEET	0	5.6	3.6	114.	2.0	+	6.1	11.	0	0	0	0

Remarks:
+ = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.20
ACRE-FEET 142.

76D74M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

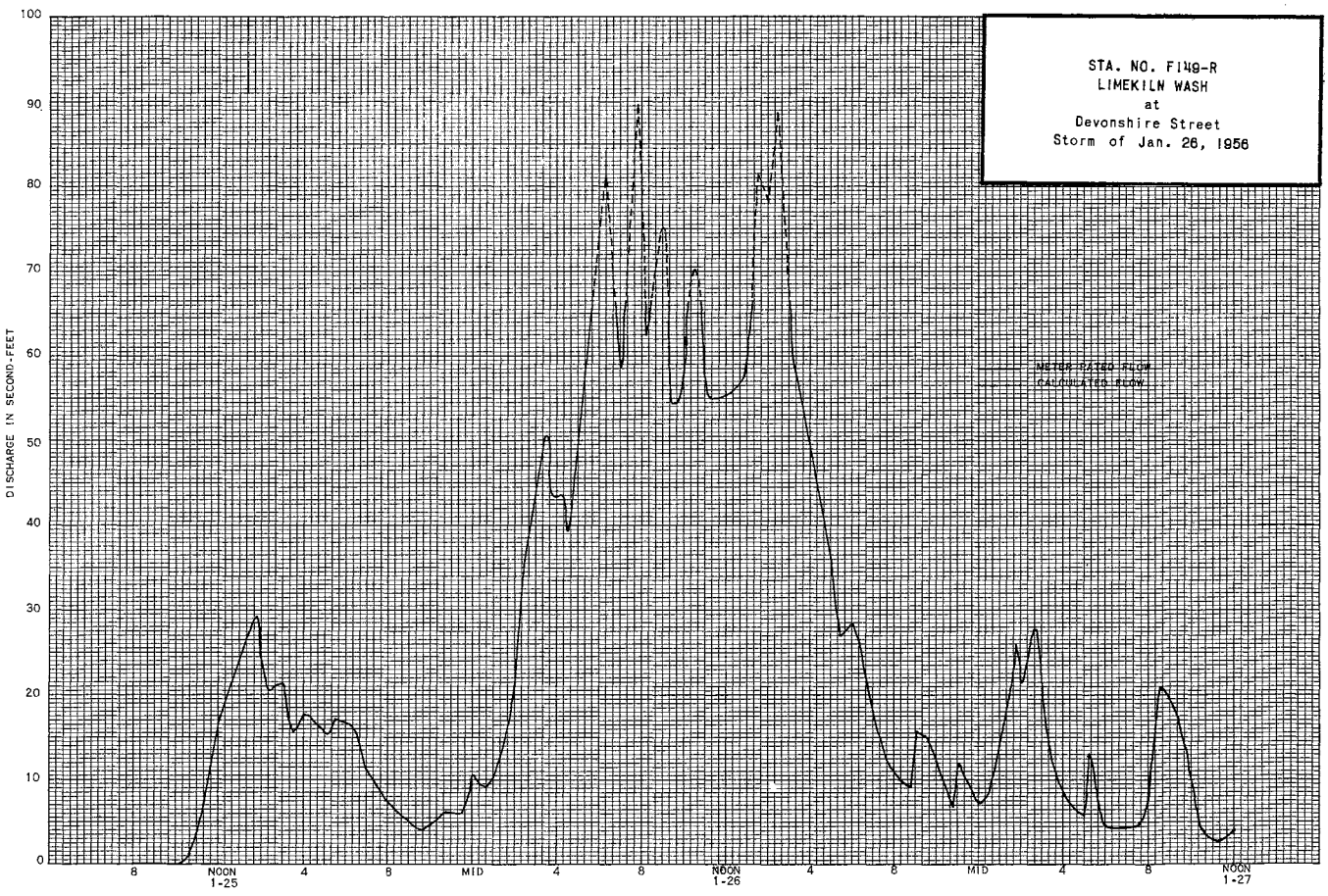
Sta. No. F149-R

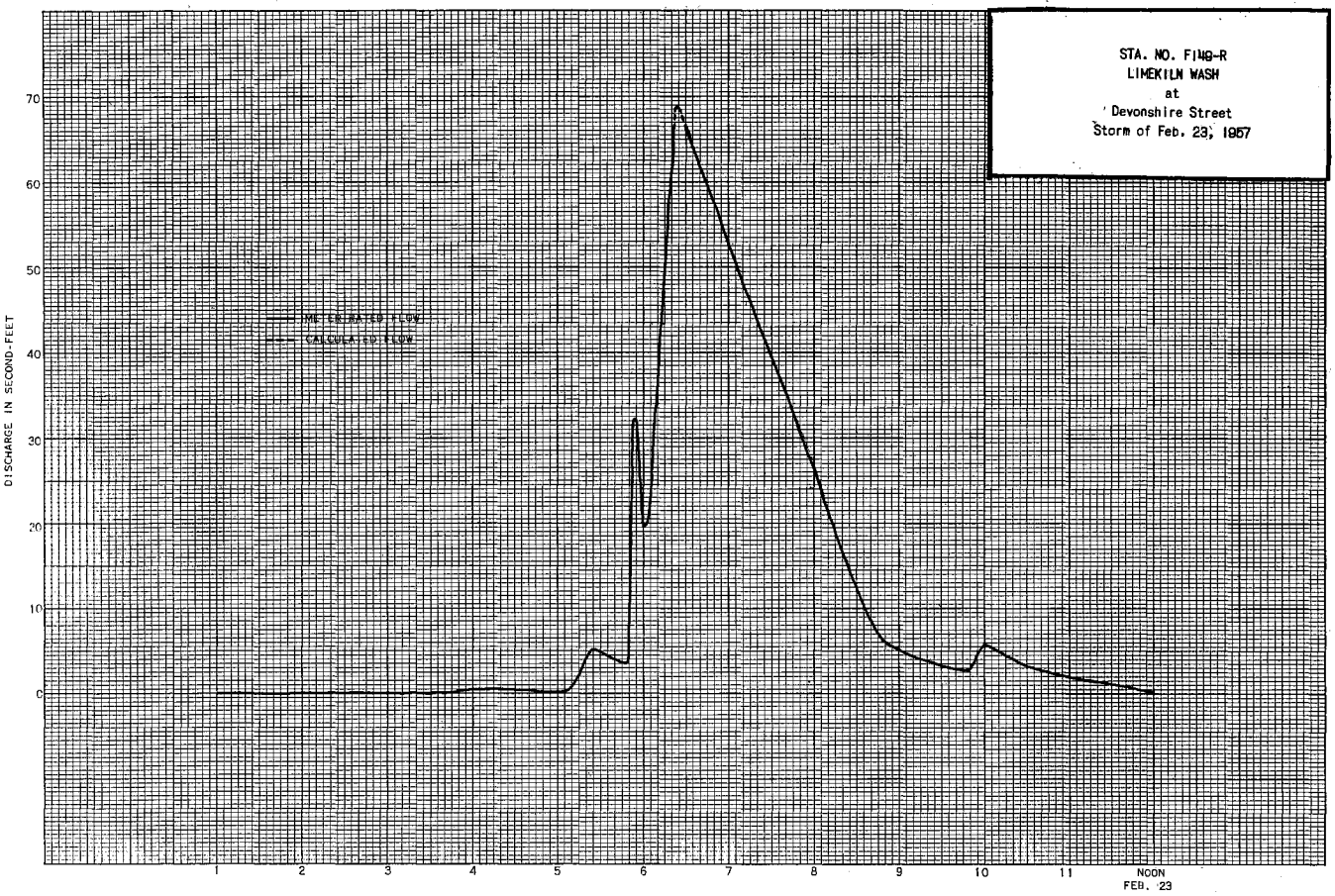
Daily discharge, in second-feet of LIMEKILN CREEK at Devonshire Street, for the year ending September 30, 1957

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0.5	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				
5	+	0	0	+	0	0	0	0				
6	0	0	0	0	0	0	0	0				STOPPED FOR SUMMER
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	0				
11	0	0	+	0	0	0	0	+				
12	0	0		3.2	0	0	0	0				
13	0	0		1.1	0	0	0	+				
14	+	0		0	0	0	0	+				
15	+	0	+	0	0	0	0	+				
16	0	+	0	0	0	1.4	0	0	RECORDER STOPPED FOR SUMMER			0
17	0	+	0	0	0	0	0.3	0				0
18	0	+	0	0	0	0	0.5	+				+
19	0	0	+	0	0	0	0	+				0
20	0	0	0	+	0	0	0.6	0				0
21	0	0	0	0	0	0	+	0				0
22	0	0	0	0	0	0	0	0				0
23	0	0	0	0	5.2	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	2.8	.0	0	0	0				0
27	0	0	0	+	0	0	0	0				+
28	0	0	0	0	7.9	0	0	0				0
29	+	0	0	+		0	0	+				0
30	+	0	0	0		0	0	+				0
31	0		0	0		0		+				
	+	+	+	17.0	13.1	1.9	1.4	+	+	0	0	+
MEAN	0	0	0	0.55	0.47	0.06	0.05	+	+	0	0	+
ACRE-FEET	+	+	+	34.	26.	3.8	2.8	+	+	0	0	+

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.09
ACRE-FEET 67.





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 - RUBBLE AND CONCRETE CHECK IN CHANNEL BOTTOM.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM BRIDGE CROSSING 122 FEET BELOW STATION.

RECORDER: INSTALLED JANUARY 1929 AT STATION F65-R AT MOUTH OF CANYON (DRAINAGE AREA 3.3 SQUARE MILES). REMOVED NOVEMBER 23, 1938. REINSTALLED NOVEMBER 30, 1938 AT STATION F65B-R OVER A 21-INCH DIAMETER CORRUGATED IRON PIPE STILLING WELL. IN OCTOBER 1950 THE CORRUGATED IRON PIPE STILLING WELL WAS REPLACED WITH A 2'X 2' CONCRETE WELL SET IN CHANNEL WALL. AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1955 TO SEPTEMBER 30, 1957.

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:
1955-56
MAXIMUM 180 SECOND-FEET JANUARY 26.
MINIMUM NO FLOW FOR SEVERAL MONTHS.
1956-57
MAXIMUM 12.2 SECOND-FEET JANUARY 13.
MINIMUM NO FLOW FOR SEVERAL MONTHS.
1929-57
MAXIMUM 960 SECOND-FEET, ESTIMATED MARCH 2, 1938
MINIMUM NO FLOW SEVERAL MONTHS EACH YEAR.

ACCURACY: FAIR.

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~~ 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.
658	1/25	1850 / 1858	MIDDLETON-LANPHEAR	2.0	0.46	0.82	0.27	0.38		.6	5	.02	FC54
659	1/25	2200 / 2204	" "	1.5	0.26	0.84	0.22	0.22		.5	4	0	"
660	1/26	0740 / 0748	" "	6.5	2.18	2.94	0.56	6.4		.6	8	0	"
661	1/26	1112 / 1124	" "	14.2	6.36	3.14	0.76	20.0		.6	15	0	"
662	1/26	1518 / 1529	" "	TWO CHANNELS			1.30	91.4		EST. .6	10	+.10	"
663	1/26	2002 / 2017	" "	16.0	8.62	4.10	1.08	35.3		.6	10	-.04	"
664	1/27	1515 / 1520	TREAT-LEVY	7.0	3.15	2.80	0.61	8.8		.6	8	-.01	FC45
665	1/30	1330 / 1340	MIDDLETON	5.0	1.52	1.18	0.37	1.8		.6	10	0	FC54
666	1/31	1832 / 0840	MIDDLETON-LANPHEAR	5.0	1.32	0.91	0.36	1.2		.6	10	0	"
667	2/2	0840 / 0848	MIDDLETON	4.8	1.15	0.77	0.33	0.88		.6	10	0	"
668	2/9	0734 / 0740	"	3.3	0.63	0.70	0.30	0.44		.6	8	0	FC49
669	2/15	0824 / 0832	"	3.1	0.36	0.72	0.27	0.26		.6	7	0	"
670	2/23	0857 / 0906	"	3.4	0.74	0.85	0.31	0.63		.6	8	0	"
671	3/2	0852 / 0858	"	3.1	0.51	0.65	0.27	0.33		.6	7	0	"
672	3/8	0804 / 0813	"	2.7	0.42	0.67	0.28	0.28		.6	8	0	"
673	3/15	0840 / 0848	"	2.1	0.31	0.65	0.25	0.20		.6	8	0	"
674	3/23	0836 / 0844	MIDDLETON-SJOSTEDT	0.9	0.10	1.00	0.24	0.10		.6	6	0	"
675	3/29	0823 / 0827	MIDDLETON	0.9	0.07	0.86	0.22	0.06		.6	5	0	"
676	4/5	0858 / 0902	"	0.8	0.07	0.86	0.22	0.06		.6	5	0	"
677	4/12	1418 / 1423	"	3.1	0.81	1.06	0.34	0.86		.6	7	+.01	FC54
678	4/12	2056 / 2100	MIDDLETON-TREAT	5.6	1.58	1.39	0.42	2.2		.6	7	0	"
679	4/14	0733 / 0735	MIDDLETON	3.3	0.65	0.77	0.30	0.50		.6	8	0	FC49
680	4/19	0842 / 0848	"	1.6	0.26	0.81	0.25	0.21		.6	6	0	"
681	4/26	0919 / 0925	MIDDLETON	2.1	0.34	1.00	0.28	0.34		.6	6	0	FC49
682	5/4	0855 / 0905	SADDORIS	1.4	0.20	0.80	0.24	0.16		.6	6	0	FC50
863	5/9	1507 / 1514	MIDDLETON	3.5	1.03	1.17	0.36	1.2		.6	8	-.02	FC54
684	5/10	1415 / 1423	"	3.3	0.63	0.90	0.30	0.57		.6	8	0	FC49
685	5/17	0930 / 0936	"	1.6	0.16	0.75	0.24	0.12		.6	7	0	"
686	5/24	0842 / 0848	"	1.4	0.13	0.62	0.22	0.08		.6	6	0	"
687	5/31	0958 / 1002	"	1.2	0.09	0.78	0.22	0.07		.6	5	0	"
688	6/7	0922 / 0927	"	0.80	0.06	0.33	0.18	0.02		.6	5	0	"

DISCHARGE MEASUREMENTS OF LITTLE DALTON CREEK

~~AT~~ NEAR above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1957

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.
689	1/13	0335 / 0342	MIDDLETON-MC BRIDE	4.5	1.23	1.79	0.36	2.2		.6	8	0	FC54
690	1/13	1500 / 1508	TREAT-MIDDLETON	4.0	1.01	0.82	0.33	0.83		.5	8	0	"
691	1/14	1503 / 1515	MC BRIDE-MIDDLETON	1.4	0.17	1.00	0.24	0.17		.6	6	0	FC49
692	1/17	0845 / 0848	MIDDLETON	0.6	0.04	0.50	0.19	0.02		.5	4	0	"
693	1/20	1432 / 1438	MIDDLETON-MC BRIDE	1.5	0.18	0.03	0.23	0.15		.6	6	0	"
694	1/24	0947 / 0953	MIDDLETON	1.2	0.09	0.44	0.20	0.04		.6	5	0	"
695	1/26	1032 / 1043	"	2.5	0.53	1.53	0.30	0.81		.6	9	0	"
696	1/30	1147 / 1158	MC BRIDE-MIDDLETON	2.5	0.41	0.93	0.26	0.38		.6	8	0	"
697	2/7	0848 / 0853	ROY-MIDDLETON	1.5	0.18	0.72	0.24	0.13		.5	6	0	"
698	2/14	0804 / 0810	MIDDLETON	0.8	0.06	1.00	0.22	0.06		.5	5	0	"
699	2/20	0857 / 0903	BOWMAN-MIDDLETON	1.0	0.09	0.44	0.21	0.04		.5	5	0	"
700	2/23	1125 / 1134	MIDDLETON	4.0	1.24	1.70	0.42	2.1		.6	8	-.02	FC54
701	2/28	0843 / 0847	"	1.7	0.27	1.11	0.25	0.30		.6	5	0	FC49
702	2/28	1852 / 1903	"	3.8	0.80	1.38	0.34	1.1		.6	8	0	"
703	3/1	1125 / 1133	BROOK-MIDDLETON	3.0	0.84	1.14	0.36	0.96		.6	7	0	FC54
704	3/7	1545 / 1555	SARASUA-MIDDLETON	2.8	0.49	0.78	0.28	0.38		.6	8	0	FC49
705	3/14	0925 / 0935	" "	1.5	0.25	1.08	0.29	0.27		.6	6	0	"
706	3/21	1310 / 1318	" "	1.8	0.30	0.70	0.28	0.21		.6	6	0	"
707	4/4	1412 / 1416	" "	0.8	0.09	0.33	0.20	0.03		.5	5	0	"
708	4/17	1536 / 1542	" "	0.8	0.07	0.85	0.19	0.06		.5	5	0	"
709	4/24	0930 / 0937	" "	1.5	0.17	0.88	0.22	0.15		.5	6	0	"
710	5/3	0803 / 0817	MIDDLETON	0.8	0.06	0.50	0.20	0.03		.5	5	0	"
711	5/9	0840 / 0845	SARASUA-MIDDLETON	0.6	0.04	0.50	0.18	0.02		.5	4	0	"
712	5/16	0845 / 0850	M[illegible]LETON-SARASUA	0.6	0.04	0.75	0.20	0.03		.5	4	0	FC49
713	5/23	0812 / 0818	SARASUA-MIDDLETON	1.0	0.11	1.55	0.24	0.17		.5	6	0	"
714	5/29	1500 / 1505	MIDDLETON-SARASUA	0.8	0.06	0.83	0.20	0.05		.5	5	0	"
715	6/10	1105 / 1110	SARASUA	0.6	0.02	1.0	0.20	0.02		.5	4	0	"
716	6/13	0905 / 0910	"	0.6	0.03	0.66	0.19	0.02		.5	4	0	"

FSD714M C-b 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 56

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0.9	b 0.4	0.1	0.3	+	0	0	0
2	0	0	0	0	0.8	b 0.3	0.2	0.2	|	0	0	0
3	0	0	0	0	0.6	0.4	0.1	0.2	|	0	0	0
4	0	0	0	0	0.6	0.4	+	0.2	|	0	0	0
5	0	0	0	0	0.6	0.4	+	0.2	|	0	0	0
6	0	0	0	0	0.6	0.3	0.1	0.2	|	0	0	0
7	0	0	0	0	0.5	0.3	0.1	0.2	|	0	0	0
8	0	0	0	0	0.4	0.3	0.1	0.2	|	0	0	0
9	0	0	0	0	0.4	0.2	0.1	1.0	|	0	0	0
10	0	0	0	0	0.3	c 0.2	0.1	0.7	+	0	0	0
11	0	0	0	0	0.3	0.2	0.1	0.6	0	0	0	0
12	0	0	0	0	0.3	0.1	0.8	0.5	0	0	0	0
13	0	0	0	0	0.3	0.1	1.1	0.4	0	0	0	0
14	0	0	0	0	0.3	c 0.1	0.5	0.3	0	0	0	0
15	0	0	0	0	0.3	0.1	0.4	0.3	0	0	0	0
16	0	0	0	0	0.3	0.1	0.3	0.1	0	0	0	0
17	0	0	0	0	0.3	+	0.3	0.1	0	0	0	0
18	0	0	0	0	0.3	+	0.2	0.1	0	0	0	0
19	0	0	0	0	0.3	0.1	0.2	0.1	0	0	0	0
20	0	0	0	0	0.3	0.1	0.1	0.1	0	0	0	0
21	0	0.1	0	0	0.3	+	0.1	+	0	0	0	0
22	0	0	0	0	0.3	0.1	+	|	0	0	0	0
23	0	0	0	0	1.7	+	0.1	|	0	0	0	0
24	0	0	0	0	1.1	+	0.1	|	0	0	0	0
25	0	0	0	0.1	0.9	+	0.1	|	0	0	0	0
26	0	0	0	5.0	b 0.8	0.1	0.6	|	0	0	0	0
27	0	0	0	1.5	0.7	0.1	0.5	|	0	0	0	0
28	0	0	0	2.7	0.6	+	0.4	|	0	0	0	0
29	0	0	0	2.0	b 0.5	+	0.3	|	0	0	0	0
30	0	0	0	1.6		+	0.3	|	0	0	0	0
31	0		0	1.1		0.1		+		0	0	
	0	0.1	0	72.5	15.6	4.5	7.4	6.0	+	0	0	0
MEAN	0	.003	0	2.34	0.54	0.15	0.25	0.19	+	0	0	0
ACRE-FEET	0	0.2	0	144.	31.	8.9	15.	12.	+	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.29
ACRE-FEET 211.

FSD714M C-b 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

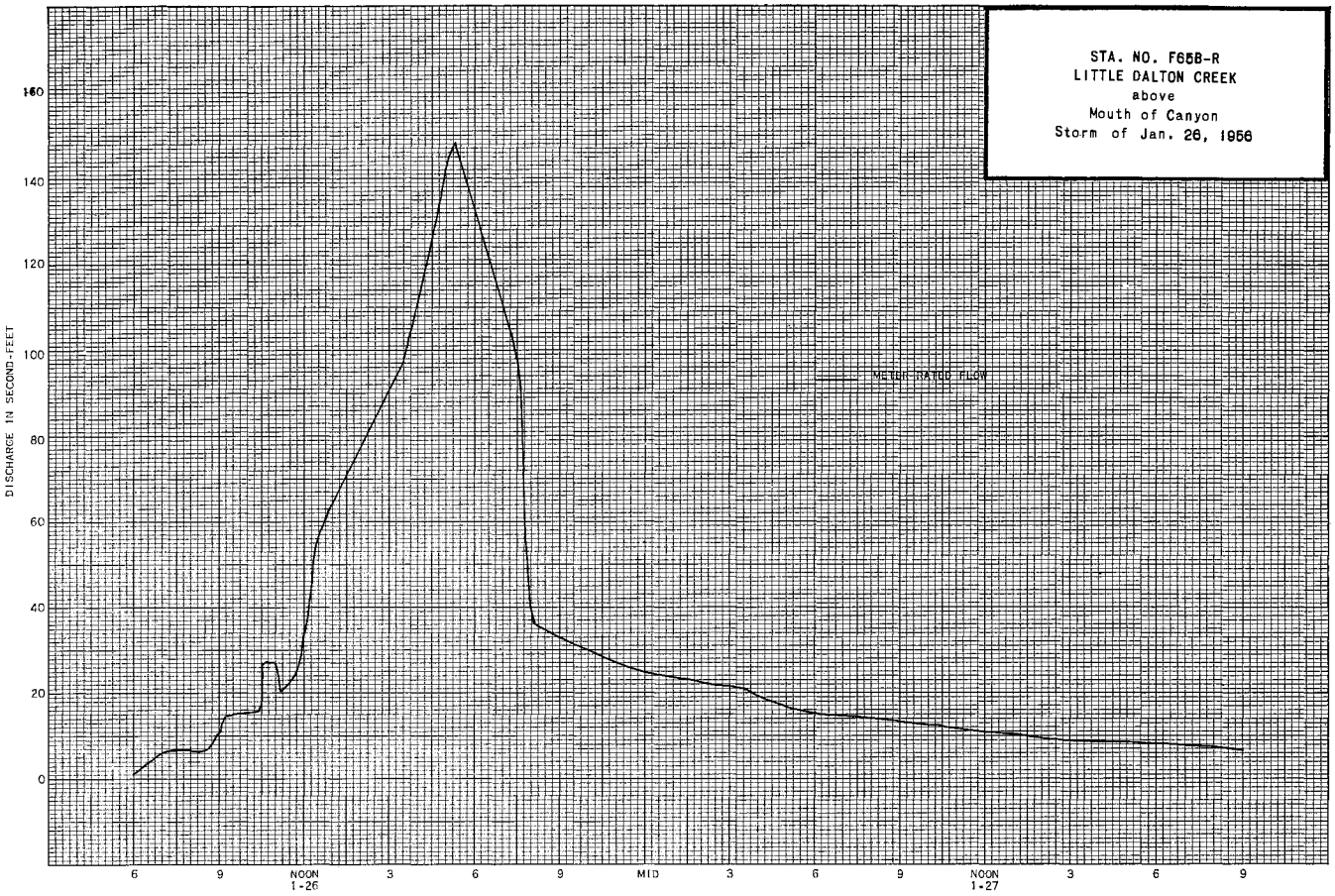
Sta. No. F65B-R

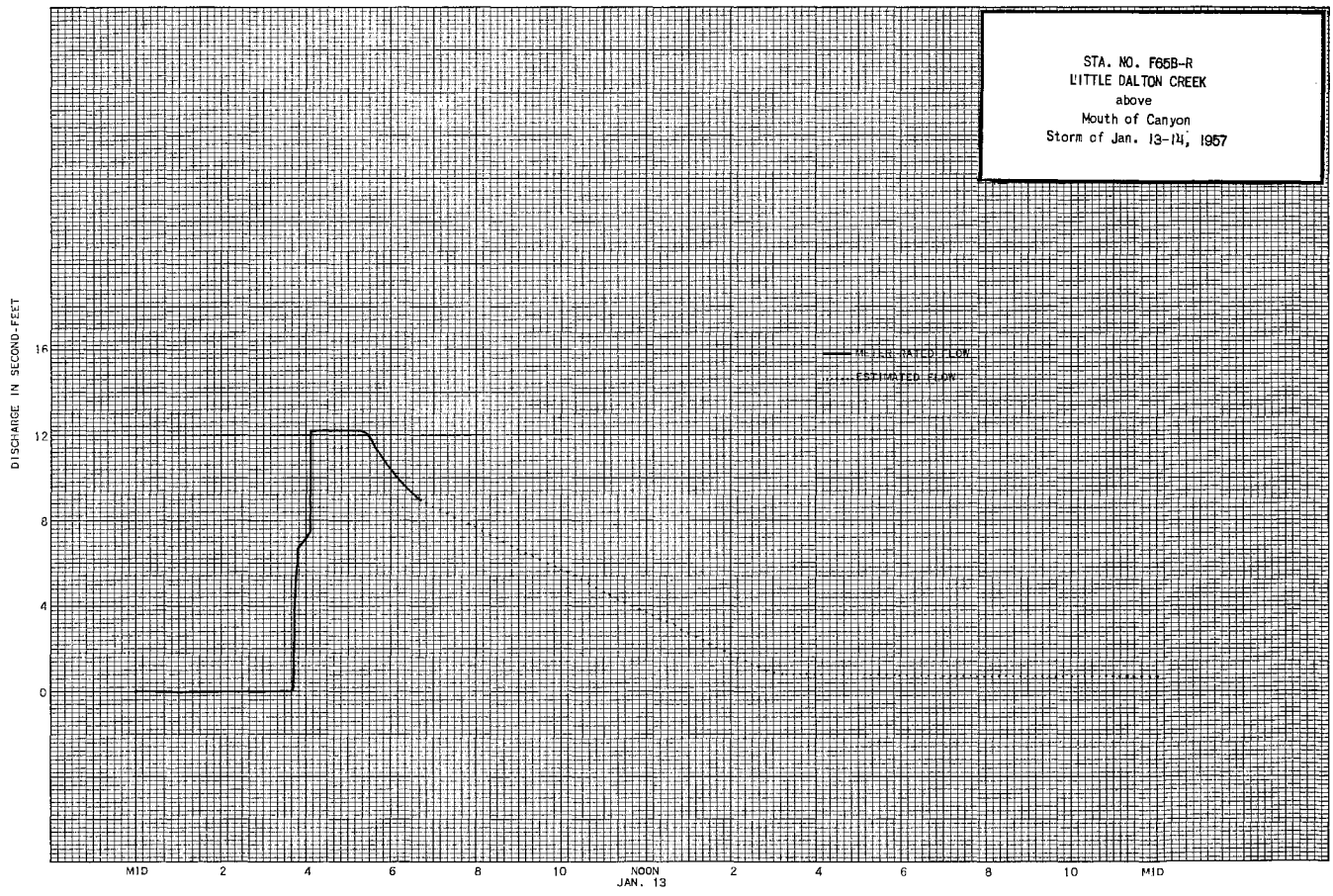
Daily discharge, in second-feet of LITTLE DALTON CREEK above Mouth of Canyon, for the year ending September 30, 19 57

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0.3	1.6	0.1	+	+	0	0	0
2	0	0	0	0	0.3	0.9	0.1	|	|	0	0	0
3	0	0	0	0	0.3	0.8	0.1	|	|	0	0	0
4	0	0	0	0	0.3	0.8	0.1	|	|	0	0	0
5	0	0	0	0	0.2	0.8	+	|	|	0	0	0
6	0	0	0	0	0.1	0.8	|	|	|	0	0	0
7	0	0	0	0	0.1	0.7	|	|	|	0	0	0
8	0	0	0	0	0.1	0.7	+	|	|	0	0	0
9	0	0	0	0	0.2	1.1	0.1	|	|	0	0	0
10	0	0	0	0	0.1	0.9	0.1	|	|	0	0	0
11	0	0	0	0	0.1	0.6	0.1	|	|	0	0	0
12	0	0	0	0	0.1	0.5	0.1	|	|	0	0	0
13	0	0	0	3.3	0.1	0.4	0.1	|	|	0	0	0
14	0	0	0	0.2	0.1	0.3	0.1	|	|	0	0	0
15	0	0	0	0.2	0.1	0.3	0.1	|	|	0	0	0
16	0	0	0	0.1	0.1	0.4	0.1	|	|	0	0	0
17	0	0	0	+	0.1	0.4	0.1	|	+	0	0	0
18	0	0	0	+	0.1	0.4	0.1	+	0	0	0	0
19	0	0	0	+	0.1	0.3	0.1	0.7	0	0	0	0
20	0	0	0	0.1	+	0.2	0.8	0.3	0	0	0	0
21	0	0	0	0.2	+	0.2	1.1	0.2	0	0	0	0
22	0	0	0	0.1	+	0.2	0.3	0.2	0	0	0	0
23	0	0	0	+	1.1	0.1	0.2	0.2	0	0	0	0
24	0	0	0	+	0.7	0.1	0.2	0.1	0	0	0	0
25	0	0	0	0.1	0.4	0.1	+	0.1	0	0	0	0
26	0	0	0	0.7	0.4	0.1	|	+	0	0	0	0
27	0	0	0	0.6	0.4	0.1	|	|	0	0	0	0
28	0	0	0	0.4	0.8	0.1	|	|	0	0	0	0
29	0	0	0	0.4		0.1	|	|	0	0	0	0
30	0	0	0	0.4		0.1	+	|	0	0	0	0
31	0		0	0.4		0.1		+		0	0	
	0	0	0	7.2	6.7	14.2	4.1	1.8	+	0	0	0
MEAN	0	0	0	0.24	0.24	0.46	0.14	0.06	+	0	0	0
ACRE-FEET	0	0	0	14.	13.	28.	8.1	3.6	+	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.09
ACRE-FEET 67.


STA. NO. F65B-R
LITTLE DALTON CREEK
above
Mouth of Canyon
Storm of Jan. 26, 1956
DISCHARGE IN SECOND-FEET
160
140
120
100
80
60
40
20
0
METER RATED FLOW
6
9
NOON
1-26
3
6
9
MID
3
6
9
NOON
1-27
3
6
9


STA. NO. F65B-R
LITTLE DALTON CREEK
above
Mouth of Canyon
Storm of Jan. 13-14, 1957
DISCHARGE IN SECOND-FEET
16
12
8
4
0
METER RATED FLOW
ESTIMATED FLOW
MID
2
4
6
8
10
NOON
JAN. 13
2
4
6
8
10
MID

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 2 MILES ABOVE LITTLE ROCK PALMDALE IRRIGATION DISTRICT'S DAM, APPROXIMATELY 1500 FEET UPSTREAM FROM SANTIAGO CREEK AND 5 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. NO ARTIFICIAL CONTROL.

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

RECORDER: INSTALLED SEPTEMBER 1930. WASHED OUT DURING MARCH 2, 1938 STORM. REINSTALLED MARCH 31, 1939. STATION DISMANTLED MAY 20, 1943 AND MOVED ABOUT 500 FEET UPSTREAM OVER A 24-INCH CORRUGATED IRON PIPE STILLING WELL. A STEVENS A35 WAS IN SERVICE FROM OCTOBER 1, 1955 TO SEPTEMBER 30, 1957.

REGULATION: NONE.

RECORDS AVAILABLE: OCTOBER 1, 1930 TO SEPTEMBER 30, 1957.

EXTREMES OF DISCHARGE:

1955-56
MAXIMUM 1050 SECOND-FEET JANUARY 26.
MINIMUM NO FLOW SEPTEMBER AND PART OF OCTOBER AND AUGUST.

1956-57
MAXIMUM 1040 SECOND-FEET JANUARY 13.
MINIMUM NO FLOW SEVERAL MONTHS.

1930-57
MAXIMUM 1700 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

~~AT~~ NEAR above Little Rock 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.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
409	10/27	1225 / 1230	TURNER	1.2	0.08	0.50	3.12	0.04		.5	5	0	FC60
410	11/9	1005 / 1015	WHISLER	6.5	1.84	0.43	3.35	0.79		.5/.6	8	0	FC59
411	11/23	1038 / 1048	"	7.0	3.01	0.93	3.52	2.8		.5/.6	10	0	"
412	12/7	1003 / 1018	"	7.7	3.54	1.19	3.58	4.2		.5/.6	10	0	"
413	12/21	1002 / 1015	"	7.5	3.57	0.78	3.52	2.8		.6	12	0	"
414	1/4	0954 / 1003	"	7.5	3.38	0.98	3.57	3.3		.5/.6	11	0	"
415	1/18	1042 / 1052	"	7.5	3.17	0.91	3.53	2.9		.6	9	0	"
416	1/26	0917 / 0933	WHISLER-ROGERS	36.0	47.6	2.98	5.31	141.		.6	21	+.08	FC5
417	1/26	1635 / 1700	" "	62.0	128.	6.98	6.90	893.		.6	14	0	"
418	1/27	1422 / 1448	" "	45.0	68.7	3.47	5.48	238.		.6	25	-.01	"
419	1/29	1345 / 1407	WHISLER	32.0	29.2	1.71	4.34	50.		.6	18	0	"
420	1/31	0716 / 0730	WHISLER ROGERS	32.0	24.2	1.34	4.09	32.5		.6	18	0	"
421	2/2	1038 / 1052	WHISLER	18.5	21.2	.96	3.88	20.4		.6	16	0	"
422	2/8	1000 / 1015	"	17.8	17.0	0.72	3.68	12.3		.6	19	0	FC59
423	2/15	0942 / 1001	"	16.7	15.6	.60	3.60	9.3		.6	19	0	"
424	2/21	0958 / 1014	"	17.0	14.8	0.56	3.54	8.2		.6	18	0	"
425	2/29	0943 / 1000	"	19.5	12.4	0.73	3.57	9.0		.5/.6	16	0	"
426	3/7	0948 / 1005	"	19.0	11.7	0.60	3.51	7.0		.5/.6	18	0	"
427	3/14	0950 / 1008	"	16.0	13.4	0.47	3.48	6.3		.6	18	0	"
428	3/21	0955 / 1014	SJOSTEDT-WHISLER	16.7	13.2	0.44	3.45	5.8		.6	19	0	"
429	3/28	0955 / 1015	WHISLER	16.0	12.6	0.38	3.42	4.8		.6	18	0	"
430	4/5	0932 / 0950	"	16.0	12.6	0.40	3.42	5.1		.6	18	0	"
431	4/11	0950 / 1007	"	16.5	12.4	0.36	3.41	4.5		.6	20	0	"
432	4/14	1036 / 1059	"	16.7	16.0	0.63	3.63	10.8		.6	20	0	"
433	4/20	1005 / 1030	WHISLER	20.0	27.8	1.52	4.25	42.2		.6	22	0	"
434	4/26	1016 / 1036	"	19.0	21.9	1.00	3.93	21.8		.6	20	0	"
435	5/2	0930 / 0955	"	17.5	19.3	0.89	3.80	17.1		.6	19	0	"
436	5/11	0910 / 0930	"	19.5	25.6	1.25	9.12	32.1		.6	20	0	"
437	5/16	0923 / 0952	"	18.0	19.2	0.85	3.78	16.3		.6	20	0	"
438	5/31	1003 / 1024	"	16.5	14.6	0.42	3.49	6.2		.6	19	0	"
439	6/13	0955 / 1011	SJOSTEDT-WHISLER	16.5	10.5	0.30	3.32	3.1		.6	18	0	"
440	6/27	1030 / 1040	SJOSTEDT	3.0	1.29	1.16	3.20	1.5		.5/.6	18	0	"
441	7/11	1050 / 1100	"	2.9	0.76	0.57	3.06	0.43		.6	8	0	"
442	7/25	0920 / 0924	WHISLER	1.8	0.22	0.59	3.00	0.13		.5	5	0	"
443	8/8	0922 / 0925	"	1.5	0.10	0.30	3.00	0.03		.5	4	0	"

DISCHARGE MEASUREMENTS OF LITTLE ROCK CREEK

~~AT~~ NEAR above Little Rock Dam 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.	G. HT. CHANGE TOTAL	METER NO.
444	11/28	1013 / 1023	WHISLER	3.2	0.93	1.08	3.15	1.0		.5	10	0	FC59
445	12/12	1105 / 1112	"	3.4	1.49	1.21	3.20	1.8		.5	10	0	"
446	12-26	0852 / 0902	"	2.7	1.27	1.26	3.20	1.6		.5	9	0	"
447	1/5	1000 / 1010	WHISLER-FEIKER	4.0	2.05	1.07	3.25	2.2		.6	10	0	"
448	1/9	0922 / 0932	WHISLER-BOWMAN	4.3	2.48	1.45	3.36	3.6		.5	11	0	"
449	1/13	0737 / 0807	WHISLER-FEIKER	68.0	117.	5.34	6.48	624.		.6	16	-.10	FC5
450	1/14	1132 / 1153	WHISLER	39.5	25.4	2.07	4.51	52.6		.6	24	0	"
451	1/16	0918 / 0936	"	19.0	15.0	1.38	4.01	20.7		.6	20	0	FC59
452	1/20	1520 / 1545	BOWMAN-WHISLER	18.3	12.1	0.84	3.76	10.1		.6	17	0	"
453	1/23	0848 / 0904	WHISLER	15.0	8.46	0.95	3.67	8.0		.6	16	0	"
454	1/30	1058 / 1112	WHISLER-BROOK	14.5	7.43	0.89	3.61	6.6		.6	14	0	"
455	2/6	0853 / 0912	WHISLER	16.0	9.31	0.92	3.70	8.6		.6	17	0	"
456	2/13	0836 / 0905	"	19.5	19.4	1.65	4.21	31.9		.6	20	0	"
457	2/20	0958 / 1017	WHISLER-BROOK	18.0	12.1	1.07	3.84	13.0		.6	19	0	"
458	2/23	1205 / 1216	WHISLER-BOWMAN	26.0	28.5	2.87	4.79	81.8		.6	14	0	FC5
459	2/27	0920 / 0944	WHISLER-MC BRIDE	20.4	19.8	1.40	4.16	27.8		.6	22	0	FC59
460	3/1	0844 / 0904	" "	25.5	24.9	1.93	4.44	48.2		.6	20	0	FC5
461	3/7	0909 / 0935	WHISLER	20.4	19.0	1.23	4.08	23.4		.6	22	0	FC59
462	3/13	0955 / 1012	"	19.0	13.9	1.06	3.90+	14.8		.6	20	0	"
463	3/20	0910 / 0930	"	18.0	12.5	0.94	3.82	11.7		.6	19	0	"
464	3/27	0958 / 1023	WHISLER-LINDSAY	17.5	10.9	0.83	3.73	9.1		.6	20	0	"
465	4/3	1128 / 1145	WHISLER-BOWMAN	17.0	9.87	0.76	3.67	7.5		.6	19	0	"
466	4/10	0856 / 0914	WHISLER	17.0	9.03	0.68	3.62	6.1		.5/.6	18	0	"
467	4/17	0845 / 0905	"	17.0	8.4	0.71	3.59	6.0		.6	18	0	"
468	4/24	0912 / 0930	WHISLER	17.0	10.5	0.83	3.71	8.7		.6	18	0	FC59
469	5/1	0856 / 0917	"	17.0	9.41	0.66	3.64	6.2		.6	18	0	"
470	5/8	0945 / 0957	"	17.0	8.55	0.57	3.60	4.9		.6	12	0	"
471	5/15	0901 / 0918	"	17.0	8.97	0.68	3.62	6.1		.5/.6	18	0	"
472	5/22	0917 / 0932	"	17.0	8.90	0.93	3.66	8.3		.6	18	0	"
473	5/28	0850 / 0906	"	16.3	7.59	0.63	3.53	4.8		.6	18	0	"
474	6/5	0949 / 1000	BOWMAN-WHISLER	9.3	3.18	0.75	3.38	2.4		.5/.6	10	0	"
475	6/12	0838 / 0848	WHISLER	10.0	3.33	0.81	3.38	2.7		.5/.6	11	0	"
476	6/19	0852 / 0900	"	8.0	2.14	0.56	3.24	1.2		.5	9	0	"
477	6/26	0950 / 0955	BOWMAN	2.5	0.40	1.20	3.14	0.48		.5	5	0	"
478	7/10	1430 / 1435	"	1.5	0.15	0.87	3.04	0.10		.5	5	0	"
479	7/24	0856 / 0858	WHISLER	0.9	0.05	0.40	3.00	0.02		.5	4	0	"

7&D74M Gb 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, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	0.6	2.6	3.6	25	8.6	5.4	18	a 6.1	0.8	0.1	0
2	+	0.7	2.7	3.4	20	8.2	5.4	16	5.7	1.0	0.1	0
3	+	0.8	3.0	3.3	18	7.9	5.4	14	5.4	1.0	0.1	0
4	0	0.8	3.3	3.2	16	7.5	5.4	13	5.1	1.0	+	0
5	0	0.8	3.7	3.0	15	7.5	5.2	13	4.9	1.0		0
6	0	0.8	3.7	3.0	14	7.2	b 5.1	12	4.7	1.0		0
7	0	0.7	4.0	3.0	13	7.0	5.0	11	4.4	1.0		0
8	0	0.7	4.2	3.0	12	6.8	4.8	11	4.2	0.9		0
9	0	0.7	3.9	3.0	11	6.5	4.7	21	3.8	0.8		0
10	0	0.8	3.6	3.0	11	6.3	4.6	25	a 3.5	0.6		0
11	0	0.8	3.4	3.0	10	6.3	b 4.5	30	3.2	0.5		0
12	0	0.9	3.4	3.0	9.8	6.3	8.4	26	2.8	0.4		0
13	0	1.2	3.3	3.0	9.6	6.3	13	22	2.6	0.4		0
14	0	1.6	3.2	3.0	9.3	6.3	11	19	2.6	0.4		0
15	0	1.9	3.0	3.0	9.3	6.1	12	17	2.8	0.4		0
16	0	1.9	3.0	3.0	9.1	6.1	17	15	2.8	0.2		0
17	0	1.9	3.0	3.0	8.8	5.8	20	15	2.6	0.2		0
18	0	2.0	2.9	2.9	8.6	5.8	31	13	2.5	0.2		0
19	0	2.0	2.9	2.9	8.6	5.8	27	12	2.3	0.2	+	0
20	0	2.0	2.9	2.9	8.4	5.8	42	11	2.3	0.2	0	0
21	0	2.1	2.9	2.9	8.2	5.8	46	11	2.3	0.2	0	0
22	0	2.7	2.9	2.9	7.9	5.8	40	9.6	2.3	0.2	0	0
23	0	2.7	3.0	2.9	8.4	5.8	36	9.1	2.2	0.2	0	0
24	0	2.6	3.3	2.9	14	5.4	31	8.6	2.0	0.2	0	0
25	0	2.5	3.6	3.1	12	5.2	26	8.4	1.7	0.1	0	0
26	+	2.5	4.0	4.24	11	4.9	26	7.7	1.4	0.1	0	0
27	+	2.4	4.2	2.72	9.8	4.7	36	7.5	1.1	0.1	0	0
28	0.1	2.4	4.2	1.04	9.3	4.7	28	7.0	0.9	c 0.1	0	0
29	0.3	2.4	4.2	55	8.8	4.7	24	6.8	0.6	0.1	0	0
30	0.4	2.5	3.9	38		b 5.1	20	a 6.5	0.6	0.1	0	0
31	0.4		3.7	31		5.4		a 6.3		0.1	0	
	1.2	48.4	105.6	999	335.9	191.6	549.9	422.5	89.4	13.7	0.3	0
MEAN	.039	1.61	3.41	32.3	11.6	6.18	18.3	13.6	2.98	0.44	0.01	0
ACRE-FEET	2.4	96.	209.	1980.	666.	380.	1090.	838.	177.	27.	0.6	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 7.54
ACRE-FEET 5470.

7&D74M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

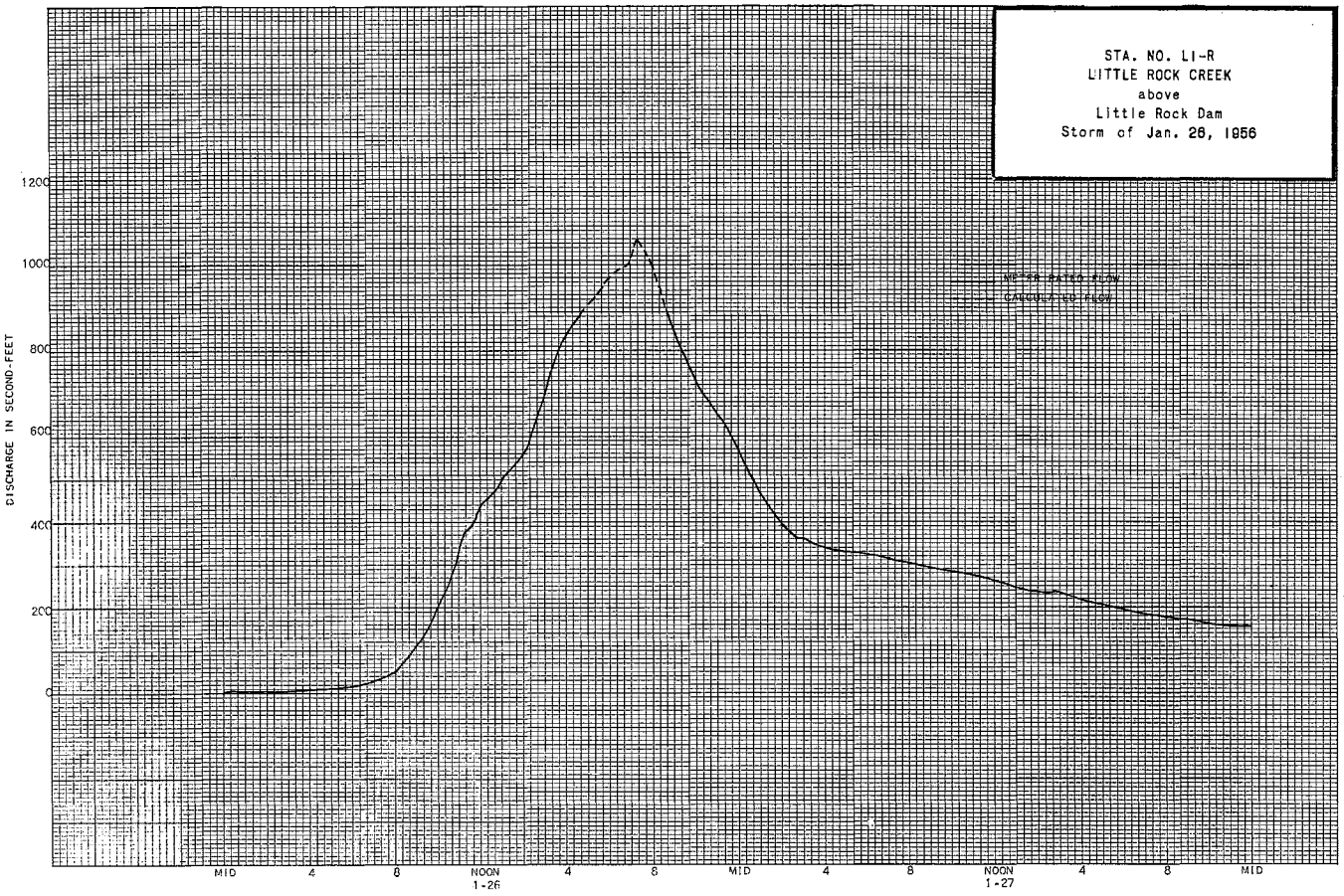
Sta. No. LI-R

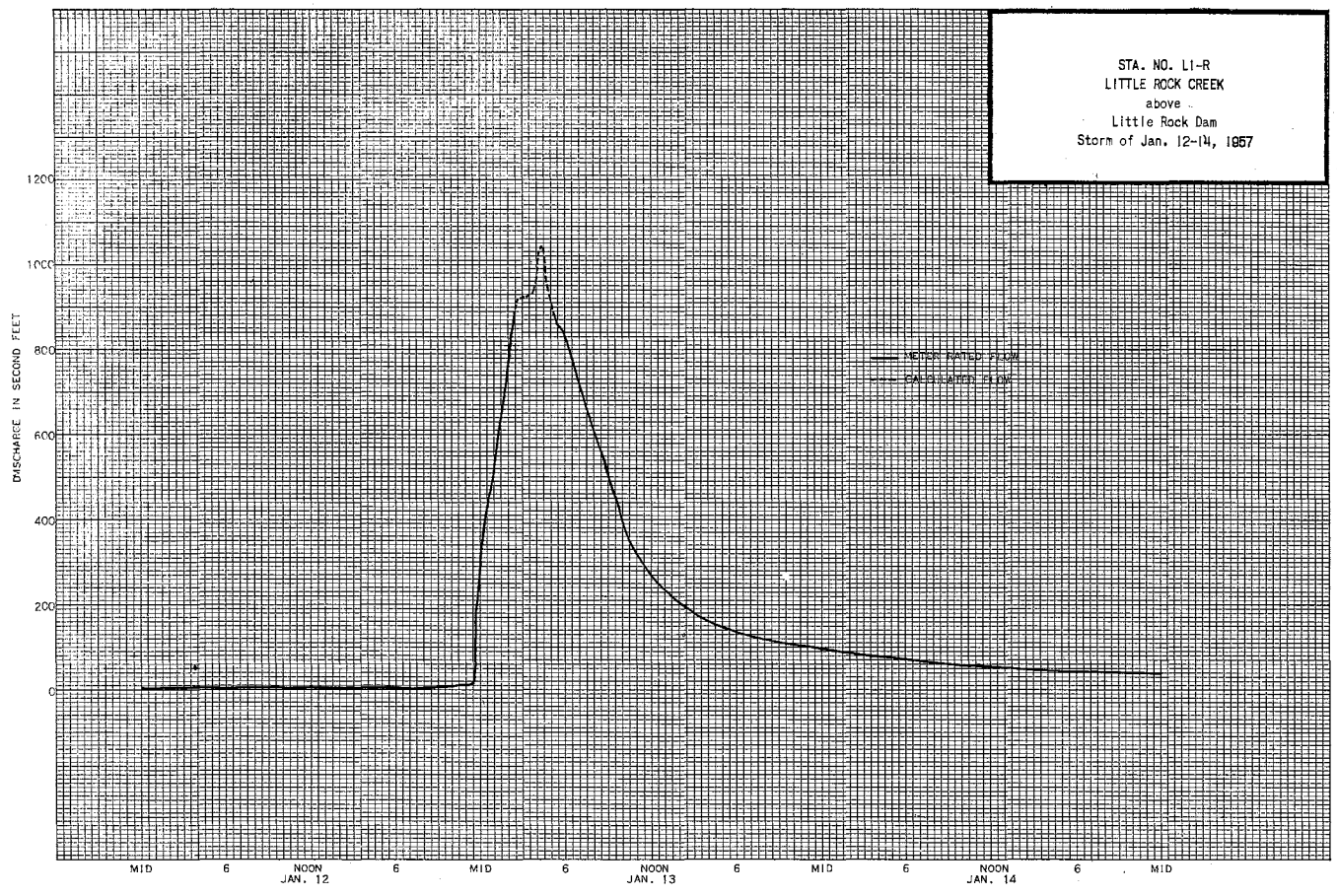
Daily discharge, in second-feet of LITTLE ROCK CREEK above Little Rock Dam, for the year ending September 30, 1957

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	1.0	1.6	7.5	4.6	7.7	6.1	3.4	0.4	0	0
2	0	0	1.1	1.7	8.4	3.9	7.7	5.8	3.0	0.4	0	0
3	0	0	1.2	1.7	8.6	3.4	7.5	5.6	2.6	0.4	0	0
4	0	0	1.2	1.7	8.6	2.9	7.2	5.4	2.3	0.4	0	0
5	0	0	1.2	2.2	8.6	2.6	7.0	4.7	2.2	0.4	0	0
6	0	0	1.4	2.6	8.6	2.5	6.8	4.5	2.2	0.4	0	0
7	0	0	1.7	2.5	8.8	2.3	6.3	4.3	2.2	0.4	0	0
8	0	0	1.7	3.2	10	2.0	6.1	4.1	2.2	0.4	0	0
9	0	0	1.7	3.4	38	2.0	6.1	4.1	2.3	0.4	0	0
10	0	0	1.7	3.8	42	1.9	5.8	4.1	2.8	0.2	0	0
11	0	0	1.7	5.8	42	1.8	5.8	5.2	2.8	0.2	0	0
12	0	0	1.7	9.1	38	1.6	5.6	5.6	2.2	0.2	0	0
13	0	0	1.7	3.99	31	1.5	5.6	5.2	2.0	0.2	0	0
14	0	0	1.7	56	26	1.4	5.6	5.4	2.0	0.1	0	0
15	0	0	1.4	28	23	1.3	5.8	5.4	2.0	0.1	0	0
16	0	0	1.4	20	19	1.4	5.8	5.2	1.9	0.1	0	0
17	0	0	1.4	14	17	1.4	6.3	4.5	1.7	+	0	0
18	0	0	1.4	12	15	1.2	8.6	4.3	1.2		0	0
19	0	+	1.4	11	14	1.2	7.7	7.6	1.0		0	0
20	0	0.6	1.4	10	13	1.1	7.7	9.8	0.8		0	0
21	0	0.8	1.6	9.3	12	1.1	7.9	8.4	0.8		0	0
22	0	0.9	1.6	8.6	11	1.1	7.7	7.8	0.8		0	0
23	0	1.0	1.6	7.9	47	1.0	7.7	7.5	0.8		0	0
24	0	1.0	1.6	7.7	41	0.98	8.4	6.8	0.6		0	0
25	0	1.0	1.6	7.5	31	0.93	8.4	6.1	0.6		0	0
26	0	1.0	1.6	7.5	30	0.91	8.1	5.4	0.5		0	0
27	0	1.0	1.6	7.2	26	0.88	7.7	4.7	0.5		0	0
28	0	1.0	1.6	7.0	29	0.86	7.7	4.3	0.5		0	0
29	0	1.0	1.6	7.0		0.84	7.0	4.1	0.5		0	0
30	0	1.0	1.6	7.0		0.82	6.5	3.8	0.5	+	0	0
31	0		1.6	7.0		0.77		3.8		0	0	
	0	10.3	46.7	673.0	614.1	521.9	209.8	169.6	48.9	4.7	0	0
MEAN	0	0.34	1.51	21.7	21.9	16.8	6.99	5.47	1.63	0.15	0	0
ACRE-FEET	0	20.	93.	1330.	1220.	1040.	416.	366.	97.	9.3	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 6.30
ACRE-FEET 4560.


STA. NO. L1-R
LITTLE ROCK CREEK
above
Little Rock Dam
Storm of Jan. 26, 1956
METER RATED FLOW
CALCULATED FLOW
DISCHARGE IN SECOND-FEET
1200
1000
800
600
400
200
0
MID
4
8
NOON
1-26
4
8
MID
4
8
NOON
1-27
4
8
MID


STA. NO. L1-R
LITTLE ROCK CREEK
above
Little Rock Dam
Storm of Jan. 12-14, 1957
METER RATED FLOW
CALCULATED FLOW
DISCHARGE IN SECOND FEET
1200
1000
800
600
400
200
0
MID
6
NOON
JAN. 12
6
MID
6
NOON
JAN. 13
6
MID
6
NOON
JAN. 14
6
MID

STATION U3-R
LITTLE SANTA ANITA CREEK above Sierra Madre Dam

LOCATION: WATER-STAGE RECORDER AND CONTROL, LAT. 34°11'13", LONG. 118°02'35". NEAR CENTER OF 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, 1957.

AVERAGE DISCHARGE: 40 YEARS (1916-1925, 1926-1955, 0.86 SECOND-FOOT).

EXTREMES:
1955-56
MAXIMUM DISCHARGE 46 SECOND FEET JAN. 26 (GAGE HEIGHT 1.87 FEET).
MINIMUM DAILY DISCHARGE NO FLOW ON MANY DAYS
1956-57
MAXIMUM DISCHARGE 37. SECOND-FEET FEBRUARY 23. (GAGE HEIGHT 1.75 FEET.)
MINIMUM DISCHARGE 0.1 SECOND-FOOT ON MANY DAYS.
1916-57
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 above Sierra Madre 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.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1131	10/7			U.S.G.S.				0.49	0.04		FLUME			
1132	10/21			"				0.51	0.06		"			
1133	11/3			"				0.51	0.04		"			
1134	11/17			"				0.52	0.10		"			
1135	11/29			"				0.52	0.08		"			
1136	12/17			"				0.54	0.11		"			
1137	12/30			"	1.8	0.46	0.35	0.54	0.16		"	0		
1138	1/11			"				0.52	0.10		"			
1139	1/25			"				0.59	0.25		"			
1140	1/30			"	2.8	0.71	1.98	1.41	1.41	.5	16	0		
1141	2/14			"	2.7	0.72	0.80	0.60	0.58	.5	16	0		
1142	2/27			"	2.5	0.50	1.50	0.63	0.75	.6	15	0		
1143	3/13			"	2.0	0.40	1.10	0.59	0.44	.5	12			
1144	3/28			"	2.0	0.49	0.80	0.56	0.39	.5	12	0		
1145	4/11			"	1.6	0.30	1.23	0.57	0.37	.5	10	0		
1146	4/24			"	1.9	0.57	1.09	0.63	0.62	.5	12	0		
1147	5/7			"	1.9	0.47	1.34	0.64	0.63	.5	12	0		
1148	5/22			"	1.9	0.56	1.30	0.61	0.73	.6	12	0		
1149	6/6			"	1.9	0.55	1.04	0.59	0.57	.5	12	0		
1150	6/19			"	1.9	0.48	0.98	0.56	0.47	.5	12	0		
1151	7/5			"	1.9	0.38	0.71	0.55	0.27	.5	12	0		
1152	7/18			"				0.52	0.26		FLUME			
1153	8/3			"				0.50	0.20		"			
1154	8/14			"				0.48	0.15		FLUME			
1155	8/29			"				0.48	0.19		"			
1156	9/11			"				0.45	0.10		"			
1157	9/25			"				0.44	0.08		"			

DISCHARGE MEASUREMENTS OF LITTLE SANTA ANITA CREEK

NEAR above Sierra Madre Dam DURING THE YEAR ENDING SEPTEMBER 30, 1957

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.
1158	11/1			U.S.G.S.				0.47	0.22		FLUME	0		
1159	11/15			"				0.46	0.10		"	0		
1160	12/6			"	0.6	0.14	1.29	0.52	0.18	.5	5	0		
1161	12/21			"	0.7	0.13	0.92	0.46	0.12	.5	6	0		
1162	1/8			"	2.3	0.59	0.37	0.51	0.22	.5	11	0		
1163	1/13			"	1.4	0.67	2.46	0.80	1.65	.6	6	0		
1164	1/22			"	1.4	0.23	1.13	0.60	0.26	.5	8	-.01		
1165	1/31			"	2.0	0.43	1.58	0.60	0.68	.5	10	0		
1166	2/13			"	1.6	0.25	1.20	0.55	0.30	.5	9	0		
1167	2/28			"	2.6	1.67	2.07	1.03	3.46	.6	8	0		
1168	3/5			"	2.8	0.40	2.55	0.75	1.02	.5	11	0		
1169	3/19			"	1.8	0.33	2.09	0.70	0.69	.5	10	0		
1170	4/3			"	2.2	0.33	1.28	0.68	0.42	.5	12	0		
1171	4/23			"	1.6	0.42	1.80	0.57	0.76	.5	9	0		
1172	5/8			"	1.6	0.28	1.39	0.53	0.39	.5	9	0		
1173	5/22			"	1.6	0.47	1.70	0.60	0.80	.5	9	0		
1174	6/11			"	2.0	0.37	1.11	0.56	0.41	.5	11	-.01		
1175	6/24			"	1.2	0.23	1.09	0.50	0.25	.5	7	0		
1176	7/12			"				0.48	0.18	FLUME				
1177	7/24			"				0.47	0.14	"				
1178	8/6			"				0.44	0.11	"				
1179	8/23			"				0.43	0.08	"				
1180	9/11			"				0.42 0.41	0.06	"				

75D74M Gb 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, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0.3	0.2	1.1	0.6	0.5	0.6	0.6	0.3	0.2	0.1
2	0	0.1	0.2	0.2	1.0	0.6	0.4	0.6	0.6	0.3	0.2	0.1
3	0	0	0.1	0.2	0.9	0.6	0.4	0.6	0.6	0.3	0.2	0.1
4	0	0	0.2	0.1	0.9	0.6	0.3	0.6	0.6	0.3	0.2	0.1
5	0	0	0.4	0.1	0.8	0.6	0.3	0.6	0.5	0.3	0.2	0.1
6	0	0	0.1	0.1	0.8	0.6	0.3	0.6	0.5	0.2	0.2	0.1
7	0	0	0.1	0.1	0.7	0.6	0.3	0.6	0.5	0.2	0.2	0.1
8	0	0	0.1	0.1	0.7	0.5	0.3	0.5	0.5	0.2	0.2	0.1
9	0.1	0	0.1	0.1	0.6	0.5	0.3	1.1	0.5	0.2	0.2	0.1
10	0.1	0	0.1	0.1	0.6	0.5	0.3	0.8	0.5	0.2	0.1	0.1
11	0	0	0.1	0.1	0.6	0.5	0.4	0.7	0.5	0.2	0.1	0.1
12	0	0	0.1	0.1	0.6	0.5	1.4	0.7	0.4	0.2	0.1	0.1
13	0	0.1	0.1	0.1	0.6	0.5	1.4	0.7	0.4	0.2	0.1	0.1
14	0	0.2	0.1	0.1	0.6	0.5	1.1	0.7	0.4	0.3	0.1	0.1
15	0	0.1	0.1	0.1	0.6	0.5	0.8	0.7	0.5	0.3	0.1	0.1
16	0	0.1	0.1	0.1	0.6	0.4	0.7	0.7	0.5	0.3	0.1	0.1
17	0	0.1	0.1	0.1	0.6	0.4	0.7	0.7	0.5	0.3	0.1	0.1
18	0	0.1	0.1	0.1	0.5	0.4	0.7	0.7	0.4	0.2	0.1	0.1
19	0	0.1	0.1	0.1	0.5	0.4	0.7	0.7	0.4	0.2	0.1	0.1
20	0.1	0.1	0.1	0.1	0.5	0.4	0.7	0.7	0.5	0.2	0.1	0.1
21	0.1	0.2	0.1	0.1	0.5	0.4	0.7	0.7	0.5	0.2	0.1	0.1
22	0.1	0.1	0.1	0.1	0.5	0.4	0.6	0.7	0.4	0.2	0.1	0.1
23	0.1	0.1	0.1	0.2	1.4	0.4	0.6	0.7	0.4	0.2	0.1	0.1
24	0.1	0.1	0.1	0.2	1.0	0.4	0.6	0.7	0.4	0.2	0.1	0.1
25	0.1	0.1	0.2	0.8	0.8	0.4	0.6	0.7	0.4	0.2	0.1	0.1
26	0	0.1	0.2	11	0.8	0.4	0.9	0.7	0.3	0.2	0.2	0.1
27	0.1	0.1	0.2	7.3	0.8	0.4	0.7	0.8	0.3	0.2	0.2	0.1
28	0	0.1	0.2	2.7	0.8	0.4	0.6	0.8	0.3	0.2	0.2	0.1
29	0	0.1	0.2	1.7	0.7	0.4	0.6	0.7	0.3	0.2	0.2	0.1
30	0	0.1	0.2	1.6		0.4	0.6	0.7	0.3	0.2	0.2	0.1
31	0		0.2	1.4		0.4		0.6		0.2	0.2	
	0.9	2.1	4.2	29.4	21.1	14.6	18.5	21.4	13.5	7.1	4.6	3.0
MEAN	0.03	0.07	0.14	0.95	0.73	0.47	0.62	0.69	0.45	0.23	0.15	0.10
ACRE-FEET	1.8	4.2	8.3	58.	42.	29.	37.	42.	27.	14.	9.1	6.0

Remarks:

YEAR OR PERIOD MEAN 0.38
ACRE-FEET 278.

75D74M Gb 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, 1957

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.1	0.2	0.1	0.1	0.6	1.2	0.4	0.5	0.5	0.2	0.1	0.1
2	0.1	0.2	0.1	0.1	0.6	0.7	0.4	0.5	0.5	0.2	0.1	0.1
3	0.1	0.2	0.1	0.1	0.6	0.7	0.5	0.4	0.4	0.2	0.1	0.1
4	0.4	0.2	0.1	0.1	0.5	0.7	0.5	0.4	0.4	0.2	0.1	0.1
5	0.2	0.2	0.3	0.5	0.5	1.0	0.4	0.4	0.4	0.2	0.1	0.1
6	0.1	0.2	0.2	0.2	0.5	0.8	0.4	0.4	0.4	0.2	0.1	0.1
7	0.1	0.2	0.1	0.2	0.4	0.7	0.5	0.4	0.4	0.2	0.1	0.1
8	0.1	0.1	0.1	0.2	0.4	0.7	0.5	0.4	0.4	0.2	0.1	0.1
9	0.1	0.1	0.1	0.2	0.4	1.9	0.5	0.4	0.4	0.2	0.1	0.1
10	0.1	0.1	0.1	0.4	0.4	1.1	0.5	0.4	0.5	0.2	0.1	0.1
11	0.1	0.1	0.1	0.2	0.3	0.9	0.5	0.5	0.5	0.2	0.1	0.1
12	0.1	0.1	0.1	0.7	0.3	0.9	0.5	0.5	0.4	0.2	0.1	0.1
13	0.1	0.1	0.1	5.1	0.3	0.8	0.5	0.5	0.4	0.2	0.1	0.1
14	0.1	0.1	0.1	0.6	0.3	0.8	0.5	0.5	0.4	0.2	0.1	0.1
15	0.1	0.1	0.1	0.5	0.3	0.9	0.5	0.5	0.4	0.2	0.1	0.1
16	0.1	0.1	0.1	0.5	0.3	0.8	0.6	0.4	0.4	0.2	0.1	0.1
17	0.1	0.1	0.1	0.4	0.3	0.7	0.8	0.4	0.3	0.2	0.1	0.1
18	0.1	0.1	0.1	0.3	0.3	0.7	0.8	0.5	0.3	0.2	0.1	0.1
19	0.1	0.1	0.1	0.3	0.3	0.7	0.6	1.9	0.3	0.2	0.1	0.1
20	0.1	0.1	0.1	0.3	0.3	0.7	0.9	0.9	0.3	0.2	0.1	0.1
21	0.1	0.1	0.1	0.3	0.3	0.7	0.8	0.8	0.3	0.1	0.1	0.1
22	0.2	0.1	0.1	0.3	0.3	0.7	0.8	0.8	0.3	0.1	0.1	0.1
23	0.2	0.1	0.1	0.3	4.9	0.6	0.8	0.8	0.3	0.1	0.1	0.1
24	0.2	0.1	0.1	0.4	0.7	0.6	0.7	0.7	0.3	0.1	0.1	0.1
25	0.2	0.1	0.1	0.4	0.6	0.5	0.6	0.7	0.2	0.1	0.1	0.1
26	0.2	0.1	0.1	0.6	0.5	0.5	0.6	0.6	0.2	0.1	0.1	0.1
27	0.2	0.1	0.1	0.6	0.7	0.5	0.5	0.5	0.2	0.1	0.1	0.1
28	0.2	0.1	0.1	0.6	1.1	0.5	0.5	0.5	0.2	0.1	0.1	0.1
29	0.2	0.1	0.1	0.7		0.5	0.5	0.5	0.2	0.1	0.1	0.1
30	0.2	0.1	0.1	0.7		0.5	0.5	0.5	0.2	0.1	0.1	0.1
31	0.2		0.1	0.7		0.5		0.5		0.1	0.1	
	4.5	3.7	3.4	16.6	17.0	23.5	17.1	17.7	10.4	5.1	3.1	3.0
MEAN	0.15	0.12	0.11	0.54	0.61	0.76	0.57	0.57	0.35	0.16	0.10	0.10
ACRE-FEET	8.9	7.3	6.7	33.	34.	47.	34.	35.	21.	10.	6.1	6.0

Remarks:

YEAR OR PERIOD MEAN 0.34
ACRE-FEET 249.

STATION F19-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, 4 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: INSTALLED DECEMBER 1928 OVER AN 18-INCH DIAMETER CORRUGATED IRON PIPE STILLING WELL. AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1955 TO SEPTEMBER 30, 1957.

REGULATION: NONE.

DIVERSIONS: NONE KNOWN.

RECORDS AVAILABLE: DECEMBER 26, 1928 TO SEPTEMBER 30, 1957.

EXTREMES OF DISCHARGE:
1955-56
MAXIMUM 445 SECOND-FEET JANUARY 26.
MINIMUM NO FLOW MOST OF YEAR.
1956-57
MAXIMUM 112 SECOND-FEET FEBRUARY 28.
MINIMUM NO FLOW MOST OF YEAR.
1929-57
MAXIMUM 8500 SECOND-FEET ESTIMATED MARCH 2, 1938.
MINIMUM NO FLOW MOST OF EACH YEAR.

ACCURACY: FAIR.

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 ~~NEAR~~ Foothill Boulevard 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.
513	1/26	1726 / 1800	HYDE-BLAKE		CHANNELS		3.98	286.		FLOATS	0		
514	1/27	1305 / 1316	" "	19.0	7.50	3.28	3.46	24.6	.5	12	-.02	FC35
515	1/31	1254 / 1300	" "	1.4	0.10	1.20	3.20	0.12	.5	4	0	FC60
516	4/12	0805 / 0817	HYDE	15.8	4.04	2.92	3.36	11.8	.5	11	+.05	FC35
517	4/12	1942 / 1954	HYDE-BLAKE	19.0	4.65	2.92	3.45	13.6	.6	11	0	"
518	4/13	1500 / 1510	HYDE	9.0	1.57	2.38	3.30	3.7	.5	9	0	"
519	4/26	1325 / 1330	"	3.5	0.37	1.40	3.12	0.52	.5	7	0	"
520	5/9	1012 / 1020	"	9.5	2.28	2.63	3.34	6.0	.5	11	0	FC35
521	5/9	1045 / 1054	HYDE-BLAKE	10.5	2.41	2.32	3.38	5.6	.5	12	0	"
522	5/9	1530 / 1537	" "	11.5	2.07	1.69	3.20	3.5	.5	9	-.01	"
523	5/10	0830 / 0842	HYDE	10.5	0.95	1.26	3.19	1.2	.5	12	0	FC60

DISCHARGE MEASUREMENTS OF LITTLE TUJUNGA WASH

AT ~~NEAR~~ Foothill Boulevard 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.	G. HT. CHANGE TOTAL	METER NO.
524	1/13	0128 / 0140	HYDE-SALGADO	19.0	5.88	3.08	3.42	18.1		.5	12	0	FC35
525	1/13	0552 / 0605	" "	18.5	4.74	2.47	3.35	11.7		.5	13	+.03	"
526	1/13	1046 / 1055	" "	8.0	1.08	1.48	3.20	1.6		.5	9	0	"
527	1/26	0550 / 0600	HYDE	9.0	1.12	1.96	3.24	2.2		.5	7	0	"
528	2/23	0822 / 0829	HYDE-FEIKER	8.0	1.68	1.90	3.29	3.2		.5	7	-.02	"
529	2/28	1628 / 1633	HYDE-BROOK	8.0	1.10	1.27	3.20	1.4		.5	8	-.05	"
530	2/28	2312 / 2340	HYDE	20.4	12.5	4.95	3.70	62.1		.6	12	-.07	"
531	3/1	0851 / 0855	"	3.5	0.33	1.48	2.98	0.49		.5	6	0	"
532	3/16	1010 / 1015	"	9.0	1.11	1.71	3.18	1.9		.5	7	0	"
533	4/17	2338 / 2343	HYDE-FEIKER	4.5	0.64	1.20	3.17	0.77		.5	7	0	"
534	4/18	1235 / 1240	HYDE	5.0	0.75	1.86	3.23	1.4		.5	6	0	"
535	4/20	2127 / 2130	HYDE-FEIKER	2.80	0.29	1.75	3.18	0.51		.5	4	0	"

76D74M Cdb 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, 1956

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				
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				
8	0	0	0	0	0	0	0	0				
9	0	0	0	0.1	0	0	0	2.5				
10	0	0	0	0	0	0	0	0.9				
11	0	0	0	0	0	0	0	0.7				
12	0	0	0	0	0	0	9.9	+				
13	0	0	0	0	0	0	5.2					
14	0	+	0	0	0	0	0.8					
15	0	0	0	0	0	0	+					
16	0	0	0	0	0	0	0					
17	0	0	0	0	0	0	+	+				
18	0	0	0	0	0	0	+					
19	0	0	0	0	0	0	+					
20	0	0	0	0	0	0	0					
21	0	0	0	0	0	0	0					
22	0	0	0	0	0	0	0					
23	0	0	0	0	0.2	0	0					
24	0	0	0	0	0.1	0	0					
25	0	0	0	0.3	0	0	0					
26	0	0	0	1.2.5	0	0	+					
27	0	0	0	4.2	0	0	+					
28	0	0	0	4.9	0	0	0					
29	0	0	0	0.3	0	0	0					
30	0	0	0	0.1		0	0					
31	0		0	0.5		0						
	0	+	+	173.2	0.3	0	159	4.1				
MEAN	0	+	+	5.59	0.01	0	0.53	0.13	0	0	0	0
ACRE-FEET	0	+	+	344.	0.6	0	32.	8.1	0	0	0	0

STOPPED FOR SUMMER

STOPPED FOR SUMMER EST. "0" FLOW

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.53
ACRE-FEET 385.

76D74M Cdb 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, 1957

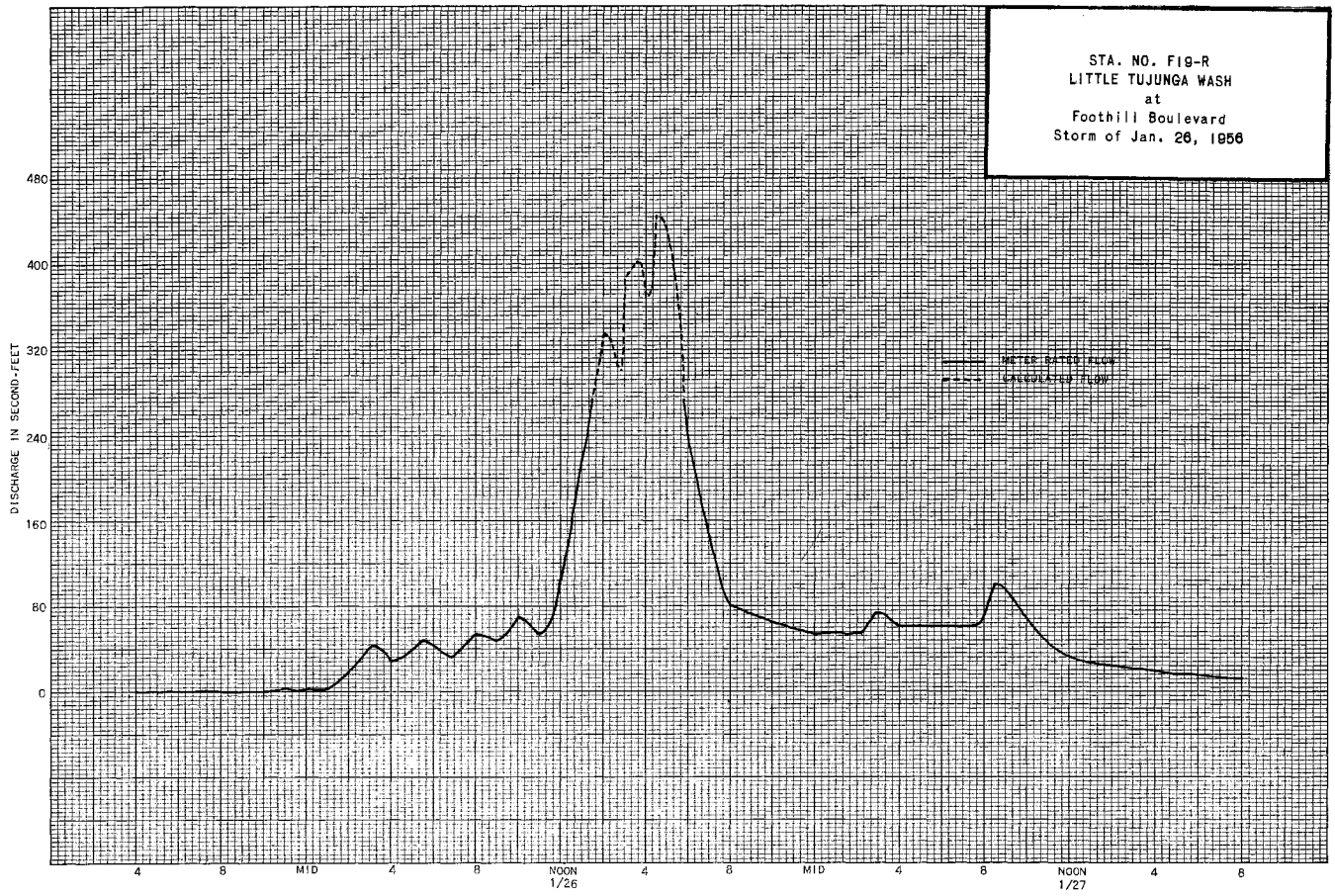
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0.5	0	0	0			
2	0	0	0	0	0	0	0	0	0			
3	0	0	0	0	0	0	0	0	0			
4	0	0	0	0	0	0	0	0	0			
5	0	0	0	1.1	0	0	0	0	0			
6	0	0	0	0	0	0	0	0	0			
7	0	0	0	0	0	0	0	0				
8	0	0	0	0	0	0	0	0				
9	0	0	0	0	0	0.2	0	0				
10	0	0	0	0	0	0	0	+				
11	0	0	0	0	0	0	0	+				
12	0	0	0	2.4	0	0	0	0				
13	0	0	0	5.0	0	0	0	0				
14	0	0	0	0	0	0	0	0				
15	0	0	0	0	0	0	0	0				
16	0	0	0	0	0	1.0	0	0				
17	0	0	0	0	0	0	+	0				
18	0	0	0	0	0	0	0.3	0				0
19	0	0	0	0	0	0	0	1.7				0
20	0	0	0	+	0	0	0.3	0				0
21	0	0	0	0	0	0	+	0				0
22	0	0	0	0	0	0	0	0				0
23	0	0	0	+	1.3	0	0	0				0
24	0	0	0	0	0	0	0	0				0
25	0	0	0	+	0	0	0	0				0
26	0	0	0	0.3	0	0	0	0				0
27	0	0	0	0	0	0	0	0				0
28	0	0	0	0	3.9	0	0	0				0
29	0	0	0	+		0	0	0				0
30	0	0	0	0		0	0	0				0
31	0		0	0		0		0				
	0	0	0	8.8	5.2	1.7	0.6	1.7	0	0	0	0
MEAN	0	0	0	0.28	0.19	0.05	0.02	0.05	0	0	0	0
ACRE-FEET	0	0	0	17.	10.	3.4	1.2	3.4	0	0	0	0

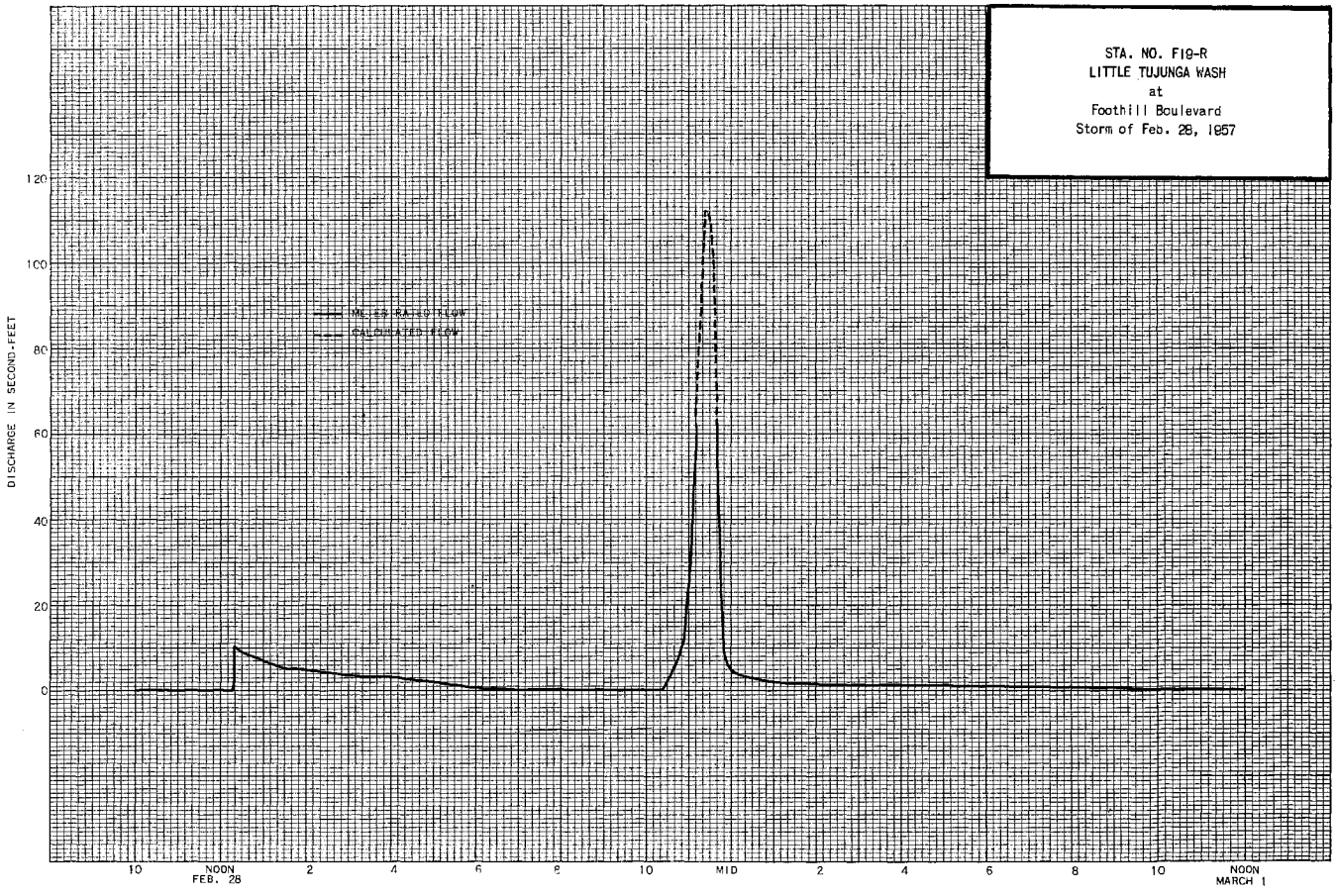
RECORDER STOPPED FOR SUMMER

STOPPED FOR SUMMER

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.05
ACRE-FEET 35.


STA. NO. F19-R
LITTLE TUJUNGA WASH
at
Foothill Boulevard
Storm of Jan. 26, 1956
METER RATED FLOW
CALCULATED FLOW
DISCHARGE IN SECOND-FEET
480
400
320
240
160
80
0
4
8
MID
4
8
NOON
1/26
4
8
MID
4
8
NOON
1/27
4
8


STA. NO. F19-R
LITTLE TUJUNGA WASH
at
Foothill Boulevard
Storm of Feb. 28, 1957
METER RATED FLOW
CALCULATED FLOW
DISCHARGE IN SECOND-FEET
120
100
80
60
40
20
0
10
NOON
FEB. 28
2
4
6
8
10
MID
2
4
6
8
10
NOON
MARCH 1

STATION F31-R
LIVE OAK CREEK near Mouth of Canyon

LOCATION: WATER-STAGE RECORDER, LAT. 34°07'34", LONG. 117°44'40", ON THE (WEST) BANK OF STREAM NEAR MOUTH OF CANYON ABOUT 0.5 MILE BELOW LIVE OAK DAM, AND ABOUT 2 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: INSTALLED JANUARY 4, 1928 IN A CONCRETE HOUSE OVER A 3 FT. X 4 FT. CONCRETE STILLING WELL. AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1955 TO SEPTEMBER 30, 1957.

REGULATION: FLOW REGULATED BY LIVE OAK DAM.

DIVERSIONS: NONE.

RECORDS AVAILABLE: JANUARY 4, 1928 TO SEPTEMBER 30, 1957.

EXTREMES OF DISCHARGE:
1955-56
MAXIMUM 39 SECOND-FEET JANUARY 26.
MINIMUM NO FLOW MOST OF YEAR.
1956-57
NO FLOW ENTIRE YEAR.
1928-57
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

AT OR NEAR 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.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
190	1/27	1206 / 1215	MIDDLETON-LANPHEAR	8.8	2.65	2.30	0.98	6.1		.6	10	0	FC54
191	1/28	1418 / 1441	LINDSAY	6.5	1.55	1.68	0.54	2.6		.5	13	-.01	FC41
192	1/29	1345 / 1352	MIDDLETON-LANPHEAR	8.2	2.64	1.97	0.84	5.2		.6	9	0	FC29
193	1/31	1612 / 1618	" "	3.8	1.39	0.62	0.24	0.86		.6	8	0	FC54
194	2/2	1525	MIDDLETON			2' CIPOLLETTI WEIR							
195	2/9	1512 / 1523	"	4.1	0.99	0.58	0.22	0.57		.6	10	0	FC49
196	2/16	0942 / 0954	"	4.0	0.93	0.56	0.21	0.52		.6	9	0	"

75D74M 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, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0.8	0	0	0	0	0	0	0
2	0	0	0	0	0.7	0	0	0	0	0	0	0
3	0	0	0	0	0.7	0	0	0	0	0	0	0
4	0	0	0	0	0.7	0	0	0	0	0	0	0
5	0	0	0	0	0.7	0	0	0	0	0	0	0
6	0	0	0	0	0.7	0	0	0	0	0	0	0
7	0	0	0	0	0.6	0	0	0	0	0	0	0
8	0	0	0	0	0.6	0	0	0	0	0	0	0
9	0	0	0	0	0.6	0	0	0	0	0	0	0
10	0	0	0	0	0.6	0	0	0	0	0	0	0
11	0	0	0	0	0.6	0	0	0	0	0	0	0
12	0	0	0	0	0.6	0	0	0	0	0	0	0
13	0	0	0	0	0.6	0	0	0	0	0	0	0
14	0	0	0	0	0.6	0	0	0	0	0	0	0
15	0	0	0	0	0.5	0	0	0	0	0	0	0
16	0	0	0	0	0.5	0	0	0	0	0	0	0
17	0	0	0	0	0.4	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	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
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	a 0	0	0	0	0	0	0	0	0
26	0	0	0	a 4.5	0	0	0	0	0	0	0	0
27	0	0	0	3.3	0	0	0	0	0	0	0	0
28	0	0	0	4.2	0	0	0	0	0	0	0	0
29	0	0	0	3.7	0	0	0	0	0	0	0	0
30	0	0	0	4.6		0	0	0	0	0	0	0
31	0		0	2.7		0		0		0	0	
	0	0	0	23.0	10.6	0	0	0	0	0	0	0
MEAN	0	0	0	0.74	0.37	0	0	0	0	0	0	0
ACRE-FEET	0	0	0	46.	21.	0	0	0	0	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.09
ACRE-FEET 67.

STATION F311-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 END CONTRACTIONS SUPPRESSED.

DISCHARGE MEASUREMENTS: FLOWS MEASURED FROM FOOT BRIDGE BELOW WEIR. MEASUREMENTS MADE FOR PURPOSE OF RATING WEIR.

RECORDER: AN AU RECORDER INSTALLED IN A 36" CORRUGATED IRON STILLING WELL, 12 FEET ABOVE WEIR.

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.

DISCHARGE MEASUREMENTS OF LIVE OAK WASH

~~AT~~ NEAR below 7th Street, La Verne 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.	D. HT. CHANGE TOTAL	METER NO.
82	10/12	0845 / 0855	MIDDLETON-STUNDEN	17.2	11.6	3.95	4.33	45.8		.6	11	+.03	FC36
83	10/12	0900 / 0910	STUNDEN-MIDDLETON	17.4	12.2	3.90	4.36	47.6		.6	12	+.03	"
84	10/12	1101 / 1111	MIDDLETON-SADDORIS	17.3	11.3	8.04	4.78	90.9		.6	12	+.03	FC54
85	10/12	1240 / 1258	" "	17.5	14.2	9.73	5.18	138.2		.6	12	0	"
86	10/12	1300 / 1324	STUNDEN-MIDDLETON	17.5	14.9	9.80	5.20	146.1		.6	12	+.03	FC36
87	10/12	1600 / 1623	STUNDEN	18.9	19.4	11.4	5.76	221.9		.6	13	0	"
88	10/12	1626 / 1646	MIDDLETON-STUNDEN	18.9	18.8	11.8	5.76	221.9		.6	12	0	FC54
89	10/13	1055 / 1115	MIDDLETON	19.0	19.8	11.9	5.87	235.3		.6	13	0	"
90	10/13	1126 / 1148	STUNDEN-MIDDLETON	19.0	20.3	11.9	5.87	240.8		.6	13	0	FC36
91	10/13	1240 / 1300	MIDDLETON-STUNDEN	19.0	20.3	12.0	5.87	243.3		.6	13	0	FC54
92	10/14	0816 / 0841	MIDDLETON-SADDORIS	19.2	20.9	12.0	5.89	250.0		.6	13	0	"
93	10/14	0933 / 0956	SADDORIS-MIDDLETON	19.2	20.3	11.6	5.88	235.8		.6	13	0	FC40
94	10/14	1003 / 1030	MIDDLETON-SADDORIS	19.2	20.3	11.8	5.88	238.6		.6	13	0	FC54
95	10/14	1230 / 1317	" "	19.2	20.5	12.2	5.88	250.3		.6	20	0	"
96	10/14	1330 / 1400	SADDORIS-MIDDLETON	19.2	21.0	11.8	5.88	246.9		.6	14	0	FC40
97	10/14	1415 / 1450	MIDDLETON-SADDDRIS	19.2	20.7	12.0	5.88	248.6		.6	15	-.01	"
98	10/14	1620 / 1652	" "	19.2	20.6	11.8	5.83	243.3		.6	20	0	"
99	10/14	1655 / 1720	SADDORIS-MIDDLETON	19.0	20.5	11.6	5.83	238.7		.6	16	+.01	"
100	10/17	1417 / 1500	MIDDLETON-SADDORIS	19.2	20.0	12.0	5.83	239.7		.6	20	0	FC54
101	10/17	1508 / 1543	SADDORIS-MIDDLETON	19.2	20.2	11.7	5.83	236.8		.6	20	0	FC26
102	10/18	1410 / 1445	STUNDEN-MIDDLETON	19.2	19.9	11.1	5.83	221.		VERT VEL	13	0	PITOT TUBE
103	10/18	1505 / 1540	" "	19.2	20.1	11.9	5.84	239.		.6	20	0	FC36
104	10/21	1018 / 1048	" "	19.2	19.9	11.8	5.83	235.		VERT VEL	13	0	PITOT TUBE
105	10/21	1046 / 1120	" "	19.2	19.9	12.5	5.83	249.		VERT VEL	13	0	PITOT TUBE
106	10/21	1125 / 1155	STUNDEN-PAYNE	19.2	19.9	11.1	5.83	221.		"	13	0	"
107	10/21	1230 / 1300	MIDDLETON-BELL	19.2	20.0	12.0	5.83	240.		.6	20	0	FC54
108	10/21	1340 / 1400	STUNDEN-MIDDLETON	19.2	20.0	11.5	5.83	230.		VERT VEL	13	0	PITOT TUBE
109	10/26	0920 / 1010	HYDE-DE MARS	12.0	14.7	16.7	5.83	245.		"	13	0	"
110	10/26	1042 / 1100	" "	12.0	14.7	17.6	5.84	259.		.2 .8	13	0	"
111	10/26	1105 / 1110	" "	12.0	14.7	18.0	5.84	265.		.6	13	0	"
112	11/17	1500 / 1546	MIDDLETON	18.4	20.8	11.3	5.83	235.6		.6	20	0	FC54
113	12/27	0815 / 0855	MIDDLETON-SADDORIS	18.8	21.1	10.6	5.82	223.1		.6	20	0	"
114	12/27	1020 / 1050	SADDORIS-MIDDLETON	18.4	17.1	9.19	5.30	157.2		.6	19	0	FC40
115	12/27	1100 / 1130	" "	18.4	16.9	9.05	5.26	152.9		.6	19	0	FC54
116	12/27	1135 / 1155	MIDDLETON-SADDORIS	18.4	16.7	8.95	5.24	149.4		.6	12	0	FC38
117	12/27	1424 / 1445	" "	16.6	8.88	6.02	4.46	53.5		.6	18	0	FC54
118	12/27	1448 / 1510	SADDORIS-MIDDLETON	16.6	8.56	5.57	4.38	47.7		.6	18	-.02	FC40
119	12/27	1515 / 1540	MIDDLETON-SADDORIS	16.4	7.83	5.38	4.30	42.1		.6	18	-.02	FC38
120	5/3	1047 / 1117	MIDDLETON-SJOSTEDT	17.1	10.8	5.06	4.48	54.7		.6	19	0	FC54
121	5/3	1103 / 1132	STUNDEN-WOOD	17.3	10.8	4.80	4.49	51.8		.6	19	0	FC36
122	5/3	1122 / 1154	SJOSTEDT-MIDDLETON	17.2	10.4	5.15	4.49	53.6		.6	19	0	FC47
123	5/3	1205 / 1230	MIDDLETON-WOOD	16.4	7.83	6.56	4.49	51.4		.6	17	0	FC54
124	5/3	1245 / 1315	WOOD-SJOSTEDT	16.5	7.83	6.88	4.49	53.9		.5 .5	19	0	FC47
125	5/3	1300 / 1335	WOOD-MIDDLETON	16.6	7.81	6.84	4.49	53.4		.6	17	0	FC54
126	5/3	1549 / 1622	MIDDLETON-WOOD	17.0	11.7	9.14	4.99	107.		.6	19	0	"
127	5/3	1653 / 1720	MIDDLETON-WOOD	17.4	11.7	9.14	4.99	107.		.6	19	0	"
128	5/3	1655 / 1725	STUNDEN-SJOSTEDT	17.5	11.6	9.14	4.99	106.		.6	19	0	FC36
129	5/3	1730 / 1810	WOOD-MIDDLETON	17.4	11.5	9.22	4.99	106.		.6	19	0	FC54
130	5/4	1010 / 1045	STUNDEN-SJOSTEDT	18.0	15.3	10.7	5.47	164.		.6	20	0	FC36
131	5/4	1121 / 1216	SJOSTEDT-WOOD	18.0	15.4	10.8	5.48	166.		.6	19	0	FC47
132	5/4	1230 / 1249	MIDDLETON-SJOSTEDT	18.0	15.3	11.0	5.49	168.		.6	19	0	FC54
133	5/4	1308 / 1332	SJOSTEDT-MIDDLETON	18.0	15.3	10.6	5.49	163.		.6	19	0	FC36
134	5/4	1633 / 1655	STUNDEN-WOOD	18.6	18.8	12.1	5.90	227.		.6	20	0	"
135	5/4	1700 / 1723	SJOSTEDT-MIDDLETON	18.6	18.2	12.4	5.90	226.		.6	20	0	FC47
136	5/4	1728 / 1749	MIDDLETON-SJOSTEDT	18.6	18.8	12.1	5.90	228.		.6	20	0	FC54
137	5/5	0900 / 0925	MIDDLETON-SADDORIS	18.6	18.8	12.1	5.90	227.		.6	20	0	"
138	5/5	0937 / 1003	MIDDLETON-SADDORIS	18.6	18.8	11.7	5.90	220.		.6	20	0	FC26
139	5/5	1013 / 1042	SADDORIS-MIDDLETON	18.6	18.8	12.1	5.90	227.		.6	20	0	FC41
140	5/5	1055 / 1117	MIDDLETON-SADDORIS	18.6	18.8	12.1	5.90	228.		.6	20	0	FC43
141	5/6	1035 / 1055	MIDDLETON-SADDORIS	18.5	17.7	11.7	5.74	207.		.6	20	0	FC54
142	5/6	1110 / 1133	SADDORIS-MIDDLETON	18.5	17.7	11.8	5.74	208.		.6	20	0	FC41
143	5/6	1145 / 1203	MIDDLETON-SADDORIS	18.5	17.7	11.8	5.74	209.		.6	20	0	FC43
144	5/6	1240 / 1302	SADDORIS-MIDDLETON	18.5	17.7	11.5	5.74	203.		.6	20	0	FC29
145	5/16	0739 / 1006	STUNDEN-SADDORIS	12.1	11.7	17.7	5.77	207.		VERT VEL	14	0	PITOT
146	5/16	0850 / 0923	" "	12.0	12.0	17.4	5.77	209.		"	13	0	"
147	5/16	1115 / 1158	HOLLERON-SADDORIS	18.6	17.5	11.8	5.77	207.		.6	20	0	FC34
148	5/21	0700 / 0730	MIDDLETON-STUNDEN	18.5	18.5	10.9	5.71	201.		.6	20	-.01	FC54
149	5/21	0734 / 0800	STUNDEN-MIDDLETON	18.5	18.5	10.8	5.71	199.		.6	20	0	FC36
150	5/21	1005 / 1025	MIDDLETON-STUNDEN	17.8	15.6	10.0	5.41	156.		.6	18	0	FC54
151	5/21	1035 / 1100	STUNDEN-MIDDLETON	17.8	15.3	9.80	5.37	150.		.6	18	0	FC36
152	5/21	1332 / 1357	" "	17.3	11.7	8.21	4.94	96.1		.6	18	0	"
153	5/21	1405 / 1429	MIDDLETON-STUNDEN	17.3	11.7	8.32	4.94	97.4		.6	18	0	FC54
154	5/21	1617 / 1636	" "	17.2	10.4	4.80	4.45	49.9		.6	18	0	"
155	5/21	1642 / 1702	STUNDEN-MIDDLETON	16.8	8.67	4.13	4.28	35.8		.6	18	0	FC36
156	8/28	1155 / 1215	MIDDLETON-ROY	16.5	7.28	7.25	4.48	52.8		.6	11	0	FC54
157	8/28	1157 / 1219	HOLLERON-STUNDEN	16.5	7.47	7.61	4.48	56.8		.6	11	0	FC34
158	8/28	1223 / 1237	STUNDEN-HOLLERON	16.5	7.25	7.35	4.48	53.3		.6	12	0	"
159	8/28	1217 / 1243	ROY-MIDDLETON	16.5	7.40	7.40	4.48	54.6		.6	11	0	FC43
160	8/28	1415 / 1433	STUNDEN-HOLLERON	17.7	11.0	8.82	4.91	97.0		.6	13	0	FC34
161	8/28	1413 / 1440	MIDDLETON-ROY	17.7	10.9	8.82	4.91	96.1		.6	13	0	FC54
162	8/28	1432 / 1456	ROY-MIDDLETON	17.7	11.1	8.90	4.91	98.8		.6	13	0	FC43
163	8/28	1438 / 1458	HOLLERON-STUNDEN	17.7	10.7	8.82	4.91	94.4		.6	13	0	FC34
164	8/28	1800 / 1820	MIDDLETON-STUNDEN	17.5	14.1	10.0	5.30	141.		.6	12	0	FC54
165	8/28	1823 / 1840	STUNDEN-ROY	17.5	14.1	10.2	5.30	144.		.6	12	0	FC43
166	8/29	1047 / 1120	MIDDLETON-ROY	18.4	17.4	11.2	5.65	195.		.6	20	0	FC54
167	8/29	1126 / 1200	" "	18.4	17.4	11.4	5.65	196.		.6	20	0	FC43
168	8/29	1525 / 1555	" "	18.3	17.4	11.3	5.69	197.		.6	20	0	FC54
169	8/30	0906 / 0940	MIDDLETON-FALCONE	18.1	17.5	11.4	5.69	199.		.6	20	0	"
170	8/30	0940 / 1010	FALCONE-MIDDLETON	18.1	17.5	11.1	5.69	194.		.6	20	0	FC43
171	9/4	1015 / 1045	MIDDLETON-BOWMAN	18.6	17.9	11.4	5.73	205.		.6	20	0	FC54
172	9/4	1055 / 1130	BOWMAN-MIDDLETON	18.6	17.9	11.4	5.73	205.		.6	20	0	FC43
173	9/13	1320 / 1350	MIDDLETON-FALCONE	18.8	18.0	11.3	5.73	204.		.6	20	0	FC54
174	9/13	1400 / 1430	FALCONE-MIDDLETON	18.8	18.1	11.4	5.73	207.4		.6	20	0	FC43

DISCHARGE MEASUREMENTS OF LIVE OAK WASH

~~AT~~ NEAR below 7th Street, La Verne 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.	RATINGS	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
175	11/14	0815 / 0955	MIDDLETON	18.5	17.1	8.89	5.36	152.		.6	20	0	FC54
176	12/27	1000 / 1030	MIDDLETON-ROY	19.0	20.1	9.65	5.72	194.		.6	20	0	"
177	12/27	1045 / 1115	ROY-MIDDLETON	19.0	20.1	9.90	5.72	199.		.6	20	0	FC51
178	12/31	1100 / 1125	MIDDLETON-MC BRIDE	17.8	12.3	8.23	4.96	101.		.6	19	0	FC54
179	12/31	1130 / 1200	" "	17.8	12.4	8.11	4.96	101.		.6	19	0	"
180	3/11	1052 / 1115	MIDDLETON-BROOK	16.7	10.2	7.50	4.72	76.4		.6	19	0	"
181	3/11	1118 / 1143	SARASUA-BROOK	16.7	10.7	7.34	4.73	78.5		.6	19	0	FC43
182	3/11	1145 / 1215	BROOK-MIDDLETON	16.7	10.4	7.56	4.78	78.9		.6	18	+.11	FC54
183	3/11	1440 / 1502	MIDDLETON-SARASUA	17.7	14.7	10.1	5.37	148.		.6	19	0	"
184	3/11	1505 / 1532	SARASUA-BROOK	17.7	14.7	10.3	5.38	151.		.6	19	0	FC43
185	3/11	1537 / 1600	BROOK-SARASUA	17.7	14.7	10.1	5.38	148.		.6	19	0	FC54
186	3/12	0845 / 0908	MIDDLETON-MC BRIDE	18.2	17.7	11.4	5.73	202.		.6	20	0	"
187	3/12	0920 / 0950	MC BRIDE-MIDDLETON	18.2	17.7	11.2	5.73	199.		.6	20	0	FC43
188	3/27	1237 / 1245	WADDICOR-BLAKELY	18.5	18.1	11.0	5.73	199.		.6	9	0	PITOT
189	3/28	0900 / 0920	MIDDLETON-MC BRIDE	18.6	18.3	11.6	5.80	212.		.6	20	0	FC54
190	3/28	0930 / 1000	MC BRIDE-MIDDLETON	18.6	18.3	11.4	5.80	210.		.6	20	0	FC43
191	4/9	0930 / 1010	MIDDLETON-SARASUA	18.5	17.6	11.4	5.72	201.		.6	20	0	FC54
192	4/9	1015 / 1045	SARASUA-MIDDLETON	18.5	17.6	11.4	5.72	200.		.6	20	0	FC43
193	4/22	0650 / 0710	MIDDLETON-SARASUA	18.2	17.7	11.2	5.71	200.		.6	20	0	FC54
194	4/22	0718 / 0740	SARASUA-MIDDLETON	18.2	17.7	10.9	5.67	194.		.6	20	-.05	FC43
195	4/22	1000 / 1020	MIDDLETON-SARASUA	17.5	12.9	9.38	5.14	121.		.6	19	-.01	FC54
196	4/22	1025 / 1045	SARASUA-MIDDLETON	17.5	12.9	9.30	5.14	120.		.6	19	-.01	FC43
197	4/22	1335 / 1400	MIDDLETON-SARASUA	16.5	7.28	7.35	4.46	53.5		.6	18	-.04	FC54
198	4/22	1402 / 1428	SARASUA-MIDDLETON	16.5	7.38	7.10	4.46	52.4		.6	18	-.04	FC43

76D74M Gth 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F311-R

Daily discharge, in second-feet of LIVE OAK WASH below 7th Street, La Verne, for the year ending September 30, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	236.5	236.5	0	0	0	0	0	0	0	0	199.0
2	0	238.1	236.5	0	0	0	0	0	0	0	0	198.0
3	0	238.1	236.5	0	0	0	0	53.7	0	0	0	197.0
4	0	236.5	236.5	0	0	0	0	169.5	0	0	0	199.2
5	0	238.1	234.9	0	0	0	0	220.7	0	0	0	202.0
6	0	236.5	234.9	0	0	0	0	204.0	0	0	0	199.0
7	0	238.1	235.7	0	0	0	0	205.5	0	0	0	202.8
8	0	238.1	234.9	0	0	0	0	205.0	0	0	0	202.0
9	0	238.1	234.9	0	0	0	0	205.0	0	0	0	198.0
10	0	238.1	234.9	0	0	0	0	205.0	0	0	0	199.0
11	0	236.5	234.9	0	0	0	0	204.0	0	0	0	201.0
12	115.1	236.5	234.9	0	0	0	0	202.0	0	0	0	198.0
13	237.6	235.7	236.5	0	0	0	0	204.0	0	0	0	200.4
14	242.0	236.5	237.3	0	0	0	0	204.0	0	0	0	201.0
15	236.5	236.5	236.5	0	0	0	0	207.0	0	0	0	201.0
16	236.5	236.5	236.5	0	0	0	0	205.0	0	0	0	201.0
17	236.5	236.5	236.5	0	0	0	0	201.0	0	0	0	201.0
18	236.5	236.5	236.5	0	0	0	0	201.0	0	0	0	201.0
19	236.5	235.7	236.5	0	0	0	0	201.0	0	0	0	201.5
20	236.5	236.5	236.5	0	0	0	0	201.0	0	0	0	202.0
21	236.5	235.7	236.5	0	0	0	0	112.8	0	0	0	202.0
22	235.7	235.7	236.5	0	0	0	0	0	0	0	0	201.0
23	236.5	236.5	236.5	0	0	0	0	0	0	0	0	201.0
24	236.5	236.5	234.9	0	0	0	0	0	0	0	0	201.0
25	236.5	236.5	234.9	0	0	0	0	0	0	0	0	201.0
26	237.3	236.5	234.9	0	0	0	0	0	0	0	0	201.0
27	238.1	234.9	121.7	0	0	0	0	0	0	0	0	201.0
28	238.1	236.5	0	0	0	0	0	0	0	0	64.0	201.0
29	236.5	238.1	0	0	0	0	0	0	0	0	176.2	201.0
30	238.0	236.5	0	0		0	0	0	0	0	198.5	209.5
31	238.1		0	0		0		0		0	200.0	
	4621.5	7103.0	6254.7	0	0	0	0	3611.5	0	0	638.7	6023.4
MEAN												
ACRE-FEET	9166.6	14088.6	12406.0	0	0	0	0	7163.3	0	0	1267.	11947.2

Remarks:

YEAR OR PERIOD MEAN 77.2
ACRE-FEET 56,039.

75DT6M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F311-R

Daily discharge, in second-feet of LIVE OAK WASH below 7th Street, La Verne, for the year ending September 30, 19 57

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	201.0	201.0	201.0	0	0	0	170.1	200.7	0	0	0	0
2	201.0	201.5	201.0	0	0	0	3.4	14.8	0	0	0	0
3	201.0	201.0	201.0	0	0	0	0	0	0	0	0	0
4	201.0	201.0	201.0	0	0	0	10.9	0	0	0	0	0
5	201.0	201.0	201.0	0	0	0	0	0	0	0	0	0
6	201.0	201.0	200.0	0	0	0	0	0	0	0	0	0
7	201.0	201.0	200.0	0	0	0	0	0	0	0	0	0
8	201.0	202.0	201.0	0	0	0	122.0	0	0	0	0	0
9	201.0	193.8	201.0	0	0	0	201.0	0	0	0	0	0
10	201.0	161.7	201.0	0	0	0	201.0	0	0	0	0	0
11	201.0	151.0	202.0	0	0	94.8	201.0	0	0	0	0	0
12	201.0	151.0	202.0	0	0	202.0	201.0	0	0	0	0	0
13	200.0	151.0	201.0	0	0	202.0	204.0	0	0	0	0	0
14	200.0	165.1	201.0	0	0	202.0	201.0	0	0	0	0	0
15	199.0	176.0	201.0	0	0	202.0	201.0	0	0	0	0	0
16	201.0	176.0	201.0	0	0	202.0	201.0	0	0	0	0	0
17	201.0	178.0	201.0	0	0	202.0	201.0	0	0	0	0	0
18	201.0	163.5	201.0	0	0	202.0	201.0	0	0	0	0	0
19	201.0	151.0	202.0	0	0	202.0	201.0	0	0	0	0	0
20	201.0	151.0	202.0	0	0	201.0	201.0	0	0	0	0	0
21	201.0	151.0	201.0	0	0	201.0	201.0	0	0	0	0	0
22	201.0	151.0	201.0	0	0	201.0	96.0	0	0	0	0	0
23	201.0	151.0	201.0	0	0	202.0	0	0	0	0	0	0
24	201.0	150.0	202.0	0	0	202.0	0	0	0	0	0	0
25	201.0	150.0	204.0	0	0	204.0	0	0	0	0	0	0
26	201.5	150.0	202.0	0	0	202.0	0	0	0	0	0	0
27	203.0	150.0	200.0	0	0	209.0	0	0	0	0	0	0
28	204.0	150.0	201.0	0	0	212.5	0	0	0	0	0	0
29	204.0	150.0	201.0	0		214.0	99.3	0	0	0	0	0
30	204.0	183.2	201.0	0		216.0	201.0	0	0	0	0	0
31	201.0		98.2	0		214.0		0		0	0	
	6238.5	5114.8	6134.2	0	0	4189.3	3318.7	215.5	0	0	0	0
MEAN	201.2	170.5	197.9	0	0	135.1	110.6	6.95	0	0	0	0
ACRE-FEET	12373.9	10145.1	12167.0	0	0	8309.4	6582.5	427.4	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 69.1
ACRE-FEET 50,005.

STATION E5C-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 1957. AT STATIONS F5-R AND F5B-R, FROM DECEMBER 19, 1928 TO MARCH 3, 1938 AND FROM APRIL 28, 1938 TO MARCH 27, 1952.

AVERAGE DISCHARGE: 14 YEARS (1943-57) 20.6 SECOND-FEET.

EXTREMES:
1955-56
MAXIMUM DISCHARGE 4670 SECOND-FEET JANUARY 26. (GAGE HEIGHT 5.48 FEET.)
MINIMUM DAILY DISCHARGE 3.2 SECOND-FEET SEPTEMBER 19, 1922.
1956-57
MAXIMUM DISCHARGE 3160. SECOND-FEET JANUARY 13. (GAGE HEIGHT 4.27 FEET)
MINIMUM DAILY DISCHARGE 2.4 SECOND-FEET DECEMBER 26.
1943-57
MAXIMUM DISCHARGE 8520 SECOND-FEET JANUARY 15, 1952. (GAGE HEIGHT 14.56 FEET).
MINIMUM DAILY DISCHARGE 1.3 SECOND-FEET SEPTEMBER 20-22, 24, 25, 1951.

REMARKS: RECORDS GOOD BELOW 100 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 4005 ACRE-FEET OF IMPORTED OWENS RIVER WATER FROM CHATSWORTH RESERVOIR INTO LOS ANGELES RIVER ABOVE STATION DURING 1955-56 AND IN 1956-57 SUCH DISCHARGES AMOUNTED TO 1600 ACRE-FEET.

COOPERATION: RECORDS FURNISHED BY CORPS OF ENGINEERS, DEPARTMENT OF THE ARMY AND THE UNITED STATES GEOLOGICAL SURVEY, WATER RESOURCES BRANCH. FORTY-SEVEN DISCHARGE MEASUREMENTS FURNISHED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER

at below Sepulveda Dam 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	METH OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
833	10/6	1132 / 1144	BLAKELY	18.5	5.62	2.47	0.38	13.9		.5	11	0	FC53
834	10/14		U.S.G.S.	16.0	3.06	2.34	0.27	7.15		.5	17	0	
835	10/20	1005 / 1017	BLAKELY	17.0	3.26	1.50	0.26	4.93		.5	12	0	FC53
836	11/1		U.S.G.S.	15.0	2.52	2.04	0.26	5.13		.5	18	0	
837	11/2	1407 / 1417	BLAKELY	16.5	3.31	1.45	0.27	4.80		.5	11	0	FC53
838	11/15		U.S.G.S.	17.0	3.03	1.97	0.25	5.96		.5 / .6	23	0	
839	11/17	1108 / 1118	BLAKELY	19.0	4.70	1.60	0.32	7.47		.5	10	0	FC24
840	12/1	0956 / 1006	"	17.5	3.02	1.56	0.24	4.74		.5	9	0	FC53
841	12/1		U.S.G.S.	15.5	2.67	2.00	0.24	5.22		.5	19	0	
842	12/15		"	14.0	2.60	2.19	0.24	5.70		.5	24	0	
843	12/22	1006 / 1016	BLAKELY	15.5	3.08	1.82	0.24	5.57		.5	9	-.02	FC53
844	12/29		U.S.G.S.	16.0	2.67	2.03	0.23	5.42		.5	24	0	
845	12/12	1000 / 1010	BLAKELY	13.8	2.86	1.97	0.22	5.48		.5	9	0	FC53
846	12/16		U.S.G.S.	12.2	2.15	2.00	0.22	4.30		.5	17	0	
847	12/25		CORPS OF ENGINEERS	45.0	81.5	13.3	2.38	1080.		.6	12	-.17	
848	1/25		" "	45.0	70.8	12.3	2.24	874.		.6	12	-.11	
849	1/26		U.S.G.S.	44.5		20.0	5.00	4000.	FLOAT				
850	1/27		"	46.5	27.5	7.71	1.12	212.		.6	25	-.04	
851	1/31		"	19.0	5.58	3.12	0.39	17.4		.5 / .6	19	-.01 +.02	
852	2/9	1123 / 1137	BLAKELY	16.5	3.72	1.91	0.23	7.10		.5	10	0	FC24
853	2/15		U.S.G.S.	17.0	3.04	2.68	0.23	8.15		.5 / .6	23	0	
854	2/23	1023 / 1039	BLAKELY	44.5	15.0	1.95	0.60	29.2		.5	15	0	FC24
855	2/29		U.S.G.S.	18.0	3.41	2.21	0.23	7.55		.5 / .6	23	0	
856	3/8	0932 / 0950	SJOSTEDT-BLAKELY	16.5	3.44	2.04	0.23	7.04		.5	10	0	FC24
857	3/15		U.S.G.S.	16.0	4.05	2.20	0.30	8.89		.5 / .6	25	+.01	
858	3/22	1052 / 1104	BLAKELY	18.0	4.24	1.84	0.31	7.78		.5	11	0	FC24
859	3/30		U.S.G.S.	16.0	4.11	2.11	0.32	8.66		.5 / .6	25	0	
860	4/11	0930 / 0942	BLAKELY	21.5	6.09	2.00	0.40	12.7		.5	11	+.05	FC24
861	4/13		U.S.G.S.	44.0	19.0	4.20	0.76	79.8		.6	31	+.01	
862	4/27	1058 / 1110	BLAKELY	27.0	7.61	1.98	0.43	15.1		.5	13	0	FC24
863	4/30		U.S.G.S.	20.0	4.27	1.94	0.31	8.28		.5 / .6	25	0	
864	5/9	1416 / 1428	BLAKELY	44.5	34.2	6.06	1.15	207.		.6	13	+.03	FC24
865	5/18		U.S.G.S.	18.0	4.57	1.72	0.32	7.86		.5 / .6	28	+.01	
866	5/24	1018 / 1030	BLAKELY	44.5	7.27	0.87	0.34	6.21		.5	13	0	FC53
867	5/31		U.S.G.S.	25.0	5.32	1.47	0.38	7.84		.5 / .6	27	0	
868	6/6	1100 / 1114	BLAKELY	44.5	9.27	0.88	0.39	8.23		.5	13	0	FC53
869	6/15		U.S.G.S.	17.0	5.79	3.05	0.42	17.6		.5 / .6	25	0	
870	6/21	0931 / 0945	HOLLERON	17.4	5.47	3.49	0.50	19.4		.5	11	+.02	FC24
871	6/29		U.S.G.S.	21.0	7.76	2.72	0.50	21.1		.5 / .6	19	0	
872	7/17		"	19.0	5.56	3.17	0.41	17.6		.5 / .6	26	0	
873	7/19	1305 / 1315	BLAKELY	24.0	9.65	2.82	0.53	27.2		.5	11	0	FC24
874	8/1		U.S.G.S.	17.8	7.34	2.89	0.46	21.2		.5 / .6	32	+.02	
875	8/9	0855 / 0915	HOLLERON	18.3	8.26	3.16	0.55	26.1		.5 / .6	15	0	FC34
876	8/15		U.S.G.S.	21.0	7.69	3.37	0.50	25.9		.5 / .6	26	0	
877	8/23	1000 / 1010	BLAKELY-BOWMAN	22.5	10.5	3.02	0.59	31.7		.5 / .6	12	0	FC24
878	8/31		U.S.G.S.	20.5	9.77	2.99	0.60	29.2		.5 / .6	36	+.01	
879	9/6	0925 / 0941	BLAKELY	21.3	8.68	3.10	0.54	27.0		.5	12	0	FC24
880	9/6		U.S.G.S.	19.5	8.36	3.54	0.57	29.6		.5 / .6	25	0	
881	9/20	1010 / 1020	BLAKELY	17.5	4.12	1.50	0.34	6.32		.5 / .6	10	-.03	FC24
882	9/28		U.S.G.S.	16.0	3.06	1.67	0.29	5.12		.5 / .6	19	0	

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER

at below Sepulveda Dam DURING THE YEAR ENDING SEPTEMBER 30, 1957

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.
883	10/3	1056 / 1106	BLAKELY	13.0	3.74	1.36	0.33	5.11		.5	8	0	
884	10/16		U.S.G.S.	8.4	1.60	3.35	0.27	5.36		.5	29	+.02	
885	10/25	0945 / 0955	BLAKELY-STUNDEN	8.5	1.95	2.16	0.27	4.19		.5	8	0	
886	10/31		U.S.G.S.	18.0	6.50	2.03	0.40	13.2		.5 / .6	31	+.01	
887	11/8	1057 / 1107	BLAKELY	17.0	3.00	1.30	0.23	3.86		.5	9	0	
888	11/14		U.S.G.S.	14.0	2.92	1.42	0.25	4.16		.5	29	0	
889	11/20		"	14.0	2.47	1.34	0.24	3.32		SURF	26	0	
890	11/23	1102 / 1110	BLAKELY	15.5	3.13	1.28	0.25	4.05		.5	9	0	
891	11/29		U.S.G.S.	12.0	2.90	1.64	0.28	4.75		.5	25	0	
892	12/6	1032 / 1042	BLAKELY	17.7	3.36	1.41	0.27	4.88		.5	11	0	
893	12/14		U.S.G.S.	15.4	5.53	2.53	0.40	14.0		.6	36	0	
894	12/20	1046 / 1108	HENSLEY-BLAKELY	14.9	5.53	2.39	0.39	13.2		.5	11	0	
895	12/27		U.S.G.S.	15.4	4.95	2.36	0.37	11.7		.5 / .6	21	0	
896	1/8		"	13.0	3.00	2.02	0.23	6.06		.5 / .6	18	0	
897	1/9	1210 / 1218	BLAKELY	15.5	3.25	1.60	0.22	5.23		.5	9	0	
898	1/13		U.S.G.S.	44.6	61.7	8.07	1.87	498.0		.6	12	0	
899	1/22		"	10.0	1.73	2.93	0.21	5.07		.5	17	0	
900	1/24	1120 / 1130	BLAKELY	47.0	11.6	4.79	0.69	55.6	FLOATS		7	0	
901	1/31		U.S.G.S.	12.8	2.26	3.56	0.23	8.05		.5	21	0	
902	2/6	0957 / 1005	BLAKELY	16.0	3.27	1.96		6.45		.5	8		
903	2/12		U.S.G.S.	13.0	2.19	2.79		6.12		.5	20		
904	2/20	0956 / 1004	BLAKELY	15.5	3.09	1.62		4.98		.5	8		
905	2/28		U.S.G.S.	11.0	2.35	2.80	0.26	6.57		.5 / .6	16	0	
906	3/4		U.S.G.S.	17.1	3.65	2.00	0.25	7.29		.5 / .6	26	+.02	
907	3/6	1006 / 1016	BLAKELY	17.5	3.72	1.61	0.24	5.99		.5	10	0	
908	3/16		U.S.G.S.	44.4	72.2	6.64	1.94	480.0		.6	11	-.10	
909	3/21	0915 / 0927	BROOK-BLAKELY	18.0	3.22	1.77	0.23	5.67		.5	9	0	
910	3/30		U.S.G.S.	11.0	2.37	2.32	0.27	5.51		.5	17	0	
911	4/11	1026 / 1036	BLAKELY	18.0	4.04	1.46	0.30	5.9		.5	10	0	
912	4/16		U.S.G.S.	18.0	3.93	1.59	0.31	6.23		.5	30	+.01	
913	4/25	0955 / 1015	MC BRIDE-BLAKELY	18.0	3.86	1.35	0.29	5.2		.5	10	+.01	
914	4/30		U.S.G.S.	12.5	3.38	1.78	0.34	6.02		.5	17	0	
915	5/9	1005 / 1030	FALCONE-BOWMAN	22.0	5.42	0.94	0.44 / 0.37	5.06		.5	17	0	
916	5/15		U.S.G.S.	17.2	4.65	1.83	0.34	8.50		.5	30	0	
917	5/23	0903 / 0915	WOOD-BLAKELY	17.0	3.21	1.59	0.31	5.1		.5	9	0	
918	5/31		U.S.G.S.	21.4	4.87	1.25	0.40	6.09		.5 / .6	31	0	
919	6/6	1430 / 1444	BLAKELY-LINDSAY	11.0	2.52	1.63	0.29 / 0.23	4.1		.5	12	-.02	
920	6/14		U.S.G.S.	17.4	3.82	1.46	0.26	5.57		.5 / .6	29	0	
921	6/20	1210 / 1230	BOWMAN	12.0	3.15	1.90	0.31	6.0		.5	14	+.01	
922	6/27		U.S.G.S.	18.1	4.40	1.47	0.32	6.49		.5 / .6	31	0	
923	7/11	1126 / 1141	SARASUA-WOOD	14.0	3.89	2.32	0.32	9.0		.5	11	0	
924	7/15		U.S.G.S.	18.6	4.79	1.69	0.32	8.08		.5 / .6	27	0	
925	7/25	1004 / 1018	BLAKELY	17.2	5.50	1.93	0.36	10.6		.5	11	0	
926	7/31		U.S.G.S.	16.0	3.71	3.34	0.36	12.4		.5 / .6	37	0	
927	8/8	1125 / 1145	BOWMAN	16.0	3.99	1.98	0.34	7.9		.5	18	+.01	
928	8/16		U.S.G.S.	12.8	3.69	1.55	0.32	5.71		.5 / .6	26	0	
929	8/22	1027 / 1043	SARASUA-BLAKELY	15.5	4.88	1.99	0.35	9.7		.5	11	0	
930	8/29		U.S.G.S.	19.3	5.34	1.86	0.38	9.92		.5 / .6	31	0	
931	9/5	1155 / 1210	ROY	17.0	5.80	1.91	0.44	11.1		.6	12	+.01	
932	9/12	1155 / 1220	BOWMAN	16.0	4.98	2.20	0.42	11.6		.5	12	0	
933	9/16		U.S.G.S.	21.4	5.88	1.90	0.38	11.2		.5 / .6	21	+.01	
934	9/19	1045 / 1100	ROY-BOWMAN	17.0	5.74	2.14	0.39 / 0.42	12.3		.5	11	0	
935	9/30		U.S.G.S.	23.6	6.65	1.56	0.41	10.4		.5 / .6	23	0	

75D74M C-b 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, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	31	4.8	22	4.8	8.9	6.7	14	9.7	8.1	18	25	30
2	31	4.8	11	4.8	8.1	6.7	8.1	8.9	8.9	19	36	30
3	31	4.8	5.4	4.8	8.1	6.7	7.4	10	9.7	20	34	30
4	22	4.8	106	4.8	8.1	7.4	7.4	10	10	18	34	30
5	14	4.8	13	4.8	8.1	8.1	7.4	12	15	16	34	30
6	14	4.8	17	4.8	8.1	7.4	7.4	12	8.1	14	32	28
7	14	4.8	7.2	4.8	8.1	6.7	7.4	12	9.6	14	28	26
8	14	4.8	6.2	4.8	8.1	6.7	8.1	13	13	14	28	26
9	12	4.8	6.0	4.8	7.4	7.4	8.1	201	25	14	26	26
10	10	6.8	6.5	5.4	7.4	7.4	8.1	38	22	14	26	30
11	8.9	7.4	4.8	5.4	7.4	7.4	27	14	18	16	26	30
12	8.9	6.7	4.8	5.4	8.1	7.4	496	10	16	26	26	30
13	8.1	6.0	4.8	4.8	8.1	7.4	30	8.9	19	16	25	31
14	7.4	7.4	5.4	4.8	8.1	8.1	21	8.1	16	14	25	30
15	7.4	6.7	5.4	4.2	8.1	8.1	8.1	8.1	14	14	24	30
16	7.4	6.0	4.8	3.7	7.4	8.1	8.1	9.7	14	14	24	30
17	7.3	8.2	4.8	3.7	6.0	8.1	8.1	9.7	14	14	25	21
18	5.4	5.4	4.8	4.2	6.0	8.1	8.1	8.9	14	16	25	3.7
19	5.4	4.2	4.8	4.8	5.4	8.9	8.1	7.4	14	30	24	3.2
20	4.8	4.2	4.8	4.8	4.8	9.1	8.1	7.4	22	34	24	3.2
21	4.8	35	5.4	5.4	4.8	7.4	8.1	6.7	24	34	25	3.2
22	6.0	5.4	5.4	4.2	5.8	8.1	8.1	6.7	25	32	28	3.2
23	5.4	4.8	17	7.4	28	8.1	8.1	6.7	24	34	28	3.7
24	4.8	4.8	10	4.8	15	8.1	8.9	6.0	24	34	28	4.2
25	4.8	4.8	33	3.84	10	8.1	9.7	5.4	25	36	28	4.2
26	4.8	4.8	40	2480	8.0	8.1	30	5.4	26	31	28	4.2
27	5.4	4.8	18	200	7.5	7.4	11	6.0	25	20	28	4.8
28	4.8	5.4	5.4	34	7.5	8.1	8.1	6.0	24	20	30	5.4
29	4.8	6.0	5.4	22	7.4	8.1	8.1	6.7	22	19	30	5.4
30	4.8	5.4	5.4	50		8.9	8.1	7.4	18	20	30	5.4
31	4.8		5.4	85		8.9		8.1		20	30	
	3192	260.0	399.9	3371.2	243.8	241.2	846.2	489.9	527.4	655	864	541.8
MEAN	10.3	8.67	12.9	109.	8.41	7.78	28.8	15.8	17.6	21.1	27.9	18.1
ACRE-FEET	633.	516.	793.	6690.	484.	478.	1710.	972.	1050.	1300.	1710.	1070.

Remarks:

YEAR OR PERIOD MEAN 24.0
ACRE-FEET 17410.

75D74M C-b 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, 1957

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5.4	12	4.8	12	7.5	154	5.4	6.0	5.4	4.8	10	9.7
2	7.4	5.1	4.8	14	7.0	14	5.4	5.4	5.4	4.8	12	9.7
3	7.4	3.7	4.8	14	6.5	8.1	5.4	4.8	5.4	3.7	10	9.7
4	3.2	3.7	5.4	14	6.5	7.4	5.4	4.8	4.8	4.2	9.7	9.7
5	6.0	3.7	25	313	6.5	6.7	6.0	4.8	4.8	3.7	10	9.7
6	5.4	3.7	6.0	7.4	6.5	6.0	6.0	4.8	4.3	3.7	9.7	10
7	5.4	3.7	4.2	23	6.5	7.4	6.0	4.8	4.2	4.2	9.7	10
8	5.4	3.7	3.7	7.4	6.5	7.4	6.7	4.8	6.0	4.2	10	10
9	5.4	3.2	3.2	5.4	6.5	6.0	6.0	4.5	5.4	6.7	10	12
10	5.4	3.2	6.1	6.0	6.0	8.9	6.7	6.0	14	8.1	10	12
11	5.4	3.2	14	6.0	6.0	6.0	6.0	114	4.2	8.1	10	12
12	5.4	3.2	16	263	6.0	6.7	6.0	12	5.4	8.1	10	10
13	5.4	3.7	16	798	6.0	6.0	6.0	6.7	4.8	8.1	9.7	12
14	4.8	4.8	16	20	6.0	6.7	5.4	8.9	5.4	7.4	9.7	12
15	4.2	3.7	14	6.0	6.0	6.7	5.4	9.7	5.4	8.1	6.7	12
16	5.4	3.7	14	5.4	5.5	112	6.0	8.1	5.4	8.9	6.6	12
17	5.4	3.7	14	4.8	5.5	7.4	21	7.4	5.4	10	10	12
18	5.4	3.7	14	28	5.5	6.7	97	8.9	4.8	9.7	10	12
19	4.8	3.2	14	28	5.0	7.4	8.9	32	4.8	9.7	9.7	10
20	4.8	3.2	14	89	5.0	5.4	47	7.4	4.8	8.9	9.7	12
21	3.7	3.2	12	8.9	5.0	6.0	12	9.7	5.4	8.9	9.7	9.7
22	3.7	3.2	3.2	5.4	5.0	5.4	6.7	6.7	5.4	8.9	9.7	8.9
23	3.7	3.7	2.8	41	396	5.4	5.4	6.0	4.8	9.7	10	8.9
24	4.2	3.7	2.8	68	15	5.4	5.4	6.7	5.4	9.7	9.7	9.7
25	4.2	3.7	2.8	9.3	10	5.4	5.4	6.0	6.7	10	9.7	12
26	4.2	4.2	2.4	113	8.0	5.4	5.4	5.4	6.7	10	9.7	10
27	4.2	4.2	10	64	7.0	4.6	6.0	5.4	5.4	9.7	10	9.7
28	4.8	4.2	12	7.4	172	5.4	6.0	5.4	4.2	8.9	10	9.7
29	4.2	4.8	12	235		5.4	6.0	5.4	5.4	8.1	10	10
30	14	4.8	12	21		5.4	6.0	5.4	4.2	12	9.7	10
31	14		12	8.1		6.0		5.4		12	9.7	
	201.1	121.5	298.0	2245.5	740.5	500.9	332.0	333.3	163.7	243.0	301.1	317.1
MEAN	6.49	4.05	9.61	72.4	26.4	16.2	11.1	10.8	5.46	7.84	9.71	10.6
ACRE-FEET	399.	241.	591.	4450.	1470.	994.	659.	661.	325.	482.	597.	629.

Remarks:

YEAR OR PERIOD MEAN 15.9
ACRE-FEET 11,500.

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: INSTALLED OVER A 48-INCH DIAMETER CONCRETE STILLING WELL ON FEBRUARY 21, 1950. A STEVENS TYPE A35-B CONTINUOUS RECORDER IN SERVICE FROM OCTOBER 1, 1955 TO SEPTEMBER 30, 1957.

REGULATION AND/OR DIVERSIONS: SUBJECT TO SAME REGULATION AS STATION E5C-R, AND IN ADDITION, FLOW IS REGULATED BY PACOIMA DAM.

RECORDS AVAILABLE: RECORDER RECORDS FROM FEBRUARY 21, 1950 TO SEPTEMBER 30, 1957.

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.

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER

AT ~~NEAR~~ Radford Avenue 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.	RAT-ING	METH-OD	MEAS. SEC. NO.	D. HT. CHANGE TOTAL	METER NO.
68	7/18	1350 / 1415	SARASUA	CHANNELS				6.7		.6	7		FC53
69	8/29	1305 / 1320	"		"			10.0		.5	13		"

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: INSTALLED OVER A 12-INCH DIAMETER STEEL PIPE STILLING WELL IN A 48" X 48" CONCRETE VAULT ON MAY 6, 1950. A STEVENS TYPE A35-B CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1955 TO SEPTEMBER 30, 1957.

REGULATION AND/OR DIVERSIONS: SUBJECT TO SAME REGULATION AS STATION E5C-R AND STATION F105B-R.

RECORDS AVAILABLE: MAY 8, 1950 TO SEPTEMBER 30, 1957.

EXTREMES OF DISCHARGE:
1955-56
MAXIMUM 6800 SECOND-FEET JANUARY 16.
MINIMUM 5.7 SECOND-FEET VARIOUS TIMES IN NOVEMBER AND DECEMBER.
1956-57
MAXIMUM 6060 SECOND-FEET JANUARY 13.
MINIMUM 4.5 SECOND-FEET DECEMBER 26.
1950-57
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, 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.
344	10/6	1320 / 1328	BLAKELY	12.0	10.4	1.57	0.91	16.3		.6	8	0	FC24
345	10/13	1045 / 1055	"	12.0	6.93	1.11	0.55	7.7		.6	8	0	"
346	10/20	1140 / 1148	"	12.0	5.04	1.27	0.48	6.4		.5	8	0	"
347	10/24	1402 / 1410	"	12.0	4.69	1.34	0.45	6.3		.5	8	0	"
348	10/27	1037 / 1045	"	12.0	4.89	1.35	0.46	6.6		.5	8	0	"
349	11/2	1244 / 1252	"	12.0	5.02	1.24	0.46	6.2		.5	8	0	FC53
350	11/10	0940 / 0950	"	12.0	6.04	0.96	0.55	5.8		.5	8	0	"
351	11/14	0325 / 0416	BLAKELY-CRAY	120.0	130.	6.32	3.85	821.		.5 / .6	16	+.25	FC24
352	11/17	1302 / 1312	BLAKELY	12.0	14.5	1.93	1.27	28.0		.6	8	-.02	"
353	11/25	1032 / 1040	"	12.0	4.73	1.33	0.43	6.3		.5	8	0	FC53
354	12/1	1120 / 1126	"	12.0	4.64	1.27	0.42	5.9		.5	8	0	"
355	12/2	1055 / 1105	"	12.0	5.89	1.70	0.63	10.0		.6	8	0	FC24
356	12/4	1021 / 1024	"	12.0	38.4	9.66	3.33	371.		.6	5	0	"
357	12/5	1407 / 1417	"	12.0	6.16	1.59	0.65	9.8		.6	8	-.01	"
358	12/8	1150 / 1158	"	12.0	4.76	1.34	0.47	6.4		.5	8	0	"
359	12/15	1104 / 1112	"	12.0	4.72	1.23	0.44	5.8		.5	8	0	FC53
360	12/22	1107 / 1115	"	12.0	4.66	1.31	0.42	6.1		.5	8	0	"
361	12/29	1422 / 1430	"	12.0	4.64	1.42	0.45	6.6		.5	8	0	"
362	1/5	0818 / 0926	"	12.0	4.57	1.33	0.43	6.1		.5	8	0	"
363	1/12	1105 / 1115	"	12.0	4.82	1.66	0.46	8.0		.5	8	0	"
364	1/19	1024 / 1032	"	12.0	7.56	0.78	0.45	5.9		.6	8	0	"
365	1/25	1410 / 1456	BLAKELY-SCHUESSLER	120.0	170.	8.35	4.18	1420.		.6	16	+.12	FC24
366	1/26	0540 / 0602	" "	120.0	375.	15.8	5.93	5940		EST. .6	13	+.16	FC43
367	1/29	1658 / 1704	" "	12.0	7.99	1.53	0.72	12.2		.6	8	0	"
368	1/31	1134 / 1142	BLAKELY	12.0	17.4	2.13	1.49	37.0		.6	8	-.02	FC24
369	2/2	1048 / 1056	"	12.0	7.03	1.45	0.65	10.2		.6	8	0	"
370	2/9	1210 / 1218	"	12.0	6.58	1.40	0.59	9.2		.6	8	0	FC53
371	2/16	1045 / 1053	"	12.0	6.50	1.51	0.61	9.8		.6	8	0	"
372	2/23	1228 / 1238	"	12.0	48.5	4.14	3.32	201.		.6	7	+.01	FC24
373	2/25	1255 / 1303	"	12.0	6.56	1.42	0.61	9.3		.6	8	0	"
374	3/1	1200 / 1212	SADDORIS	12.0	7.11	1.32	0.66	9.4		.5	5	0	FC23
375	3/8	1058 / 1108	SJOSTEDT-BLAKELY	12.0	6.13	1.42	0.57	8.7		.6	8	0	FC53
376	3/15	1005 / 1013	BLAKELY	12.0	6.80	1.46	0.62	9.9		.6	8	0	"
377	3/22	1133 / 1141	"	12.0	7.25	1.41	0.64	10.2		.6	8	0	"
378	3/28	0950 / 1006	"	12.0	6.82	1.42	0.61	9.7		.6	8	0	"
379	4/5	1220 / 1228	"	12.0	6.69	1.32	0.59	8.8		.5	8	0	"
380	4/14	1245 / 1253	"	12.0	8.92	1.66	0.81	14.8		.6	8	0	FC24
381	4/20	1045 / 1053	"	12.0	6.83	1.36	0.61	9.3		.6	8	0	FC53
382	4/26	1034 / 1038	"	12.0	27.0	9.59	3.40	259.	FLOATS		6	0	
383	4/27	1252 / 1300	"	12.0	14.1	1.86	1.23	26.3		.6	8	+.02	FC24
384	5/2	1203 / 1211	"	12.0	6.86	1.34	0.61	9.2		.6	8	-.01	FC53
385	5/9	1233 / 1237	"	CHANNELS			3.36	382.	FLOATS			-.01	
386	5/11	1026 / 1034	"	12.0	8.01	1.50	0.73	12.0		.6	8	0	FC24
387	5/17	1107 / 1115	"	12.0	6.94	1.34	0.62	9.3		.6	8	0	FC53
388	5/24	1125 / 1133	"	12.0	6.61	1.36	0.58	9.0		.6	8	00	"
389	5/31	1110 / 1118	"	12.0	6.93	1.21	0.61	8.4		.5	8	0	"
390	6/6	1210 / 1220	BLAKELY	12.0	8.85	1.05	0.78	9.3		.6	8	-.01	FC53
391	6/14	1156 / 1210	"	12.0	13.4	1.51	1.15	20.2		.6	8	-.01	"
392	6/21	1047 / 1058	BLAKELY-HOLLERON	12.0	12.7	1.78	1.09	22.6		.6	8	0	FC53
393	6/28	1028 / 1036	BLAKELY	12.0	12.8	1.74	1.10	22.3		.6	8	0	FC24
394	7/5	1154 / 202	"	12.0	10.2	1.68	0.91	17.1		.6	8	0	"
395	7/12	1146 / 1154	"	12.0	14.0	1.88	1.21	26.3		.6	8	0	"
396	7/19	1343 / 1351	"	12.0	14.7	2.05	1.30	30.1		.6	8	0	"
397	7/26	1107 / 1121	FALCONE-BLAKELY	12.0	15.7	2.20	1.38	34.6		.6	8	0	"
398	8/2	1140 / 1148	BLAKELY	12.0	15.6	2.22	1.35	34.7		.6	8	0	"
399	8/9	1045 / 1110	HOLLERON	12.0	14.3	1.99	1.25	28.4		.6	15	0	FC34
400	8/16	1415 / 1428	SADDORIS	12.0	14.4	1.72	1.22	24.7		.6	7	0	FC55
401	8/23	1107 / 1125	BOWMAN-BLAKELY	12.0	15.8	2.21	1.34	34.9		.6	8	0	FC24
402	8/30	1210 / 1218	BLAKELY	12.0	15.6	2.00	1.34	31.2		.6	8	0	"
403	9/6	1412 / 1420	"	12.0	15.3	1.85	1.29	28.2		.6	8	0	"
404	9/13	1221 / 1229	"	12.0	15.5	1.83	1.34	28.3		.6	8	0	"
405	9/20	1125 / 1135	"	12.0	6.55	1.30	0.59	8.5		.6	8	0	"
406	9/27	1036 / 1046	"	12.0	5.74	1.11	0.52	6.4		.5	8	0	"

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER

AT NEAR Tujunga Avenue 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.	G. HT. CHANGE TOTAL	METER NO.
407	10/4	1058 / 1108	BLAKELY	12.0	22.7	3.83	2.25	76.1		.6	7	-.02	FC24
408	10/5	1516 / 1524	"	12.0	4.23	1.28	0.46	5.4		.5	8	0	"
409	10/11	1455 / 1505	"	12.0	4.72	1.25	0.44	5.9		.5	8	+.01	"
410	10/18	1032 / 1040	"	12.0	4.57	1.25	0.44	5.7		.5	8	0	"
411	10/25	1227 / 1237	BLAKELY-STUNDEN	12.0	4.36	1.24	0.42	5.4		.5	8	0	"
412	11/1	1048 / 1056	BLAKELY	12.0	9.90	1.55	0.87	15.2		.6	8	0	"
413	11/8	1233 / 1241	"	13.0	4.07	1.13	0.37	4.6		.5	8	0	FC53
414	11/15	1105 / 1113	"	12.0	4.79	1.19	0.45	5.7		.5	8	-.01	FC24
415	11/28	1316 / 1324	"	12.0	4.77	1.11	0.43	5.3		.5	8	0	FC53
416	11/29	1052 / 102	"	12.0	5.78	1.04	0.52	6.0		.5	8	0	"
417	12/6	1137 / 145	"	12.0	5.04	1.47	0.57	7.4		.5	8	0	FC24
418	12/13	1023 / 1031	"	12.0	8.22	1.70	0.86	14.0		.6	8	0	"
419	12/20	1249 / 1303	HENSLEY-BLAKELY	12.0	9.61	1.58	0.85	15.2		.6	8	0	"
420	12/27	0837 / 0847	WOOD-BLAKELY	12.0	8.28	1.52	0.77	12.6		.6	8	0	"
421	1/3	1215 / 1223	BLAKELY	12.0	8.95	1.66	0.80	14.9		.6	8	0	"
422	1/5	1120 / 1128	BLAKELY-BOWMAN	12.0	41.0	7.66	3.40	314.		.6	6	+.03	"
423	1/6	1026 / 1035	" "	12.0	5.86	1.57	0.61	9.2		.5	8	0	"
424	1/10	1452 / 500	BLAKELY	12.0	7.47	1.54	0.68	11.3		.6	8	-.02	"
425	1/12	2245 / 2316	BOWMAN-BLAKELY	120.0	295.	12.9	5.66	3830.		.6	15	+.12	"
426	1/13	0145 / 0148	BLAKELY-BOWMAN	120.0	356.	13.4	5.84	4780.	FLOATS		5	-.05	
427	1/13	1611 / 1615	" "	12.0	13.8	8.40	2.67	109.		"	6	-.03	
428	1/14	1362 / 1334	BOWMAN-BLAKELY	12.0	8.05	1.56	0.78	12.5		.6	8	0	FC24
429	1/17	0955 / 1003	BLAKELY	12.0	5.08	1.26	0.46	6.4		.5	8	0	"
430	1/21	1008 / 1020	SALGADO-BLAKELY	12.0	7.01	1.55	0.67	10.9		.6	8	0	"
431	1/24	1244 / 1252	BLAKELY	12.0	24.6	3.16	2.19	77.8	FLOATS		6	-.02	
432	1/27	1203 / 207	"	12.0	14.4	9.30	3.15	134.		"	6	+.01	
433	1/28	1450 / 1458	"	12.0	6.77	1.58	0.70	10.7		.6	8	-.01	FC24
434	1/30	1526 / 1534	"	12.0	9.74	1.57	0.86	15.3		.6	8	0	"
435	2/7	1110 / 1118	"	12.0	5.77	1.41	0.54	8.1		.5	8	0	"
436	2/14	1200 / 1208	"	12.0	6.11	1.45	0.57	8.9		.5	8	0	"
437	2/21	0945 / 0955	ROY-BLAKELY	12.0	5.71	1.34	0.55	7.7		.5	8	0	"
438	2/23	0615 / 0636	BLAKELY-SALGADO	120.0	278.	12.8	5.21	3470.		.6	13	-.28	"
439	2/24	1250 / 1256	" "	12.0	8.52	1.58	0.78	13.5		.6	8	0	"
440	2/28	1042 / 1050	BLAKELY	12.0	13.6	1.67	1.17	22.7		.6	8	+.02	"
441	3/1	1230 / 1238	"	12.0	24.6	2.74	2.13	67.4		.6	8	-.02	"
442	3/2	1152 / 1200	"	12.0	8.64	1.54	0.76	13.3		.6	8	0	"
443	3/7	1100 / 1108	"	12.0	6.43	1.54	0.64	9.9		.6	8	0	"
444	3/11	1238 / 1246	"	12.0	6.19	1.55	0.62	9.6		.6	8	0	"
445	3/13	1422 / 1430	"	12.0	6.02	1.43	0.56	8.6		.6	8	0	"
446	3/17	1050 / 1056	BLAKELY-SALGADO	12.0	6.70	1.73	0.70	11.6		.6	8	0	"
447	3/21	1100 / 1116	BROOK-BLAKELY	12.0	5.52	1.54	0.53	8.5		.6	8	0	"
448	3/28	1055 / 1105	BLAKELY	12.0	5.79	1.52	0.59	8.8		.5	8	0	"
449	4/4	1150 / 1158	"	12.0	5.91	1.38	0.51	8.2		.5	8	0	"
450	4/11	1502 / 1510	"	12.0	5.55	1.42	0.56	7.9		.5	8	0	FC53
451	4/19	1127 / 1135	"	12.0	6.40	1.61	0.72	10.3		.6	8	0	FC24
452	4/21	1333 / 1349	HUGHES-BLAKELY	12.0	7.22	1.68	0.76	12.1		.6	8	0	"
453	4/25	1122 / 1142	MC BRIDE-BLAKELY	12.0	5.41	1.46	0.55	7.9		.6	8	0	FC53
454	5/2	1347 / 1400	BOWMAN	12.0	5.58	1.36	0.58	7.6		.6	13	0	FC6
455	5/9	1515 / 1530	BOWMAN-FALCONE	12.0	6.38	1.30	0.62	8.3		.5	8	0	"
456	5/16	1024 / 1038	ROY-BLAKELY	12.0	9.83	1.75	0.90	17.2		.6	8	0	FC24
457	5/23	1036 / 1048	WOOD-BLAKELY	12.0	6.52	1.45	0.61	9.5		.6	8	0	"
458	5/29	1320 / 1335	BOWMAN	12.0	6.58	1.40	0.62	9.2		.5	8	0	FC26
459	6/6	1342 / 1355	BLAKELY-LINDSAY	12.0	6.40	1.37	0.61	8.8		.6	8	-.01	FC53
460	6/13	1310 / 1330	BOWMAN	12.0	5.86	1.41	0.57	8.3		.5	8	-.01	"
461	6/20	1355 / 1415	"	12.0	7.52	1.38	0.70	10.5		.6	13	-.01	"
462	6/27	1053 / 1103	BLAKELY	12.0	7.22	1.23	0.67	8.9		.6	8	0	"
463	7/3	1330 / 1338	WOOD-SARASUA	12.0	7.03	1.36	0.66	9.6		.6	8	0	"
464	7/11	1408 / 1428	SARASUA-WOOD	12.0	7.50	1.38	0.71	10.3		.5	11	+.01	"
465	7/18	1445 / 1505	SARASUA	12.0	7.54	1.31	0.75	9.9		.6	13	0	"
466	7/25	1156 / 1206	BLAKELY	12.0	7.93	1.44	0.75	11.4		.6	8	0	"
467	8/1	1404 / 1422	WOOD	12.0	8.96	1.38	0.78	12.3		.6	13	0	"
468	8/8	1403 / 1425	BOWMAN	12.0	7.57	1.43	0.75	10.8		.6	13	0	"
469	8/15	1152 / 1215	"	12.0	7.85	1.43	0.74	11.2		.6	15	-.02	"
470	8/22	1245 / 1258	SARASUA-BLAKELY	12.0	8.88	1.56	0.83	13.8		.6	8	0	"
471	8/29	1335 / 1355	SARASUA	12.0	8.73	1.43	0.82	12.5		.6	8	-.01	"
472	9/5	1420 / 1445	ROY	12.0	9.93	1.57	0.89	15.6		.6	10	0	FC51
473	9/12	1415 / 1445	BOWMAN	12.0	9.39	1.56	0.88	14.6		.5	13	-.01	FC53
474	9/19	1210 / 1227	ROY-BOWMAN	12.0	9.74	1.62	0.88	15.8		.6	14	-.01	"
475	9/26	1252 / 1305	BOWMAN	12.0	9.96	1.51	0.90	15.1		.6	13	-.04	"

78D74M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F300R

Daily discharge, in second-feet of LOS ANGELES RIVER at Tujunga Avenue, for the year ending September 30, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	26	65	55	61	125	87	22	100	83	172	27	31
2	26	65	180	61	100	89	108	93	89	178	35	30
3	24	63	61	61	105	95	91	95	85	178	35	30
4	195	65	217	61	100	98	95	93	85	172	35	29
5	16	67	180	61	100	100	89	100	135	175	35	29
6	158	63	21	61	98	85	93	98	121	180	34	29
7	158	61	108	69	100	87	89	95	105	170	28	29
8	158	57	73	71	95	93	93	150	160	170	28	29
9	158	57	75	67	91	102	93	357	21	180	29	29
10	158	73	74	73	93	98	98	37	23	178	28	29
11	b131	73	57	81	93	93	197	125	22	180	27	28
12	104	73	57	83	93	91	1130	98	22	26	26	28
13	77	76	57	75	100	91	136	89	24	195	26	28
14	76	269	61	71	105	93	28	85	21	188	26	28
15	74	79	61	69	115	91	112	87	182	185	25	28
16	72	69	57	61	100	91	112	95	178	185	24	28
17	70	170	57	59	89	89	102	95	178	195	24	25
18	68	75	59	61	91	91	102	89	185	21	24	91
19	66	65	59	65	89	89	95	87	180	30	23	75
20	64	61	63	73	87	93	93	87	22	33	23	73
21	64	83	61	77	91	89	93	89	23	33	25	75
22	64	85	63	61	116	98	91	100	22	33	34	75
23	63	73	32	133	113	95	93	98	22	33	34	73
24	b 63	65	23	63	165	93	95	98	22	34	33	75
25	63	63	59	708	95	93	100	100	22	34	32	71
26	65	63	92	3890	89	91	80	91	22	32	33	69
27	65	61	31	261	87	91	181	85	22	26	32	69
28	63	65	75	28	87	91	100	91	22	25	32	75
29	65	67	67	128	85	95	98	83	23	24	31	77
30	65	65	63	102		100	98	83	180	24	31	75
31	65		63	137		100		81		25	31	
	3412	5504	7031	5306.6	3914	2882	18344	6700	5496	7211	910.0	5843
MEAN	11.0	18.3	22.7	171.	13.5	9.30	61.1	21.6	18.0	23.3	29.4	19.5
ACRE-FEET	677.	1090.	1390.	10530.	776.	572.	3640.	1330.	1090.	1430.	1800.	1160.

Remarks:

YEAR OR PERIOD MEAN 35.1
ACRE-FEET 25,490.

78D74M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

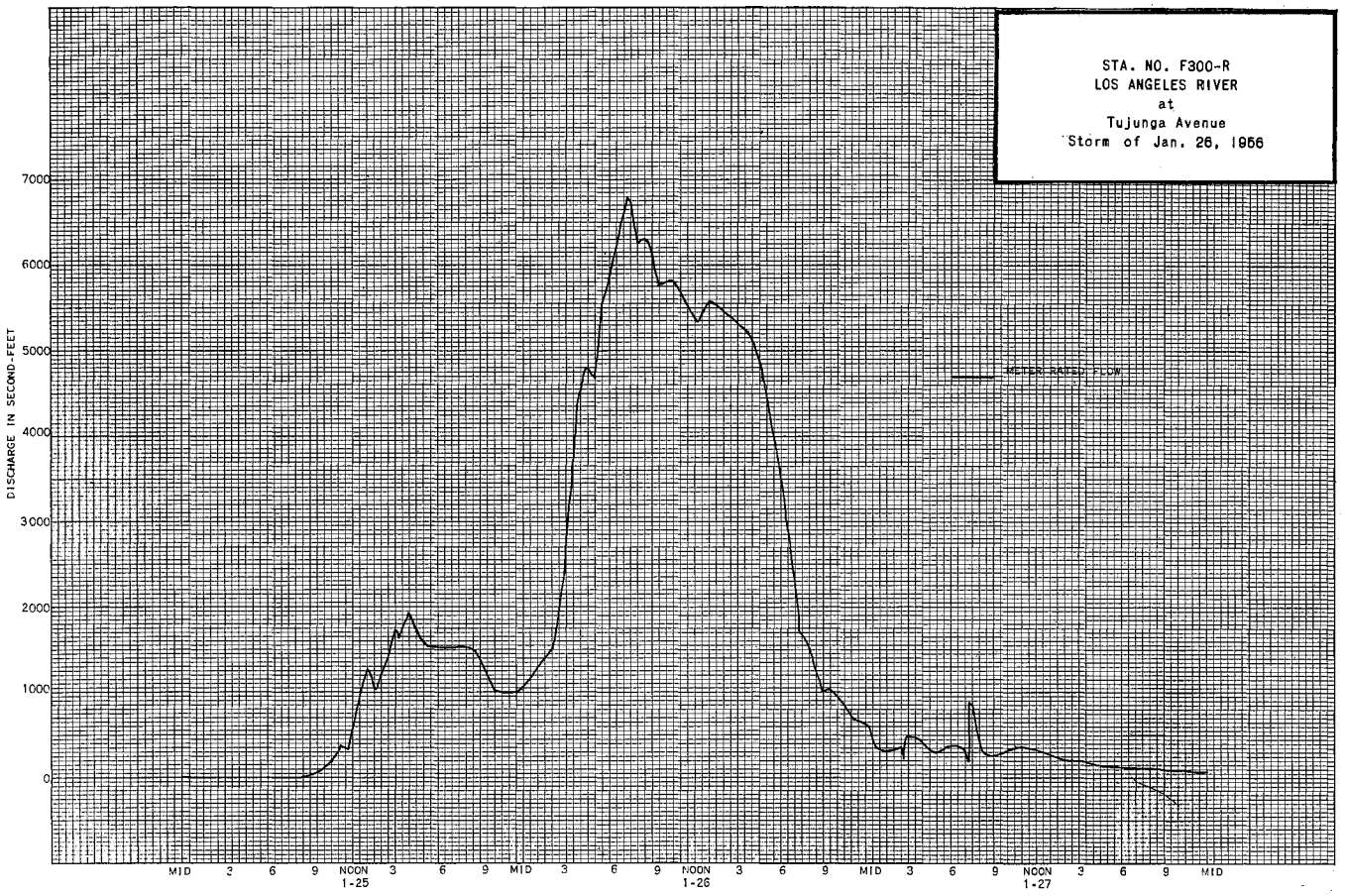
Sta. No. F300-R

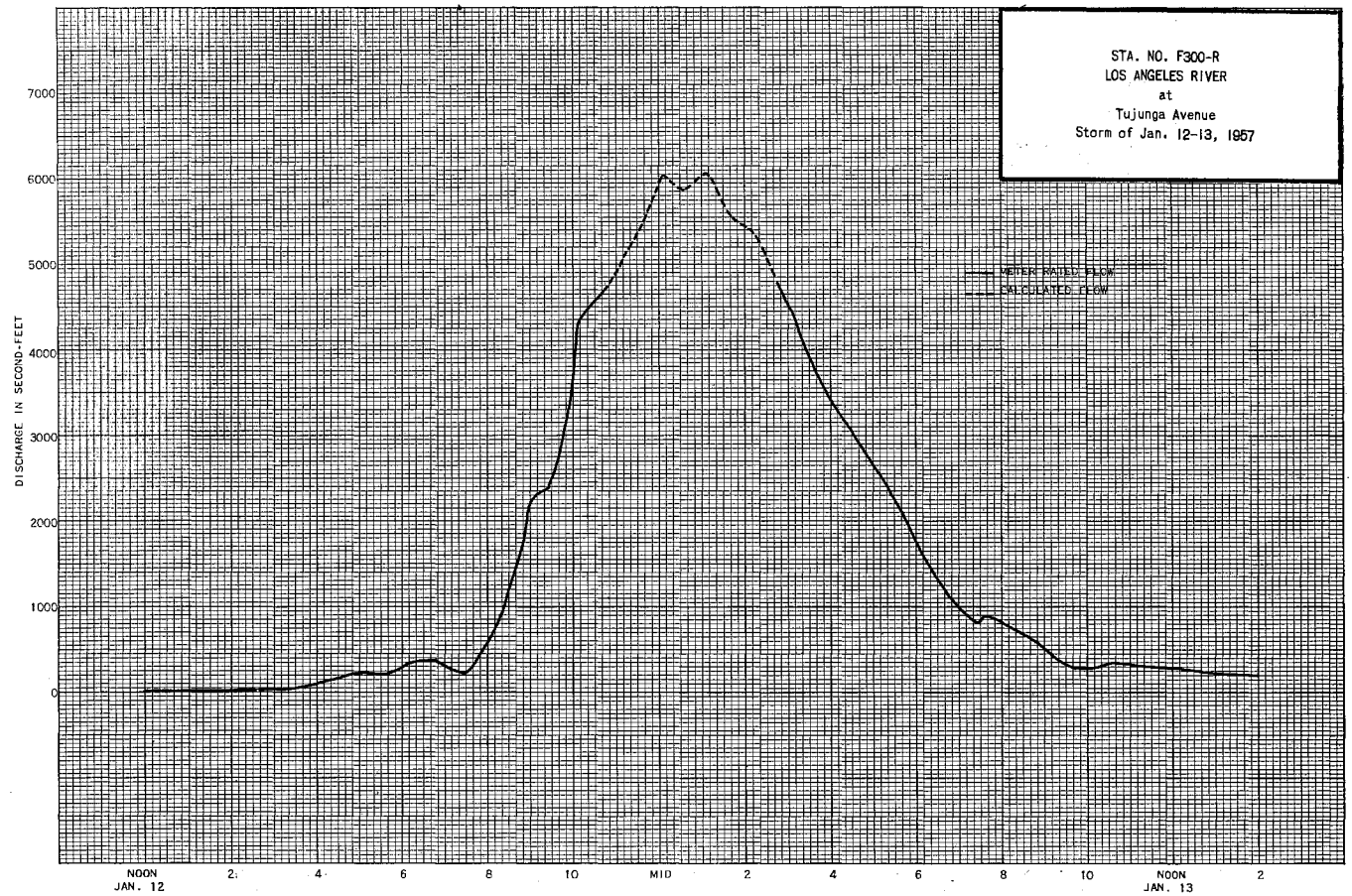
Daily discharge, in second-feet of LOS ANGELES RIVER at Tujunga Avenue, for the year ending September 30, 1957

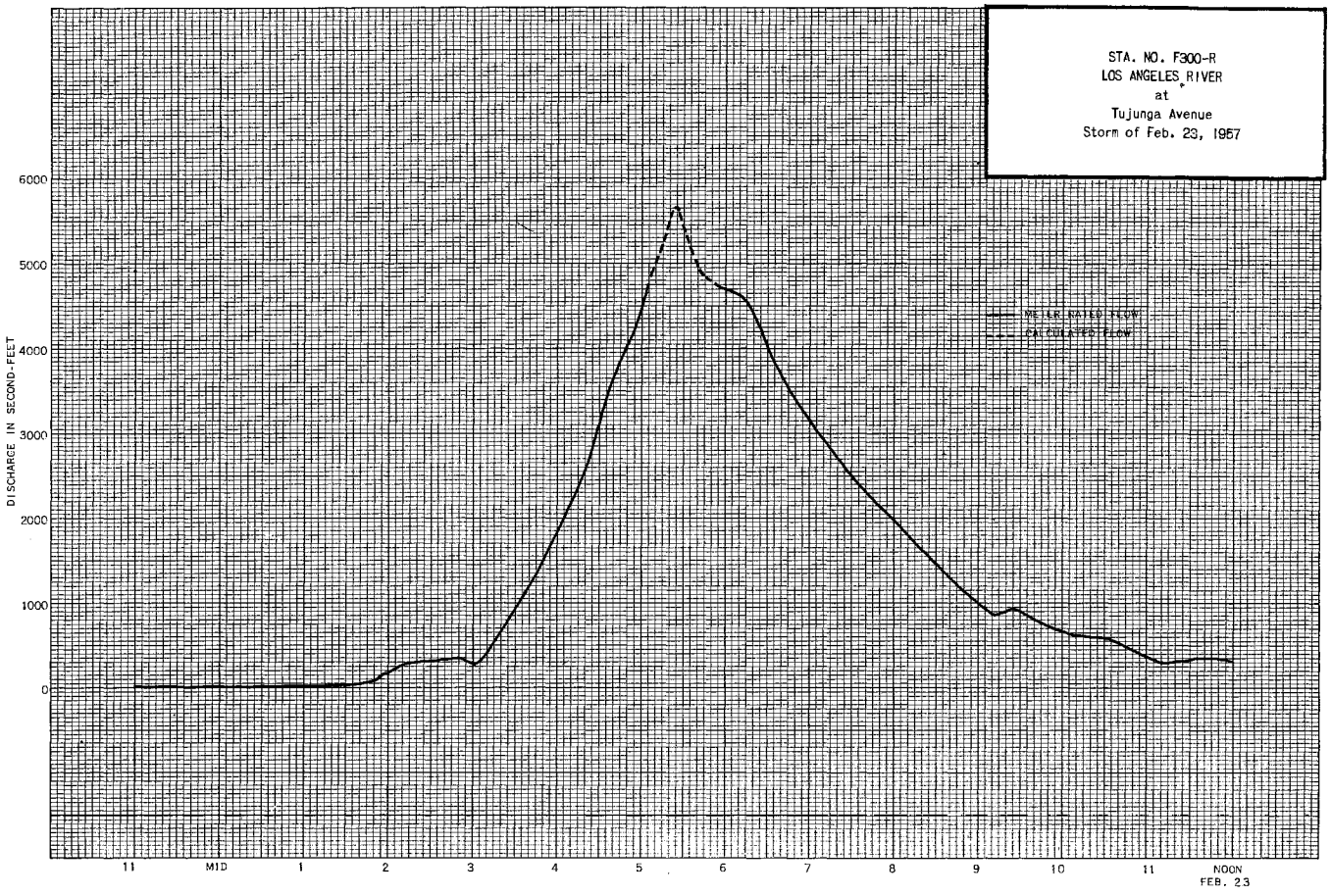
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	73	148	69	148	91	238	81	85	93	87	122	138
2	73	71	67	150	97	135	77	81	91	98	145	135
3	71	50	71	155	83	87	81	75	91	93	132	142
4	39	49	73	166	93	81	83	71	89	98	118	150
5	57	46	30	725	81	75	87	75	91	85	125	158
6	50	46	103	104	97	98	91	77	89	83	125	162
7	49	48	95	26	97	100	83	83	89	81	118	150
8	48	48	52	124	137	100	91	83	105	83	112	145
9	50	49	46	65	91	130	81	85	89	91	112	145
10	55	49	62	81	87	142	85	198	24	115	115	162
11	59	73	142	63	87	95	83	200	79	108	120	155
12	57	59	142	651	87	102	87	20	91	118	112	150
13	59	50	148	1300	91	91	87	105	89	110	122	155
14	57	55	145	178	91	85	85	150	93	108	125	155
15	57	55	145	85	91	85	83	180	83	112	112	150
16	59	50	145	73	89	301	89	150	81	118	95	150
17	61	54	148	67	85	118	86	93	81	125	122	155
18	57	55	152	188	89	100	183	112	85	120	132	155
19	57	52	150	21	85	110	108	62	93	122	135	155
20	59	48	155	140	81	87	143	112	93	120	138	160
21	50	49	158	118	81	98	183	158	95	115	145	152
22	52	55	63	77	79	83	91	98	87	115	140	138
23	54	57	52	52	868	91	87	98	83	118	145	140
24	54	57	50	112	161	87	83	91	83	118	138	138
25	55	59	46	26	102	87	83	87	89	115	135	148
26	54	59	45	190	102	85	79	85	89	118	138	140
27	55	63	123	126	98	87	85	85	91	125	135	132
28	89	63	148	186	278	87	77	87	83	112	148	132
29	48	61	155	493		79	79	91	87	115	140	128
30	136	65	150	23		81	79	98	85	128	135	132
31	150		148	102		91		98		138	138	
	2295	1743	3508	4098.0	1387.3	933.7	6508	6511	2807	3392	3974	4407
MEAN	7.40	5.81	11.3	132.	49.5	30.1	21.7	21.0	9.36	10.9	12.8	14.7
ACRE-FEET	455.	346.	696.	8130.	2750.	1850.	1290.	1290.	557.	673.	788.	874.

Remarks:

YEAR OR PERIOD MEAN 27.2
ACRE-FEET 19,700.


STA. NO. F300-R
LOS ANGELES RIVER
at
Tujunga Avenue
Storm of Jan. 26, 1956
METER RATED FLOW
DISCHARGE IN SECOND-FEET
7000
6000
5000
4000
3000
2000
1000
0
MID 3 6 9 NOON 3 6 9 MID 3 6 9 NOON 3 6 9 MID 3 6 9 NOON 3 6 9 MID
1-25
1-26
1-27


STA. NO. F300-R
LOS ANGELES RIVER
at
Tujunga Avenue
Storm of Jan. 12-13, 1957
METER RATED FLOW
CALCULATED FLOW
DISCHARGE IN SECOND-FEET
7000
6000
5000
4000
3000
2000
1000
0
NOON 2 4 6 8 10 MID 2 4 6 8 10 NOON 2
JAN. 12
JAN. 13



STATION F266-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 CENTERLINE OF MARIPOSA STREET EXTENDED, AND ABOUT 2 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 2.25 FEET DEEP, OF WHICH THE BOTTOM 82 FEET IS FLAT. CHANNEL FORMS CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM EQUESTRIAN BRIDGE 70 FEET ABOVE STATION.

RECORDER: INSTALLED DECEMBER 20, 1938 IN A CONCRETE HOUSE OVER A 4 FT X 4.3 FT. CONCRETE STILLING WELL. AN H.C.F. RECORDER WAS IN SERVICE FROM OCTOBER 1, 1955 TO SEPTEMBER 30, 1957.

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, 1957.

EXTREMES OF DISCHARGE:

1955-56
MAXIMUM 7910 SECOND-FEET JANUARY 26.
MINIMUM ND FLOW NOVEMBER 26 TO 30.

1956-57
MAXIMUM 8100 SECOND-FEET FEBRUARY 23.
MINIMUM NO FLOW AT VARIOUS TIMES.

1938-57
MAXIMUM 12740 SECOND-FEET JANUARY 18, 1952.
MINIMUM NO FLOW AT TIMES WHEN LOS ANGELES WATER DEPARTMENT IS DIVERTING FLOW.

ACCURACY: FAIR.

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.

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER

AT Mariposa Street 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.
738	10/6	0954 / 1002	BLAKELY	8.0	5.43	0.66	0.14	3.6		.6	9	0	FC53
739	10/13	0926 / 0936	"	6.5	4.06	0.57	0.14	2.3		.6	8	0	"
740	10/20	0857 / 0905	"	8.0	3.98	0.53	0.14	2.1		.6	10	0	"
741	10/27	0952 / 1000	"	5.4	1.88	1.12	0.14	2.1		.5	8	0	"
742	11/3	1007 / 1015	"	8.0	4.02	0.52	0.14	2.1		.5 .6	9	0	"
743	3/1	1130 / 1140	SADDORIS	84.0	8.0	1.51	0.16	12.1	FLOATS		6	0	
744	3/28	1022 / 1034	BLAKELY	12.0	8.94	1.24	0.15	11.1		.6	8	0	FC53

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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 56

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	b 3.4	b 2.1	53	b 7.2	15.0	b11.6	19.8	a 11.0	b 0.1	b 0.3	b 0.5	b 0.5
2	3.4	2.1	26	7.3	b 12.1	11.4	17.2	f 11.0	b 0.1	0.3	0.5	0.5
3	3.4	2.1	9.0	7.3	11.9	11.2	b 12.0	b 11.2	b 0.1	0.2	0.5	0.5
4	3.5	2.0	247	7.4	11.6	11.0	12.0	11.2	+	0.1	0.5	0.5
5	3.5	2.0	26	7.4	11.4	10.7	11.9	11.2		0.1	0.5	0.5
6	3.5	1.8	21	7.4	11.2	10.4	12.0	11.2		0.1	0.5	0.5
7	3.4	2.0	15.0	7.4	10.9	10.2	12.0	b 11.2		0.1	0.5	0.5
8	3.2	1.0	b 8.0	7.4	10.7	10.0	12.0	f 13.4		0.1	0.5	0.5
9	3.0	0.5	7.9	7.4	10.5	10.0	12.0	377	+	0.1	0.5	0.5
10	2.9	0.3	7.8	7.5	10.5	10.1	b 12.0	53	11.2	0.1	0.5	0.5
11	2.7	1.2	7.7	7.5	10.5	10.1	240	b 16.0	21	0.1	0.5	0.5
12	2.5	b 1.5	7.6	7.5	10.5	10.2	1840	12.0	17.0	0.1	0.5	0.5
13	2.3	3.6	7.5	7.5	10.5	10.2	186	12.0	19.0	0.1	0.5	0.5
14	2.3	301	7.4	7.5	10.5	10.3	39	12.0	10.7	0.1	0.5	0.5
15	2.3	13.0	7.3	7.6	10.5	10.3	b 11.0	12.0	b 0.5	0.1	0.5	0.5
16	2.2	b 9.0	7.3	7.6	10.5	10.3	11.0	12.0	0.5	0.1	0.5	0.5
17	2.2	19.0	7.2	7.6	10.6	10.3	11.0	11.7	0.5	0.1	0.5	0.5
18	2.1	9.0	7.2	7.6	10.7	10.2	11.0	11.6	0.5	0.1	0.5	0.5
19	2.1	8.0	7.1	7.6	10.7	10.2	11.0	11.5	0.5	0.1	0.5	0.5
20	2.1	7.6	7.1	7.6	10.8	10.1	11.0	11.4	0.5	0.1	0.5	0.5
21	2.1	92	7.0	7.6	10.9	10.1	11.0	11.3	0.5	0.2	0.5	0.5
22	2.1	10.0	b 7.0	7.6	b 11.0	10.1	11.0	11.2	0.5	0.3	0.5	0.6
23	2.1	8.1	34	15.0	180	10.2	11.0	11.1	0.5	0.3	0.5	0.7
24	2.2	1.5	23	b 11.0	25	10.4	11.0	11.0	0.5	0.4	0.5	0.8
25	2.2	b 0.2	7.4	907	b 11.0	10.6	b 11.0	11.0	0.5	0.5	0.5	0.9
26	2.2	0	80	4910	10.5	10.8	f 176	11.0	0.5	0.5	0.5	1.0
27	2.2	0	44	359	10.2	11.0	a 22	11.0	0.5	0.5	0.5	1.0
28	2.2	0	b 9.0	37	10.2	11.1	12.0	11.0	0.5	0.5	0.5	1.0
29	2.2	0	7.1	15.0	b 10.0	10.2	12.0	5.2	0.5	0.5	0.5	1.0
30	2.2	0	7.1	101		10.2	a 12.0	b 0.1	b 0.4	0.5	0.5	b 1.0
31	b 2.1		b 7.2	225		b10.2		b 0.1		b 0.5	b 0.5	
	79.8		793.5		500.4		2792.9		87.1		15.5	
		500.6		6744.5		3237		737.6		7.2		18.5
MEAN	2.57	16.7	25.6	218.	17.3	10.4	93.1	23.8	2.90	0.23	0.50	0.62
ACRE-FEET	158.	993.	1570.	13380.	993.	642.	5540.	1460.	173.	14.	31.	37.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 34.4
ACRE-FEET 24,990.

76DT4M Cib 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

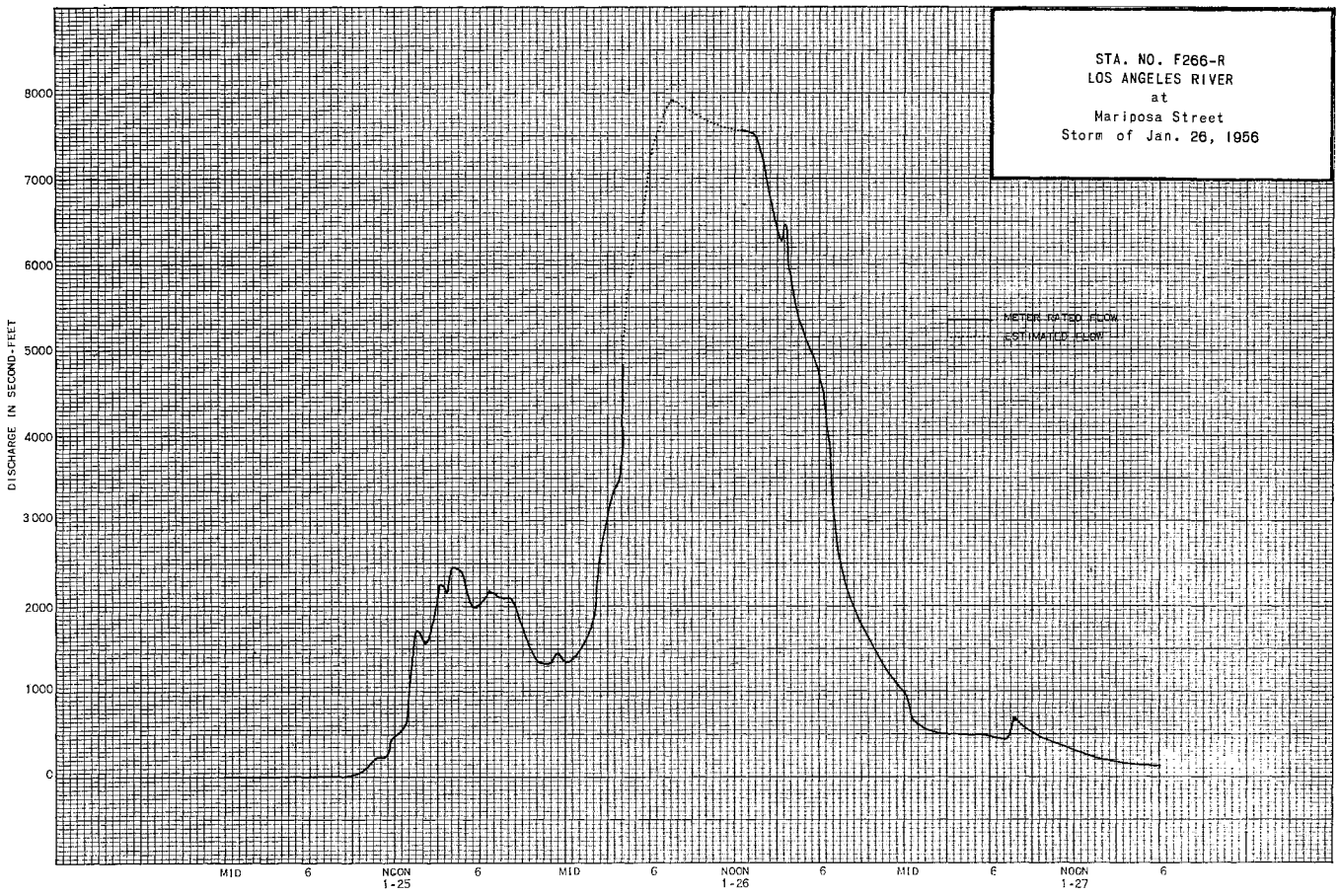
Sta. No. F266-R

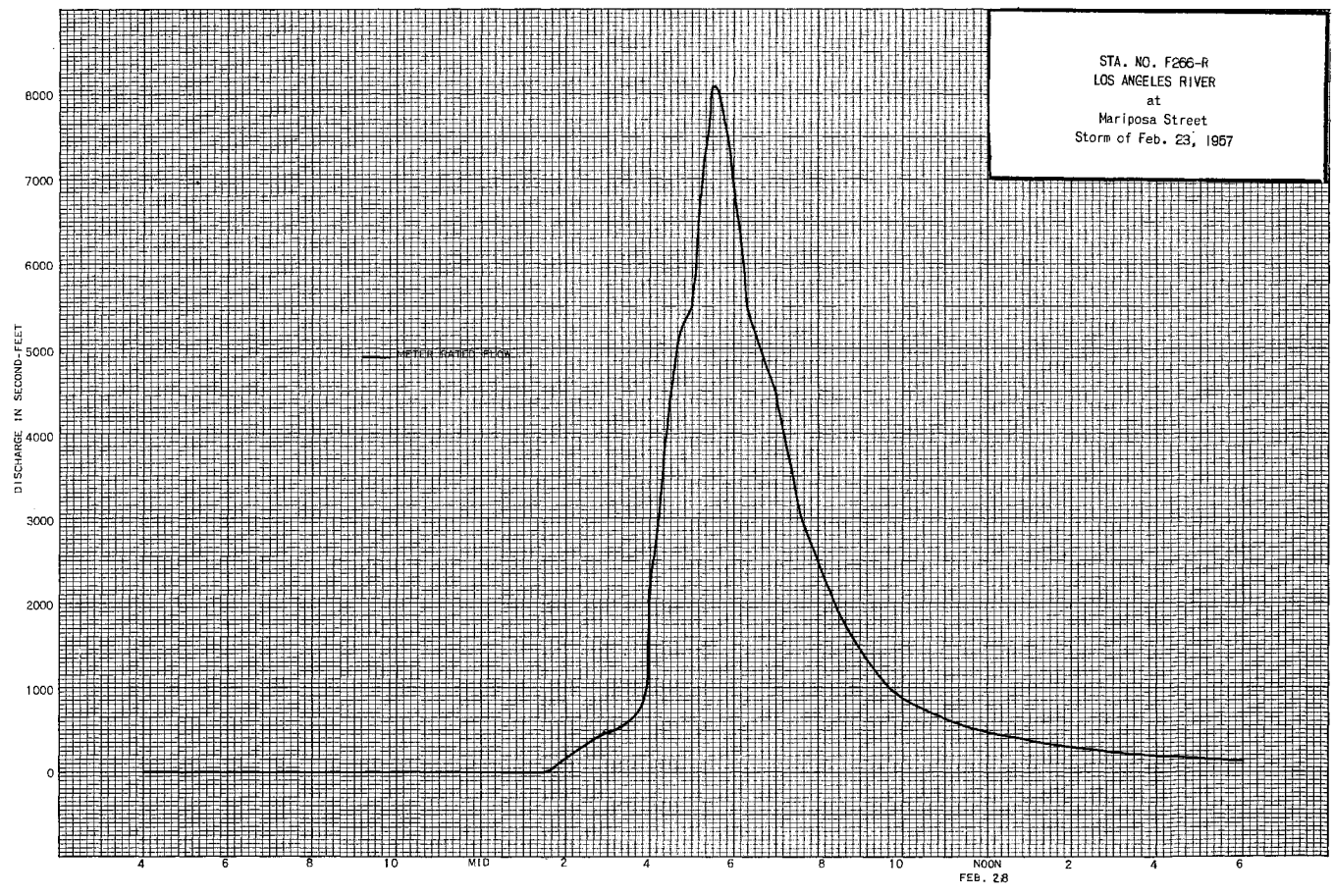
Daily discharge, in second-feet of LOS ANGELES RIVER at Mariposa Street, for the year ending September 30, 19 57

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	b 1.0	b 16.4	b 5.0	0	0	b 28.5	b 9.9	b 10.2	b 0.2	+	0	0
2	b 1.0	8.5	5.0	0	0	16.0	10.0	10.4	0.2		0	0
3	b 1.0	5.6	5.0	0	0	10.5	10.1	10.4	0.2		0	0
4	3.9	5.6	b 5.0	2.0	0	10.5	10.1	10.5	0.1		0	0
5	12.3	5.6	4.4	827	0	10.5	10.1	10.6	0.1		0	0
6	b 8.8	5.6	9.9	15.7	0	10.5	10.1	10.7	0.1	+	0	0
7	8.1	5.6	b 7.0	31	0	10.5	10.0	10.8	0.1	0	0	0
8	7.5	5.6	6.7	17.2	3.8	10.5	10.0	10.9	0.1	0	0	0
9	6.8	5.7	6.1	b 10.5	b 0.2	158	9.9	10.9	b 0.1	0	0	0
10	4.9	5.8	6.1	b 15.0	0.2	18.6	9.9	25	+	0	0	0
11	0.8	5.9	15.3	b 10.3	0.2	9.8	9.9	335		0	0	0
12	0.8	6.0	12.3	713	0.2	9.8	10.0	25		0	0	0
13	0.2	6.1	10.5	1670	0.2	9.8	10.0	14.0		0	0	0
14	0	6.2	9.3	23	0.2	9.8	10.0	17.0		0	0	0
15	0	6.3	5.4	11.0	0.2	9.8	10.0	24		0	0	0
16	0.5	6.2	3.5	9.0	0.2	360	10.0	17.3		0	0	0
17	1.6	6.0	3.6	7.0	0.3	12.6	104	13.0		0	0	0
18	2.5	5.9	3.7	17.0	0.3	10.4	22.0	14.0		0	0	0
19	2.7	5.8	3.8	v 22	0.4	10.4	11.3	75		0	0	0
20	2.7	5.6	4.1	213	0.4	10.4	172	12.2		0	0	0
21	2.6	5.5	3.5	v 13.8	0.4	10.4	19.8	16.8		0	0	0
22	2.6	5.3	6.2	v 9.7	b 0.4	10.3	9.0	10.8		0	0	0
23	2.5	5.2	7.9	57	1165	10.2	9.0	10.4		0	0	0
24	2.5	5.2	7.7	143	b 2.9	10.0	9.0	5.4		0	0	0
25	2.5	5.1	7.4	34	19.0	9.9	9.0	0.3		0	0	0
26	2.5	5.1	b 6.2	272	13.0	9.8	9.2	0.3		0	0	0
27	2.5	5.0	0	150	10.0	9.7	7.4	0.3		0	0	0
28	11.4	5.0	0	33	b335	9.6	9.6	0.3		0	0	0
29	6.2	5.0	0	587		9.6	9.8	0.3		0	0	0
30	15.0	b 5.0	0	33		9.7	b 10.0	0.3	+	0	0	0
31	b 16.4		0	11.9		b 9.8		b 0.3		0	0	
	168.9		210.2		1578.6		771.1		1.2		0	
		161.4		4958.1		1102.4		712.4		+		0
MEAN	5.45	6.05	6.78	160.	56.4	35.6	25.7	23.0	0.04	+	0	0
ACRE-FEET	335.	360.	417.	9830.	3130.	2190.	1530.	1410.	2.4	+	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 26.5
ACRE-FEET 19,200.


STA. NO. F266-R
LOS ANGELES RIVER
at
Mariposa Street
Storm of Jan. 26, 1956
METER RATED FLOW
ESTIMATED FLOW
DISCHARGE IN SECOND-FEET
8000
7000
6000
5000
4000
3000
2000
1000
0
MID
6
NOON
1-25
6
MID
6
NOON
1-26
6
MID
6
NOON
1-27
6


STA. NO. F266-R
LOS ANGELES RIVER
at
Mariposa Street
Storm of Feb. 23, 1957
METER RATED FLOW
DISCHARGE IN SECOND-FEET
8000
7000
6000
5000
4000
3000
2000
1000
0
4
6
8
10
MID
2
4
6
8
10
NOON
FEB. 28
2
4
6

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 GEIGHT, 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 1 FOOT DEEP. CHANNEL FORMS CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM CABLE CAR 15 FEET ABOVE GAGE.

RECORDER: INSTALLED MAY 26, 1938 AT STATION F57B-R. REMOVED APRIL 5, 1939. INSTALLED AT STATION F57C-R DECEMBER 8, 1939 IN A 4.5 FT. X 4.5 FT. CONCRETE HOUSE AND STILLING WELL COMBINED. A FRIEZ CONTINUOUS RECORDER, FURNISHED BY CORPS OF ENGINEERS, DEPARTMENT OF THE ARMY, WAS IN SERVICE FROM OCTOBER 1, 1955 TO SEPTEMBER 30, 1957.

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, 1938 TO APRIL 5, 1939, APRIL 5, 1939 TO DECEMBER 8, 1939 BI-WEEKLY MEASUREMENTS.
AT STATION F57C-R - DECEMBER 8, 1939 TO SEPTEMBER 30, 1957.

EXTREMES OF DISCHARGE:
1955-56
MAXIMUM 15300 SECOND-FEET JANUARY 26.
MINIMUM LESS THAN 0.05 CFS AUGUST 10.
1956-57
MAXIMUM 22190 SECOND-FEET FEBRUARY 23.
MINIMUM 0.2 SECOND-FOOT IN AUGUST.
1929-57 (STATIONS F57-R, F57B-R, F57C-R).
MAXIMUM 68000 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 STATED GEOLOGICAL SURVEY, WATER RESOURCES BRANCH.

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER

NEAR above Arroyo Seco 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.
1385	10-6	1518 / 1526	BLAKELY	16.8	2.67	1.05	0.21	2.8		.5	11	0	FC53
1386	10/13	1331 / 1341	"	16.8	3.07	1.07	0.23	3.3		.5	11	0	"
1387	10/20	1250 / 1258	"	16.9	3.08	1.29	0.24	4.1		.5	11	0	"
1388	10/27	1325 / 1335	"	16.9	3.22	1.12	0.24	3.6		.5	11	0	"
1389	11/3	1107 / 1117	"	17.1	3.88	1.31	0.29	5.1		.5	11	0	"
1390	11/10	1303 / 1313	"	16.9	3.24	1.35	0.27	4.4		.5	11	0	"
1391	11/14	0854 / 0921	BLAKELY-CRAY	177.0	230.	8.00	2.25	1840.		.6	17	-.17	FC24
1392	11/15	0903 / 0913	BLAKELY	17.1	4.89	1.78	0.29	8.7		.5	11	0	FC53
1393	11/17	1437 / 1447	"	18.2	10.5	3.54	0.62	37.2		.5	11	+.04	FC24
1394	11/22	1021 / 1032	"	17.1	4.89	2.31	0.33	11.3		.5	11	-.02	FC53
1395	11/25	1249 / 1259	"	16.6	2.32	1.03	0.17	2.4		.5	11	0	"
1396	12/1	1436 / 1442	"	18.8	13.4	39.8	0.75	53.3		.6	8	+.06	"
1397	12/2	1323 / 1330	"	17.0	7.48	2.38	0.46	17.8		.5	11	0	"
1398	12/8	1340 / 1350	"	17.0	2.15	1.38	0.22	3.0	FLOATS	6	0	"	
1399	12/15	1317 / 1327	"	17.9	6.74	0.99	0.26	6.7		.5	11	0	"
1400	12/22	1320 / 1330	"	17.8	6.04	1.01	0.26	6.1		.5	11	0	"
1401	12/29	1002 / 1012	"	17.6	4.93	1.56	0.27	7.7		.5	11	0	"
1402	1/5	1100 / 1108	"	18.0	5.16	1.70	0.30	8.8		.5	12	0	"
1403	1/12	1256 / 1306	"	17.4	5.34	1.87	0.32	10.0		.5	11	0	"
1404	1/19	1322 / 1330	"	17.7	4.65	1.59	0.26	7.4		.5	11	0	"
1405	1/25	1730 / 1802	BLAKELY-SCHUESSLER	177.0	288.	9.83	2.70	2780.		.6	15	+.01 / -.01	FC24
1406	1/25	2244 / 2301	" "	177.0	235.	9.23	2.44	2170.		.6	15	-.03	FC43
1407	1/26	0911 / 0915	BLAKELY-SCHUESSLER	177.0	671.	14.2	4.69	9540.	FLOATS		8	-.05	
1408	1/26	1119 / 1123	" "	177.0	763.	15.3	5.21	11660.		"	5	+.02	
1409	1/26	2140 / 2208	BLAKELY	177.0	247.	8.60	2.37	2120.		.6	15	-.09	FC43
1410	1/30	1204 / 1210	"	18.4	7.81	0.84	0.25	6.6		.5	11	0	FC53
1411	1/31	0220 / 0244	"	177.0	172.	7.18	1.84	1240.		.5 / .6	16	-.04	FC24
1412	1/31	1416 / 1426	"	CHANNELS			1.06	94.5		.6	12	0	"
1413	2/2	1300 / 1310	"	18.0	5.49	1.13	0.24	6.2		.5	11	0	FC53
1414	2/9	1454 / 1502	"	18.5	8.45	1.05	0.28	8.9		.5	11	0	"
1415	2/16	1450 / 1500	"	19.2	9.54	1.25	0.31	11.9		.5	12	0	"
1416	2/23	1450 / 1516	"	177.0	198.	7.40	1.97	1470.		.5 / .6	15	+.27	FC24
1417	2/24	1548 / 1558	"	18.0	8.52	2.46	0.48	21.0		.5	8	0	"
1418	3/1	0923 / 0932	SADDORIS	17.1	4.82	1.67	0.33	8.0		.5	11	0	FC23
1419	3/8	1350 / 1402	SJOSTEDT-BLAKELY	16.7	3.22	1.68	0.29	5.4		.5	12	+.01	FC53
1420	3/15	1252 / 1302	BLAKELY	19.6	9.88	1.64	0.36	16.2		.5 / .6	12	0	"
1421	3/22	1318 / 1328	"	18.0	7.02	1.54	0.28	10.8		.5	11	0	"
1422	3/28	1426 / 1436	"	17.0	3.62	1.77	0.23	6.4		.5	11	0	"
1423	4/5	1450 / 1500	"	19.0	7.94	1.49	0.30	11.8		.5	12	0	"
1424	4/12	0205 / 0227	"	177.0	295.	9.73	2.77	2870.		.6	15	+.01 / -.05	FC24
1425	4/12	1140 / 1200	"	177.0	303.	9.27	2.72	2810.		.5 / .6	15	-.08	"
1426	4/13	1249 / 1305	"	177.0	62.2	3.40	1.22	215.		.5 / .6	15	+.06	" FC53
1427	4/14	1625 / 1635	"	18.0	8.26	3.01	0.52	24.9		.6	11	0	FC24
1428	4/20	1333 / 1341	"	16.8	4.81	1.97	0.29	9.5		.5	11	0	FC53
1429	4/26	1255 / 1315	"	177.0	179.	6.42	1.70	1150.		.5 / .6	15	-.08	FC24

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.
1430	4/27	1453 / 1503	BLAKELY	17.6	10.1	2.21	0.50	22.3		.6	11	0	FC24
1431	5/2	1344 / 1354	"	19.0	5.81	1.60	0.27	9.3		.5	12	0	FC53
1432	5/9	0904 / 0927	"	177.0	217.	7.63	2.10	1660.		.6	15	-.05 +.12	FC24
1433	5/10	1347 / 1355	"	18.7	13.3	3.79	0.76	50.4		.6	11	0	FC24
1434	5/17	1300 / 1308	"	17.2	4.90	2.04	0.31	10.0		.5	11	0	"
1435	5/24	1320 / 1340	"	17.2	3.51	0.94	0.21	3.3		.5	11	0	FC53
1436	5/31	1440 / 1446	"	16.5	3.30	1.12	0.21	3.7	FLOATS		6	0	
1437	6/6	1449 / 1457	"	16.5	2.96	1.11	0.20	3.3	"		6	0	
1438	6/14	1415 / 1425	"	18.5	9.85	2.03	0.43	20.0		.5	11	0	FC53
1439	6/21	1400 / 1410	BLAKELY-HOLLERON	16.5	2.63	0.99	0.20	2.6	FLOATS		6	0	
1440	6/28	1448 / 1458	BLAKELY	18.3	5.18	0.73	0.20	3.8		.5	12	0	FC53
1441	7/5	1420 / 1428	"	17.3	2.64	0.83	0.17	2.2		.5	11	0	"
1442	7/12	1430 / 1438	"	16.5	2.48	1.25	0.16	3.1	FLOATS		6	0	
1443	7/19	1533 / 1541	"	16.5	1.65	0.79	0.14	1.3	"		6	.01	
1444	7/26	1450 / 1456	FALCONE-BLAKELY	16.5	1.22	0.75	0.13	0.92	"		6	0	
1445	8/2	1418 / 1426	BLAKELY	12.0	1.43	0.77	0.13	1.1		.5	8	0	FC53
1446	8/9	1435 / 1445	HOLLERON	1.4	0.21	1.67	0.13	0.35		.5	6	-.01	FC48
1447	8/16	1140 / 1155	SADDORIS	18.0	2.16	0.79	0.15	1.7	FLOATS		10	0	
1448	8/23	1403 / 1409	BLAKELY-BOWMAN	1.3	0.20	0.90	0.12	0.18		.5	4	0	FC53
1449	8/30	1420 / 1426	BLAKELY	16.5	1.56	0.90	0.14	1.4	FLOATS		6	0	
1450	9/7	1307 / 1313	"	16.0	1.28	0.50	0.13	0.64	"		6	0	
1451	9/13	1515 / 1525	"	17.1	2.80	0.89	0.22	2.5		.5	11	0	
1452	9/20	1333 / 1343	"	17.0	1.66	0.46	0.14	0.77		.5	11	0	FC53
1453	9/28	1055 / 1105	"	17.8	1.89	0.43	0.14	0.81		.5	12	0	"

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER

~~AT~~ NEAR above Arroyo Seco 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.	G. HT. CHANGE TOTAL	METER NO.
1454	10/4	1340 / 1348	BLAKELY	177.	94.6	4.27	1.46	404.		.6	11	-.04	FC-24
1455	10/5	0923 / 0933	"	17.5	1.94	0.98	0.16	1.9	FLOATS		11	0	
1456	10/11	0909 / 0917	"	16.5	1.59	0.61	0.12	0.97	"		7	0	
1457	10/18	1240 / 1246	"	16.5	1.48	0.57	0.13	0.84	"		6	0	
1458	10/25	1340 / 1345	BLAKELY-STUNDEN	16.5	1.49	0.67	0.12	1.0	"		6	0	
1459	11/2	0904 / 0912	BLAKELY	15.5	1.55	0.71	0.12	1.1	"		6	0	
1460	11/8	1400 / 1408	"	15.5	1.48	0.74	0.12	1.1	"		6	0	
1461	11/15	1418 / 1424	"	15.5	1.47	0.60	0.12	0.88	"		6	0	
1462	11/23	1440 / 1446	"	15.5	1.47	0.75	0.12	1.1	"		6	0	
1463	11/29	1325 / 1331	"	15.5	1.47	0.68	0.13	1.0	"		6	0	
1464	12/6	1410 / 1418	"	16.5	3.00	1.30	0.20	3.9	"		8	0	
1465	12/13	1306 / 1312	"	15.9	1.42	0.78	0.13	1.1	"		8	0	
1466	12/20	1418 / 1432	BLAKELY-HENSLEY	16.0	1.44	0.69	0.12	0.99	"		6	0	
1467	12/27	1220 / 1232	BLAKELY-WOOD	16.0	1.44	0.62	0.12	0.89	"		6	0	
1468	1/3	1352 / 1400	BLAKELY	17.5	2.90	0.26	0.12	0.76		.5	8	0	FC53
1469	1/5	0922 / 0944	BLAKELY-BOWMAN	177.0	335.	9.43	2.85	3160.		.6	15	-.14	FC24
1470	1/6	1202 / 1210	" "	16.7	2.96	1.66	0.21	4.9	FLOATS		8	-.01	
1471	1/10	1200 / 1208	BLAKELY	17.4	6.25	2.06	0.39	12.9		.5	11	+.01	FC24
1472	1/13	0318 / 0340	BLAKELY-BOWMAN	177.0	563.	13.4	4.48	7560.		.6	15	-.05	"
1473	1/14	0905 / 0921	" "	18.1	8.82	2.06	0.60	18.2		.6	11		"
1474	1/15	0848 / 0856	BLAKELY	18.5	6.10	0.33	0.16	2.0		.5	8	0	FC53
1475	1/17	1314 / 1320	"	16.5	1.65	0.79	0.13	1.3	FLOATS		6	0	
1476	1/20	1609 / 1637	BLAKELY-SALGADO	177.0	199.	7.03	1.83	1400.		.6	15	-.08	FC24
1477	1/21	1225 / 1235	BLAKELY-SALGADO	19.3	8.83	0.96	0.37	8.5		.5	12	-.01	FC24
1478	1/24	1405 / 1423	BLAKELY	110.0	73.5	2.06	1.16	151.		.6	17	-.02	"
1479	1/25	0853 / 0903	"	19.1	9.20	1.89	0.53	17.4		.6	12	0	"
1480	1/25	1443 / 1453	"	20.0	9.83	0.92	0.38	9.0		.6	12	0	"
1481	1/26	0602 / 0624	"	177.0	193.	6.48	1.78	1250.		.6	16	-.05	"
1482	1/26	1630 / 1646	"	92.5	47.8	1.66	1.04	79.2		.6	19	-.03	"
1483	1/27	1357 / 1413	"	120.0	112.	2.63	1.30	295.		.6	18	+.13	"
1484	1/28	0938 / 0948	"	19.0	11.8	2.05	0.61	24.2		.6	11	-.02	"
1485	1/29	0523 / 0545	BLAKELY-SALGADO	177.0	238.	7.14	2.02	1700.		.6	15	-.05	"
1486	1/29	1322 / 1340	" "	177.0	231.	7.19	1.99	1660.		.6	15	0	"
1487	1/30	1048 / 1100	SALGADO-BLAKELY	18.1	10.1	2.73	1.09	27.6		.6	11	0	"
1488	1/31	1230 / 1238	BLAKELY	18.5	5.24	1.35	0.70	7.1		.5	12	0	"
1489	2/1	1000 / 1008	"	16.0	6.02	0.48	0.29	2.9		.5	9	0	"
1490	2/4	0835 / 0843	"	7.3	1.79	0.95	0.32	1.7		.5	9	0	"
1491	2/7	1257 / 1305	"	5.8	1.37	1.46	0.30	2.0		.5	7	0	"
1492	2/4	1331 / 1339	"	7.5	1.44	0.90	0.28	1.3		.5	9	0	"
1493	2/21	1059 / 1109	ROY-BLAKELY	6.5	1.28	0.86	0.29	1.1		.5	9	0	FC53
1494	2/23	0745 / 0801	BLAKELY-SALGADO	177.0	432.	11.20	3.33	4850.		.6	15	-.33	FC24
1495	2/23	1631 / 1655	" "	112.5	86.4	2.05	1.21	177.		.6	16	-.02	"
1496	2/24	1647 / 1655	" "	18.6	9.73	0.32	0.31	3.1		.5	7	0	"
1497	2/28	1443 / 1456	" "	177.0	234.	7.22	2.05	1690.		.6	15	+.05 -.09	"
1498	3/1	1340 / 1354	BLAKELY	102.0	75.6	2.24	1.21	169.		.6	15	-.04	"
1499	3/2	1454 / 1502	"	19.1	11.5	0.71	0.38	8.2		.6	11	+.02	FC53

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.
1500	2/4	0727 / 0835	BLAKELY	11.9	3.24	0.65	0.22	2.1		.5	8	0	FC53
1501	3/7	1423 / 1431	"	16.5	3.70	0.73	0.25	2.7		.5	10	0	"
1502	3/11	1422 / 1430	"	22.6	9.82	0.49	0.25	4.8		.5	13	0	"
1503	3/14	1508 / 1515	BLAKELY	18.4	9.82	0.26	0.24	2.6		.5	7	0	"
1504	3/16	0744 / 0803	BLAKELY-SALGADO	177.0	308.	9.05	2.66	2790.		.6	15	-.04 +.12	FC24
1505	3/17	1214 / 1222	" "	17.1	4.63	1.19	0.32	5.5		.5	11	0	"
1506	3/19	0910 / 0918	BLAKELY	20.2	11.2	1.73	0.48	19.4		.6	12	-.02	"
1507	3/21	1314 / 1326	BROOK-BLAKELY	8.2	1.85	1.57	0.16	2.9		.5	10	0	FC53
1508	3/28	1325 / 1333	BLAKELY	10.7	2.74	1.24	0.18	3.4		.5	8	0	"
1509	4/4	1354 / 1358	"	8.7	2.02	1.04	0.14	2.1		.5	7	0	"
1510	4/10	1142 / 1150	"	8.2	2.13	1.03	0.15	2.2		.5	7	0	"
1511	4/17-18	2345 / 0003	BLAKELY-SALGADO	177.0	221.	6.70	1.90	1480.		.6	15	+.01	FC24
1512	4/18	1222 / 1244	BLAKELY	177.0	129.	5.01	1.52	647.		SUR. .6	15	-.07	"
1513	4/19	1343 / 1353	"	18.3	8.57	1.46	0.35	12.4		.5	12	-.01	"
1514	4/20	1433 / 1451	BLAKELY-W.BLAKELY	177.0	223.	6.77	1.92	1510.		.6	15	-.06	"
1515	4/20	2055 / 2112	BLAKELY-HUGHES	177.0	270.	7.70	2.25	2080.		.6	15	-.10	"
1516	4/21	1114 / 1132	HUGHES-BLAKELY	19.0	13.0	2.14	0.59	27.8		.6	12	-.01	"
1517	4/22	0909 / 0919	BLAKELY	18.0	7.05	0.81	0.22	5.7		.5	11	0	"
1518	4/25	1322 / 1332	MC BRIDE - BLAKELY	17.6	6.82	0.53	0.17	3.6		.5	11	0	"
1519	5/2	1140 / 1150	BOWMAN	6.1	1.39	1.44	0.15	2.0		.5	7	0	FC6
1520	5/9	1255 / 1305	BOWMAN-FALCONE	6.0	1.72	1.45	0.15	2.5		.5	7	0	"
1521	5/16	1236 / 1252	ROY-BLAKELY	19.0	8.28	1.44	0.31	11.9		.5	12	0	FC53
1522	5/23	1251 / 1307	WOOD-BLAKELY	18.0	6.14	3.32	0.20	5.4		.5	18	0	FC53
1523	5/29	0900 / 0920	BOWMAN	9.5	2.80	0.86	0.20	2.4		.5	11	0	FC24
1524	6/6	0855 / 0905	BLAKELY-LINDSAY	9.9	2.39	0.80	0.13	1.9		.5	11	0	FC53
1525	6/13	0930 / 0944	BOWMAN	9.7	2.32	0.95	0.12	2.2		.5	11	0	"
1526	6/20	0900 / 0910	"	6.0	1.17	1.20	0.11	1.4		.5	6	0	"
1527	6/27	1415 / 1423	BLAKELY	6.5	1.21	1.24	0.11	1.5		.5	8	0	"
1528	7/3	0914 / 0919	WOOD-SARASUA	9.0	1.79	0.73	0.10	1.3		.5	7	0	"
1529	7/11	0847 / 0859	SARASUA-WOOD	9.0	1.68	0.72	0.09	1.2		.5	11	0	"
1530	7/18	0910 / 0922	SARASUA	9.0	0.86	0.84	0.09	0.72		.5	10	0	"
1531	7/25	1338 / 1346	BLAKELY	9.7	1.62	0.80	0.10	1.3		.5	11	0	"
1532	8/1	0857 / 0908	WOOD	9.0	0.92	0.57	0.11	0.52		.5	10	0	"
1533	8/8	0830 / 0835	BOWMAN	9.0	1.31	0.53	0.11	0.70		.5	5	0	"
1534	8/15	0803 / 0820	"	9.1	1.90	0.37	0.13	0.70		.5	10	0	"
1535	8/22	1415 / 1425	SARASUA-BLAKELY	8.0	1.26	0.57	0.14	0.72		.5	9	0	"
1536	8/29	0915 / 0920	SARASUA	8.0	0.72	0.67	0.14	0.48		.5	5	0	"
1537	9/5	1600 / 1610	ROY	7.0	0.89	0.58	0.10	0.52		.5 .6	9	0	"
1538	9/12	0830 / 0840	BOWMAN	2.6	0.30	1.30	0.10	0.39		.5	8	0	"
1539	9/19	0757 / 0803	ROY-BOWMAN	2.7	0.37	1.08	0.11	0.40		.5	7	0	"
1540	9/26	0850 / 0855	BOWMAN	2.5	0.30	1.13	0.09	0.34		.5	6	0	"

TSD74M 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 56

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5.4	4.0	95	9.0	26	9.0	38	11	3.2	3.0	1.6	1.2
2	4.2	4.5	67	6.8	21	9.8	28	14	3.2	3.0	1.2	1.2
3	3.0	5.0	72	15	31	8.6	20	15	3.0	2.8	0.8	1.2
4	5.0	5.4	274	19	35	5.8	17	15	3.0	2.5	0.6	1.0
5	4.5	6.8	54	a 14	34	6.3	a 12	9.0	3.2	2.2	1.0	0.8
6	4.5	4.5	11	14	36	8.1	12	6.3	3.2	2.2	1.3	0.8
7	5.0	3.8	21	14	24	7.6	12	9.8	3.0	2.2	1.2	0.8
8	5.4	5.0	8.1	14	21	8.6	12	31	3.7	2.2	0.8	0.6
9	3.0	5.0	14	14	21	15	11	639	3.2	2.2	0.8	0.6
10	2.0	5.0	11	14	21	28	11	69	3.2	2.0	0.6	0.6
11	3.5	5.0	5.8	a 14	21	23	a 169	22	9.1	1.8	1.0	1.0
12	4.0	4.5	8.1	14	32	22	b 190	13	11	1.8	1.4	1.0
13	4.2	4.5	11	16	21	29	338	7.6	15	2.0	1.8	1.0
14	4.0	453	11	15	24	31	52	7.6	14	2.0	1.8	1.4
15	4.2	15.0	12	11	24	32	9.8	7.6	5.4	1.8	2.2	1.0
16	3.5	6.8	12	15	24	30	8.6	7.2	4.0	1.8	1.8	1.0
17	2.8	20	9.8	17	36	26	11	6.8	3.8	1.8	1.8	1.2
18	3.5	11.3	7.2	15	32	14	9.0	7.2	3.8	1.8	1.8	1.0
19	4.5	4.2	9.0	15	15	16	8.6	5.4	3.5	1.4	1.4	1.2
20	5.0	4.0	15	15	18	17	9.0	4.2	3.5	1.6	1.2	1.0
21	5.0	174	13	18	22	16	8.1	4.5	3.8	1.6	1.2	0.8
22	4.5	29	12	11	20	15	7.2	8.2	5.2	1.6	0.6	0.8
23	4.0	8.6	52	25	451	17	6.3	5.8	4.2	1.2	0.6	0.8
24	3.5	8.6	23	22	65	13	6.3	5.4	4.2	1.2	0.8	0.8
25	4.5	2.5	112	1100	22	9.0	6.3	5.0	4.0	1.0	1.2	0.8
26	4.5	2.8	31	7290	6.3	8.6	303	5.0	4.5	1.0	1.4	1.0
27	4.2	2.5	94	568	6.8	12	27	3.2	4.0	1.0	1.4	1.0
28	5.0	2.5	15	b 64	9.8	12	7.6	4.0	4.5	1.0	2.0	0.8
29	4.0	3.5	13	b 25	9.0	13	5.8	4.5	4.0	1.0	1.6	0.6
30	3.8	3.2	15	f 116		15	7.2	4.0	3.5	1.0	1.4	0.6
31	3.0		11	369		12		3.5		1.2	1.4	
	1272	8142	10542	9888	11289	4894	3362	960.8	146.9	54.9	39.7	27.6
MEAN	4.10	27.1	34.0	319.	38.9	15.8	112.	31.0	4.90	1.77	1.28	0.92
ACRE-FEET	252.	1610.	2090.	19610.	2240.	971.	6670.	1910.	291.	109.	79.	55.

Remarks:

YEAR OR PERIOD MEAN 49.4
ACRE-FEET 35,890.

76D74M Cib 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

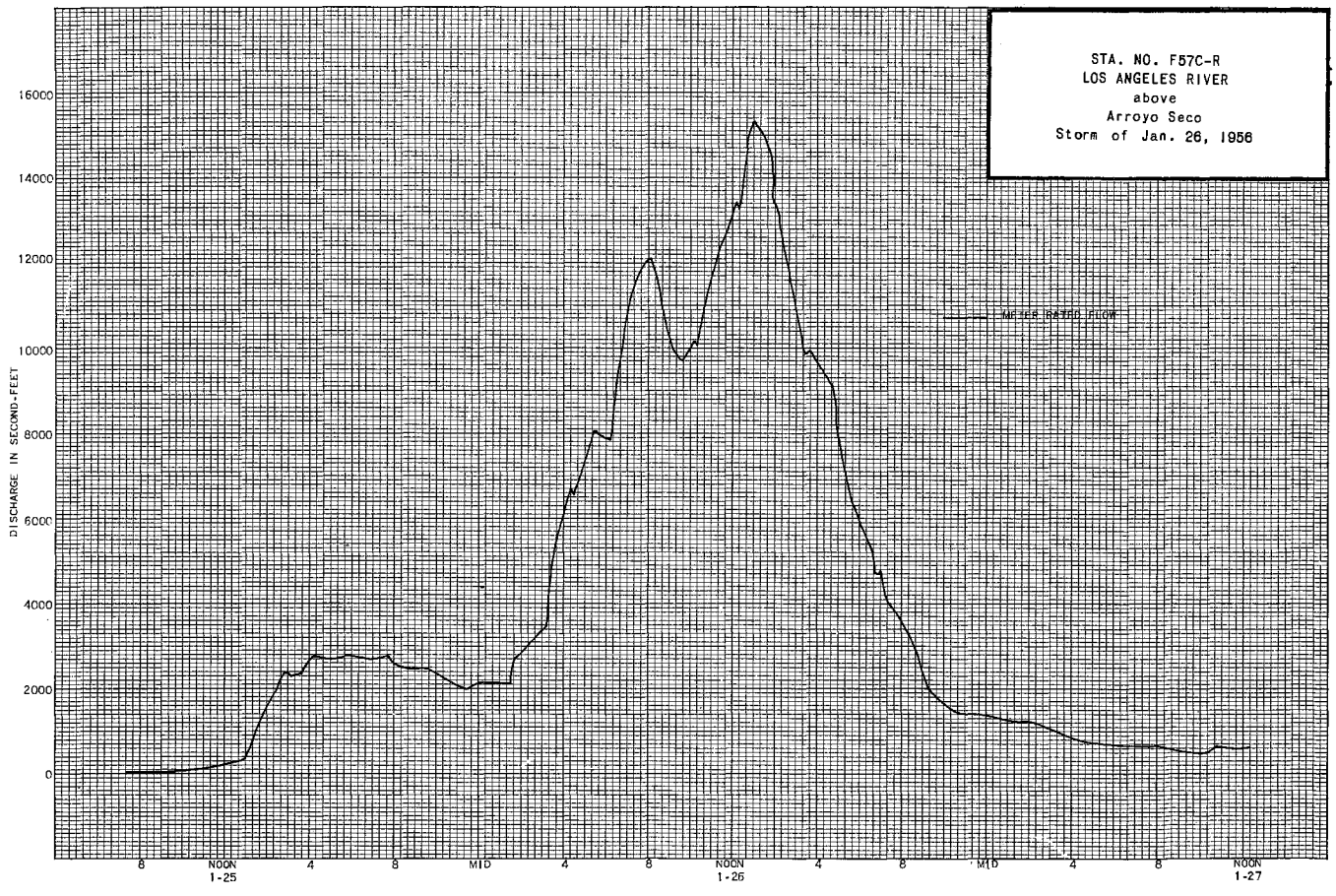
Sta. No. F57C-R

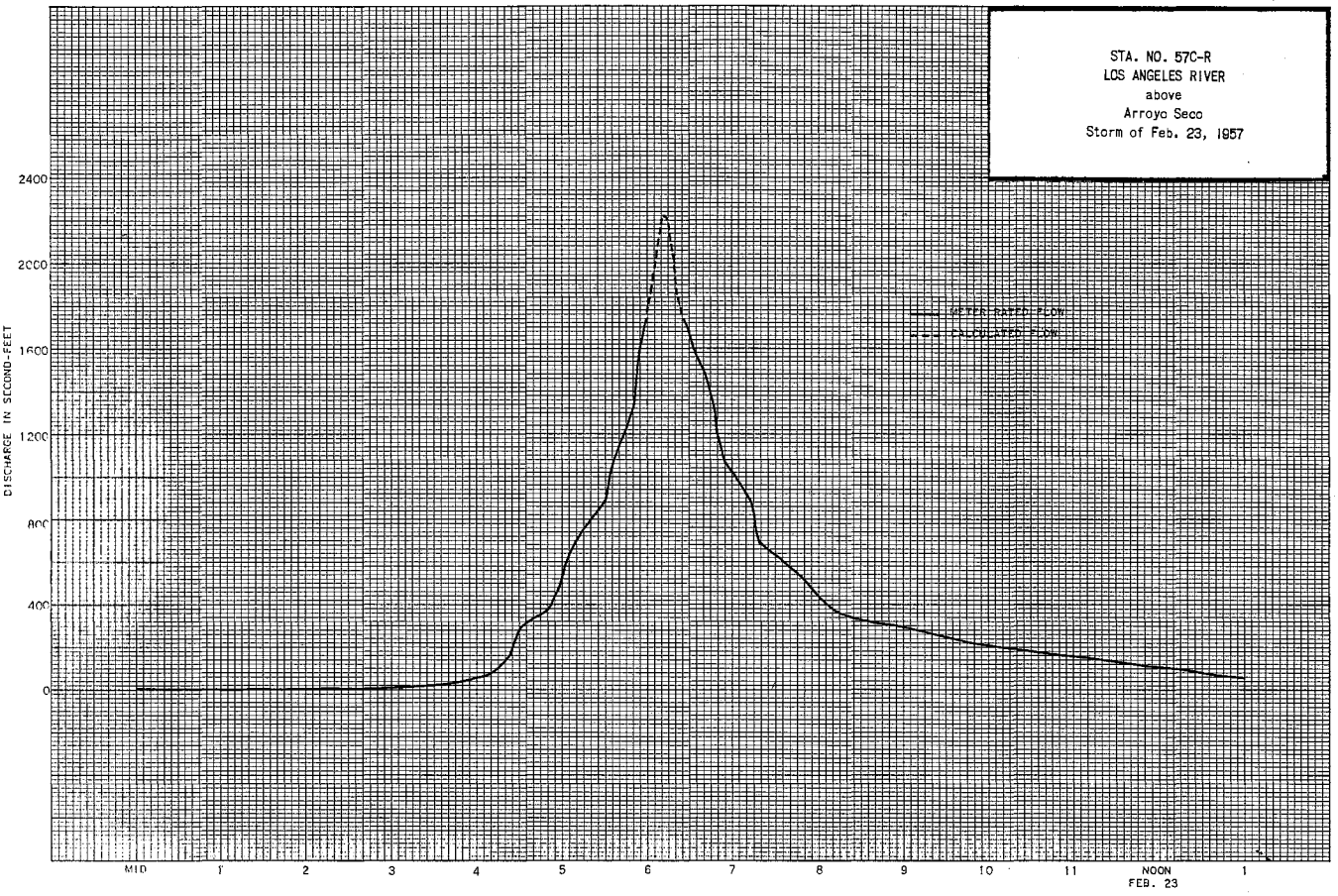
Daily discharge, in second-feet of LOS ANGELES RIVER above Arroyo Seco, for the year ending September 30, 19 57

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.6	1.2	1.0	0.8	4.0	465	2.2	1.8	2.5	1.2	0.6	0.4
2	0.6	1.2	1.0	0.8	8.6	15	2.0	2.0	2.8	1.4	0.4	0.4
3	0.6	1.2	1.0	0.8	2.0	3.5	2.0	1.8	2.2	1.2	0.6	0.4
4	5.0	1.0	1.0	0.8	1.6	3.2	2.0	1.6	2.0	1.2	0.6	0.4
5	2.4	1.0	3.1	914	v 1.8	2.8	1.8	1.6	2.0	1.2	0.8	0.6
6	1.6	1.2	14	11	1.9	2.5	1.8	1.6	2.0	1.4	0.8	0.6
7	1.4	1.2	2.0	20	2.0	3.0	1.8	2.2	1.6	1.2	0.6	0.6
8	1.2	1.2	1.4	14	1.9	3.5	2.0	2.5	1.4	1.4	0.8	0.6
9	1.0	1.0	1.0	2.5	1.8	224	2.2	2.5	1.6	1.4	0.8	0.4
10	1.0	1.0	1.0	20	1.7	52	2.2	2.8	12	1.4	1.0	0.4
11	1.0	0.8	1.0	30	1.6	5.8	2.2	433	3.8	1.2	0.8	0.4
12	1.0	0.8	1.2	743	1.5	4.5	2.2	65	2.5	1.2	0.8	0.4
13	1.2	0.6	1.2	2390	1.4	3.5	3.5	8.1	2.2	1.2	0.8	0.4
14	1.0	0.8	1.2	b 20	1.3	2.0	3.0	14	2.0	1.0	0.8	0.4
15	1.0	0.8	1.2	f 2.2	1.3	3.0	2.2	15	1.8	1.0	0.6	0.4
16	0.8	0.8	1.2	1.8	1.3	732	1.8	11	1.8	0.8	0.6	0.4
17	0.8	0.8	1.2	1.6	1.2	7.6	57	6.3	1.4	0.8	0.8	0.4
18	0.8	0.8	1.2	1.4	1.2	3.5	481	4.5	1.4	0.6	1.0	0.4
19	0.8	0.8	1.2	1.4	1.1	6.8	13	130	1.2	0.8	0.8	0.4
20	0.8	1.0	1.0	276	1.1	3.2	432	5.4	1.4	0.8	1.0	0.4
21	1.0	1.0	1.0	35	v 1.1	3.0	59	17	1.4	1.0	1.0	0.4
22	1.2	1.0	1.0	1.4	v 1.1	3.0	5.8	6.3	1.4	1.0	0.8	0.6
23	1.2	1.0	1.0	32	2030	2.8	5.0	5.8	1.4	1.4	0.6	0.4
24	1.0	1.0	0.8	150	21	2.8	4.0	4.0	1.6	1.4	0.6	0.4
25	1.0	1.0	0.8	21	b 1.6	2.8	3.5	3.5	1.8	1.4	0.6	0.4
26	1.0	1.0	0.8	393	b 1.6	3.2	3.5	3.2	1.8	1.4	0.8	0.4
27	1.0	1.0	0.8	139	b 1.6	3.5	3.0	2.8	1.6	1.2	0.6	0.4
28	1.0	1.0	0.8	38	563	3.5	2.2	2.2	1.6	1.2	0.4	0.4
29	1.2	1.0	0.8	830		5.4	2.0	2.0	1.4	1.0	0.4	0.4
30	1.2	1.0	0.8	31		3.2	2.2	1.8	1.4	0.8	0.2	0.4
31	1.2		0.8	7.2		2.5		1.8		0.6	0.2	
	81.6	29.2	47.5	6122.7	2661.3	1582.1	1108.1	783.1	65.0	34.8	21.2	13.0
MEAN	2.63	0.97	1.53	198.	95.0	51.0	36.9	25.3	2.17	1.12	0.68	0.43
ACRE-FEET	162.	58.	94.	12140.	5280.	3140.	2200.	1550.	129.	69.	42.	26.

Remarks:

YEAR OR PERIOD MEAN 34.4
ACRE-FEET 24,890.





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 CENTERLINE OF FIRESTONE BOULEVARD BRIDGE AND ABOUT 3 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, 1 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: INSTALLED DECEMBER 12, 1956 OVER A 48-INCH DIAMETER CONCRETE STILLING WELL. FORMER LOCATION WAS INSIDE PIER ON DOWNSTREAM SIDE OF FIRESTONE BOULEVARD BRIDGE. A STEVENS TYPE A35 CONTINUOUS RECORDER WAS IN SERVICE FROM DECEMBER 12, 1956 TO SEPTEMBER 30, 1957.

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, 1957.

EXTREMES OF DISCHARGE:
1955-56
MAXIMUM 28900 SECOND-FEET JANUARY 26.
MINIMUM 8.2 SECOND-FEET AUGUST 2.
1956-57
MAXIMUM 24,600 SECOND-FEET FEBRUARY 23.
MINIMUM 3.8 SECOND-FEET JUNE 16.
1928-57
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: GOOD.

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 OR NEAR Firestone Boulevard 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.	G. HT. CHANGE TOTAL	METER NO.
453	10/6	0924 / 0934	BONADIMAN	15.0	14.8	1.14	0.78	16.9		.6	9	0	FC19
454	10/13	0920 / 0932	"	13.5	12.7	1.10	0.68	14.0		.6	9	0	"
455	10/20	0934 / 0944	"	14.0	12.6	1.19	0.83	15.0		.6	9	0	"
456	10/27	0930 / 0936	"	15.0	10.8	1.04	0.67	11.3		.6	11	0	"
457	11/3	0930 / 0940	"	13.5	10.9	0.88	0.79	9.6		.6	9	0	"
458	11/10	0932 / 0942	"	14.0	11.5	1.18	0.57	13.6		.6	10	0	"
459	11/14	0915 / 0938	BONADIMAN-SADDORIS	365.	776.	5.60	3.75	4350.		.6	16	+.23 -.23	"
460	11/15	1510 / 1524	BONADIMAN	29.0	23.2	1.19	0.98	27.8		.6	11	0	"
461	11/17	0900 / 0912	"	29.5	26.6	1.09	0.97	29.2		.6	10	0	"
462	11/21	1302 / 1314	"	158.	291.	2.02	2.09	587.		.6	10	-.02	"
463	11/21	1450 / 1518	"	359.	535.	4.52	2.87	2419.		.6	20	-.10	"
464	11/22	0930 / 0944	"	40.0	39.9	1.63	1.09	65.0		.6	12	-.02	"
465	11/25	0912 / 0926	"	35.0	15.4	0.71	0.48	11.0		.6	11	0	"
466	12/1	0912 / 0928	"	34.0	18.1	0.90	0.56	16.2		.6	13	0	"
467	12/1	2140 / 2150	SADDORIS-BONADIMAN	155.	314.	2.67	1.99	836.		.6	9	+.02	"
468	12/2	0946 / 1000	BONADIMAN	146.	136.	0.72	1.23	98.0		.6	10	-.02	"
469	12/4	1026 / 1040	"	150.	183.	1.40	1.49	257.		.6	10	0	"
470	12/8	0940 / 1000		30.0	26.0	1.00	0.94	26.2		.6	11	0	"
471	12/15	0915 / 0930	"	27.5	24.8	1.08	0.93	26.9		.6	12	0	"
472	12/22	0910 / 0924	"	31.0	23.9	1.01	0.92	24.2		.6	12	0	"
473	12/25	0730 / 0744	"	150.	200.	1.58	1.58	317.		.6	11	-.02	"
474	12/26	1044 / 1056	"	21.0	13.0	1.75	0.87	21.8		.6	8	-.02	"
475	12/29	0940 / 0954	"	28.0	17.4	1.71	0.93	29.8		.6	11	0	"
476	1/5	0940 / 0954	"	29.0	19.1	1.65	0.94	31.6		.6	11	0	"
477	1/12	0920 / 0930	"	29.0	19.9	1.54	0.95	30.7		.6	9	0	FC19
478	1/19	0900 / 0930	FALCONE-BONADIMAN	34.0	21.1	1.49	0.96	31.4		.6	11	0	"
479	1/25	1500 / 1513	BONADIMAN-FALCONE		CHANNELS		2.90	2640.		.6	16	+.25	"
480	1/26	0745 / 0815	" "	379.	1426.	7.23	6.57	10320.		.6	14	+.30	"
481	1/26	1655 / 1710	SADDORIS-GRIZALVA	375.	2082.	8.56	6.01	17830.		.6	12	-.41	"
482	1/28	1030 / 1045	SADDORIS	165.	384.	0.76	1.47	290.		.6	9	0	FC29
483	1/29	1024 / 1040	FALCONE-BONADIMAN	41.0	42.9	1.32	1.20	56.6		.6	11	0	FC19
484	1/31	0750 / 0808	BONADIMAN-FALCONE	320.	366.	1.86	1.82	680.		.6	14	-.02	"
485	2/2	0920 / 0936	BONADIMAN	41.0	38.2	1.10	1.13	42.1		.6	9	0	"
486	2/9	0924 / 0938	"	38.0	29.3	1.52	1.10	44.9		.6	9	0	"
487	2/16	0920 / 0932	"	40.0	36.7	1.14	1.10	41.9		.6	10	0	"
488	2/23	0954 / 1012	"	190.0	234.	1.42	1.54	332.		.6	12	+.04	"
489	2/23	1727 / 1746	"		CHANNELS		2.49	2240.		.6	19	+.06 -.10	"
490	3/1	0945 / 1010	SJOSTEDT-BONADIMAN	30.0	25.2	1.00	1.07	25.1		.5 .6	20	0	"
491	3/8	0930 / 0945	BONADIMAN	26.0	22.8	1.10	1.04	25.2		.6	11	0	"
492	3/15	0940 / 0954	"	34.0	37.7	1.35	1.10	51.0		.6	12	0	"
493	3/22	0946 / 0958	"	30.0	26.6	1.20	1.04	31.9		.6	11	0	"
494	3/29	0944 / 0956	"	28.0	27.3	1.06	1.02	29.0		.6	10	0	"
495	4/5	0840 / 0856	"	32.0	27.0	1.49	1.05	40.2		.6	10	0	"
496	4/11	0614 / 0636	BONADIMAN-FALCONE	210.	239.	1.58	1.52	377.		.6	11	-.04	"
497	4/12	0500 / 0516	" "	366.	627.	5.15	2.73	3230.		.6	17	+.06	"
498	4/12	0825 / 0945	SADDORIS-SJOSTEDT	378.	656.	6.07	3.40	3985.		.6	14	+.41	FC47
499	4/12	1115 / 1128	SADDORIS-SJOSTEDT		CHANNELS		3.52	6310.		.6	17	-.25	FC47
500	4/12	1620 / 1643	SJOSTEDT-SADDORIS		"		2.89	3230.		.6	18	-.11	FC47
501	4/12	2200 / 2225	SADDORIS-SJOSTEDT		"		2.86	3146.		.6	18	-.01	"
502	4/13	0840 / 0885	BONADIMAN-FALCONE	229.	267.	1.69	1.65	452.		.6	12	-.02	FC19
503	4/14	1514 / 1530	" "	180.	200.	0.64	1.19	127.		.6	9	-.02	"
504	4/19	0917 / 0927	BONADIMAN	33.	17.5	1.22	1.02	21.4		.6	9	0	"
505	4/26	1045 / 1112	SJOSTEDT		CHANNELS		2.74	1060.		.6	14	+.50	FC47
506	4/26	1221 / 1238	SADDORIS-SJOSTEDT		"		2.77	2970.		.6	13	+.15	"
507	4/26	1455 / 1513	SJOSTEDT-SADDORIS		"		2.22	1500.		.6	15	+.11	"
508	5/3	0926 / 0938	BONADIMAN	26.0	20.0	1.32	1.03	26.7		.6	10	0	FC19
509	5/9	2245 / 0255	BONADIMAN-FALCONE	200.	293.	1.33	1.62	448.		.6	11	+.01	"
510	5/9	0845 / 0947	SADDORIS	251.	451.	3.06	2.12	1380.		.6	13	+.23	FC26
511	5/9	1036 / 1055	BONADIMAN-FALCONE		CHANNELS		2.62	2040.		.6	20	-.10	FC19
512	5/10	0840 / 0855	BONADIMAN	178.	185.	0.71	1.25	130.		.6	11	-.02	"
513	5/17	0920 / 0932	"	32.0	18.4	1.35	1.00	24.9		.6	10	0	"
514	5/24	0830 / 0850	"		CHANNELS		0.99	19.1		.6	13	0	"
515	5/31	0906 / 0920	"	17.0	12.0	1.48		17.0		.6	10		"
516	6/7	0840 / 0850	"	14.0	9.2	1.85		17.0		.6	7		"
517	6/14	0846 / 0900	"	17.5	14.3	1.87		26.7		.6	9		FC2
518	6/21	0920 / 0934	"	18.0	15.3	1.06		16.3		.6	9		FC19
519	6/28	0920 / 0945	WOOD	17.5	15.5	1.04		16.2		.6	10		"
520	7/5	0830 / 0844	BONADIMAN	18.0	14.2	1.04		14.8		.6	10		"
521	7/12	0900 / 0920	"	18.0	13.3	0.98		13.1		.6	9		"
522	7/19	0907 / 0935	FORSTER-SICKLER	17.0	13.7	1.09		14.9		.6	8		"
523	7/26	0850 / 0902	BONADIMAN	21.0	6.85	1.36		9.3		.5	7		FC19
524	8/2	0918 / 0930	"	21.0	6.31	1.30		8.2		.5	8		FC19
525	8/9	0900 / 0918	BONADIMAN-ROY	23.4	8.81	1.39		12.4		.6	8		"
526	8/16	0900 / 0916	BONADIMAN	19.0	6.53	1.33		8.7		.6	7		"
527	8/23	0910 / 0920	"	21.5	8.18	1.33		10.9		.6	7		"
528	8/30	0915 / 0935	BONADIMAN-WOOD	24.0	10.8	1.35		14.6		.6	8		"
529	9/6	0834 / 0856	WOOD	24.0	10.4	1.20		12.5		.6	12		"
530	9/13	0830 / 0850	"	24.0	10.0	1.29		12.9		.6	13		"
531	9/20	0840 / 0857	"	24.0	10.1	1.26		12.7		.6	10		"
532	9/27	0922 / 0932	BONADIMAN	22.5	6.77	1.28		8.7		.6	8		FC19

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER

~~AT~~ NEAR below Firestone Boulevard 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 SQ. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
533	10/4	0905 / 0915	BONADIMAN	20.6	12.9	1.76		22.8		.6	8		FC19
534	10/4	1510 / 1530	"		CHANNELS			142.		FLOATS .6	17		"
535	10/5	0900 / 0910	"	22.0	8.72	1.20		10.5		.6	8		"
536	10/11	0900 / 0910	"	20.0	6.74	1.30		8.8		.6	7		"
537	10/18	0900 / 0920	"	22.0	7.39	1.23		9.1		.6	7		"
538	10/25	0900 / 0910	"	22.0	9.16	0.98		9.0		.6	7		"
539	11/1	0920 / 0940	THOMPSON-BONADIMAN	23.4	9.02	1.06		9.6		.6	8		"
540	11/8	0856 / 0906	BONADIMAN	22.0	9.84	1.03		10.2		.6	7		"
541	11/15	0910 / 0920	"	20.0	6.92	1.23		8.5		.6	7		"
542	11/23	0856 / 0910	"	21.5	7.83	1.15		9.0		.6	8		"
543	11/29	0900 / 0910	"	22.2	8.31	1.05		8.7		.6	8		"
544	12/5	2137 / 2157	BONADIMAN-WOOD	355.	347.	2.65		919.		.6	17		"
545	12/6	0920 / 0930	WOOD-BONADIMAN	27.0	20.9	2.59		54.1		.6	9		"
546	12/13	0926 / 0936	BONADIMAN	23.0	8.12	1.18	0.51	9.6		.6	8	0	"
547	12/20	0835 / 0845	"	25.0	8.58	1.24	0.53	10.6		.6	7	0	"
548	12/27	0910 / 0924	"	35.0	10.2	1.07	0.55	10.9		.6	7	0	"
549	1/3	0910 / 0920		24.0	7.50	1.34	0.53	10.0		.5	7	0	"
550	1/5	0405 / 0412	WOOD-BONADIMAN	46.0	27.0	3.47	1.16	93.5		.6	9	+.06	"
551	1/5	0600 / 0625	" "	337.	156.	2.56	1.68	399.		.5 .6	15	-.01	"
	1/5	0930 / 1035	CORPS OF ENGINEERS	363.	680.	6.61	2.85	4500.		.6	15	+.10	
	1/5	1210 /	" "	357.	418.	4.56	2.35	1910.		.6	15	-.14	
	1/5	1248 / 1306	" "	355.	367.	4.26	2.24	1570.		.6	15	-.07	
	1/5	1325 / 1345	" "	355.	340.	3.87	2.12	1320.		.6	15	-.03	
552	1/5	1602 / 1625	SADDORIS-FALCONE	355.	207.	2.65	1.90	548.		.6	19	-.03	FC55
553	1/6	0840 / 0852	BONADIMAN	22.0	12.2	2.75	0.94	33.6		.6	8	+.02	FC19
554	1/7	1400 / 1412	"	24.0	13.1	1.86	0.86	24.4		.6	9	+.02	"
555	1/10	0635 / 0652	WOOD-BONADIMAN	354.	116.	1.81	1.44	210.		.5 .6	15	.01	"
556	1/10	1416 / 1436	" "		CHANNELS		0.92	61.1		.6	14	-.02	"
557	1/11	0900 / 0915	BONADIMAN	23.0	10.1	1.68	0.68	17.0		.6	9	0	"
558	1/12-13	2342 / 0018	BONADIMAN-WOOD	369.	1053.	9.10	3.91	9590.		.6	15	+.29	"
	1/13	0345 / 0550	CORPS OF ENGINEERS	366.	1300.	7.79	3.86	10130.		.6	15	-.58	
559	1/14	0957 / 1020	WOOD		CHANNELS		0.89	54.9		.6	20	0	"
560	1/17	0912 / 0922	ROY-BONADIMAN	22.3	7.20	1.49	0.48	10.7		.6	8	0	"
561	1/20	1542 / 1603	" "	356.	363.	3.80	2.06	1380.		.6	17	-.05 +.04	"
562	1/21	0945 / 0953	" "		CHANNELS		1.06	51.4		.6	8	0	"
563	1/24	0835 / 0920	SARASUA-ROY	352.	137.	1.63	1.49	224.		.6	20	-.02	"
564	1/25	0920 / 0952	ROY		CHANNELS		1.03	51.0		.6	7	0	"
565	1/26	0452 / 0530	SARASUA-ROY	357.	298.	4.09	2.23	1220.		.6	19	-.06	"
566	1/26	1150 / 1215	" "	356.	195.	2.27	1.92	443.		.6	19	-.06	"
567	1/27	1330 / 1340	BONADIMAN		CHANNELS		0.86	48.7		.6	8	0	"
568	1/27	1608 / 1626	"	354.	123.	1.76	1.49	216.		.5 .6	16	-.03	"
569	1/29	0717 / 0730	BONADIMAN-ROY	360.	359.	3.60	2.24	1350.		.6	14	+.05	"
570	1/29	1120 / 1200	SARASUA-ROY	356.	288.	3.31	2.15	959.		.6	18	0	"
571	1/30	1010 / 1016	ROY		CHANNELS		1.06	63.4		.6	7	0	"
572	1/31	0912 / 0924	BONADIMAN	24.0	12.8	1.62	0.85	20.7		.6	9	0	"
573	2/7	0920 / 0942	MC BRIDE - BONADIMAN	22.0	7.30	1.30	0.45	9.5		.5 .6	11	0	"
574	2/14	0918 / 0930	BONADIMAN	21.5	7.1	1.41	0.45	10.0		.6	9	0	"
575	2/21	0836 / 0848	"	22.0	7.5	1.26	0.44	9.5		.6	8	0	"
576	2/23	0716 / 0733	BONADIMAN-WOOD	378.	1590.	10.9	5.10	17410.		.6	12	-.50	"
577	2/3	1350 / 1410	" "	355.	284.	3.45	2.17	981.		.6	16	-.02	"
578	2/24	1445 / 1502	WOOD	25.0	17.8	1.74	1.07	30.9		.6	11	0	"
579	2/28	0825 / 0937	BONADIMAN	23.5	9.22	0.99	0.87	9.1		.5	9	0	FC19
580	2/28	1450 / 1508	ROY-BONADIMAN	48.0	385.	4.52	2.40	1740.		.6	18	-.03	"
581	3/1	0735 / 0750	BONADIMAN-ROY		CHANNELS			850.		.6	18	0	"
582	3/2	0820 / 0930	FALCONE	27.5	21.0	1.66	1.05	34.8		.6	8	0	"
583	3/7	0912 / 0932	MC BRIDE	26.5	10.8	1.18	0.71	12.7		.5 .6	12	0	"
584	3/9	1805 / 1820	MC BRIDE - BONADIMAN	354.	192.	2.84	1.88	545.		.6	15	-.02	"
585	3/10	0017 / 0040	WOOD	357.5	234.	2.88	1.81	675.		.6	22	-.07	FC57
586	3/10	0145 / 0208	"	355.4	157.	3.22	1.68	491.		.6	18	-.04	"
587	3/10	0900 / 0928	BONADIMAN		CHANNELS		1.16	74.0		.6 SUR	20	-.02	FC19
588	3/19	0850 / 0904	BROOK-BONADIMAN	26.0	10.1	1.17	0.68	11.8		.5 .6	10	0	"
589	3/16	0705 / 0728	BONADIMAN-MC BRIDE	362.	589.	6.04	2.54	3650.		.6	15	+.13	"
590	3/16	0813 / 0829	WOOD-PASQUA	358.	650.	7.09	2.85	4610.		.6	18	-.10	FC57
591	3/16	0858 / 1016	WOOD-PASQUA	357.	578.	7.19	2.57	4150.		.6	17	-.12	"
592	3/16	1113 / 1135	" "	358.	393.	4.00	2.31	1570.		.6	23	-.03	"
593	3/17	0930 / 0947	WOOD	24.0	18.9	1.68	1.00	31.7		.6	11	0	FC19
594	3/21	0900 / 0915	BOWMAN	26.5	8.31	1.32	0.83	11.0		.6	10	0	"
595	3/28	0920 / 0932	BONADIMAN	23.5	9.47	1.28	0.73	12.1		.6	9	0	"
596	4/4	0900 / 0912	"	23.5	9.96	1.25	0.70	12.5		.5 .6	10	0	"
597	4/11	0907 / 0920	"	24.0	9.34	1.26	0.68	11.7		.6	10	0	"
598	4/17-18	2355 / 0020	WOOD-PASQUA	359.	291.	3.35	1.95	976.		.6	20	+.02	"
599	4/18	1033 / 1053	WOOD	359.	470.	4.21	2.40	1980.		.6	16	-.12	FC57
600	4/18	1333 / 1410	"	355.	239.	3.16	1.87	756.		.6	24	0	"
601	4/19	0851 / 0905	"	24.0	18.1	1.78	1.02	34.5		.6	7	0	FC19
602	4/20	1447 / 1504	MC BRIDE - BONADIMAN		CHANNELS		1.89	770.		.6	20	+.04	"
603	4/21	0904 / 0926	BONADIMAN		"		1.26	120.		SUR	20	0	"
604	4/25	0924 / 0934	"	23.5	7.92	1.39	0.91	11.0		.5	9	0	"
605	5/2	0934 / 0950	"	24.3	8.34	1.14	0.91	9.5		.5 .6	10	0	"
606	5/9	0904 / 0914	"	24.0	9.04	1.47	0.88	13.3		.6	7	0	FC46
607	5/11	1803 / 1815	BONADIMAN-WOOD	356.	255.	2.84	1.80	723.		.6	17	+.07	FC19
608	5/12	0836 / 0858	BONADIMAN	334.	111.	1.44	1.30	160.		.5 SUR	19	-.02	"
609	5/13	0940 / 1000	BROOK-MC BRIDE		CHANNELS		0.93	21.1		.6	12	0	FC26
610	5/16	0920 / 0930	BONADIMAN		"		0.99	20.7		.6	9	0	FC19
611	5/19	0800 / 0820	"	353.	218.	3.16	1.82	690.		.6	17	-.02	"
612	5/20	1015 / 1035	BOWMAN-FALCONE	28.0	17.0	1.40	1.06	24.8		.6	15	-.01	FC26
613	5/21	0924 / 0945	BONADIMAN		CHANNELS		1.29	88.6		.6	24	-.02	FC52
614	5/23	0932 / 0942	FALCONE-BONADIMAN	26.7	12.5	1.44	0.86	18.0		.6	10	0	FC19
615	5/29	0925 / 0938	BONADIMAN	24.2	9.89	1.20	0.81	11.9		.6 .5	9	0	"
616	6/6	0910 / 0922	"	24.0	9.19	1.11	0.83	10.2		.6 .5	10	0	"
617	6/10	1006 / 1030	"		CHANNELS		1.15	37.4		.6	17	-.02	"
618	6/13	0900 / 0912	"	24.0	8.70	1.29	0.81	11.2		.6	8	0	"
619	6/20	0849 / 0900	"	24.0	10.0	1.34	0.85	13.4		.6	8	0	"
620	6/27	0852 / 0902	"	24.0	9.07	1.50	0.86	13.6		.6 .5	9	0	"
621	7/3	0857 / 0908	"	23.5	8.77	1.42	0.88	12.4		.6 .5	10	0	"
622	7/11	0902 / 0914	"	23.5	9.53	1.36	0.94	13.0		.6	10	0	"
623	7/18	0900 / 0915	"	20.5	6.97	1.53	0.50	10.7		.6	10	0	"
624	7/25	0910 / 0920	"	21.0	7.75	1.57	0.55	12.2		.6	8	0	"
625	8/1	0918 / 0928	"	21.5	7.92	1.32	0.58	10.4		.6	8	0	"
626	8/8	0914 / 0924	"	22.0	7.90	1.33	0.57	10.5		.6	8	0	"
627	8/15	0903 / 0911	BONADIMAN-BLAKELY	21.5	7.81	1.40	0.59	10.9		.6	8	0	"
628	8/22	0908 / 0920	BONADIMAN	22.0	8.15	1.39	0.59	11.3		.6	9	0	"
629	8/29	0900 / 0912	"	19.3	6.28	1.37	0.45	8.6		.6	8	0	"
630	9/5	0836 / 0858	WOOD	22.0	7.32	1.28	0.52	9.4		.5	14	0	FC57
631	9/12	0902 / 0918	"	23.5	8.61	1.37	0.55	11.8		.5	11	0	"
632	9/19	1501 / 1514	"	23.0	8.70	1.37	0.54	11.9		.6	8	0	"
633	9/26	0907 / 0920	BONADIMAN	21.5	7.28	1.07		7.8		.6	8		FC19

74D74M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F3NC-R

Daily discharge, in second-feet of LOS ANGELES RIVER at Firestone Boulevard, for the year ending September 30, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	12	11	177	23	46	24	67	28	18	16	8.3	14
2	12	12	155	14	41	24	46	28	18	15	8.2	14
3	11	12	27	14	42	24	38	27	18	15	8.7	13
4	14	10	396	28	42	24	36	27	17	15	9.3	13
5	15	12	104	30	42	24	39	24	17	15	9.8	12
6	14	14	28	26	46	25	38	22	17	15	10	12
7	12	14	33	24	46	25	36	22	17	14	11	12
8	13	16	23	21	44	24	36	38	18	14	11	12
9	12	16	25	15	44	27	34	710	20	14	12	12
10	12	17	21	25	44	32	36	110	21	14	12	13
11	12	18	15	24	42	33	165	60	23	13	11	13
12	14	16	12	27	44	34	3320	49	24	13	11	13
13	15	14	20	25	41	41	783	40	26	13	10	13
14	13	705	22	22	41	46	187	34	27	14	9.6	13
15	14	34	21	22	41	49	72	33	25	14	9.2	13
16	13	28	18	18	41	46	47	29	24	14	8.7	13
17	13	39	17	29	41	42	38	25	22	14	9.2	13
18	14	30	15	30	41	39	28	24	21	15	9.6	13
19	18	24	13	27	40	32	22	23	19	15	10	13
20	15	18	17	27	39	36	21	22	18	14	11	13
21	14	421	19	25	40	32	20	22	16	13	11	12
22	11	60	20	22	41	31	20	21	16	13	11	12
23	9.2 b	28	42	31	614	30	21	20	16	12	11	11
24	9.2 b	13	27	32	147	29	20	19	16	11	12	10
25	9.9 f	12	157	1460	74	27	20	19	16	10	12	9.9
26	11	12	26	12000	55	25	645	19	16	9.3	13	9.3
27	12	12	92	2610	41	28	63	18	16	9.1	13	8.7
28	9.9	15	30	351 a	34	28	31	18	16	9.0	14	9.0
29	11	16	28	56 a	29	28	30	18	16	8.8	14	9.0
30	11	17	30	42		28	29	18	16	8.7	15	9.0
31	10		28	564		28		18		8.5	15	
	386.2	1666.	1658.	17664.	1923.	965.	5988.	1585.	570.	398.4	340.6	356.9
MEAN	12.4	55.5	53.5	570.	66.3	31.2	199.6	51.1	19.0	12.9	11.0	11.9
ACRE-FEET	766.	3300	3290.	35040.	3814.	1910.	11880.	3140.	1130.	790.	676.	708.

Remarks:

YEAR OR PERIOD MEAN 91.5
ACRE-FEET 66440.

74D74M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

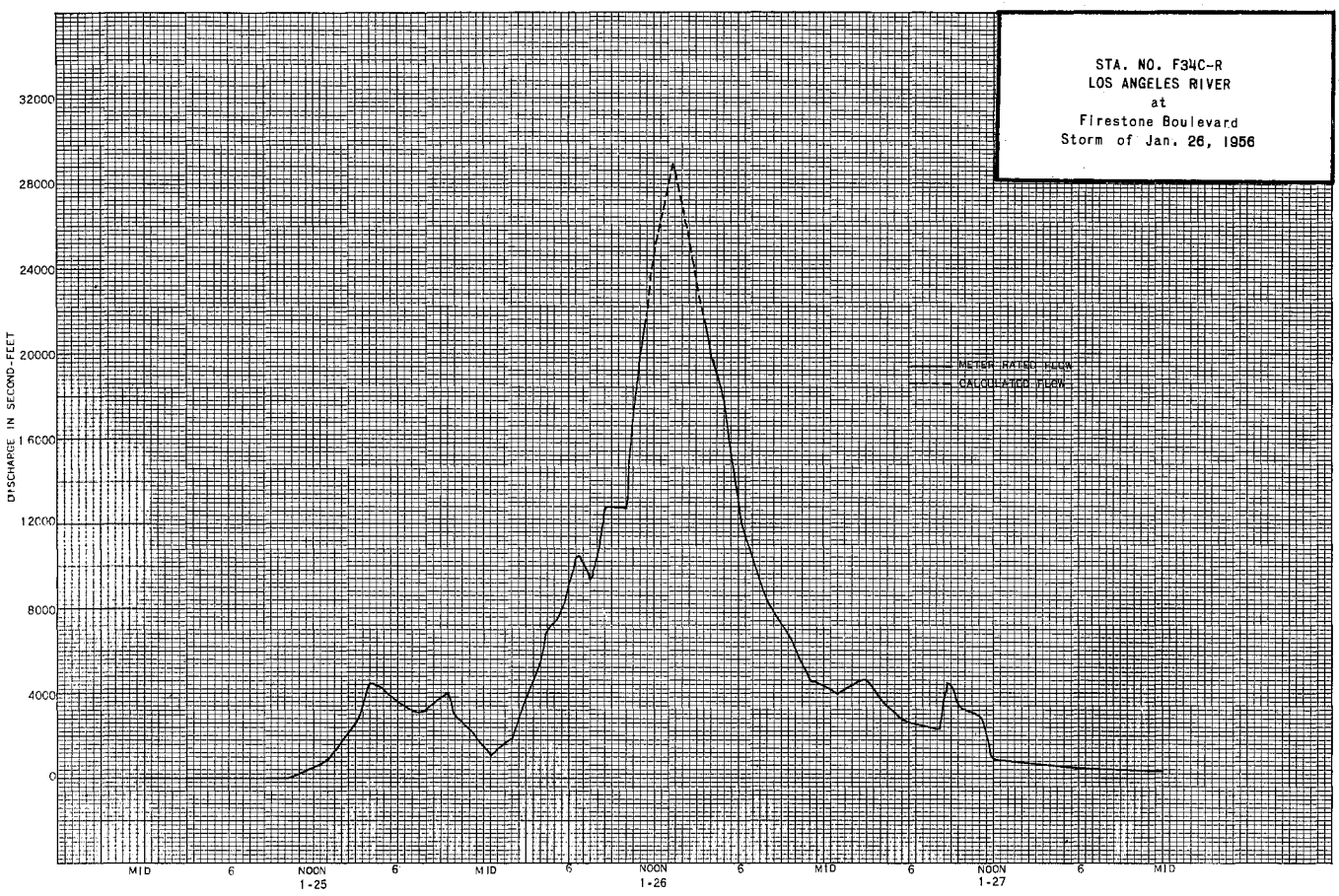
Sta. No. F3ND-R

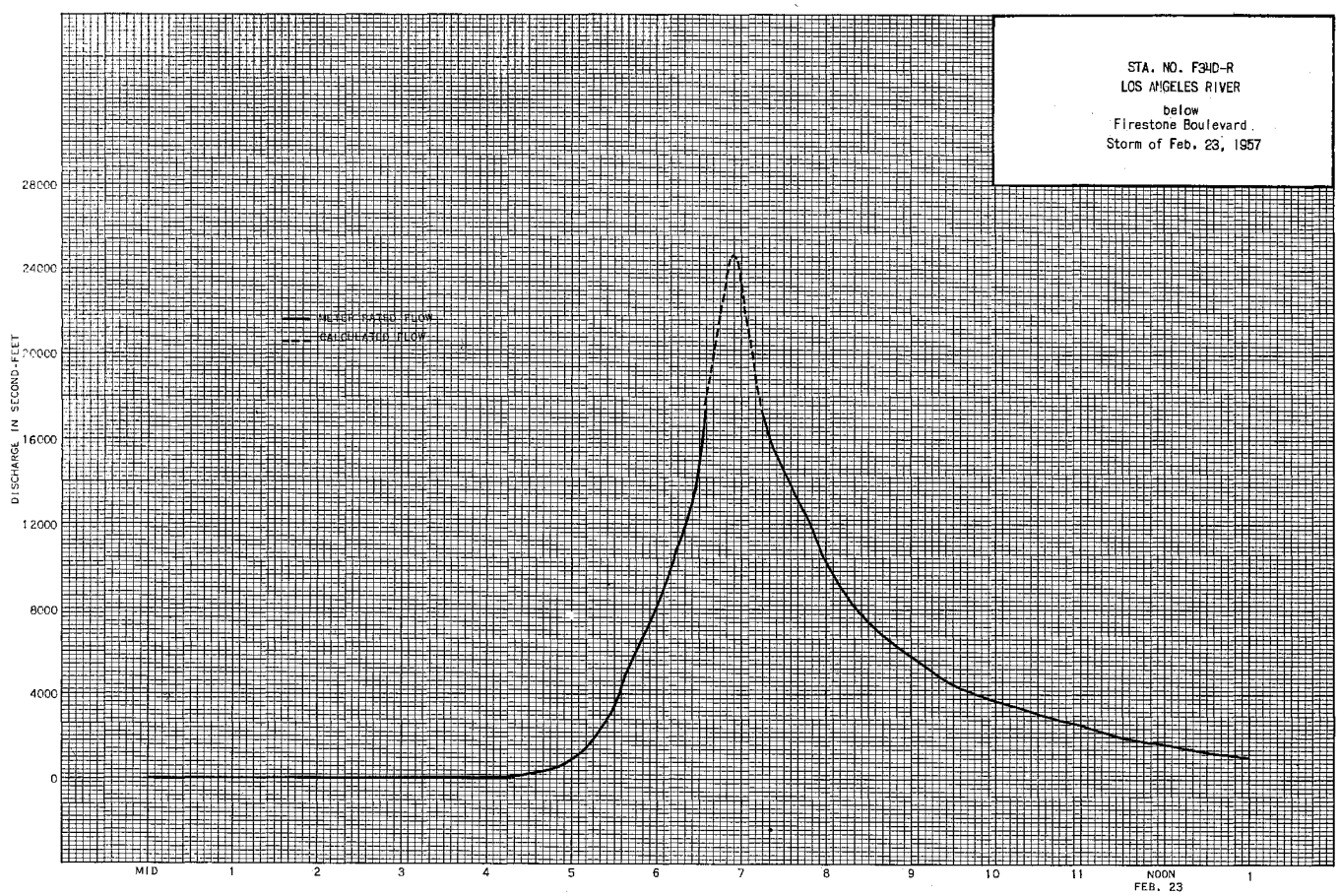
Daily discharge, in second-feet of LOS ANGELES RIVER below Firestone Boulevard, for the year ending September 30, 1957

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	a 10.0	a 9.5	a 14.0	7.4	13.2	659	8.1	a 9.7	5.4	11.0	8.1	6.4
2	10.0	9.5	11.0	10.3	13.2	49	11.0	9.5	5.4	14.7	8.9	8.9
3	10.0	8.2	10.0	11.8	10.3	23	12.5	10.3	6.9	12.5	7.4	12.5
4	5.8	7.0	12.0	13.2	9.6	17.4	12.5	9.6	10.3	8.1	6.4	12.5
5	2.0	6.5	5.0	1040	8.9	15.6	11.8	8.9	8.9	9.6	a 7.4	11.0
6	12.5	7.0	135	42	10.3	13.2	9.6	10.3	10.3	10.3	8.4	11.0
7	10.0	8.0	30	33	10.3	11.0	8.9	11.8	9.6	7.4	9.5	8.9
8	9.0	8.8	20	61	9.6	11.0	10.3	13.2	7.4	9.6	10.5	7.4
9	9.0	9.0	12.0	26	7.4	145	13.2	12.5	5.9	12.5	10.6	9.6
10	9.0	10.0	a 11.5	121	6.9	152	14.0	14.0	29	13.2	10.6	11.0
11	9.0	8.2	11.0	20	9.6	29	13.2	34.8	20	13.2	10.7	11.8
12	10.0	8.0	11.8	557	10.3	24	11.0	230	15.6	14.0	10.7	12.5
13	10.0	9.0	11.8	3960	10.3	18.3	9.6	27	16.5	9.6	10.8	14.0
14	8.5	10.8	12.5	70	9.6	12.5	8.9	24	9.6	7.4	10.8	13.2
15	7.5	10.0	8.1	16.5	9.6	11.8	11.8	34	5.9	5.9	10.9	11.0
16	11.0	10.0	8.1	12.5	7.4	903	12.5	22	3.8	12.5	11.0	13.2
17	11.0	9.5	11.0	10.3	8.1	4.6	4.2	15.6	a 5.0	12.5	11.0	13.2
18	9.1	9.0	11.8	10.3	10.3	2.8	6.6.4	8.9	6.1	10.3	11.1	12.5
19	7.5	9.0	11.0	10.3	11.0	32	5.9	220	7.3	10.3	11.1	11.8
20	10.0	9.0	11.8	367	10.3	20	356	27	a 8.4	8.9	11.2	11.0
21	8.0	9.0	12.5	68	10.3	10.3	300	5.6	9.6	6.4	a 11.2	7.4
22	6.8	9.0	8.9	14.0	13.2	10.3	18.3 e	18.3	11.0	8.1	11.3	5.9
23	9.0	9.0	6.9	32	2424	9.6	13.2 e	17.4	7.4	11.8	11.8	10.3
24	9.0	9.0	7.4	163	61	8.9	13.2 e	17.4	11.0	12.5	10.3	10.3
25	9.0	9.0	5.9	43	24	11.8	11.0	14.7	12.5	12.5	10.3	10.3
26	12.0	9.0	9.6	384	192	14.0 a	10.8	11.0	14.0 a	11.9	12.5	8.9
27	10.5	11.0	11.8	124	14.0	14.7	10.6	11.8	13.2	11.2	11.8	8.9
28	10.0	12.0	12.5	118	671	14.0	10.4	11.0	14.0	10.6	7.4	6.4
29	10.0	11.5	8.1	787		15.6	10.1	11.0	7.4	10.0	8.9	4.8
30	9.0	a 13.0	7.4	113		9.6	a 9.9	6.9	5.4	9.4	8.1	7.4
31	a 10.0		8.1	22		7.4		7.4		a 8.7	8.9	
	354.4	277.5	533.5	8267.6	3432.9	2347.0	1707.4	1249.2	303.8	326.6	309.6	304.0
MEAN	11.4	9.25	17.2	267.	123.	75.7	56.9	40.3	10.1	10.5	9.99	10.1
ACRE-FEET	703.	550.	1060.	16400.	6810.	4660.	3390.	2480.	603.	648.	614.	603.

Remarks:

YEAR OR PERIOD MEAN 53.2
ACRE-FEET 38,500.


STA. NO. F34C-R
LOS ANGELES RIVER
at
Firestone Boulevard
Storm of Jan. 26, 1956
METER RATED FLOW
CALCULATED FLOW
DISCHARGE IN SECOND-FEET
32000
28000
24000
20000
16000
12000
8000
4000
0
MID
6
NOON
1-25
6
MID
6
NOON
1-26
6
MID
6
NOON
1-27
6
MID


STA. NO. F34D-R
LOS ANGELES RIVER
below
Firestone Boulevard
Storm of Feb. 23, 1957
METER RATED FLOW
CALCULATED FLOW
DISCHARGE IN SECOND-FEET
28000
24000
20000
16000
12000
8000
4000
0
MID
1
2
3
4
5
6
7
8
9
10
11
NOON
FEB. 23
1

STATION F319-R
LOS ANGELES RIVER below Belhart Street

LOCATION: WATER STAGE RECORDER. LAT. 33°49'06", LONG. 118°12'17". 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 BRIOGE APPROXIMATELY 1.94 MILES DOWNSTREAM.

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: INSTALLED JANUARY 13, 1956 OVER A 48-INCH DIAMETER CONCRETE STILLING WELL. A STEVENS A-35 CONTINUOUS RECORDER WAS IN SERVICE FROM JANUARY 13, 1956 TO SEPTEMBER 30, 1957.

REGULATION AND/OR DIVERSIONS: FLOW IS SUBJECT TO THE SAME REGULATION AS STATION F34D-R AND STATION F45B-R.

RECORDS AVAILABLE: OCTOBER 1, 1955 TO JANUARY 13, 1956 AT STATION F180-R; JANUARY 13, 1956 TO SEPTEMBER 30, 1957 AT STATION F319R. FOR EARLIER RECORDS, OCTOBER 31, 1931 TO SEPTEMBER 30, 1955. SEE STATION F18D-R. PRIOR TO 1931, SEE STATION F36-R, LOS ANGELES RIVER AT WILLOW STREET.

EXTREMES OF DISCHARGE:
1955-56
MAXIMUM 40500 SECOND-FEET, JANUARY 26.
MINIMUM 5.8 SECOND-FEET, JULY 8.
1956-57
MAXIMUM 23000 SECOND-FEET FEBRUARY 23.
MINIMUM 5.5 SECOND-FEET OCTOBER 7 AND SEPTEMBER 22.
1931-57 (STATION F180-R)
MAXIMUM 99000 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 ~~NEAR~~ Pacific Coast 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.	RAT-ING	METH-OD	MEAS. SEC. NO.	D. HT. CHANGE TOTAL	METER NO.
1459	10/6	1220 / 1236	BONADIMAN	11.0	11.7	1.54		18.0		.6	8		FC19
1460	10/13	1220 / 1230	"	11.0	11.8	1.26	2.02	14.9		.6	8	0	"
1461	10/20	1210 / 1226	"	10.5	11.2	1.68	2.07	18.8		.6	8	0	"
1462	10/27	1310 / 1324	"	12.5	13.6	0.90	2.06	12.3		.6	9	0	"
1463	11/3	1220 / 1232	"	11.0	11.5	1.08		12.4		.6	8		"
1464	11/10	1235 / 1250	"	12.5	13.9	1.17	2.08	16.3		.6	8	0	"
1465	11/14	0900 / 0940	BONADIMAN-SADDORIS	524.	1300.	4.84	5.10	6290.		.6	20	+.11 / +.39 / +.33	"
1466	11/15	1415 / 1430	BONADIMAN	(2) CHANNELS			2.52	119.		.6	12	0	"
1467	11/17	1216 / 1226	"	55.0	49.0	1.20	2.38	58.7		.6	7	0	"
1468	11/21	1920 / 1935	BONADIMAN-DE MARS	363.	834.	4.10	4.56	3420.		.6	17	+.02	"
1469	11/22	1040 / 1110	BONADIMAN	(2) CHANNELS			2.93	256.		.6	16	+.02	"
1470	11/25	1146 / 1156	"	31.0	17.4	0.92	2.36	16.0		.6	8	0	"
1471	12/1	1150 / 1202	"	20.0	6.46	1.39	2.32	8.95		.6	8	0	"
1472	12/2	0145 / 0205	SADDORIS-BONADIMAN	302.	554.	2.31	3.82	1280.		.6	14	+.17	"
1473	12/4	1310 / 1324	BONADIMAN	(2) CHANNELS			2.50	28.8		.6	9	0	"
1474	12/4	1703 / 1717	"	255.	235.	1.52	3.10	358.		.6	15	+.33	"
1475	12/4	1750 / 1805	"	210.	353.	1.78	3.46	627.		.6	13	+.08	"
1476	12/8	1225 / 1238	"	22.0	9.91	1.68	2.53	16.7		.6	9	0	"
1477	12/15	1150 / 1200	"	22.0	11.2	1.97	2.37	22.1		.6	8	0	"
1478	12/22	1150 / 1200	"	23.5	14.2	1.60	2.35	22.8		.6	8	0	"
1479	12/25	1112 / 1136	"	260.	327.	1.59	3.32	521.		.6	16	+.01	"
1480	12/25	1235 / 1255	"	261.	317.	1.62	3.35	514.		.6	16	0	"
1481	12/26	1220 / 1232	"	65.0	50.4	1.07	2.54	53.9		.6	8	0	"
1482	12/29	1220 / 1236	"	22.5	14.1	1.93	2.43	27.2		.6	10	0	"
1483	1/5	1320 / 1340	"	23.5	14.9	2.61	2.39	38.9		.6	8	0	"
1484	1/12	1240 / 1250	BONADIMAN	25.0	19.0	1.68	2.35	32.0		.6	9	0	"

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER

~~AT~~ NEAR below Belhart Street 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.
1	1/19	1248 / 1305	FALCONE-BONADIMAN	25.0	14.0	2.19	0.75	30.7		.6	7	0	FC19
2	1/25	2035 / 2105	BONADIMAN-FALCONE	309.0	1130.	9.09	5.20±	10280.		.6	14	-.11	"
3	1/26	1600 / 1635	" "	330.0	2070.	16.0	8.40±	33170.		.6	15	+.02	"
4	1/27	1020 / 1112	" "	306.0	475.	6.39	2.40±	3040.		.6	16	.06	"
5	1/27	1335 / 1352	SADDORIS	300.0	111.	2.25	1.50±	250.		.5/.6	18	-.01	FC29
6	1/29	1452 / 1520	FALCONE-BONADIMAN	165.0	46.3	2.31	1.30±	107.		.6	12	-.02	FC19
7	1/31	1215 / 1246	" "	301.0	200.	3.21	1.90±	641.		.6	17	-.03	"
8	2/2	1255 / 1307	BONADIMAN	28.0	20.4	2.34	1.04	47.7		.6	7	0	"
9	2/9	1142 / 1156	"	28.0	21.3	2.38	1.14	50.6		.6	9	0	"
10	2/16	1154 / 1204	"	28.5	23.2	2.02	1.18	46.8		.6	9	0	"
11	2/23	1500 / 1526	"	301.5	192.	2.69	1.83	516.		.6	21	+.02	"
12	2/23	2105 / 2135	BONADIMAN-FALCONE	303.0	370.	5.46	2.44	2020.		.6	20	-.06	"
13	2/24	1233 / 1250	SADDORIS-FALCONE	245.0	62.9	2.02	1.50	127.		.5/.6	19	0	FC23
14	3/1	1420 / 1432	SJOSTEDT-BONADIMAN	26.0	16.0	1.99	0.85	31.9		.6	8	0	FC19
15	3/8	1210 / 1220	BONADIMAN	25.0	14.1	2.05	0.80	28.9		.6	7	0	"
16	3/15	1204 / 1216	"	25.5	17.9	2.32	0.91	42.6		.6	9	0	"
17	3/22	1210 / 1224	"	25.0	17.4	2.01	0.89	35.0		.6	9	0	"
18	3/29	1240 / 1252	"	25.0	17.0	2.04	0.90	34.6		.6	9	0	"
19	4/5	1214 / 1224	"	24.5	16.3	2.42	0.89	39.4		.6	7	0	"
20	4/11	1110 / 1145	FALCONE-BONADIMAN	302.	108.	2.28	1.67	246.		.6	19	+.04	"
21	4/12	0649 / 0714	" "	310.	549.	6.34	2.88	3480.		.6	17	-.03	"
22	4/12	1215 / 1240	" "	311.	690.	8.83	3.70	6090.		.6	17	-.10	"
23	4/13	1254 / 1317	" "	301.	174.	3.33	1.87	581.		.6	17	+.03	"
24	4/14	1140 / 1202	" "	251.	67.6	2.37	1.42	160.		.6	15	+.06	"
25	4/19	1222 / 1232	BONADIMAN	26.0	17.2	1.85	0.88	31.9		.6	7	0	FC29
26	4/26	1335 / 1407	BONADIMAN-FALCONE	304.	388.	6.86	2.64	2660.		.6	22	0	"
27	4/26	1424 / 1509	" "	305.	459.	7.19	2.79	3300.		.6	20	-.02	"
28	4/27	1347 / 1400	" "	200.	46.3	2.55	1.42	118.		.6	13	-.02	"
29	5/3	1200 / 1210	" "	23.8	14.3	1.82	0.80	26.0		.6	7	0	"
30	5/9	0655 / 0721	" "	301.	187.	3.58	1.89	669.		.6	18	-.01	"
31	5/9	1215 / 1249	" "	304.	327.	6.12	2.48	2000.		.6	18	+.04	"
32	5/10	1248 / 1310	BONADIMAN	260.	65.3	2.19	1.49	143.	FLOAT	.6	16	0	"
33	5/17	1210 / 1224	"	23.5	10.1	1.40	0.65	14.2		.6	11	0	"
34	5/24	1200 / 1210	"	24.0	15.0	1.85	0.90	27.8		.6	7	0	"
35	5/31	1210 / 1220	"	22.6	8.03	1.18	0.57	9.5		.6	7	0	"
36	6/7	1140 / 1152	"	23.0	10.2	1.47	0.66	15.0		.6	7	0	"
37	6/14	1130 / 1140	"	24.0	14.0	1.62	0.80	22.7		.6	7	0	FC2
38	6/21	1154 / 1206	"	23.0	10.8	1.48	0.69	16.0		.6	7	0	FC19
39	6/28	1303 / 1312	WOOD-BONADIMAN	22.7	8.98	1.37	0.70	12.3		.6	7	0	"
40	7/5	1130 / 1142	BONADIMAN	23.0	10.8	0.98	0.70	10.6		.6	8	0	"
41	7/12	1200 / 1216	"	22.2	9.82	1.03	0.82	10.1		.6	8	0	"
42	7/19	1310 / 1325	SICKLER-FORSTER	24.6	11.0	1.19	0.87	13.1		.6	7	0	"
43	7/26	1144 / 1156	BONADIMAN	24.2	10.4	1.52	0.86	15.8		.5/.6	8	0	"
44	8/2	1245 / 1300	"	25.0	14.5	1.02	0.92	14.8		.6	7	0	"
45	8/9	1254 / 1305	ROY-BONADIMAN	24.0	12.3	1.33	0.99	16.4		.6	7	0	"
46	8/16	1130 / 1142	BONADIMAN	24.3	12.6	0.79	0.90	10.0		.6	8	0	"
47	8/23	1144 / 1156	"	25.0	12.8	1.11	0.91	14.2		.6	8	0	"
48	8/30	1220 / 1232	WOOD-BONADIMAN	24.7	12.9	1.00	0.92	12.9		.6	8	0	FC57
49	9/6	1440 / 1500	WOOD	24.2	11.7	1.25	1.00	14.6		.6	10	0	"
50	9/13	1205 / 1219	"	25.5	13.9	1.07	0.96	14.9		.6	9	0	"
51	9/20	1315 / 1329	"	24.6	11.8	1.49	1.03	17.6		.6	9	0	"
52	9/27	1134 / 1142	BONADIMAN	24.2	12.5	1.08	0.96	13.5		.6	7	0	FC19

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER

~~AT~~ NEAR Below Belhart Street 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.	S. HT. CHANGE TOTAL	METER NO.
53	10/5	1000 / 1010	BONADIMAN	26.0	22.2	2.46	1.15	54.6		.6	7	0	FC19
54	10/11	1134 / 1144	"	23.6	10.2	1.08	0.85	11.0		.6	8	0	"
55	10/18	1150 / 1202	"	25.0	13.8	1.00	0.91	13.9		.6	10	0	"
56	10/25	1150 / 1200	"	25.0	13.8	0.92	0.90	12.9		.6	9	0	"
57	11/1	1332 / 1344	BONADIMAN-THOMPSON	24.0	13.0	0.95	0.86	12.4		.6	10	0	"
58	11/8	1150 / 1210	BONADIMAN	25.0	11.9	0.80	0.94	9.5		.6	12	0	"
59	11/15	1132 / 1150	"	24.0	10.5	1.12	0.91	11.8		.6	10	0	"
60	11/23	1140 / 1150	"	13.0	5.62	1.12	0.71	6.3		.6	8	0	"
61	11/29	1124 / 1140	"	24.5	10.7	1.27	0.95	13.6		.6	11	0	"
62	12/6	0017 / 0050	BONADIMAN-WOOD	297.	206.	4.31	1.97	888.		.6	20	+.02	"
63	12/6	1340 / 1352	WOOD-BONADIMAN	27.0	21.1	3.51	1.13	74.0		.6	9	0	"
64	12/13	1234 / 1250	BONADIMAN	24.0	13.8	1.28	0.86	17.5		.6	11	0	"
65	12/20	1146 / 1156	BONADIMAN-STUNDEN	24.5	12.6	1.00	0.83	12.6		.6	11	0	"
66	12/27	1150 / 1210	BONADIMAN	24.0	12.5	1.03	0.85	12.9		.6	9	0	"
67	1/3	1150 / 1204	"	23.0	9.85	1.09	0.86	10.7		.6	11	0	"
68	1/5	0916 / 0940	WOOD-BONADIMAN	302.	194.	3.08	1.91	599.		.6	18	+.05	"
69	1/5	1045 / 1109	" "	305.	541.	8.06	3.20	4360.		.6	17	-.07 +.19	"
70	1/6	1044 / 1056	BONADIMAN	26.0	18.5	3.04	1.03	57.0		.6	9	0	"
71	1/10	0805 / 0840	WOOD-BONADIMAN	302.	222.	3.05	1.87	677.		SUR. .6	20	-.02	"
72	1/10	1600 / 1620	" "	270.	93.3	2.14	1.65	200.		.6	15	-.02	"
73	1/11	1002 / 1016	BONADIMAN	23.8	15.0	2.86	0.89	43.0		.6	8	-.02	"
74	1/13	0414 / 0453	BONADIMAN-WOOD	318.	210.	10.8	5.54	13100.		.6	15	+.02	"
75	1/14	1420 / 1432	WOOD	28.0	22.9	3.00	1.08	68.4		.6	9	0	"
76	1/17	1305 / 1315	ROY-BONADIMAN	21.7	8.34	1.65	0.61	13.7		.6	8	0	"
77	1/20	1751 / 1813	" "	304.	405.	5.30	2.53	2150.		.6	17	-.10	"
78	1/21	1325 / 1335	ROY	25.0	22.3	3.49	1.18	77.9		.6	7	0	"
79	1/24	1150 / 1222	SARASUA-ROY	97.0	131.	2.06	1.74	270.		.6	18	0	"
80	1/25	1035 / 1040	ROY	28.0	22.4	3.66	1.22	82.0		.6	7	0	"
81	1/26	0802 / 0824	SARASUA-ROY	305.	373.	5.03	2.48	1880.		.6	17	-.08	"
82	1/26	1345 / 1402	" "	304.	211.	2.91	2.02	616.		.6	18	-.01	"
83	1/27	1100 / 1110	BONADIMAN	26.5	21.6	3.06	1.14	66.3		.6	7	0	"
84	1/27	1722 / 1734	"	303.	131.	2.14	1.69	280.		.6	12	0	"
85	1/29	0826 / 0855	ROY-BONADIMAN	306.	343.	4.38	2.37	1500.		.6	15	+.02	"
86	1/29	1540 / 1555	SARASUA-BONADIMAN	304.	352.	4.04	2.27	1430.		.6	14	0	"
87	1/30	1320 / 1330	ROY-BONADIMAN	28.0	28.0	3.93	1.40	110.		.6	7	0	"
88	1/31	1226 / 1240	BONADIMAN	24.5	15.7	2.44	0.98	38.1		.6	7	0	"
89	2/7	1324 / 1334	MC BRIDE-BONADIMAN	22.5	9.7	1.34	0.71	13.0		.6	8	0	"
90	2/14	1152 / 1206	BONADIMAN	22.8	9.81	1.34	0.72	13.1		.6	8	0	"
91	2/21	1104 / 1116	"	22.0	9.03	1.40	0.61	12.7		.6	7	0	"
92	2/23	0858 / 0920	BONADIMAN-WOOD	318.	1182.	10.0	5.52	11860.		.6	12	-.90	"
93	2/24	1127 / 1143	WOOD	25.6	21.7	3.80	1.18	82.4		.6	9	0	"
94	2/28	1705 / 1805	ROY-BONADIMAN	304.	433.	5.82	2.61	2520.		.6	16	+.06	"
95	3/1	1400 / 1418	" "	303.	231.	3.56	2.10	822.		.6	17	+.20	"
96	3/2	1108 / 1120	FALCONE	25.0	17.2	3.28	1.00	56.4		.6	7	0	"
97	3/7	1253 / 1305	MC BRIDE	22.5	10.2	1.31	0.76	13.4		.6	8	0	"
98	3/9	1953 / 2000	MC BRIDE-BONADIMAN	302.	249.	3.98	2.17	989.		.6	16	+.02	"
99	3/10	1100 / 1119	WOOD	250.	76.0	2.02	1.56	154.		.6	14	-.01	FC57
100	3/14	1230 / 1240	BROOK	22.0	8.51	1.34	0.67	11.4		.5	8	0	FC19
101	3/16	0930 / 1006	MC BRIDE-BONADIMAN	307.	764.	7.44	3.36	5680.		.6	16	-.25	"
102	3/17	1135 / 1145	WOOD	25.0	16.4	2.93	1.00	48.1		.6	9	0	"
103	3/21	1145 / 1157	BOWMAN	23.0	9.82	1.32	0.75	13.0		.6	7	0	"
104	3/28	1204 / 1216	BONADIMAN	23.0	10.9	1.39	0.87	15.2		.6	8	0	"
105	4/4	1142 / 1154	"	23.5	10.4	1.30	0.91	13.5		.6	9	0	"
106	4/11	1155 / 1206	"	23.5	12.2	1.19	0.88	14.5		.6	8	0	"
107	4/18	0805 / 0840	MC BRIDE-BONADIMAN	304.	296.	4.27	2.27	1264.		.6	16	-.10	"
108	4/18	1234 / 1304	" "	304.	484.	5.73	2.69	2771.		.6	17	-.03	"
109	4/19	1010 / 1017	WOOD	25.0	19.3	3.07	1.09	59.3		.6	7	0	"
110	4/20	1730 / 1800	MC BRIDE-BONADIMAN	307.	307.	4.14	2.26	1270.		.6	17	+.06	"
111	4/21	0957 / 1015	BONADIMAN	304.	110.	1.70	1.60	187.		SUR. .6	14	0	"
112	4/25	1150 / 1202	"	23.7	11.4	1.19	0.80	13.6		.6	8	0	"
113	5/2	1224 / 1232	"	8.5	2.64	0.98	0.65	2.6		.5	6	0	"
114	5/9	1135 / 1150	"	23.0	9.52	1.37	0.87	13.1		.6 .5	8	0	FC46
115	5/11	1940 / 1949	BONADIMAN-WOOD	302.	155.	2.23	1.80	346.		.6	15	-.01	FC19
116	5/12	1018 / 1036	BONADIMAN	302.	128.	2.10	1.71	269.		.6	17	-.02	"
117	5/13	1100 / 1120	MC BRIDE-BROOK	23.5	11.3	1.90	0.74	21.5		.6	13	0	FC26
118	5/16	1134 / 1144	BONADIMAN	23.5	13.8	1.70	0.85	23.4		.6	7	0	FC19
119	5/19	1012 / 1035	"	302.	270.	3.85	2.15	1040.		.6	16	0	"
120	5/20	1141 / 1150	BOWMAN-FALCONE	23.0	7.88	1.73	0.68	13.5		.6	19	0	FC26
121	5/23	1315 / 1320	BONADIMAN-FALCONE	23.0	10.2	1.52	0.66	15.5		.5	7	0	FC19
122	5/29	1152 / 1200	BONADIMAN	22.5	9.18	1.35	0.70	12.4		.6	7	0	"
123	6/6	1200 / 1210	"	23.3	10.6	1.25	0.76	13.2		.6	8	0	"
124	6/10	1356 / 1406	"	27.0	23.8	2.34	1.29	55.9		.6	8	+.02	"
125	6/13	1200 / 1210	"	23.0	10.6	1.20	0.80	12.6		.6	7	0	"
126	6/20	1220 / 1230	"	23.0	11.0	1.26	0.84	13.9		.6	8	0	"
127	6/27	1130 / 1140	"	23.0	10.5	1.40	0.82	14.7		.6	8	0	"
128	7/3	1144 / 1154	"	23.5	12.1	1.10	0.83	13.3		.6	7	0	"
129	7/11	1227 / 1235	"	23.8	13.3	1.32	0.91	17.6		.6	7	0	"
130	7/18	1136 / 1146	"	23.0	11.1	1.08	0.85	11.9		.6	7	0	"
131	7/25	1140 / 1150	"	23.6	12.6	1.21	0.89	15.3		.6	8	0	"
132	8/1	1230 / 1240	"	23.9	12.4	1.17	0.94	14.6		.6	8	0	"
133	8/8	1115 / 1125	"	23.3	11.4	1.01	0.88	11.6		.6	7	0	"
134	8/15	1147 / 1155	BONADIMAN-BLAKELY	23.6	13.6	1.26	0.97	17.1		.6	7	0	"
135	8/22	1148 / 1200	BONADIMAN	23.8	13.7	1.26	0.96	17.3		.6	8	0	"
136	8/29	1200 / 1212	"	23.8	11.8	1.24	0.97	14.7		.6	8	0	"
137	9/5	1153 / 1200	WOOD	23.0	9.44	1.19	0.89	11.2		.5	7	0	FC57
138	9/12	1310 / 1319	"	23.0	10.8	1.15	0.92	12.4		.6	8	0	"
139	9/19	1022 / 1034	"	23.0	9.91	1.21	0.95	12.0		.6	8	0	"
140	9/26	1155 / 1205		23.0	10.8	1.06	1.00	11.4		.6	8	0	FC19

76D74M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F180-R

Daily discharge, in second-feet of LOS ANGELES RIVER at Pacific Coast Highway, for the year ending September 30, 19 56

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	b 16	b 12	9.0	b 29								
2	17	12	98	32								
3	17	12	44	34								
4	18	12	319	37								
5	18	13	295	39								
6	18	14	24	38								
7	18	14	21	37								
8	17	15	16	36								
9	17	16	b 17	35								
10	16	16	18	34								
11	15	16	19	33								
12	15	16	20	32								
13	15	b 16	21	31								
14	15	f1330	22	30								
15	16	f 274	22	30								
16	17	b 42	22	30								
17	17	57	22	30								
18	18	78	22	31								
19	19	29	23	31								
20	19	b 22	23									
21	18	585	b 23									
22	17	345	b 23									
23	16	b 23	36									
24	15	16	80									
25	14	16	217									
26	13	15	68									
27	12	14	82									
28	12	13	44									
29	12	12	27									
30	12	b 10	b 27									
31	b 12		b 27									
	491.	3065.	1731.0									
MEAN	15.8	102.	55.8									
ACRE-FEET	974.	6080.	3430.									

Remarks:

YEAR OR PERIOD MEAN ____ ACRE-FEET ____

76D74M Gb 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, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1					b100	30	61	21	10.6	8.2	15.2	12.0
2					55	28	118	25	12.0	9.7	14.6	8.8
3					51	26	36	29	9.7	10.6	13.9	8.8
4					52	22	32	31	9.7	9.7	12.6	8.5
5					53	21	32	22	12.6	10.0	10.0	13.2
6					53	25	29	12.6	15.2	10.6	8.8	14.6
7					51	25	28	14.6	15.8	11.3	10.0	12.0
8					46	26	24	18.4	15.2	7.0	13.2	10.6
9					44	29	20	836	10.0	7.6	14.6	7.3
10				FOR PRIOR RECORD SEE STATION F180-R	41	35	26	200	8.5	9.7	13.2	7.6
11					39	33	115	36	12.0	9.1	10.6	11.3
12					37	30	3250	22	16.5	10.0	7.9	10.6
13					36	44	1460	13.9	18.4	10.0	7.0	9.4
14					39	41	315	12.6	24	9.4	9.1	9.1
15					40	41	50	13.9	20.0	10.6	9.1	9.4
16					39	41	46	17.8	10.0	9.7	9.4	7.3
17					38	38	42	19.8	8.2	8.8	9.7	7.6
18					44	30	33	20	10.0	10.0	10.0	17.2
19					32	24	29	20	13.2	13.2	9.1	10.0
20				29	22	31	25	11.3	14.6	11.3	8.8	10.6
21				28	29	32	23	8.5	15.2	11.3	11.3	16.5
22				27	27	32	21	13.2	13.2	8.8	12.6	16.5
23				31	553	26	23	17.8	13.9	9.4	13.2	10.0
24				36	269	28	21	19.1	8.5	16.5	15.8	8.8
25				b 32	90	68	23	25	17.2	8.2	18.4	15.8	10.6
26				21700	34	19.8	922	15.8	10.0	15.8	11.3	13.9
27				3670	24	26	163	12.0	12.0	15.8	10.6	13.9
28				427	31	27	35	10.6	11.3	12.6	14.6	11.3
29				98	29	28	20	14.6	13.9	9.1	14.6	11.3
30	RECORD	FROM STATION F180-R		60		28	17.8	13.9	13.9	9.1	13.9	9.7
31				b 600		27		10.0		13.2	13.9	
	491.0	3065.0	1731.0	30625.	1976.0	916.8	7041.8	1549.6	386.3	336.5	364.4	328.4
MEAN	15.8	102.	55.8	988.	68.1	29.6	235.	50.0	12.9	10.9	11.8	10.9
ACRE-FEET	974.	6080.	3430.	60740.	3920.	1820.	13970.	3070.	766.	667.	723.	651.

Remarks:

YEAR OR PERIOD MEAN 133. ACRE-FEET 96,810.

FORM Gls 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

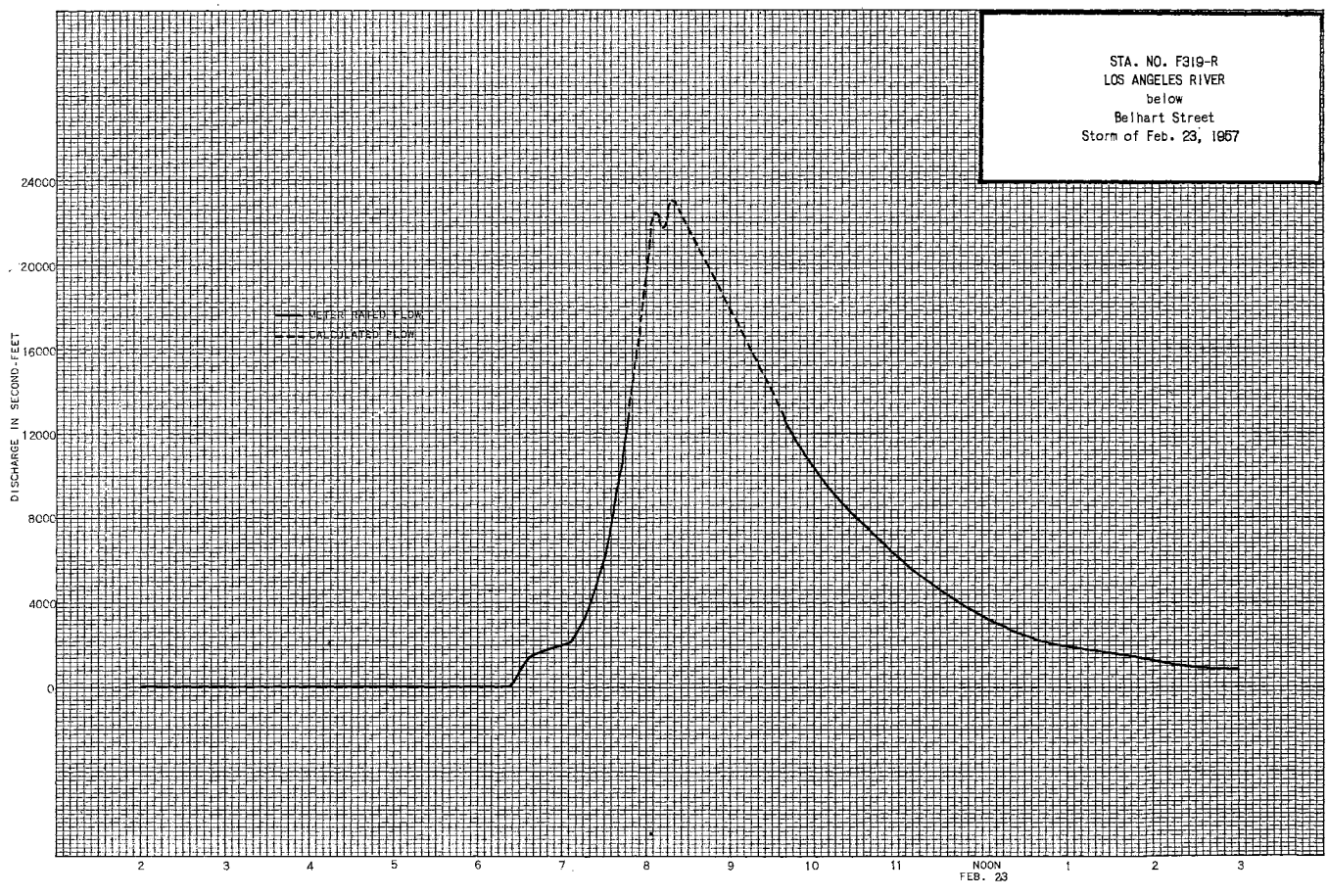
Sta. No. F319-R

Daily discharge, in second-feet of LOS ANGELES RIVER below Belhart Street for the year ending September 30, 1957

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	113	139	152	82	26	806	76	139	91	73	126	79
2	126	113	132	73	191	71	76	126	85	97	126	79
3	158	100	113	106	178	27	85	152	91	126	126	82
4	166	82	158	139	156	198	106	152	113	106	88	132
5	70	79	39	1250	139	22	100	132	113	76	91	132
6	91	82	225	101	139	198	100	120	126	106	106	132
7	55	82	38	39	146	174	70	146	132	94	106	97
8	58	91	28	49	132	240	68	152	120	82	106	79
9	70	94	158	25	106	166	120	139	88	126	113	82
10	91	113	132	309	79	282	152	146	31	139	113	113
11	106	94	152	44	85	146	158	240	23	152	79	146
12	113	88	132	53	106	120	139	456	132	139	88	139
13	113	106	152	4550	100	113	146	198	139	120	139	146
14	91	120	178	76	106	120	126	198	120	85	152	165
15	88	113	146	34	94	106	139	26	91	70	152	94
16	132	113	106	191	97	1530	158	24	68	126	146	88
17	126	106	126	139	94	154	191	22	60	178	139	139
18	120	88	139	158	97	23	994	198	85	152	139	120
19	85	85	113	146	120	46	121	261	100	126	126	120
20	120	100	126	408	132	20	554	28	113	126	198	113
21	91	100	146	239	120	120	654	94	100	79	178	88
22	70	100	152	178	97	94	107	198	106	79	165	55
23	100	82	113	27	2800	85	24	152	88	139	172	62
24	97	113	91	211	95	76	21	146	79	165	158	97
25	113	85	82	61	31	85	20	120	113	178	94	120
26	126	88	85	846	22	106	120	139	152	178	88	120
27	120	126	132	203	23	146	126	94	120	158	126	106
28	113	139	132	256	632	146	97	120	120	97	146	97
29	106	126	139	988		139	91	139	120	94	152	73
30	100	146	113	273		132	139	126	82	132	120	82
31	126		94	36		73		91		146	94	
	3884	3093	6790	10219.2	3880.6	3408.7	2753.3	1483	3487	3744	3952	3177
MEAN	12.5	10.3	21.9	330.	138.6	110.	91.8	47.8	11.6	12.1	12.7	10.6
ACRE-FEET	770.	614.	1350.	20270.	7810.	6760.	5460.	2940.	692.	743.	784.	630.

Remarks:

YEAR OR PERIOD MEAN 67.3
ACRE-FEET 48,710.



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 7 FEET ABOVE STEARNS STREET BRIDGE. ELEVATION OF ZERO GAGE HEIGHT 4.37 FEET.

DRAINAGE AREA: 36.2 SQUARE MILES.

CHANNEL AND CONTROL: TRAPEZPIDAL 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: INSTALLED OCTOBER 26, 1955 OVER A 36" DIA. CONCRETE STILLING WELL. AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 26, 1955 TO JANUARY 16, 1957; A STEVENS TYPE A35 CONTINUOUS RECORDER FROM JANUARY 16, 1957 TO SEPTEMBER 30, 1957.

REGULATIONS AND/OR DIVERSIONS: NONE.

RECORDS AVAILABLE: LOS CERRITOS CHANNEL AT 7TH 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, 1957.

EXTREMES OF DISCHARGE:
1955-56
MAXIMUM 3040 SECOND-FEET JANUARY 25.
MINIMUM DRY AT TIMES
1956-57
MAXIMUM 747 SECOND-FEET FEBRUARY 23.
MINIMUM PLUS FLOW PART OF SEASON.
1949-57
MAXIMUM 3040 SECOND-FEET JANUARY 25, 1956.
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 NEAR Stearns 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.	RATING	METHOD	MEAS. REC. NO.	G. HT. CHANGE TOTAL	METER NO.
1	11/14	0800 / 0805	BONADIMAN-SADDORIS	93.0	110.	1.94	1.52	214.		.6	9	-.03	FC19
2	11/15	1021 / 1027	BONADIMAN	16.0	2.35	0.60	0.15	1.4	FLOATS	6	0		
3	11/15	1030 / 1038	"	5.0	1.15	1.00	0.15	1.1		.5	5	0	FC19
4	11/17	1440 / 1454	"	75.0	29.8	1.01	0.56	30.0		.6	10	-.02	"
5	11/21	1558 / 1708	"	62.0	22.1	0.77	0.49	17.1		.6	8	+.01	"
6	12/1	2320 / 2325	"	71.0	22.6	0.87	0.44	19.8		.6	7	0	"
7	12/4	1145 / 1150	"	13.0	1.26	0.46	0.09	0.58	FLOATS		4	0	
8	12/8	1430	"	8.0	0.40	0.50	0.06	0.17	"		3	0	
9	1/5	1430	"	6.0	0.12	0.25	0.06	0.03	"		3	0	
10	1-12	1412 / 1415	"	8.0	0.48	0.21	0.08	0.10	FLOATS		3	0	
11	1/25	1805 / 1815	BONADIMAN-FALCONE	98.0	287.	5.05	3.32	1450.		.6	11	-.08	FC19
12	1/26	1820 / 1834	" "	95.0	163.	3.76	2.16	613.		.6	9	-.09	"
13	1/29	1450	BONADIMAN	20.0	1.55	0.97	0.14	1.5	FLOATS		4	0	
14	2/23	1148 / 1158	"	75.0	28.6	1.13	0.56	32.3		.6	8	0	FC19
15	2/24	1010 / 1024	SADDORIS-FALCONE	77.0	22.8	0.86	0.46	19.7		.5	14	+.02	FC23
16	3/1	1610	BONADIMAN	14.0	1.13	1.00	0.12	1.1	FLOATS		4	0	
17	4/5	1504	"	6.0	0.24	0.33	0.08	0.08	"		3	0	
18	4/12	0810 / 0820	BONADIMAN-FALCONE	90.0	61.3	1.20	0.94	73.7		.6	9	+.05	FC19
19	4/12	1620 / 1627	" "	90.0	78.6	2.45	1.21	193.		.6	9	-.02	"
20	4/13	1416 / 1425	" "	90.0	63.3	1.88	0.94	119.		.6	9	+.03	"
21	4/13	1625 / 1638	" "	91.0	99.8	3.24	1.44	323.		.6	10	-.05	"
22	4/14	1042 / 1050	" "	32.0	5.52	1.61	0.33	9.0		.5	5	0	"
23	4/19	1447	BONADIMAN	6.0	0.30	1.03	0.07	0.31	FLOATS			0	
24	4/26	1139 / 1151	BONADIMAN-FALCONE	90.0	81.8	2.46	1.22	201.		.6	10	0	FC19
25	4/27	1129 / 1134	" "	60.0	26.4	0.97	0.50	25.6		.6	8	0	"
26	5/9	0512 / 0520	" "	75.0	27.5	0.85	0.51	23.5		.6	7	-.01	"
27	5/10	1522 / 1527	BONADIMAN	19.0	2.27	0.66	0.16	1.5	FLOATS		5	0	
28	5/17	1424	"	16.0	0.96	0.78	0.10	0.75			"	3	0
29	5/31	1440 / 1442	"	14.0	0.98	1.02	0.14	1.0			"	3	0
30	6/7	1435	"	16.0	1.12	0.54	0.55	0.62			"	3	0
31	6/14	1440 / 1444	"	15.0	0.90	0.48	0.15	0.43			"	3	0
32	6/21	1500 / 1504	"	14.5	1.16	0.37	0.07	0.43			"	3	0
33	6/28	1530 / 1534	"	14.0	1.40	0.86	0.18	1.2			"	4	0
34	7/5	1436 / 1440	"	14.0	1.00	0.85	0.14	0.85			"	4	0
35	7/19	1515 / 1525	SICKLER-FORSTER	18.0	1.58	0.70	0.17	1.1			"	4	0
36	7/26	1502 / 1506	BONADIMAN	19.0	2.34	0.64	0.16	1.5			"	4	0
37	8/2	1510 / 1512	"	8.0	0.24	0.38	0.08	0.09			"	3	0
38	8/9	1450 / 1454	ROY-BONADIMAN	14.0	1.04	0.67	0.11	0.70			"	4	0
39	8/16	1510	BONADIMAN	8.0	0.32	0.44	0.08	0.14			"	3	0
40	8/23	1517	"	6.0	0.54	0.67	0.13	0.36			"	3	0
41	8/30	1450 / 1452	WOOD-BONADIMAN	6.0	0.27	0.37	0.12	0.10			"	3	0
42	9/6	1645 / 1647	WOOD	13.0	0.45	0.53	0.16	0.24			"	3	0
43	9/13	1442 / 1448	"	7.0	0.86	0.63	0.23	0.54			"	4	0

DISCHARGE MEASUREMENTS OF LOS CERRITOS CHANNEL

AT NEAR Stearns Street 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.	G. HT. CHANGE TOTAL	METER NO.
44	10/18	1502 / 1512	BONADIMAN	28.0	5.50	0.89	0.35	4.9		.5	7	0	FC19
45	11/15	1442 / 1446	"	10.0	0.50	0.44	0.13	0.22	FLOATS		3	0	
46	11/23	1450 / 1460	"	12.0	0.68	0.44	0.16	0.33		"	4	0	
47	11/29	1442 / 1446	"	12.0	0.84	0.36	0.16	0.30		"	4	0	
48	12/13	1510 / 1516	"	22.0	2.90	0.45	0.21	1.3		"	4	0	
49	12/20	1440 / 1442	BONADIMAN-STUNDEN	11.0	0.82	0.37	0.20	0.31		"	4	0	
50	12/27	1440 / 1444	BONADIMAN	20.0	2.16	0.40	0.20	0.86		"	4	0	
51	1/3	1432 / 1438	"	20.0	2.56	0.51	0.24	1.3		"	4	0	
52	1/5	0718 / 0732	R.V.WOOD-BONADIMAN	90.0	61.0	1.34	0.90	81.5		.6	11	+.05	FC19
53	1/10	1102 / 1117	" "	89.0	54.4	1.47	0.82	79.7		.5 / .6	12	-.02	"
54	1/13	0612 / 0621	BONADIMAN-R.V.WOOD	93.0	137.	3.03	1.78	415.		.6	9	-.03	"
55	1/20	2035 / 2047	ROY-BONADIMAN	87.0	45.6	1.40	0.72	63.6		.6	8	-.01	"
56	1/21	1448 / 1455	" "	37.0	7.52	0.65	0.25	4.9		.5	6	0	"
57	1/24	1320 / 1330	SARASUA-ROY	33.0	7.34	1.42	0.34	10.4	FLOATS		9	+.01	
58	1/26	0655 / 0706	SARASUA-ROY	91.0	74.5	2.13	1.07	158.		.6	11	-.03	FC19
59	1/29	0540 / 0552	ROY-BONADIMAN	85.0	44.1	1.30	0.68	57.7		.6	9	+.01	"
60	1/31	1556 / 1558	BONADIMAN	14.0	0.84	0.67	0.11	0.56	FLOATS		3	0	
61	2/7	1452 / 1458	MC BRIDE	18.0	2.56	1.21	0.21	3.1		"	5	0	
62	2/23	1015 / 1032	WOOD-BONADIMAN	90.0	99.4	2.26	1.21	225.		.6	11	-.07	FC19
63	2/28	1900 / 1912	ROY-BONADIMAN	89.0	47.9	1.17	0.75	55.9		.6	10	-.02	"
64	3/1	1650 / 1700	" "	70.0	24.8	0.66	0.47	16.3		.6	10	-.02	"
65	3/7	1525 / 1532	BONADIMAN	16.0	1.20	0.91	0.15	1.1	FLOATS		3	0	
66	3/9	2140 / 2145	MC BRIDE - BONADIMAN	64.0	18.0	0.56	0.36	10.0		.5	7	-.01	"
67	3/14	1500 / 1503	BROOK	14.0	0.48	0.23	0.08	0.11	FLOATS		3	0	
68	3/16	0817 / 0830	MC BRIDE - BONADIMAN	89.0	61.5	1.52	0.84	93.0		.6	9	+.02	FC19
69	4/11	1420 / 1430	BONADIMAN	22.0	2.54	0.43	0.14	1.1	FLOATS		4	0	
70	4/18	0435 / 0446	MC BRIDE - BONADIMAN	80.0	37.1	0.98	0.61	36.4		.6	8	-.02	FC19
71	4/20	2119 / 2135	" "	90.0	93.2	2.30	1.20	214.		SUB. .6	10	+.02	"
72	4/25	1430 / 1435	BONADIMAN	20.0	2.63	0.85	0.14	2.2.	FLOATS		4	0	
73	5/2	1506 / 1512	"	16.0	1.27	0.79	0.13	1.0		"	4	0	
74	5/9	1400 / 1416	"	18.0	1.56	0.83	0.14	1.3		"	4	0	
75	5/16	1418 / 1424	"	21.0	3.08	0.65	0.15	2.0	FLOATS		4	0	
76	5/29	1432 / 1436	"	22.0	3.28	0.85	0.20	2.6		"	4	0	
77	6/6	1450 / 1454	"	18.0	2.10	0.57	0.20	1.2		"	4	0	
78	6/13	1446 / 1450	"	20.0	3.90	0.82	0.22	3.2		"	4	0	
79	6/20	1515 / 1519	"	23.0	3.29	0.76	0.26	2.5		"	4	0	
80	6/27	1457 / 1500	"	20.0	2.60	0.20	0.19	0.51		"	3	0	
81	7/18	1410 / 1412	"	20.0	2.80	0.71	0.28	2.0		"	3	0	
82	7/25	1430 / 1438	"	24.0	4.06	0.57	0.24	2.4		"	5	0	
83	8/8	1410 / 1412	"	16.0	0.96	0.28	0.20	0.27		"	3	0	
84	8/15	1520 / 1524	BONADIMAN-BLAKELY	17.0	1.26	0.37	0.21	0.47		"	4	0	
85	8/22	1422 / 1426	BONADIMAN	10.0	0.58	0.34	0.17	0.20		"	4	0	
86	9/26	1415 / 1420	"	12.0	0.56	0.46	0.17	0.26		"	4	0	

TSD716M Cib 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, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	a	0.2	5.5	+	2.5	0.5	0.3	+	0.8	+	0.2	+
2		+	9.4		0.1	0.4	1.4	+	0.6	0.3	0.1	
3			0.5		+	0.2	0.3	+	0.9	0.3	+	0+
4			7.7			0.5	0.3	0.2	0.6	0.1	0.6	0
5		+	7.8	+		0.1	0.2	0.2	0.8	0.3	0.4	+
6		0.1	1.9	0.1		+	0.2	0.1	0.4	0.2	0.9	
7		+	1.4	0.1			0.2	0.1	0.8	0.6	0.3	
8			0.3	+	+		0.1	0.2	1.1	0.5	0.6	
9			+		0.6	+	0.1	11.7	0.6	+	0.6	+
10		+			0.7	0.2	0.4	2.2	0.9	0.2	0.2	0.1
11		0.2		+	0.2	0.1	0.8	0.5	0.3	0.1	0.1	0.1
12		0.4		0.1	+	+	1850	0.5	0.6	0.4	0.1	+
13		0.8		0.2	+		132	3.8	0.6	+	0.1	0.1
14		108		0.2	+		15.0	0.9	0.4	0.3	+	0
15		2.3	+	0.2	0.4		0.8	0.4	0.2	0.3	+	0
16		+	0	+	0.4		+	0.3	0.5	+	0.2	0.4
17		11	0		0.6		+	0.4	0.6	0.4	0.5	0.2
18		3.4	0		0.4		0.2	0.5	0.4	+	+	+
19		0.2	0		+		0.3	0.5	0.8	0.6	+	0
20		0.1	0		+	+	+	0.2	0.8	2.2	0.1	0
21		6.1	0		+	0.2	+	1.9	0.5	2.9	+	+
22		3.3	0	+	0.8		0.1	0.4	0.6	0.8	0.1	
23		0.6	0.4	0.9	16.0	0.4	0.4	0.2	0.8	0.8	0.1	
24		0.1	0.3	1.4	17.0	0.5	0.3	0.4	+	0.9	+	
25	a	+	0.6	8.2	1.4	0.3	+	0.3	+	1.1	0.4	
26	+		0.1	1460	0.4	0.2	55	0.9	0.5	1.1	0.3	+
27			0.6	138	0.5	0.1	13.8	0.5	0.3	0.4	+	0
28			0.2	5.9	0.2	0.4	1.7	0.5	0.1	0.9		+
29			+	1.7	0.1	+	0.3	0.6	+	0.5		+
30		+	+	2.3		+	0.2	0.6	0.8	0.6	+	+
31	+		+	84		+		0.4		+	0.1	
	+	136.8	36.7	2577.1	42.3	4.1	409.4	29.4	16.3	16.8	6.0	0.9
MEAN	+	4.56	1.18	83.1	1.51	0.13	13.6	0.95	0.54	0.54	0.20	0.03
ACRE-FEET	+	271.	73.	5110.	82.	8.1	812.	58.	32.	33.	12.	1.6

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 8.95
ACRE-FEET 6500.

TRD74M Cab 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

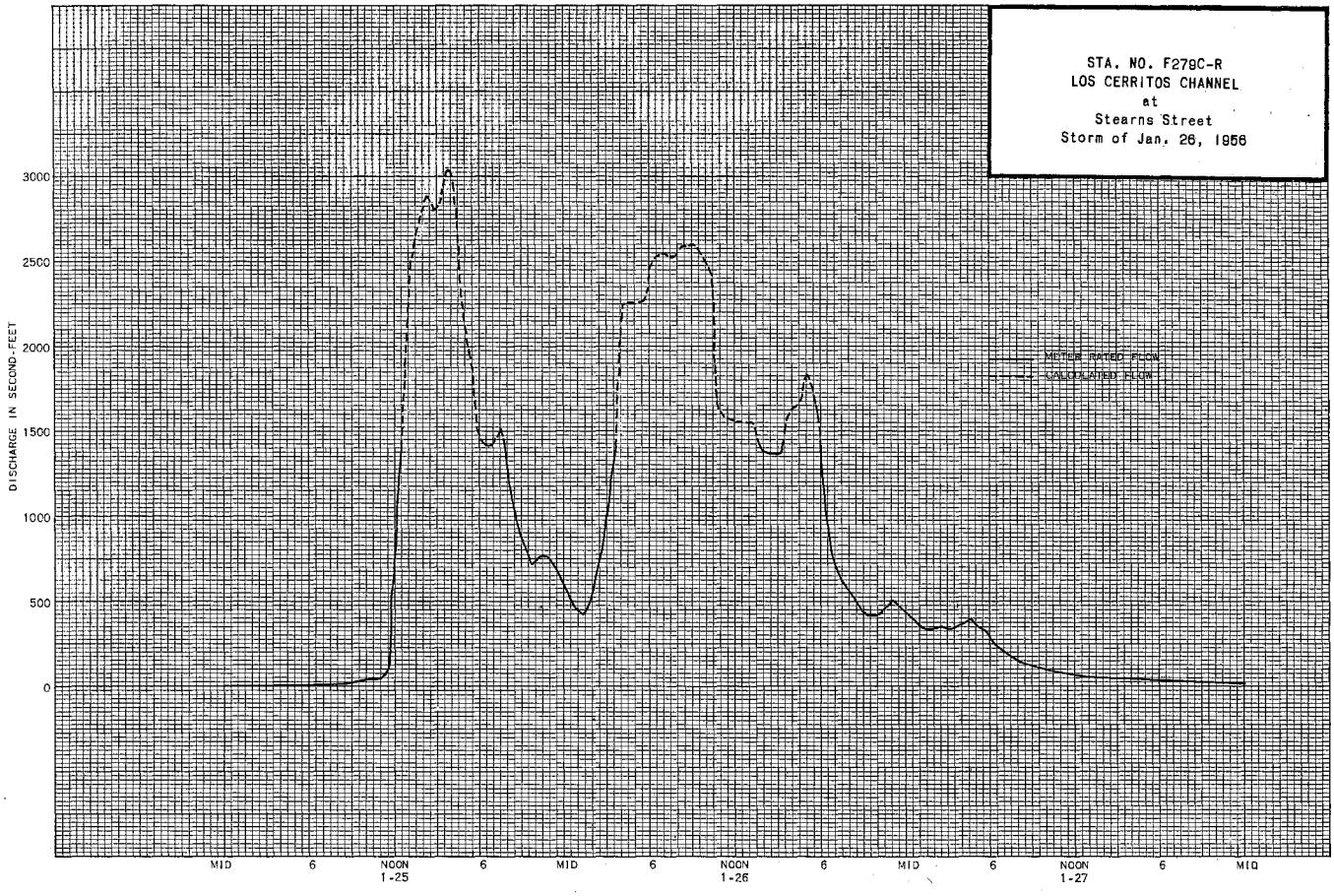
Sta. No. F279C-R

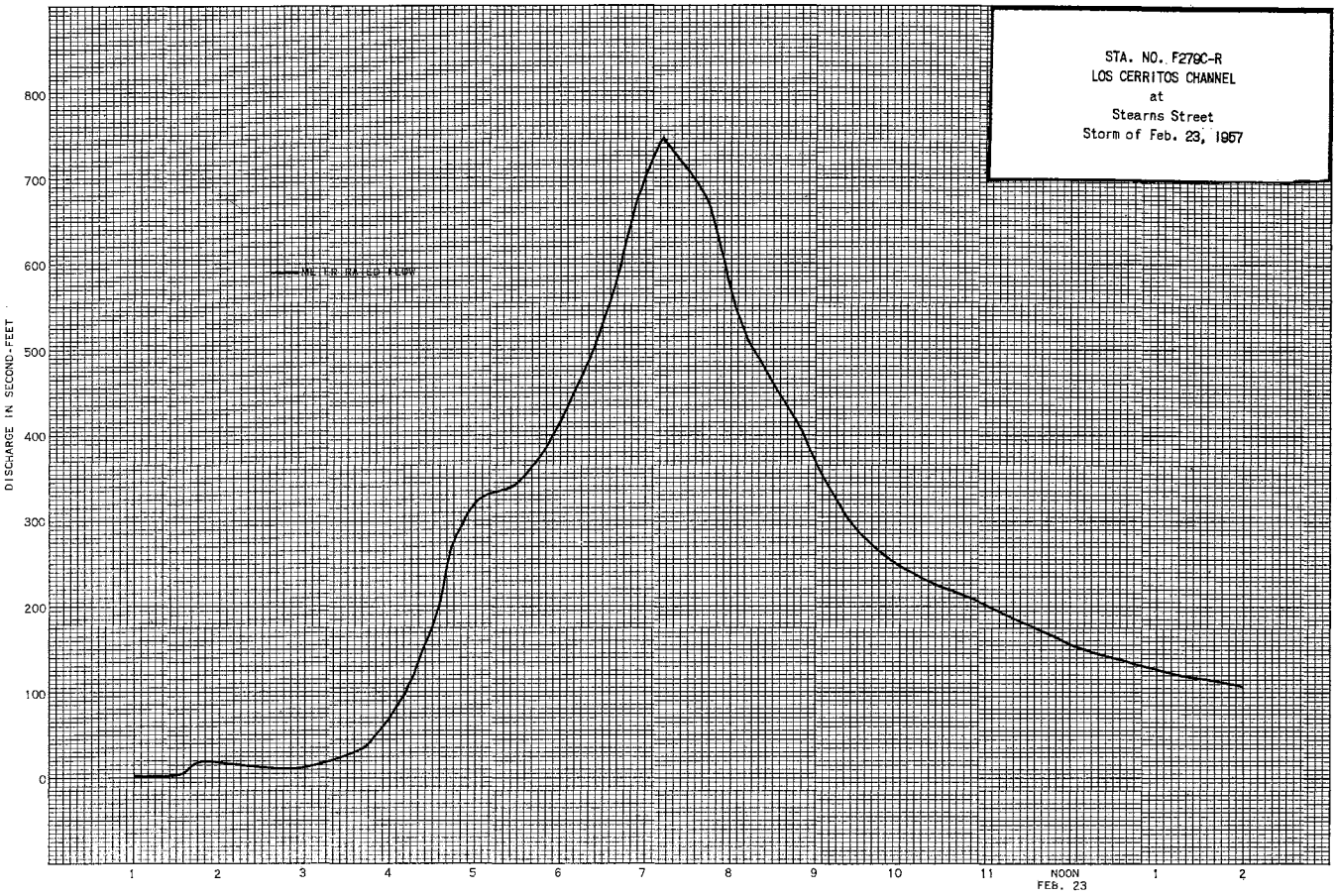
Daily discharge, in second-feet of LOS CERRITOS CHANNEL at Stearns Street, for the year ending September 30, 1957

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	+	0.2	0.8	1.4	32	+	1.1	1.7	0.5	0.4	0.6
2			0.3	0.6	0.6	1.1	+	1.4	1.4	0.6	0.4	0.4
3			0.4	0.9	0.5	+	+	1.4	1.4	0.8	0.4	0.6
4	+		0.4	0.9	0.3	+	0.4	1.1	1.9	0.6	0.4	0.4
5	0.2		0.4	47	0.8	0.5	+	1.1	0.8	0.6	0.3	0.3
6	+		0.5	5.1	0.3	0.5		0.9	0.9	0.5	0.6	0.8
7			0.5	5.5	0.6	0.4		0.9	0.6	0.9	0.3	0.9
8			0.4	5.1	0.8	0.2	+	0.6	0.5	0.8	0.3	0.6
9		+	0.2	0.9	0.4	6.2	0.2	1.1	0.8	0.6	0.3	0.9
10		0.2	+	93	0.3	1.1	1.1	1.4	1.4	1.1	0.2	0.9
11		0.2	0.6	3.8	0.6	0.2	0.9	2.2	1.4	0.6	0.9	0.8
12		+	0.6	21	0.1	0.1	1.1	9.9	1.1	1.1	0.5	0.4
13		+	0.6	2.0	+	+	0.9	1.7	2.5	0.8	0.3	1.7
14		+	1.4	4.2	0.4	+	1.1	2.2	2.5	0.6	1.1	1.1
15		0.3	1.1	1.1	0.3	0.1	0.8	2.5	1.4	1.1	0.6	0.8
16		0.4	0.9	0.8	0.5	41	0.5	2.2	1.1	1.7	0.4	0.5
17		0.2	0.5	0.5	0.1	2.2	2.4	2.9	1.4	1.1	0.8	2.5
18		0.3	0.1	0.5	1.1	0.1	2.2	2.9	1.9	1.9	0.5	0.9
19		0.3	+	0.8	2.5	4.3	8.0	11.1	1.1	1.9	0.9	0.5
20		0.1	0.3	31	0.8	0.4	66	5.9	1.7	1.9	0.8	1.7
21		0.3	0.4	10.5	0.5	+	4.8	2.5	1.1	2.2	0.5	1.1
22		0.2	0.5	1.1	0.3	+	3.8	6.4	0.6	2.5	0.4	0.6
23		0.2	0.6	3.4	16.2	0.1	1.9	1.9	1.4	3.4	0.5	0.6
24			0.5	11.5	5.9	0.3	1.9	1.9	0.8	3.4	0.8	1.4
25		0.2	0.3	5.9	0.3	+	2.5	1.9	0.5	2.9	0.8	0.9
26		0.2	0.5	10.9	0.5	0.9	2.5	1.7	0.9	1.9	0.5	0.9
27		0.4	0.6	19.3	0.5	0.9	3.4	1.9	0.8	1.7	0.2	1.1
28		0.3	1.1	6.8	33	+	2.5	2.9	0.5	1.7	0.2	0.8
29		0.3	0.9	2.9		0.6	2.9	1.7	0.6	0.8	0.1	0.6
30		0.4	1.7	3.4		+	1.7	1.7	0.8	0.6	0.1	1.4
31	+		1.4	0.6		+		1.9		0.6	0.6	
	0.2	4.4	17.9	741.8	215.4	93.2	176.5	103.4	35.5	41.4	15.1	26.7
MEAN	+	0.15	0.58	23.9	7.69	3.01	5.88	3.34	1.18	1.34	0.49	0.89
ACRE-FEET	0.4	8.7	36.	1470.	427.	185.	350.	205.	70.	82.	30.	53.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 4.03
ACRE-FEET 2920.





STATION F130-R
MALIBU CREEK at Crater Camp

LOCATION: WATER-STAGE RECORDER, LAT. 34°04'38", LONG. 118°42'05", 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: REINSTALLED NOVEMBER 16, 1954 OVER A 2.5 X 3.0 FEET CONCRETE STILLING WELL. A STEVENS A35B RECORDER WAS IN SERVICE FROM OCTOBER 1, 1955 TO SEPTEMBER 30, 1957.

REGULATIONS AND/OR DIVERSIONS: LAKE SHERWOOD DAM, LAKE ELEANOR DAM, MALIBU LAKE MOUNTAIN CLUB DAM, AND CRAGS DAM. OTHER LOW DAMS BUILT FOR RECREATIONAL PURPOSES AFFECT THE LOW SUMMER FLOWS.

RECORDS AVAILABLE: JANUARY 17, 1931 TO SEPTEMBER 30, 1957.

EXTREMES OF DISCHARGE:

1955-56
MAXIMUM 3600 SECOND-FEET JANUARY 26.
MINIMUM 0.1 SECOND-FOOT VARIOUS TIMES.

1956-57
MAXIMUM 46.3 SECOND-FEET, FEBRUARY 23.
MINIMUM PLUS FLOW IN SEPTEMBER.

1931-57
MAXIMUM 13560 SECOND-FEET MARCH 15, 1952.
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: FAIR.

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 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.	RAT-ING	METH-OD	MEAS. SEC. NO.	D. HT. CHANGE TOTAL	METER NO.
778	10/6	1436 / 1445	DE MARS - SCOTT	2.4	0.30	0.50	1.59	0.15		.5	6	0	FC48
779	10/13	1440 / 1447	DE MARS	2.5	0.35	0.40	1.62	0.14		.5	6	0	"
780	10/20	0943 / 0950	"	2.5	0.40	0.35	1.63	0.14		.5	6	0	"
781	10/27	0930 / 0940	"	2.5	0.36	0.33	1.61	0.12		.5	6	0	"
782	11/3	1000 / 1005	"	2.5	0.34	0.38	1.61	0.13		.5	6	0	"
783	11/10	0930 / 0936	"	2.5	0.34	0.35	1.62	0.12		.5	6	0	"
784	11/17	1340 / 1345	DE MARS - CAIRE	2.5	0.34	0.50	1.60	0.17		.5	6	0	"
785	11/23	1500 / 1506	DE MARS	2.5	0.36	0.39	1.61	0.14		.5	6	0	"
786	12/1	1005 / 1010	"	2.7	0.37	0.38	1.62	0.14		.5 .6	7	0	"
787	12/6	1309 / 1315	BLAKELY	2.8	0.45	0.36	1.63	0.16		.5	6	0	FC53
788	12/8	1515 / 1523	HYDE	3.0	0.46	0.35	1.62	0.16		.5	7	0	FC58
789	12/15	0947 / 0955	DE MARS	2.6	0.32	0.41	1.62	0.13		.5	6	0	FC48
790	12/22	0930 / 0938	"	2.6	0.33	0.30	1.63	0.10		.5	6	0	"
791	12/25	1027 / 1035	"	2.9	0.48	0.52	1.63	0.25		.5	7	0	FC34
792	12/29	0950 / 0958	"	2.6	0.34	0.50	1.62	0.17		.5	6	0	FC48
793	1/5	0900 / 0908	"	2.7	0.38	0.39	1.63	0.15		.5	6	0	"
794	1/12	0900 / 0908	"	2.8	0.44	0.34	1.64	0.15		.5	6	0	"
795	1/19	0945 / 0955	"	2.7	0.42	0.38	1.65	0.16		.5	6	0	"
796	1/25	1540 / 1550	"	9.5	1.72	0.44	1.75	0.75		.5	7	0	FC34
797	1/26	0835 / 0852	DE MARS - CAIRE	43.0	66.0	2.70	3.25	180.		.6	8	-.01	
798	1/29	1615 / 1650	DE MARS	32.5	52.8	0.64	2.37	33.6		.5 .6	13	+.02	"
799	1/31	0227 / 0240	DE MARS - CAIRE	19.0	9.01	2.26	2.30	20.4		.6	10	-.02	"
800	1/31	1735 / 1750	DE MARS	26.0	12.7	2.31	2.39	29.4		.5	12	0	"
801	2/2	1345 / 1401	DE MARS - FALCONE	17.0	7.08	1.88	2.14	13.3		.5	10	0	"
802	2/9	0954 / 1004	HOLLERON-DE MARS	13.5	4.22	1.18	1.92	5.0		.5	8	0	"
803	2/16	0938 / 0948	" "	12.5	3.50	1.37	1.86	4.8		.5	8	0	FC48
804	2/23	1249 / 1257	" "	15.4	5.82	1.65	2.07	9.6		.5	9	0	FC34
805	2/23	1830 / 1841	" "	17.5	7.50	1.87	2.17	14.0		.5	10	-.02	"
806	3/1	1605 / 1617	" "	12.3	3.27	1.22	1.85	4.0		.5	8	0	FC48
807	3/8	1334 / 1343	HOLLERON	12.0	3.12	1.09	1.82	3.4		.5	8	0	"
808	3/15	1445 / 1458	"	11.6	2.81	1.21	1.80	3.4		.5	8	0	"
809	3/22	1430 / 1445	HOLLERON-LINDSAY	7.0	3.01	0.83	1.77	2.5		.5 .6	14	0	"
810	3/29	1150 / 1204	HOLLERON	10.7	2.52	0.87	1.76	2.2		.6	12	0	"
811	4/5	1610 / 1628	"	10.5	2.35	0.81	1.75	1.9		.5	12	0	"
812	4/12	1456 / 1505	HOLLERON-CAIRE	14.3	5.06	1.28	1.97	6.5		.5	9	0	FC34
813	4/19	1640 / 1655	HOLLERON	10.8	2.63	0.99	1.78	2.6		.5	12	0	FC48
814	4/26	1508 / 1522	HOLLERON-CAIRE	12.3	3.67	1.28	1.86	4.7		.5	13	0	"
815	5/3	1335 / 1349	HOLLERON	10.6	2.44	0.86	1.75	2.1		.5	12	0	"
816	5/10	1544 / 1554	"	11.4	2.88	1.11	1.80	3.2		.5	8	0	"
817	5/17	1322 / 1336	"	10.8	2.43	0.86	1.75	2.1		.5	13	-.01	"
818	5/24	1246 / 1300	"	10.4	2.26	0.80	1.74	1.8		.5	12	0	"
819	5/31	1455 / 1509	"	10.2	2.07	0.63	1.72	1.3		.5	12	0	"
820	6/7	1526 / 1544	"	9.8	1.96	0.56	1.70	1.1		.5	12	0	"
821	6/13	1517 / 1530	"	9.5	1.67	0.46	1.68	0.77		.5	11	0	"
822	6/20	1430 / 1442	"	9.9	1.66	0.43	1.68	0.72		.5	11	0	"
823	6/27	1408 / 1422	"	9.0	1.42	0.39	1.66	0.55		.5	10	0	"
824	7/6	1505 / 1520	"	9.4	1.30	0.30	1.64	0.39		.5	10	0	"
825	7/11	1505 / 1519	"	8.5	1.13	0.26	1.63	0.30		.5	10	0	"
826	7/19	1410 / 1425	"	8.5	1.10	0.25	1.62	0.28		.5	10	0	"
827	7/26	1220 / 1235	"	8.9	1.08	0.19	1.62	0.20		.5	11	0	"
828	8/2	1600 / 1610	"	9.0	1.14	0.21	1.62	0.24		.5	11	0	"
829	8/8	1405 / 1420	"	8.3	1.04	0.12	1.61	0.12		.5	10	0	"
830	8/15	1400 / 1410	HOLLERON-SADDORIS	4.0	0.45	0.29	1.61	0.13		.5	9	0	"
831	8/30	1414 / 1425	SJOSTEDT	8.5	0.79	0.14	1.61	0.11		.5	10	0	"
832	9/13	1500 / 1510	"	7.5	0.77	0.13	1.60	0.10		.5	10	0	FC50
833	9/20	1430 / 1443	"	7.8	0.80	0.14	1.60	0.11		.5	10	0	"
834	9/27	1330 / 1342	SJOSTEDT-FALCONE	7.5	0.78	0.10	1.59	0.08		.5	10	0	"

DISCHARGE MEASUREMENTS OF MALIBU CREEK

AT NEAR Crater Camp DURING THE YEAR ENDING SEPTEMBER 30, 19 67

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. HT. CHANGE TOTAL	METER NO.
835	10/4	1530 / 1538	SJOSTEDT	8.5	0.87	0.17	1.59	0.15		.5	7	0	FC50
836	10/11	1430 / 1435	"	8.0	0.80	0.11	1.59	0.09		.5	9	0	"
837	10/18	1415 / 1425	"	8.0	0.79	0.13	1.60	0.10		.6	9	0	"
838	10/25	1145 / 1155	"	3.2	0.44	0.22	1.60	0.09		.5	8	0	"
839	11/1	1330 / 1340	"	3.5	0.39	0.13	1.59	0.05		.5	8	0	"
840	11/8	1223 / 1235	"	8.0	0.78	0.13	1.59	0.10		.5	9	0	"
841	11/5	1320 / 1330	"	8.3	0.86	0.10	1.59	0.09		.5	7	0	"
842	11/21	1433 / 1445	"	9.0	0.89	0.15	1.60	0.13		.5	10	0	"
843	11/29	1402 / 1412	"	8.0	0.82	0.12	1.59	0.10		.5	9	0	"
844	12/6	1220 / 1230	"	8.5	0.91	0.10	1.60	0.08		.5	10	0	"
845	12/13	1218 / 1230	"	9.0	0.91	0.10	1.60	0.09		.5	10	0	"
846	12/20	1358 / 1410	"	9.0	0.93	0.08	1.61	0.08		.5	10	0	"
847	1/3	1252 / 1300	"	3.0	0.45	0.33	1.61	0.15		.5	7	0	"
848	1/10	1225 / 1235	"	8.0	0.89	0.12	1.60	0.11		.5	9	0	"
849	1/17	1239 / 1245	"	8.3	0.98	0.14	1.60	0.14		.5	7	0	"
850	1/24	1350 / 1400	"	8.0	0.91	0.19	1.62	0.17		.5	9	0	"
851	1/31	1145 / 1200	WOOD-SJOSTEDT	9.4	1.62	0.54	1.68	0.88		.5	11	0	"
852	2/7	1307 / 1315	SJOSTEDT	9.0	1.35	0.33	1.65	0.45		.5	8	0	"
853	2/14	1235 / 1245	"	8.5	1.26	0.35	1.65	0.44		.5	10	0	"
854	2/21	1245 / 1255	"	8.5	1.10	0.32	1.63	0.35		.5	10	0	"
855	2/23	0720 / 0727	"	26.7	14.8	2.74	2.58	40.6		.5 .6	8	-.08	FC47
856	2/28	1620 / 1627	"	13.0	4.10	0.98	1.88	4.0		.5	8	0	"
857	3/7	1240 / 1255	"	10.7	2.95	1.08	1.80	3.2		.5 .6	12	0	FC50
858	3/14	1455 / 1505	ROY-SJOSTEDT	11.0	2.70	0.52	1.78	1.4		.5	8	0	"
859	3/21	1350 / 1400	MC BRIDE - SJOSTEDT	10.8	2.44	0.78	1.75	1.9		.5	9	0	FC50
860	3/28	1457 / 1505	SJOSTEDT	10.0	2.23	0.67	1.73	1.5		.5	8	0	"
861	4/4	1250 / 1257	"	10.3	2.08	0.67	1.72	1.4		.5	7	0	"
862	4/11	1415 / 1425	"	10.3	2.07	0.63	1.72	1.3		.5	8	0	"
863	4/18	1315 / 1325	"	12.1	3.21	1.18	1.82	3.8		.5	8	0	"
864	4/25	1350 / 1358	"	9.9	1.95	0.62	1.71	1.2		.5	7	0	"
865	5/2	1225 / 1232	"	9.9	1.89	0.48	1.70	0.91		.5	7	0	"
866	5/16	1400 / 1410	BROOK-SJOSTEDT	9.5	1.59	0.37	1.66	0.59		.5	8	0	"
867	5/23	1445 / 1453	SJOSTEDT	9.5	1.48	0.40	1.66	0.59		.5	7	0	"
868	5/29	1430 / 1438	"	9.5	1.39	0.37	1.65	0.51		.5	7	0	"
869	6/6	1305 / 1315	"	8.6	1.19	0.34	1.63	0.40		.5	7	0	"
870	6/13	1235 / 1245	WOOD-SJOSTEDT	8.5	1.01	0.30	1.62	0.30		.5	7	0	"
871	6/20	1145 / 1152	SJOSTEDT-STUNDEN	8.5	0.99	0.22	1.61	0.22		.5	7	0	"
872	6/27	1245 / 1250	WOOD-SJOSTEDT	8.4	0.89	0.18	1.61	0.16		.5	8	0	"
873	7/5	1308 / 1320	WOOD	8.5	0.87	0.22	1.61	0.19		.5	8	0	"
874	7/11	1140 / 1155	SJOSTEDT	8.7	0.96	0.15	1.60	0.14		.5	10	0	"
875	7/18	1115 / 1125	"	8.5	0.87	0.12	1.60	0.10		.5	7	0	"
876	7/25	1300 / 1310	"	8.5	0.84	0.10	1.59	0.08		.5	7	0	"
877	8/1	1455 / 1505	"	3.0	0.42	0.21	1.59	0.09		.5	7	0	"
878	8/15	1445 / 1450	"	3.3	0.41	0.12	1.59	0.05		.5	8	0	"
879	8/22	1220 / 1230	"	8.3	0.84	0.10	1.59	0.08		.5	10	0	"
880	8/29	1105 / 1115	"	3.3	0.38	0.21	1.60	0.08		.5	8	0	"
881	9/5	1200 / 1210	"	3.4	0.38	0.16	1.60	0.06		.5	9	0	"
882	9/12	1130 / 1138	ROY-SJOSTEDT	3.5	0.36	0.14	1.60	0.05		.5	8	0	"
883	9/19	1155 / 1205	SARASUA-SJOSTEDT	30.0	0.25	0.12	1.59	0.03		.5	7	0	"

FADT4M Gb 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, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.1	0.2	0.2	0.2	23	39	24	21	14	0.5	0.3	0.2
2	0.1	0.2	0.2	0.2	13	39	23	21	14	0.4	0.3	0.2
3	0.1	0.2	0.2	0.2	10	39	24	26	14	0.4	0.3	0.2
4	0.1	0.3	0.2	0.2	8.8	39	23	21	12	0.4	0.3	0.2
5	0.1	0.3	0.2	0.2	8.0	39	21	21	10	0.4	0.3	0.2
6	0.2	0.3	0.2	0.2	7.0	37	21	21	10	0.4	0.2	0.2
7	0.2	0.2	0.2	0.2	6.1	37	21	21	10	0.4	0.2	0.2
8	0.2	0.1	0.2	0.2	5.5	35	21	23	10	0.4	0.2	0.1
9	0.2	0.1	0.2	0.2	4.6	37	21	44	10	0.4	0.2	0.1
10	0.2	0.1	0.2	0.2	4.2	37	21	35	10	0.3	0.2	0.1
11	0.2	0.2	0.2	0.2	4.2	37	26	35	0.8	0.3	0.2	0.1
12	0.2	0.2	0.2	0.2	4.2	37	64	35	0.8	0.3	0.2	0.1
13	0.2	0.2	0.2	0.2	4.2	37	67	26	0.8	0.3	0.2	0.1
14	0.2	0.5	0.2	0.2	4.2	37	46	23	10	0.3	0.2	0.1
15	0.2	0.3	0.2	0.2	4.2	37	37	23	10	0.3	0.2	0.1
16	0.2	0.2	0.2	0.2	3.9	37	33	21	10	0.3	0.2	0.1
17	0.2	0.2	0.2	0.2	3.9	37	30	23	10	0.3	0.2	0.1
18	0.2	0.2	0.2	0.2	3.5	33	28	20	10	0.3	0.2	0.1
19	0.2	0.2	0.2	0.2	3.5	33	26	20	10	0.3	0.2	0.1
20	0.2	0.2	0.2	0.2	3.5	3.5	26	18	0.8	0.3	0.2	0.1
21	0.2	0.3	0.1	0.2	3.3	30	26	18	0.8	0.3	0.2	0.1
22	0.2	0.2	0.1	0.2	3.5	30	23	18	0.6	0.3	0.2	0.1
23	0.2	0.1	0.3	0.2	8.3	30	24	18	0.6	0.3	0.2	0.1
24	0.2	0.1	0.3	0.2	7.0	33	26	18	0.6	0.2	0.2	0.1
25	0.2	0.1	0.3	0.6	5.2	30	26	18	0.6	0.2	0.2	0.1
26	0.2	0.1	0.2	1260	4.6	26	49	17	0.6	0.2	0.2	0.1
27	0.2	0.1	0.2	424	4.4	24	28	17	0.6	0.2	0.2	0.1
28	0.1	0.1	0.2	90	4.2	21	24	15	0.5	0.2	0.2	0.1
29	0.1	0.2	0.2	42	4.2	21	23	14	0.5	0.2	0.2	0.1
30	0.1	0.2	0.2	17		23	23	14	0.5	0.2	0.2	0.1
31	0.2		0.2	24		24		14		0.3	0.2	
	5.4	5.9	6.3	1862.4	174.2	1030	875	679	265	9.6	6.7	3.7
MEAN	0.17	0.20	0.20	60.1	6.01	3.32	2.92	2.19	0.88	0.31	0.22	0.12
ACRE-FEET	11.	12.	12.	3690.	346.	204.	174.	135.	53.	19.	13.	7.3

Remarks:

YEAR OR PERIOD MEAN 6.45
ACRE-FEET 4680.

FADT4M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

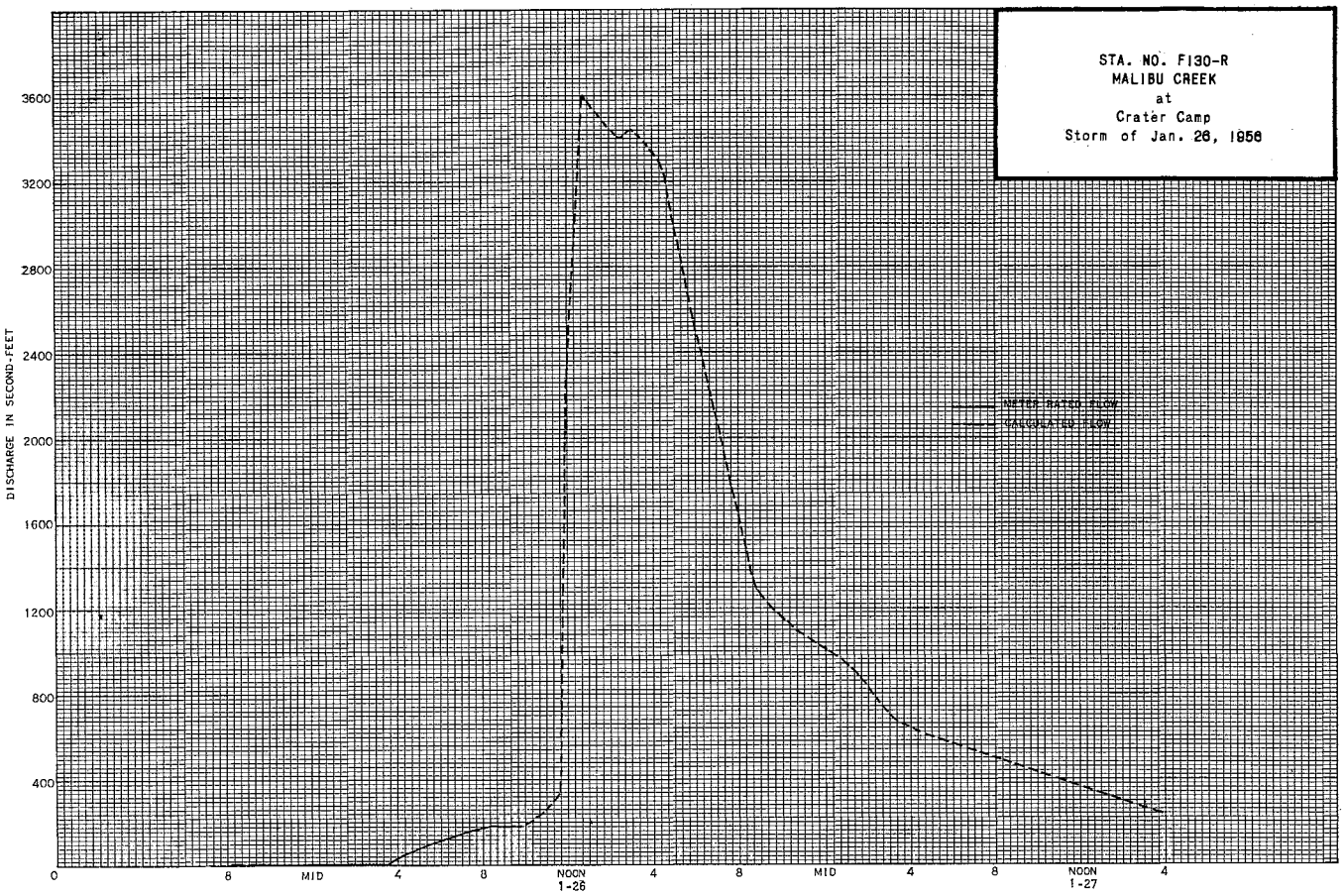
Sta. No. F130-R

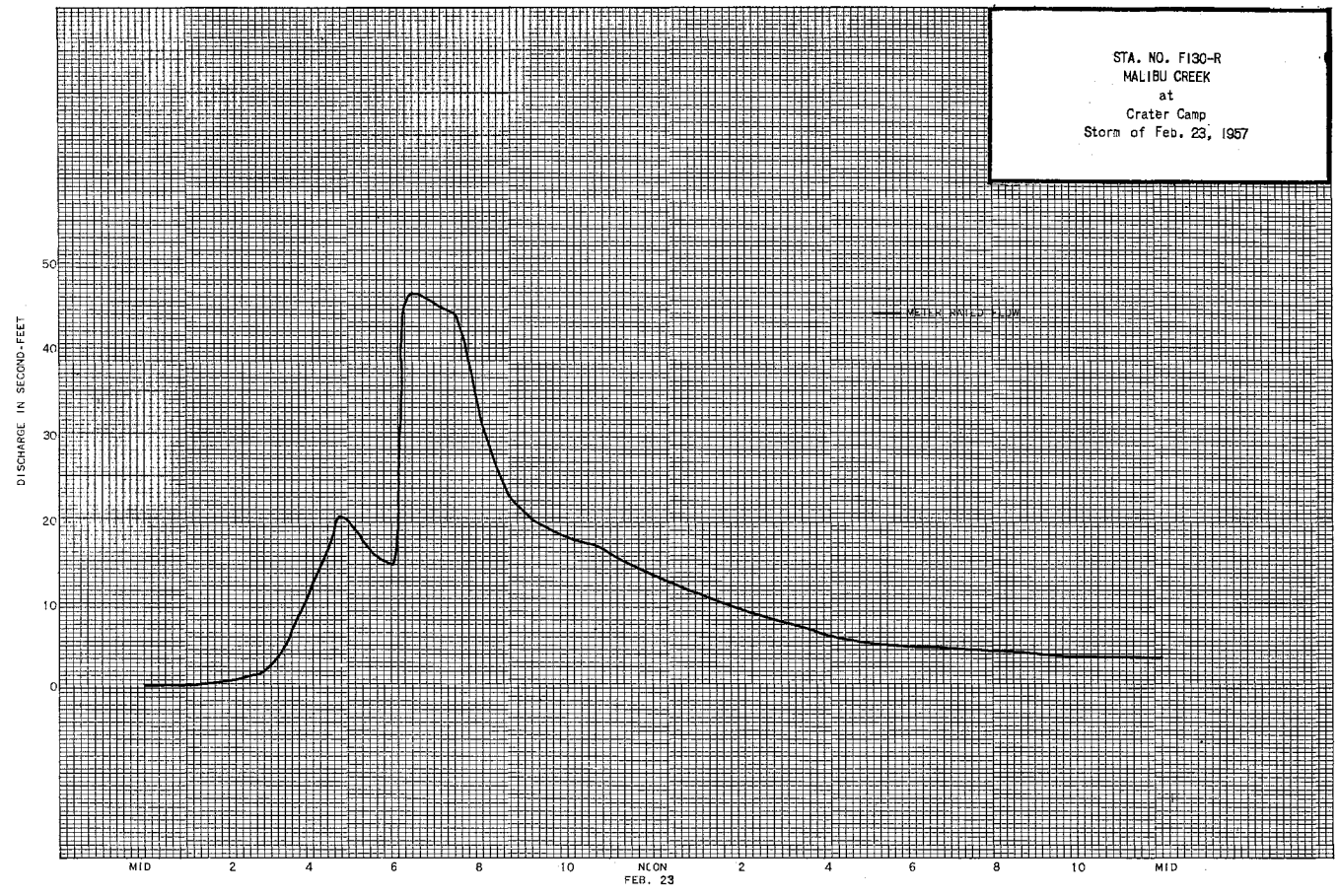
Daily discharge, in second-feet of MALIBU CREEK at Crater Camp, for the year ending September 30, 1957

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.1	0.1	0.1	0.1	0.8	9.7	1.5	0.9	0.5	0.2	0.1	0.1
2	0.1	0.1	0.1	0.1	0.8	5.5	1.4	0.9	0.5	0.2	0.1	0.1
3	0.1	0.1	0.1	0.1	0.7	4.6	1.4	0.8	0.5	0.2	0.1	0.1
4	0.1	0.1	0.1	0.1	0.6	4.2	1.4	0.9	0.4	0.2	0.1	0.1
5	0.1	0.1	0.1	0.2	0.5	3.7	1.4	0.9	0.4	0.2	0.1	0.1
6	0.1	0.1	0.1	0.1	0.5	3.5	1.4	0.8	0.4	0.2	0.1	0.1
7	0.1	0.1	0.1	0.1	0.5	3.3	1.4	0.8	0.4	0.2	0.1	0.1
8	0.1	0.1	0.1	0.1	0.5	3.5	1.4	0.8	0.4	0.2	0.1	0.1
9	0.1	0.1	0.1	0.1	0.5	3.5	1.4	0.8	0.4	0.1	0.1	0.1
10	0.1	0.1	0.1	0.1	0.5	3.3	1.4	0.8	0.3	0.1	0.1	0.1
11	0.1	0.1	0.1	0.1	0.5	2.8	1.4	0.8	0.3	0.1	0.1	0.1
12	0.1	0.1	0.1	0.3	0.5	2.8	1.4	0.7	0.3	0.1	0.1	0.1
13	0.1	0.1	0.1	1.5	0.5	2.8	1.7	0.7	0.3	0.1	0.1	0.1
14	0.1	0.1	0.1	0.2	0.5	2.6	2.3	0.6	0.3	0.1	0.1	0.1
15	0.1	0.1	0.1	0.2	0.5	2.3	2.0	0.6	0.3	0.1	0.1	0.1
16	0.1	0.1	0.1	0.1	0.5	3.3	1.7	0.6	0.3	0.1	0.1	+
17	0.1	0.1	0.1	0.1	0.4	2.8	2.4	0.6	0.3	0.1	0.1	
18	0.1	0.1	0.1	0.1	0.4	2.6	2.3	0.7	0.2	0.1	0.1	
19	0.1	0.1	0.1	0.1	0.4	2.6	1.7	1.0	0.2	0.1	0.1	
20	0.1	0.1	0.1	0.1	0.4	2.3	2.4	0.6	0.2	0.1	0.1	
21	0.1	0.1	0.1	0.1	0.4	2.0	1.8	0.6	0.2	0.1	0.1	
22	0.1	0.1	0.1	0.1	0.4	1.7	1.7	0.6	0.2	0.1	0.1	
23	0.1	0.1	0.1	0.2	12	1.7	1.4	0.6	0.2	0.1	0.1	
24	0.1	0.1	0.1	0.2	2.1	1.7	1.4	0.6	0.1	0.1	0.1	
25	0.1	0.1	0.1	0.2	1.4	1.5	1.2	0.6	0.1	0.1	0.1	
26	0.1	0.1	0.1	0.6	1.0	1.5	1.0	0.6	0.1	0.1	0.1	
27	0.1	0.1	0.1	0.3	0.9	1.5	1.0	0.5	0.1	0.1	0.1	
28	0.1	0.1	0.1	0.3	4.0	1.5	1.0	0.5	0.1	0.1	0.1	
29	0.1	0.1	0.1	1.0		1.5	1.0	0.5	0.2	0.1	0.1	
30	0.1	0.1	0.1	0.9		1.5	1.0	0.5	0.2	0.1	0.1	+
31	0.1		0.1	0.9		1.5		0.5		0.1	0.1	
	3.1	3.0	3.1	8.7	32.5	89.3	45.9	21.4	8.4	3.9	3.1	1.5
MEAN	0.10	0.10	0.10	0.28	1.16	2.88	1.53	0.69	0.28	0.13	0.10	0.05
ACRE-FEET	6.1	6.0	6.1	17.	64.	177.	91.	42.	17.	7.7	6.1	3.0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.61
ACRE-FEET 444.


STA. NO. F130-R
MALIBU CREEK
at
Crater Camp
Storm of Jan. 26, 1956
METER RATED FLOW
CALCULATED FLOW
DISCHARGE IN SECOND-FEET
3600
3200
2800
2400
2000
1600
1200
800
400
0
8
MID
4
8
NOON
1-26
4
8
MID
4
8
NOON
1-27
4


STA. NO. F130-R
MALIBU CREEK
at
Crater Camp
Storm of Feb. 23, 1957
METER RATED FLOW
DISCHARGE IN SECOND-FEET
50
40
30
20
10
0
MID
2
4
6
8
10
NOON
FEB. 23
2
4
6
8
10
MID

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.

DRAINAGE AREA: 26.92

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: INSTALLED OCTOBER 26, 1956, OVER A 21-INCH DIAMETER CORRUGATED IRON PIPE STILLING WELL. AN H.C.F. CONTINUOUS RECORDER IN SERVICE FROM OCTOBER 26, 1956 TO SEPTEMBER 30, 1957.

REGULATION: NONE.

DIVERSION: NONE.

RECORDS AVAILABLE: OCTOBER 26, 1956 TO SEPTEMBER 30, 1957.

EXTREMES OF DISCHARGE:
1956-57
MAXIMUM 13.8 SECOND-FEET FEBRUARY 28.
MINIMUM NO FLOW MOST OF 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 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.
1	1/12	2045 / 2050	WHISLER-FEIKER	5.0	1.35	2.29	5.90	3.1		.5	6	0	FC5
2	1/13	0132 / 0136	" "	6.0	2.25	1.51	5.68	3.4		.6	7	0	"
3	1/20	1402 / 1409	WHISLER-BOWMAN	6.0	1.46	1.64	5.60	2.4		.6	7	-.04	"
4	2/28	2347 / 2354	WHISLER-MC BRIDE	6.5	2.17	1.94	5.57	4.2		.5	7	-.04	"
5	5/23	1005	WHISLER	VOLUMETRIC				0.05		VOL.			

76DT4M 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, 19 57

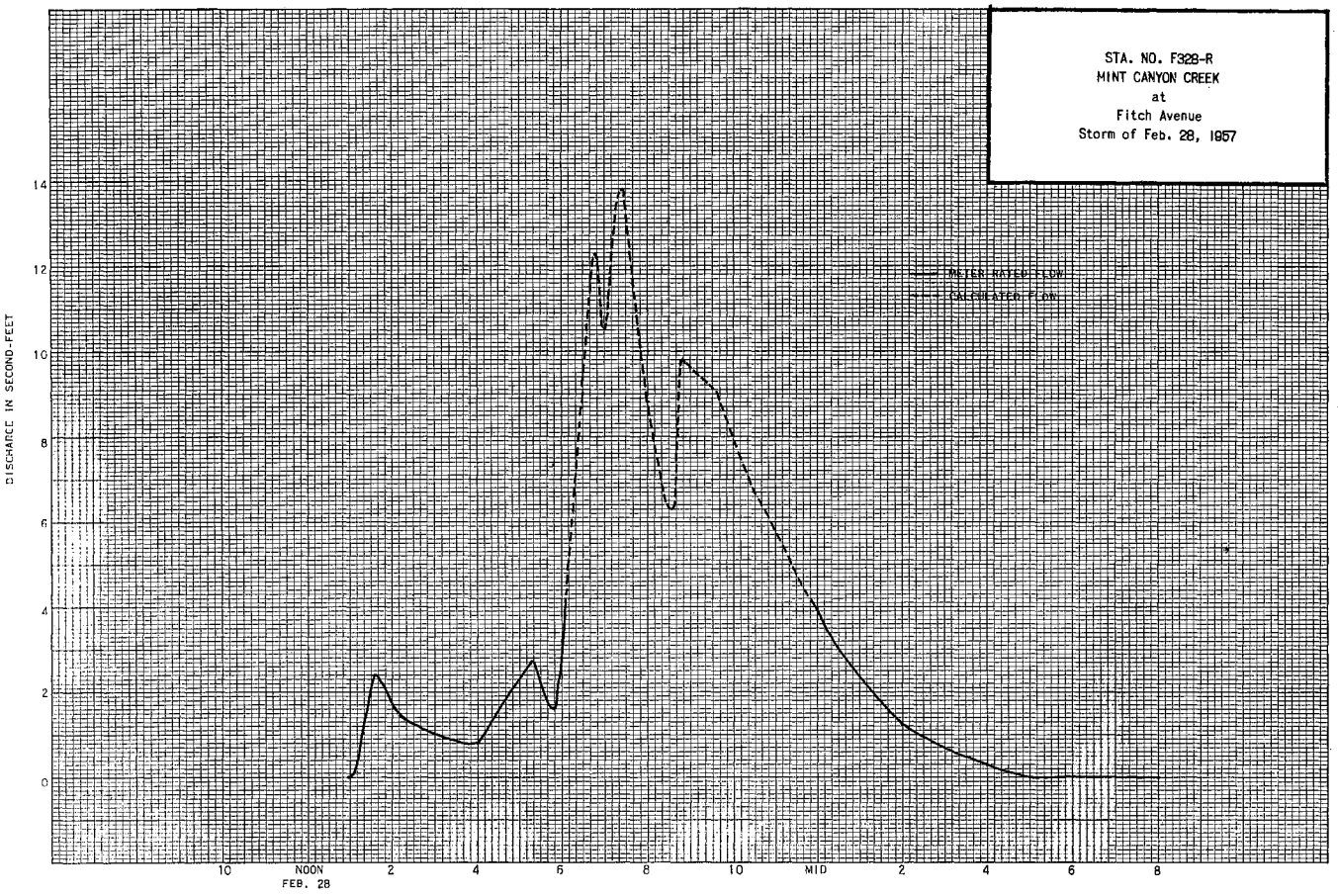
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		0	0	0	0	0.3	0	0	0			
2		0	0	0	0	0	0	0	0			
3		0	0	0	0	0	0	0	0			
4		0	0	0	0	0	0	0	0			RECORDER STOPPED
5		0	0	0	0	0	0	0	0			
6		0	0	0	0	0	0	0	0			
7		0	0	0	0	0	0	0				
8		0	0	0	0	0	0	0				
9		0	0	0	0	0.4	0	0				
10		0	0	0	0	0	0	0				
11		0	0	0	0	0	0	+				
12		0	0	0.6	0	0	0	0				0
13		0	0	0.9	0	0	0	0				0
14		0	0	0	0	0	0	+				0
15		0	0	0	0	0	0	0				0
16		0	0	0	0	0	0	0				0
17		0	0	0	0	0	+	0				0
18		0	0	0	0	0	0	+				0
19		0	0	0	0	0	0	+				0
20		0	0	0.6	0	0	+	0				0
21		0	0		0	0	0	+				0
22		0	0	0	0	0	0	+				0
23		0	0	0	0.3	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				0
27	0	0	0	0	0	0	0	0				0
28	0	0	0	0	2.3	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	0	2.1	2.6	0.7	+	+	0	0	0	0
MEAN	0	0	0	0.07	.093	+	+	+	0	0	0	0
ACRE-FEET	0	0	0	4.2	5.2	1.4	+	+	0	0	0	0

RECORDER INSTALLED 10/26/56

RECORDER STOPPED FOR SUMMER

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.01
ACRE-FEET 10.8



STATION F330-R
Mission Creek below Legg Lake

LOCATION: WATER STAGE RECORDER, LAT. 34°02'09" LONG. 118°09'17", 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

CHANNEL AND CONTROL: CHANNEL, CONCRETE BOX CULVERT. CONTROL IS A 6 FOOT RECTANGULAR WEIR WITHOUT END CONTRACTIONS.

DISCHARGE MEASUREMENTS: MEASURED BY WADING BELOW ROSEMEAD BOULEVARD.

RECORDER: INSTALLED AUGUST 8, 1956 OVER A 3 FT. X 3 FT. CONCRETE STILLING WELL. A STEVENS TYPE L RECORDER IN SERVICE FROM AUGUST 8, 1956 TO SEPTEMBER 30, 1957.

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, 1957. 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.	G. HT. CHANGE TOTAL	METER NO.
1	8/8	1025 / 1047	WADDICOR	3.0	0.57	0.95	0.10	0.56		.5	7	0	FC52
2	8/8	1135 / 1145	"	2.8	0.49	0.98	0.08	0.48		.5	7	0	"
3	8/8	1205 / 1215	"	2.7	0.43	1.00	0.07	0.43		.5	7	0	"
4	8/16	1452 / 1500	WADDICOR-ROY	2.7	0.44	0.68	0.06	0.30		.5	6	0	"
5	8/17	0820 / 0825	WADDICOR	3.0	0.49	0.71	0.06	0.35		.5	6	0	"
6	8/23	1440 / 1447	WADDICOR-FALCONE	3.0	0.49	0.78	0.07	0.38		.5	6	0	"
7	8/30	1003 / 1010	WADDICOR	3.5	0.61	0.82	0.11	0.50		.5	7	0	"
8	9/6	1602 / 1609	WADDICOR-ROY	4.0	0.85	0.86	0.12	0.73		.5	9	0	"
9	9/13	1625 / 1630	" "	3.5	0.57	0.75	0.08	0.38		.5	8	0	"
10	9/20	1047 / 1055	" "	3.6	0.75	0.56	0.08	0.42		.5 / .6	8	0	"
11	9/27	0927 / 0940	ROY-WADDICOR	4.5	0.88	0.42	0.08	0.37		.5	8	0	"

DISCHARGE MEASUREMENTS OF MISSION CREEK

~~AT~~ NEAR below Legg Lake 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.	G. HT. CHANGE TOTAL	METER NO.
12	10/5	0855 / 0903	WADDICOR	4.0	0.89	0.47	0.08	0.42		.5	6	0	FC52
13	10/11	0920 / 0930	"	4.4	0.76	0.71	0.18	0.54		.5	8	0	"
14	10/18	0910 / 0915	"	4.0	0.64	0.61	0.16	0.39		.5	8	0	"
15	10/26	0948 / 0948	"	3.2	0.53	0.64	0.08	0.34		.5	7	0	"
16	11/1	1042 / 1055	ROY-WADDICOR	3.2	0.56	0.63	0.08	0.35		.5	7	0	"
17	11/8	0912 / 0919	" "	3.0	0.53	0.58	0.07	0.31		.5	5	0	"
18	11/15	0928 / 0939	ROY-WADDICOR	3.7	0.51	0.43	0.07	0.22		.5	9	0	"
19	11/23	1042 / 1048	WADDICOR	3.0	0.44	1.00	0.08	0.48		.5	7	0	"
20	11/29	1040 / 1050	ROY-WADDICOR	4.7	1.42	0.69	0.17	0.98		.6	7	0	"
21	12/6	1028 / 1035	WADDICOR	3.5	0.58	0.90	0.07	0.52		.5	8	0	"
22	12/12	1025 / 1032	"	4.5	0.75	0.49	0.07	0.37		.5	6	0	"
23	12/19	1108 / 1114	ROY-WADDICOR	5.2	1.33	0.73	0.16	0.97		.5	7	0	"
24	12/26	0840 / 0848	WADDICOR	4.2	0.76	0.96	0.16	0.73		.5	6	0	"
25	1/2	1407 / 1417	ROY-WADDICOR	5.8	2.32	0.51	0.17	1.2		.5	8	0	"
26	1/11	0955 / 1008	" "	2.5	0.30	0.53	0.04	0.16		.6	6	0	"
27	1/17	1010 / 1015	WOOD-WADDICOR	2.1	0.17	0.47	0.06	0.08		.5	5	0	"
28	1/23	1205 / 1217	ROY-WADDICOR	4.7	1.33	0.90	0.21	1.2		.6	7	0	"
29	1/24	1055 / 1103	WADDICOR-MC BRIDE	4.0	0.52	0.71	0.11	0.37		.5	8	0	"
30	1/31	0912 / 0915	WADDICOR	2.5	0.32	0.75	0.04	0.24		.5	6	0	"
31	2/7	1140 / 1153	WADDICOR-BROOK	5.5	1.19	0.84	0.16	1.0		.6	12	0	"
32	2/14	1000 / 1015	WADDICOR	5.9	1.52	0.79	0.16	1.2		.6	9	0	"
33	2/21	0955 / 1008	"	5.9	1.47	0.82	0.16	1.2		.6	10	0	"
34	2/28	0942 / 1000	"	5.8	1.55	0.84	0.18	1.3		.6	10	0	"
35	3/7	0940 / 0950	WADDICOR-ROY	4.8	1.36	1.03	0.20	1.4		.6	10	0	"
36	3/7	1045 / 1055	" "	5.2	1.84	1.09	0.27	2.0		.5 / .6	11	0	"
37	3/7	1113 / 1123	" "	4.9	1.65	1.09	0.25	1.8		.5 / .6	11	0	"
38	3/14	0958 / 1015	WADDICOR	5.7	1.78	1.03	0.23	1.8		.6	12	0	"
39	3/14	1105 / 1115	"	5.4	1.66	1.00	0.21	1.7		.6	11	0	"
40	3/21	0950 / 1010	"	6.0	1.73	0.93	0.22	1.6		.6	13	0	"
41	3/28	0949 / 1004	"	6.2	1.82	0.88	0.20	1.6		.6	8	0	"
42	4/4	1020 / 1029	"	6.0	1.84	0.82	0.17	1.5		.6	7	0	"
43	4/11	0945 / 0955	WADDICOR-ROY	6.3	1.92	0.78	0.16	1.5		.6	8	0	FC52
44	4/18	1345 / 1350	" "	5.8	1.76	0.78	0.19	1.4		.6	7	0	"
45	4/25	0947 / 0951	WADDICOR	6.0	1.84	0.76	0.19	1.4		.6	8	0	"
46	5/2	0940 / 0952	"	6.4	1.99	1.51	0.19	1.3		.6	8	0	"
47	5/9	0945 / 0952	"	6.8	2.21	0.54	0.18	1.2		.6	8	0	"
48	5/16	0925 / 0932	"	6.2	2.48	0.52	0.18	1.3		.6	8	0	"
49	5/23	0953 / 1006	BROOK-WADDICOR	5.0	1.86	0.91	0.21	1.7		.6	11	0	"
50	5/29	0948 / 1000	WADDICOR	5.3	1.91	0.84	0.19	1.6		.6	7	0	"
51	6/6	0920 / 0927	"	6.0	1.82	0.93	0.19	1.7		.6	7	0	"
52	6/13	1307 / 1317	"	5.5	1.81	0.77	0.17	1.4		.6	7	0	"
53	6/20	0941 / 0952	ROY-GARDNER	6.6	2.09	0.67	0.20	1.4		.6	8	0	"
54	6/27	0928 / 0940	ROY-WADDICOR	6.8	2.39	0.59	0.21	1.4		.5 / .6	8	0	"
55	7/3	0950 / 1000	ROY	6.7	2.55	0.51	0.20	1.3		.6	8	0	"
56	7/11	0945 / 0955	"	6.2	2.45	0.49	0.19	1.2		.6	8	0	"
57	7/18	0926 / 0936	WADDICOR	6.1	1.85	0.66	0.19	1.2		.5	8	0	"
58	7/18	1035 / 1045	"	5.9	1.44	0.68	0.15	0.98		.5	8	0	"
59	7/25	0935 / 0942	"	6.0	1.57	0.57	0.12	0.89		.5	8	0	"
60	7/29	0936 / 0951	WADDICOR-WOOD	6.0	1.31	0.63	0.12	0.83		.5	13	0	"
61	8/1	0912 / 0927	WADDICOR	5.8	1.26	0.64	0.12	0.80		.5	11	0	"
62	8/8	0903 / 0915	WADDICOR-BLAKELY	6.0	1.28	0.64	0.12	0.82		.5	8	0	"
63	8/15	0935 / 0950	WADDICOR	5.2	0.81	0.96	0.10	0.78		.5	11	0	"
64	8/22	1028 / 1038	"	5.3	1.11	0.65	0.10	0.72		.5	12	0	"
65	8/29	0924 / 0932	"	3.4	0.34	0.65	0.05	0.22		.5	6	0	"
66	8/29	1038 / 1053	"	5.5	0.85	1.00	0.14	0.85		.5	12	0	"
67	9/3	0815 / 0930	"	5.9	1.27	0.62	0.13	0.79		.5	12	0	"
68	9/3	1235 / 1258	"	5.5	0.76	0.70	0.10	0.53		.5	12	0	"
69	9/5	0920 / 0935	"	5.3	0.67	0.75	0.09	0.50		.5	11	0	"
70	9/6	1438 / 1450	"	3.5	0.49	0.86	0.10	0.42		.5	8	0	"
71	9/6	1532 / 1547	"	3.5	0.54	1.02	0.13	0.55		.5	8	0	"
72	9/10	0817 / 0830	"	4.0	0.62	0.90	0.13	0.56		.5	9	0	"
73	9/10	1112 / 1125	"	4.4	0.86	1.02	0.16	0.88		.5	9	0	"
74	9/10	1207 / 1217	"	4.0	0.68	0.98	0.14	0.67		.5	9	0	"
75	9/12	0840 / 0952	"	4.3	0.55	0.76	0.10	0.42		.5	9	0	"
76	9/12	1107 / 1119	"	4.6	0.73	0.96	0.13	0.70		.5	9	0	"
77	9/16	0857 / 0910	"	3.0	0.40	1.00	0.10	0.40		.5	7	0	"
78	9/16	1122 / 1132	"	5.7	0.96	0.71	0.13	0.68		.5	12	0	"
79	9/17	0910 / 0925	"	3.6	0.66	1.23	0.13	0.81		.5	9	0	"
80	9/17	1342 / 1352	"	4.1	0.64	0.86	0.11	0.55		.5	9	0	"
81	9/19	0942 / 0952	"	4.0	0.60	0.85	0.10	0.51		.5	9	0	"
82	9/24	1038 / 1047	ROY-BROOK	2.9	0.32	0.62	0.06	0.20		.5	8	0	"
83	9/24	1138 / 1146	" "	3.2	0.57	1.04	0.10	0.59		.5	8	0	"
84	9/24	1200 / 1210	" "	3.3	0.57	1.10	0.11	0.63		.5	8	0	"
85	9/26	1000 / 1008	ROY	3.4	0.52	1.04	0.08	0.54		.5 / .6	9	0	FC48

76D74M Gab 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, 19 57

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.4	0.4	0.8	1.1	e 1.0	1.3	1.5	1.3	1.6	1.3	0.8	0.8
2	0.4	0.4	0.7	1.2	1.0	1.3	1.5	1.3	1.7	1.3	0.8	0.8
3	0.4	0.4	0.6	e 1.2	1.0	1.4	1.5	1.3	1.7	1.3	0.8	0.6
4	0.4	0.4	0.5	1.2	1.0	1.4	1.5	1.3	1.7	1.3	0.8	0.5
5	0.4	0.4	0.5	1.2	1.0	1.5	1.5	1.3	1.7	1.3	0.8	0.6
6	0.4	0.3	0.5	1.2	e 1.0	1.5	1.5	1.2	1.7	1.3	0.8	0.6
7	0.4	0.3	0.5	1.2	1.0	e 1.5	1.5	1.2	1.7	1.2	0.8	0.6
8	0.5	0.3	0.5	1.2	1.0	1.8	1.5	1.2	1.6	1.2	0.8	0.6
9	0.5	0.3	0.4	1.2	1.0	1.8	1.5	1.2	1.6	1.2	0.8	0.6
10	0.5	0.3	0.4	e 0.8	1.1	1.8	1.5	1.2	1.5	1.2	0.8	0.6
11	0.5	0.3	0.4	0.2	1.1	1.8	1.5	1.2	1.5	1.2	0.8	0.6
12	0.5	0.2	0.4	0.2	1.2	1.8	1.5	1.2	1.4	1.2	0.8	0.6
13	0.5	0.2	0.4	0.2	1.2	e 1.8	1.5	1.3	1.4	1.2	0.8	0.6
14	0.5	0.2	0.6	0.2	1.2	1.8	1.5	1.3	1.4	1.2	0.8	0.5
15	0.4	0.2	0.7	0.1	1.2	1.7	1.4	1.3	1.4	1.1	0.8	0.4
16	0.4	0.2	0.8	0.1	1.2	1.7	1.4	1.3	1.4	1.1	0.8	0.6
17	0.4	0.2	1.0	0.1	1.2	1.7	1.4	1.5	1.4	1.1	0.8	0.6
18	0.4	0.3	1.0	e 0.1	1.2	1.7	1.4	1.7	1.4	1.1	0.8	0.5
19	0.4	0.3	1.0	0.1	1.2	1.6	1.4	1.7	1.4	1.1	0.7	0.5
20	0.4	0.3	1.0	0.1	1.2	1.6	1.4	1.7	1.4	1.1	0.7	0.5
21	0.4	0.4	1.0	0.1	1.2	1.6	1.4	1.7	1.4	1.0	0.7	0.4
22	0.4	0.4	0.9	e 0.1	1.2	1.6	1.4	1.7	1.4	1.0	0.7	0.3
23	0.3	0.5	0.9	0.6	1.2	1.6	1.4	1.7	1.4	1.0	0.6	0.2
24	0.3	0.5	0.8	0.4	1.2	1.6	1.4	1.7	1.4	0.9	0.6	0.4
25	0.3	0.5	0.6	0.4	1.3	1.6	1.4	1.7	1.4	0.9	0.5	0.6
26	0.3	0.7	0.7	e 0.5	1.3	1.6	1.4	1.6	1.4	0.9	0.4	0.6
27	0.3	1.0	0.8	0.4	1.3	1.6	1.4	1.6	1.4	0.8	0.3	0.5
28	0.3	1.0	0.9	0.3	1.3	1.6	1.4	1.6	1.4	0.8	0.3	0.4
29	0.3	1.0	0.9	0.3		1.6	1.3	1.6	1.4	0.8	0.6	0.4
30	0.4	1.0	1.0	e 0.2		1.5	1.3	1.6	1.4	0.8	0.8	0.3
31	0.4		1.0	0.6		1.5		1.6		0.8	0.8	
	12.4	12.9	22.4	16.8	32.0	49.9	43.2	44.8	44.6	33.7	22.1	15.8
MEAN	0.40	0.43	0.72	0.54	1.14	1.61	1.44	1.45	1.49	1.09	0.71	0.53
ACRE-FEET	25.	26.	44.	33.	64.	99.	86.	89.	88.	67.	44.	31.

Remarks:

YEAR OR PERIOD MEAN 0.96
ACRE-FEET 696.

STATION F83-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 2 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: INSTALLED JUNE 14, 1930 OVER AN 18-INCH DIAMETER CORRUGATED IRON PIPE STILLING WELL. HORIZONTAL RATIONAL 7-DAY RECORDER IN SERVICE OCTOBER 1, 1953 TO SEPTEMBER 30, 1957.

REGULATION: PARTIALLY REGULATED BY OUTFLOW FROM LEGG LAKE. FLOW REGULATED FOR SHORT PERIOD DURING CONSTRUCTION OF LEGG LAKE AND INSTALLATION OF PIPE LINES.

DIVERSIONS: NONE.

RECORDS AVAILABLE: RECORDER RECORDS JUNE 14, 1930 TO SEPTEMBER 30, 1955. SOME WEEKLY STREAM FLOW MEASUREMENTS WERE TAKEN PRIOR TO INSTALLATION OF RECORDER.

EXTREMES OF DISCHARGE:
1955-56
MAXIMUM NOT DETERMINED.
MINIMUM 0.8 SECOND-FOOT JULY 31 TO AUGUST 4.
1956-57
MAXIMUM 8.9 SECOND-FEET NOVEMBER 15.
MINIMUM PLUS FLOW SEPTEMBER 23.
1930-57
MAXIMUM DMSCHARGE NOT DETERMINED, MARCH 2, 1938.
MAXIMUM DISCHARGE OF RECORD, 336 SECOND-FEET FEBRUARY 22, 1944.
MINIMUM PLUS FLOW SEPTEMBER 23, 1957.

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 MISSION CREEK

AT NEAR San Gabriel Boulevard 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.
1013	10/6	0855 / 0907	WADDICOR	7.0	1.45	0.76	5.44	1.1		.5	9	0	FC52
1014	10/13	0846 / 0858	"	7.0	1.43	0.77	5.43	1.1		.5	9	0	"
1015	10/20	0837 / 0848	WADDICOR-LINDSAY	7.0	1.47	0.82	5.44	1.2		.5	11	0	"
1016	10/27	0843 / 0855	WADDICOR	7.2	1.65	0.91	5.48	1.5		.5	10	0	"
1017	11/3	1000 / 1010	WADDICOR-GODFREY	13.5	11.2	0.10	6.43	1.1		.6	12	0	"
1018	11/10	0826 / 0836	WADDICOR	15.0	14.5	0.08	6.70	1.2		.6	10	0	"
1019	11/16	1419 / 1427	"	15.7	18.8	0.10	6.96	1.9		.6	13	0	"
1020	11/18	1420 / 1432	"	10.7	5.33	0.47	5.94	2.5		.6	10	0	FC37
1021	11/23	0857 / 0915	"	15.7	18.5	0.12	6.91	2.3		.6	16	0	FC52
1022	12/1	0838 / 0850	"	15.3	17.3	0.16	6.83	2.7		.6	13	0	"
1023	12/8	1135 / 1155	"	14.9	16.4	0.18	6.80	2.9		.6	14	0	"
1024	12/16	0917 / 0937	"	15.5	17.4	0.20	6.84	3.5		.6	14	0	"
1025	12/22	1020 / 1035	"	15.2	17.4	0.20	6.85	3.4		.6	14	0	"
1026	12/29	0853 / 0908	"	10.0	4.65	1.03	5.75	4.8		.6	12	0	"
1027	1/5	0846 / 0902	"	10.6	4.81	1.25	5.87	6.0		.6	12	0	FC37
1028	1/12	0845 / 0902	WADDICOR-SADDORIS	10.2	4.06	1.28	5.78	5.2		.5 .6	13	0	"
1029	1/19	0943 / 0955	WADDICOR	10.9	5.67	1.25	5.94	7.1		.6	11	0	"
1030	1/25	2050 / 2100	WADDICOR-SADDORIS	12.0	8.49	0.51	6.18	4.3		.6	10	0	"
1031	1/1	0855 / 0910	WADDICOR	14.2	13.2	0.69	6.54	9.1		.6	11	0	"
1032	2/9	0913 / 0928	"	13.0	10.78	0.54	6.39	5.8		.6	12	0	"
1033	2/16	0910 / 0924	"	13.3	11.6	0.52	6.42	6.1		.6	12	0	"
1034	2/24	0917 / 0930	WADDICOR-SJOSTEDT	12.0	8.36	0.32	6.15	2.7		.6	10	0	"
1035	3/1	0855 / 0910	WADDICOR	12.9	10.5	0.46	6.34	4.8		.6	13	0	"
1036	3/8	0855 / 0909	"	13.0	9.86	0.45	6.29	4.4		.6	12	0	"
1037	3/15	0840 / 0852	"	12.2	6.94	0.59	6.26	4.1		.6	11	0	"
1038	3/22	0900 / 0915	"	12.0	8.41	0.45	6.18	3.8		.6	11	0	"
1039	3/27	0640 / 0655	"	11.7	7.42	0.50	6.11	3.7		.6	12	0	FC52
1040	3/29	0910 / 0920	"	10.0	4.84	0.76	6.08	3.7		.6	11	0	"
1041	4/5	0940 / 0956	WADDICOR-WOOD	11.7	7.84	0.43	6.16	3.4		.6	11	0	FC37
1042	4/19	0848 / 0900	WADDICOR	10.4	3.84	1.15	5.72	4.4		.6	10	0	"
1043	4/27	0810 / 0820	"	10.5	4.2	1.12	6.30	4.7		.6	10	0	"
1044	5/3	0850 / 0902	"	12.6	9.82	0.49	6.29	4.8		.6	10	0	"
1045	5/9	0920 / 0930	"	11.0	5.50	0.87	6.43	4.8		.6	12	0	"
1046	5/17	1055 / 1106	WADDICOR-SADDORIS	14.5	14.5	0.31	6.63	4.5		.6	11	0	FC52
1047	5/26	0915 / 0930	WADDICOR	11.7	6.99	0.60	6.07	4.2		.6	11	0	"
1048	5/31	0858 / 0910	"	10.3	3.56	1.29	5.72	4.6		.6	10	0	"
1049	6/7	0857 / 0910	"	9.8	2.88	1.18	5.64	3.4		.6	9	0	"
1050	6/14	0830 / 0845	"	8.6	2.42	1.20	5.57	2.9		.6	11	0	"
1051	6/21	0837 / 0850	"	10.0	4.16	0.87	5.56	3.6		.6	10	0	"
1052	6/28	0842 / 0855	"	8.6	2.16	1.02	5.54	2.2		.6	10	0	"
1053	7/5	0753 / 0805	"	8.5	1.86	0.97	5.51	1.8		.5 .6	10	0	"
1054	7/12	0939 / 0951	WADDICOR-SADDORIS	8.3	1.76	0.91	5.47	1.6		.5	10	0	"
1055	7/19	1235 / 1245	SADDORIS	8.0	1.63	0.67	5.44	1.1		.5	9	0	"
1056	7/26	1030 / 1039	"	8.1	1.46	0.68	5.43	1.0		.5	10	0	"
1057	8/2	0835 / 0847	WADDICOR	7.7	1.28	0.62	5.41	0.80		.6	9	0	"
1058	8/9	0838 / 0848	"	7.7	1.44	0.69	5.42	1.0		.5 .6	9	0	"
1059	8/16	0851 / 0903	WADDICOR-ROY	7.6	1.45	0.83	5.44	1.2		.5	10	0	"
1060	8/23	0903 / 0918	WADDICOR-FALCONE	7.9	1.48	0.81	5.44	1.2		.5	10	0	"
1061	8/30	0917 / 0928	WADDICOR-BOWMAN	7.9	1.54	0.84	5.47	1.3		.5	10	0	"
1062	9/6	0847 / 0902	WADDICOR-ROY	7.8	1.73	0.87	5.47	1.5		.5	10	0	FC52
1063	9/13	0855 / 0905	" "	7.7	1.49	0.74	5.44	1.1		.5	10	0	"
1064	9/20	0935 / 0945	" "	8.1	1.85	0.54	5.54	1.0		.5 .6	10	0	"
1065	9/27	0834 / 0842	" "	12.0	8.34	0.18	6.18	1.5		.5 .6	9	0	"

DISCHARGE MEASUREMENTS OF MISSION CREEK

AT NEAR San Gabriel Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 1957

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.
1066	10/4	0830 / 0842	WADDICOR	10.0	6.64	0.17	6.26	1.1		.5	11	0	FC52
1067	10/11	0841 / 0856	"	12.3	9.12	0.33	6.30	3.0		.6	10	0	"
1068	10/18	0838 / 0850	"	12.0	6.97	0.43	6.01	3.0		.6	10	0	"
1069	10/26	1000 / 1015	"	10.2	4.35	0.44	5.83	1.9		.6 .5	11	0	"
1070	11/1	0822 / 0842	ROY-WADDICOR	13.5	10.8	0.44	6.35	4.8		.6	11	0	"
1071	11/8	0840 / 0852	" "	13.8	11.3	0.20	6.40	2.3		.6	9	0	FC37
1072	11/15	0848 / 0905	" "	14.7	13.7	0.60	6.56	8.2		.6	12	0	FC52
1073	11/23	1003 / 1015	WADDICOR	11.2	5.87	0.43	5.95	2.5		.6	10	0	"
1074	11/29	0952 / 1005	ROY-WADDICOR	13.3	9.88	0.46	6.32	4.6		.5 .6	10	0	"
1075	12/6	0953 / 1007	WADDICOR	12.3	6.80	0.26	6.20	1.8		.6	11	0	"
1076	12/11	0846 / 0856	"	8.6	2.74	1.13	5.67	3.1		.6	8	0	"
1077	12/20	0847 / 0905	"	13.0	9.72	0.23	6.31	2.2		.6	11	0	FC52
1078	12/27	0910 / 0922	"	11.7	6.91	0.32	6.36	2.1		.6	10	0	"
1079	1/4	0845 / 0856	"	11.8	6.53	0.44	6.09	2.9		.6	9	0	FC37
1080	1/11	1030 / 1045	ROY-WADDICOR	11.3	2.21	1.00	5.84	2.2		.6	12	0	FC52
1081	1/17	0928 / 0944	WOOD-WADDICOR	10.7	2.33	0.86	5.77	2.0		.6	11	0	"
1082	1/24	0956 / 1010	WADDICOR-MC BRIDE	12.0	6.63	0.36	6.16	2.4		.6	11	0	FC37
1083	1/25	0900 / 0915	WADDICOR	12.2	6.32	0.43	6.12	2.7		.6	12	0	FC52
1084	1/31	0855 / 0907	"	10.8	4.28	0.35	5.97	1.5		.6	12	0	"
1085	2/7	0959 / 1011	WADDICOR-BROOK	12.5	7.08	0.45	6.18	3.2		.6	12	0	"
1086	2/14	0904 / 0923	WADDICOR	12.6	7.08	0.48	6.20	3.4		.6	12	0	"
1087	2/21	0846 / 0903	"	12.7	7.12	0.46	6.21	3.3		.6	12	0	"
1088	2/28	0836 / 0900	"	12.8	7.28	0.47	6.21	3.4		.6	12	0	"
1089	3/7	0845 / 0900	"	13.0	7.37	0.49	6.28	3.6		.6	12	0	"
1090	3/7	1615 / 1625	WADDICOR-ROY	13.0	8.05	0.51	6.31	4.1		.6	13	0	"
1091	3/4	0853 / 0908	WADDICOR	10.3	5.43	0.77	6.32	4.2		.6	12	0	"
1092	3/14	1530 / 1552	"	10.1	5.37	0.71	6.31	3.8		.6	13	0	"
1093	3/21	0845 / 0905	"	9.8	4.48	0.85	6.33	3.8		.6	13	0	"
1094	3/28	0846 / 0903	"	10.3	3.54	0.96	6.29	3.4		.6	12	0	"
1095	4/4	0856 / 0910	"	10.9	4.63	0.65	6.37	3.0		.6	13	0	FC52
1096	4/11	0905 / 0917	WADDICOR-ROY	10.8	4.72	0.68	6.36	3.2		.6	11	0	"
1097	4/18	1425 / 1435	" "	10.5	4.48	0.74	6.34	3.3		.6	12	0	"
1098	4/25	0845 / 0902	WADDICOR	11.1	4.99	0.72	6.39	3.6		.6	13	0	"
1099	5/2	0838 / 0854	"	10.5	3.62	0.91	6.28	3.3		.6	13	0	"
1100	5/9	0900 / 0915	"	10.6	5.01	0.66	6.26	3.3		.6	12	0	"
1101	5/16	0832 / 0845	"	10.5	3.89	1.05	6.28	4.1		.6	12	0	"
1102	5/23	0905 / 0917	"	6.3	2.98	1.24	6.28	3.7		.6	10	0	"
1103	5/29	0900 / 0911	"	7.0	2.92	1.20	6.10	3.5		.6	9	0	"
1104	6/6	0842 / 0852	"	9.0	3.09	0.87	6.08	2.7		.6	10	0	"
1105	6/13	1125 / 1137	"	7.0	2.96	1.05	6.05	3.1		.6	10	0	"
1106	6/20	0905 / 0915	ROY-GARDNER	7.2	2.82	1.03	6.00	2.9		.6	9	0	"
1107	6/27	0855 / 0902	ROY-WADDICOR	7.0	2.60	0.88	5.96	2.3		.6	8	0	"
1108	7/3	0855 / 0905	ROY	7.0	2.44	0.83	5.94	2.0		.6	8	0	"
1109	7/11	0853 / 0904	"	9.0	2.72	0.70	5.92	1.9		.6	10	0	"
1110	7/18	0832 / 0845	WADDICOR	6.0	1.75	0.78	5.87	1.4		.6	10	0	"
1111	7/18	1515 / 1532	"	6.1	1.71	0.82	5.86	1.4		.6	12	0	"
1112	7/19	0817 / 0830	"	5.9	1.53	0.92	5.84	1.4		.5 .6	12	0	"
1113	7/25	0851 / 0904	"	8.2	1.53	0.65	5.80	1.0		.6	9	0	"
1114	7/29	1029 / 1040	WADDICOR-WOOD	7.4	1.55	0.64	5.80	1.0		.5 .6	10	0	FC52
1115	8/1	0826 / 0840	WADDICOR	7.8	1.27	0.71	5.78	0.90		.5	9	0	"
1116	8/8	0816 / 0828	WADDICOR-BLAKELY	7.7	1.15	0.74	5.76	0.85		.5	9	0	"

DISCHARGE MEASUREMENTS OF MISSION CREEK

AT San Gabriel Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 1957

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.
1117	8/15	0840 / 0853	WADDICOR	7.6	0.97	0.69	5.72	0.67		.5	10	0	FC52
1118	8/22	0945 / 0957	"	6.7	1.11	0.67	5.69	0.74		.5	8	0	"
1119	8/29	0846 / 0848	"	1.0	0.05	0.20	5.60	0.01		.5	3	0	"
1120	8/29	1600 / 1607	"	1.5	0.16	0.50	5.66	0.08		.5	6	0	"
1121	8/30	0700 / 0710	"	3.2	0.71	0.46	5.67	0.33		.5	8	0	"
1122	9/3	0825 / 0840	"	5.8	1.05	0.77	5.72	0.81		.5	11	0	"
1123	9/3	1342 / 1353	"	3.5	0.70	0.54	5.68	0.38		.5	8	0	"
1124	9/5	0832 / 0840	"	2.8	0.51	0.31	5.62	0.16		.5	6	0	"
1125	9/6	0742 / 0752	WADDICOR	2.8	0.52	0.29	5.62	0.15		.5	6	0	FC52
1126	9/7	0910 / 0920	"	2.8	0.53	0.34	5.64	0.18		.5	6	0	"
1127	9/10	0935 / 0941	"	1.8	0.29	0.48	5.62	0.14		.5	5	0	"
1128	9/11	0800 / 0808	"	2.1	0.37	0.57	5.62	0.21		.5	6	0	"
1129	9/12	0834 / 0842	"	2.0	0.32	0.38	5.61	0.12		.5	6	0	"
1130	9/13	0722 / 0732	"	2.2	0.40	0.55	5.62	0.22		.5	6	0	"
1131	9/16	0923 / 0932	"	1.9	0.30	0.40	5.60	0.12		.5	5	0	"
1132	9/17	0822 / 0831	"	2.6	0.49	0.65	5.64	0.32		.5	6	0	"
1133	9/18	0904 / 0912	"	3.0	0.52	0.62	5.61	0.32		.5	7	0	"
1134	9/19	0905 / 0910	"	2.5	0.43	0.58	5.61	0.25		.5	6	0	"
1135	9/26	0840 / 0845	ROY	2.3	0.28	0.61	5.60	0.17		.5	6	0	FC48

75D74M Cab 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F63-R

Daily discharge, in second-feet of MISSION CREEK at San Gabriel Boulevard, for the year ending September 30, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.1	c 1.5	c 2.7	4.6	a 9.0	4.8	3.3	4.7	4.3	1.9	0.8	1.4
2	1.1	1.5	2.7	4.7	9.1	4.8	3.5	4.8	4.2	1.9	0.8	1.4
3	1.1	1.1	2.7	4.6	8.6	4.7	3.5	4.8	3.7	1.9	0.8	1.5
4	1.1	1.1	2.8	6.2	8.2	4.7	3.4	4.4	3.9	1.8	0.8	1.5
5	1.1	1.1	2.8	6.2	7.7	4.4	3.2	4.2	3.7	1.8	0.9	1.5
6	1.1	1.1	2.9	5.7	7.2	4.1	3.4	4.0	3.5	1.9	0.9	1.5
7	1.1	1.2	2.9	6.0	6.8	3.9	3.1	4.5	3.4	1.8	1.1	1.5
8	1.1	1.2	2.9	5.3	6.3	4.3	2.4	4.4	3.4	1.8	1.1	1.4
9	1.1	1.2	2.9	5.7	5.8	4.3	3.1	4.7	3.4	1.8	1.0	1.4
10	1.2	1.2	3.0	6.6	5.8	4.2	3.7	4.1	3.2	1.7	1.0	1.4
11	1.2	1.3	3.1	5.5	5.9	4.0	3.5	c 4.1	3.1	1.6	1.1	1.2
12	1.2	1.4	3.2	5.7	6.0	4.0	3.5	4.9	3.0	1.6	1.1	1.2
13	1.1	1.5	3.3	6.0	6.1	4.0	c 3.6	4.8	2.9	1.6	1.1	c 1.1
14	1.1	1.7	3.4	6.4	6.1	4.0	3.8	4.7	2.9	1.5	a 1.1	1.0
15	1.2	1.8	3.5	5.8	a 6.1	4.1	4.0	4.6	2.8	1.4	a 1.2	1.0
16	1.2	1.9	3.5	6.5	6.0	4.1	4.1	c 4.5	2.9	1.3	a 1.2	1.0
17	1.2	2.2	3.5	6.6	6.0	4.1	c 4.3	a 4.5	3.0	1.2	1.2	1.0
18	1.2	2.5	3.5	5.8	6.0	4.0	4.3	4.5	3.3	1.1	1.2	1.0
19	1.2	2.5	3.5	6.8	5.6	4.0	4.4	4.4	3.4	1.1	1.2	1.0
20	1.2	2.4	3.4	7.0	4.9	4.0	4.4	4.4	3.5	1.1	1.2	1.0
21	1.2	2.4	3.4	7.0	5.3	3.9	c 4.4	4.3	a 3.6	1.1	1.2	1.1
22	1.2	2.3	3.4	6.6	5.5	3.8	4.4	4.3	3.4	1.1	1.2	1.1
23	1.2	2.3	c 3.4	4.7	2.7	3.9	4.4	a 4.2	3.2	1.2	1.2	1.2
24	1.3	2.3	5.0	4.7	2.7	3.9	4.5	c 4.2	3.0	1.1	1.2	1.3
25	1.4	2.4	5.2	5.3	2.2	4.1	c 4.5	4.2	2.8	1.0	1.2	1.4
26	1.5	2.4	5.2	6.2	3.1	3.9	4.5	4.2	2.6	1.0	1.2	1.5
27	1.5	2.5	5.8	c 1.0	4.0	3.7	4.7	4.2	a 2.4	1.0	1.2	c 1.5
28	1.5	2.5	4.7	a 8.5	4.4	3.6	4.6	5.2	2.2	1.0	1.2	1.5
29	1.5	2.6	4.6	8.6	4.6	3.6	4.6	4.9	2.1	0.9	1.2	1.4
30	1.5	c 2.6	4.6	8.8		3.1	4.5	4.7	2.1	0.9	1.3	1.4
31	1.5		4.6	a 8.9		3.1		c 4.6		0.8	1.3	
	38.2	55.7	112.1	197.0	167.7	125.1	117.6	139.0	94.9	42.9	34.2	38.4
MEAN	1.23	1.86	3.62	6.35	5.78	4.04	3.92	4.48	3.16	1.38	1.10	1.28
ACRE-FEET	76.	110.	222.	391.	333.	248.	233.	276.	188.	85.	68.	76.

Remarks:

YEAR OR PERIOD MEAN 3.18
ACRE-FEET 2310.

75D74M Cab 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F63-R

Daily discharge, in second-feet of MISSION CREEK at San Gabriel Boulevard, for the year ending September 30, 1957

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.4	4.7	3.1	2.2	3.6	3.8	3.0	3.3	3.2	2.2	0.9	0.4
2	1.3	4.7	3.0	2.2	3.5	3.6	3.1	3.3	3.1	2.0	0.9	0.4
3	1.2	4.4	2.9	2.1	3.5	3.5	3.1	3.3	3.0	1.9	0.9	0.4
4	1.1	3.9	2.4	2.6	3.4	3.4	2.9	3.4	2.9	1.9	0.9	0.2
5	1.2	3.5	2.1	3.2	3.3	3.4	3.0	3.4	2.8	1.9	0.9	0.2
6	1.5	2.7	1.7	3.1	3.4	3.5	3.1	3.4	2.7	2.1	0.9	0.2
7	1.7	2.6	1.7	3.0	3.3	3.8	3.1	3.3	2.8	2.1	0.9	0.2
8	1.9	2.4	1.7	2.8	3.2	4.0	3.1	3.4	2.9	2.1	0.8	0.2
9	2.2	3.0	1.6	2.7	3.3	4.1	3.2	3.3	2.9	2.0	0.7	0.1
10	2.6	3.8	2.4	c 2.5	3.4	4.1	3.2	3.5	3.0	2.0	0.8	0.1
11	3.0	4.5	3.1	2.4	3.4	4.2	3.2	3.6	3.1	1.9	0.8	0.2
12	2.9	5.6	2.7	1.8	3.3	4.2	3.2	3.7	3.1	1.8	0.7	0.1
13	2.9	6.4	2.2	c 1.9	3.3	4.2	3.1	3.9	3.1	1.6	0.8	0.2
14	2.3	7.0	2.1	c 2.0	a 3.4	4.0	3.1	3.9	3.1	1.6	0.8	0.2
15	2.2	8.2	1.9	c 2.0	3.4	3.8	c 3.1	3.9	3.1	1.5	0.6	0.1
16	2.1	7.8	2.1	2.1	3.4	3.9	c 3.1	a 3.9	3.2	1.5	0.6	0.1
17	2.2	7.5	2.1	2.0	3.4	3.8	3.1	3.9	3.2	1.4	0.6	0.3
18	2.8	7.1	2.1	2.1	3.3	3.9	3.4	3.8	3.1	1.4	0.7	0.3
19	3.2	7.0	2.2	2.1	3.3	3.8	3.5	3.8	3.1	1.5	0.7	0.3
20	3.1	6.7	2.2	2.2	3.3	3.8	3.6	3.7	2.9	1.4	0.7	0.3
21	2.5	6.1	2.2	2.3	a 3.3	3.8	3.6	a 3.7	2.8	1.4	0.6	0.3
22	2.6	4.2	2.2	2.3	3.3	3.8	3.6	3.7	2.7	1.4	0.7	0.2
23	2.8	2.5	2.2	c 2.3	3.5	3.8	3.6	3.7	2.7	1.1	0.6	+
24	2.9	c 2.5	2.2	2.4	3.5	3.6	3.6	3.8	2.7	1.0	0.4	0.1
25	2.3	c 2.5	2.2	2.7	3.6	3.4	3.6	3.7	2.6	1.0	0.2	0.2
26	1.4	c 2.5	2.1	3.1	3.4	3.4	3.6	3.7	2.4	1.0	0.1	0.1
27	e 1.0	e 2.5	2.1	2.7	3.4	3.3	3.6	3.7	2.2	1.1	+	0.1
28	e 1.0	e 2.5	2.2	2.7	3.4	3.1	3.4	3.5	2.3	1.0	+	0.1
29	1.0	4.4	2.2	2.7		3.1	3.4	3.5	2.3	1.0	0.1	0.1
30	4.8	3.9	2.2	2.1		3.0	3.4	3.4	2.2	0.9	0.3	0.1
31	4.9		2.2	2.3		3.0		3.4		1.0	0.4	
	70.2	137.1	69.3	74.6	94.8	114.1	98.6	111.5	85.2	47.7	19.0	5.8
MEAN	2.26	4.57	2.24	2.41	3.39	3.68	3.29	3.60	2.84	1.54	0.61	0.19
ACRE-FEET	139.	272.	137.	148.	188.	226.	196.	221.	169.	95.	38.	12.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 2.54
ACRE-FEET 1840.

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 1957.

EXTREMES:
1956-57
MAXIMUM DAILY 6.0 CFS JANUARY 10, 1956.
MINIMUM NO FLOW AUGUST 24, TO SEPTEMBER 21, AND SEPTEMBER 4, TO 30, 1957.

REMARKS: RECORDS GOOD. FLOW IS ALMOST ENTIRELY FROM GROUND-WATER SEEPAGE.

COOPERATION: RECORDS FURNISHED BY THE UNITED STATES GEOLOGICAL SURVEY, WATER RESOURCES BRANCH. FIFTY STREAM FLOW MEASUREMENTS FURNISHED BY THE LOS ANGELES FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF MISSION CREEK

at below Whittier Narrows 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.	RATING	METHOD	MEAS. SEC. NO.	D. HT. CHANGE TOTAL	METER NO.
1	1/4			U.S.G.S.	4.0	1.41	2.50	0.40	3.52		.6	19	+.01	
2	1/12			"	4.0	1.94	2.29	0.50	4.45		.6	19	0	
3	1/19			"	4.0	1.80	3.12	0.52	5.61		.6	22	-.01	
4	2/2			"	4.1	0.80	2.04	0.26	1.63		.5	23	+.02	
5	2/7			"	4.1	0.82	1.98	0.25	1.62		.5	23	0	
6	2/16			"	4.4	0.99	1.96	0.27	1.94		.5	24	-.04	
7	2/21			"	4.3	1.28	2.25	0.32	2.88		.5	23	-.01	
8	3/5			"	4.3	1.15	2.10	0.31	2.42		.6	17	0	
9	3/14			"	4.3	1.45	2.41	0.40	3.49		.6	17	0	
10	3/22			"	4.7	1.42	2.01	0.32	2.85		.6	18	0	
11	4/5			"	4.8	1.28	1.90	0.29	2.43		.5	19	0	
12	4/10			"	4.7	1.24	1.91	0.29	2.37		.5	19	0	
13	4/19			"	4.7	1.49	2.20	0.36	3.28		.6	19	0	
14	5/2			"	4.5	1.19	2.12	0.32	2.52		.6	18	0	
15	5/21			"	5.4	2.07	1.56	0.38	3.24		.6	21	+.01	
16	6/8			"	4.7	1.42	2.08	0.35	2.96		.6	19	0	
17	6/14			"	4.7	1.26	1.94	0.30	2.44		.5	19	0	
18	6/21			"	4.7	1.21	1.92	0.29	2.33		.5	18	-.01	
19	6/27			"	4.7	1.08	1.87	0.26	2.02		.5	19	0	
20	7/6			"	4.7	0.95	1.64	0.25	1.56		.5	19	0	
21	7/12			"	4.7	0.94	1.47	0.22	1.38		.5	19	0	
22	7/19			"	4.7	0.79	1.36	0.20	1.07		.5	19	0	
23	7/26		-	"	4.7	0.78	1.08	0.19	0.90		.5	19	0	
24	7/26	1122	1135	ROY	4.8	0.97	1.03	0.20	1.02		.5	10		FC52
25	8/2			U.S.G.S.	5.9	0.83	0.72	0.14	0.60		.5	21	0	
26	8/2	0925	0947	WADDICOR	4.3	0.44	0.86	0.14	0.38		.5	11		FC52
27	8/8			U.S.G.S.	5.9	1.18	0.80	0.20	0.94		.5	22	0	
28	8/9	1048	1100	WADDICOR	4.3	0.52	1.23	0.17	0.64		.5	11		FC52
29	8/16			U.S.G.S.	4.7	0.78	1.18	0.18	0.92		.5	19	0	
30	8/16	0920	0931	WADDICOR	4.3	0.54	1.19	0.18	0.70		.5	11		FC52
31	8/23	0936	0950	"	4.2	0.53	1.43	0.17	0.76		.5	10		"
32	8/28			U.S.G.S.	5.9	1.24	0.74	0.18	0.92		.5	21	0	
33	8/30	1024	1030	WADDICOR	4.2	0.58	1.28	0.18	0.74		.5	6		FC52
34	9/6	0916	0923	"	4.2	0.59	1.70	0.21	1.00		.5	6		"
35	9/6			U.S.G.S.	4.7	0.80	1.39	0.21	1.11		.5	19	0	
36	9/13	0922	0927	WADDICOR	4.2	0.50	1.12	0.17	0.56		.5	7		FC52
37	9/19	0932	0938	"	4.2	0.84	2.14	0.27	1.84		.5	7		"
38	9/20			U.S.G.S.	4.7	1.10	1.63	0.26	1.79		.5	18	0	
39	9/27	1308	1325	ROY	4.3	1.21	1.49	0.36	1.85		.5	7	0	FC37

DISCHARGE MEASUREMENTS OF MISSION CREEK

at below Whittier Narrows Dam 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.
40	10/5			U.S.G.S.	4.7	1.40	2.04	0.33	2.86		.5	18	0	
41	10/9			"	5.1	1.67	1.57	0.34	2.62		.6	19	0	
42	10/18	0950	1000	WADDICOR	4.2	0.75	1.87	0.23	1.45		.6	7	0	
43	10/26	1250	1258	"	4.2	1.18	1.36	0.28	1.63		.5	6	0	
44	10/30			U.S.G.S.	5.9	0.99	0.78	0.18	0.77		.5	21	0	
45	11/6			"	5.9	2.18	1.25	0.38	2.72		.6	21	0	
46	11/16			"	5.9	2.53	1.34	0.37	3.38		.6	22	0	
47	11/23	1245	1258	WADDICOR	4.3	0.77	1.95	0.23	1.58		.6	10	0	
48	11/28			U.S.G.S.	5.9	1.18	0.94	0.18	1.11		.5	21	0	
49	11/29	1250	1258	WADDICOR	4.3	0.81	2.10	0.24	1.73		.6	10	0	
50	12/14	0950	0955	WADDICOR-ROY	5.1	2.40	1.67	0.47	3.95		.6	8	0	
51	12/18			U.S.G.S.	5.2	1.70	1.56	0.32	2.66		.5	19	0	
52	12/31			"	5.2	1.64	1.48	0.31	2.43		.6	20	0	
53	1/4	0940	0948	WADDICOR	5.2	1.72	1.05	0.30	1.83		.6	7	0	
54	1/7			U.S.G.S.	5.2	1.70	1.45	0.33	2.47		.6	19	0	
55	1/11	1249	1302	ROY-WADDICOR	5.2	1.46	1.30	0.29	1.91		.6	10	0	
56	1/17	1028	1042	WOOD-WADDICOR	5.2	1.35	1.26	0.26	1.69		.6	9	0	
57	1/21			U.S.G.S.	5.2	1.35	1.46	0.26	1.98		.5	19	0	
58	1/24	1126	1135	WADDICDR-MC BRIDE	5.2	1.5	1.47	0.27	2.2		.6	8	0	
59	1/31	1001	1010	WADDICOR	5.2	1.04	1.25	0.25	1.26		.6	8	0	
60	1/31			U.S.G.S.	5.2	1.36	1.57	0.26	2.13		.5	19	0	
61	2/7	1318	1332	WADDICOR-BROOK	5.2	1.58	1.71	0.29	2.74		.6	13	0	
62	2/14	1100	1110	WADDICOR	5.2	1.46	1.72	0.28	2.51		.6	7	0	
63	2/14			U.S.G.S.	5.2	1.02	1.65	0.28	2.35		.5	16	0	
64	2/21	1102	1112	WADDICOR	5.2	1.46	1.51	0.27	2.24		.6	8	0	
65	2/28	1045	1055	"	5.2	1.34	1.42	0.27	1.92		.6	8	0	
66	2/28			U.S.G.S.	5.2	1.38	1.44	0.28	1.99		.5	19	+.01	
67	3/7	1235	1242	WADDICOR-ROY -	5.2	1.40	1.29	0.26	1.8		.6	8	0	
68	3/13			U.S.G.S.	5.2	1.20	1.23	0.25	1.48		.5	18	0	
69	3/14	1157	1209	WADDICOR	5.2	1.36	1.18	0.25	1.59		.6	8	0	
70	3/21	1050	1104	"	5.2	1.09	1.01	0.21	1.10		.6	8	0	
71	3/28	1048	1100	"	5.2	1.03	1.26	0.21	1.3		.6	8	0	
72	3/29			U.S.G.S.	5.2	1.03	1.25	0.21	1.29		.5	19	0	
73	4/1	1444	1456	ROY-WADDICOR	5.2	1.20	1.58	0.24	1.9		.6	8	0	
74	4/4	1110	1122	WADDICOR	5.2	1.35	1.48	0.26	2.0		.6	8	0	
75	4/11			U.S.G.S.	5.2	1.49	1.44	0.27	2.15		.5	18	0	
76	4/11	1020	1027	WADDICOR-ROY	5.2	1.34	1.27	0.27	1.7		.6	8	0	
77	4/19	1100	1110	" "	5.2	1.77	1.81	0.34	3.2		.6	8	0	
78	4/25	1025	1037	WADDICOR	5.2	1.77	1.69	0.36	3.0		.6	8	0	
79	4/30			U.S.G.S.	5.2	0.84	0.93	0.17	0.78		.5	13	0	
80	5/2	1014	1024	WADDICOR	5.2	1.36	1.25	0.27	1.7		.6	8	0	
81	5/9	1015	1022	"	5.2	1.24	1.37	0.24	1.7		.6	8	0	
82	5/16	1002	1010	"	5.2	1.51	1.46	0.29	2.2		.6	8	0	
83	5/16			U.S.G.S.	5.2	1.53	1.49	0.29	2.28		.5	18	0	
84	5/23	1042	1054	BROOK-WADDICOR	5.2	1.58	1.52	0.30	2.4		.6	12	0	
85	5/29	1038	1048	WADDICOR	5.2	1.77	1.69	0.34	3.0		.6	8	0	

DISCHARGE MEASUREMENTS OF MISSION CREEK

LOCATION below Whittier Narrows Dam 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.	G. HT. CHANGE TOTAL	METER NO.
86	6/4		U.S.G.S.	5.2	1.70	1.62	0.31	2.75		.5	19	0	
86a	6/6	0951 / 1000	WADDICOR	5.2	1.56	1.66	0.28	2.60		.6	7	0	
87	6/13		U.S.G.S.	5.2	1.55	0.29	2.40	2.40		.5	19	0	
88	6/20	1027 / 1040	ROY-GARDNER	5.2	1.35	1.47	0.27	2.0		.6	13	0	
89	6/26		U.S.G.S.	5.1	1.36	1.47	0.26	2.00		.5	18	0	
90	6/27	1007 / 1020	ROY-WADDICOR	5.2	1.24	1.45	0.25	1.8		.6	13	0	
91	7/3	1042 / 1054	ROY	5.2	1.25	1.36	0.24	1.7		.6	13	0	
92	7/11	1030 / 1040	"	5.2	1.13	1.24	0.22	1.4		.6	10	0	
93	7/18		U.S.G.S.	5.2	1.11	1.16	0.20	1.29		.5	15	0	
94	7/18	1110 / 1122	WADDICOR	5.2	1.04	1.06	0.20	1.1		.5	9	0	
95	7/25	1019 / 1025	WADDICOR-HAMMER-SMITH	5.2	0.83	0.80	0.17	0.66		.5	8	0	
96	7/29		U.S.G.S.	5.0	0.75	0.93	0.16	0.70		.5	18	0	
97	7/29	1327 / 1334	WADDICOR-WOOD	5.2	0.82	0.52	0.15	0.63		.5	8	0	
98	8/1	1005 / 1018	WADDICOR	5.2	0.67	0.64	0.13	0.43		.5	8	0	
99	8/8	1010 / 1018	WADDICOR-BLAKELY	5.1	0.61	0.69	0.13	0.42		.5	8	0	
100	8/13		U.S.G.S.	5.2	0.62	0.79	0.11	0.49		.5	19	0	
101	8/15	1047 / 1102	WADDICOR	4.2	0.34	0.65	0.10	0.22		.5	2	0	
102	8/22	1045 / 1055	"	4.2	0.65	0.58	0.06	0.38		.5	10	0	

76D76M C-b 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, 19 56

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1				3.1	1.6	1.2	2.4	2.4	3.1	1.7	0.6	0.8
2				3.2	1.5	1.4	2.4	2.5	3.2	1.7	0.5	0.8
3				3.2	1.6	1.2	2.4	2.6	3.2	1.7	0.6	1.0
4				4.2	1.6	1.2	2.3	2.8	3.1	1.6	0.7	0.9
5				5.4	1.5	2.0	2.3	2.8	3.2	1.6	0.7	0.9
6				5.0	1.4	2.9	2.5	2.6	3.1	1.6	0.8	1.0
7				5.2	1.5	2.8	2.6	2.6	3.1	1.8	0.8	1.0
8				4.7	1.7	2.7	2.1	2.6	2.9	1.7	0.8	1.0
9				4.2	1.9	2.7	2.2	2.8	2.9	1.6	0.6	0.9
10				6.0	1.8	2.6	2.4	3.1	2.6	1.6	0.6	0.9
11				5.0	1.7	2.4	2.3	3.2	2.5	1.5	0.6	0.6
12				5.0	1.6	2.7	2.4	3.2	2.4	1.4	0.6	0.6
13				5.5	1.9	2.7	2.4	3.2	2.3	1.3	0.7	0.5
14				5.6	1.6	2.6	2.4	3.3	2.3	1.2	0.8	0.5
15				5.0	1.8	2.5	2.1	3.5	2.3	1.2	0.8	0.5
16				4.4	1.6	2.3	0.9	3.3	2.3	1.2	0.8	0.5
17				4.5	1.5	2.3	1.8	3.3	2.3	1.2	0.8	0.5
18				4.6	1.4	2.3	2.5	3.3	2.3	1.2	1.0	0.4
19				5.0	1.5	2.3	2.3	3.2	2.3	1.1	0.9	1.4
20				5.2	1.7	2.3	0.4	3.1	2.3	1.0	0.7	1.8
21			2.8	4.6	1.7	2.3	1.4	2.9	2.3	0.9	0.7	1.7
22			2.8	3.8	1.1	2.6	2.5	2.9	2.3	0.9	0.6	1.7
23			4.1	4.7	0.4	2.5	2.4	2.9	2.3	0.7	0.6	1.8
24			4.2	4.5	0.4	2.6	2.4	3.2	2.2	0.7	0.6	2.3
25			4.1	3.3	0.8	2.8	2.4	3.5	2.0	0.7	0.6	3.1
26			4.1	1.3	1.5	2.6	2.3	3.5	1.9	0.7	0.7	3.1
27			4.1	0.7	1.3	2.9	2.2	3.5	1.8	0.7	0.8	3.1
28			3.6	3.3	1.4	2.5	2.2	3.5	1.8	0.7	0.9	3.2
29			3.5	3.3	1.3	2.4	2.2	3.5	1.9	0.7	0.7	3.2
30			3.2	2.4		2.4	2.4	3.5	1.8	0.7	0.7	3.3
31			3.1	1.7		2.4		3.3		0.6	0.7	
			39.6	127.6	42.3	73.1	65.5	95.6	74.0	36.9	22.0	43.0
MEAN				4.12	1.46	2.36	2.18	3.08	2.47	1.19	0.71	1.43
ACRE-FEET			79.	253.	84.	145.	130.	190.	147.	73.	44.	85.

Remarks:

YEAR OR PERIOD MEAN
ACRE-FEET 1230. INC.

76D76M C-b 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, 19 57

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.8	1.0	2.0	2.4	2.3	1.5	1.8	1.4	2.9	1.8	0.5	0
2	2.8	2.5	1.8	2.4	2.3	1.5	1.8	1.6	2.9	1.8	0.5	0.1
3	2.8	2.5	1.9	2.4	2.4	1.6	1.9	1.4	2.9	1.7	0.5	0.1
4	2.8	2.6	1.9	2.5	2.4	1.7	2.0	1.1	2.8	1.7	0.5	0
5	2.8	2.6	1.9	2.5	2.4	1.7	2.0	1.1	2.8	1.7	0.5	0
6	2.8	2.8	2.0	2.5	2.4	1.7	2.0	1.2	2.8	1.6	0.5	0
7	2.6	2.8	1.9	2.5	2.4	1.8	2.0	1.2	2.6	1.6	0.5	0
8	2.6	2.9	1.9	2.5	2.4	1.8	2.0	1.2	2.5	1.6	0.5	0
9	2.6	3.1	1.9	2.4	2.4	1.7	2.0	1.7	2.5	1.6	0.4	0
10	2.5	3.1	2.6	2.4	2.4	1.6	2.2	1.7	2.4	1.5	0.5	0
11	2.5	3.2	2.5	1.9	2.4	1.5	2.2	1.7	2.4	1.4	0.5	0
12	2.5	3.2	2.5	1.8	2.4	1.5	2.3	1.9	2.4	1.3	0.5	0
13	2.4	3.3	4.6	2.3	2.4	1.5	2.2	2.0	2.4	1.3	0.5	0
14	2.0	3.3	3.4	1.6	2.4	1.5	1.9	2.2	2.4	1.3	0.4	0
15	1.7	3.3	2.6	1.8	2.4	1.6	2.0	2.3	2.4	1.3	0.3	0
16	1.7	3.3	2.6	1.7	2.4	1.6	1.4	2.3	2.3	1.3	0.3	0
17	1.5	3.2	2.6	1.7	2.4	1.6	1.0	2.3	2.2	1.2	0.3	0
18	1.5	3.3	2.6	1.7	2.4	1.5	1.4	2.3	2.0	1.2	0.2	0
19	1.5	3.3	2.6	1.8	2.3	1.5	3.1	2.3	2.0	1.1	0.2	0
20	1.4	3.3	2.6	1.9	2.3	1.2	3.1	2.3	2.0	1.1	0.2	0
21	1.0	2.9	2.6	2.0	2.3	1.2	3.1	2.3	1.9	1.1	0.2	0
22	1.1	2.3	2.6	2.0	2.3	1.0	3.1	2.3	2.0	1.0	0.2	0
23	1.1	1.6	2.6	2.0	2.3	1.0	3.1	2.4	2.0	0.9	0.2	0
24	1.0	1.3	2.5	2.0	2.2	1.1	3.1	2.4	2.0	0.7	0	0
25	1.0	1.0	2.4	2.0	2.0	1.2	3.1	2.5	1.9	0.6	0	0
26	0.9	0.9	2.3	2.2	1.9	1.2	3.2	2.6	1.8	0.6	0	0
27	0.9	0.6	2.3	2.2	1.8	1.1	4.5	2.9	1.8	0.7	0	0
28	0.8	0.8	2.3	2.2	1.8	1.2	1.3	3.1	1.8	0.7	0	0
29	0.8	0.7	2.3	2.2		1.3	1.0	3.1	1.8	0.6	0	0
30	0.9	1.3	2.3	2.2		1.7	0.8	2.9	1.8	0.6	0	0
31	0.6		2.4	2.2		1.8		2.9		0.5	0	
	55.9	72.0	75.0	66.1	64.2	45.4	66.6	64.6	68.4	37.1	8.9	0.2
MEAN	1.80	2.40	2.42	2.13	2.29	1.46	2.22	2.08	2.28	1.20	0.29	0.007
ACRE-FEET	111.	143.	149.	131.	127.	90.	132.	128.	136.	74.	18.	0.4

Remarks:

YEAR OR PERIOD MEAN 1.71
ACRE-FEET 1,240.

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: INSTALLED NOVEMBER 10, 1927 IN A CONCRETE RUBBLE HOUSE OVER A 4 FT. X 3 FT. CONCRETE STILLING WELL. AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1955 TO SEPTEMBER 30, 1957.

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, 1957. WADING MEASUREMENTS ONLY DURING PERIOD OF NO RECORDER RECORD.

EXTREMES OF DISCHARGE:
1955-56
MAXIMUM 84 SECOND-FEET JANUARY 26.
MINIMUM PLUS FLOW PART OF YEAR.
1956-57
MAXIMUM 12.5 SECOND-FEET FEBRUARY 23.
MINIMUM PLUS FLOW PART OF YEAR.
1927-57
MAXIMUM DISCHARGE NOT DETERMINED MARCH 2, 1938.
MAXIMUM 486 SECOND-FEET JANUARY 25, 1954 ESTIMATED AT FALLS (MUD FLOW).
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: POOR.

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

DISCHARGE MEASUREMENTS OF MONROVIA CREEK

~~AT~~ NEAR above Sawpit Creek 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.
884	10/27	1335	STUNDEN				4.12	0.01		VOL.			
885	11/3	0945	"				4.14	0.01		"			
886	11/10	1215	"				4.15	0.01		"			
887	11/17	1055	"				4.19	0.03		"			
888	11/21	1130	"				4.20	0.03		"			
889	11/23	1338	"				4.14	0.03		"			
890	12/1	1220	"				4.14	0.02		"			
891	12/4	1100	"				4.22	0.03		"			
892	12/8	1200	"				4.23	0.03		"			
893	12/14	1135	"				4.24	0.03		"			
894	12/22	1140 / 1145	"	0.5	0.06	0.50	4.24	0.03	.5	4	0		FC50
895	12/29	1120 / 1126	STUNDEN-FALCONE	0.5	0.08	0.50	4.25	0.04	.5	4	0		"
896	1/5	0920	STUNDEN				4.25	0.03		VOL.			
897	1/12	1000 / 1005	"	0.5	0.06	0.50	4.25	0.03	.5	4	0		"
898	1/9	1105 / 1110	STUNDEN-PHENIX	0.5	0.08	0.50	4.28	0.04	.5	4	0		"
899	1/25	1503 / 1512	" "	1.6	0.28	2.04	4.42	0.57	.5	6	0		FC36
900	1/25	2215 / 2220	" "	1.5	0.30	1.87		0.56	.5	4			"
901	1/26	0517 / 0522	" "	3.5	1.19	3.36		4.0	.5	8			"
902	1/26	1040 / 1050	" "	CHANNELS				31.9	.5 .6	9			"
903	1/27	1310 / 1320	" "	3.0	1.54	3.38		5.2	.5 .6	7			"
904	1/31	1510 / 1515	STUNDEN	1.8	0.39	1.13		0.44	.5	5			"
905	2/2	1000 / 1005	"	1.0	0.24	1.29		0.31	.5	4			"
906	2/9	1145 / 1150	"	1.0	0.14	0.93		0.13	.5	4			"

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.
907	2/16	1100 / 1104	SADDORIS	1.6	0.16	0.56		0.09		.5	3		FC26
908	2/23	1115 / 1120	STUNDEN	1.1	0.16	0.69		0.11		.5	4		FC50
909	2/24	1210 / 1215	"	1.2	0.29	0.97		0.28		.5	4		FC36
910	3/1	1345 / 1350	"	0.90	0.10	1.00		0.10		.5	4		FC50
911	3/8	1040 / 1045	"	0.70	0.06	0.83		0.05		.5	4		"
912	3/15	1355 / 1400	SJOSTEDT	0.8	0.15	0.53		0.08		.5	5		"
913	3/22	1135 / 1140	STUNDEN	0.9	0.09	0.67	4.65	0.06		.5	4	0	"
914	3/29	1240 / 1245	"	1.0	0.06	1.00	4.68	0.06		.5	4	0	"
915	4/5	1200 / 1204	"	1.0	0.06	1.00	4.67	0.06		.5	4	0	"
916	4/12	1040 / 1045	"	1.0	0.08	1.00	4.74	0.08		.5	4	0	"
917	4/12	2105 / 2110	"	2.0	0.70	1.16	4.96	0.81		.5	5	0	FC36
918	4/19	0805 / 0810	"	0.7	0.12	0.67	4.73	0.08		.5	4	0	FC50
919	4/26	1048 / 1053	"	2.0	0.19	0.42	5.09	0.08		.5	5	0	"
920	5/3	1005 / 1007	SADDORIS	1.1	0.13	0.69	5.02	0.09		.5	3	0	FC26
921	5/9	1046 / 1051	STUNDEN	1.5	0.28	1.36	5.04	0.38		.5	5	0	FC50
922	5/17	1225 / 1230	"	1.5	0.08	1.00	4.81	0.08		.5	4	0	"
923	5/23	1305 / 1310	"	0.70	0.06	0.67	4.78	0.04		.5	4	0	"
924	5/31	1015 / 1020	"	0.60	0.04	1.00		0.04			4		"
925	6/28	1220 / 1223	HOLLERON-STUNDEN	0.45	0.05	0.20		0.01		.5	4		FC50

DISCHARGE MEASUREMENTS OF MONROVIA CREEK

~~AT~~ NEAR above Sawpit Creek DURING THE YEAR ENDING SEPTEMBER 30, 1957

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. WT. CHANGE TOTAL	METER NO.
926	11/20	1530 / 1535	HOLLERON	0.4	0.03	0.33	4.82	0.01		.5	4	0	FC48
927	12/6	1048 / 1052	"	0.4	0.03	0.67	4.80	0.02		.5	4	0	"
928	12/20	1345 / 1350	HOLLERON-ROY	0.4	0.03	0.33	4.77	0.01		.5	4	0	"
929	12/26	1450	BOWMAN-HOLLERON				4.78	0.01		90°/V" NOTCH WEIR			
930	1/10	1135 / 1140	HOLLERON-HENSLEY	0.36	0.07	0.71	4.74	0.05		.5	4	0	FC48
931	1/13	0140 / 0150	HOLLERON-STUNDEN	6.0	2.30	2.48	5.00	5.6		.5	7	0	FC34
932	1/13	1130 / 1136	HOLLERON-HENSLEY	4.2	0.99	1.42	4.58	1.4		.5	8	0	FC48
933	1/18	0840 / 0845	HOLLERON	1.8	0.18	0.50	4.37	0.09		.5	5	0	"
934	1/24	1210 / 1220	HENSLEY-HOLLERON	0.9	0.16	0.44	4.36	0.07		.5	5	0	"
935	2/7	1345 / 1350	HOLLERON	1.0	0.17	0.76	4.38	0.13		.5	5	0	"
936	2/14	1400 / 1405	"	1.0	0.15	0.60	4.38	0.09		.5	5	0	"
937	2/21	1444 / 1452	MC BRIDE-HOLLERON	1.0	0.14	0.57	4.38	0.08		.5	5	0	"
938	3/1	1415 / 1429	HENSLEY-HOLLERON	1.9	0.47	0.87	4.10	0.41		.5	8	0	"
939	3/7	1400 / 1402	HOLLERON	1.8	0.23	0.83	4.06	0.19		.5	5	0	"
940	3/14	1210 / 1216	WOOD- HOLLERON	1.9	0.32	0.56	4.06	0.18		.5	6	0	"
941	3/16	0904 / 0910	HOLLERON-HENSLEY	1.8	0.36	0.56	4.07	0.20		.5	7	0	"
942	3/21	1408 / 1414	HOLLERON	1.8	0.32	0.56	4.04	0.18		.5	6	0	"
943	3/28	1324 / 1328	"	0.7	0.12	1.00	4.04	0.12		.5	5	0	"
944	4/11	1304 / 1312	MC BRIDE	0.6	0.11	0.91	4.04	0.10		.5	5	0	"
945	4/18	1426 / 1430	HOLLERON	0.9	0.18	0.72	4.07	0.13		.5	5	0	"
946	4/25	1342 / 1347	"	1.0	0.23	1.04	4.10	0.24		.5	5	0	"
947	5/1	1558 / 1602	"	1.0	0.20	0.70	4.08	0.14		.5	5	0	"
948	5/9	1254 / 1258	"	1.0	0.21	0.52	4.06	0.11		.5	5	0	"
949	5/23	1248 / 1254	HOLLERON	1.3	0.23	0.52	4.09	0.12		.5	6	0	FC48
950	5/29	1455 / 1501	"	1.2	0.19	0.58	4.09	0.11		.5	5	0	"
951	6/6	1310 / 1323	ROY-HOLLERON	1.2	0.20	0.40	4.08	0.08		.5	9	0	"
952	6/17	0825 / 0831	HOLLERON	1.2	0.17	0.35	4.07	0.06		.5	5	0	"
953	6/27	1345 / 1350	"	0.6	0.10	0.50	4.06	0.05		.5	5	0	"
954	7/11	1305 / 1309	"	0.6	0.08	0.25	4.05	0.02		.5	5	0	"
955	7/25	1250 / 1254	"	0.6	0.08	0.38	4.04	0.03		.5	5	0	"
956	8/1	1520 / 1524	"	0.6	0.08	0.25	4.04	0.02		.5	5	0	"
957	8/8	1334 / 1337	"	0.3	0.04	0.25	4.05	0.01		.5	4	0	"

76D74M Gb 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, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	0.01	0.02	0.03	0.4	0.1	0.06	0.09	0.04	0.01	+	+
2		0.01	0.02	0.03	0.3	0.1	0.06	0.09	0.04	+		
3		0.01	0.03	0.03	0.3	0.09	0.06	0.09	0.04			
4		0.01	0.03	0.03	0.3	0.08	0.06	0.09	0.04			
5		0.01	0.03	0.03	0.2	0.07	0.06	0.09	0.04			
6		0.01	0.03	0.03	0.2	0.06	0.06	0.09	0.03			
7		0.01	0.03	0.03	0.1	0.05	0.06	0.09	0.03			
8		0.01	0.03	0.03	0.1	0.05	0.06	0.09	0.03			
9		0.01	0.03	0.03	0.1	0.05	0.06	v 0.3	0.03			
10		0.01	0.03	0.03	0.1	0.06	0.06	v 0.2	0.03			
11		0.01	0.03	0.03	0.1	0.06	0.06	0.08	0.03			
12		0.01	0.03	0.03	0.1	0.07	0.2	0.08	0.03			
13		0.01	0.03	0.03	0.09	0.07	0.4	0.08	0.03			
14		0.02	0.03	0.03	0.09	0.08	0.08	0.08	0.02			
15		0.02	0.03	0.03	0.09	0.08	0.08	0.08	0.02			
16		0.03	0.03	0.03	0.09	0.08	0.08	0.08	0.02			
17		0.03	0.03	0.04	0.09	0.08	0.08	0.08	0.02			
18		0.03	0.03	0.04	0.09	0.07	0.08	0.08	0.02			
19		0.03	0.03	0.04	0.09	0.07	0.08	0.07	0.02			
20		0.03	0.03	0.04	0.09	0.06	0.08	0.06	0.02			
21		0.03	0.03	0.04	0.09	0.06	0.08	0.05	0.02			
22		0.03	0.03	0.04	0.09	0.06	0.08	0.04	0.02			
23		0.03	0.03	0.04	v 0.1	0.06	0.08	0.04	0.01			
24		0.03	0.03	0.04	v 0.2	0.06	0.08	0.04	0.01			
25		0.03	0.03	v 0.1	0.1	0.06	0.08	0.04	0.01			
26	+	0.03	0.03	2.1	0.1	0.06	0.2	0.04	0.01			
27	0.01	0.03	0.04	4.5	0.1	0.06	0.3	0.04	0.01			
28	0.01	0.03	0.04	2.8	0.1	0.06	0.09	0.04	0.01			
29	0.01	0.03	0.04	1.4	0.1	0.06	0.09	0.04	0.01			
30	0.01	0.03	0.04	v 0.9		0.06	0.09	0.04	0.01			
31	0.01		0.04	0.4		0.06		0.04		+	+	+
	0.05	0.62	0.96	31.9	4.0	2.09	2.99	2.44	0.70	0.01		
MEAN	+	0.02	0.03	1.03	0.14	0.07	0.10	0.08	0.02	+	+	+
ACRE-FEET	0.1	1.2	1.9	63.	7.9	4.1	5.9	4.8	1.4	0.02	+	+

Remarks: + = LESS THAN 0.01 CFS

YEAR OR PERIOD MEAN 0.12
ACRE-FEET 90.

7537CK Gb 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, 1957

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	+	0.01	0.01	0.1	0.5	0.2	0.2	0.09	0.04	0.02	+
2	+		0.01	0.01	0.1	0.4	0.2	0.2	0.08	0.04	0.03	
3	+		0.01	0.01	0.1	0.3	0.2	0.2	0.08	0.04	0.03	
4	0.01		0.01	0.01	a 0.1	0.3	0.2	0.1	0.08	0.04	0.02	
5	+		v 0.03	0.03	a 0.1	0.2	0.2	0.2	0.08	0.03	0.02	
6			0.02	0.03	a 0.1	0.2	0.2	0.1	0.08	0.03	0.01	
7			0.02	0.03	0.1	0.2	0.1	0.1	0.09	0.02	0.01	
8			0.02	0.04	0.1	0.2	0.1	0.1	0.09	0.02	0.01	
9			0.02	0.03	0.1	0.8	0.1	0.1	0.09	0.02	0.01	
10			0.02	0.05	0.1	0.6	0.1	0.2	0.1	0.02	0.01	
11			0.02	0.05	0.09	0.5	0.1	0.2	0.1	0.02	0.01	
12			0.02	0.2	0.09	0.4	0.1	0.2	0.08	0.02	0.01	
13		+	0.02	2.5	0.09	0.3	0.1	c 0.2	0.07	0.02	0.01	
14		0.01	0.02	0.2	0.09	0.2	0.09	c 0.2	0.07	0.02	0.01	
15		0.01	0.02	0.08	0.09	0.1	0.09	c 0.2	0.07	0.02	0.01	
16		0.01	0.02	0.08	0.1	0.2	0.08	0.2	0.07	0.03	+	
17		0.01	0.01	0.08	0.1	0.2	0.1	0.2	0.06	0.03		
18		0.01	0.01	0.09	0.09	0.2	0.2	0.2	0.05	0.02		
19		0.01	0.01	0.09	0.00	0.2	0.2	0.6	0.05	0.02		
20		0.01	0.01	0.09	0.00	0.2	0.3	0.09	0.05	0.02		
21		0.01	0.01	0.09	0.08	0.2	0.3	0.2	0.06	0.03		
22		0.01	0.01	0.08	0.08	0.2	0.2	0.1	0.06	0.03		
23		0.01	0.01	0.07	1.4	0.2	0.2	0.1	0.05	0.03		
24		0.01	0.01	0.07	0.2	0.2	0.2	0.1	0.05	0.03		
25		0.01	0.01	0.07	0.08	0.1	0.2	0.1	0.05	0.03		
26		0.01	0.01	0.07	0.06	0.1	0.2	0.1	0.05	0.03		
27		0.01	0.01	0.08	0.07	0.1	0.2	0.1	0.05	0.03		
28		0.01	0.01	0.08	0.4	0.1	0.1	0.1	0.05	0.02		
29		0.01	0.01	0.08		0.1	0.2	0.1	0.04	0.02		
30		0.01	0.01	0.09		0.2	0.2	0.1	0.04	0.02		+
31	+		0.01	0.09		0.2		0.1		0.02	+	
	0.01	0.17	0.44	4.58	4.29	7.9	4.96	4.99	2.03	0.81	0.22	
MEAN	+	0.01	0.014	0.15	0.15	0.25	0.17	0.16	0.07	0.03	0.01	+
ACRE-FEET	.02	0.34	0.87	9.1	8.5	16.	9.8	9.9	4.0	1.6	0.44	+

Remarks: + = 0.01 CFS OR LESS

YEAR OR PERIOD MEAN 0.08
ACRE-FEET 60.6

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 SQ. MI.)

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: INSTALLED DECEMBER 15, 1955 OVER A 3 FT. X 3 FT. CONCRETE STILLING WELL. AN H.C.F. RECORDER WAS IN SERVICE FROM DECEMBER 15, 1955 TO SEPTEMBER 30, 1957.

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, 1957 AT PRESENT LOCATION.

EXTREMES OF DISCHARGE:
1955-56
MAXIMUM 523 SECOND-FEET JANUARY 26.
MINIMUM NO FLOW MOST OF YEAR.
1956-57
MAXIMUM 588 SECOND-FEET FEBRUARY 23.
MINIMUM NO FLOW MOST OF YEAR.
1932-57
MAXIMUM 1200 SECOND-FEET ESTIMATED MARCH 2, 1938.
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 MONROVIA STORM DRAIN

AT NEAR Peck 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.
50	1/25	1222 / 1232	STUNDEN-PHENIX	17.0	6.85	8.25	0.41	56.5		FLOATS	9	0	
51	1/25	1236 / 1250	" "	17.0	8.50	10.2	0.54	86.8		"	10	+.03	
52	1/26	0315 / 0332	" "	17.0	13.9	11.3	0.84	157.		.6	9	+.08	FC12
53	1/26	1300 / 1320	" "	17.0	27.9	14.7	1.63	411.		.6	10	-.02	"
54	2/23	1300 / 1305	STUNDEN	17.0	4.48	6.03	0.29	27.0		FLOATS	8	0	
55	4/12	0815 / 0825	"	17.0	7.36	7.69	0.40	56.6		"	5	0	
56	4/12	2005 / 2010	"	17.0	3.89	6.22	0.25	24.2		"	5	+.10	
57	4/26	1010 / 1015	"	17.0	2.08	3.17	0.16	6.6		"	5	-.03	
58	5/9	0813 / 0818	"	17.0	3.99	6.17	0.26	24.6		"	6	-.03	

DISCHARGE MEASUREMENTS OF MONROVIA STORM DRAIN

AT NEAR above Peck Road 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.	G. HT. CHANGE TOTAL	METER NO.
59	10-4	0745 / 0755	HOLLERON	17.0	3.11	7.46	0.21	23.2		FLOATS	7	0	
60	10/4	0810 / 0817	"	17.0	5.29	7.60	0.34	40.2		"	7	-.03	
61	1/5	0910 / 0915	HOLLERON-STUNDEN	17.0	3.20	5.53	0.22	17.7		"	8	-.02	
62	1/12	2200 / 2210	STUNDEN-HOLLERON	17.0	10.4	12.2	0.66	127.		"	7	+.01	
63	1/29	1425 / 1435	HOLLERON	17.0	1.87	3.74	0.14	7.0		"	7	-.01	FC48
64	2/23	0809 / 0819	HOLLERON-BROOK	17.0	15.9	13.0	1.10	206.		.6	7	-.34	FC34
65	2/23	0838 / 0850	" "	17.0	28.4	16.7	1.76	474.		.6	7	-.51	"
66	2/28	2316 / 2318	HOLLERON-HENSLEY	17.0	12.5	12.4	0.77	155.		FLOATS	5	-.08	

76D74M C&b 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F195-R

Daily discharge, in second-feet of MONROVIA STORM DRAIN at Peck 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	+	2.3	+				
2				0	0		+					
3				0	0							
4				0	0							
5				0	0							
6				0	0							
7				0	0	+		+				
8				0	0	0.1		2.4				
9				0	0	+		1.3				
10				0	0		0.3	0.8				
11				0	0		3.5	+				
12				+	0		21					
13				0	0		2.2					
14				0	0		+					
15			+	0	0							
16				0	0							
17				0	0							
18				0	0							
19				0	0							
20				+	0							
21				0	0							
22			+	+	0							
23			1.4	+	1.4							
24			3.9	+	1.2							
25			0.1	2.9	0.1		+					
26			+	1.58	+		7.3	+				
27			+	5.8			+					
28				0.9								
29			0	0.6	+							
30			0	3.5			+					
31			0	1.8		+						

NO RECORD - CONSTRUCTION

RECORDER INSTALLED 12/15

RECORDER STOPPED FOR SUMMER

RECORDER STOPPED FOR SEASON

			5.4	200.6	191	0.1	36.6	16.3				
MEAN			0.17	6.47	0.66	+	1.22	0.53				
ACRE-FEET			11.	398.	38.	0.2	73.	32.				

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.76
ACRE-FEET 552.

76D74M C&b 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F195B-R

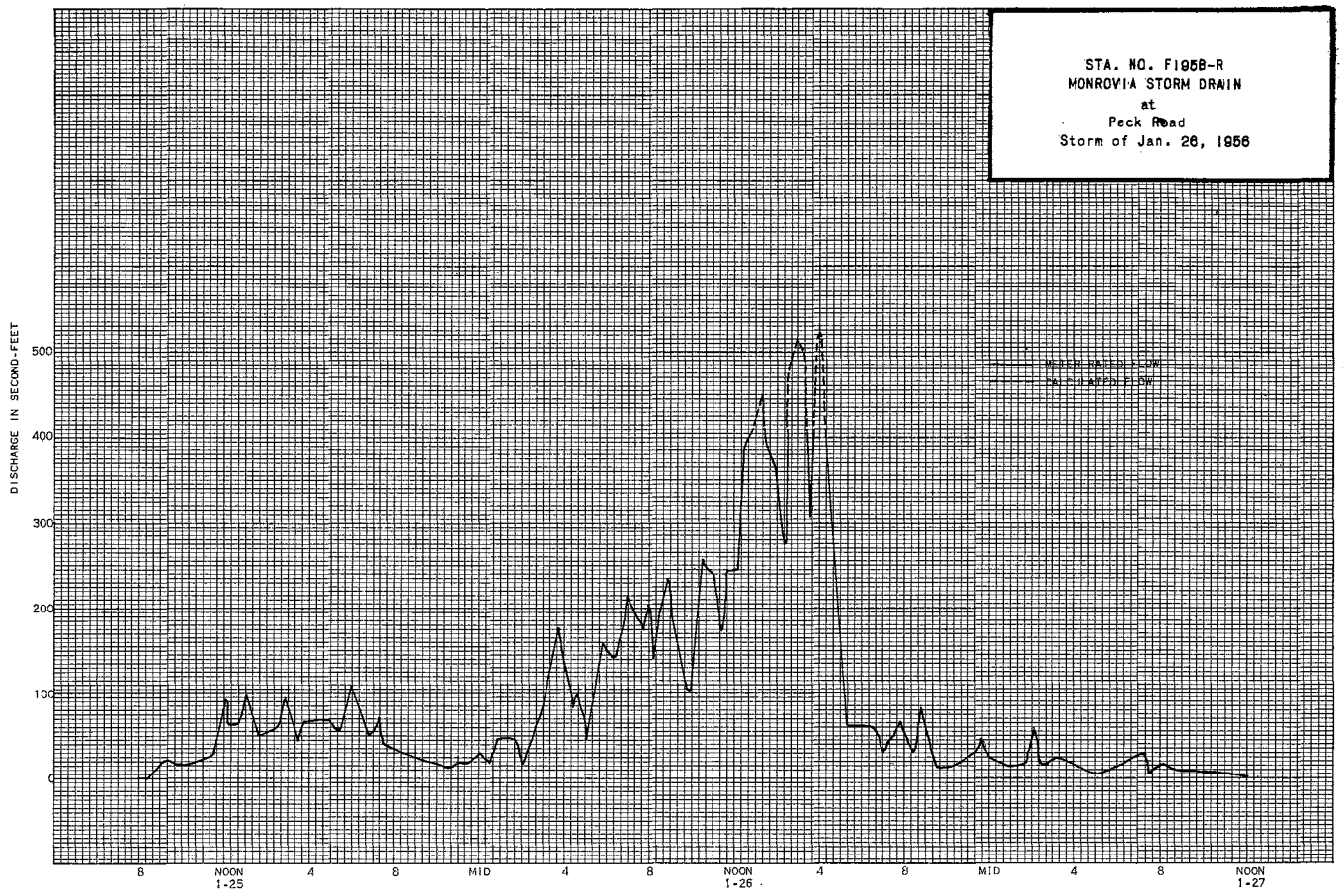
Daily discharge, in second-feet of MONROVIA STORM DRAIN above Peck Road, for the year ending September 30, 1957

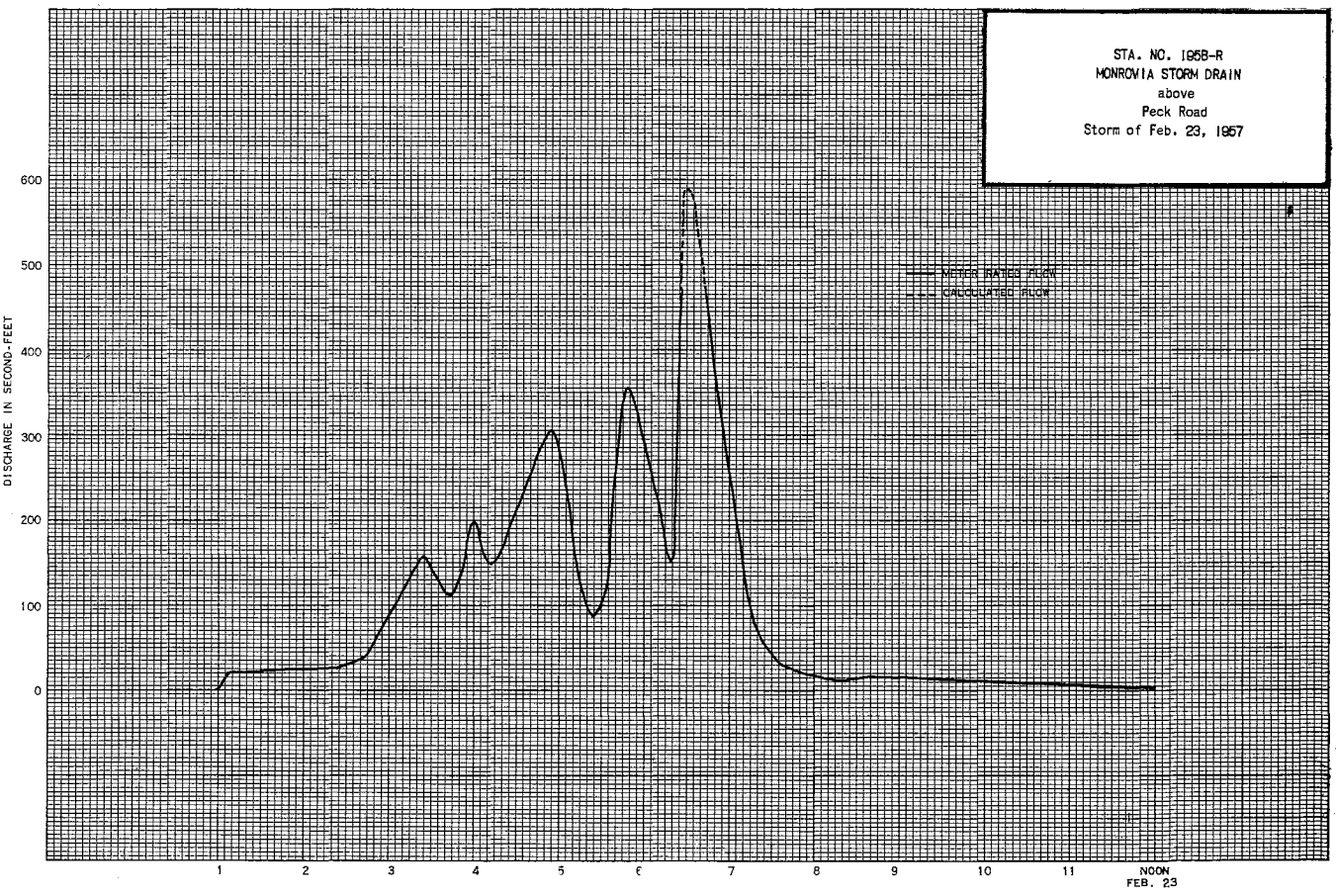
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	+	+	+	+	6.7	+	+	+			
2	+			+		0.1			+			
3	+			+		+			+			
4	5.0		+	2.0					0.3			
5	+		5.7	8.6					0.1			
6			0.7	+					+			
7			+	1.3					+			
8				+		+			+			
9				0.2		6.7			1.0			
10				8.1		0.1		+	3.9			
11				+		+		3.3	+			
12				2.1				+	+			
13				2.6				+	+			
14				+			+	3.4				
15						+	0.1	0.1				
16						9.3		+				
17						+	7.5	+				
18						0.1	2.5	1.3				
19				+		+	+	7.9				
20				3.7		+	13.9	+				
21				+		0.1	1.7	0.9				
22				+	+	+	+	+				
23				0.4	4.7							
24				1.0	+							
25				1.2								
26				3.1								
27	+			2.2	+							
28	0.2			0.6	2.5							
29	+			4.0								
30	+	+		0.1			+					
31	+		+	+		+		+				

	5.2	+	6.4	83.5	72.0	23.1	25.7	16.9	5.3	+	+	+
MEAN	0.17	+	0.21	2.70	2.57	0.75	0.86	0.55	0.18	+	+	+
ACRE-FEET	10.	+	13.	166.	143.	46.	51.	34.	11.	+	+	+

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.65
ACRE-FEET 474.


STA. NO. F195B-R
MONROVIA STORM DRAIN
at
Peck Road
Storm of Jan. 26, 1956
DISCHARGE IN SECOND-FEET
500
400
300
200
100
0
8
NOON
1-25
4
8
MID
4
8
NOON
1-26
4
8
MID
4
8
NOON
1-27


STA. NO. 195B-R
MONROVIA STORM DRAIN
above
Peck Road
Storm of Feb. 23, 1957
DISCHARGE IN SECOND-FEET
600
500
400
300
200
100
0
1
2
3
4
5
6
7
8
9
10
11
NOON
FEB. 23

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: INSTALLED JANUARY 21, 1932. REINSTALLED DECEMBER 9, 1954 OVER A 3 FT. X 3 FT. CONCRETE STILLING WELL. A STEVENS TYPE A35-B CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1955 TO SEPTEMBER 30, 1957.

REGULATION: NONE.

DIVERSIONS: NONE.

RECORDS AVAILABLE: JANUARY 12, 1932 TO AUGUST 5, 1954, DECEMBER 9, 1954 TO SEPTEMBER 30, 1957.

EXTREMES OF DISCHARGE:
1955-56
MAXIMUM 856 SECOND-FEET JANUARY 26,
MINIMUM PLUS FLOW AT VARIOUS TIMES.
1956-57
MAXIMUM 570. SECOND-FEET FEBRUARY 28,
MINIMUM PLUS FLOW AT VARIOUS TIMES.
1931-57
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~~ NEAR above Rio Hondo 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. REQ. NO.	G. HT. CHANGE TOTAL	METER NO.
172	11/21	1619 / 1617	WADDICOR-KESTEL	14.0	4.02	6.22	0.74	25.0		.6	8	-.05	EC37
173	2/23	1120 / 1130	WADDICOR	14.0	8.22	2.03	0.64	16.7		.5	10	-.02	"
174	2/23	1405 / 1415	"	14.0	9.86	2.06	0.80	20.3		.5	10	-.11	"
175	2/23	1545 / 1555	"	14.0	11.3	4.95	1.13	55.9		.6	10	.15	"

TSD74M Gab 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	0.1	0.1	16.0	0.1	0.2	+	5.1	+	0.2	+	0.3	0.5
2	0.1	0.1	0.8	0.1	0.2	0.1	0.2		0.2	+	0.2	0.4
3	0.1	0.1	0.1	0.1	0.2	+	0.1		0.1	+	0.5	0.2
4	0.1	0.1	12.6	+	0.1	+	+		0.1	0.1	0.5	0.2
5	0.1	0.1	0.3		0.1	0.1			0.2	0.1	0.2	0.2
6	0.1	0.1	0.1		+	+			0.2	0.1	0.2	0.3
7	0.1	0.9	+			0.1		+	0.1	0.1	0.2	0.4
8	0.1	0.1	+			0.1		1.0	0.2	0.1	0.5	0.2
9	0.1	0.1	+			0.2		2.5	0.1	+	0.5	0.1
10	0.1	0.1	0.1			0.2	+	+	0.1	0.1	0.4	0.2
11	0.1	0.1	0.1			0.2	5.1		+	0.3	0.3	0.4
12	0.1	0.1	0.1			0.2	107		0.1	0.5	0.4	0.4
13	0.1	0.1	0.1			0.1	29		0.1	0.5	0.5	0.2
14	0.1	44	0.1			+	0.7		0.1	0.4	0.4	0.3
15	0.1	0.1	+				+	+	0.1	0.2	0.4	0.2
16	0.1	0.1						0.2	0.1	0.2	0.3	0.2
17	0.1	4.0						+	0.1	0.5	0.5	0.5
18	0.1	0.1							0.2	0.4	0.5	0.8
19	0.1	0.1							0.2	0.5	0.4	0.6
20	0.1	0.1					+		0.2	0.5	0.5	0.2
21	0.1	37	+		+		0.1		0.2	0.5	0.5	0.2
22	0.1	0.4	0.1	+	0.1	+	0.1		0.2	0.4	0.5	0.4
23	0.1	0.1	3.4	3.2	27	0.1	0.1		0.2	0.3	0.5	0.3
24	0.1	0.1	3.4	0.2	2.3	0.1	0.1		+	0.5	0.6	0.3
25	0.1	0.1	4.7	2.8	+	0.1	+		+	0.5	0.5	0.3
26	0.1	0.1	0.1	463		0.1	45	+	0.1	0.5	0.4	0.4
27	0.1	0.1	0.1	54		0.2	0.9	0.1	0.1	0.5	0.5	0.4
28	0.8	0.1	0.1	0.3		0.2	0.1	0.1	0.1	0.4	0.5	0.5
29	0.2	0.1	+	0.2	+	0.2	+	0.2	0.1	0.1	0.6	0.4
30	0.1	0.1	+	9.4		0.2	+	0.2	0.2	0.1	0.6	0.3
31	0.1		0.1	11.4		0.2		0.2		0.1	0.8	
	3.9	88.8	42.4	640	30.2	2.7	193.6	27.0	3.9	8.7	13.7	10.0
MEAN	0.13	2.96	1.37	20.6	1.04	0.09	6.45	0.87	0.13	0.28	0.44	0.33
ACRE-FEET	7.7	176.	84.	1269.	60.	5.3	384.	54.	7.7	17.2	27.	20.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 2.90
ACRE-FEET 2110.

76D74M Cab 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F181-R

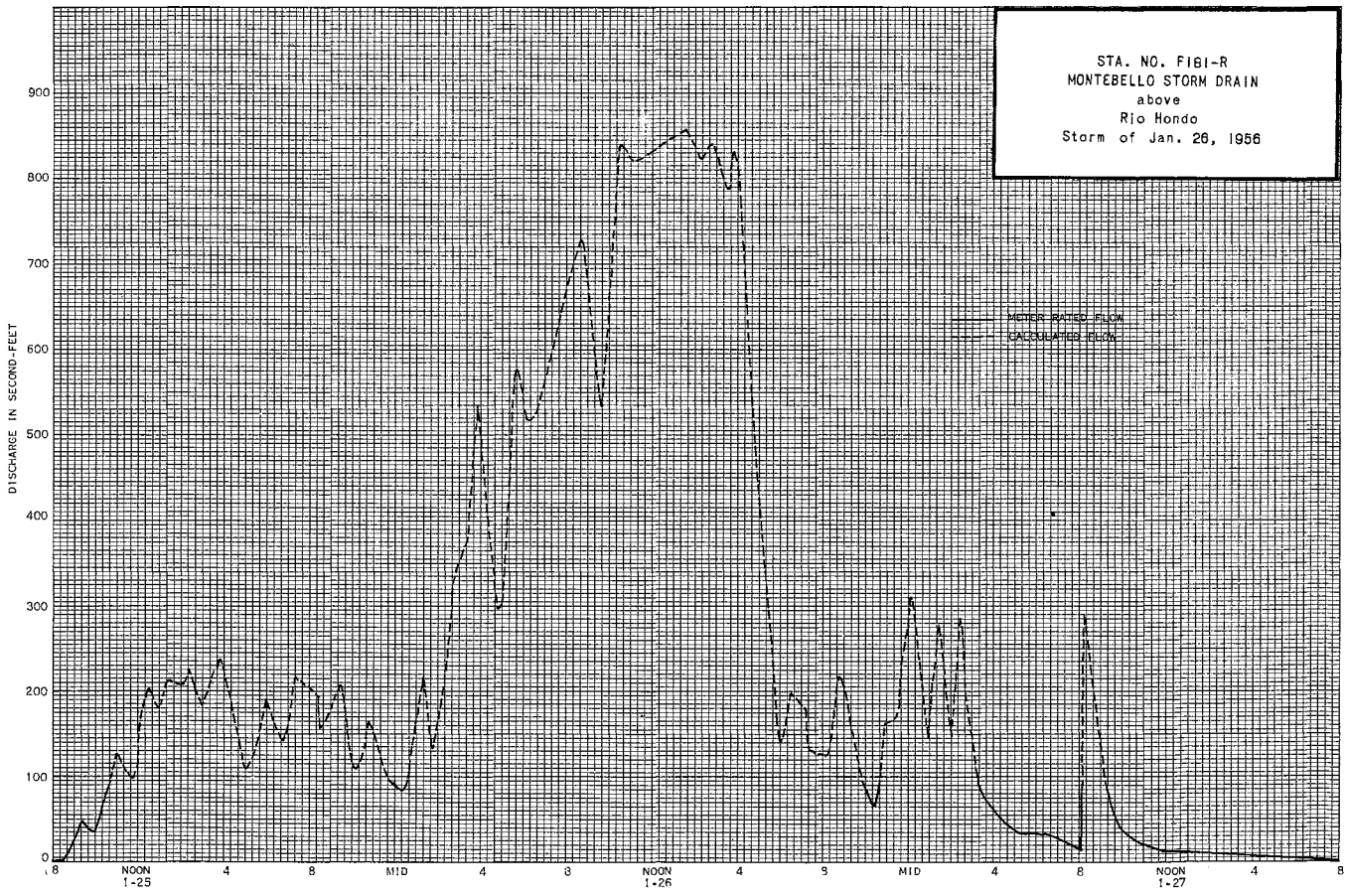
Daily discharge, in second-feet of MONTEBELLO STORM DRAIN above Rio Hondo, for the year ending September 30, 19

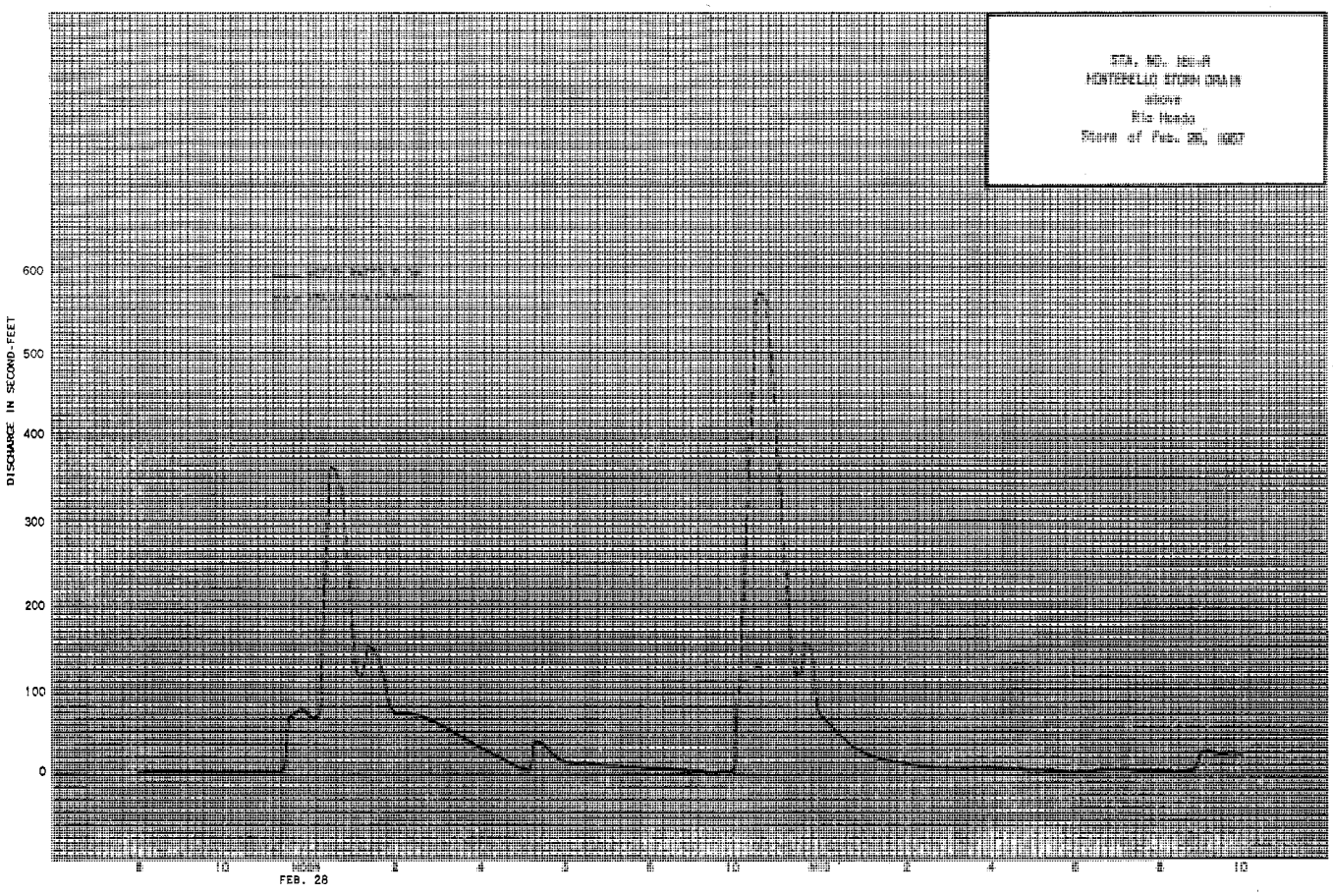
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.3	+	+	+	+	7.4	+	0.3	0.1	0.5	0.8	1.0
2	0.2	+	0.1	+		0.2	+	0.4	0.1	0.5	1.0	1.0
3	0.3	0.1	0.1	+		0.2		0.4	0.2	0.5	0.6	1.0
4	6.3	+	+	0.1		0.1	0.1	0.4	0.3	0.7	0.4	0.5
5	+		13.9	21		0.2	0.2	0.2	0.4	0.7	0.5	0.6
6			+	+		0.2	0.1	0.3	0.4	0.5	0.6	0.6
7		+	+	2.1		0.2	0.1	0.4	0.3	0.4	0.6	0.6
8		0.1		0.2		0.3	0.1	0.3	0.3	0.5	0.5	0.5
9		0.2		0.1		12.6	+	0.3	0.2	0.7	0.6	0.6
10		0.2		2.8		0.2	+	0.3	4.0	0.5	0.5	0.5
11		+		+		0.2	+	11.2	0.2	0.3	0.4	0.6
12				4.2		0.1	0.2	0.2	0.2	0.5	0.6	0.5
13				6.5		0.2	0.3	+	0.2	0.3	1.0	0.8
14				+	+	0.1	0.3	+	0.2	0.1	0.5	0.5
15					0.1	0.2	0.3	0.3	0.2	0.3	0.6	0.3
16					+	2.9	0.3	0.3	0.2	0.4	0.5	0.5
17						0.1	11.6	0.3	0.2	0.4	0.5	0.5
18			+			0.2	2.5	0.3	0.3	0.4	0.5	0.5
19			0.1	+		0.1	0.2	17.0	0.4	0.7	0.4	0.5
20			+	17.0		+	3.0		0.5	0.3	0.5	0.5
21							2.1	3.6	0.5	0.2	0.5	0.5
22		+		+	+		0.1	0.2	0.5	0.4	0.5	0.3
23		0.2		2.3	37		0.1	0.1	0.5	0.3	0.6	0.4
24		0.2		6.4	+		0.1	0.1	0.5	0.4	0.5	0.4
25		0.1	+	1.0	+		0.1	0.2	0.5	0.3	0.4	0.8
26		0.1	0.1	27	+	+	0.2	0.2	0.6	0.7	0.5	0.4
27		0.4	+	2.7	0.1	0.1	0.3	0.2	0.6	0.4	0.6	0.4
28		+	0.2	0.1	48	0.1	0.3	0.3	0.8	0.2	0.8	0.5
29		+	+	9.7		+	0.3	0.4	0.4	0.4	0.6	0.5
30		+	+	2.3		+	0.3	0.3	0.3	0.7	1.0	0.4
31	+	0.1	+	+		+		0.3		0.7	1.1	
	7.1	1.7	14.5	227.0	85.2	52.0	72.8	39.2	14.1	13.9	18.7	16.7
MEAN	0.23	0.06	0.47	7.32	3.04	1.68	2.43	1.26	0.47	0.45	0.60	0.56
ACRE-FEET	14.	3.4	29.	450.	169.	103.	144.	78.	28.	28.	37.	33.

Remarks:

+ = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 1.55
ACRE-FEET 1120.





STATION F118B-R

PACOIMA CREEK FLUME below Pacoima Dam

LOCATION: WATER-STAGE RECORDER, LAT. 34°20'07", LONG. 118°23'50", 4 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: INSTALLED AT STATION F118-R ON MARCH 24, 1933. REMOVED FEBRUARY 1, INSTALLED AT STATION F118B-R ON FEBRUARY 9, 1935; REMOVED APRIL 28, 1937. REINSTALLED JUNE 25, 1937. AN A.U. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1955 TO SEPTEMBER 30, 1957.

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, 1957.

EXTREMES OF DISCHARGE:

1955-56
MAXIMUM 66 SECOND-FEET MAY 17.
MINIMUM NO FLOW AT VARIOUS TIMES.

1956-57
MAXIMUM 47 SECOND-FEET MAY 7.
MINIMUM NO FLOW AT VARIOUS TIMES.

1916-29 (STATION U13-R)
MAXIMUM 1860 SECOND-FEET FEBRUARY 16, 1927.
MINIMUM NO FLOW AT VARIOUS TIMES.

1929-57 (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, 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.
644	5/9	1425	HYDE	90° "V" NOTCH		WEIR	0.29	0.12					
645	5/17	1000	"	"	"	"	1.35	5.3					
646	5/24	1612	"	"	"	"	1.33	5.1					
647	5/31	1635	"	"	"	"	1.33	5.1					
648	6/6	1818	"	"	"	"	1.32	5.0					
649	6/12	1140	"	"	"	"	1.32	5.0					
650	6/21	1530	"	"	"	"	1.31	4.9					
651	6/28	1512	"	"	"	"	1.26	4.5					
652	7/5	1620	"	"	"	"	1.26	4.5					
653	7/12	0928	"	"	"	"	1.26	4.5					
654	7/19	1500	"	"	"	"	1.25	4.4					
655	7/26	1545	"	"	"	"	1.25	4.4					
656	8/1	0835	"	"	"	"	1.25	4.4					
657	8/9	1550	"	"	"	"	1.23	4.2					
658	8/16	1600	"	"	"	"	1.23	4.2					
659	8/23	1520	"	"	"	"	1.22	4.1					
660	8/30	1606	"	"	"	"	1.22	4.1					
661	9/6	1620	"	"	"	"	1.33	5.1					
662	9/13	1547	"	"	"	"	1.32	5.0					
663	9/18	1230	BLAKELY	"	"	"	1.32	5.0					
664	9/26	0830	HYDE	'	'	'	1.8	3.8					

DISCHARGE MEASUREMENTS OF PACOIMA CREEK FLUME

~~AT~~ NEAR below Pacoima Dam DURING THE YEAR ENDING SEPTEMBER 30, 1957

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	10-3	0813	HYDE				1.15	3.6		"V" NOTCH		WEIR	
666	10/10	0920	"				1.21	4.0		"	"	"	
667	10/17	0830	"				1.20	4.0		"	"	"	
668	10/25	1600	"				1.18	3.8		"	"	"	
669	5/7	0625 / 0635	HYDE-BOWMAN	10.0	6.01	7.75	0.56	46.6		.6	12	0	FC58
670	5/7	0707 / 0722	" "	10.0	6.11	7.68	0.59	46.9		.6	12	0	"
671	5/7	1344 / 1259	HYDE-BARR	10.0	4.28	7.06	0.42	30.2		.6	12	0	"
672	5/8	1023 / 1040	" "	10.0	5.55	7.01	0.54	38.9		.6	12	0	"
673	8/1	1545	HYDE				1.30	4.9		"V" NOTCH		WEIR	
674	8/8	1542	"				1.30	4.9		"	"	"	
675	8/21	1110	"				1.30	4.8		"	"	"	
676	8/22	1635	"				1.31	4.9		"	"	"	
677	8/29	1610	BOWMAN				1.30	4.8		"	"	"	
678	9/5	1545	"				1.29	4.7		"	"	"	
679	9/12	1522	HYDE				1.30	4.8		"	"	"	
680	9/18	1006	"				0.27	0.1		"	"	"	

7501M C-5 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F118B-R

Daily discharge, in second-feet of PACOIMA CREEK FLUME below Pacoima Dam, for the year ending September 30, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	+	+	+	+	5.0	4.5	4.3	4.1
2	0	0	0	0					5.0	4.5	4.3	4.1
3	0	0	0	0					5.0	4.5	4.3	4.1
4	0	0	0	0					5.0	4.5	4.3	4.8
5	0	0	0	0					5.0	4.5	4.3	5.2
6	0	0	0	0		+			5.0	4.5	4.3	5.1
7	0	0	0	0		2.3			5.0	4.5	4.3	5.1
8	0	0	0	0		+			5.0	4.5	4.2	5.1
9	0	0	0	0					5.0	4.5	4.2	5.1
10	0	0	0	0					5.0	4.5	4.2	5.1
11	0	0	0	0					5.0	4.5	4.2	5.0
12	0	0	0	0					5.0	4.5	4.2	5.0
13	0	0	0	0					5.0	4.5	4.2	5.0
14	0	0	0	0					4.9	4.5	4.2	5.0
15	0	0	0	0					5.0	4.5	4.2	5.0
16	0	0	0	0				+	5.0	4.4	4.2	5.0
17	0	0	0	0				4.4	5.0	4.4	4.2	5.0
18	0	0	0	0				5.2	4.9	4.4	4.2	5.0
19	0	0	0	0				5.0	4.9	4.4	4.2	5.0
20	0	0	0	0				5.0	4.9	4.4	4.2	5.0
21	0	0	0	0				5.0	4.8	4.4	4.2	5.0
22	0	0	0	0				5.0	4.6	4.4	4.2	4.9
23	0	0	0	0				5.0	4.6	4.4	4.1	4.9
24	0	0	0	0				5.0	4.6	4.4	4.1	4.9
25	0	0	0	+				5.0	4.6	4.4	4.1	4.9
26	0	0	0					5.0	4.5	4.4	4.1	4.1
27	0	0	0					5.0	4.5	4.4	4.1	3.6
28	0	0	0					5.0	4.5	4.4	4.1	3.6
29	0	0	0		+			5.0	4.5	4.4	4.1	3.6
30	0	0	0				+	5.0	4.5	4.4	4.1	3.6
31	0		0	+		+		5.0		4.4	4.1	
	0	0	0	+	+	2.3	+	74.6	145.3	137.9	130.0	140.9
MEAN	0	0	0	0	+	.074	+	2.41	4.84	4.45	4.19	4.70
ACRE-FEET	0	0	0	+	+	4.6	+	148.	288.	274.	258.	279.

Remarks:
+ = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 1.72
ACRE-FEET 1250.

76D74M Gdb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F116B-R

Daily discharge, in second-feet of PACOIMA CREEK FLUME below Pacoima Dam, for the year ending September 30, 19 57

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3.6	0	0	0	0	0	0	0	+	+	3.8	4.8
2	3.6	0	0	0	0	0	0	0			5.0	4.7
3	3.6	0	0	0	0	0	0	0			5.0	4.8
4	3.6	0	0	0	0	0	0	0			5.0	4.7
5	3.6	0	0	0	0	0	0	0			5.0	4.7
6	3.5	0	0	0	0	0	0	0			5.0	4.7
7	3.5	0	0	0	0	0	0	2.8			5.0	4.8
8	3.5	0	0	0	0	0	0	2.7			4.9	4.8
9	3.4	0	0	0	0	0	0	+			4.9	4.7
10	3.6	0	0	0	0	0	0				4.9	4.4
11	4.0	0	0	0	0	0	0				4.9	4.8
12	4.0	0	0	0	0	0	0				4.9	4.8
13	4.0	0	0	0	0	0	0				4.9	4.7
14	4.0	0	0	0	0	0	0				4.9	4.6
15	4.0	0	0	0	0	0	0				4.9	4.7
16	4.0	0	0	+	0	0	0				4.9	2.0
17	4.0	0	0	0	0	0	0				4.9	0.3
18	4.0	0	0	0	0	0	0				4.9	0.1
19	3.9	0	0	0	0	0	0				4.9	+
20	3.9	0	0	0	0	0	0				4.9	0
21	3.8	0	0	0	0	0	0				4.9	0
22	3.9	0	0	0	0	0	0				4.9	0
23	3.9	0	0	0	0	0	0				4.9	0
24	3.9	0	0	0	0	0	0				4.9	0
25	3.8	0	0	0	0	0	0				4.9	0
26	3.6	0	0	0	0	0	0				4.8	0
27	4.0	0	0	0	0	0	0				4.8	0
28	4.1	0	0	0	0	0	0				4.8	0
29	4.0	0	0	0		0	0				4.8	0
30	1.3	0	0	0		0	0	+	+		4.8	0
31			0	0		0		+		+	4.8	
	111.6	0	0	+	0	0	0	55.0	+	+	150.8	73.1
MEAN	3.60	0	0	0	0	0	0	1.78	+	+	4.86	2.44
ACRE-FEET	221.	0	0	+	0	0	0	109.	+	+	299.	145.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 1.06
ACRE-FEET 774.

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.

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: RECORDER INSTALLED OCTOBER 30, 1953 OVER A 48 INCH DIAMETER CONCRETE STILLING WELL. A STEVENS TYPE A35B WAS IN SERVICE FROM OCTOBER 1, 1955, TO SEPTEMBER 1957.

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, 1955 TO SEPTEMBER 30, 1957.

EXTREMES OF DISCHARGE:
1955-56
MAXIMUM 622 SECOND-FEET JANUARY 26.
MINIMUM NO FLOW PART OF YEAR.
1956-57
MINIMUM 580 SECOND-FEET JANUARY 13.
MINIMUM NO FLOW PART OF YEAR.
1953-57
MAXIMUM 622 SECOND-FEET JANUARY 26, 1956.
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 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.
20	11/4	1045 / 1057	HYDE-TURNER	30.5	5.47	4.94		27.0		.6	13	0	FC43
21	11/21	1322 / 1330	" "	31.0	6.12	5.90		36.1		.5	12	0	FC35
22	1/25	1030 / 1055	HYDE	32.0	13.4	9.63		129.		.5 / .6	10	0	"
23	1/25	2205 / 2215	HYDE-BLAKE	30.0	3.44	3.26	0.33	11.2		.5	10	0	"
24	2/23	1340 / 1350	HYDE	8.0	0.77	3.51		2.7		.5	10	0	"

DISCHARGE MEASUREMENTS OF PACOIMA DIVERSION

AT NEAR Branford Street 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.	S. HT. CHANGE TOTAL	METER NO.
25	2/28	1000 / 1010	BROOK-HYDE	10.0	1.12	4.46	0.20	5.0		.5	7	0	FC35

7&DT4M Gib 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, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	+	24	0	+	+	26	+			+	+
2	0	+	04	0	0	02		0				
3	0	+	0	0	0	04	05	0				
4	+	0	18	0	+	10	04	0				
5	+	+	06	0		02	05	+				
6	05	+	15	0		02	+	+				
7	0	+	06	0		07		+				
8	0	0	+	0		13		48				
9	+	0	0	0		10	+	70				
10	+	0	0	02	+	03	0	+				
11	0	0	0	0	0	03	28	0				
12	0	+	0	0	+	01	80	+				
13	0	07	0	0	+	04	23	0				
14	+	36	+	0	0	+	06	+				
15	+	0	0	0	0	+	05	+				
16	+	0	0	+	0	03	03	+				
17	0	33	0	0	0	+	+					
18	0	0	0	0	0							
19	0	+	0	0	0							
20	0	+	0	57	0	+						
21	0	187	0	+	0	05	+					
22	0	+	+	+	08	08						
23	0	0	55	15	109	+	0	STOPPED FOR SUMMER				
24	0	0	20	+	06	04	0					
25	0	0	25	44	02	+	03					
26	0	+	60	194	02	+	72					
27	+	0	04	21	01	+	14					
28	+	0	0	+	01	06	+					
29		0	0	+	0	11	+					
30	0	0	0	152		11	0					
31	0		0	24		12						
	+		+							+		+
	05	587	615	2840	129	121	1246	118	+	+	+	+
MEAN	0.02	1.96	1.98	9.16	0.94	0.39	4.15	0.38	+	+	+	+
ACRE-FEET	1.0	116.	122.	563.	26.	24.	247.	23.	+	+	+	+

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 1.54
ACRE-FEET 1120.

7&DT4M Gib 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

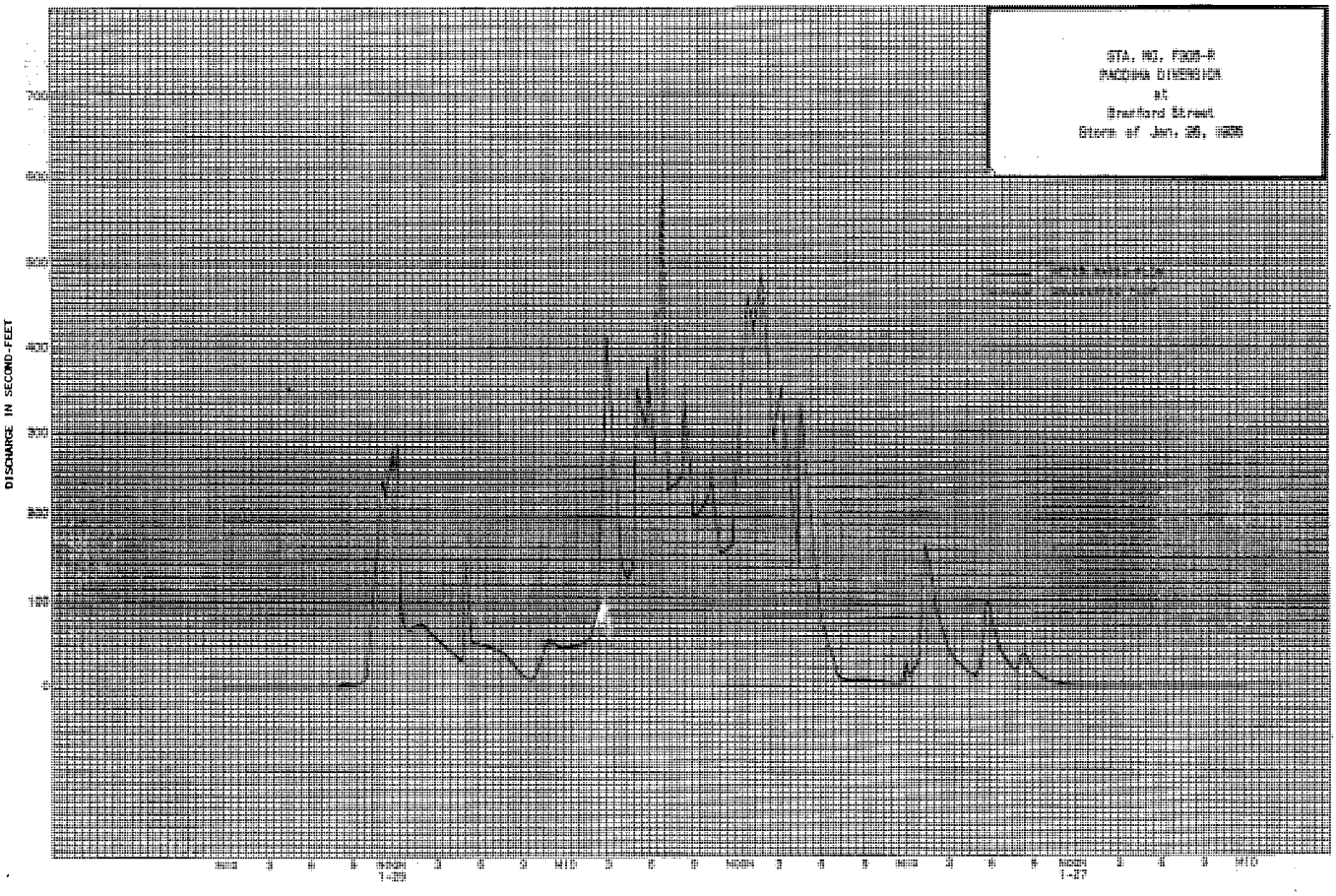
Sta. No. F305-R

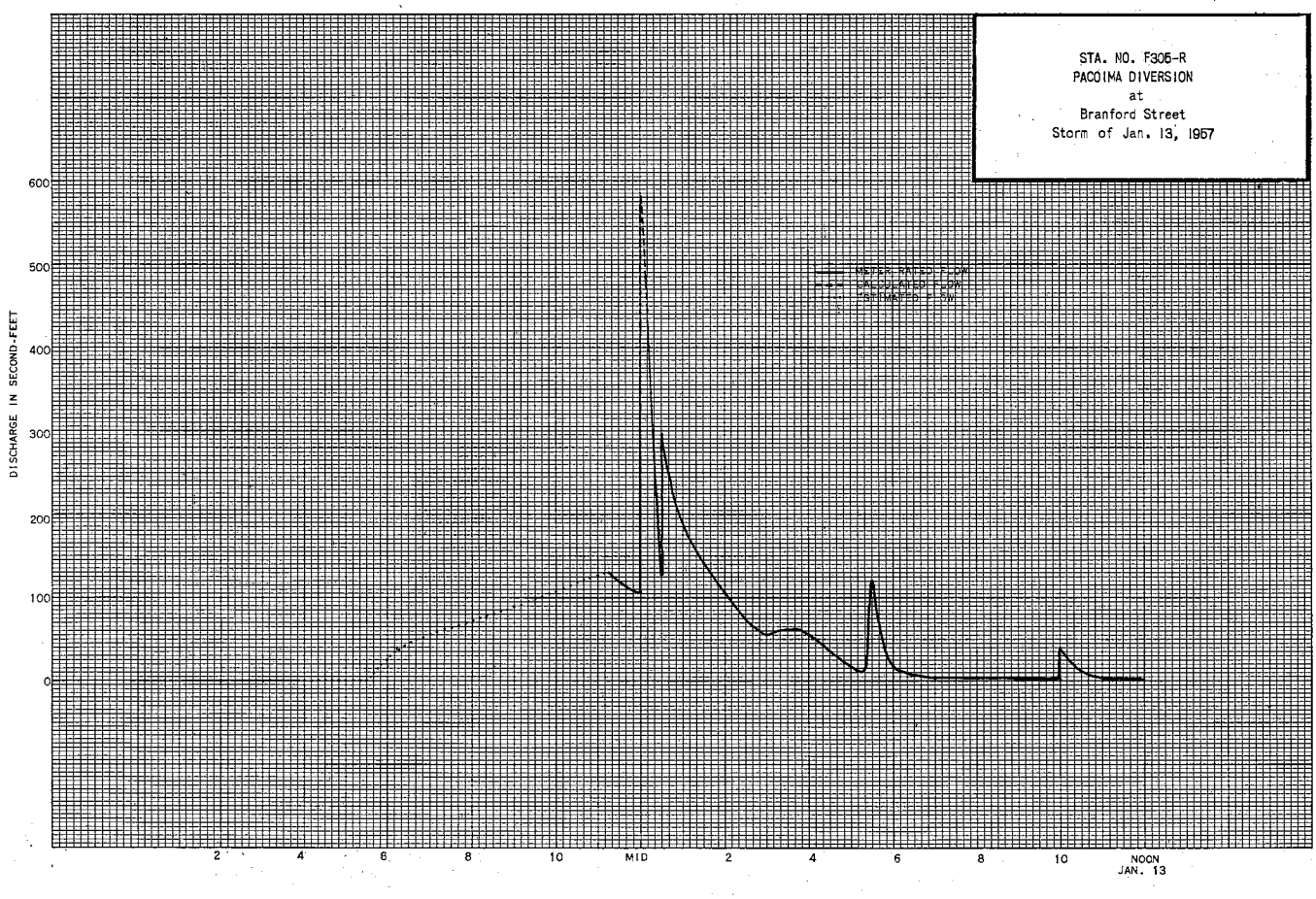
Daily discharge, in second-feet of PACOIMA DIVERSION at Branford Street, for the year ending September 30, 1957

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	0	01	0	0	25	+	03	01			
2	+	+	+	0	0	03	0	0	02			
3	+	+	0	0	+	0	+	0	01			
4	71	+	0	+	+	0	0	+				
5	+	+	73	57	0	0	02					
6		0	04	+	0	0	08					STOPPED FOR SUMMER
7		0	0	32	+	0	02					
8		+	0	+	89	+	01					
9	+		0		+	24	03	+				
10	0		+		+	+	02	33				
11	+		0	+	0	+	+	197				
12			0	a 25	+	0	+	03				STOPPED FOR SUMMER
13		+	0	30	+	0	01	01				
14		0	+	+	0	0	01	10				
15		+	0	0	+	01	01	+				
16	+		+	0	+	45	01	0				
17	0		+	0	03	+	129	+				0
18	0		0	0	+	0	123a	40				+
19	0		05	0	+	0	0	51				+
20	50		0	139	0	+	125	+				0
21	0		0	04	0	05	02	02				0
22	0		0	+	+	0	0	+				0
23	0	+	+	54	29	02	0	+				0
24	0	0	0	61	+	0	0	0				0
25	0	+	0	46	0	01	0	02				0
26	0	+	+	98	0	+	0	06				0
27	0	0	0	54	0	0	+	03				0
28	36	+	+	109	26	+	+	+				0
29	0	+	0	167		+	0	0				0
30	0	+	0	+			0	+				
31	+		0	+		+		+				
	157	+	83	1884	642	727	395	351	04	0	0	+
MEAN	0.51	+	0.27	6.08	2.29	2.35	1.32	1.13	0.01	0	0	+
ACRE-FEET	31.	+	16.	374.	127.	144.	78.	70.	0.8	0	0	+

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 1.16
ACRE-FEET 841.


STA. NO. F305-R
PACOIMA DIVERSION
at
Branford Street
Storm of Jan. 26, 1969
DISCHARGE IN SECOND-FEET
1-26
1-27


STA. NO. F305-R
PACOIMA DIVERSION
at
Branford Street
Storm of Jan. 13, 1967
METER RATED FLOW
CALCULATED FLOW
ESTIMATED FLOW
DISCHARGE IN SECOND-FEET
600
500
400
300
200
100
0
2
4
6
8
10
MID
2
4
6
8
10
NOON
JAN. 13

STATION F15-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: 51.5 SQUARE MILES.

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 FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM FOOTBRIDGE ON UPSTREAM SIDE OF VAN NUYS BOULEVARD BRIDGE.

RECORDER: INSTALLED OCTOBER 14, 1952 OVER A 3 FT. X 3 FT. STILLING WELL. AN H.C.F. RECORDER WAS IN SERVICE FROM OCTOBER 1, 1955 TO SEPTEMBER 30, 1957.

REGULATION: FLOW PARTIALLY REGULATED BY PACOIMA SPREADING GROUNDS.

DIVERSIONS: NONE.

RECORDS AVAILABLE: OCTOBER 14, 1952 TO SEPTEMBER 30, 1957. RECORDS FOR STATION F16-R, PACOIMA WASH AT PARTHENIA STREET, AVAILABLE FROM DECEMBER 26, 1928 TO SEPTEMBER 9, 1952.

EXTREMES OF DISCHARGE:
1955-56
MAXIMUM 285 SECOND-FEET JANUARY 26.
MINIMUM NO FLOW MOST OF YEAR.
1956-57
MAXIMUM 287 SECOND-FEET JANUARY 13.
MINIMUM NO FLOW MOST OF YEAR.
1952-57
MAXIMUM 785 SECOND-FEET NOVEMBER 15, 1952.
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 PACOIMA WASH
AT Van Nuys Boulevard 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.
37	11/21	1355 / 1403	HYDE - TURNER	22.0	2.61	2.26	2.90	5.9		.5	8	0	FC35
38	12/4	1012 / 1015	" "	22.0	3.83	4.28	2.98	16.4		.6	9	0	FC43
39	1/25	1239 / 1247	HYDE	26.0	16.6	4.23	3.23	70.3		.6	11	+.04	FC35
40	1/25	1618 / 1630	HYDE - BLAKE	27.0	22.0	4.64	3.31	102.		.6	12	-.02	"
41	1/26	0716 / 0742	" "	22.0	35.4	8.05	3.85	285.		.6	10	-.03	"
42	1/26	0802 / 0822	" "	22.0	35.2	7.26	3.82	256.		.6	10	0	"
43	2/23	1040 / 1055	HYDE	25.7	4.43	1.04	2.88	4.6		.5	14	0	"
44	4/12	0910 / 0925	HYDE - BLAKE	29.0	25.0	5.16	3.49	129.		.6	17	-.14	"
45	4/12	1630 / 1645	" "	28.0	17.8	3.28	3.23	58.3		.6	15	-.01	"
46	4/13	1300 / 1308	HYDE	3.4	0.55	0.44	0.79	0.24		.5	7	0	FC60
47	5/9	1134 / 1147	HYDE - BLAKE	24.0	5.85	1.16	2.95	6.8		.5	19	.02	FC35

DISCHARGE MEASUREMENTS OF PACOIMA WASH
AT Van Nuys Boulevard 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.	G. HT. CHANGE TOTAL	METER NO.
48	1/12	2005 / 2022	HYDE-SALGADO	26.0	18.7	4.23	3.27	79.1		.6	11	+.08	FC35
49	1/26	0350 / 0406	HYDE	27.5	14.5	3.35	3.14	48.6		.6	12	0	"
50	2/23	0721 / 0733	HYDE-FEIKER	27.0	20.7	3.70	3.26	76.6		.6	12	-.04	"
51	2/28	1455 / 1505	HYDE-BROOK	28.0	17.6	3.12	3.21	55.3		.6	12	-.06	"
52	3/16	0803 / 0812	HYDE	26.0	18.8	3.13	3.25	58.9		.6	11	-.01	"
53	4/17	2216 / 2234	HYDE-FEIKER	27.5	17.1	3.79	3.20	64.8		.6	14	0	"
54	4/18	1005 / 1020	HYDE	25.2	13.9	2.58	3.11	35.9		.6	11	-.01	"
55	4/18	1035 / 1047	"	25.0	11.3	2.04	3.05	24.1		.6	11	0	"
56	4/20	1512 / 1523	HYDE-FEIKER	22.0	5.62	2.42	3.02	13.6		.6	9	-.02	"

16DT6M Gb 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, 19 56

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	3.0	0	0	0.0	0	0				
2	0	0	+	0	0	0.0	0	0				
3	0	0	a 0	0	0	C	0	0				
4	0	0	f 7.2	0	0	C	0	0				
5	0	0	+	0	0	C	0	0				
6	0	0	0.5	0	0	C	0	0				
7	0	0	+	0	0	C	0	0				
8	0	0	0	0	0	C	0	0				
9	0	0	0	0	0	C	0	1.9				
10	0	0	0	0	0	0	0	0				
11	0	0	0	0	0	0	3.9	0				
12	0	0	0	0	0	0	5.7	0				
13	0	0.	0	0	0	0	2.3	0				
14	0	b +	0	0	0	0	0	0				
15	0	0	0	0	C	0	0	0				
16	0	0	0	0	C	0	0	0				
17	0	0	0	0	0	0	0	0				
18	0	0	0	0	C	0	0					
19	0	0	0	0	0	0	0					
20	0	0	0	0	0	0	0					
21	0	f 1.1	0	0	0	0	0					
22	0	0	0	0	0	0	0					
23	0	0	0	0	1.0	0	0					
24	0	0	0	0	0	0	0	STOPPED FOR SUMMER				
25	0	0	0.4	3.5	0	0	0					
26	0	0	2.3	16.9	0	0	+					
27	0	0	+	3.2	0	0	0					
28	0	0	0	0	0	0	0					
29	0	0	0	0	0	0	0					
30	0	0	0	3.6		0	0					
31	0		0	2.7		0						
	0	1.1	13.4	2135	1.0	0	632	1.9	0	0	0	0
MEAN	0	0.04	0.43	6.89	0.03	0	2.11	0.06	0	0	0	0
ACRE-FEET	0	2.2	27.	423.	2.0	0	125.	3.8	0	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.80
ACRE-FEET 583.

7HDT4M Gth 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, 19 57

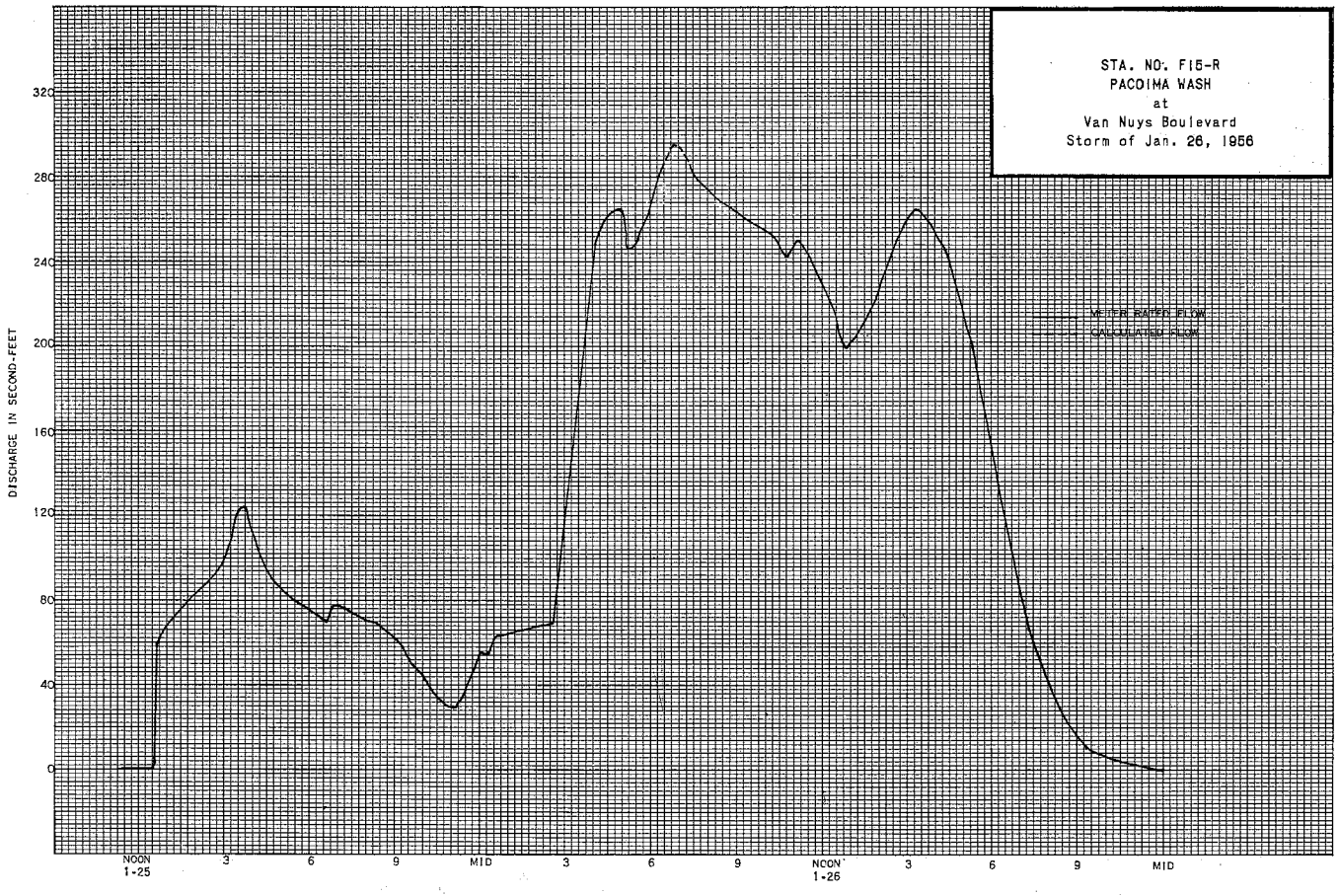
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	6.7	0	0	0			
2	0	0	0	0	0	0	0	0	0			
3	0	0	0	0	0	0	0	0	0			
4	0	0	0	0	0	0	0	0	0			
5	0	0	0	0.3	0	0	0	0				
6	0	0	0	0	0	0	0	0				
7	0	0	0	0.8	0	0	0	0				
8	0	0	0	0	0	0	0	0				
9	0	0	0	0	0	8.5	0	0				
10	0	0	0	0	0	.1	0	1.7				
11	0	0	0	0	0	0	0	2.9				
12	0	0	0	3.1	0	0	0	.6				
13	0	0	0	5.5	0	0	0	0				
14	0	0	0	0	0	0	0	0				
15	0	0	0	0	0	0	0	0				
16	0	0	0	0	0	1.7	0	0				
17	0	0	0	0	0	0	4.1	0				
18	0	0	0	0	0	0	.7.0	0				
19	0	0	0	0	0	0	0	4.8				
20	0	0	0	6.7	0	0	4.6	0				
21	0	0	0	0	0	0	0.3	0				
22	0	0	0	0.3	0	0	0	0				
23	0	0	0	1.2	2.2	0	0	0				
24	0	0	0	3.1	0	0	0	0				
25	0	0	0	0.5	0	0	0	0				
26	0	0	0	10	0	0	0	0				
27	0	0	0	3.6	+	0	0	0				
28	0	0	0	0	1.2	0	0	0				
29	0	0	0	12		0	0	0				
30	0	0	0	0		0	0	0				
31	0		0	0		0		0				
	0	0	0	124.5	34.0	32.3	16.0	36.1	0	0	0	0
MEAN	0	0	0	4.02	1.21	1.04	0.53	1.16	0	0	0	0
ACRE-FEET	0	0	0	247.	67.	64.	32.	72.	0	0	0	0

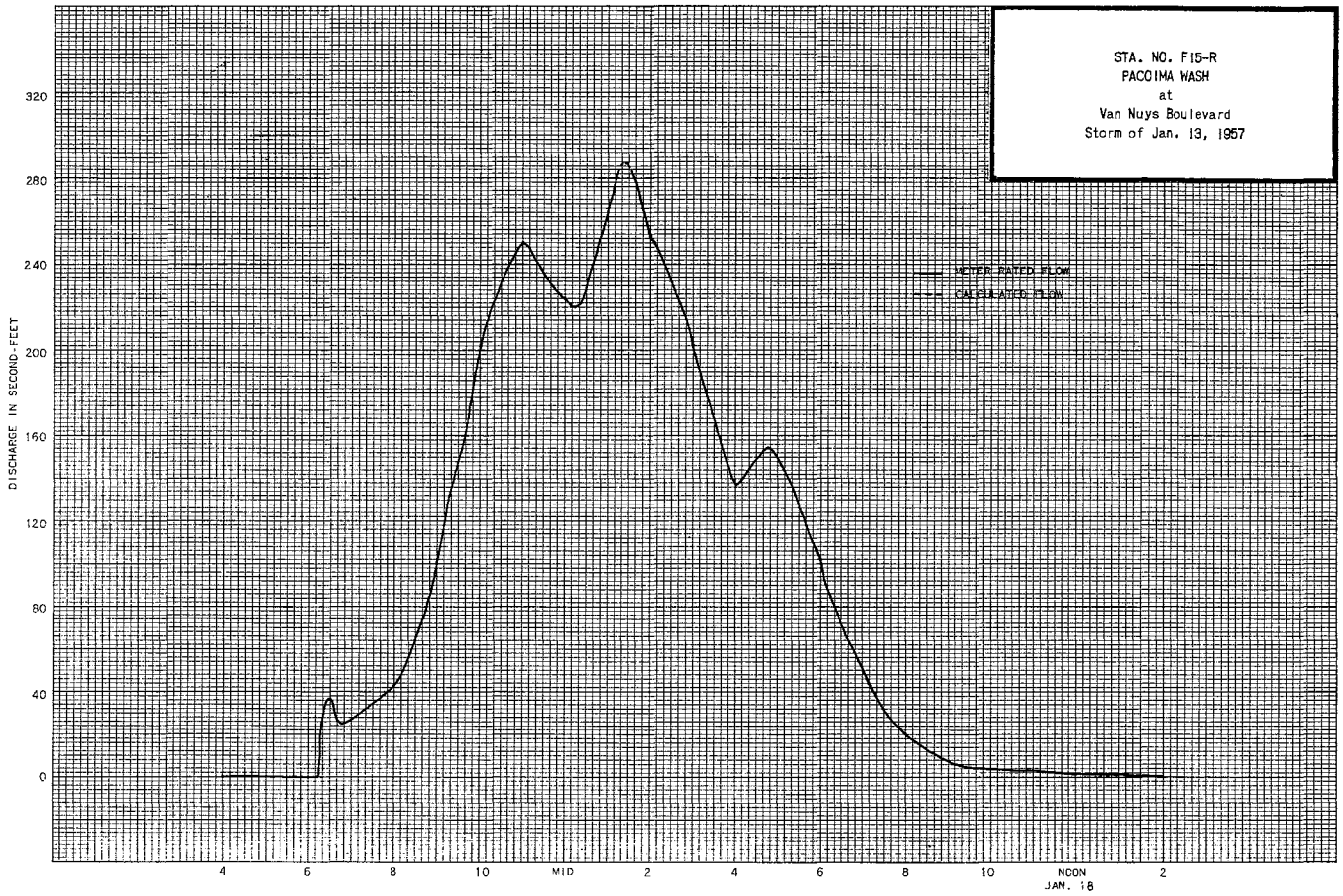
RECORDER STOPPED FOR SUMMER 6/4/57

RECORDER STOPPED FOR SUMMER

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.67
ACRE-FEET 482.





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 BY WADING. HIGH FLOWS MEASURED BY CABLE CAR, 200± FEET UPSTREAM FROM STATION.

RECORDER: INSTALLED SEPTEMBER 16, 1947 OVER A 24-INCH DIAMETER IRON PIPE STILLING WELL. AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1955 TO SEPTEMBER 30, 1957.

REGULATION: NONE. FLOWS OCCASIONALLY ORIGINATE FROM LOS ANGELES AQUEDUCT BLOWOFF.

DIVERSIONS: NONE.

RECORDS AVAILABLE: SEPTEMBER 9, 1947 TO SEPTEMBER 30, 1957. 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:

1955-56
MAXIMUM 523 SECOND-FEET JANUARY 26.
MINIMUM NO FLOW MOST OF YEAR.

1956-57
MAXIMUM 2030 SECOND-FEET FEBRUARY 28.
MINIMUM NO FLOW MOST OF YEAR.

1947-57
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 Ridge Route 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.
62	1/25	1524 / 1541	WHISLER-ROGERS		CHANNELS		2.13	24.1		.6	8	0	FC5
63	1/25	1557 / 1603	" "		"		2.02	23.4		.6	9	-.09	"
64	1/25	2047 / 2055	" "		"		1.87	17.8		.6	9	0	"
65	1/25	2320 / 2326	" "		"		1.92	18.6		.6	8	0	"
66	1/26	0325 / 0338	" "	49.0	39.8	5.12	2.42	204.		.6	11	+.05	"
67	1/26	0345 / 0356	" "	49.0	37.7	5.17	2.52	195.		.6	11	+.11	"
68	1/26	1156 / 1214	" "	51.0	63.8	7.08	3.21	452.		.6	12	-.02	"
69	1/27	1140 / 1156	" "		CHANNELS		2.07	22.0		.6	22	0	"
70	1/30	2213 / 2219	" "	4.5	1.24	1.94	1.85	2.4		.5	6	0	"
71	2/23	1459 / 1504	WHISLER	4.0	0.94	1.70	1.83	1.6		.5	8	+.02	FC59
72	2/23	1536 / 1542	"	4.5	1.18	2.88	1.88	3.4		.5	6	+.01	FC59
73	2/23	1855 / 1910	"		CHANNELS		1.87	5.8		.5	14	-.02	"
74	4/11	2136 / 2145	"	6.0	2.06	3.11	1.90	6.4		.6	6	+.04	"
75	4/11	2319 / 2330	"		CHANNELS		2.19	64.8		.6	8	+.02	FC5
76	4/12	0309 / 0318	"	21.0	7.71	2.97	2.03	22.9		.5 .6	11	-.04	"
77	4/12	0656 / 0706	"	21.0	9.49	3.46	2.06	32.8		.5 .6	11	+.06	"
78	4/12	1336 / 1349	"		CHANNELS		2.07	33.4		.5 .6	14	-.02	"
79	4/13	0929 / 0937	"	4.3	0.61	1.62	1.81	0.99		.5	10	0	FC59
80	4/26	0753 / 0805	"	10.0	1.97	1.68	1.86	3.3		.5	8	0	FC5
81	4/26	1228 / 1236	"	7.0	1.06	1.60	1.76	1.7		.5	8	0	"
82	5/9	0125 / 0143	"	30.5	11.6	3.55	1.91	41.2		.5 .6	13	+.22	"
83	5/9	0210 / 0230	"	44.0	20.4	4.03	2.23	82.2		.5 .6	14	-.02	FC5
84	5/9	0758 / 0811	"	45.0	25.0	4.12	2.27	103.		.5 .6	15	-.02	"
85	5/9	1053 / 1103		30.0	11.0	2.04	2.02	22.4		.5 .6	15	0	"

DISCHARGE MEASUREMENTS OF PLACERITA CREEK

AT Ridge Route Highway 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.	G. HT. CHANGE TOTAL	METER NO.
86	1/12	1940 / 1944	WHISLER-FEIKER	8.5	1.95	2.21	1.82	4.3		.5 .6	6	+.04	FC5
87	1/12	2133 / 2142	" "	45.0	20.9	3.23	2.22	67.6		.5 .6	11	+.02	"
88	1/13	0047 / 0100	" "	48.0	45.2	5.93	2.96	268.		.6	13	+.02	"
89	1/13	0506 / 0522	" "	44.0	25.0	4.27	2.52	107.		.5 .6	15	-.05	"
90	2/23	0456 / 0507	WHISLER	19.0	6.82	3.59	2.14	24.5		.5 .6	8	+.21	"
91	2/23	0527 / 0541	"	42.5	22.3	4.33	2.42	96.7		.6	12	+.02	"
92	2/23	0805 / 0812	WHISLER-BOWMAN	42.0	19.2	3.66	2.39	70.4		.6	12	-.04	"
93	2/28	1337 / 1343	WHISLER-MC BRIDE	40.5	20.8	4.02	2.36	83.6		.6	11	-.03	"
94	2/28	1418 / 1427	" "	39.0	18.9	3.88	2.30	73.3		.5 .6	13	0	"
95	2/28	1619 / 1627	" "	37.0	12.1	2.60	2.28	31.4		.6	12	-.03	"
96	2/28	1837 / 1845	" "	44.5	26.0	4.62	2.54	120.		.5 .6	12	+.23	"
97	2/28	1915 / 1930	" "	49.0	53.1	6.06	2.90	322.		.6	10	+.14	"
98	3/1	0036 / 0048	" "	49.5	45.3	5.65	3.11	256.		.6	13	-.08	"
99	3/1	1410 / 0422	" "	44.0	17.4	3.39	2.44	58.9		.6	12	0	"
100	3/1	1432 / 1436	" "	10.0	3.71	2.16	2.05	8.0		.5 .6	7	0	"
101	3/16	0747 / 0757	BOWMAN-WHISLER	8.0	2.25	2.58	1.96	5.8		.5	8	-.01	"
102	4/18	1051 / 1056	WHISLER	7.0	2.18	2.34	1.86	5.1		.5 .6	8	-.01	FC59
103	4/20	1625 / 1630	WHISLER-BOWMAN	6.8	2.41	2.70	1.93	6.5		.6	7	0	"

T6D74M C-b 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, 19 56

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	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	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
9	0	0	0	0	0	0	0	2.0	0	0	0	0
10	0	0	0	0	0	0	0	0.1	0	0	0	0
11	0	0	0	0	0	0	4.0	0	0	0	0	0
12	0	0	0	0	0	0	3.5	0	0	0	0	0
13	0	0	0	0	0	0	1.1	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	1.2	0	0	0	0	0	0	0
24	0	0	0	0	+	0	0	0	0	0	0	0
25	0	0	0	1.0	0	0	0	0	0	0	0	0
26	0	0	0	2.7.8	0	0	1.0	0	0	0	0	0
27	0	0	0	2.7	0	0	+	0	0	0	0	0
28	0	0	0	1.5	0	0	0	0	0	0	0	0
29	0	0	0	0.1	0	0	0	0	0	0	0	0
30	0	0	0	0.5		0	0	0	0	0	0	0
31	0		0	0.1		0		0		0	0	
	0	0	0	3.1.7.2	1.2	0	4.1.1	2.0.1	0	0	0	0
MEAN	0	0	0	10.2	0.04	0	1.37	0.65	0	0	0	0
ACRE-FEET	0	0	0	629.	2.4	0	82.	40.	0	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 1.04
ACRE-FEET 753.

74D74M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

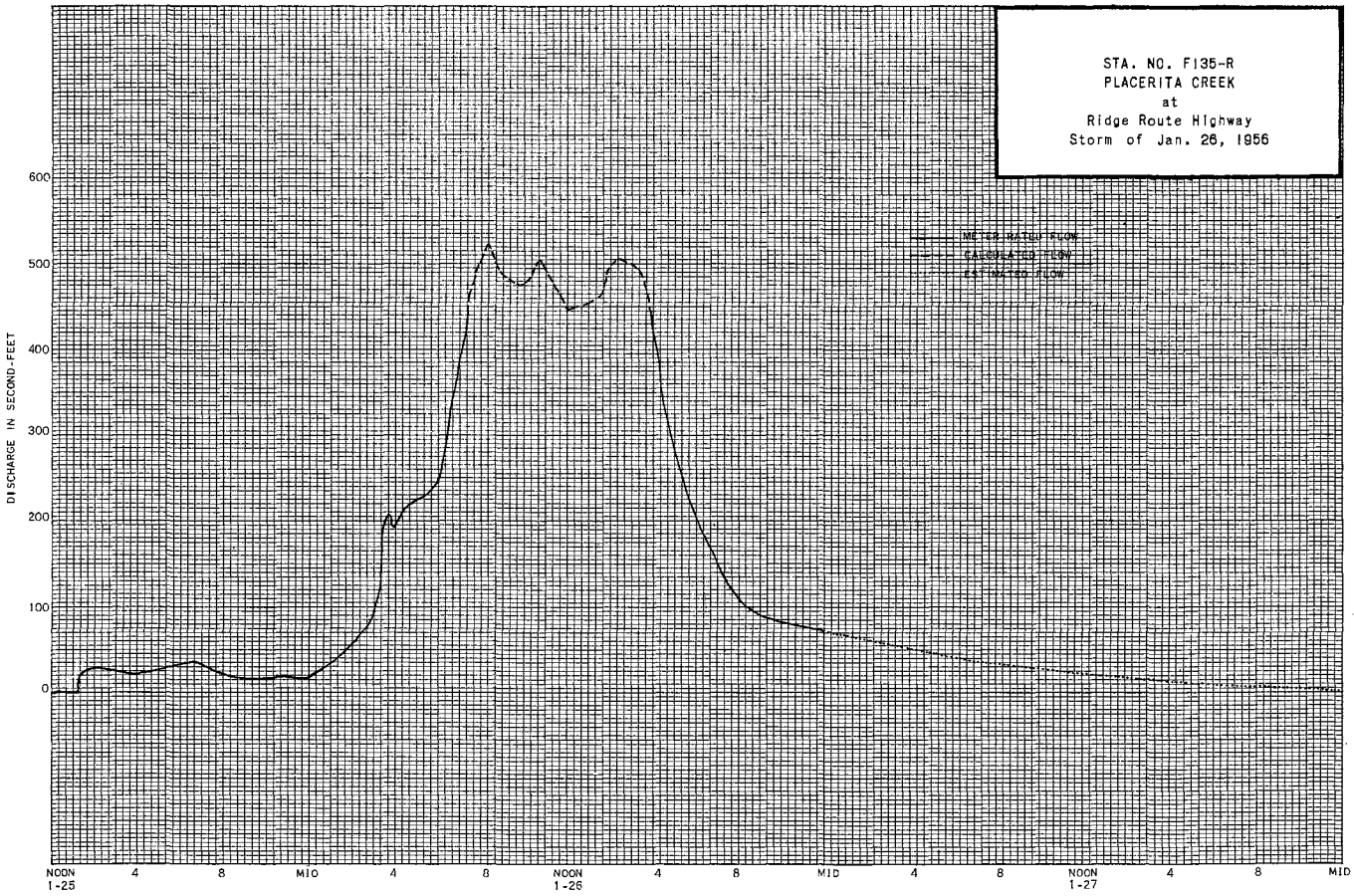
Sta. No. F135-R

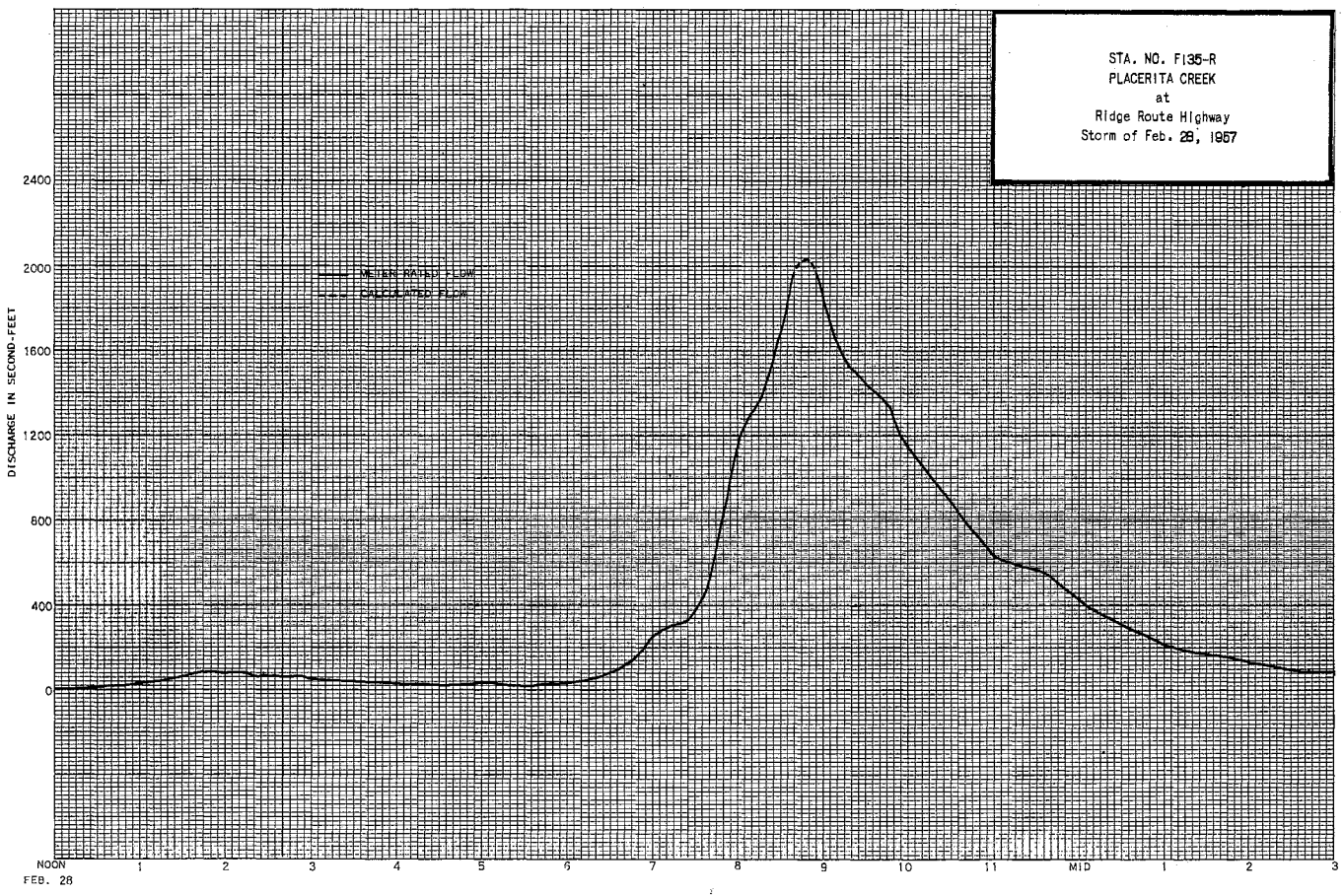
Daily discharge, in second-feet of PLACERITA CREEK at Ridge Route Highway for the year ending September 30, 1957

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	4.3	0	0	0			
2	0	0	0	0	0	0.6	0	0	+			
3	0	0	0	0	0	0.1	0	0				
4	0	0	0	0	0	+	0	0				
5	0	0	0	0.3	0	0	0	0				RECORDER STOPPED
6	0	0	0	0	0	+	0	0	+			
7	0	0	0	0	0	+	0	0				
8	0	0	0	0	0	+	0	0				
9	0	0	0	0	0	2.4	0	0				
10	0	0	0	0	0	0	0	0				RECORDER STOPPED
11	0	0	0	0	0	0	0	+	RECORDER STOPPED FOR SUMMER SOME PERIODIC IRRIGATION WASTE DURING SUMMER NOT CALCULATED.			
12	0	0	0	1.4	0	0	0	0				0
13	0	0	0	5.5	0	0	0	0				0
14	0	0	0	0	0	0	0	+				0
15	0	0	0	0	0	0	0	0				0
16	0	0	0	0	0	1.2	0	0				0
17	0	0	0	0	0	0	2.4	0				0
18	0	0	0	0	0	0	1.5	0				0
19	0	0	0	0	0	0	+	0.8				0
20	0	0	0	0.1	0	0	1.3	+				0
21	0	0	0	0	0	0	0	+				0
22	0	0	0	0	0	0	0	0				0
23	0	0	0	+	2.5	0	0	0				0
24	0	0	0	+	0	0	0	0				0
25	0	0	0	0	0	0	0	0				0
26	0	0	0	4.3	0	0	0	0				0
27	0	0	0	+	0	0	0	0				0
28	0	0	0	0	2.8	0	0	0				0
29	0	0	0	+		0	0	0				0
30	0	0	0	0		0	0	0				0
31	0		0	0		0	0	0				
	0	0	0	73.7	25.3	47.3	5.2	0.8	+	0	0	0
MEAN	0	0	0	2.38	8.73	1.51	0.17	0.03	+	0	0	0
ACRE-FEET	0	0	0	147.	5.03	94.	10.	1.6	+	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 1.04
ACRE-FEET 756.





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", 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 INSTALLED ON STILLING WELL IN WEIR BOX MOUNTED ABOVE PUDDINGSTONE DIVERSION CHANNEL USED FOR SAN DIMAS WATER COMPANY RELEASES TO PUDDINGSTONE RESERVOIR.

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 1953 TO SEPTEMBER 30, 1957.

EXTREMES OF DISCHARGE:
1955-56
MAXIMUM 6.6 SECOND-FEET SEVERAL DAYS IN OCTOBER.
MINIMUM NO FLOW MOST OF YEAR.
1956-57
MAXIMUM 3.1 SECOND-FEET JUNE 13.
MINIMUM NO FLOW MOST OF YEAR.

ACCURACY: EXCELLENT

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

76DT4M Cib 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F307-R

Daily discharge, in second-feet of PUDDINGSTONE DIVERSION CHANNEL- SAN DIMAS WATER COMPANY OUTLET at Juanita Ave, for the year ending September 30, 19 56

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3.86	0	0	0	0	0	0	0	0	0	0	0
2	4.02	0	0	0	0	0	0	0	0	0	0	0
3	3.24	0	0	0	0	0	0	0	0	0	0	0
4	1.67	0	0	0	0	0	0	0	0	0	0	0
5	1.55	0	0	0	0	0	0	0	0	0	0	0
6	1.43	0	0	0	0	0	0	0	0	0	0	0
7	4.26	0	0	0	0	0	0	0	0	0	0	0
8	6.62	0	0	0	0	0	0	0	0	0	0	0
9	6.62	0	0	0	0	0	0	0	0	0	0	0
10	4.14	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	0
31	0		0	0		0		0		0	0	
	37.41	0	0	0	0	0	0	0	0	0	0	0
MEAN	1.25	0	0	0	0	0	0	0	0	0	0	0
ACRE-FEET	74.2	0	0	0	0	0	0	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 0.10
ACRE-FEET 74.

76DT4M Cib 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F307-R

Daily discharge, in second-feet of PUDDINGSTONE DIVERSION CHANNEL-SAN DIMAS WATER COMPANY OUTLET at Juanita Avenue, for the year ending September 30, 19 57

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	0.3	0	0	0
10	0	0	0	0	0	0	0	0	2.1	0	0	0
11	0	0	0	0	0	0	0	0	3.0	0	0	0
12	0	0	0	0	0	0	0	0	3.0	0	0	0
13	0	0	0	0	0	0	0	0	3.0	0	0	0
14	0	0	0	0	0	0	0	0	2.0	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	13.4	0	0	0
MEAN	0	0	0	0	0	0	0	0	0.45	0	0	0
ACRE-FEET	0	0	0	0	0	0	0	0	27.	0	0	0

Remarks:

YEAR OR PERIOD MEAN 0.04
ACRE-FEET 27.

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.

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: INSTALLED DECEMBER 28, 1927 IN A CONCRETE HOUSE OVER A 3 FT. X 4 FT. CONCRETE STILLING WELL. AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1955 TO SEPTEMBER 30, 1957.

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 7TH 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, 1957.

EXTREMES OF DISCHARGE:
1955-56
MAXIMUM 389 SECOND-FEET SEPTEMBER 30.
MINIMUM 0.05 SECOND-FOOT IN JANUARY.
1956-57
MAXIMUM 414 SECOND-FEET APRIL 26.
MINIMUM 0.1 SECOND-FOOT VARIOUS DAYS OF EACH MONTH.
1929-57
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.

REMARKS: 50,760 ACRE-FEET OF ZONE 1 WATER IS INCLUDED IN THE 1955-56 RECORD AND 51,820 ACRE-FEET IN THE 1956-57 RECORD. THIS IS FOREIGN WATER.

DISCHARGE MEASUREMENTS OF PUDDINGSTONE CREEK

~~AT~~ 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.	D. HT. CHANGE TOTAL	METER NO.
897	10/20	1505 / 1512	MIDDLETON	1.3	0.13	0.62	1.52	0.08		.6	7	0	FC40
898	10/27	1030 / 1038	"	1.2	0.14	0.50	1.51	0.07		.6	6	0	"
899	10/31	0820 / 0843	MIDDLETON-WHISLER	36.5	25.4	2.31	2.21	58.8		.6	20	0	FC54
900	10/31	0846 / 0908	" "	36.5	26.0	2.35	2.21	61.2		.6	20	0	"
901	10/31	0910 / 0933	WHISLER-MIDDLETON	36.5	25.6	2.18	2.21	55.9		.6	20	0	FC5
902	10/31	0935 / 0957	" "	36.5	26.0	2.14	2.21	55.7		.6	20	0	"
903	10/31	1027 / 1056	MIDDLETON-WHISLER	37.5	40.1	2.44	2.48	98.0		.6	21	0	FC54
904	10/31	1057 / 1122	WHISLER-MIDDLETON	37.5	40.2	2.47	2.48	99.3		.6	20	0	FC5
905	10/31	1220 / 1248	MIDDLETON-WHISLER	39.0	50.7	2.92	2.71	148.		.6	21	0	FC54
906	10/31	1252 / 1320	" "	39.0	50.3	2.76	2.70	139.		.6	21	0	FC5
907	10/31	1415 / 1456	" "	39.0	57.2	3.43	2.84	196.		.6 / .2 / .8	20	0	FC54
908	10/31	1500 / 1543	WHISLER-MIDDLETON	39.0	57.3	3.38	2.86	194.		.6 / .2 / .8	20	-.02	FC5
909	11/1	0625 / 0715	MIDDLETON-WHISLER	40.0	70.4	3.56	3.16	251.		.6 / .2 / .8	22	+.01	FC54
910	11/1	0717 / 0757	" "	40.0	69.8	3.61	3.16	252.		.2 / .8	23	0	FC5
911	11/1	0855 / 0940	" "	40.7	82.7	3.80	3.42	314.		.6 / .2 / .8	23	0	FC54
912	11/1	0948 / 1038	" "	40.7	82.6	3.79	3.43	313.		.6 / .2 / .8	22	0	FC5
913	11/1	1305 / 1350	" "	45.0	84.3	4.04	3.58	341.		.6 / .2 / .8	23	0	FC54
914	11/1	1400 / 1445	" "	45.0	83.0	4.18	3.58	347.		.6 / .2 / .8	23	0	FC5
915	11/3	0830 / 0920	MIDDLETON-GARDNER	45.0	83.5	4.14	3.61	346.		.2 / .8	24	0	FC54
916	11/3	0940 / 1040	" "	45.0	82.4	4.19	3.61	345.		.6 / .2 / .8	24	0	"
917	11/4	1242 / 1415	BLAKELY-GARDNER	41.5	92.2	3.88	3.65	358.		.2 / .8	24	0	FC24
918	11/7	1048 / 1142	MIDDLETON-SADDORIS	41.5	87.6	3.97	3.62	348.		.6 / .2 / .8	24	0	FC54
919	11/7	1155 / 1243	SADDORIS-MIDDLETON	45.0	82.0	4.07	3.62	334.		.2 / .8	25	0	FC26
920	11/10	0832 / 0928	MIDDLETON SADDORIS	45.0	84.2	4.23	3.65	356.		.6 / .2 / .8	25	0	FC54
921	11/10	0930 / 1040	SADDORIS-MIDDLETON	45.0	85.9	4.12	3.65	354.		.6 / .2 / .8	25	0	FC40
922	11/14	1130 / 1207	MIDDLETON-KNIELING	43.5	57.1	3.48	3.09	199.		.6 / .2 / .8	24	0	FC54
923	11/14	1335 / 1410	" "	40.0	59.2	3.61	3.09	214.		.6 / .2 / .8	22	0	"
924	11/18	1615 / 1640	MIDDLETON-SADDORIS	38.5	35.3	3.03	2.62	107.		.6	22	+.01	"
925	11/18	1636 / 1700	SADDORIS-DE MARS	38.7	35.6	2.89	2.63	103.		.6	21	+.02	FC40
926	11/18	1650 / 1715	MIDDLETON-LINDSAY	38.5	36.0	3.06	2.63	110.		.6	22	+.01	FC54
627	11/18	1820 / 1902	" "	39.5	56.0	3.77	3.04	211.		.6 / .2 / .8	23	+.03	"
928	11/18	1830 / 1910	SADDORIS-DE MARS	39.5	56.0	3.71	3.06	208.		.6 / .2 / .8	23	+.02	FC40
929	11/18	1915 / 1953	MIDDLETON-LINDSAY	44.0	57.0	3.47	3.06	198.		.6 / .2 / .8	24	0	FC54
930	11/18	1921 / 1955	SADDORIS-DE MARS	44.0	57.6	3.35	3.06	193.		.6 / .2 / .8	24	0	FC40
931	11/19	0805 / 0905	MIDDLETON-LINDSAY	45.0	83.8	4.15	3.61	348.		.6 / .2 / .8	25	0	FC54
932	11/19	0915 / 1008	" "	40.5	82.9	4.21	3.61	349.		.6 / .2 / .8	23	0	"
933	11/21	1654 / 1701	MIDDLETON	0.8	0.24	0.92		0.22		.6	3	0	FC49
934	11/21	1850 / 1920	MIDDLETON-LINDSAY	42.0	25.3	2.43	2.34	61.4		.6	24	0	FC54
935	11/21	1921 / 1945	" "	36.5	26.5	2.32	2.34	61.6		.6	21	0	"
936	12/3	0816 / 0900	MIDDLETON	39.0	50.8	3.27	2.87	166.		.6 / .2 / .8	22	0	"
937	12/3	0904 / 0932	MIDDLETON-SADDORIS	43.0	45.9	3.53	2.87	162.		.6	24	0	"
938	12/3	0955 / 1035	SADDORIS-MIDDLETON	44.0	63.4	3.93	3.24	249.		.2 / .8	24	0	"
939	12/3	1045 / 1128	MIDDLETON-SADDORIS	44.0	64.6	3.85	3.24	249.		.6	25	0	"
940	12/5	1347 / 1412	MIDDLETON-KNEILING	43.5	52.4	3.66	2.99	192.		.6	23	0	"
941	12/5	1417 / 1443	" "	43.5	51.6	3.70	2.99	191.		.6	25	0	"
942	12/5	1540 / 1618	" "	45.5	73.4	4.03	3.43	296.		.6 / .2 / .8	24	-.01	"

DISCHARGE MEASUREMENTS OF PUDDINGSTONE CREEK

~~AT~~ NEAR below Puddingstone Dam DURING THE YEAR ENDING SEPTEMBER 30, 1957

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.
943	12/7	0850 / 0920	MIDDLETON-KNEILING	43.5	58.5	3.61	3.07	211.		.2/.8	23	0	FC54
944	12/7	0922 / 0958	" "	43.5	56.7	3.70	3.07	210.		.2/.8	24	0	"
945	12/12	0825 / 0915	MIDDLETON-WHISLER	45.0	84.9	4.30	3.65	365.		.2/.8	25	0	"
946	12/12	0924 / 1022	" "	45.0	84.6	4.18	3.65	354.		.2/.8	24	0	FC5
947	12/23	0725 / 0755	GODFREY	35.7	29.0	1.26	2.29	36.5		.6	21	0	FC28
948	12/23	0858 / 0911	"	34.5	21.8	0.85	2.06	18.6		.6	13	-.07	"
949	12/27	0955 / 0958	MIDDLETON-SADDORIS	1.2	0.24	0.21	1.69	0.05		.5	4	0	FC54
950	1/5	1105 / 1107	MIDDLETON	0.4	0.04	1.25	1.69	0.05		.6	3	0	FC49
951	1/19	1339 / 1341	"	0.6	0.04	1.25	1.69	0.05		.6	3	0	"
952	2/2	1319 / 1321	"	0.6	0.09	1.00	1.68	0.09		.6	3	0	FC54
953	2/9	1118 / 1122	"	0.9	0.06	1.00	1.67	0.06		.6	4	0	FC49
954	3/1	1602 / 1604	"	0.9	0.08	1.00	1.69	0.08		.6	4	0	"
955	3/5	1512 / 1516	"	1.2	0.16	0.50	1.70	0.08		.6	5	0	"
956	3/29	0824 / 0927	"	0.9	0.09	0.89	1.71	0.08		.6	4	0	
957	4/5	1022 / 1028	"	1.2	0.09	0.78	1.71	0.07		.6	6	0	"
958	4/19	0933 / 0937	"	0.9	0.15	0.47	1.71	0.07		.6	4	0	FC49
959	5/11	0749 / 0816	MIDDLETON-SJOSTEDT	42.0	28.3	1.61	2.34	45.5		.6	22	0	FC54
960	5/11	0821 / 0848	" "	42.0	29.0	1.63	2.34	47.3		.6	23	0	"
961	5/11	0850 / 0918	SJOSTEDT-MIDDLETON	42.0	27.7	1.55	2.34	43.0		.6	23	0	FC47
962	5/11	0952 / 1020	MIDDLETON-SJOSTEDT	43.0	52.1	2.40	2.77	125.		.6	23	0	FC54
963	5/11	1028 / 1058	SJOSTEDT-MIDDLETON	43.0	48.9	2.54	2.77	124.		.6	23	0	FC47
964	5/11	1143 / 1233	MIDDLETON-SJOSTEDT	44.0	73.7	3.38	3.27	249.		.2/.8	22	-.02	FC54
965	5/11	1240 / 1330	SJOSTEDT-MIDDLETON	44.0	76.3	3.32	3.27	253.		.2/.8	24	0	FC47
966	5/11	1426 / 1514	MIDDLETON-SJOSTEDT	44.5	96.1	3.79	3.70	364.		.6	22	0	FC54
967	5/11	1543 / 1645	SJOSTEDT-MIDDLETON	44.5	92.0	3.77	3.62	347.		.6	24	0	FC47
968	5/11	1655 / 1725	MIDDLETON-SJOSTEDT	44.5	91.3	3.77	3.62	344.		.6	22	0	FC54
969	5/12	0840 / 0924	" "	44.5	92.3	3.82	3.63	353.		.6	23	0	"
970	5/12	0943 / 1045	SJOSTEDT-MIDDLETON	44.5	92.7	3.74	3.63	347.		.6	24	0	FC47
971	5/14	0913 / 1018	STUNDEN-WHISLER	45.0	90.2	3.81	3.62	344.		.6	27	0	FC36
972	5/14	1025 / 1138	WHISLER-STUNDEN	45.0	88.2	3.92	3.62	346.		.6	27	0	FC32
973	5/16	1303 / 1352	MIDDLETON-HOLLERON	45.0	94.7	3.82	3.65	362.		.6	24	0	FC54
974	5/16	1406 / 1523	HOLLERON-MIDDLETON	45.0	96.2	3.70	3.65	356.		.6	24	0	FC34
975	5/18	0842 / 0940	SJOSTEDT-MIDDLETON	45.0	95.3	3.67	3.67	350.		.6	24	0	FC47
976	5/18	0951 / 1043	MIDDLETON-SJOSTEDT	45.0	94.6	3.88	3.67	367.		.6	24	0	FC34
977	5/21	0832 / 0937	WHISLER-SJOSTEDT	41.0	91.2	3.91	3.63	357.		.6	24	0	FC32
978	5/21	0950 / 1045	SJOSTEDT-WHISLER	41.0	90.1	3.85	3.63	347.		.6	22	0	FC47
979	5/24	1002 / 1030	MIDDLETON	41.0	26.8	1.93	2.31	51.7		.6	22	0	FC54
980	5/24	1032 / 1052	MIDDLETON-HERRIN	41.3	27.5	1.92	2.31	52.8		.6	22	0	"
981	5/24	1436 / 1440	MIDDLETON	1.2	0.14	0.64	1.53	0.09		.6	5	0	FC49
982	3/31	1142 / 1145	"	1.0	0.16	0.56	1.53	0.09		.6	4	0	"
983	6/14	0928 / 0932	"	0.8	0.13	0.69	1.58	0.09		.6	5	0	"
984	6/28	0745 / 0751	"	0.9	0.14	0.64	1.58	0.09		.6	5	0	"
985	9/17	0830 / 0836	"	1.0	0.19	0.74	1.68	0.14		.6	6	0	"
986	9/18	0704 / 0732	MIDDLETON-HOLLERON	39.7	23.1	2.08	2.20	48.0		.6	22	0	FC54
987	9/18	0740 / 0810	HOLLERON-MIDDLETON	39.7	22.2	2.02	2.20	44.8		.6	22	0	FC56
988	9/18	0857 / 0928	MIDDLETON-HOLLERON	41.0	46.0	2.82	2.75	130.		.6	22	0	FC54
989	9/18	0935 / 1010	HOLLERON-MIDDLETON	41.2	45.1	2.90	2.75	131.		.6	23	0	FC56
990	9/18	1045 / 1130	MIDDLETON-HOLLERON	43.0	65.2	3.53	3.20	230.		.6/.8	23	0	FC54
991	9/18	1140 / 1230	HOLLERON-MIDDLETON	43.3	64.2	4.15	3.20	226.		.6/.8	24	0	FC46
992	9/18	1308 / 1400	MIDDLETON-HOLLERON	45.0	88.3	3.96	3.65	349.		.6/.8	25	0	FC54
993	9/18	1604 / 1650	" "	45.0	89.4	3.84	3.65	343.		.6/.8	25	0	"
994	9/18	1655 / 1755	HOLLERON-MIDDLETON	45.0	88.1	3.89	3.65	343.		.6/.8	24	0	FC43
995	9/19	0910 / 0955	MIDDLETON-KNIELING	45.5	90.4	3.88	3.69	351.		.6/.8	25	0	FC54
996	9/19	1003 / 1050	" "	45.5	92.5	3.77	3.69	349.		.6/.8	25	0	"
997	9/20	0825 / 0913	MIDDLETON-BOWMAN	45.5	90.9	3.86	3.68	351.		.6/.8	25	0	"
998	9/21	0850 / 0947	MIDDLETON-FALCONE	45.5	95.4	3.90	3.79	371.		.6/.8	25	0	"
999	9/21	1010 / 1135	FALCONE-MIDDLETON	45.5	95.2	3.88	3.79	369.		.6/.8	24	0	FC26
1000	9/27	0815 / 0905	MIDDLETON-BOWMAN	45.5	95.3	4.07	3.78	387.		.6/.8	25	0	FC54
1001	9/27	0910 / 1010	BOWMAN-MIDDLETON	45.5	96.3	3.89	3.78	375.		.6/.8	24	0	FC6

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.
1002	10/1	1355 / 1445	MIDDLETON-FALCONE	46.0	95.9	4.01	3.75	385.		.6	25	0	FC54
1003	10/1	1500 / 1630	FALCONE-MIDDLETON	46.0	92.5	4.06	3.75	375.		.6	24	0	FC26
1004	10/4	1600 / 1630	MIDDLETON-FALCONE	42.5	64.8	3.33	3.09	216.		.6	23	0	FC54
1005	10/5	0810 / 0852	" "	44.0	74.1	3.67	3.29	272.		.6/.8	24	0	"
1006	10/5	0900 / 0955	FALCONE-MIDDLETON	44.0	73.3	3.82	3.29	280.		.6	24	0	FC26
1007	10/5	1042 / 1130	MIDDLETON-FALCONE	45.5	95.8	4.01	3.72	384.		.6/.8	25	0	FC54
1008	10/5	1140 / 1248	FALCONE-MIDDLETON	45.5	95.4	3.98	3.72	380.		.6	24	0	FC26
1009	10/8	0850 / 1035	MIDDLETON-FALCONE	45.5	95.7	3.82	3.67	366.		.6/.8	25	0	FC54
1010	10/11	0820 / 0915	" "	45.5	95.6	3.79	3.68	362.		.6/.8	25	0	"
1011	10/11	0920 / 1015	FALCONE-MIDDLETON	45.5	95.3	3.86	3.68	367.		.6/.8	24	0	"
1012	11/1	0830 / 0858	MIDDLETON-FALCONE	40.5	32.8	2.86	2.46	93.8		.6	22	0	FC54
1013	11/1	0905 / 0935	FALCONE-MIDDLETON	40.5	32.5	2.95	2.47	95.8		.6	22	0	FC26
1014	11/1	1015 / 1048	MIDDLETON-FALCONE	42.5	54.9	3.49	2.99	191.		.6	23	0	FC54
1015	11/1	1055 / 1123	FALCONE-MIDDLETON	42.5	56.2	3.61	2.99	203.		.2/.8	23	0	FC26
1016	11/1	1300 / 1400	MIDDLETON-FALCONE	45.5	91.9	3.98	3.72	366.		.2/.8	25	0	FC54
1017	11/1	1420 / 1530	FALCONE-MIDDLETON	45.5	91.9	4.08	3.75	375.		.2/.8	24	0	FC26
1018	11/5	0835 / 0935	HOLLERON-FALCONE	46.0	96.1	3.81	3.72	366.		.2/.8	26	0	FC34
1019	11/5	0955 / 1055	FALCONE-HOLLERON	45.5	95.8	3.81	3.72	365.		.2/.8	24	0	FC54
1020	11-18	0835 / 0928	MIDDLETON-THOMPSON	45.5	93.2	3.92	3.72	365.		.2/.8	25	0	"
1021	11/13	1420 / 1525	FALCONE-THOMPSON	46.0	93.6	3.93	3.74	368.		.2/.8	24	0	FC26
1022	12/12	0830 / 0855	MIDDLETON-HENSLEY	41.0	32.6	2.96	2.48	96.6		.6	22	0	FC54
1023	12/12	0835 / 0900	ROY-FALCONE	41.0	32.2	3.14	2.48	101.		.6	22	0	FC26
1024	12/12	0910 / 0945	HENSLEY-ROY	41.0	32.3	2.91	2.48	94.2		.6	22	0	FC54
1025	12/12	1020 / 1100	MIDDLETON-HENSLEY	44.0	65.0	3.70	3.18	240.		.6	24	0	"
1026	12/12	1025 / 1110	FALCONE-ROY	44.0	64.6	3.85	3.18	249.		.6	23	+.01	FC26
1027	12/12	1110 / 1155	ROY-HENSLEY	44.0	65.9	3.63	3.18	239.		.2/.8	24	0	FC54
1028	12/12	1315 / 1400	MIDDLETON-KNEILING	45.5	91.8	4.04	3.74	371.		.2/.8	24	0	"
1029	12/20	1215 / 1315	MIDDLETON-MC BRIDE	45.0	87.7	4.04	3.67	354.		.2/.8	24	0	"
1030	12/27	1505 / 1545	MIDDLETON-ROY	45.5	92.6	3.96	3.72	367.		.2/.8	24	0	"
1031	1/2	1100 / 1155	MIDDLETON-MC BRIDE	45.5	90.4	3.96	3.69	358.		.6/.8	24	0	"
1032	1/2	1240 / 1300	" "	41.0	36.3	2.48	2.44	90.		.6	22	0	"
1033	1/31	1530 / 1538	MC BRIDE-MIDDLETON	1.20	0.15	0.66	1.52	0.10		.5	7	0	FC49
1034	3/29	0630 / 0658	MIDDLETON-SARASUA	41.5	33.7	2.69	2.55	90.7		.6	22	0	FC54
1035	3/29	0702 / 0733	SARASUA-MIDDLETON	41.5	33.2	2.88	2.55	90.6		.6	23	0	FC43
1036	3/29	0830 / 0905	MIDDLETON-SARASUA	43.5	60.8	3.52	3.08	214.		.6/.8	23	0	FC54
1037	3/29	0910 / 0955	SARASUA-MIDDLETON	43.0	59.4	3.56	3.08	212.		.6/.8	23	0	FC43
1038	3/29	1053 / 1140	MIDDLETON-SARASUA	46.0	89.5	3.96	3.66	354.		.2/.8	25	+.02	FC54
1039	3/29	1150 / 1315	SARASUA-MIDDLETON	46.0	90.8	3.91	3.66	355.		.6/.8	25	0	FC43
1040	4/2	0845 / 1025	MIDDLETON-SARASUA	45.5	93.1	4.06	3.73	380.		.6/.8	24	0	FC54
1041	4/2	1035 / 1147	SARASUA-MIDDLETON	45.5	95.1	3.94	3.73	374.		.6/.8	24	0	FC43
1042	4/5	0832 / 0925	MIDDLETON-SARASUA	45.5	87.5	3.93	3.63	344.		.6/.8	24	0	FC54
1043	4/5	0922 / 1025	SARASUA-MIDDLETON	45.5	88.8	3.92	3.63	348.		.6/.8	24	0	FC43
1044	4/18	0415 / 0445	MIDDLETON-SARASUA	41.5	38.1	2.48	2.52	94.5		.6	23	0	FC54
1045	4/18	0455 / 0525	SARASUA-MIDDLETON	41.5	38.0	2.53	2.52	96.1		.6	22	0	FC43
1046	4/18	0610 / 0645	MIDDLETON-SARASUA	43.5	64.9	3.46	3.10	224.		.6/.8	24	0	FC54
1047	4/18	0650 / 0730	SARASUA-MIDDLETON	43.5	65.0	3.46	3.10	225.		.6/.8	23	0	FC43
1048	4/18	1413 / 1500	MIDDLETON-SARASUA	45.0	89.3	3.93	3.65	351.		.2/.8	24	0	FC54
1049	4/26	1250 / 1335	" "	45.5	88.6	3.94	3.62	349.		.2/.8	24	0	"
1050	4/26	1400 / 1420	" "	41.5	38.9	2.48	2.51	96.5		.2/.8	22	0	"
1051	4/26	1430 / 1450	" "	40.5	27.4	1.75	2.21	48.1		.6	22	0	"
1052	4/26	1500 / 1520	" "	40.0	20.8	1.20	2.02	25.0		.6	22	-.01	"
1053	4/26	1542 / 1600	" "	9.7	5.98	1.61	1.87	9.65		.6	19	0	"
1054	4/26	1620 / 1625	" "	2.90	0.62	1.14	1.62	0.71		.6	7	0	"
1055	5/9	0915 / 0920	" "	1.0	0.09	0.56	1.57	0.06		.6	5	0	FC49
1056	8/29	1333 / 1337	MIDDLETON	0.6	0.18	0.56	1.51	0.10		.6	4	0	"

76D74M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. FW0-R

Daily discharge, in second-feet of PUDDINGSTONE CREEK below Puddingstone Dam, for the year ending September 30, 19 56

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	b 0.05	295	182	0.05	0.09	0.08	0.07	0.07	0.09	0.09	0.09	0.1
2	0.05	347	322	0.05	0.09	0.08	0.07	0.07	0.09	0.09	0.09	0.1
3	0.05	347	296	0.05	0.09	0.08	0.07	0.07	0.09	0.09	0.09	0.1
4	0.05	353	38	0.05	0.08	0.08	0.07	0.07	0.09	0.09	0.09	0.1
5	0.05	353	143	0.05	0.08	0.08	0.07	0.07	0.09	0.09	0.09	0.1
6	0.05	353	190	0.05	0.07	0.08	0.07	0.07	0.09	0.09	0.09	0.1
7	0.05	350	254	0.05	0.07	0.08	0.07	0.07	0.09	0.09	0.09	0.1
8	0.05	350	356	0.05	0.06	0.08	0.07	0.07	0.09	0.09	0.09	0.1
9	0.05	353	353	0.05	0.06	0.08	0.07	0.07	0.09	0.09	0.09	0.1
10	0.1	356	358	0.05	0.06	0.08	0.07	0.07	0.09	0.09	0.09	0.1
11	0.05	356	364	0.05	0.06	0.08	0.07	1.88	0.09	0.09	0.09	0.1
12	0.05	353	363	0.05	0.06	0.08	0.07	3.48	0.09	0.09	0.09	0.1
13	0.05	334	363	0.05	0.06	0.08	0.07	3.45	0.09	0.09	0.09	0.1
14	0.05	171	362	0.05	0.06	0.08	0.07	3.45	0.09	0.09	0.09	0.1
15	0.05	353	362	0.05	0.06	0.08	0.07	3.53	0.09	0.09	0.09	0.1
16	0.05	353	362	0.05	0.06	0.08	0.07	3.50	0.09	0.09	0.09	0.1
17	0.05	3.2	362	0.05	0.06	0.08	0.07	3.48	0.09	0.09	0.09	0.1
18	0.06	82	362	0.05	0.06	0.08	0.07	3.59	0.09	0.09	0.09	1.95
19	0.07	344	361	0.05	0.06	0.08	0.07	3.53	0.09	0.09	0.09	3.46
20	0.08	341	362	0.05	0.06	0.08	0.07	3.53	0.09	0.09	0.09	3.48
21	0.08	175	363	0.05	0.06	0.08	0.07	3.48	0.09	0.09	0.09	3.66
22	0.08	344	364	0.05	0.06	0.08	0.07	3.46	0.09	0.09	0.09	3.74
23	0.08	341	22	0.05	0.07	0.08	0.07	3.53	0.09	0.09	0.09	3.69
24	0.08	341	0.1	0.05	0.07	0.08	0.07	1.47	0.09	0.09	0.09	3.74
25	0.08	341	0.05	0.4	0.07	0.08	0.07	0.09	0.09	0.09	0.09	3.73
26	0.08	347	0.05	1.26	0.07	0.08	0.07	0.09	0.09	0.09	0.09	3.82
27	0.08	344	0.05	2.6	0.08	0.08	0.07	0.09	0.09	0.09	0.09	3.78
28	0.08	341	0.05	0.6	0.08	0.08	0.07	0.09	0.09	0.09	0.09	3.75
29	0.08	346	0.05	0.4	0.08	0.08	0.07	0.09	0.09	0.09	0.09	3.73
30	b 0.08	350	0.05	0.09		0.08	0.07	0.09	0.09	0.09	0.09	3.96
31	1.06		0.05	0.09		0.08		0.09		0.09	0.09	
	10790	6864.45		1.99		2.10		45.3733	2.70		2.79	
		9417.2		17.98		2.48				2.79		4650.7
MEAN	3.48	314.	221.	0.58	0.07	0.08	0.07	146.	0.09	0.09	0.09	155.0
ACRE-FEET	214.	18680.	13620.	36.	3.9	4.9	4.2	9000.	5.4	5.5	5.5	9220.

Remarks:

YEAR OR PERIOD MEAN 70.0
ACRE-FEET 50800.

76D74M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. FW0-R

Daily discharge, in second-feet of PUDDINGSTONE CREEK below Puddingstone Dam, for the year ending September 30, 19 57

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3.78	209	0.1	360	0.1	0.1	369	0.1	0.1	0.1	0.1	0.1
2	3.81	372	0.1	186	0.1	0.1	375	0.1	0.1	0.1	0.1	0.1
3	3.78	370	0.1	0.1	0.1	0.1	363	0.1	0.1	0.1	0.1	0.1
4	2.90	368	0.1	0.1	0.1	0.1	352	0.1	0.1	0.1	0.1	0.1
5	3.13	366	0.1	0.1	0.1	0.1	361	0.1	0.1	0.1	0.1	0.1
6	3.67	368	0.1	0.1	0.1	0.1	356	0.1	0.1	0.1	0.1	0.1
7	3.68	368	0.1	0.1	0.1	0.1	362	0.1	0.1	0.1	0.1	0.1
8	3.69	366	0.1	0.1	0.1	0.1	354	0.1	0.1	0.1	0.1	0.1
9	3.64	372	0.1	0.1	0.1	0.1	369	0.1	0.1	0.1	0.1	0.1
10	3.64	370	0.1	0.1	0.1	0.1	370	0.1	0.1	0.1	0.1	0.1
11	3.68	366	0.1	0.1	0.1	0.1	367	0.1	0.1	0.1	0.1	0.1
12	2.48	372	2.15	0.1	0.1	0.1	271	0.1	0.1	0.1	0.1	0.1
13	0.1	372	377	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
14	0.1	377	375	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
15	0.1	375	370	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
16	0.1	377	366	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
17	0.1	375	363	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
18	0.1	361	361	0.1	0.1	0.1	2.27	0.1	0.1	0.1	0.1	0.1
19	0.1	370	359	0.1	0.1	0.1	345	0.1	0.1	0.1	0.1	0.1
20	0.1	370	354	0.1	0.1	0.1	2.11	0.1	0.1	0.1	0.1	0.1
21	0.1	244	360	0.1	0.1	0.1	221	0.1	0.1	0.1	0.1	0.1
22	0.1	0.1	361	0.1	0.1	0.1	266	0.1	0.1	0.1	0.1	0.1
23	0.1	0.1	356	0.1	0.1	0.1	349	0.1	0.1	0.1	0.1	0.1
24	0.1	0.1	363	0.1	0.1	0.1	364	0.1	0.1	0.1	0.1	0.1
25	0.1	0.1	361	0.1	0.1	0.1	368	0.1	0.1	0.1	0.1	0.1
26	0.1	0.1	356	0.1	0.1	0.1	2.11	0.1	0.1	0.1	0.1	0.1
27	0.1	0.1	361	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
28	0.1	0.1	361	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
29	0.1	0.1	362	0.1		2.32	0.1	0.1	0.1	0.1	0.1	0.1
30	0.1	0.1	359	0.1		3.52	0.1	0.1	0.1	0.1	0.1	0.1
31	0.1		358	0.1		3.52		0.1		0.1	0.1	
	41899	7488.9	7099.1	5.489	2.8	938.8	6831.9	3.1	3.0	3.1	3.1	3.0
MEAN	135.	250.	229.	17.7	0.10	30.3	228.	0.10	0.10	0.10	0.10	0.10
ACRE-FEET	8310.	14850.	14080.	1090.	5.6	1860.	13550.	6.1	6.0	6.1	6.1	6.0

Remarks:

YEAR OR PERIOD MEAN 74.3
ACRE-FEET 53780.

STATION F192-R
RIO HONDO at Lower Azusa Road

LOCATION: WATER-STAGE RECORDER, LAT. 34°05'33", LONG. 118°01'52", ON THE DOWNSTREAM SIDE OF THE LOWER AZUSA ROAD BRIDGE, ABOUT 1.5 MILES NORTH OF EL MONTE. ELEVATION OF ZERO GAGE HEIGHT, 285.37 FEET.

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: INSTALLED MARCH 29, 1932 OVER A 21-INCH DIAMETER CORRUGATED IRON PIPE STILLING WELL. AN A.U. CONTINUOUS RECORDER WAS IN SERVICE FROM DECEMBER 15, 1955 TO SEPTEMBER 30, 1957.

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 MONROVIA 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.
RECORDER RECORDS FROM MARCH 29, 1932 TO SEPTEMBER 30, 1957. (FOR RECORDS PRIOR TO MARCH 29, 1932, SEE STATE DIVISION OF WATER RIGHTS BULLETIN.)

EXTREMES OF DISCHARGE:
1955-56
MAXIMUM 3080 SECOND-FEET JANUARY 26.
MINIMUM NO FLOW PART OF YEAR.
1956-57
MAXIMUM 2270 SECOND-FEET FEBRUARY 23.
MINIMUM NO FLOW SEVERAL DAYS EACH MONTH.
1932-57
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.
730	11/14	0830 / 0840	WADDICOR-KESTEL	21.5	3.70	0.73	4.99	2.7		.6	9	0	FC37
731	11/17	1400 / 1405	" "	3.0	0.52	1.06	4.89	0.55		.5	6	0	"
732	11/21	1458 / 1507	" "	51.0	38.8	3.76	5.83	146.		.6	13	-.24	"
733	12/2	1042 / 1045	" "	1.4	0.14	0.28	4.65	0.04		.5	3	0	"
734	1/5	1408 / 1412	WADDICOR	2.5	0.42	0.76	4.83	0.32		.5	5	0	"
735	1/19	1323 / 1333	"	7.0	2.22	0.94	4.99	2.1		.5	8	0	"
736	1/25	1255 / 1301	WADDICOR-SADDORIS	41.0	22.4	3.18	5.49	71.3		.6	14	.08	"
737	1/26	0310 / 0323	" "	52.0	59.7	4.59	5.98	274.		.6	12	+.24	"
738	1/26	1938 / 1953	WADDICOR-KESTEL	68.0	88.6	4.99	6.21	442.		.6	10	+.02	"
739	1/30	1246 / 1300	" "	CHANNELS			5.98	312.		.6	12	0	"
740	1/31	1100 / 1110	" "		"		5.31	11.8		.6	16	0	"
741	2/2	1427 / 1444	WADDICOR		"		5.21	4.7		.6	18	-.01	"
742	2/16	1408 / 1418	"	7.0	2.19	1.00	5.18	2.2		.6	8	0	"
743	2/24	1030 / 1045	WADDICOR-SJOSTEDT	15.0	3.57	1.46	5.10	5.2		.6	12	0	"
744	3/22	1445 / 1450	WADDICOR	2.0	0.35	1.00	5.14	0.35		.5	5	0	"
745	5/3	1422 / 1424	"	1.0	0.19	1.05	5.03	0.20		.5	3	0	"

DISCHARGE MEASUREMENTS OF RIO HONDO

AT NEAR at Lower Azusa Road 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.	G. HT. CHANGE TOTAL	METER NO.
746	1/10	1215 / 1230	WADDICOR-ROY	15.0	4.08	1.30	5.40	5.3		.6	11	0	FC37
747	1/13	0005 / 0030	SADDORIS-FALCONE	75.0	113.	5.56	7.25	628.		.6	10	+.13 / -.13	FC55
748	1/14	1330 / 1333	WADDICOR	1.3	0.07	0.85	4.89	0.06		.5	3	0	FC37
749	1/24	1500 / 1510	WADDICOR-MC BRIDE	3.0	0.80	1.12	5.01	0.91		.5	7	-.01	"
750	2/28	1425 / 1434	FALCONE-SADDORIS	53.0	29.8	2.30	5.92	68.6		.6	12	-.05	FC55
751	3/1	1136 / 1142	WADDICOR-WOOD	9.5	5.44	1.14	5.22	6.2		.6	8	0	FC37
752	3/9	1637 / 1647	ROY-FALCONE	52.0	32.6	2.88	6.14	93.6		.6	11	-.28	FC51
753	3/9	1915 / 1925	FALCONE-ROY	CHANNELS			5.71	36.0		.6	11	-.15	"
754	3/16	0725 / 0933	ROY-FALCONE	61.5	61.4	4.17	6.58	256.		.6	14	-.25	"
755	3/16	1158 / 1105	" "	8.3	2.38	0.88	5.26	2.1		.6	8	-.06	"
756	4/13	1000 / 1020	WADDICOR-FALCONE	61.	57.4	4.15	6.34	238.		.6	14	+.05	FC37
757	4/16	1505 / 1523	WADDICOR-ROY	73.5	91.3	4.24	6.17	386.		.6	18	-.03	"
758	4/17	1131 / 1141	" "	39.0	23.5	2.60	4.95	61.0		.6	15	-.04	"
759	5/9	1416 / 1420	WADDICOR	4.0	1.47	1.16	4.31	1.7		.6	5	0	FC52
760	9/19	1505 / 1512	"	2.0	0.44	0.98	4.34	0.43		.5	5	0	"

75D74M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F192-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	7.2	0	7.8	+	0.5	0	0	0	0	0
2	0	0	2.0	0	3.6	0.3	0.2	0	0	0	+	0
3	0	0	+	0	1.7	0.2	0.8	b 0.2	0	0	+	0
4	0	0	4.0	+ b	0.1	0	0.6	0.1	0	0	0	0
5	0	0	+	0.1	0.1	0.2	0.2	+	0	0	0	0
6	0	0	0.1	+	0.1	0.2	0.2	0	0	0	0	0
7	0	0	0.1	+	0.1	+	0.1	0	0	0	0	0
8	0	0	0.1	0	0.1	0	0	0	0	0	0	0
9	0	0	+	+ b	0.1	0.1	0.1	4.2	0	0	0	0
10	0	0			0.6	0.2	+	0	0	0	0	0
11	0	0			0.3	0	3.0	0	0	0	0	+
12	0	0			0.4	0.5	4.7	0	0	0	0	
13	0	0			1.2	0.6	3.4	0	0	0	0	
14	0	3.3		+	1.4	0.6	0	0	0	0	0	
15	0	0		0	1.2	+	0	0	0	0	0	+
16	0	0		0	1.5	+	0	0	0	0	0	0
17	0	0.1	+	1.1	1.4	0.8	0	0	0	0	0	+
18	0	0	0	1.0	0	+	0	0	0	0	0	
19	0	0	+	0.5	0	+	+	0	0	0	0	
20	0	0		0.4	+	+	0.1	0	0	0	0	
21	0	2.9		0	+	0	+	0	0	0	0	
22	0	0		0	0	0.1	0	0	0	0	0	+
23	0	0	+	0	2.8	0.4	+	0	0	0	0	0
24	0	0	0.7	0.8	3.9	0.6	0.1	0	0	0	0	+
25	0	0	0.6	12.2	0	0	0.1	0	0	0	0	
26	0	0	0	10.20	0.0	0.4	2.2	0	0	0	0	
27	0	0	0	5.1	0.1	0.5	0	0	0	0	0	
28	0	0	+	3.1	0.1	0.3	0	0	0	0	0	
29	0	0	0.2	1.3	0.1	+	0	0	0	0	0	+
30	0	0	0.3	55.0		+	0	0	0	0	0	0
31	0			8.9		0.1		0		0	0	
	0	62.1	15.5	1233.0	53.9	6.1	58.6	4.5	0	0		
MEAN	0	2.07	0.50	4.14	1.86	0.20	1.95	0.14	0	0	+	+
ACRE-FEET	0	123.	31.	2540.	107.	12.	116.	8.9	0	0	+	+

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 4.05
ACRE-FEET 2940.

75D74M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

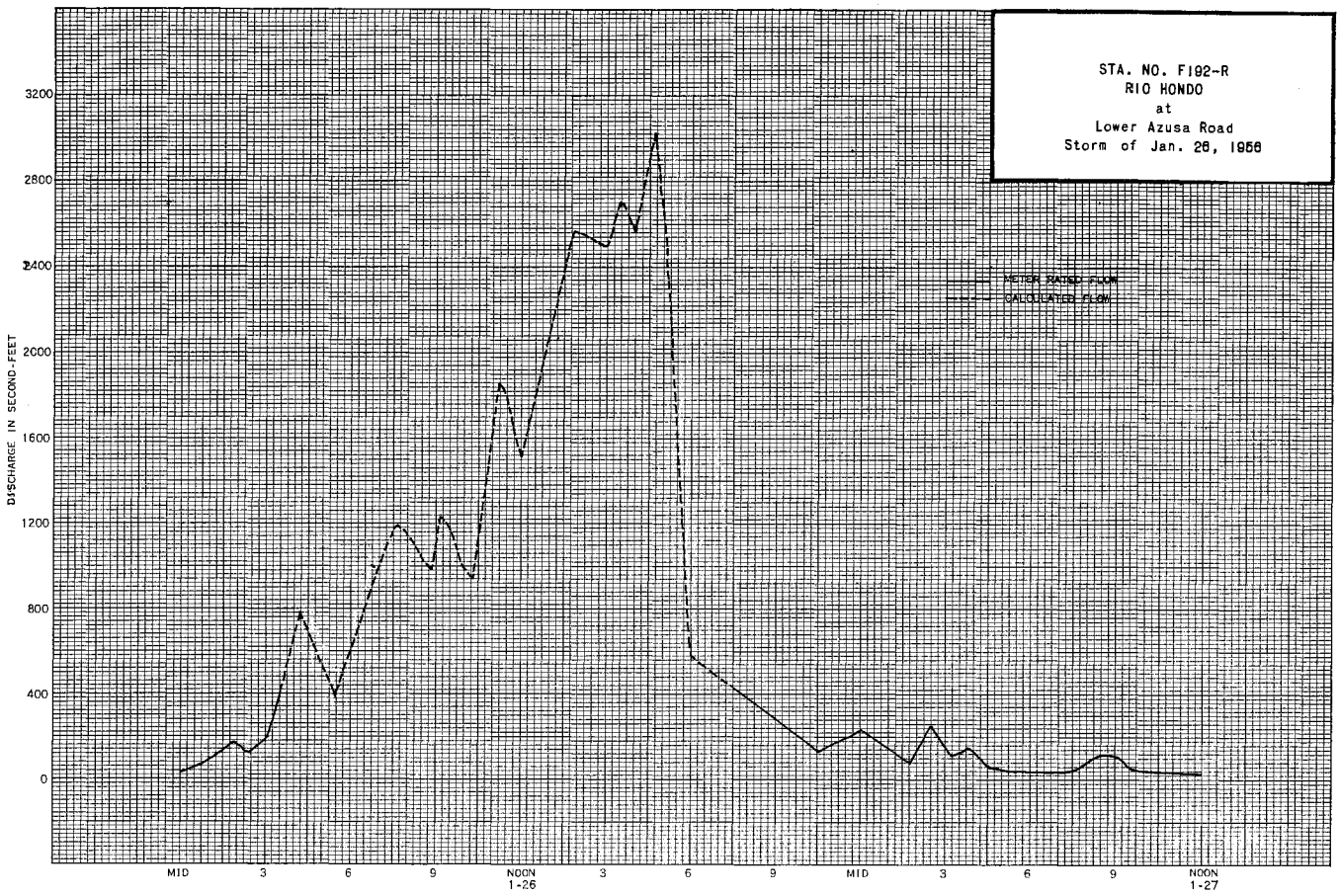
Sta. No. F192-R

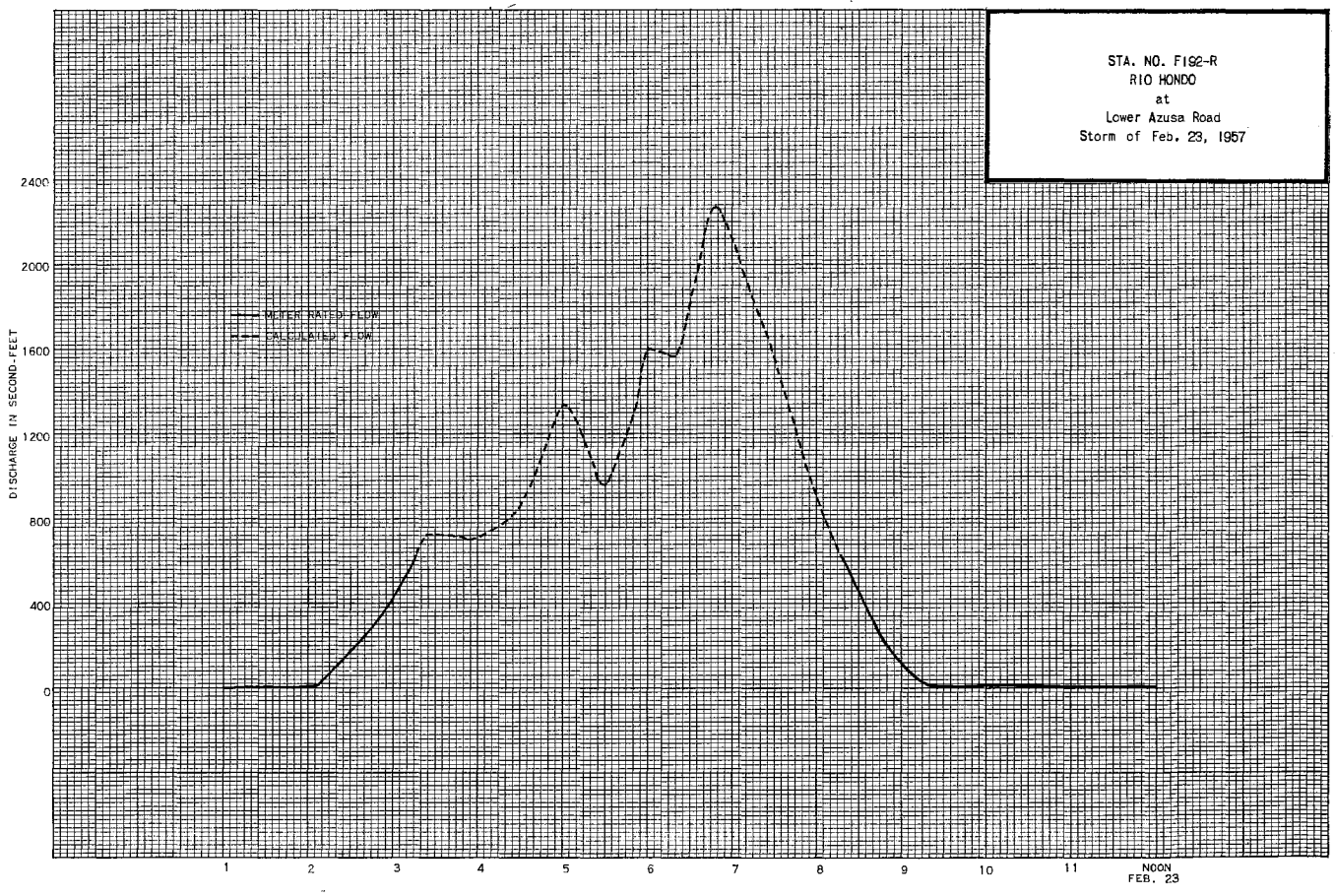
Daily discharge, in second-feet of RIO HONDO at Lower Azusa Road, for the year ending September 30, 19 57

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	+	+	+	+	33	+	+	+	+	+	0
2	+		0	+	+	+			0	+	+	0
3	+		+		0				+	+	0	+
4	3.4		+	+	+					0	0	
5	0		6.6	15.7						0	+	
6	0		+	+						0		+
7	0			8.1						0		0
8	0			+		+				0		0
9	0			4.6	+	14			+	+	+	+
10	0	+		3.2	0	+		+	+		0	
11	0	0		+	+		+	0.5			0	
12	+	+		50			+	+			+	
13				148			180	+				
14				+			362	0.4		+	+	+
15						+	363	+		0	+	0
16					+	24	390					
17		+			0	+	151			0		+
18		0			+		67	+		0	+	
19		+					+	5.6		0	+	
20				5.8			42	+		+		
21												
22				+	+		+	+				+
23					170						+	0
24		+			0						0	+
25		0		+	+			+			0	
26		+		8.7	+			0			+	
27				1.2	+			+				+
28				+	+			+				0
29		+		5.2	111			+				0
30		0		+			+	0	+	+	+	+
31	+		+	+		+		+			0	
	3.4	0	6.6	279.3	281.0	71.0	1514.7	6.5	+	+	+	+
MEAN	0.11	+	0.21	9.01	10.0	2.29	50.5	0.21	+	+	+	+
ACRE-FEET	6.7	+	13.	554.	557.	141.	3000.	13.	+	+	+	+

Remarks:

YEAR OR PERIOD MEAN 5.92
ACRE-FEET 4280.


STA. NO. F192-R
RIO HONDO
at
Lower Azusa Road
Storm of Jan. 26, 1958
METER RATED FLOW
CALCULATED FLOW
DISCHARGE IN SECOND-FEET
3200
2800
2400
2000
1600
1200
800
400
0
MID
3
6
9
NOON
1-26
3
6
9
MID
3
6
9
NOON
1-27


STA. NO. F192-R
RIO HONDO
at
Lower Azusa Road
Storm of Feb. 23, 1957
METER RATED FLOW
CALCULATED FLOW
DISCHARGE IN SECOND-FEET
2400
2000
1600
1200
800
400
0
1
2
3
4
5
6
7
8
9
10
11
NOON
FEB. 23

STATION E326-R
RIO HONDO below Garvey Avenue

LOCATION: WATER-STAGE RECORDER, LAT. 34°03'30", LONG. 118°04'25", 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 1957.

EXTREMES OF DISCHARGE:
1955-56
MAXIMUM DISCHARGE DURING PERIOD: 1540 SECOND-FEET APRIL 12, (GAGE HEIGHT, 2.82 FEET)
MINIMUM DISCHARGE: NO FLOW ON MANY DAYS.
1956-57
MAXIMUM DISCHARGE: 7120 SECOND-FEET FEBRUARY 23. (GAGE HEIGHT 4.05 FT.)
MINIMUM DISCHARGE: NO FLOW ON MANY DAYS.

REMARKS: RECORDS GOOD. 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. FIVE STREAM FLOW MEASUREMENTS FURNISHED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF RIO HONDO

~~NEAR~~ below Garvey 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.	S. HT. CHANGE TOTAL	METER NO.
1	2/21		U.S.G.S.	5.7	1.52	1.56	1.16	2.37		.5 .6	23		
2	3/5		"				1.03	0.01		EST.			
3	3/9		"				1.04	0.01		"			
4	3/14		"				1.04	0.01		"			
5	4/5		"				1.05	0.04		FLUME			
6	4/12		"	154.5	62.4	3.16	2.08	197.		.5 .6	26	+.01	
7	4/25		"				1.06	0.03		FLUME			
8	4/26		"	105.0	25.8	1.93	1.90	49.8		.5 .6	22	-.06	
9	5/2		"				1.05	0.09		EST.			
10	5/9		"	146.0	57.8	2.52	2.01	146.		.5 .6	30	-.01	
11	5/9		"	144.	65.4	3.00	2.14	196.		.5 .6	33	-.24	
12	5/21		"				1.06	0.06		FLUME			
13	6/8		"	1.2	0.17	0.35	1.07	0.06		.5	8		
14	6/14		U.S.G.S.	1.2	0.24	0.50	1.06	0.12		.5	8		
15	6/21		"	1.1	0.22	0.50	1.07	0.11		.5	8	0	
16	6/27		"	1.1	0.22	0.27	1.05	0.06		.5	7	0	
17	7/6		"				1.05	0.02		FLUME			
18	7/12		"				1.05	0.01		"			
19	7/19		"				1.05	0.04		"			
20	7/26		"				1.05	0.06		"			
21	8/2		"				1.05	0.01		"			
22	8/8		"				1.07	0.01		"			
23	8/16		"				1.08	0.04		"			
24	8/23		"				1.05	0.01		"			
25	8/28		"				1.08	0.02		"			
26	9/6		"				1.05	0.02		"			
27	9/12		"	5.1	0.74	0.70	1.14	0.52		.5	16	0	
28	9/20		"				1.05	0.01		EST.			
29	9/26		"				1.06	0.01		EST.			

DISCHARGE MEASUREMENTS OF RIO HONDO

~~NEAR~~ below Garvey Avenue 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.	RAT-ING	METH-OD	MEAS. SEC. NO.	S. HT. CHANGE TOTAL	METER NO.
30	10/5		U.S.G.S.	5.5	1.64	1.83	1.29	3.00		.6	21	0	
31	10/11		"				1.04	0.01		FLUME		0	
32	10/31		"				1.04	0.01		"		0	
33	11/6		"				1.04	0.01		EST.		0	
34	11/28		"				1.08	0.02		FLUME		0	
35	12/12		"				1.06	0.01		"		0	
36	12/18		"				1.10	0.10		"		+.02	
37	12/31		"				1.05	0.01		"		0	
38	1/5		"	154.	92.8	3.47	2.23	322.		.5 .6	31	-.10	
39	1/5		"	7.5	2.72	2.17	1.52	5.91		.5 .6	15	-.04	
40	1/7		"				1.05	0.04		FLUME		0	
41	1/10		"	153.	46.4	1.62	1.95	75.0		.5 .6	30	-.08	
42	1/10		"	101.	11.4	1.36	1.71	15.5		EST. .5 .6	22	-.03	
43	1/13		U.S.E.D.				3.44	3550.				0	
44	1/13		"				2.69	1130.				0	
45	1/13		"				2.31	234.				0	
46	1/13		U.S.G.S.	10.0	3.94	2.77	1.58	10.9		.5 .6	16	0	
47	1/18		"				1.02	0.01		FLUME		0	
48	1/21		"	5.4	1.17	1.43	1.20	1.67		.5	18	-.03	
49	1/26		"	94.5	16.2	1.41	1.77	22.8		.5 .6	24	-.06	
50	1/31		"				1.05	0.02		FLUME	0	0	
51	2/14		"				1.07	0.18		"		0	
52	2/23		"	154.	93.3	4.68	2.28	437.		.6	27	+.08 -.20	
53	2/23		"	59.0	5.68	2.24	1.66	12.7		EST. .5 .6	20	-.04	
54	2/28		"				1.09	0.04		FLUME		-.02	
55	2/28		"	155.	94.9	4.32	2.31	409.		.5 .6	23	+.08 -.09	
56	3/1		U.S.G.S.	153.	75.6	2.98	2.09	225.		SURF .6	23	-.15	
57	3/1		"	147.	37.9	1.62	1.91	61.5		EST. SURF .5 .6	23	-.08	
58	3/13		"				1.03	0.01		FLUME		0	
59	3/16		"	153.	157.	5.57	2.29	875.		SURF .5 .6	25	-.10 +.07	
60	3/29		"				1.04	0.01		FLUME		0	
61	4/4		"				1.03	0.06		"		0	
62	4/11		"				1.06	0.08		"		0	
63	4/13		"	151.	81.0	2.96	2.14	240.		.5 .6	28	+.01	
64	4/13		"	151.	89.0	2.99	2.18	266.		.6	30	+.07	
65	4/15		"	150.	109.	3.66	2.30	399.		.6	30	+.01	
66	4/15	1106 / 1136	WADDICOR-ROY	152.	93.4	3.98	2.29	372.		.6	20	+.01	
66a	4/16	1313 / 1345	" "	153.	94.3	4.06	2.30	383.		.6	21	+.01	
66b	4/17	0910 / 0928	" "	69.8	47.0	3.44	2.06	161.		.6	18	-.04	
66c	4/17	1014 / 1034	" "	68.6	39.1	3.12	2.01	122.		.6	17	-.02	
66d	4/17	1307 / 1327	" "	64.3	24.0	1.89	1.86	45.4		.6	16	-.03	
67	4/30		U.S.G.S.				1.03	0.03		EST.		0	
68	5/16		"				1.03	0.02		FLUME			
69	6/4		"	2.6	0.69	1.38	1.14	0.95		.5	10	-.01	
70	6/13		"				1.04	0.02		FLUME		0	
71	6/26		"				1.06	0.04		"		0	
72	7/18		"	3.2	0.73	1.38	1.14	1.01		.5	12	-.01	
73	7/29		"				1.04	0.02		FLUME		0	
74	8/15		"				1.08	0.09		"		0	
75	8/27		"	5.2	1.52	1.76	1.25	2.67		.5	18	+.02	
76	9/18		"	1.55	0.32	2.47	1.14	0.79		.5	8	+.01	

76D74M 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 56

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1						0.2	3.4	0.3	0	0.2	0	0.1
2						0.5	0.5	0.1	0	0.1	0	0.1
3						0	0.1	0.4	0.1	0.1	0	0
4						0	0.1	0.5	0.1	0.1	0	0
5						0.6	0	0.5	0.1	0	0	0.2
6						0.7	0	0.3	0.1	0.1	0	0.2
7						1.0	0	0.4	0	0	0	0.2
8						0.1	0	2.6	0.1	0	0	0.7
9						1.0	0	4.2	0.1	0.2	0	0
10						0.8	0	2.3	0	0.1	0	0.1
11						0	0	0.8	0	0.2	0	0.9
12						0.5	3.60	0.4	0.2	0.1	0	0.1
13						0.7	1.17	0.2	0.1	0.1	0.1	0
14						1.0	0.9	0.1	0.2	0	0.1	0
15						0	0.4	0.4	0.1	0	0.1	0
16					1.5	0	0.4	0.9	0.1	0.2	0.1	0
17					1.2	0.6	0.4	1.1	0.1	0.1	0.1	0
18					0.9	0	0.7	0.8	0	0.3	0	0
19					0.6	0	0.1	0.8	0.1	0.6	0	0
20					0.4	0	0.1	0.2	0.1	0.6	0	0
21					1.9	0.1	0.1	0.5	0.1	0.2	0.1	0
22					0.9	0.1	0.1	0.6	0.5	0.1	0.1	0.1
23					57	0.1	0.1	0.4	0.2	0.6	0.1	0
24					4.7	0.1	0.1	0.4	0.1	0.6	0.1	0
25					0.6	0	0.1	0.5	0.1	0.8	0	0
26					0.5	0.1	1.07	0.3	0.2	0.8	0	0.1
27					0.4	0	5.3	0.4	0.5	0.5	0	0
28					0.5	1.2	0.4	0.8	0.3	0.2	0	0.1
29					0.9	0.2	0.2	0.6	0.2	0.1	0	0
30						0	0.5	0.1	0.1	0.8	0.1	0
31						0.1		0.1		0.4	0.1	
					720	9.7	598.0	59.8	3.9	8.2	1.1	2.9
MEAN						0.31	19.9	1.93	0.13	0.26	0.04	0.10
ACRE-FEET					143.	19.	1,190.	119.	7.7	16.	2.2	5.8

Remarks:

YEAR OR PERIOD MEAN
ACRE-FEET 1,500.

76D74M 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 57

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0.1	1.27	0.2	0	0.1	1.9	0.7	0.3
2	0.1	0	0	0.5	0.2	0.9	0.5	0.1	0.1	0.8	0.7	0.2
3	0.1	0	0	1.1	0.1	0.1	0.5	0.3	1.7	0.8	0.2	0.2
4	74	0	0	2.4	0.1	0.2	0.3	0.2	1.3	0.1	0	1.3
5	0.8	0	55	105	0.4	0.2	0.3	0.1	0.8	0.8	0.4	1.9
6	0.2	0	5.1	0.1	0.6	0.1	0.3	0.1	1.0	0.6	1.3	2.3
7	0	0	0.3	6.3	0.6	0.2	0.1	0.1	0.7	0.1	1.2	0.5
8	0.1	0.1	0	1.4	0.6	0.2	0.1	0.3	0.5	2.3	0.7	0.1
9	0.3	0.6	0	0.2	0.7	1.15	0.1	0	2.2	1.4	0.7	0.8
10	0.1	0.1	0	131	0.2	1.6	0.1	1.4	6.2	7.3	0.1	1.0
11	0	0	0	0.8	0.6	0.1	0.1	1.04	0.3	7.9	0	2.3
12	0	0	0.1	304	0.6	0.1	0.1	0.4	0.7	6.2	0.7	2.6
13	0	0	0.1	812	0.6	0	1.58	0.2	1.0	2.2	0.7	1.0
14	0	0.1	0.1	0.8	0.7	0	3.76	1.7	0.1	0.3	0.5	1.8
15	0	0	0.2	0.4	1.0	0	3.88	0.2	0.1	3.4	0.5	0.1
16	0	0.5	0	0.1	0.9	1.17	3.88	0	0	2.3	0.3	0.7
17	0	0.1	0	0.1	0.6	0.2	1.97	0.1	0.2	2.1	0.1	0.8
18	0	0	0.1	0.1	0.8	0.2	76	11	0.2	1.2	0	0.8
19	0	0	0	0.1	1.4	0	0.5	d9	0.9	0.9	0.5	0.9
20	0	0	0.1	61	1.2	0	139	0.5	0.9	0.6	0.9	0.9
21	0	0	0.1	1.3	0.9	0.1	21	3.2	0.5	0.3	0.8	0.4
22	0.1	0	0.1	0.2	1.2	0	0.7	0.1	0	1.3	0.8	0.1
23	0	0	0	3.7	596	0	0.5	0.1	0	1.4	1.3	0.6
24	0.1	0.2	0	13	0.8	0	0	0.2	0.5	1.2	0.7	0.9
25	0	0.2	0	1.6	0.1	0	0	0.2	1.4	1.4	0.2	0.8
26	0	0.5	0	76	0.1	0	0	0.1	3.7	1.6	0.5	0.7
27	0	0.2	0.2	12	0.1	0.1	0.2	0.1	6.6	0.6	1.4	0.9
28	0.2	0	0.2	5.6	148	0	0.1	0.2	6.1	0.1	4.9	0.2
29	0	0	0.3	48		0.1	0.2	0.1	3.3	0.3	6.0	0
30	0	0	0.1	0.9		0.1	0	0.1	0.3	0.6	1.6	0.2
31	0		0.1	0.1		0.1		0.1		0.5	0.7	
	75.1	2.6	62.2	1598	759.2	363.6	1756.9	229.5	41.4	52.5	29.1	
MEAN	2.45	0.09	2.01	51.3	27.1	11.7	58.6	7.40	1.38	1.69	0.94	0.84
ACRE-FEET	151.	5.2	123.	3150.	1510.	721.	3480.	455.	82.	104.	58.	50.

Remarks:

YEAR OR PERIOD MEAN 13.7
ACRE-FEET 9890.

STATION F64-R
RIO HONDO above Mission Bridge

LOCATION: WATER-STAGE RECORDER, LAT. 34°04'57", LONG. 118°04'18", ON THE RIGHT (WEST) BANK APPROXIMATELY 1000 FEET ABOVE MISSION BRIDGE (SAN GABRIEL BOULEVARD) AND 2 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 GAGE 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: INSTALLED IN JULY 1928. REMOVED ABOUT 10 P.M. MARCH 2, 1938. REINSTALLED ON MARCH 6 AT A TEMPORARY STATION F64-R ON MISSION BRIDGE. REMOVED ON MARCH 26, 1938. REINSTALLED AT STATION F64-R MARCH 26, 1938. OCTOBER 15, 1956 INSTALLED ON A 36-INCH DIAMETER CORRUGATED IRON PIPE WHICH SERVES BOTH AS STILLING WELL AND SHELTER HOUSE. A STEVENS TYPE A-35 CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1955 TO SEPTEMBER 30, 1957.

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 MONROVIA 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: JULY 1928 TO SEPTEMBER 30, 1957. (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 F649-R).

EXTREMES OF DISCHARGE:
1955-56
MAXIMUM 10940 SECOND-FEET JANUARY 26.
MINIMUM 2.5 SECOND-FEET OCTOBER 1.
1956-57
MAXIMUM 8250 SECOND-FEET FEBRUARY 23.
MINIMUM 2.2 SECOND-FEET AUGUST 21.
1928-57
MAXIMUM 28000 SECOND-FEET, ESTIMATED MARCH 2, 1938.
MINIMUM 1.8 SECOND-FEET SOME DAYS IN OCTOBER 1951.

ACCURACY: FAIR.

OPERATION: 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

~~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. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1826	10/6	0817 / 0838	WADDICOR	11.7	3.09	0.97	2.08	3.0		.5 / .6	14	0	FC52
1827	10/13	0820 / 0835	"	12.0	3.42	0.94	2.12	3.2		.5 / .6	13	0	"
1828	10/20	0757 / 0817	"	11.8	3.48	0.95	2.16	3.3		.5 / .6	13	0	"
1829	10/27	0816 / 0832	"	12.0	3.74	0.86	2.21	3.2		.5 / .6	14	0	"
1830	11/3	1033 / 1047	WADDICOR-GODFREY	12.3	4.07	0.84	2.25	3.4		.5 / .6	14	0	"
1831	11/10	0758 / 0812	WADDICOR	12.5	4.26	0.80	2.27	3.4		.5 / .6	12	0	"
1832	11/14	0421 / 0443	WADDICOR-KESTEL	83.0	188.	6.22	4.48	1170.		.5 / .6	10	+.35	"
1833	11/14	0955 / 1007	" "	78.0	61.3	1.44	2.88	88.1		.6	13	-.03	"
1834	11/14	1440 / 1452	" "	30.0	37.7	0.40	2.36	15.2		.6	9	-.01	"
1835	11/17	0812 / 0825	WADDICOR	18.7	7.15	0.98	2.20	7.0		.6	13	+.01	FC37
1836	11/17	1117 / 1128	WADDICOR-KESTEL	39.0	57.9	0.90	2.69	52.1		.6	15	-.01	"
1837	11/18	1400 / 1414	WADDICOR	17.0	6.33	1.10	2.17	7.0		.6	13	0	"
1838	11/21	1104 / 1116	WADDICOR-KESTEL	80.0	175.	3.33	4.08	583.		.6	11	+.15	"
1839	11/21	1128 / 1138	" "	80.0	176.	3.19	4.15	561.		.6	11	-.03	"
1840	11/21	1350 / 1405	" "	85.0	239.	7.49	4.85	1790.		.6	11	0	"
1841	11/21	1703 / 1712	" "	78.0	130.	2.34	3.48	304.		.6	11	-.14	"
1842	11/23	0830 / 0845	WADDICOR	9.0	4.06	1.28	2.06	5.2		.6	10	0	"
1843	12/1	0908 / 0920	"	11.0	4.93	0.89	2.00	4.4		.6	10	0	"
1844	12/1	1433 / 1446	WADDICOR-KESTEL	74.0	92.9	1.79	3.03	166.		.6	11	+.05	"
1845	12/1	1523 / 1537	" "	74.0	102.	1.74	3.14	178.		.6	11	0	"
1846	12/1	1925 / 1936	" "	79.0	118.	2.40	3.43	283.		.6	11	+.10	"
1847	12/2	0843 / 0855	WADDICOR	12.0	5.91	1.28	2.07	7.6		.6	13	0	"
1848	12/4	0707 / 0718	WADDICOR-KESTEL	74.0	68.6	1.73	2.77	119.		.6	10	+.09	"
1849	12/4	0915 / 0930	WADDICOR-KESTEL	79.0	104.	2.18	3.20	227.		.6	17	+.08	FC37
1850	12/8	1313 / 1336	WADDICOR	17.6	6.92	1.18	1.97	7.8		.6	13	0	"
1851	12/16	1032 / 1047	"	17.7	5.43	0.79	1.85	4.3		.6	16	0	"
1852	12/22	1052 / 1110	"	10.0	5.08	0.98	1.84	5.0		.6	13	0	"
1853	12/29	0833 / 0844	"	11.1	4.38	1.03	1.83	4.5		.6	10	0	"
1854	1/5	0825 / 0838	"	11.0	4.48	1.00	1.83	4.5		.6	11	0	"
1855	1/12	0815 / 0829	WADDICOR-SADDORIS	12.0	4.27	1.12	1.83	4.8		.5 / .6	12	+.01	"
1856	1/19	0922 / 0934	WADDICOR	11.5	4.44	1.01	1.83	4.5		.6	10	0	"
1857	1/25	1045 / 1100	"	37.0	25.6	1.85	2.46	47.3		.6	12	+.12	"
1858	1/25	1152 / 1205	WADDICOR-SADDORIS	77.0	85.8	2.74	3.08	235.		.6	11	+.08	"
1859	1/25	1430 / 1441	" "	85.0	210.	6.10	4.26	1280.		.6	10	+.07	"
1860	1/25	1700 / 1707	" "	85.0	218.	5.96	4.32	1300.		.6	11	-.15	"
1861	1/25	2016 / 2025	" "	85.0	228.	6.10	4.39	1390		.6	11	-.01	"
1862	1/26	0140 / 0152	" "	85.0	194.	4.81	4.21	933.		.6	11	+.01	"
1863	1/26	0623 / 0633	" "	87.0	388.	9.84	5.78	3820.		.6	8	+.07 -.07	"
1864	1/26	1040 / 1111	" "	92.0	500.	11.5	6.90	5730.		.6	8	+.40	"
1865	1/26	1615 / 1640	WADDICOR-KESTEL	135.	665.	9.89	7.22	6580.	FLOAT			-.65	
1866	1/27	1052 / 1105	" "	88.0	124.	2.02	1.18	251.		.6	12	-.10	FC37
1867	1/30	2353 / 0008	" "	93.0	162.	3.12	1.48	506.		.6	12	+.04	"
1868	1/31	0847 / 0906	" "	CHANNELS			0.10	34.6		.6	21	0	"
1869	2/2	0828 / 0845	WADDICOR	31.0	10.2	1.02	-0.30	10.4		.6	15	0	"
1870	2/9	0844 / 0902	"	26.0	8.51	.88	-0.32	7.5		.6	16	0	"
1871	2/16	0849 / 0902	WADDICOR	CHANNELS			-0.30	6.6		.6	18	0	"

DISCHARGE MEASUREMENTS OF RIO HONDO

~~AT~~ NEAR above Mission Bridge 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.	G. HT. CHANGE TOTAL	METER NO.
1872	2/23	0840 / 0900	WADDICOR	28.0	20.0	3.23	-0.28	64.6		.6	17	+.06	FC37
1873	2/24	0850 / 0914	WADDICOR-SJOSTEDT	39.0	32.1	1.83	0.60	58.8		.6	15	0	"
1874	3/1	0836 / 0846	WADDICOR	11.0	5.65	1.20	0.00	6.8		.6	10	0	"
1875	3/8	0820 / 0835	"	22.0	7.11	0.87	0.00	6.2		.6	14	0	"
1876	3/15	0814 / 0824	"	15.0	5.87	1.09	0.00	6.4		.5 / .6	10	0	"
1877	3/22	0835 / 0853	"		CHANNELS		0.00	6.2		.5 / .6	16	0	"
1878	3/29	0825 / 0836	"	7.0	2.50	1.92	0.05	4.8		.6	8	0	FC52
1879	4/1	1555 / 1610	"		CHANNELS		0.70	163.		.5 / .6	14	0	FC37
1880	4/5	0915 / 0929	WADDICOR-WOOD	20.0	6.72	1.13	0.30	7.6		.5 / .6	11	0	"
1881	4/12	0230 / 0245	WADDICOR	65.0	67.0	2.84	0.30	190.		.6	9	0	"
1882	4/12	0830 / 0845	"	70.0	78.5	4.14	1.74	325.		.6	9	+.51	"
1883	4/12	1100 / 1120	"	73.0	103.	8.80	2.20	907.		.6	10	-.20	"
1884	4/19	0825 / 0840	"	12.6	4.87	1.52	0.70	7.4		.6	13	0	"
1885	4/26	0840 / 0857	"	68.0	83.4	3.82	1.60	319.		.6	9	-.02	"
1886	4/26	0940 / 0955	"	71.0	103.	4.45	1.68	458.		.6	9	+.08	"
1887	4/26	1040 / 1056	"	80.0	162.	3.86	2.25	625.		.6	10	+.20	"
1888	4/26	1305 / 1320	WADDICOR	68.0	76.8	3.79	2.11	291.		.6	9	-.04	"
1889	5/3	0830 / 0843	"	21.5	7.16	0.99	0.70	7.1		.6	12	0	"
1890	5/9	0850 / 0905	"	71.0	78.3	2.20	1.72	172.		.6	9	-.03	"
1891	5/16	1524 / 1534	SADDORIS-SJOSTEDT	33.2	9.16	0.87		8.0		.6	13		FC55
1892	5/17	1000 / 1015	SADDORIS	26.2	7.08	1.03		7.3		.5	9		"
1893	5/22	1408 / 1420	WADDICOR	26.0	6.81	0.97	0.70	6.6		.6	9	0	FC37
1894	5/23	1350 / 1405	"	26.0	6.89	1.00	0.70	6.9		.6	9	0	"
1895	5/26	0852 / 0905	"	15.5	5.12	0.90	0.60	4.6		.6	11	0	"
1896	5/31	0831 / 0846	"	13.2	4.03	1.12	0.60	4.5		.5	10	0	FC52
1897	6/7	0830 / 0845	"	20.3	4.44	1.19	0.60	5.3		.6	12	0	"
1898	6/14	0811 / 0823	"	12.7	3.58	1.12	0.60	4.0		.6	10	0	"
1899	6/21	0755 / 0815	"	11.8	4.06	1.01	0.58	4.1		.5 / .6	13	0	"
1900	6/28	0820 / 0835	"	14.0	3.63	1.35	0.56	4.9		.5 / .6	11	0	"
1901	7/5	0731 / 0745	"	15.7	4.74	1.37	0.58	6.5		.5 / .6	11	0	"
1902	7/12	0917 / 0928	WADDICOR-SADDORIS	12.1	2.99	1.30	0.50	3.9		.5	11	0	"
1903	7/19	0915 / 0928	SADDORIS	15.3	3.30	1.12		3.7		.6	16		"
1904	7/26	1000 / 1018	"	15.3	3.31	1.12		3.7		.6	16		"
1905	8/2	0805 / 0820	WADDICOR	10.2	2.98	1.28	0.30	3.8		.6	10	0	"
1906	8/9	0818 / 0832	"	10.5	2.91	1.10	0.30	3.2		.5 / .6	12	0	"
1907	8/16	0837 / 0938	WADDICOR-ROY	11.2	3.04	1.15		3.5		.6	10	0	"
1908	8/23	0837 / 0848	WADDICOR-FALCONE	8.0	3.00	1.53		4.6		.5	9		"
1909	8/30	0857 / 0908	WADDICOR-BOWMAN	8.9	2.65	1.28		3.4		.5 / .6	9		"
1910	9/6	0832 / 0840	WADDICOR-ROY	8.5	2.80	1.29		3.6		.6	9		"
1911	9/13	0838 / 0847	" "	13.3	2.99	1.04		3.1		.5 / .6	10		"
1912	9/20	1000 / 1010	" "	10.0	2.79	1.22		3.4		.5 / .6	10		"
1913	9/27	0817 / 0825	" "	9.0	2.68	1.19		3.2		.5 / .6	10		"
1914	10/4	0853 / 0858	WADDICOR	68.0	100.	1.97	2.65	197.		.6	10	0	FC37
1915	10/4	1325 / 1340	"	71.0	55.0	1.90	1.54	105.		.6	10	0	"
1916	10/5	0820 / 0830	"	11.2	4.46	1.81		8.1		.6	12		"
1917	10/11	0742 / 0800	"	11.5	3.71	1.08		4.0		.6	11		FC52
1918	10/18	0816 / 0828	"	7.0	2.85	1.40		4.0		.6	8		"
1919	10/23	1100 / 1115	"	8.8	4.93	0.91		4.5		.5 / .6	10		FC37
1920	10/26	1220 / 1236	"	10.8	5.13	1.15		5.9		.6	12		"
1921	11/1	0818 / 0846	ROY-WADDICOR		CHANNELS			4.3		.6	15		FC52
1922	11/8	0805 / 0825	ROY-WADDICOR		"			3.2		.6	10		FC37
1923	11/15	0816 / 0837	ROY-WADDICOR		"			3.6		.6	12		FC52
1924	11/23	0937 / 0947	WADDICOR	6.5	2.27	1.85	1.58	4.2		.6	9	0	"
1925	11/29	0925 / 0936	ROY	7.7	3.15	1.46	1.98	4.6		.5 / .6	9	0	"
1926	12/5	1537 / 1546	WADDICOR-ROY	10.0	5.84	0.29	2.07	16.7		.5 / .6	11	0	FC37
1927	12/6	0824 / 0842	WADDICOR	18.6	9.87	1.67	1.77	16.5		.6	13	0	"
1928	12/11	0822 / 0837	"		CHANNELS		1.52	4.7		.6	14	0	"
1929	12/20	0824 / 0839	"	14.5	4.71	1.02	1.49	4.8		.6	10	0	"
1930	12/27	0837 / 0847	"	11.0	3.72	1.08	1.49	4.0		.6	12	0	"
1931	1/4	0917 / 0929	"	14.0	3.80	1.24	1.49	4.7		.6	10	0	"
1932	1/5	0305 / 0320	WADDICOR-ROY	92.0	136.	3.63	3.32	494.		.5	12	-.03	"
1933	1/5	0513 / 0532	" "	92.0	176.	4.00	3.56	706.		.5	12	-.04	"
1934	1/5	0705 / 0720	" "	93.0	169.	4.31	3.50	728.		.5	12	-.07	"
1935	1/10	0200 / 0222	ROY-WADDICOR	95.0	184.	4.26	3.59	784.		.6	12	+.08	"
1936	1/10	0350 / 0410	" "	93.0	148.	4.06	3.18	601.		.6	12	-.16	"
1937	1/10	0655 / 0711	" "	94.0	154.	3.92	3.22	605.		.6	12	-.22	"
1938	1/10	1038 / 1048	WADDICOR-ROY		CHANNELS		2.31	120.		.6	8	-.07	"
1939	1/11	0833 / 0853	ROY-WADDICOR	12.0	6.5	1.24	1.51	8.1		.6	14	-.01	"
1940	1/12	1817 / 1832	" "	67.0	67.8	1.88	2.53	122.		.6	10	-.08	"
1941	1/12	2022 / 2045	" "	94.0	180.	3.46	3.46	624.		.6	12	+.29	"
1942	1/12	2137 / 2156	WADDICOR-ROY	94.0	272.	6.91	4.49	1880.		.6	12	+.86	"
1943	1/12	2238 / 2251	" "	95.0	334.	8.98	5.18	3000.		.6	11	+.03	"
1944	1/12	2354 / 0005	" "	95.0	373.	10.8	5.55	4020.		.6	8	+.30	"
1945	1/13	0203 / 0233	" "	95.0	401.	10.4	5.76	4160.		.6	8	-.02	"
1946	1/13	0439 / 0448	" "	101.0	436.	10.4	6.05	4520.		.6	9	-.30	"
1947	1/13	0706 / 0724	" "	94.0	168.	3.12	3.40	524.		.6	12	-.10	"
1948	1/14	1045 / 1100	" "	14.0	7.94	1.25	1.74	9.9		.6	13	0	"
1949	1/17	0855 / 0908	WOOD-WADDICOR	13.0	7.14	1.00	1.70	7.2		.6	9	0	"
1950	1/20	1508 / 1519	WADDICOR-WOOD	94.0	179.	3.14	3.70	562.		.6	12	+.02	"
1951	1/20	1553 / 1604	" "	94.0	169.	3.12	3.65	525.		.6	12	-.18	"
1952	1/21	1007 / 1020	WADDICOR	13.0	6.54	1.12	1.76	7.3		.6	11	0	"
1953	1/24	0853 / 0910	WADDICOR-MC BRIDE	35.0	34.1	1.99	2.38	68.0		.6	13	+.04	"
1954	1/25	0824 / 0839	WADDICOR	24.0	13.9	0.68	1.77	9.5		.6	12	0	"
1955	1/26	0301 / 0313	WADDICOR-WOOD	94.0	180.	3.09	3.69	556.		.6	12	+.12	"
1956	1/26	0425 / 0439	" "	94.0	181.	3.09	3.66	560.		.6	12	-.18	"
1957	1/31	1210 / 1222	WADDICOR	14.0	6.75	1.16	1.69	7.8		.6	11	0	"
1958	2/7	0805 / 0919	WADDICOR-BROOK	15.3	5.49	1.02	1.71	5.6		.6	13	0	"
1959	2/14	0835 / 0852	WADDICOR	15.8	5.64	0.96	1.71	5.4		.6	13	0	"

DISCHARGE MEASUREMENTS OF RIO HONDO

AT OR NEAR above Mission Bridge DURING THE YEAR ENDING SEPTEMBER 30, 1957

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.
1960	2/21	0820 / 0837	WADDICOR	16.0	5.80	0.95	1.70	5.5		.5 .6	14	0	FC37
1961	2/23	0454 / 0514	"	100.0	367.	8.78	5.57	3220.		.6	12	+.20	"
1962	2/23	1055 / 1108	"	93.0	99.0	2.22	2.60	220.		.6	12	-.10	"
1963	2/24	0845 / 0857	"	12.7	10.9	1.08	1.64	11.8		.6	10	0	"
1964	2/28	0807 / 0819	"	17.7	5.65	1.31	1.57	7.4		.6	13	0	"
1965	2/28	1223 / 1234	WADDICOR-BOWMAN	95.0	159.	3.64	3.65	580.		.6	12	+.88	"
1966	2/28	1255 / 1308	" "	98.0	274.	7.13	4.59	1950.		.6	12	+.22	"
1967	2/28	1416 / 1426	" "	94.0	194.	5.54	3.80	1080.		.6	12	-.15	"
1968	2/28	2309 / 2327	WADDICOR-WOOD	100.0	277.	7.69	4.61	2130.		.6	12	+.47	"
1969	3/1	0048 / 0100	" "	95.0	178.	5.23	3.75	932.		.6	12	-.39	"
1970	3/1	0954 / 1002	" "	94.0	131.	5.02	3.42	658.		.6	12	-.16	"
1971	3/1	1556 / 1611	" "	31.5	21.4	1.23	2.28	26.4		.6	13	-.03	"
1972	3/7	0817 / 0830	WADDICOR-ROY	20.5	7.17	0.84	1.98	6.1		.6	13	0	"
1973	3/9	1603 / 1614	WADDICOR-BROOK	94.0	179.	5.45	3.90	976.		.6	12	-.50	"
1974	3/10	0955 / 1009	" "	22.0	11.6	0.73	2.03	8.5		.6	12	0	"
1975	3/14	0820 / 0840	WADDICOR	18.2	4.99	1.30	2.02	6.5		.6	13	0	"
1976	3/16	0545 / 0556	WADDICOR-BROOK	93.0	149.	4.69	3.70	699.		.6	12	+.35	"
1977	3/16	0835 / 0850	" "	98.0	300.	7.93	4.88	2380.		.6	12	-.28	"
1978	3/16	0731 / 0742	" "	94.0	216.	6.76	4.32	1460.		.6	12	-.04	"
1979	3/16	0935 / 0959	BROOK-WADDICOR	93.0	91.0	3.72	3.10	346.		.6	12	-.17	"
1980	3/18	0933 / 0945	WADDICOR	21.5	5.32	1.09	2.19	5.8		.6	9	0	"
1981	3/21	0809 / 0826	"	19.0	5.57	0.99	2.18	5.5		.5 .6	13	0	"
1982	3/28	0820 / 0837	"	21.2	5.96	0.92	2.15	5.5		.5 .6	14	0	"
1983	4/4	0822 / 0827	"	19.6	5.36	0.93	2.13	5.0		.6 .5	12	0	"
1984	4/11	0844 / 0856	WADDICOR-ROY	20.0	4.98	0.84	2.10	4.2		.6 .5	14	0	FC52
1985	4/13	1105 / 1122	WADDICOR-FALCONE	73.0	80.9	2.24	2.97	181.		.6	12	+.10	FC37
1986	4/14	0745 / 0755	" "	94.0	127.	2.93	3.38	373.		.6	12	0	"
1987	4/15	1330 / 1350	WADDICOR-ROY	94.0	98.8	3.83	3.46	381.		.6	12	+.04	"
1988	4/17	0815 / 0825	" "	94.0	72.8	3.64	3.29	265.		.6	12	-.02	"
1989	4/17	1440 / 1500	" "	47.5	25.4	2.36	2.96	60.0		.6	18	-.04	"
1990	4/17	2230 / 2249	WADDICOR-BROOK	95.0	17.2	6.64	4.22	1140.		.6	12	-.17	"
1991	4/18	0007 / 0020	" "	95.0	116.	5.96	3.78	622.		.6	12	+.25	"
1992	4/18	0941 / 0956	WADDICOR-ROY	95.0	166.	5.92	4.18	982.		.6	12	-.10	FC37
1993	4/18	1510 / 1518	" "	51.0	25.3	3.02	3.02	76.4		.6	14	-.01	"
1994	4/20	1249 / 1303	WADDICOR-BROOK	95.0	154.	5.71	4.22	880.		.6	12	.06	"
1995	4/20	1343 / 1355	" "	95.0	145.	5.50	4.06	798.		.6	12	-.08	"
1996	4/25	0818 / 0834	WADDICOR	15.0	4.95	1.15	2.65	5.7		.6	11	0	FC52
1997	4/29	1220 / 1232	"	15.8	6.55	0.90	2.64	5.9		.6 .5	11	0	"
1998	5/2	0816 / 0832	"	17.0	6.03	0.93	2.65	5.6		.6	13	0	"
1999	5/9	0828 / 0838	"	12.8	5.59	0.91	2.65	5.1		.5 .6	14	0	"
2000	5/11	1043 / 1055	"	10.2	4.85	1.46	2.40	7.1		.5 .6	9	0	FC37
2001	5/11	1500 / 1516	"	97.0	258.	1.36	4.87	1900.		.6	12	-.53	"
2002	5/11	1543 / 1605	"	95.0	148.	5.70	4.02	844.		.6	12	-.44	"
2003	5/16	0810 / 0823	"	10.8	4.68	1.22	2.49	5.7		.6	10	0	"
2004	5/23	0827 / 0850	"	13.1	4.79	1.23	2.39	5.9		.6	11	0	FC52
2005	5/29	0815 / 0839	"	18.8	5.26	0.89	2.32	4.7		.6	14	0	"
2006	6/6	0828 / 0838	"	12.0	4.85	0.97	2.28	4.7		.6	9	0	"
2007	6/12	0737 / 0750	"	16.0	3.90	1.23	2.38	4.8		.6	11	0	"
2008	6/13	0825 / 0843	"	16.0	4.29	1.14	2.37	4.9		.6 .5	12	0	"
2009	6/20	0835 / 0855	ROY-GARDNER	23.5	7.44	1.13	2.39	8.4		.6 .5	16	-.01	"
2010	6/27	0829 / 0845	ROY-WADDICOR	17.9	4.25	1.11	2.32	4.7		.6 .5	13	0	"
2011	7/3	0815 / 0830	ROY	12.5	4.46	1.10	2.34	4.9		.5 .6	10	-.01	"
2012	7/11	0810 / 0828	"	18.0	4.90	0.98	2.34	4.8		.6	14	0	"
2013	7/18	0810 / 0822	WADDICOR	17.0	3.86	1.06	2.31	4.1		.5 .6	10	0	"
2014	7/25	0832 / 0844	"	18.2	4.17	1.06	2.31	4.4		.5 .6	12	0	"
2015	8/1	0757 / 0812	"	17.8	3.99	1.00	2.33	4.0		.5 .6	12	0	"
2016	8/8	0730 / 0740	WADDICOR-BLAKELY	18.0	7.95	0.70	2.34	5.6		.5 .6	11	0	"
2017	8/15	0814 / 0830	WADDICOR	19.3	4.17	0.98	2.31	4.1		.5 .6	12	0	"
2018	8/22	0912 / 0924	"	16.0	4.85	0.68	2.35	3.3		.5	10	0	"
2019	8/29	0815 / 0835	"	24.5	6.61	1.15	2.38	7.6		.5 .6	14	0	"
2020	9/5	0812 / 0823	"	11.2	3.89	1.05	2.33	4.1		.5 .6	8	0	"
2021	9/12	0810 / 0825	"	18.0	6.17	1.21	2.32	7.5		.6	11	0	"
2022	9/19	0822 / 0835	"	17.2	9.06	0.88	2.31	8.0		.5 .6	11	0	"
2023	9/26	0806 / 0824	ROY	13.0	4.77	1.11	2.34	5.3		.6	14	0	"

T6DT4M Gb 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 56

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.7	3.4	8.8	4.4	v 7.5	v 6.8	v 17	v 7.2	v 4.6	v 4.9	v 3.8	v 3.4
2	2.7	3.6	16	4.4	7.5	6.8	7.6	7.2	4.7	4.9	3.8	3.4
3	2.8	3.6	5.2	4.4	7.5	6.7	7.6	7.1	4.8	4.9	3.7	3.5
4	3.4	3.8	65	4.4	7.5	6.7	7.6	7.1	4.9	4.9	3.6	3.5
5	3.0	3.9	9.0	4.4	7.5	6.6	7.6	7.1	5.1	5.5	3.5	3.6
6	3.0	3.9	10	4.4	7.5	6.5	7.6	7.1	5.2	6.1	3.4	3.6
7	3.6	3.4	8.5	4.4	7.5	6.3	7.6	7.1	5.3	5.7	3.3	3.6
8	3.1	3.4	7.5	4.7	7.5	6.2	7.6	7.1	5.1	5.3	3.2	3.5
9	3.1	3.6	6.2	4.9	7.5	6.2	7.6	150	4.9	4.9	3.2	3.5
10	3.3	3.6	5.7	4.7	7.3	6.2	7.6	8.0	4.7	4.5	3.2	3.4
11	3.6	3.6	5.2	4.9	7.1	6.3	82	8.0	4.5	4.1	3.2	3.3
12	3.4	3.6	4.9	5.4	7.0	6.3	530	8.0	4.3	3.9	3.3	3.2
13	3.4	3.4	4.7	5.2	6.8	6.4	115	8.0	4.1	3.9	3.3	3.1
14	4.1	269	4.4	4.9	6.7	6.4	7.4	8.0	4.0	3.9	3.4	3.1
15	4.2	5.7	4.4	4.7	6.6	6.4	7.4	8.0	4.0	3.8	3.4	3.2
16	3.8	5.4	4.4	4.4	6.6	6.4	7.4	8.0	4.0	3.8	3.5	3.2
17	3.8	15	4.7	4.4	6.6	6.4	7.4	7.3	4.0	3.8	3.5	3.2
18	3.6	6.2	4.7	5.2	6.6	6.3	7.4	7.1	4.1	3.7	3.5	3.3
19	3.6	a 6.2	4.9	4.4	6.6	6.3	7.4	6.9	4.1	3.7	3.5	3.4
20	3.6	a 6.2	4.9	4.4	6.6	6.3	7.4	6.7	4.1	3.7	3.7	3.4
21	4.2	254	4.9	4.4	6.6	6.2	7.4	6.6	4.1	3.7	4.0	3.4
22	4.1	6.5	5.2	4.4	30	6.2	7.4	6.6	4.2	3.7	4.0	3.4
23	3.9	6.0	14	6.8	160	6.0	7.4	6.9	4.3	3.7	4.6	3.3
24	3.6	4.7	15	5.2	26	5.8	7.4	5.0	4.4	3.7	4.4	3.3
25	3.8	6.0	32	554	6.8	5.6	7.4	4.6	4.5	3.7	4.2	3.3
26	3.6	5.4	4.9	3520	6.8	5.4	144	4.6	4.6	3.7	4.0	3.2
27	3.4	4.7	5.4	196	6.8	5.2	7.4	4.6	4.8	3.7	3.8	3.2
28	3.0	5.7	4.7	b 7.5	6.8	5.0	7.4	4.6	4.9	3.7	3.6	3.2
29	3.0	5.2	4.4	b 7.5	v 6.8	4.8	7.3	4.5	4.9	3.7	3.4	3.2
30	2.8	5.4	5.2	18		4.8	v 7.3	4.5	v 4.9	3.8	3.4	v 3.2
31	2.8		4.4	113		v. 4.8		v 4.5		v 3.8	v 3.4	
	106.0	664.1	368.4	4529.8	398.6	188.3	1074.6	348.0	136.1	131.8	111.8	100.1
MEAN	3.42	22.1	11.9	146.	13.7	6.07	35.8	11.2	4.54	4.25	3.61	3.34
ACRE-FEET	210.	1320.	731.	8980.	791.	373.	2130.	690.	270.	261.	222.	199.

Remarks:

YEAR OR PERIOD MEAN 22.3
ACRE-FEET 16180.

FORM Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

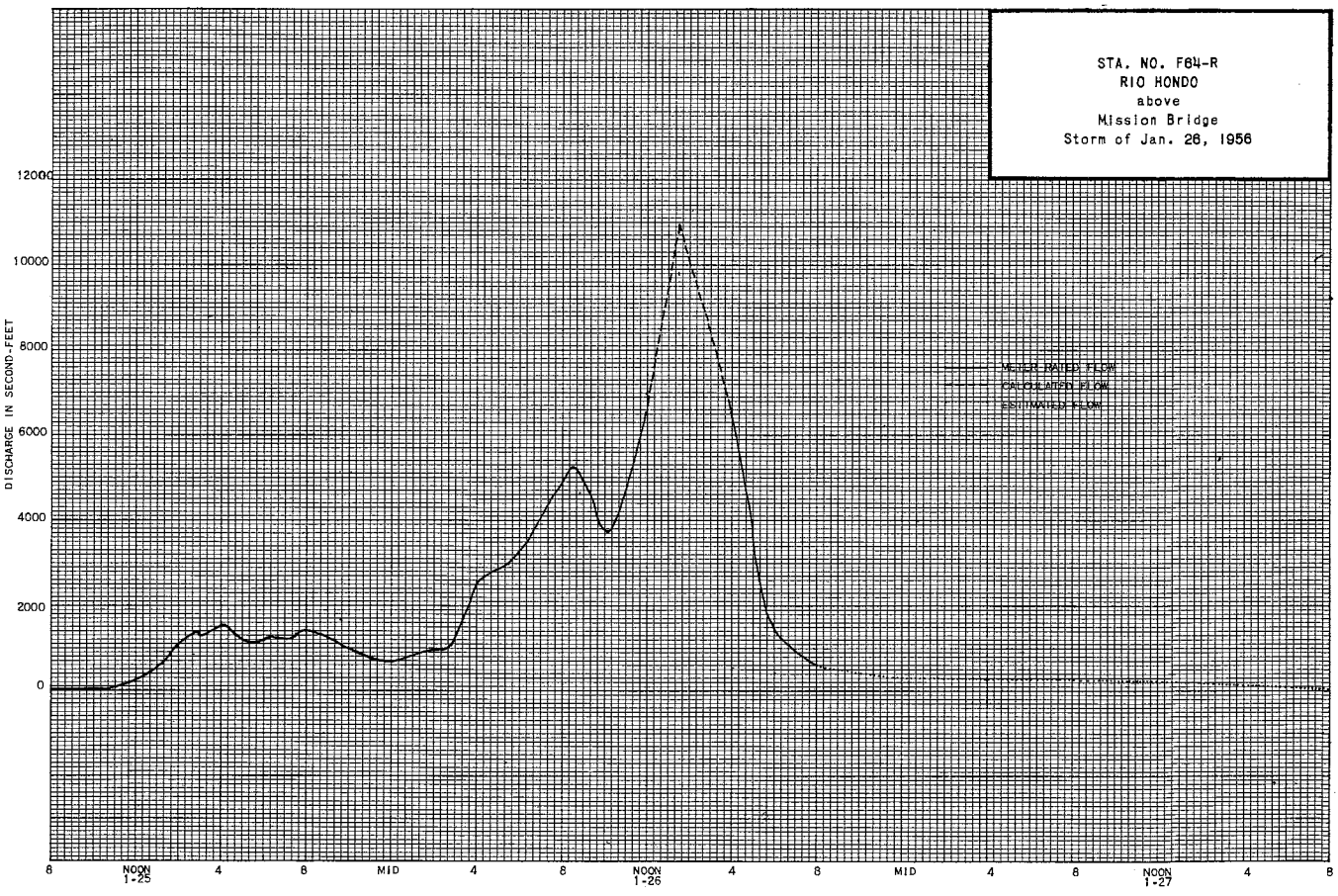
Sta. No. F64-R

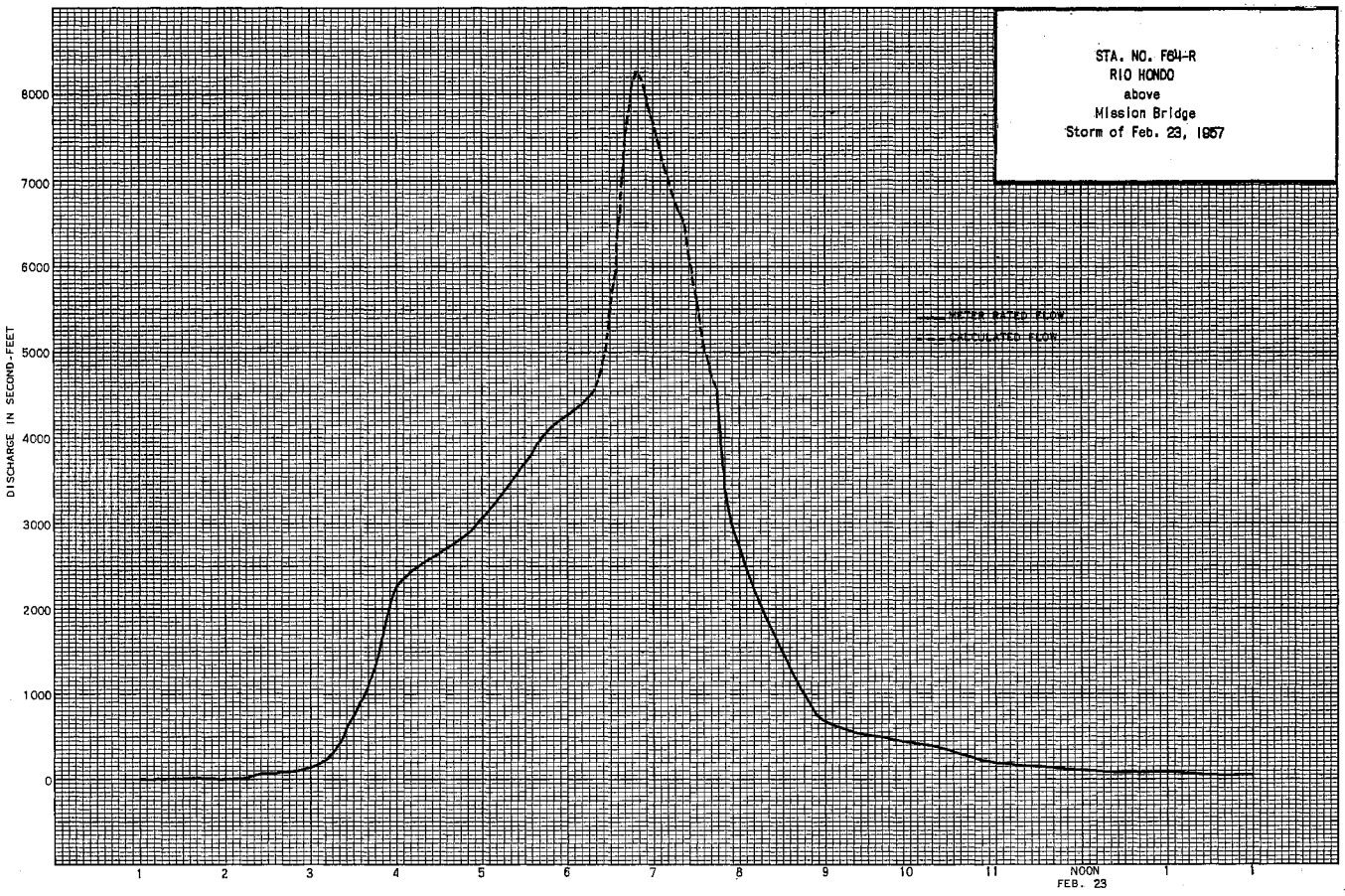
Daily discharge, in second-feet of RIO HONDO above Mission Bridge, for the year ending September 30, 1957

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	V 3.2	V 4.3	3.4	4.3	6.2	227	4.7	5.4	4.5	4.9	3.4	4.5
2	V 3.2	4.1	3.0	4.7	6.0	9.7	4.9	5.4	4.3	4.9	3.5	4.0
3	V 3.2	3.9	3.0	5.4	5.8	7.0	5.2	5.2	4.5	4.9	3.7	4.0
4	5.1	3.8	3.4	6.1	5.6	6.0	4.7	4.9	4.9	4.7	3.4	3.8
5	V 5.0	3.6	86	193	5.4	6.2	4.7	4.5	4.9	4.5	3.7	4.1
6	4.5	3.4	24	5.2	5.2	6.2	4.7	4.1	5.2	4.5	4.1	5.2
7	4.5	3.3	7.6	12	5.4	6.2	4.5	5.2	5.2	4.3	4.3	5.6
8	4.5	3.2	4.9	6.2	5.8	6.2	4.5	5.2	5.2	4.5	4.7	5.6
9	4.0	3.2	4.9	5.4	6.0	154	4.5	4.9	5.3	4.3	4.5	6.0
10	4.0	3.2	4.7	241	5.8	21	4.5	4.7	20	5.2	4.5	8.2
11	4.0	3.3	4.7	8.9	5.6	7.8	4.5	195	4.5	4.7	4.0	7.8
12	4.0	3.3	4.7	366	5.2	7.4	4.3	8.5	4.9	4.5	4.3	7.8
13	4.0	3.4	4.7	1080	5.2	7.0	178	5.8	5.2	4.1	4.1	8.2
14	4.0	3.5	5.2	11	5.6	6.6	374	24	5.2	3.4	3.7	8.2
15	4.0	3.6	5.2	8.2	5.6	6.6	386	8.4	5.2	3.4	3.4	7.0
16	4.0	3.7	4.9	7.8	5.6	250	398	5.6	4.9	4.1	3.3	7.8
17	4.0	3.8	4.7	8.2	5.6	6.0	283	5.6	4.7	4.1	3.3	7.8
18	4.0	3.9	4.5	7.8	5.4	5.8	198	6.0	4.7	4.0	3.8	8.5
19	4.1	4.0	4.7	7.0	5.6	5.8	7.0	112	7.4	4.0	3.7	8.9
20	4.2	4.1	4.7	8.7	5.8	5.6	278	6.2	7.0	4.0	3.4	8.2
21	4.3	V 4.2	4.7	7.0	5.6	5.6	34	10	5.8	3.5	2.8	7.4
22	4.4	4.3	4.5	5.8	5.6	5.8	7.4	6.0	5.4	3.5	2.8	6.2
23	4.5	4.3	4.5	11	913	5.8	7.0	6.2	5.6	4.1	3.3	6.2
24	4.5	4.3	4.1	29	12	5.6	5.6	6.0	5.2	4.0	3.4	6.2
25	4.5	3.8	4.1	9.3	8.5	5.8	5.6	6.0	4.9	4.0	3.7	5.8
26	4.5	4.0	4.1	121	7.8	5.8	5.8	6.0	4.9	3.8	3.8	5.4
27	4.4	3.7	4.1	32	6.6	5.6	6.0	5.4	4.9	3.8	5.6	5.4
28	4.4	4.3	4.3	18	304	5.4	5.6	5.2	4.7	3.8	5.6	5.4
29	4.4	4.9	4.3	88		5.4	8.2	5.2	4.7	3.1	6.0	4.9
30	4.3	3.1	4.3	11		5.2	5.6	4.7	4.5	3.4	5.8	4.7
31	V 4.3		4.7	7.8		5.6		4.3		3.5	5.2	
	175.9	240.6		1375.5		2246.5		491.6	168.3	127.5	124.8	
		1135	2412.1		819.7							188.8
MEAN	5.67	3.78	7.76	77.8	49.1	26.4	74.9	15.9	5.61	4.11	4.03	6.29
ACRE-FEET	349.	225.	477.	4780.	2730.	1630.	4460.	975.	334.	253.	248.	374.

Remarks:

YEAR OR PERIOD MEAN 23.2
ACRE-FEET 16840.





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. INSTALLED OVER A 21-INCH CORRUGATED IRON PIPE STILLING WELL.

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.

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

DISCHARGE MEASUREMENTS OF RIO HONDO BYPASS CHANNEL

AT OR NEAR above Whittier Narrows 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.	RATING	METHOD	MEAS. SEC. NO.	S. HT. CHANGE TOTAL	METER NO.
72	11/1	0656 / 0712	GODFREY-WADDICOR	21.8	24.9	0.52	2.91	13.0		.6	12	-.03	FC28
73	11/1	0842 / 0858	" "	23.5	36.8	0.75	3.34	27.6		.6	13	+.03	"
74	11/1	1048 / 1100	" "	21.0	24.0	0.69	2.76	16.5		.6	12	0	"
75	11/1	1508 / 1520	" "	22.0	29.0	0.92	3.04	26.7		.6	12	+.05	"
76	11/2	0838 / 0848	WADDICOR-GODFREY	20.5	22.1	0.75	2.71	16.5		.6	12	0	FC37
77	11/3	0852 / 0915	" "	22.5	31.7	1.05	3.17	33.2		.6	14	0	"
78	11/4	0841 / 0857	" "	22.3	29.8	1.00	3.09	29.8		.6	15	0	"
79	11/5	0837 / 0855	WADDICOR-SARASUA	22.0	28.2	0.92	3.01	26.1		.6	15	-.005	"
80	11/8	0817 / 0840	WADDICOR	21.8	21.7	1.18	2.98	25.5		.6	15	0	"
81	11/8	0933 / 0947	WADDICOR-SARASUA	20.5	21.2	0.73	2.70	15.4		.6	12	0	"
82	11/9	1120 / 1135	WADDICOR	20.1	22.1	0.83	2.78	18.3		.6	12	0	"
83	11/10	1031 / 1045	"	22.3	29.9	0.98	3.09	29.3		.6	14	0	"
84	11/11	0948 / 1004	"	23.7	36.9	1.18	3.40	43.4		.6	14	0	"
85	11/12	1020 / 1036	"	24.2	40.9	1.27	3.55	52.1		.6	15	0	"
86	11/13	0949 / 1007	"	24.5	42.6	1.35	3.63	57.4		.6	16	+.01	"
87	11/15	1552 / 1612	"	23.8	37.7	1.36	3.48	51.1		.6	16	0	"
88	11/16	1308 / 1330	"	23.5	36.3	1.33	3.41	48.4		.6	16	0	"
89	11/17	0912 / 0914	"	1.3	0.10	0.80	1.91	0.08		.6	3	0	"
90	11/19	0945 / 1005	"	23.8	38.6	1.38	3.48	53.1		.6	16	0	"
91	11/22	1607 / 1624	"	23.7	36.8	1.40	3.43	51.6		.6	16	0	"
92	11/23	1056 / 1120	"	23.5	36.2	1.42	3.41	51.4		.6	16	0	"
93	11/26	0845 / 0903	WADDICOR-SPELLMAN	25.0	45.6	1.56	3.77	71.2		.6	17	-.05	"
94	11/26	0930 / 0957	" "	26.2	54.1	1.63	4.08	88.4		.6	17	+.04	FC37
95	11/26	1047 / 1104	" "	26.8	60.1	1.73	4.30	104.		.6	17	+.03	"
96	11/26	1215 / 1243	WADDICOR	26.2	64.5	1.81	4.50	117.		.6	18	+.03	"
97	11/26	1419 / 1442	WADDICOR-HYLEN	27.5	65.4	1.88	4.52	123.		.6	18	0	"
98	11/29	1240 / 1306	WADDICOR	29.5	79.6	2.02	4.94	161.		.6	20	0	"
99	11/30	0901 / 0920	WADDICOR-SPELLMAN	28.8	77.5	1.99	4.91	154.		.6	19	0	"
100	12/1	1033 / 1054	WADDICOR	24.3	41.7	1.70	3.57	71.1		.6	17	0	"
101	12/2	1338 / 1406	WADDICOR-HYLEN	28.5	74.8	2.06	4.79	154.		.6	19	+.10	"
102	12/2	1512 / 1531	" "	27.5	70.1	2.00	4.67	140.		.6	17	-.01	"
103	12/3	0932 / 0936	WADDICOR	27.5	67.0	1.86	4.48	125.		.6	17	-.11	"
104	12/8	0937 / 0955	"	23.0	33.4	1.53	3.25	51.1		.6	15	0	"
105	12/14	1430 / 1502	GODFREY-SPELLMAN	29.0	79.2	2.06	4.98	163.		.6	19	0	"
106	12/21	1155 / 1216	WADDICOR-SPELLMAN	28.5	77.7	2.18	4.93	169.		.6	19	0	"
107	12/21	1340 / 1404	" "	28.5	79.5	2.16	5.00	172.		.6	19	0	"
108	5/12	0827 / 0940	WADDICOR-SADDORIS	22.0	28.3	1.01	3.03	28.6		.6	13	-.02	"
109	5/13	0923 / 0937	" "	22.4	28.3	1.14	3.06	32.2		.6	13	0	"
110	5/14	1007 / 1018	SADDORIS	27.2	59.8	1.56	4.31	93.4		.6	16	0	FC55
111	5/14	1433 / 1443	SADDORIS-HYLEN	27.0	63.6	1.55	4.39	98.7		.6	14	0	"
112	5/15	0913 / 0930	WADDICOR-SADDORIS	24.0	64.6	1.78	4.71	115.		.6	13	-.02	FC37
113	5/15	1515 / 1528	SADDORIS-MIRAMON	25.0	72.6	1.80	4.99	131.		.6	13	0	"
114	5/15	0905 / 0930	WADDICOR-BRADLEY	25.0	76.3	1.74	5.16	133.		.6	15	0	"
115	5/17	0943 / 1000	WADDICOR	23.8	71.8	1.82	5.12	131.		.6	14	0	"
116	5/10	0955 / 1005	WADDICOR-SADDORIS	25.5	75.0	1.92	5.09	144.		.6	14	-.01	"
117	5/21	1020 / 1035	WADDICOR	25.5	76.4	1.87	5.04	143.		.6	14	0	"
118	5/22	0956 / 1010	WADDICOR-BRADLEY	25.0	70.2	1.91	4.94	134.		.6	14	0	"
119	5/23	0950 / 1005	WADDICOR	25.0	70.8	1.94	4.97	137.		.6	14	0	"
120	9/19	0737 / 0755	WADDICOR-ROY	25.5	50.3	2.19	3.97	110.		.6	15	0	"
121	9/20	0835 / 0856	" "	26.3	67.7	2.44	4.67	165.		.6	15	0	"
122	9/21	0855 / 0916	" "	27.0	71.2	2.44	4.76	174.		.6	16	-.01	"
123	9/22	0903 / 0927	" "	27.0	68.6	2.50	4.69	172.		.6	16	0	"
124	9/25	1002 / 1032	WADDICOR	26.5	65.8	2.31	4.54	152.		.6	17	0	"
125	9/26	0840 / 0900	WADDICOR-ROY	26.5	64.1	2.42	4.50	155.		.6	16	0	"

DISCHARGE MEASUREMENTS OF RIO HONDO BY-PASS CHANNEL

AT OR NEAR above Whittier Narrows Dam 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.	S. HT. CHANGE TOTAL	METER NO.
126	10/8	0858 / 0928	WADDICOR	25.5	60.6	2.61	4.40	158.		.6	15	0	FC37
127	10/9	1503 / 1534	WADDICOR-WOOD	25.6	60.8	2.58	4.39	159.		.6	15	+.01	"
128	10/11	1235 / 1257	WADDICOR	24.5	57.3	2.62	4.28	150.		.6	15	-.01	"
129	10/12	2193 / 2120	WADDICOR-WOOD	24.0	43.8	2.30	3.71	101.		.6	14	-.18	"
130	10/12	2215 / 2234	" "	21.0	29.9	1.82	3.13	54.4		.6	13	-.14	"
131	11/1	1955 / 2010	WADDICOR-ROY	18.0	14.9	0.95	2.36	14.7		.6	12	+.40	"
132	11/1	2034 / 2052	" "	21.3	31.7	1.96	3.18	62.3		.6	14	+.21	"
133	11/2	1010 / 1037	" "	26.2	60.3	2.64	4.36	159.		.6	17	0	"
134	11/7	0842 / 1012	ROY-WADDICOR	24.0	47.6	2.50	3.87	119.		.6	15	0	"
135	11/9	1500 / 1526	" "	23.7	45.1	2.30	3.70	104.		.6	14	0	"
136	11/15	1105 / 1132	" "	24.0	49.1	2.50	3.92	123.		.6	15	0	"
137	11/21	0842 / 1004	" "	24.0	48.8	2.50	3.89	122.		.6	14	0	"
138	12/13	0953 / 1016	" "	25.5	63.7	2.70	4.47	172.		.6	14	0	"
139	12/14	1115 / 1135	WADDICOR-ROY	24.5	59.5	2.66	4.33	158.		.6	15	0	"
140	12/17	0934 / 0958	ROY-WADDICOR	24.0	57.3	2.81	4.31	161.		.6	14	0	"
141	12/19	0926 / 0956	" "	25.5	57.6	2.57	4.27	148.		.6	15	+.01	"
142	12/19	1525 / 1552	" "	25.7	62.0	2.71	4.43	168.		.6	16	0	"
143	12/21	0958 / 1024	" "	25.5	58.5	2.68	4.31	157.		.6	16	0	"
144	12/26	0725 / 0740	WADDICOR	25.5	54.0	2.96	4.34	160.		.6	16	0	"
145	12/28	0843 / 0910	ROY-WADDICOR	26.0	60.6	2.72	4.38	165.		.6	17	0	"
146	1/2	0930 / 0955	" "	25.5	59.3	2.63	4.34	156.		.6	15	-.02	"
147	3/29	1648 / 1655	WADDICOR	19.0	19.6	1.18	2.54	23.2		.6	12	+.08	"
148	3/30	0939 / 0958	ROY-WADDICOR	22.9	42.4	2.24	3.68	95.2		.6	15	0	"
149	4/1	1047 / 1112	" "	23.8	47.8	2.34	3.85	112.		.6	15	-.02	"
150	4/3	0908 / 0929	" "	25.1	56.3	2.49	4.20	140.		.6	15	0	"
151	4/8	0845 / 0907	WADDICOR-ROY	24.6	52.9	2.46	4.06	130.		.6	15	0	"
152	4/19	0855 / 0915	ROY-WADDICOR	24.0	50.7	2.41	3.99	123.		.6	14	0	"
153	4/22	0857 / 0915	" "	23.9	48.8	2.36	3.90	115.		.6	14	0	"
154	4/24	0922 / 0940	" "	24.4	53.1	2.41	4.06	128.		.6	14	0	"

76DT4M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F313-R

RIO HONDO BY-PASS CHANNEL

Daily discharge, in second-feet of above Whittier Narrows Dam, for the year ending September 30, 19 56

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		19	68									
2		27	79									
3		30	110									
4		27	15									
5		24	0									
6		20	+									
7		20	26									
8		18	80									
9		24	146									
10		28	157									
11		41	169					+				
12		50	167					21				
13		41	162					37				
14		10	162					101				
15		47	162					123				
16		42	164					133				
17		0.1	165					131				
18		0	167					144				0.8
19		51	165					144				127
20		51	170					142				171
21		32	171					141				172
22		26	171					136				165
23		50	39					139				162
24		52	0					98				155
25		48	0					1.3				150
26		92	0									164
27		118	0									167
28		135	0									161
29		159	0									156
30		156	0									* 159
31			0									
		1438.1	2715.0					1491.3				1909.8
MEAN		47.9	87.6					48.1				63.7
ACRE-FEET		2850.	5390.					2960.				3790.

Remarks: + = 0.5 CFS OR LESS

* 25 HR. DAY

YEAR OR PERIOD MEAN 20.6
ACRE-FEET 14,990.

76DT4M Gb 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 57

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	157	19	0	161	0	0	125					
2	154	160	0	118	0	0	143					
3	154	161	0	0.4	0	0	138					
4	89	148	0	0	0	0	131					
5	85	135	0	0	0	0	130					
6	161	132	0	0	0	0	131					
7	158	119	0	0	0	0	130					
8	159	108	0	0	0	0	130					
9	160	102	0	0	0	0	132					
10	158	108	0	0	0	0	130					
11	155	108	0	0	0	0	123					
12	145	108	29	0	0	0	113					
13	19	107	168	0	0	0	2.3					
14	0	112	166	0	0	0	0					
15	0	123	161	0	0	0	0					
16	0	123	160	0	0	0	0					
17	0	121	160	0	0	0	0					
18	0	116	152	0	0	0	3.4					
19	0	117	153	0	0	0	123					
20	0	123	157	0	0	0	110					
21	0	107	159	0	0	0	75					
22	0	+	162	0	0	0	88					
23	0	0	160	0	0	0	117					
24	0	0	163	0	0	0	131					
25	0	0	163	0	0	0	145					
26	0	0	160	0	0	0	125					
27	0	0	163	0	0	0	0					
28	0	0	164	0	0	0	0					
29	0	0	163	0		18	0					
30	0	0	162	0		93	0					
31	0		161	0		108						
	17369	2457	3086	279.4	0	219	2506.3	0	0	0	0	0
MEAN	56.0	81.9	99.5	9.01	0	7.06	83.5	0	0	0	0	0
ACRE-FEET	3450.	4870.	6120.	554.	0	434.	4970.	0	0	0	0	0

RECORDER STOPPED FOR SEASON

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 28.1
ACRE-FEET 20,400.

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 30 FEET ABOVE STATION.

RECORDER: INSTALLED MARCH 1, 1928 AT STATION F45-R. REMOVED APRIL 18, 1951 FOR CHANNEL CONSTRUCTION. REINSTALLED AT STATION F45B-R ON OCTOBER 31, 1951 OVER A 48 INCH DIAMETER CONCRETE STILLING WELL. AN AU CONTINUOUS RECORDER IN SERVICE FROM OCTOBER 31, 1955 TO SEPTEMBER 30, 1957.

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, 1957. (FOR RECORDS PRIOR TO MARCH, 1928, SEE STATE DIVISION OF WATER RIGHTS BULLETINS.)

EXTREMES OF DISCHARGE:

1955-56
MAXIMUM 11640 SECOND-FEET JANUARY 26.
MINIMUM NO FLOW AT VARIOUS TIMES.

1956-57
MAXIMUM 6560 SECOND-FEET FEBRUARY 23.
MINIMUM NO FLOW AT VARIOUS TIMES.

1929-57
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

~~AT~~ NEAR above Stewart and Gray 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.
89	11/14	0540 / 0550	BONADIMAN-SADDORIS	105.	176.	6.16	2.22	1083.		.6	9	-.05	FC19
90	11/14	1533 / 1546	SADDORIS-BONADIMAN	98.0	27.3	1.29	0.62	35.2		.5 / .6	9	-.01	"
91	11/21	1214 / 1223	BONADIMAN	100.	79.3	2.62	1.05	207.		.6	9	-.10	"
92	11/21	1342 / 1353	"	103.	12.4	3.88	1.51	480.		.6	9	-.03 / +.06	"
93	11/21	1536 / 1545	"	99.0	169.	7.04	2.11	1190.		.6	9	+.04	"
94	11/22	0859 / 0910	"	29.0	8.74	0.66	0.29	5.80		.5	9	-.02	"
95	12/1	2220 / 2230	SADDORIS-BONADIMAN	103.	102.	2.94	1.36	299.		.6	10	+.02	"
96	12/2	1030 / 1042	BONADIMAN	35.0	10.4	1.18	0.40	12.2		.5	9	0	"
97	12/4	0725 / 0732	"	30.0	6.08	0.72	0.27	4.4	FLOATS	.5	6	0	"
98	12/4	0912 / 0922	"	99.0	63.7	2.31	1.02	147.		.6	9	-.04	"
99	12/25	0871 / 0836	"	98.0	36.0	1.44	0.62	51.8		.6	13	-.02	"
100	12/26	1012 / 1020	"	12.0	1.62	1.11	0.18	1.8	FLOATS	5	0		"
101	1/23	0906 / 0912	"	15.0	1.11	0.90	0.14	1.0	"	5	0		"
102	1/25	1555 / 1610	BONADIMAN-FALCONE	110	193.	7.25	2.37	1400.		.6	10	+.13	"
103	1/26	0930 / 0955	" "	117.	490.	11.9	4.63	5830.		.6	10	.05	"
104	1/76	1815 / 1830	SADDORIS-GRIJALVA	125.	592.	12.1	4.80	7150		.6	7	-.41	FC40
105	1/28	0943 / 1008	SADDORIS	63.0	11.6	3.03	0.32	29.7	FLOATS		7	0	FC40
106	1/29	0943 / 0957	FALCONE BONADIMAN	76.0	16.3	1.72	0.38	28.0		.6	8	0	FC19
107	1/31	0840 / 0852	BONADIMAN-FALCONE	98.0	37.8	2.11	0.59	80.0		.6	10	-.02	"
108	2/23	0906 / 0915	BONADIMAN	50.0	11.3	1.52	0.29	16.6		SURF .5	8	+.02	"
109	2/23	1044 / 1055	"	99.0	33.3	1.60	0.54	53.3		FLOATS .6	11	0	"
110	2/24	1505 / 1510	SADDORIS-FALCONE	35.0	5.07	0.93	0.20	4.7	FLOATS		7	0	
111	4/11	0700 / 0709	FALCONE-BONADIMAN	51.0	10.1	1.36	0.31	13.7		.5	7	-.02	FC19
112	4/12	0543 / 0557	BONADIMAN-FALCONE	198.	52.5	3.12	0.72	164.		.6	8	-.02	FC19
113	4/12	1025 / 1035	SADDORIS-SJOSTEDT	102.	75.4	3.69	0.95	278.		.6	12	-.06	FC23
114	4/12	1225 / 1240	" "	107.	173.	7.27	1.87	1260.		.6	12	-.08	FC47
115	4/12	1535 / 1547	" "	99.	39.9	2.48	0.67	98.9		.6	11	-.01	FC23
116	4/13	1855 / 1900	BONADIMAN-FALCONE	99.5	31.2	1.73	0.52	53.9		.5	9	-.02	FC19
117	4/14	0833 / 0843	" "	7.0	0.42	.67	0.09	0.28	FLOATS		3	0	FC19
118	4/26	1145 / 1155	SADDORIS-SJOSTEDT	104.	119.	4.91	1.30	586.		.6	13	-.05	FC47
119	4/27	0855 / 0860	BONADIMAN-FALCONE	12.0	1.33	1.00	0.16	1.3	FLOATS		4	-.02	FC19
120	5/9	0325 / 0355	" "	98.0	43.4	2.08	0.64	90.2		.6	10	-.02	"
121	5/24	0827 / 0832	BONADIMAN	28.5	2.75	1.39	0.14	3.8	FLOATS		5	0	"

DISCHARGE MEASUREMENTS OF RIO HONDO

~~AT~~ NEAR above Stewart and Gray Road 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	METH-OD	MEAS. SEC. NO.	D. HT. CHANGE TOTAL	METER NO.
122	10/4	1200 / 1210	BONADIMAN		CHANNELS		0.38	17.3		.5	9	-.02	FC19
123	12/5	2220 / 2227	BONADIMAN-WOOD	92.0	22.2	1.56	0.52	34.6		.6	8	-.01	"
124	12-6	0954 / 1000	WOOD-BONADIMAN	22.0	1.62	1.11	0.15	1.8	FLOATS	4	0		
125	1/5	0320 / 0330	" "	52.0	12.7	1.86	0.39	23.7		.5	7	+.02	FC19
126	1/5	0337 / 0344	" "	99.0	53.0	2.77	0.81	147.		.6	9	-.01	"
127	1/5	1530 / 1540	FALCONE-SADDORIS	53.0	10.6	1.24	0.36	13.1		.6	12	-.02	FC55
128	1/6	0800 / 0802	BONADIMAN	10.0	0.30	0.80	0.10	0.24	FLOATS	3	0		
129	1/10	0210 / 0220	WOOD-BONADIMAN	99.0	36.8	2.08	0.61	78.8		.6	8	-.02	FC19
130	1/13	0145 / 0155	BONADIMAN-WOOD	112.	326.	8.96	3.30	2920.		.6	9	-.10	"
131	1/13	0335 / 0410	SADDORIS-FALCONE	120.	395.	9.66	3.50	3820.		.6	14	+.20	FC55
132	1/20	1510 / 1522	ROY-BONADIMAN	102.	86.0	3.46	0.99	298.		.6	10	-.06	FC19
133	1/24	0838 / 0848	SARASUA-ROY	30.0	2.60	1.73	0.20	4.5	FLOATS	7	0		
134	1/26	0550 / 0600	" "	101.	48.5	2.47	0.72	120.		.6	13	-.05	FC19
135	1/29	1055 / 1105	" "	43.0	5.15	0.91	0.26	4.7		.5	7	0	"
136	2/23	1332 / 1336	BONADIMAN-WOOD	59.0	13.4	1.30	0.36	17.5		.6	6	-.02	FC19
137	2/28	1542 / 1554	ROY-BONADIMAN	101.	41.5	2.07	0.62	86.0		.6	11	-.03	"
138	3/16	0857 / 0904	WOOD-PASQUA	99.0	54.8	3.09	0.79	169.0		.6	9	-.06	FC57
139	3/16	1307 / 1316	MC BRIDE-BONADIMAN	61.0	14.8	1.27	0.37	18.8		SURF .5	6	-.02	FC19
140	4/17	2325 / 2340	" "	103.	64.9	2.98	0.82	193.		.6	11	0	"
141	4/18	0857 / 0901	BONADIMAN-MC BRIDE	27.0	3.68	0.76	0.15	2.7		SURF	4	0	"
142	4/18	1122 / 1123	WOOD	112.	55.8	2.85	0.75	159.		.6	10	-.10	FC57
143	4/20	1407 / 1415	MC BRIDE-BONADIMAN	106.	56.9	2.61	0.73	148.		.6	8	-.06	FC19
144	5/11	1659 / 1705	BONADIMAN-WOOD	55.0	13.9	1.23	0.31	17.0		.5	7	-.02	"
145	5/19	0834 / 0844	BONADIMAN	93.5	25.7	1.62	0.41	41.7		.6	8	-.02	"
146	6/10	0912 / 0920	"	62.0	15.3	1.39	0.40	21.2		.6	7	0	"
147	6/11	1018 / 1020	"	5.0	0.12	0.67	0.08	0.08	FLOATS	3	0		

76D74M Gb 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 56

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	52	0	0.5	0	0.6	0	0	0	0	0
2	0	0	27	0	0	0	0.4	0	+	0	0	0
3	0	0	0	0	0	+	0	0	+	0	0	0
4	0	0	66	0	0	+	0	0	+	0	0	0
5	0	0	5.4	0	0	+	0	0	+	0	0	0
6	0	0	0.4	0	0	0	0	0	0	0	0	0
7	0	0	0.9	0	0	0	0	0	+	0	0	0
8	0	0	0	0	1.3	0	0	0.2	|	0	0	0
9	0	0	0	0	+	0	0	52	|	0	0	0
10	0	0	0	0	0	0	0	0.8	|	0	0	0
11	0	0	0	0	0	0	4.2	0	|	0	0	0
12	0	0	0.2	0	0	0	22.9	0	|	0	0	0
13	0	0	0	0	0	0	7.8	0	|	0	0	0
14	0	20.4	0	0	0	0	2.8	+	|	0	0	0
15	0	1.2	0	0	0	0	0.4	|	+	0	0	0
16	0	b 0.3	0	0	0	0	0	|	0	0	0	0
17	0	1.5	0	0	0	0	0	|	0	0	0	0
18	0	0.7	0	0	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
21	0	24.3	0	0	0	0	0	|	0	0	0	0
22	0	6.4	0	0	0	0	0	+	0	0	0	0
23	0	b +	2.3	2.3	2.4	0	0	0	0	0	0	0
24	0	0	2.5	0.4	4.8	0	0	2.0	0	0	0	0
25	0	0	3.4	4.53	1.1	0	0	+	0	0	0	0
26	0	0	2.2	4910	+	0	58	+	0	0	0	0
27	0	0	2.9	564.	0	0	2.1	0	0	0	0	0
28	0	0	1.8	23	0	0	1.2	0	0	0	0	0
29	0	0	+	33	0	0	0	0	0	0	0	0
30	0	0	0	68		0	0	0	0	0	0	0
31	0		0	136		0		0		0	0	
	0	457.1	218.3	6189.7	31.7	+	376.7	55.0	+	0	0	0
MEAN	0	15.2	7.04	200.	1.09	+	12.6	1.77	+	0	0	0
ACRE-FEET	0	907.	433.	12280.	63.	+	747.	109.	+	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 20.9 ACRE-FEET 14540.

76D74M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

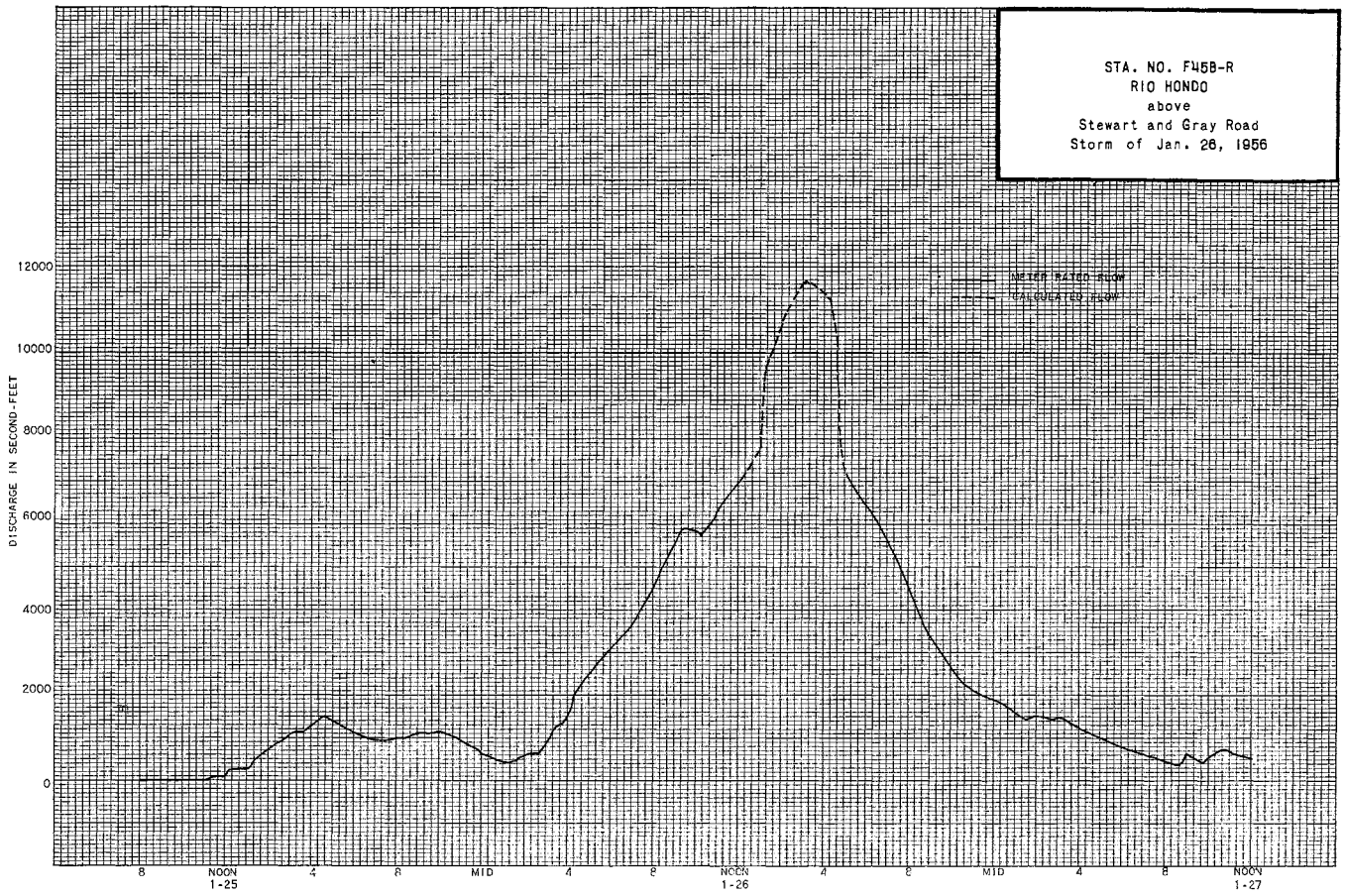
Sta. No. F45B-R

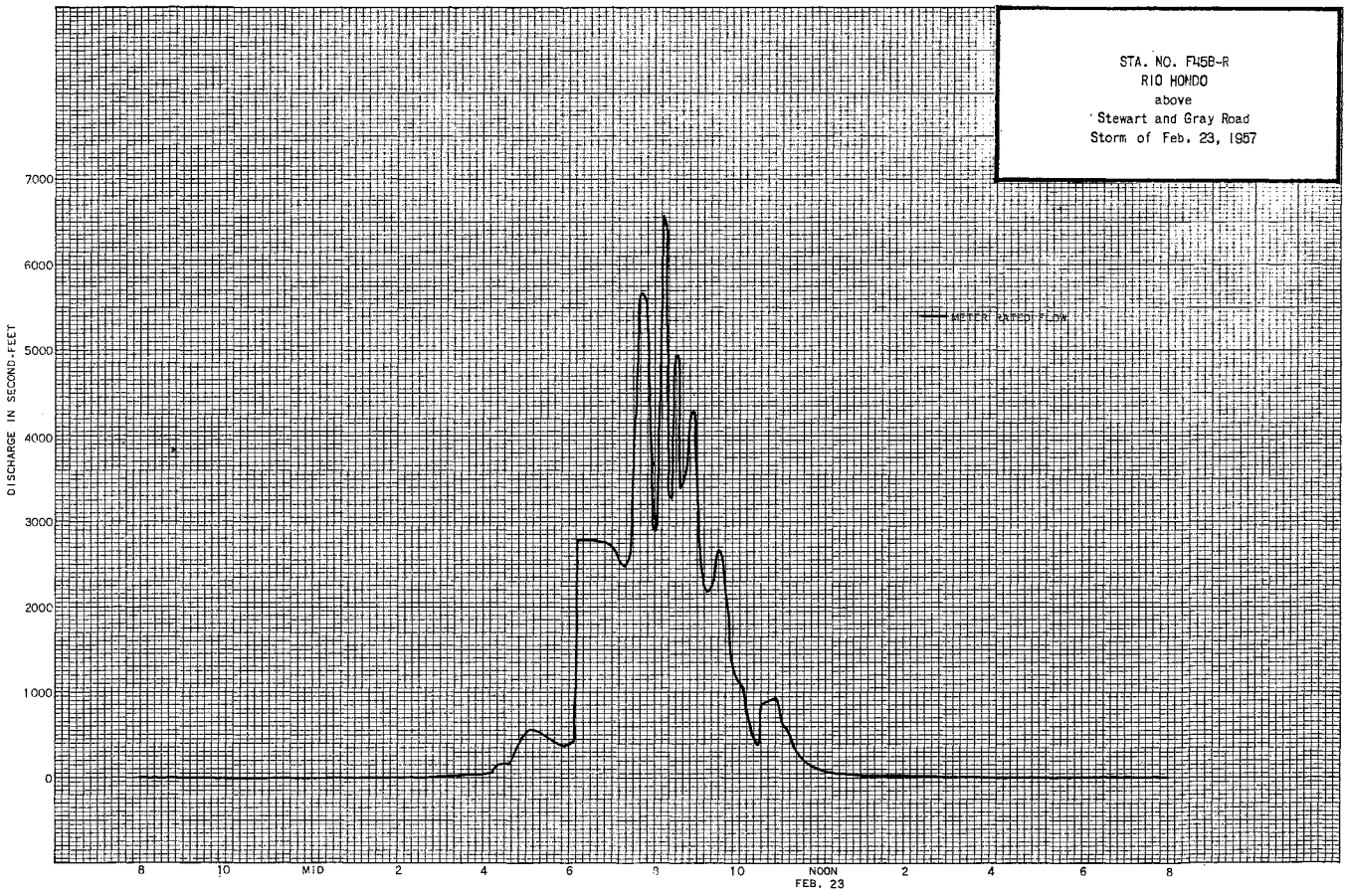
Daily discharge, in second-feet of RIO HONDO above Stewart and Gray Road, for the year ending September 30, 19 57

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	60	0	+	0	0	0	0
2	0	0	0	0	0	0.4	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	3.9	0	0	1.1	0	0	0	0	0	0	0	0
5	0.4	0	16.5	4.9	0	0	0	0	0	0	0	0
6	0	0	2.7	0.3	0	0	0	0	0	0	0	0
7	0	0	0	0.8	0	0	0	0	0	0	0	0
8	0	0	0	0.3	0	0	0	0	0	0	0	0
9	0	+	0	0	0	12.3	0	0	0	0	0	0
10	0	+	0	35	0	0.6	0	0	8.6	0	0	0
11	0	0	0	0.3	0	0	0	28	0.2	0	0	0
12	+	0	0	176	0	0	0	+	0	0	0	0
13	+	0	0	967	0	0	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	0	0
16	0	0	0	0	0	96	0	+	0	0	0	0
17	0	0	0	0	0	+	8.5	0	0	0	0	0
18	0	0	0	0	0	0	4.9	0	0	0	0	0
19	0	0	0	0	0	+	+	11.0	0	0	0	0
20	0	0	0	2.4	0	0	4.1	0	0	0	0	0
21	+	0	0	+	0	0	1.8	1.8	0	0	0	0
22	+	0	0	0	0	0	+	0	0	0	0	0
23	+	0	0	1.1	611	0	+	0	0	0	0	0
24	0	0	0	4.3	4.5	0	+	0	0	0	0	0
25	0	0	0	2.3	0.9	0	0	0	0	0	0	0
26	0	0	0	43	+	0	0	0	0	0	0	0
27	0	0	0	2.1	0	0	0	0	0	0	0	0
28	0	0	0	+	68	0	0.8	0	0	0	0	0
29	0	0	0	5.4		0	+	0	0	0	0	0
30	0	+	0	1.2		0	+	0	0	0	0	0
31	0		0	0		0		0		0	0	
	4.3	+	19.2	1313.2	684.4	168.7	101.1	40.8	8.8	0	0	0
MEAN	0.14	+	0.61	42.4	24.4	5.44	3.37	1.32	0.29	0	0	0
ACRE-FEET	8.5	+	38.	2600.	1360.	335.	201.	81.	17.	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 6.41 ACRE-FEET 4640.


STA. NO. F45B-R
RIO HONDO
above
Stewart and Gray Road
Storm of Jan. 26, 1956
METER RATED FLOW
CALCULATED FLOW
DISCHARGE IN SECOND-FEET
12000
10000
8000
6000
4000
2000
0
8
NOON
1-25
4
8
MID
4
8
NOON
1-26
4
8
MID
4
8
NOON
1-27


STA. NO. F45B-R
RIO HONDO
above
Stewart and Gray Road
Storm of Feb. 23, 1957
METER RATED FLOW
DISCHARGE IN SECOND-FEET
7000
6000
5000
4000
3000
2000
1000
0
8
10
MID
2
4
6
8
10
NOON
FEB. 23
2
4
6
8

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., R1OW., 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 1957.

AVERAGE DISCHARGE: 40 YEARS, 2.88 SECOND-FEET.

EXTREMES OF DISCHARGE:
1955-56
MAXIMUM DISCHARGE 485 SECOND-FEET JANUARY 26. (GAGE HEIGHT 6.40 FEET.)
MINIMUM NO FLOW DURING SOME MONTHS.

1956-57
MAXIMUM DISCHARGE 90. SECOND-FEET JANUARY 13., (GAGE HEIGHT 4.11 FEET.)
MINIMUM NO FLOW DURING SOME MONTHS.
1917-57
MAXIMUM DISCHARGE ABOUT 2600 SECOND-FEET APRIL 7, 1926.
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. TEN DISCHARGE MEASUREMENTS FURNISHED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF ROGERS CREEK

~~RIVER~~ 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.	RATINGS	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1696	12/28		U.S.G.S.				2.31	0.10		FLUME		0	
1697	1/4	0945 / 0950	STUNDEN	0.5	0.07	0.71	2.27	0.05		.5	4	0	FC50
1698	1/10		U.S.G.S.				2.24	0.04		FLUME		0	
1699	1/18	0838 / 0843	STUNDEN-PHENIX	0.5	0.06	0.33	2.24	0.02				0	FC50
1700	1/24		U.S.G.S.				2.28	0.06		FLUME		0	
1701	1/26		"	27.0	41.8	6.15	5.21	257.		.6	12	+.14	
1702	1/30		"	11.0	4.42	1.03	2.84	4.54		.5 / .6	18	-.16	
1703	2/10		"	5.9	2.29	0.65	2.60	1.49		.5 / .6	14	0	
1704	3/1	0955 / 1005	STUNDEN	3.4	1.44	1.04	2.60	1.47		.6	8	0	FC50
1705	3/6		U.S.G.S.	5.3	1.85	0.67	2.56	1.24		.5 / .6	20	0	
1706	3/20		"	4.2	1.36	0.49	2.50	0.67		.6	16	0	
1707	4/4		"	4.2	1.18	0.31	2.45	0.37		.5 / .6	16	0	
1708	4/18		"	4.2	1.74	0.72	2.58	1.25		.6	17	0	
1709	5/3		"	4.1	1.64	0.64	2.55	1.05		.6	16	0	
1710	5/17		"		CHANNELS		2.59	1.42		.5 .6 / .8	28	0	
1711	5/28		"	4.0	1.58	0.71	2.55	1.12		.6	17	0	
1712	6/12		"	3.1	0.84	0.19	2.36	0.16		.5 / .6	13	0	
1713	6/26		"				2.28	0.06		FLUME		0	

DISCHARGE MEASUREMENTS OF ROGERS CREEK

~~RIVER~~ above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1957

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.
1714	1/13		U.S.G.S.	13.4	7.02	2.16	3.10	15.2		.6	23	-.03	
1715	1/23		"	2.0	0.48	1.02	2.39	0.49		.5	8	0	
1716	2/5		"	4.7	1.23	0.77	2.50	0.95		.6 / .5	16	0	
1717	2/7	1630 / 1645	HOLLERON	4.6	1.33	0.77	2.46	0.87		.5	12	0	
1718	2/14		U.S.G.S.	4.6	0.97	0.44	2.39	0.43		.5	13	0	
1719	2/20	1405 / 1417	MC BRIDE-HOLLERON	4.5	0.99	0.44	2.37	0.44		.5	8	0	
1720	2/23		U.S.G.S.	13.2	6.53	2.19	3.09	14.3		.5 / .6	22	-.03	
1721	3/5		"	11.2	5.00	0.46	2.66	2.32		.5 / .6	25	0	
1722	3/6	1500 / 1512	HOLLERON	4.6	1.76	1.02	2.62	1.77		.6 / .5	10	0	
1723	3/20		U.S.G.S.	4.7	1.49	0.89	2.54	e 1.33		.5 / .6	23	0	
1724	3/28	1608 / 1616	HOLLERON	4.4	1.22	0.74	2.43	0.90		.5	6	0	
1725	3/30		U.S.G.S.	2.7	0.86	0.85	2.43	0.73		.6	10	0	
1726	4/12		"	1.7	0.42	1.19	2.40	0.50		.5	9	+.01	
1727	4/24	0910 / 0920	HOLLERON	2.7	1.05	0.94	2.51	0.99		.5	8	0	
1728	5/7		U.S.G.S.	1.6	0.36	0.92	2.36	0.33		.5	9	0	
1729	5/22	1020 / 1030	HOLLERON	4.3	1.47	0.88	2.54	1.3		.5	11	0	
1730	5/23		U.S.G.S.	2.1	0.76	1.37	2.52	1.04		.5 / .6	12	0	
1731	6/11	1000 / 1010	HOLLERON				2.40	0.42				0	
1732	6/12		U.S.G.S.	0.8	0.16	1.31	2.34	0.21		.5	5	0	

76D74M Cab 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, 19 56

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0.1	3.4	1.5	0.5	1.2	0.8	0	0	0
2	0	0	0	0.1	3.0	1.4	0.5	1.1	0.7	0	0	0
3	0	0	0	0.1	3.0	1.3	0.5	1.0	0.6	0	0	0
4	0	0	0	0.1	2.5	1.4	0.4	1.0	0.5	0	0	0
5	0	0	0	0	2.5	1.3	0.4	0.9	0.5	0.1	0	0
6	0	0	0	0	2.0	1.2	0.3	0.9	0.5	0	0	0
7	0	0	0	0	2.0	1.2	0.3	0.9	0.5	0	0	0
8	0	0	0	0	2.0	1.2	0.3	0.9	0.4	0	0	0
9	0	0	0	0	1.5	1.1	0.3	6.5	0.4	0	0	0
10	0	0	0	0	1.4	1.1	0.4	5.2	0.3	0	0	0
11	0	0	0	0	1.4	1.0	0.5	3.6	0.3	0	0	0
12	0	0	0	0	1.3	0.9	3.4	2.9	0.3	0	0	0
13	0	0	0	0	1.2	0.9	4.8	2.4	0.2	0	0	0
14	0	0	0	0	1.2	0.9	2.4	2.0	0.2	0	0	0
15	0	0	0	0	1.2	0.9	1.6	1.8	0.2	0	0	0
16	0	0	0	0	1.2	0.8	1.4	1.6	0.2	0	0	0
17	0	0	0	0	1.1	0.8	1.3	1.4	0.2	0	0	0
18	0	0	0	0	1.1	0.7	1.2	1.3	0.2	0	0	0
19	0	0	0	0	1.0	0.7	1.1	1.2	0.2	0	0	0
20	0	0	0	0	1.0	0.7	1.0	1.2	0.2	0	0	0
21	0	0	0	0	1.0	0.7	0.9	1.2	0.2	0	0	0
22	0	0	0	0	1.0	0.7	0.8	1.1	0.2	0	0	0
23	0	0	0.1	0.1	4.2	0.7	0.8	1.1	0.2	0	0	0
24	0	0	0.1	0.1	3.6	0.6	0.8	1.2	0.2	0	0	0
25	0	0	0.1	3.0	2.3	0.6	0.7	1.2	0.1	0	0	0
26	0	0	0.1	13.9	2.0	0.6	2.3	1.2	0.1	0	0	0
27	0	0	0.1	4.8	1.8	0.5	2.3	1.2	0.1	0	0	0
28	0	0	0.1	6.0	1.7	0.5	1.6	1.2	0	0	0	0
29	0	0	0.1	5.0	1.6	0.4	1.3	1.1	0	0	0	0
30	0	0	0.1	4.6		0.4	1.2	1.0	0	0	0	0
31	0		0.1	5.0		0.4		0.9		0	0	
	0	0	0.9	211.2	54.2	27.1	35.3	51.4	8.5	0.1	0	0
MEAN	0	0	0.03	6.81	1.87	0.87	1.18	1.66	0.28	0.003	0	0
ACRE-FEET	0	0	1.8	419.	108.	54.	70.	102.	17.	0.2	0	0

Remarks:

YEAR OR PERIOD MEAN 1.06
ACRE-FEET 772.

76D74M Cab 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, 19 57

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	1.6	5.2	0.7	0.4	0.3	0	0	0
2	0	0	0	0	1.4	3.9	0.7	0.4	0.2	0	0	0
3	0	0	0	0	1.2	3.2	0.7	0.4	0.2	0	0	0
4	0	0	0	0	1.0	2.6	0.6	0.3	0.1	0	0	0
5	0	0	0	0	0.9	2.3	0.6	0.3	0.1	0	0	0
6	0	0	0	0	0.9	1.8	0.6	0.3	0.1	0	0	0
7	0	0	0	0	0.9	1.5	0.5	0.3	0.1	0	0	0
8	0	0	0	0.6	0.8	1.3	0.5	0.3	0.2	0	0	0
9	0	0	0	0.3	0.8	2.5	0.5	0.3	0.2	0	0	0
10	0	0	0	2.0	0.7	3.2	0.5	0.3	0.5	0	0	0
11	0	0	0	1.2	0.6	2.2	0.5	0.7	0.4	0	0	0
12	0	0	0	1.2	0.5	2.0	0.5	0.7	0.2	0	0	0
13	0	0	0	2.9	0.4	1.8	0.5	0.5	0.2	0	0	0
14	0	0	0	5.0	0.4	1.7	0.5	0.5	0.3	0	0	0
15	0	0	0	3.0	0.4	1.5	0.6	0.5	0.3	0	0	0
16	0	0	0	2.5	0.4	2.1	0.5	0.4	0.2	0	0	0
17	0	0	0	1.5	0.4	1.8	0.6	0.4	0.1	0	0	0
18	0	0	0	1.0	0.4	1.7	0.7	0.4	0	0	0	0
19	0	0	0	0.8	0.4	1.5	1.0	4.8	0	0	0	0
20	0	0	0	0.6	0.4	1.3	1.4	2.3	0	0	0	0
21	0	0	0	0.5	0.4	1.3	2.5	1.7	0	0	0	0
22	0	0	0	0.5	0.4	1.2	1.4	1.2	0	0	0	0
23	0	0	0	0.5	1.7	1.1	1.2	1.0	0	0	0	0
24	0	0	0	0.6	5.6	1.1	1.0	0.8	0	0	0	0
25	0	0	0	0.9	4.1	1.1	0.8	0.7	0	0	0	0
26	0	0	0	3.3	3.2	1.0	0.7	0.5	0	0	0	0
27	0	0	0	2.5	2.5	1.0	0.5	0.5	0	0	0	0
28	0	0	0	2.0	3.9	0.9	0.5	0.5	0	0	0	0
29	0	0	0	2.5		0.8	0.4	0.5	0	0	0	0
30	0	0	0	2.3		0.8	0.4	0.4	0	0	0	0
31	0		0	2.0		0.8		0.4		0	0	
	0	0	0	66.3	51.6	56.2	21.9	22.7	3.7	0	0	0
MEAN	0	0	0	2.14	1.84	1.81	0.73	0.73	0.12	0	0	0
ACRE-FEET	0	0	0	132.	102.	111.	43.	45.	7.3	0	0	0

Remarks:

YEAR OR PERIOD MEAN 0.61
ACRE-FEET 440.

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 FT. WIDE X 10.5 FT. DEEP TO BOTTOM OF 0.5 FT. INVERT WITH 0.5 FT. FILLETTS AT VERTICAL SIDE WALLS.

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

RECORDER: INSTALLED NOVEMBER 6, 1936 OVER A 4 FT. X 3 FT. CONCRETE WELL. AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1955 TO OCTOBER 26, 1956 AN AU RECORDER IN SERVICE FROM OCTOBER 26, 1956 TO SEPTEMBER 30, 1957.

REGULATION: FLOW PARTIALLY REGULATED BY LAS FLORES AND RUBIO DEBRIS BASINS.

DIVERSIONS: NONE.

RECORDS AVAILABLE: NOVEMBER 6, 1936 TO SEPTEMBER 30, 1957. FOR PREVIOUS RECORDS ON RUBIO WASH SEE STATIONS F82-R, F107-R, F82B-R, IN PREVIOUS REPORTS.

EXTREMES OF DISCHARGE:
1955-56
MAXIMUM 1970 SECOND-FEET JANUARY 26.
MINIMUM NO FLOW PART OF YEAR.
1956-57
MAXIMUM 2980 SECOND-FEET FEBRUARY 23.
MINIMUM PLUS FLOW OCTOBER 21.
1930-57 (STATIONS F82-R, F82B-R, F82C-R).
MAXIMUM 3020 SECOND-FEET JANUARY 16, 1952.
MINIMUM NO FLOW AT TIMES EACH YEAR.

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.

DISCHARGE MEASUREMENTS OF RUBIO WASH

AT ~~NEAR~~ Glendon Way DURING THE YEAR ENDING SEPTEMBER 30, 1957

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. REC. NO.	D. CHANGE TOTAL	METER NO.
64	1/5	1040 / 1050	FALCONE-SADDORIS	24.0	0.80	3.26	0.20	2.6		FLOATS	7	0	

78D14M Cls 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	0.2	0.2	27	+	0.2	+	7.7	0.1	+	0.2	0.1	0.2
2	0.2	0.2	1.0	+	+		0.4	0.1		0.2	0.1	0.2
3	0.2	0.4	+	0	0.1		0.2	0.1		0.2	0.1	0.2
4	0.2	0.2	3.2	+	+	+	0.2	0.1	+	0.2	0.1	0.2
5	0.2	0.2	0.4	+	+	0.1	0.1	0.1	0.1	0.2	0.1	0.2
6	0.2	0.2	0.2	0.1	0.1	+	0.1	+	0.1	0.2	0.1	0.2
7	0.2	0.2	0.1	0.1	+		0.1	+	0.1	0.2	0.1	0.2
8	0.2	0.2	+	0.1	0.1		0.2	0.2	0.1	0.2	0.1	0.2
9	0.2	0.2		0.1	+		0.2	4.2	0.1	0.2	0.1	0.1
10	0.2	0.2		0.1		+	0.6	0.4	0.1	0.2	0.1	0.1
11	0.2	0.2		0.1		0	19.1	0.2	0.1	0.2	0.1	0.2
12	0.2	0.4	+	0.1		0	14.3	0.2	0.1	0.2	0.1	0.1
13	0.2	0.4	0.1	0.2	+	0	4.4	0.1	0.1	0.2	0.1	0.1
14	0.2	6.8	+	0.1	0.1	0	0.6	0.1	0.1	0.2	0.2	0.1
15	0.2	+	0.1	0.1	0.1	0	0.2	0.1	0.1	0.2	0.2	0.1
16	0.2	0.2	0.1	0.1	0.1	0	0.2	0.1	0.1	0.2	0.2	0.1
17	0.2	6.4	0.1	0.1	+	0	0.2	0.1	0.1	0.2	0.2	0.2
18	0.2	0.1	+	0.2	0	0	0.4	0.1	0.1	0.2	0.2	0.2
19	0.2	+	+	+	0.0	+	0.2	0.1	0.1	0.2	0.2	0.2
20	0.2	0	0.1	0.1	+	+	0.2	0.1	0.1	0.2	0.2	0.2
21	0.2	5.6	0.1	0.1	0	0.1	0.1	0.1	0.2	0.2	0.2	0.2
22	0.2	0.2	0.2	+	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2
23	0.2	0.1	7.2	0.2	6.3	0.1	0.1	0.1	0.2	0.2	0.2	0.2
24	0.2	0	10.1	0.1	0.6	0.1	0.1	0.1	0.2	0.2	0.2	0.2
25	0.4	0	7.9	12.0	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2
26	0.4	0	0.2	6.3.9	0.1	0.1	3.6	0.1	0.2	0.2	0.2	0.2
27	0.4	0	0.6	4.7	0.1	0.1	0.6	0.1	0.2	0.2	0.2	0.2
28	0.4	0	0.2	0.4	0.1	0.2	0.1	0.1	0.2	0.2	0.2	0.2
29	0.2	+	0.1	0.4		0.1	0.1	0.1	0.2	0.2	0.2	0.2
30	0.2	+	0.1	18.2		0.1	0.1	0.1	0.2	0.2	0.2	0.2
31	0.2		0.1	9.7		0.1		0.1		0.2	0.2	
	7.0	134.2	88.0	836.7	65.0	1.3	255.3	45.4	3.6	6.2	4.9	5.3
MEAN	0.23	4.47	2.84	27.0	2.32	0.04	8.50	1.46	0.12	0.20	0.16	0.18
ACRE-FEET	14.	266.	174.	1660.	129.	2.6	506.	90.	7.1	12.	9.7	11.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 3.98
ACRE-FEET 2880.

76D76M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

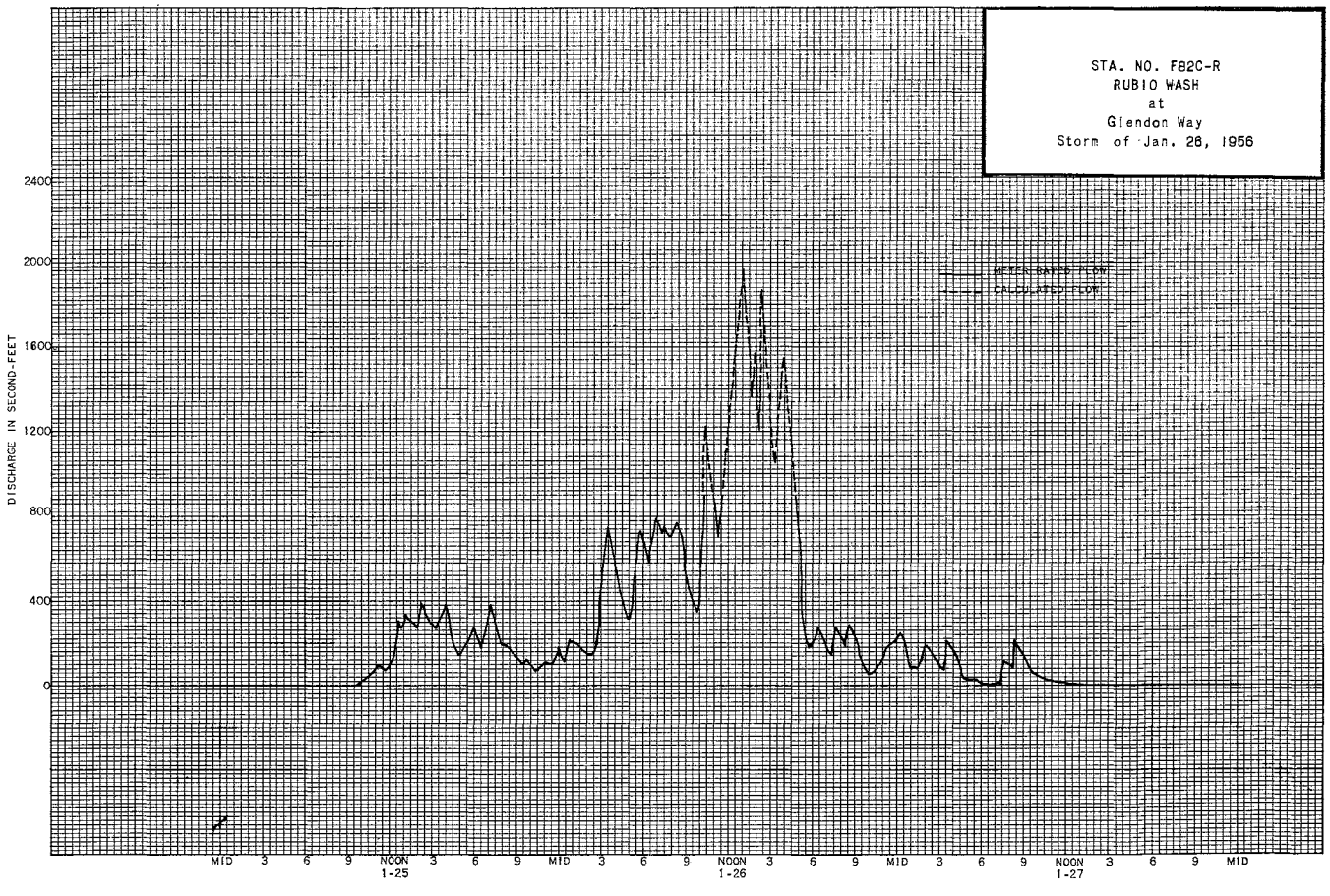
Sta. No. F82C-R

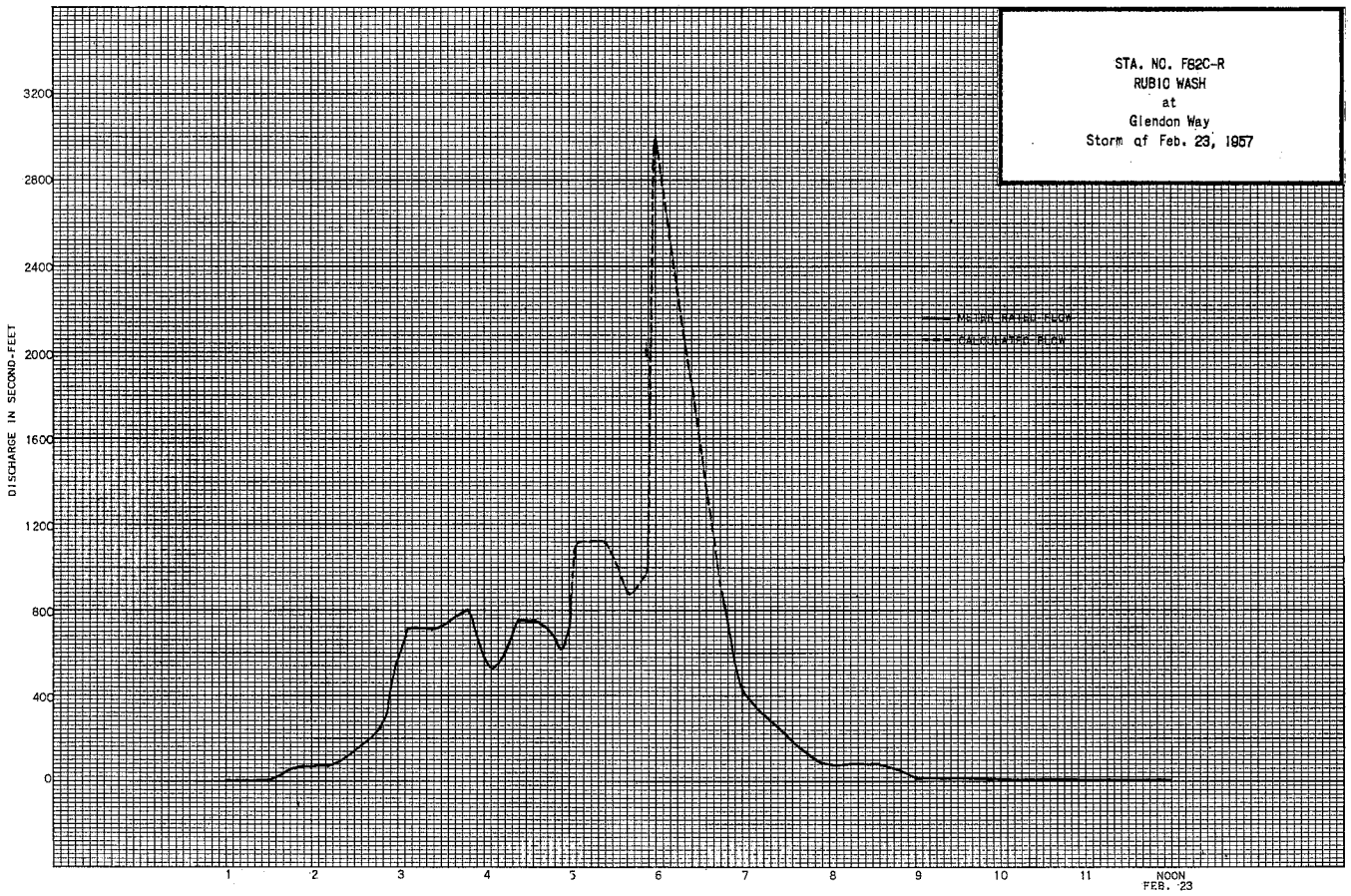
Daily discharge, in second-feet of RUBIO WASH at Glendon Way for the year ending September 30, 19 57

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.2	0.2	0.2	0.2	0.1	38	0.2	0.2	0.2	0.2	0.2	0.4
2	0.2	0.2	0.2	0.2	0.1	0.4	0.2	0.2	0.2	0.2	0.4	0.4
3	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.4
4	4.3	0.2	0.2	1.0	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.4
5	0.6	0.2	19	30	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.4
6	0.4	0.2	3.0	0.2	0.1	0.2	0.2	0.2	0.4	0.2	0.2	0.6
7	0.2	0.2	0.4	1.0	0.1	0.2	0.2	0.2	0.4	0.2	0.2	0.4
8	0.1	0.2	0.2	1.0	0.1	0.2	0.2	0.2	0.4	0.2	0.2	0.4
9	0.1	0.2	0.2	0.2	0.2	39	0.2	0.2	0.9	0.2	0.2	0.4
10	0.1	0.2	0.2	35	0.2	0.6	0.2	1.8	5.8	0.2	0.2	0.6
11	0.1	0.2	0.2	0.2	0.2	0.2	0.2	44	0.4	0.4	0.2	0.4
12	0.1	0.2	0.2	62	0.2	0.2	0.2	0.6	0.2	0.2	0.2	0.4
13	0.1	0.2	0.2	131	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.4
14	0.1	0.2	0.2	0.6	0.2	0.2	0.1	9.3	0.2	0.2	0.2	0.6
15	0.1	0.2	0.2	0.4	0.2	0.2	0.1	0.4	0.2	0.2	0.2	0.6
16	0.1	0.2	0.2	0.2	0.2	50	0.2	0.2	0.2	0.2	0.4	0.4
17	0.1	0.2	0.2	0.2	0.2	0.2	36	0.2	0.2	0.2	0.4	0.4
18	0.1	0.2	0.2	0.2	0.2	0.2	24	7.0	0.2	0.2	0.4	0.4
19	0.1	0.2	0.2	0.2	0.2	0.2	0.6	33	0.2	0.2	0.4	0.6
20	0.1	0.2	0.2	22	0.2	0.2	66	0.6	0.2	0.2	0.4	0.4
21	+	0.2	0.2	1.0	0.2	0.2	10.5	1.4	0.2	0.2	0.4	0.4
22	0.1	0.2	0.2	0.2	0.2	0.2	0.6	0.2	0.2	0.2	0.4	0.4
23	0.1	0.2	0.2	2.6	199	0.2	0.4	0.2	0.2	0.2	0.4	0.6
24	0.1	0.2	0.2	8.9	0.4	0.1	0.2	0.2	0.2	0.2	0.4	0.6
25	0.1	0.2	0.2	3.2	0.2	0.1	0.1	0.2	0.2	0.2	0.4	0.4
26	0.1	0.2	0.2	21	0.2	0.1	0.1	0.2	0.2	0.2	0.4	0.4
27	0.2	0.4	0.2	9.6	0.2	0.1	0.1	0.2	0.2	0.2	0.4	0.6
28	0.2	0.2	0.2	2.5	76	0.1	0.1	0.2	0.2	0.2	0.4	0.6
29	0.1	0.2	0.2	19.7		0.2	0.2	0.2	0.2	0.2	0.6	0.4
30	0.1	0.2	0.2	0.2		0.2	0.2	0.2	0.2	0.2	0.4	0.4
31	0.2		0.2	0.1		0.2		0.2		0.2	0.4	
	47.4	6.2	28.4	375.0	279.6	132.7	142.0	102.5	13.1	6.4	9.8	13.8
MEAN	1.53	0.21	0.92	12.1	9.99	4.28	4.74	3.31	0.44	0.21	0.32	0.45
ACRE-FEET	94.	12.	56.	744.	555.	263.	282.	203.	26.	13.	19.	27.

Remarks:

YEAR OR PERIOD MEAN 3.17
ACRE-FEET 2290.





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 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 1957.

AVERAGE DISCHARGE: 40 YEARS (1917-57). 9.12 SECOND-FEET. AVERAGE COMBINED DISCHARGE OF CREEK AND CONDUIT: 40 YEARS (1917-57). 21.5 SECOND FEET.

EXTREMES OF DISCHARGE:

1955-56
MAXIMUM DISCHARGE 51 SECOND-FEET JANUARY 26. GAGE HEIGHT 2.18 FEET.
MINIMUM DAILY 0.3 SECOND-FEET ON MANY DAYS.

1956-57
MAXIMUM DISCHARGE 94 SECOND-FEET JANUARY 13. GAGE HEIGHT 2.57 FEET.
MINIMUM 0.1 SECOND-FOOT SEPTEMBER 24-25.

1917-57
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 15 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. FORTY TWO DISCHARGE MEASUREMENTS FURNISHED BY LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF SAN ANTONIO CREEK

NEAR below Edison Company Power Plant Diversion 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.	E. HT. CHANGE TOTAL	METER NO.
1432	10/5		U.S.G.S.	1.5	0.26	1.81	0.78	0.47		.5	8	0	
1433	10/19		"	1.4	0.21	2.00	0.75	0.42		.5	8	0	
1434	10/27	1318 / 1327	MIDDLETON	1.8	0.46	1.09	0.75	0.50		.6	9	0	FC49
1435	11/7		U.S.G.S.	1.5	0.23	1.70	0.73	0.39		.5	8	0	
1436	11/23		"	1.5	0.28	2.07	0.78	0.58		.5	6	0	
1437	12/7		"	2.0	0.48	1.15	0.75	0.55		.5	10	0	
1438	12/8	1313 / 1323	MIDDLETON		CHANNELS		0.75	0.63		.6	10	0	FC49
1439	12/20		U.S.G.S.	1.4	0.21	2.29	0.75	0.48		.5	8	0	
1440	12/22	1304 / 1318	MIDDLETON		CHANNELS		0.76	0.60		.6	12	0	FC49
1441	1/3		U.S.G.S.	1.6	0.30	1.70	0.78	0.51		.5	8	0	
1442	1/5	1240 / 1252			CHANNELS		0.77	0.60				0	FC49
1443	1/12		U.S.G.S.	1.8	0.38	1.32	0.80	0.50		.5	9	0	
1444	1/19	1110 / 1120	MIDDLETON		CHANNELS		0.80	0.59				0	FC49
1445	1/25		U.S.G.S.	1.7	0.42	2.16	0.85	0.91		.5	9	0	
1446	1/27		"		CHANNELS		1.43	10.3		.6	15	-.01	
1447	2/8		"		"		0.80	1.01		.5/.6	16	0	
1448	2/9	1240 / 1258	MIDDLETON		"		0.78	1.08		.6		0	FC49
1449	2/16	1056 / 1108	"		"		0.77	1.13		.6	11	0	"
1450	2/21		U.S.G.S.		"		0.77	0.72		.5/.6	14	0	
1451	3/1	0957 / 1013	MIDDLETON		"		0.83	0.93		.6	13	0	FC49
1452	3/7		U.S.G.S.	1.6	0.30	2.40	0.78	0.72		.5	9	0	
1453	3/15	1256 / 1310			CHANNELS		0.76	0.76		.6	14	0	FC49
1454	3/23		U.S.G.S.	1.6	0.30	2.13	0.75	0.64		.5	9	0	
1455	3/29	1335 / 1350	MIDDLETON		CHANNELS		0.74	0.64		.6	14	0	FC49
1456	4/12		U.S.G.S.	1.8	0.41	2.43	0.81	1.00		.5	10	0	
1457	4/26		"	2.0	0.54	3.39	0.85	1.83		.5/.6	11	+.01	
1458	5/9		"	2.0	0.61	3.46	0.88	2.11		.5/.6	11	+.01	
1459	5/10	0952 / 1007	MIDDLETON		CHANNELS		0.85	1.53		.6	14	0	FC54
1460	5/29	1340 / 1400	"		"		0.80	0.88		.6	16	0	FC49
1461	6/1		U.S.G.S.	1.6	0.31	2.32	0.77	0.72		.5	9	0	
1462	6/14	1102 / 1120	MIDDLETON		CHANNELS		0.73	0.69		.6	17	0	FC49
1463	6/14		U.S.G.S.	2.0	0.59	1.00	0.72	0.59		.5/.6	10	0	
1464	6/27		"	1.5	0.20	2.15	0.70	0.43		.5	8	0	
1465	6/28	1135 / 1152	MIDDLETON		CHANNELS		0.70	0.55		.6	14	0	FC49
1466	7/6	1227 / 1238	"	2.0	0.68	0.74	0.72	0.50		.6	9	0	"
1467	7/12		U.S.G.S.	1.4	0.18	2.72	0.70	0.49		.5	8	0	
1468	7/25		"	2.3	0.82	3.32	0.90	2.72		.5/.6	9	0	
1469	7/26	1446 / 1500	MIDDLETON		CHANNELS		0.86	2.03		.6	9	0	FC54
1470	8/9		U.S.G.S.		"		0.70	0.40		.5	15	0	
1471	8/23	1308 / 1320	MIDDLETON	1.5	0.29	1.17	0.72	0.34		.6	7	0	FC49
1472	8/29		U.S.G.S.	1.4	0.17	2.41	0.72	0.41		.5	8	0	
1473	9/12	1130 / 1138	MIDDLETON	1.7	0.42	0.81	0.71	0.34		.6	7	0	FC49
1474	9/12		U.S.G.S.	1.8	0.38	0.84	0.70	0.32		.5	7	0	
1475	9/26		"	1.8	0.38	0.68	0.69	0.26		.5	10	0	
1476	9/27	1410 / 1418	MIDDLETON	2.4	0.28	0.86	0.69	0.24		.6	7	0	FC49

DISCHARGE MEASUREMENTS OF SAN ANTONIO CREEK

NEAR below Edison Company Power Plant Diversion DURING THE YEAR ENDING SEPTEMBER 30, 1957

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.	E. HT. CHANGE TOTAL	METER NO.
1477	10/3		U.S.G.S.	1.8	0.37	0.95	0.75/0.71	0.35		.5	10	0	
1478	10/17		"	1.7	0.32	1.06	0.75/0.69	0.34		.5	9	0	
1479	10/18	1305 / 1315	MIDDLETON	2.0	0.50	0.64	0.70	0.32		.6	8	0	
1480	10/25	1142 / 1150	"	2.0	0.51	0.59	0.78/0.72	0.30		.6	8	0	
1481	11/2		U.S.G.S.	1.7	0.37	1.08	0.73/0.71	0.40		.5	9	0	
1482	11/15		"	1.4	0.17	1.88	0.71/0.69	0.32		.5	8	0	
1483	11/29	1155 / 1205	MIDDLETON		TWO CHANNELS		0.79/0.72	0.50		.6	9	0	
1484	12/3		U.S.G.S.	1.6	0.29	1.52	0.77/0.71	0.44		.5	9	0	
1485	12/13	1355 / 1407	FALCONE-MIDDLETON	1.8	0.46	0.85	0.79/0.75	0.39		.6	7	0	
1486	12/20		U.S.G.S.	1.8	0.47	0.79	0.73/0.74	0.87		.5	10	0	
1487	1/4		"	2.0	0.60	0.82	0.75/0.72	0.49		.5/.6	10	0	
1488	1/15		"	1.9	0.61	2.92	1.02/0.85	1.78		.5/.6	10	0	
1489	1/17	1508 / 1520	MIDDLETON	2.4	0.92	1.08	0.82/0.80	1.05		.6	9	0	
1490	2/30		U.S.G.S.	1.6	0.32	2.53	0.79/0.78	0.81		.5	9	0	
1491	1/31	1135 / 1148	MC BRIDE-MIDDLETON		TWO CHANNELS		0.78	0.96		.6	13	0	
1492	2/7	1335 / 1343	ROY-MIDDLETON	2.2	0.72	1.08	0.78	0.77		.6	6	0	
1493	2/12		U.S.G.S.	2.2	0.86	1.91		1.64		.6	12	0	
1494	2/21	1126 / 1138	BOWMAN-MIDDLETON	2.0	0.61	1.60	0.78/0.76	0.97		.6	7	0	
1495	2/27		U.S.G.S.	2.1	0.66	2.44	0.90	1.61		.5/.6	11	0	
1496	3/7	1233 / 1253	SARASUA-MIDDLETON		CHANNELS		0.90	1.15		.6	14	0	
1497	3/14		U.S.G.S.	1.8	0.36	2.92	0.86/0.82	1.05		.5	9	0	
1498	3/21	1012 / 1028	SARASUA-MIDDLETON	2.1	0.69	1.46	0.85	1.01		.6	8	0	
1499	3/28		U.S.G.S.	2.2	0.73	1.12	0.85/0.80	0.82		.5/.6	12	0	
1500	4/3	1405 / 1420	SARASUA-MIDDLETON		CHANNELS		0.77	0.79		.5/.6	13	0	
1501	4/8		U.S.G.S.	1.9	0.52	1.60	0.77	0.83		.5	10	0	
1502	4/17	1310 / 1325	SARASUA-MIDDLETON		CHANNELS		0.77	0.64		.5/.6		0	
1503	4/26		U.S.G.S.	1.6	0.27	2.85	0.88/0.78	0.77		.5	9	0	
1504	5/2	1330 / 1342	SARASUA-MIDDLETON	2.1	0.64	1.08	0.77	0.69		.6	8	0	
1505	5/13		U.S.G.S.	2.0	0.65	1.46	0.78	0.95		.5/.6	11	0	
1506	5/15	1345 / 1355	SARASUA-MIDDLETON	2.2	0.82	0.88	0.77	0.72		.6	8	0	
1507	5/27		U.S.G.S.	1.7	0.33	2.15	0.80/0.77	0.71		.5	9	0	
1508	5/29	0915 / 0925	SARASUA-MIDDLETON	2.0	0.61	1.36	0.81	0.83		.6	8	0	
1509	6/10		U.S.G.S.	1.9	0.54	1.54	0.81/0.77	0.83		.5/.6	10	0	
1510	6/13	1345 / 1355	SARASUA	1.6	0.28	2.54	0.75	0.71		.5	5	0	
1511	6/26	1120 / 1135	"	1.4	0.23	1.87	0.76/0.71	0.43		.6	5	0	
1512	6/26		U.S.G.S.	1.4	0.20	2.25	0.71	0.45		.5	8	0	
1513	7/11	0932 / 0945	MIDDLETON	1.5	0.33	1.69	0.78	0.56		.5	7	0	
1514	7/11		U.S.G.S.	1.7	0.30	1.30	0.76/0.70	0.39		.5	9	0	
1515	7/25	1058 / 1105	MIDDLETON	2.0	0.43	0.93	0.78	0.40		.6	6	0	
1516	7/29		U.S.G.S.	2.0	0.52	0.60	0.80/0.66	0.31		.5	8	0	
1517	8/8	1024 / 1038	MIDDLETON	1.4	0.43	0.95	0.70	0.41		.6	8	0	
1518	8/14		U.S.G.S.	1.7	0.37	0.95	0.70/0.69	0.35		.5	9	0	
1519	8/22	1055 / 1105	MIDDLETON	1.6	0.30	1.46	0.70	0.43		.5	7	0	
1520	8/30		U.S.G.S.	2.4	0.38	0.84	0.76/0.71	0.32		.5	9	0	
1521	9/5	1050 / 1058	MIDDLETON	1.3	0.15	1.87	0.70	0.28		.5	6	0	
1522	9/19	1020 / 1028	MIDDLETON-STUNDEN	1.6	0.32	1.25	0.79	0.40		.5	7	0	
1523	9/20		U.S.G.S.	1.6	0.34	1.00	0.79/0.72	0.34		.5	9	0	

76D74M 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, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.4	0.5	0.5	0.5	1.2	0.9	0.7	1.3	0.7	0.5	0.5	0.3
2	0.4	0.5	0.5	0.5	1.2	0.9	0.8	1.2	0.7	0.5	0.5	0.3
3	0.4	0.5	0.5	0.5	1.1	0.8	0.8	1.1	0.6	0.5	0.5	0.3
4	0.4	0.5	0.5	0.6	1.1	0.7	0.7	1.1	0.5	0.5	0.4	0.3
5	0.5	0.5	0.5	0.6	1.1	0.7	0.7	1.1	0.6	0.5	0.3	0.3
6	0.5	0.4	0.5	0.6	1.0	0.7	0.7	1.1	0.5	0.5	0.3	0.3
7	0.5	0.4	0.5	0.6	1.0	0.7	0.7	1.2	0.5	0.5	0.3	0.3
8	0.5	0.4	0.5	0.5	1.0	0.7	0.7	1.3	0.5	0.5	0.3	0.3
9	0.5	0.4	0.5	0.5	1.0	0.7	0.7	1.9	0.5	0.5	0.4	0.3
10	0.5	0.4	0.5	0.5	1.1	0.7	0.7	1.5	0.5	0.5	0.4	0.3
11	0.5	0.4	0.5	0.5	1.1	0.7	0.7	1.5	0.6	0.5	0.4	0.3
12	0.5	0.5	0.5	0.5	1.1	0.7	1.6	1.4	0.6	0.5	0.5	0.3
13	0.5	0.5	0.5	0.5	1.1	0.7	1.8	1.3	0.5	0.4	0.5	0.4
14	0.6	0.6	0.5	0.5	1.1	0.7	1.7	1.2	0.7	0.4	0.4	0.4
15	66.5	0.5	0.5	0.5	1.1	0.7	1.6	1.2	0.7	0.4	0.4	0.4
16	0.4	0.5	0.5	0.6	1.1	0.7	1.6	1.1	0.8	0.4	0.4	0.4
17	0.4	0.5	0.5	0.6	1.1	0.7	1.6	1.0	0.8	0.4	0.4	0.3
18	0.4	0.5	0.4	0.6	1.0	0.7	1.6	1.0	0.7	0.4	0.4	0.3
19	0.4	0.5	0.4	0.6	0.9	0.7	1.6	0.9	0.7	0.4	0.4	0.3
20	0.5	0.5	0.4	0.6	0.9	0.7	1.5	0.9	0.7	0.4	0.4	0.4
21	0.5	0.6	0.5	0.6	0.8	0.7	1.4	0.9	0.7	0.4	0.4	0.4
22	0.5	0.6	0.6	0.5	0.9	0.7	1.3	0.9	0.7	0.4	0.3	0.4
23	0.5	0.6	0.6	0.5	1.5	0.7	1.2	0.9	0.6	0.4	0.3	0.4
24	0.5	0.6	0.6	0.5	1.6	0.7	1.2	0.9	0.5	0.4	0.4	0.4
25	0.5	0.6	0.6	1.0	1.5	0.7	1.2	0.9	0.5	1.1	0.4	0.3
26	0.5	0.5	0.6	1.8	1.2	0.7	1.6	0.9	0.5	1.5	0.3	0.3
27	0.5	0.5	0.6	1.2	0.9	0.7	1.5	0.9	0.4	1.2	0.3	0.3
28	0.5	0.5	0.6	2.7	0.9	0.7	1.5	0.9	0.5	0.9	0.4	0.3
29	0.5	0.5	0.6	1.5	0.9	0.7	1.4	0.9	0.5	0.7	0.4	0.3
30	0.4	0.5	0.5	1.3		0.7	1.3	0.8	0.5	0.6	0.4	0.3
31	0.5		0.5	1.3		0.7		0.8		0.6	0.4	
	14.7	15.0	16.0	50.8	31.5	22.2	36.1	34.0	17.8	17.4	12.1	9.9
MEAN	0.47	0.50	0.52	1.64	1.09	0.72	1.20	1.10	0.59	0.56	0.39	0.33
ACRE-FEET	29.	30.	32.	101.	62.	44.	72.	67.	35.	35.	24.	20.

Remarks:

YEAR OR PERIOD MEAN 0.76
ACRE-FEET 551.

76D74M 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, 1957

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.3	0.4	0.5	0.4	0.9	1.9	0.8	0.6	0.7	0.4	0.3	0.3
2	0.3	0.4	0.5	0.4	0.9	1.5	0.8	0.6	0.7	0.4	0.3	0.3
3	0.3	0.4	0.4	0.4	0.9	1.4	0.8	0.6	0.6	0.3	0.3	0.2
4	0.4	0.4	0.4	0.5	0.9	1.4	0.9	0.5	0.6	0.2	0.3	0.2
5	0.4	0.4	0.5	1.2	0.8	1.3	0.8	0.5	0.6	0.2	0.3	0.2
6	0.4	0.3	0.3	0.8	0.8	1.2	0.8	0.5	0.6	0.2	0.3	0.2
7	0.4	0.3	0.3	0.9	0.8	1.1	0.8	0.5	0.6	0.2	0.4	0.2
8	0.4	0.3	0.3	0.8	1.5	1.1	0.8	0.6	0.6	0.2	0.4	0.2
9	0.4	0.3	0.3	0.7	2.0	1.4	0.8	0.6	0.7	0.3	0.4	0.3
10	0.3	0.3	0.3	1.6	2.0	1.4	0.8	0.7	0.8	0.4	0.3	0.3
11	0.4	0.2	0.4	0.6	2.0	1.2	0.8	1.1	0.7	0.4	0.3	0.3
12	0.4	0.2	0.4	1.8	1.7	1.1	0.7	1.0	0.7	0.4	0.3	0.3
13	0.4	0.3	0.4	25	1.6	1.1	0.7	1.0	0.7	0.4	0.3	0.3
14	0.4	0.3	0.4	4.5	1.3	1.0	0.7	0.9	0.7	0.3	0.3	0.3
15	0.4	0.3	0.4	1.8	1.2	1.1	0.6	0.7	0.7	0.3	0.3	0.3
16	0.3	0.3	0.3	1.3	1.2	1.4	0.7	0.7	0.7	0.3	0.3	0.3
17	0.4	0.3	0.3	1.0	1.2	1.2	0.9	0.6	0.7	0.4	0.3	0.3
18	0.3	0.4	0.4	1.0	1.0	1.2	1.1	0.6	0.6	0.4	0.3	0.3
19	0.3	0.4	0.4	0.9	1.0	1.2	1.0	1.4	0.6	0.4	0.4	0.4
20	0.2	0.4	0.4	0.9	1.0	1.1	1.0	1.1	0.5	0.4	0.4	0.3
21	0.2	0.4	0.4	0.8	1.0	1.0	1.1	1.1	0.5	0.4	0.4	0.2
22	0.2	0.4	0.4	0.8	1.0	1.0	1.0	1.0	0.5	0.4	0.4	0.2
23	0.3	0.4	0.4	0.8	7.6	1.0	1.0	1.0	0.4	0.4	0.4	0.2
24	0.3	0.4	0.4	0.8	1.9	0.9	0.9	0.9	0.4	0.4	0.4	0.1
25	0.3	0.4	0.4	0.8	1.8	0.9	0.8	0.7	0.3	0.4	0.4	0.1
26	0.3	0.4	0.4	1.4	1.8	0.8	0.8	0.7	0.4	0.4	0.4	0.2
27	0.3	0.4	0.4	1.1	1.6	0.8	0.8	0.7	0.4	0.3	0.3	0.2
28	0.4	0.5	0.4	1.0	2.1	0.8	0.8	0.7	0.4	0.3	0.3	0.2
29	0.4	0.5	0.4	1.0		0.7	0.7	0.8	0.4	0.3	0.3	0.2
30	0.4	0.5	0.4	0.8		0.8	0.7	1.0	0.4	0.3	0.3	0.2
31	0.4		0.4	0.8		0.8		0.9		0.3	0.3	
	10.6	10.9	12.0	56.6	43.5	34.8	24.9	24.3	17.2	10.4	10.4	7.3
MEAN	0.34	0.36	0.39	1.83	1.55	1.12	0.83	0.78	0.57	0.34	0.34	0.24
ACRE-FEET	21.	22.	24.	112.	86.	69.	49.	48.	34.	21.	21.	14.

Remarks:

YEAR OR PERIOD MEAN 0.72
ACRE-FEET 521.

76D74M C&b 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 COMPANY'S CONDUIT, for the year ending September 30, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	7.8	7.6	7.4	7.1	12	11	12	11	0.7	10	8.9	7.6
2	7.8	7.3	7.4	7.1	12	11	12	11	0.7	10	8.9	7.7
3	7.8	7.3	7.3	7.1	12	11	12	11	0.6	10	8.5	7.7
4	7.8	7.3	7.3	7.2	12	11	12	11	4.9	10	8.4	7.7
5	7.9	7.3	7.3	7.2	13	11	12	11	14	10	8.3	7.4
6	7.9	7.2	7.3	7.2	13	11	12	13	14	10	8.3	7.4
7	7.9	7.2	6.4	7.2	13	11	12	13	12	10	8.3	7.4
8	7.9	7.0	7.7	7.1	14	11	10	13	12	10	8.3	7.4
9	7.9	7.0	7.7	7.1	14	11	10	15	12	9.8	8.4	7.4
10	7.9	7.2	7.4	7.1	13	11	10	14	12	9.8	8.1	7.1
11	7.9	7.2	7.4	7.1	13	11	12	14	13	9.8	8.1	7.1
12	5.6	7.2	7.4	6.9	13	11	13	13	13	9.8	8.2	7.1
13	7.6	7.2	7.4	7.1	13	11	14	13	12	9.7	8.5	7.2
14	7.7	7.8	7.4	7.1	13	11	13	13	13	9.4	8.2	7.2
15	7.6	7.4	7.1	7.1	13	12	13	13	13	9.4	8.2	7.2
16	7.5	7.1	7.4	7.2	13	12	12	13	13	9.1	8.2	7.0
17	7.5	7.4	7.4	7.2	13	12	12	13	12	9.1	8.2	7.1
18	7.5	7.1	7.3	7.2	13	12	12	13	12	9.1	8.2	7.1
19	7.5	7.1	7.3	7.2	12	12	12	13	12	9.1	7.9	6.9
20	7.6	7.1	7.0	7.2	12	12	12	13	12	9.1	7.9	7.0
21	7.5	7.8	7.1	7.2	12	12	11	13	12	9.1	8.0	7.2
22	7.5	7.6	7.2	7.1	12	12	11	14	12	9.1	7.9	7.2
23	7.6	7.4	7.2	6.9	14	12	11	14	12	9.1	7.9	7.2
24	7.6	7.4	7.2	7.1	14	12	11	7.2	12	9.1	7.7	7.0
25	7.6	7.5	7.2	8.2	12	12	11	0.9	12	9.8	7.7	6.9
26	7.6	7.4	7.2	29	12	12	12	0.9	10	10	7.9	6.9
27	7.6	7.1	7.2	26	12	12	12	0.9	10	9.9	7.9	6.9
28	7.6	7.1	7.2	17	12	12	12	0.9	10	9.3	8.0	6.9
29	7.3	7.1	7.2	14	11	12	11	0.9	10	9.1	7.7	6.9
30	7.2	7.4	7.1	13		12	11	0.8	10	9.0	7.7	6.9
31	7.3		7.1	12		12		0.8		9.0	7.7	
	237.0	218.8	225.2	290.2	367	358	352	308.3	317.9	295.7	252.1	215.7
MEAN	7.65	7.29	7.26	9.36	12.7	11.5	11.7	9.95	10.6	9.54	8.13	7.19
ACRE-FEET	470.	434.	447.	576.	728.	710.	698.	612.	631.	587.	500.	428.

Remarks:

YEAR OR PERIOD MEAN 9.39
ACRE-FEET 6,820.

76D74M C&b 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No._____

Daily discharge, in second-feet of SAN ANTONIO CREEK and SO. CALIFORNIA EDISON CO.'S CONDUIT, for the year ending September 30, 1957

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	6.9	6.5	6.4	6.5	12	18	15	13	14	11	9.3	8.3
2	6.8	6.5	6.4	6.5	12	18	15	13	14	11	9.3	8.3
3	6.8	6.5	6.3	6.5	11	17	15	13	14	11	9.3	8.2
4	7.1	6.5	6.3	6.6	11	17	15	12	14	11	9.3	8.2
5	7.1	6.6	6.6	7.9	11	17	15	12	14	11	9.3	8.2
6	7.1	6.5	6.4	7.0	11	17	15	12	14	11	9.3	8.2
7	7.0	6.5	6.4	7.2	11	17	14	12	14	11	9.4	7.9
8	6.8	6.2	6.4	7.1	12	17	14	13	14	10	9.1	7.9
9	6.8	6.2	6.4	7.0	12	18	14	13	14	10	9.1	8.0
10	6.6	5.9	6.4	8.5	12	17	14	13	15	10	9.0	8.0
11	6.6	6.1	6.5	7.1	12	17	14	12	14	10	9.0	8.0
12	6.8	6.1	6.5	9.3	12	17	14	12	14	10	8.7	8.0
13	6.8	6.2	6.5	31	12	17	14	12	14	10	8.7	8.0
14	6.6	6.2	6.5	14	11	17	14	13	14	10	8.7	8.0
15	6.6	6.2	6.4	11	11	17	14	12	14	10	8.7	8.0
16	6.5	6.2	6.4	10	13	18	13	13	14	10	8.7	8.0
17	6.6	6.2	6.5	9.7	13	17	14	13	14	10	8.7	8.0
18	6.5	6.3	6.5	9.6	13	17	14	13	14	10	8.7	8.0
19	6.5	6.3	6.5	9.3	13	17	13	14	13	10	8.8	8.1
20	6.4	6.3	6.5	9.7	14	16	13	13	12	10	8.8	8.0
21	6.4	6.0	6.5	9.6	14	16	14	13	12	10	8.8	7.6
22	6.4	6.3	6.5	9.7	15	16	13	13	12	10	8.8	7.6
23	6.5	6.3	6.5	10	26	16	13	13	12	10	8.4	7.6
24	6.5	6.3	6.5	10	17	16	13	13	12	10	8.4	7.5
25	6.6	6.3	6.5	10	17	15	13	13	12	9.7	8.4	7.5
26	6.5	6.3	6.5	12	18	15	13	14	12	10	8.4	7.6
27	6.5	6.3	6.5	11	17	15	13	14	12	9.6	8.4	7.6
28	6.5	6.4	6.5	11	18	15	13	14	12	9.3	8.3	7.6
29	6.5	6.4	6.5	12		15	13	14	12	9.3	8.3	7.6
30	6.5	6.4	6.5	12		15	13	13	11	9.3	8.3	7.6
31	6.5		6.5	12		15		14		9.3	8.3	
	206.6	189.0	200.3	310.8	361.0	512.0	414.0	401.0	397.0	313.5	272.7	237.1
MEAN	6.66	6.30	6.46	10.0	13.6	16.5	13.8	12.9	13.2	10.1	8.80	7.90
ACRE-FEET	410.	375.	397.	616.	756.	1020.	821.	795.	787.	622.	541.	470.

Remarks:

YEAR OR PERIOD MEAN 10.5
ACRE-FEET 7610.

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: INSTALLED FEBRUARY 1, 1956 OVER AN 18-INCH CORRUGATED IRON PIPE STILLING WELL, AN H.C.F. CONTINUOUS RECORDER IN SERVICE FROM FEBRUARY 1, 1956 TO SEPTEMBER 30, 1957.

REGULATION: NONE.

DIVERSIONS: THERE ARE DIVERSIONS FOR IRRIGATION AND POWER DEVELOPMENT.

RECORDS AVAILABLE: AT STATION F151-R, FEBRUARY 20, 1931 TO MAY 24, 1954 AND AT STATION F323-R, FEBRUARY 1, 1956 TO SEPTEMBER 30, 1957.

EXTREMES OF DISCHARGE:

1955-56
MAXIMUM NOT DETERMINED.
MINIMUM NO FLOW PART OF YEAR.

1956-57
MAXIMUM 193 SECOND-FEET JANUARY 13.
MINIMUM NO FLOW PART OF YEAR.

1930-1957
MAXIMUM 23,400 SECOND-FEET ESTIMATED MARCH 2, 1938 AT STATION F151-R.
MINIMUM NO FLOW FOR SEVERAL MONTHS EACH YEAR.

ACCURACY: FAIR.

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

DISCHARGE MEASUREMENTS OF SAN ANTONIO CREEK

~~AT~~ NEAR above Stoddard 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.	G. HT. CHANGE TOTAL	METER NO.
1	1/26	0912 / 0920	MIDDLETON-LANPHEAR		CHANNELS			10.5		EST .6	13		FC54
2	1/31	1355 / 1405	" "	10.8	3.83	1.17		4.5		.6	12		"
3	2/1	1420 / 1430	MIDDLETON	9.8	2.85	1.47	3.87	4.2		.6	11	0	"
4	2/9	1320 / 1332	"	9.9	1.84	0.92	3.72	1.7		.6	11	0	FC49
5	2/16	1132 / 1142	"	4.8	1.84	0.76	3.71	1.4		.6	9	0	"
6	2/21	1347 / 1356	"	3.0	0.81	1.23	3.68	1.0		.6	7	0	"
7	3/1	1043 / 1053	"	3.2	0.87	1.49	3.71	1.3		.6	8	0	"
8	3/8	1317 / 1325	"	2.4	0.69	1.59	3.70	1.1		.6	7	0	FC54
9	3/15	1328 / 1342	"	5.0	1.41	0.85	3.70	1.2		.6	11	0	FC49
10	3/22	1320 / 1328	SJOSTEDT-MIDDLETON	2.4	0.80	1.10	3.69	0.88		.6	7	0	"
11	3/29	1412 / 1420	MIDDLETON	3.5	0.87	0.82	3.65	0.71		.6	8	0	"
12	4/5	1344 / 1352	"	3.3	0.81	0.88	3.65	0.71		.6	8	0	"
13	4/12	1608 / 1612	"	2.0	0.22	0.59	3.49	0.13		.6	5	0	"
14	4/26	1310 / 1312	"		CHANNELS		3.50	0.17		.6	3	0	"
15	5/25	1412 / 1428	"	13.3	6.60	1.77	4.16	11.7		.6	15	0	FC54
16	5/31	1315 / 1333	"	12.8	6.55	1.85	4.17	12.1		.6	14	0	"
17	6/7	1435 / 1445	"	2.8	0.69	0.58	3.57	0.40		.6	8	0	FC49

DISCHARGE MEASUREMENTS OF SAN ANTONIO CREEK

~~AT~~ NEAR above Stoddard 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.	G. HT. CHANGE TOTAL	METER NO.
18	1/13	0002 / 0016	MIDDLETON-MC BRIDE	13.0	6.45	3.13	4.25	20.2		.6	8	+.02	FC54
19	1/13	0530 / 0550	" "	21.5	18.9	4.42	4.46	83.5		.6	12	-.02	"
20	1/13	1600 / 1620	TREAT-MIDDLETON	14.0	4.95	3.59	4.35	17.8		.6	15	0	"
21	1/14	1140 / 1154	MC BRIDE-MIDDLETON	8.5	2.95	1.25	3.90	3.7		.6	9	0	"
22	1/17	1420 / 1430	MIDDLETON	6.0	1.54	1.04	3.70	1.6		.6	12	0	FC49
23	1/20	1530 / 1542	MIDDLETON-MC BRIDE	5.0	1.55	1.10	3.72	1.8		.6	7	0	FC54
24	1/23	1020 / 1038	MIDDLETON	5.0	1.38	0.87	3.67	1.2		.6	11	0	FC49
25	1/26	0848 / 0858	"	5.5	1.34	1.19	3.72	1.6		.6	9	0	FC54
26	1/31	0930 / 0948	MC BRIDE-MIDDLETON	5.5	1.61	0.93	3.70	1.50		.6	13	0	FC49
27	2/7	1402 / 1414	ROY-MIDDLETON	5.0	1.60	0.81	3.68	1.3		.6	11	0	"
28	2/14	1225 / 1245	MIDDLETON	5.2	1.62	0.74	3.66	1.2		.6	11	0	"
29	2/21	1222 / 1240	BOWMAN-MIDDLETON	5.5	1.56	0.64	3.66	1.0		.6	12	0	"
30	2/23	0721 / 0733	MIDDLETON	14.5	12.5	1.89	4.21	23.7		.6	15	+.02	FC54
31	2/23	0928 / 0938	"	13.5	6.95	2.87	4.16	19.9		.6	15	-.04	"
32	2/25	0916 / 0934	"	7.0	2.32	1.25	3.78	2.9		.6	10	0	"
33	2/28	1230 / 1240	"	7.0	1.96	1.02	3.74	2.0		.6	8	0	FC49
34	3/1	0030 / 0040	MIDDLETON-BROOK	9.0	2.70	1.44	3.88	3.9		.6	9	0	FC54
35	3/1	1440 / 1452	BROOK-MIDDLETON	8.0	2.46	1.34	3.85	3.3		.6	9	0	"
36	3/7	1227 / 1317	SARASUA-MIDDLETON	7.0	1.49	1.01	3.71	1.5		.6	8	0	FC49
37	3/14	1345 / 1358	" "	6.6	1.49	0.94	3.71	1.4		.6	9	0	"
38	3/16	0933 / 0942	MIDDLETON-STUNDEN	7.1	2.04	1.23	3.83	2.5		.6	10	0	"
39	3/21	1045 / 1055	SARASUA-MIDDLETON	6.5	1.45	0.83	3.70	1.2		.6	9	0	"
40	3/28	1305 / 1318	MC BRIDE-MIDDLETON	5.5	1.18	0.79	3.67	0.93		.5	8	0	"
41	4/3	1440 / 1450	SARASUA-MIDDLETON	6.0	2.03	0.46	3.68	0.93		.6	7	0	"
42	4/11	0940 / 0950	SARASUA-MIDDLETON	6.0	1.30	0.77	3.69	1.0		.5	7	0	FC49
43	4/17	1340 / 1350	" "	4.5	1.01	0.95	3.67	0.96		.6	10	0	"
44	4/25	0930 / 0945	" "	4.0	0.91	1.32	3.69	1.2		.6	9	0	"
45	5/2	1418 / 1428	" "	3.2	0.63	1.14	3.66	0.72		.6	9	0	"
46	5/8	1415 / 1423	" "	3.0	0.54	1.31	3.66	0.71		.6	7	0	"
47	5/11	2030 / 2040	MIDDLETON-SARASUA	11.0	4.9	2.8	4.20	13.7		.6	11	0	FC43
48	5/13	0940 / 0950	SARASUA-MIDDLETON	5.5	1.66	1.20	3.80	2.0		.6	8	0	"
49	5/15	1420 / 1435	" "	5.0	1.13	1.06	3.70	1.2		.6	11	0	FC49
50	5/23	0935 / 0945	" "	5.0	1.15	0.96	3.70	1.1		.6	11	0	"
51	5/29	0940 / 0952	" "	4.5	0.99	0.99	3.69	0.98		.5	10	0	"
52	6/5	1255 / 1310	SARASUA	4.5	0.84	0.69	3.65	0.58		.6	10	0	"
53	6/13	1435 / 1450	"	5.0	0.97	0.73	3.66	0.71		.6	11	0	"
54	6/19	1210 / 1220	"	3.5	0.60	0.73	3.67	0.44		.6	8	0	"
55	6/26	1215 / 1225	"	3.5	0.61	0.70	3.66	0.43		.6	8	0	"
56	7/3	1404 / 1416	MIDDLETON	3.0	0.45	0.58	3.61	0.26		.6	7	0	"

TED74M Gb 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, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1					e 4.2	1.3	1.1	0	1.2	0	0	0
2					3.8	1.3	1.1	0	1.2	0	0	0
3					3.7	1.3	1.0	0	1.2	0	0	0
4					3.0	1.3	0.9	0	8.3	0	0	0
5					2.7	1.2	0.8	0	b 0.5	0	0	0
6					2.2	1.1	0.6	0	b 0.4	0	0	0
7					2.0	1.1	0.4	0	0.4	0	0	0
8					1.9	1.1	0.4	0	0.3	0	0	0
9					1.7	1.1	0.3	0	0.2	0	0	0
10					1.5	1.1	0.3	0	+	0	0	0
11					1.4	1.2	0.1	0	0	0	0	0
12					1.4	1.3	0.2	0	0	0	0	0
13					1.3	1.3	0.1	0	0	0	0	0
14					1.3	1.3	0	0	0	0	0	0
15					1.3	1.2	0	0	0	0	0	0
16	NO RECORD				1.4	1.2	0	0	0	0	0	0
17					1.4	1.2	0	0	0	0	0	0
18					1.4	1.2	0	0	0	0	0	0
19					1.3	1.2	0	0	0	0	0	0
20					1.1	1.1	0	0	0	0	0	0
21					1.1	1.1	0	0	0	0	0	0
22					1.1	1.1	0	0	0	0	0	0
23					1.6	1.1	0	0	0	0	0	0
24					1.7	0.9	0	4.1	0	0	0	0
25					1.5	0.9	0	1.2	0	0	0	0
26					1.4	0.9	0	1.2	0	0	0	0
27					1.4	0.8	0	1.2	0	0	0	0
28					1.3	0.8	0	1.3	0	0	0	0
29					1.3	0.8	0	1.3	0	0	0	0
30						0.8	0	1.3	0	0	0	0
31						0.9		1.3		0	0	
					52.4	34.2	7.3	92.1	46.1	0	0	0
MEAN					1.81	1.10	0.24	2.97	1.54	0	0	0
ACRE-FEET					104.	68.	14.	183.	91.	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN
ACRE-FEET 460. INC.

TED74M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

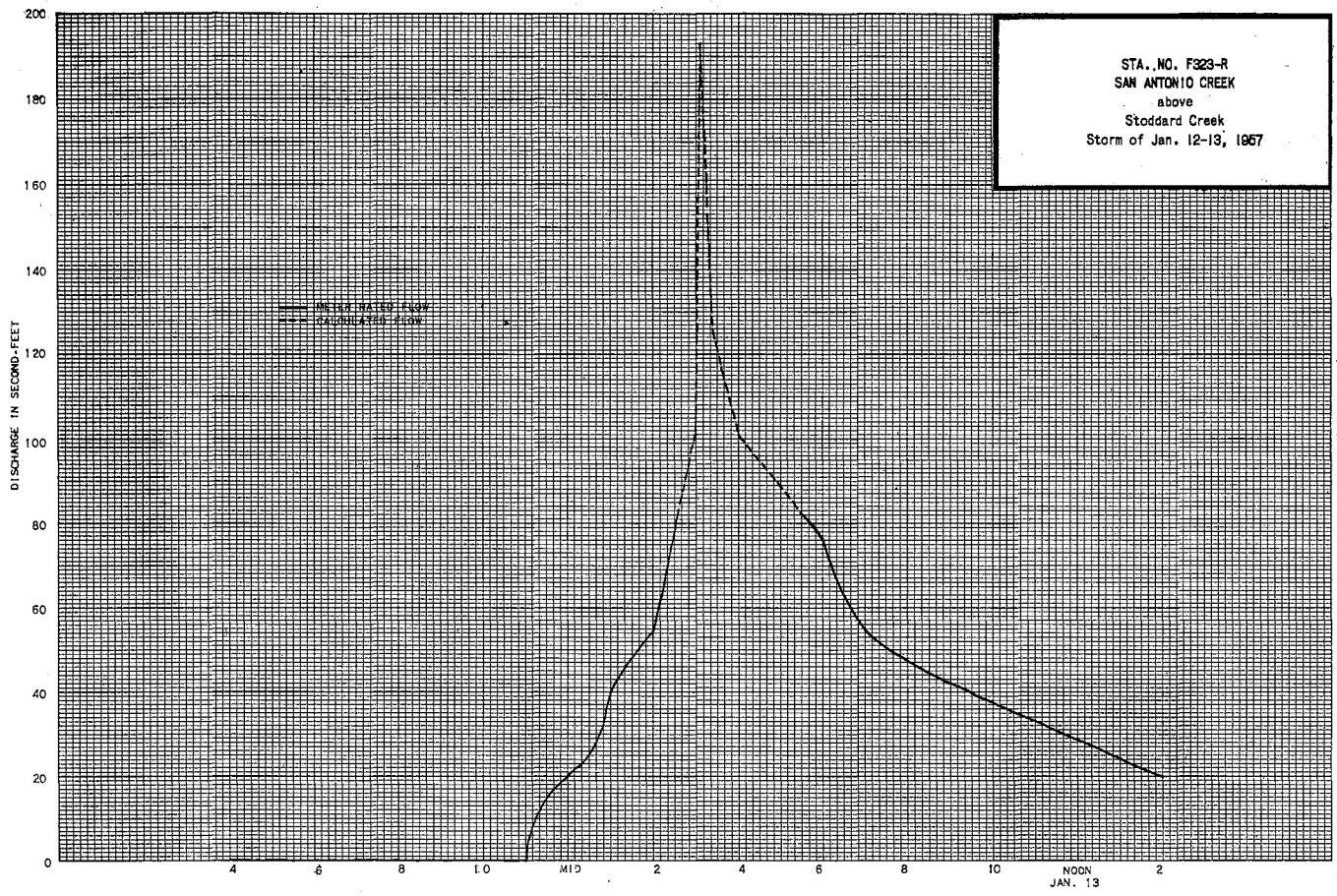
Sta. No. F323-R

Daily discharge, in second-feet of SAN ANTONIO CREEK above Stoddard Canyon, for the year ending September 30, 1957

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	1.4	3.4	1.2	0.7	0.7	0.4	0	0
2	0	0	0	0	1.4	2.5	1.2	0.7	0.6	0.4	0	0
3	0	0	0	0	1.4	2.3	1.2	0.7	0.6	0.4	0	0
4	0	0	0	0	1.3	2.2	1.0	0.7	0.6	0.3	0	0
5	0	0	0	0	1.2	1.9	1.0	0.7	0.6	0.4	0	0
6	0	0	0	0	1.2	1.9	1.0	0.7	0.8	0.3	0	0
7	0	0	0	0	1.3	1.6	1.0	0.8	0.8	0.4	0	0
8	0	0	0	0	1.4	1.6	1.0	0.8	1.1	0.4	0	0
9	0	0	0	+	1.4	2.4	1.0	6.3	1.0	0.3	0	0
10	0	0	0	+	1.4	2.8	1.0	1.2	1.2	0.2	0	0
11	0	0	0	0	1.3	2.3	1.0	1.3	1.0	0	0	0
12	0	0	0	0.5	1.3	2.2	1.0	9.6	0.8	0	0	0
13	0	0	0	3.7	1.2	2.0	1.0	1.9	0.8	0	0	0
14	0	0	0	5.9	1.3	1.6	1.0	1.7	0.7	0	0	0
15	0	0	0	2.7	1.3	1.6	1.0	1.4	0.7	0	0	0
16	0	0	0	1.9	1.2	2.0	1.0	1.1	0.6	0	0	0
17	0	0	0	1.7	1.2	1.9	1.1	1.0	0.5	0	0	0
18	0	0	0	1.6	1.2	1.6	1.3	1.3	0.5	0	0	0
19	0	0	0	1.5	1.1	1.3	1.2	1.8	0.4	0	0	0
20	0	0	0	1.6	1.0	1.2	1.4	1.6	0.5	0	0	0
21	0	0	0	1.6	1.0	1.2	1.4	1.4	0.6	0	0	0
22	0	0	0	1.4	1.1	1.2	1.4	1.2	0.6	0	0	0
23	0	0	0	1.2	9.8	1.2	1.4	1.2	0.5	0	0	0
24	0	0	0	1.3	5.2	1.1	1.2	1.0	0.5	0	0	0
25	0	0	0	1.4	2.5	1.0	1.2	1.0	0.5	0	0	0
26	0	0	0	1.5	2.2	1.1	0.9	1.0	0.5	0	0	0
27	0	0	0	1.5	2.0	1.0	0.7	1.0	0.5	0	0	0
28	0	0	0	1.4	2.6	1.0	0.7	0.9	0.5	0	0	0
29	0	0	0	1.5		1.1	0.7	0.9	0.5	0	0	0
30	0	0	0	1.5		1.3	0.8	0.9	0.4	0	0	0
31	0		0	1.4		1.3		0.8		0	0	
	0	0	0	70.1	51.9	52.8	31.6	69.8	19.6	3.5	0	0
MEAN	0	0	0	2.26	1.85	1.70	1.05	2.25	0.65	0.11	0	0
ACRE-FEET	0	0	0	139.	103.	105.	63.	138.	39.	6.9	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.82
ACRE-FEET 594.



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 COMPANIES DISTRIBUTION BOX AT ONTARIO NO. 1 POWER HOUSE.

CHANNEL AND CONTROL: CHANNEL, RECTANGULAR CONCRETE 10 FT. WIDE AND 46 IN. DEEP. CONTROL IS WIDE CRESTED WEIR, BUILT INTO CHANNEL.

DISCHARGE MEASUREMENTS: MEASUREMENTS MADE ABOVE WEIR.

RECORDER: INSTALLED FEBRUARY 4, 1957 OVER AN 18-INCH CORRUGATED IRON PIPE STILLING WELL. A STEVENS TYPE "F" RECORDER IN SERVICE FROM FEBRUARY 4, 1957 TO SEPTEMBER 30, 1957.

REGULATION: FLOW CAN BE REGULATED BY DIVERSION GATES AT SAN ANTONIO CREEK.

RECORDS AVAILABLE: FEBRUARY 4, 1957 TO SEPTEMBER 30, 1957.

ACCURACY: GOOD.

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

DISCHARGE MEASUREMENTS OF SAN ANTONIO WATER CO. DIVERSION

NEAR Ontario No. 1 Power House 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. SEQ. NO.	D. NO. CHANGE TOTAL	METER NO.
1	1/23	1000 / 1010	MIDDLETON	3.1	0.86	0.84		0.72		.6	10		FC49
2	1/26	0810 / 0820	"	3.4	1.26	1.11		1.4		.6	9		FC54
3	1/31	1007 / 1030	MC BRIDE - MIDDLETON	6.0	1.33	0.65		0.86		.6	13		FC49
4	2/4	1110 / 1118	MIDDLETON-PAYNE	3.1	0.84	0.95	0.09	0.80		.6	7	0	"
5	2/7	1426 / 1434	ROY-MIDDLETON	2.4	0.52	1.21	0.08	0.63		.6	7	0	"
6	2/14	1300 / 1310	MIDDLETON	2.5	0.56	1.00	0.07	0.56		.6	8	0	"
7	2/21	1255 / 1308	BOWMAN-MIDDLETON	2.5	0.55	1.09	0.07	0.60		.6	7	0	"
8	2/23	0742 / 0750	MIDDLETON	9.5	5.15	3.30	0.52	17.0		.6	10	+.04	FC54
9	2/25	0842 / 0902	"	4.7	1.35	1.70	0.19	2.3		.6	10	0	"
10	2/28	1300 / 1312	"	5.5	1.52	1.78	0.21	2.7		.6	7	+.04	FC49
11	3/1	1515 / 1525	BROOK-MIDDLETON	5.5	1.97	1.67	0.23	3.3		.6	8	0	FC54
12	3/7	1330 / 1347	SARASUA-MIDDLETON	4.5	1.17	1.11	0.14	1.3		.6	10	0	FC49
13	3/14	1308 / 1322	" "	4.3	1.12	1.25	0.13	1.4		.6	9	0	"
14	3/16	0958 / 1008	MIDDLETON-STUNDEN	7.0	1.62	1.30	0.17	2.1		.6	8	0	"
15	3/21	1142 / 1150	SARASUA-MIDDLETON	4.5	0.73	1.12	0.12	0.82		.6	7	0	"
16	3/28	1328 / 1338	MC BRIDE - MIDDLETON	4.0	0.65	1.08	0.10	0.70		.5	9	0	"
17	4/3	1455 / 1505	SARASUA	4.0	0.62	1.26	0.10	0.78		.6	9	0	"
18	4/11	0954 / 1002	SARASUA-MIDDLETON	4.0	0.68	1.29	0.11	0.88		.5	9	0	"
19	4/17	1407 / 1417	" "	2.7	0.55	1.11	0.10	0.61		.5	8	0	"
20	4/25	1004 / 1018	" "	2.8	0.65	0.98	0.11	0.64		.6	8	0	"
21	5/2	1445 / 1453	" "	2.0	0.47	1.28	0.09	0.60		.6	6	0	"
22	5/8	1432 / 1438	" "	2.0	0.43	1.07	0.10	0.46		.6	6	0	"
23	5/13	1005 / 1010	" "	4.0	1.46	1.37	0.17	2.0		.6	9	0	FC43
24	5/13	1025 / 1030	MIDDLETON-SARASUA	4.0	1.35	1.18	0.17	1.6		.6	9	0	"
25	5/15	1455 / 1505	SARASUA-MIDDLETON	3.3	0.78	1.66	0.12	1.3		.6	7	0	FC49
26	5/15	1505 / 1510	MIDDLETON-SARASUA	3.3	0.97	1.13	0.12	1.1		.6	8	0	"
27	5/23	1020 / 1025	" "	4.0	1.00	1.10	0.13	1.1		.6	9	0	"
28	5/29	1010 / 1015	" "	3.5	0.82	1.06	0.11	0.86		.5	8	0	"
29	6/5	1340 / 1350	SARASUA	3.5	0.59	0.51	0.07	0.30		.6	8	0	"
30	6/13	1510 / 1525	"	3.0	0.37	1.11	0.09	0.41		.6	7	0	"
31	6/19	1255 / 1300	"	2.0	0.18	1.17	0.06	0.21		.5	5	0	"
32	6/26	1300 / 1305	"	2.0	0.17	1.06	0.06	0.18		.6	5	0	"
33	7/3	1437 / 1443	MIDDLETON	0.8	0.06	0.83	0.01	0.05		.5	5	0	"

76D76M Cdh 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, 1957

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1						2.2	1.1	0.6	0.6	0.2	0	0
2						a 2.2	1.1	0.6	0.5	0.1	0	0
3						2.0	1.1	0.6	0.4	+	0	0
4						1.9	0.9	0.5	a 0.4	|	0	0
5					0.7	1.5	0.9	0.4	a 0.4	|	0	0
6					0.6	1.4	0.9	0.4	0.4	|	0	0
7					0.6	1.4	0.9	a 0.4	0.6	|	0	0
8					0.7	a 1.2	0.9	a 0.4	0.7	|	0	0
9					0.6	1.2	0.9	b 6.0	0.7	|	0	0
10					0.6	1.3	0.9	11.0	0.7	+	0	0
11					0.6	1.4	0.9	12.0	0.6	0	0	0
12					0.5	1.4	0.9	9.0	0.5	0	0	0
13					0.5	1.4	0.8	b 1.7	0.5	0	0	0
14					0.5	1.4	0.8	1.5	0.5	0	0	0
15					0.5	1.4	0.7	1.2	0.5	0	0	0
16					0.5	1.8	0.7	0.9	0.4	0	0	0
17					0.5	1.4	0.8	0.9	0.4	0	0	0
18					0.6	1.4	0.9	1.2	0.4	0	0	0
19					0.6	1.1	0.7	1.7	0.4	0	0	0
20					0.6	0.9	0.8	1.4	0.4	0	0	0
21					0.6	0.8	0.9	a 1.2	0.4	0	0	0
22					0.6	0.8	0.7	a 1.1	0.4	0	0	0
23					2.1	0.8	a 0.6	1.1	0.3	0	0	0
24					2.2	0.8	a 0.6	0.9	0.3	0	0	0
25					2.2	0.8	0.5	0.8	0.3	0	0	0
26					2.0	0.8	0.5	0.8	0.3	0	0	0
27					1.9	0.8	0.5	0.8	0.3	0	0	0
28					2.0	0.8	0.6	0.8	0.3	0	0	0
29						0.8	0.6	0.8	0.2	0	0	0
30						0.9	0.6	0.8	0.2	0	0	0
31						0.9		0.7		0	0	
	N.D.	N.D.	N.D.	N.D.	N.D.	38.9.	23.7	62.2	13.0	0.3	0	0
MEAN						1.25	0.79	2.01	0.43	0.01	0	0
ACRE-FEET						77.	47.	123.	26.	0.6	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN N.D.
ACRE-FEET N.D.

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: INSTALLED DECEMBER 24, 1951 OVER A 36-INCH DIAMETER CONCRETE STILLING WELL. AN AU CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1955 TO SEPTEMBER 30, 1957.

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, 1957.

EXTREMES OF DISCHARGE:
1955-56
MAXIMUM 54 SECOND-FEET JANUARY 26.
MINIMUM NO FLOW AT VARIOUS TIMES.
1956-57
MAXIMUM 5.0 SECOND-FEET SEVERAL DAYS IN JULY.
MINIMUM PLUS FLOW AT VARIOUS TIMES.
1951-57
MAXIMUM 262 SECOND-FEET MARCH 16, 1952.
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, 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.
182	10/11	1503 / 1513	MIDDLETON	4.8	2.31	1.56	0.59	3.6		.6	10	0	FC54
183	10/13	1507 / 1513	"	1.0	0.10	0.60	0.09	0.06		.6	6	0	FC49
184	1/26	1651 / 1654	MIDDLETON-LANPHEAR	7.5	3.68	1.52	0.64	5.6		.6	9	-.01	FC54
185	1/26	2152 / 2207	" "	26.0	17.0	2.90	1.26	49.3		.6	16	+.01	"
186	1/26	2215 / 2228	" "	26.0	17.1	3.16	1.28	54.1		.6	16	0	"
187	1/29	1547 / 1610	" "	13.0	8.90	1.39	0.88	12.4		.6	13	0	"
188	1/29	1614 / 1628	" "	13.0	8.90	1.43	0.88	12.8		.6	13	0	"
189	1/31	1105 / 1118	" "	12.5	7.29	1.15	0.78	8.4		.6	14	0	"
190	2/2	1033 / 1035	MIDDLETON	0.8	0.12	0.58	0.16	0.07		.6	3	0	"
191	2/9	0856 / 0858	"	1.0	0.12	0.50	0.15	0.06		.6	4	0	FC49
192	2/23	1024 / 1028	"	1.2	0.18	0.61	0.18	0.11		.6	4	0	"
193	3/1	1502 / 1506	"	1.2	0.17	0.35	0.16	0.06		.6	4	0	"
194	3/15	1003 / 1008	"	1.2	0.42	0.71	0.27	0.30		.6	5	0	"
195	3/21	1539 / 1543	"	1.2	0.16	0.62	0.10	0.10		.6	5	0	"
196	3/29	1054 / 1058	"	1.2	0.13	0.77	0.10	0.10		.6	5	0	"
197	4/5	1138 / 1142	"	1.2	0.11	1.00	0.11	0.11		.6	5	0	"
198	4/9	0751 / 0800	"	2.6	0.53	1.74	0.32	0.78		.6	8	0	"
199	4/9	0830 / 0840	"	3.2	0.76	1.01	0.32	0.77		.6	9	0	"
200	4/14	0842 / 0848	"	1.5	0.16	0.69	0.14	0.11		.6	6	0	"
201	4/19	1043 / 1053	MIDDLETON-ROYSTON	3.5	0.98	0.88	0.31	0.86		.6	8	0	"
202	4/20	1004 / 1012	" "	3.4	0.88	0.77	0.30	0.68		.6	8	0	FC54
203	4/20	1014 / 1022	" "	3.4	0.88	0.80	0.30	0.70		.6	8	0	FC49
204	4/26	1028 / 1038	MIDDLETON	3.4	0.85	0.89	0.31	0.76		.6	8	0	"
205	5/4	1215 / 1220	SADDORIS	2.4	0.72	1.11	0.31	0.80		.5	6	0	FC26
206	5/9	1618 / 1628	MIDDLETON	3.3	0.73	1.04	0.26	0.76		.6	8	0	FC49
207	5/17	1620 / 1628	MIDDLETON-ROYSTON	3.5	0.77	0.91	0.25	0.70		.6	8	0	"
208	5/23	1600 / 1608	MIDDLETON	3.8	0.89	0.82	0.25	0.73		.6	9	0	"
209	5/31	1530 / 1538	MIDDLETON-ROYSTON	3.7	0.85	0.80	0.25	0.68		.6	8	0	"
210	6/7	1050 / 1058	MIDDLETON	3.5	0.72	0.88	0.25	0.63		.6	8	0	"
211	6/13	1448 / 1458	"	2.2	0.53	1.09	0.25	0.58		.6	8	0	"
212	6/20	1522 / 1532	"	2.5	0.64	0.88	0.25	0.56		.6	9	0	"
213	6/28	0917 / 0927	"	2.6	0.72	0.82	0.26	0.59		.6	9	0	"
214	7/5	1442 / 1452	"	2.7	0.79	0.67	0.27	0.53		.6	8	0	"
215	7/12	0836 / 0848	"	2.4	0.74	0.78	0.25	0.58		.6	8	0	"
216	7/19	1432 / 1445	"	2.4	0.79	0.73	0.25	0.58		.6	10	0	"
217	7/26	1040 / 1055	MIDDLETON-ROYSTON	5.2	2.49	2.25	0.64	5.6		.6	10	0	FC54
218	7/26	1120 / 1135	" "	5.2	2.48	2.26	0.64	5.6		.6	10	0	"
219	8/2	1200 / 1221	SADDORIS	5.2	2.71	2.03	0.63	5.5		.5	12	0	FC52
220	8/9	1110 / 1125	"	4.3	2.36	2.37	0.62	5.6		.6	10	0	FC54
221	8/16	1008 / 1028	MIDDLETON-ROYSTON		CHANNELS		0.64	5.7		.6	15	0	FC54 FC49
222	8/23	0910 / 0930	" "		"		0.64	5.8		.6	14	0	FC54
223	8/30	1400 / 1420	MIDDLETON-FALCONE		"		0.63	5.4		.6	16	0	"
224	9/6	0840 / 0845	MIDDLETON	0.6	0.05	0.60	0.07	0.03		.6	4	0	FC49
225	9/12	0909 / 0911	"	0.4	0.02	1.00	0.04	0.02		.6	3	0	"

DISCHARGE MEASUREMENTS OF SAN DIMAS CREEK

NEAR below San Dimas Dam 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.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
226	12/13	1110 / 1123	FALCONE-MIDDLETON	4.8	1.95	1.28	0.49	2.5		.6	0	0.	FC49
227	12/20	1438 / 1444	MIDDLETON-MC BRIDE	0.8	0.08	0.38	0.05	0.03		.6	5	0	"
228	1/17	1025 / 1030	MIDDLETON	1.0	0.10	0.20	0.04	0.02		.6	6	0	"
229	1/24	1036 / 1038	"	0.8	0.08	0.38	0.04	0.03		.6	5	0	"
230	1/31	1347 / 1351	MC BRIDE-MIDDLETON	0.8	0.09	0.33	0.03	0.03		.5	5	0	"
231	2/7	1124 / 1126	ROY-MIDDLETON	0.8	0.04	0.50	0.04	0.02		.5	3	0	"
232	2/14	0842 / 0842	MIDDLETON	0.6	0.03	0.67	0.04	0.02		.5	3	0	"
233	2/21	0919 / 0922	BOWMAN-MIDDLETON	0.6	0.04	0.75	0.05	0.03		.5	4	0	"
234	2/28	1040 / 1045	MIDDLETON	1.2	0.09	0.44	0.07	0.04		.5	5	0	"
235	3/7	1003 / 1007	SARASUA-MIDDLETON	0.9	0.07	0.57	0.10	0.04		.6	4	0	"
236	3/14	1050 / 1055	" "	0.8	0.07	0.57	0.08	0.04		.5	5	0	"
237	3/21	0900 / 0907	" "	0.8	0.07	0.57	0.08	0.04		.5	5	0	"
238	3/28	1047 / 1053	MC BRIDE-MIDDLETON	0.8	0.07	0.57	0.08	0.04		.5	5	0	"
239	4/4	1614 / 1618	SARASUA-MIDDLETON	0.6	0.6	0.67	0.10	0.04		.5	4	0	"
240	4/11	1355 / 1405	" "	0.7	0.08	0.75	0.10	0.06		.5	4	0	"
241	4/17	1015 / 1028	" "	5.0	2.38	1.38	0.59	3.3		.6	11	0	FC43
242	4/25	1345 / 1348	" "	0.8	0.08	0.75	0.15	0.06		.5	5	0	FC49
243	5/3	1015 / 1020	MIDDLETON-SARASUA	4.0	1.83	1.14	0.49	2.1		.6	9	0	"
244	5/9	1017 / 1028	SARASUA-MIDDLETON	4.5	2.10	0.95	0.48	2.0		.6	10	0	"
245	5/16	1005 / 1025	MIDDLETON-SARASUA	4.8	2.08	0.67	0.47	1.4		.6	13	0	"
246	5/23	1252 / 1308	SARASUA-MIDDLETON	4.7	2.25	0.71	0.48	1.6		.6	10	0	"
247	5/29	1405 / 1410	MIDDLETON-SARASUA	4.0	1.53	0.92	0.48	1.4		.6	9	0	"
248	6/6	1210 / 1220	SARASUA	4.0	1.08	0.78	0.43	0.84		.6	9	0	"
249	6/13	1120 / 1130	"	4.0	1.17	0.85	0.45	1.0		.6	9	0	"
250	6/20	1105 / 1120	"	4.0	1.27	0.96	0.55	1.2		.6	9	0	"
251	6/27	1115 / 1130	"	3.5	1.14	0.87	0.51	0.99		.6	8	0	"
252	7/3	1030 / 1042	MIDDLETON	5.3	2.54	1.97	0.56	5.0		.6	11	0	"
253	7/10	1538 / 1552	MIDDLETON-ROYSTON	5.5	2.18	1.74	0.55	3.8		.6	12	0	"
254	7/18	0935 / 0940	" "	0.9	0.08	0.50	0.06	0.04		.5	4	0	"
255	7/25	1019 / 1021	MIDDLETON	0.6	0.03	0.33	0.03	0.01		.5	3	0	"

FADYAM Gb 12-53

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, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	+	0	0	2.8	0.06	0.1	0.5	0.7	0.6	5.4	5.4
2	|	+	0	0	0.07	0.06	0.1	0.8	0.7	0.6	5.4	5.4
3	|	+	0	0	0.07	0.06	0.1	0.8	0.7	0.6	5.4	3.2
4	|	0	0	0	0.07	0.06	0.1	0.8	0.6	0.6	5.4	+
5	|	0	0	0	0.06	0.06	0.1	0.8	0.6	0.5	5.4	|
6	+	0	0	0	0.06	0.06	0.1	0.8	0.6	0.5	5.7	|
7	a 2.1	0	0	0	0.07	0.06	0.5	0.8	0.6	0.5	a 5.7	|
8	| 3.6	0	0	0	0.06	0.06	0.8	0.8	0.6	0.5	5.7	|
9	| 3.6	0	0	0	0.06	0.06	0.8	0.8	0.6	0.6	5.7	|
10	| 3.6	0	0	0	0.06	0.06	0.8	0.8	0.6	0.6	5.7	|
11	| 3.6	0	0	+	0.06	0.06	0.8	0.8	0.6	0.6	5.7	|
12	| 3.6	0	0	0	0.06	0.06	0.8	0.7	0.6	0.6	5.7	|
13	| 1.5	0	0	0	0.07	0.06	0.4	0.7	0.6	0.6	5.7	|
14	a 0.1	+	0	0	0.07	0.06	0.1	0.7	0.6	0.6	5.7	|
15	+	0	0	0	0.07	0.07	0.1	0.7	0.6	0.6	5.7	|
16	|	0	0	0	0.07	0.06	0.1	0.7	0.6	0.6	a 5.7	|
17	|	0	0	0	0.06	0.06	0.1	0.7	0.6	0.6	5.7	|
18	|	0	0	0	0.06	0.06	0.4	0.7	0.6	0.6	5.7	|
19	|	0	0	0	0.06	0.06	0.8	0.7	0.6	0.6	5.7	|
20	|	0	0	0	0.06	0.06	0.8	0.7	0.6	0.6	5.7	|
21	|	+	0	0	0.06	0.1	0.7	0.7	0.6	0.6	5.7	|
22	|	+	0	0	0.06	0.1	0.7	0.7	0.6	0.6	5.7	|
23	|	0	0	+	0.1	0.1	0.7	0.7	0.6	0.6	5.7	|
24	|	0	0	0	0.09	0.1	0.7	0.7	0.6	0.6	5.7	|
25	|	0	0	0.1	0.07	0.1	0.7	0.7	0.6	3.6	5.4	|
26	|	0	0	7.4	0.07	0.1	0.5	0.7	0.6	5.7	5.4	|
27	|	0	0	4.0	0.06	0.1	0.1	0.7	0.6	5.7	5.4	|
28	|	0	+	12.4	0.06	0.1	0.1	0.7	0.6	5.7	5.4	|
29	|	0	0	12.9	0.06	0.1	0.1	0.7	0.6	5.7	5.4	|
30	|	0	0	10.1		0.1	0.1	0.7	0.6	5.4	5.4	+
31	+		0	8.5		0.1		0.7		5.4		
	21.7			91.4	4.65	2.31	12.3	22.5	18.3	51.2	173.1	14.0
MEAN	0.70	+	+	2.95	0.16	0.07	0.41	0.73	0.61	1.65	5.58	0.47
ACRE-FEET	43.	+	+	181.	9.2	4.6	24.	45.	36.	102.	343.	28.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 1.12
ACRE-FEET 816.

FORM Gb 12-53

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 57

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	+	+	+	+	0.1	+	0.9	1.2	5.0	+	+
2						+		2.1	1.0	5.0		
3								2.8	0.9	5.0		
4								3.7	0.9	5.0		
5								3.7	0.8	5.0		
6								3.7	0.8	5.0		
7			+					3.7	1.0	5.0		
8			1.5					3.0	1.0	5.0		
9			2.5					2.0	1.0	5.0		
10			2.5				+	2.0	1.1	4.6		
11			2.5				0.9	1.9	1.1	3.7		
12			2.5	+			2.2	1.9	1.0	3.7		
13			2.5	0.2			2.2	1.7	1.0	3.7		
14			2.5	+			2.2	1.6	1.0	3.7		
15			2.4				2.8	1.5	0.9	3.6		
16			2.4				3.3	1.4	1.0	2.5		
17			1.6				3.3	1.4	1.0	+		
18			0.1				3.3	1.4	1.0			
19			+				3.3	1.5	1.2			
20							2.4	1.5	1.2			
21							1.8	1.6	1.2			
22					+		0.7	1.6	1.2			
23					0.1		0.1	1.6	1.2			
24					+		0.1	1.6	1.0			
25							0.1	1.5	1.0			
26							0.1	1.5	1.0			
27					+		0.1	1.4	1.0			
28					0.1		0.1	1.4	1.0			
29							0.1	1.4	3.0			
30		+					0.1	1.3	5.0			+
31	+		+	+		+		1.2		+	+	
	+	+	23.0	0.2	0.2	0.1	29.2	59.5	36.7	70.5	+	+
MEAN	+	+	0.74	.005	.006	.003	0.97	1.92	1.22	2.27	+	+
ACRE-FEET	+	+	46.	0.4	0.4	0.2	58.	118.	73.	140.	+	+

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.60
ACRE-FEET 436.

STATION U10-R
SAN DIMAS CREEK at Mouth of Canyon

LOCATION: WATER-STAGE RECORDER AND BROAD-CRESTED WEIR CONTROL, LAT. 34°01'09", LONG. 117°46'18" IN SW ¼ SE ¼ SEC. 24, T. 1N., R. 9W., ON LEFT (EAST) BANK AT MOUTH OF SAN DIMAS CANYON, 0.7 MILE DOWNSTREAM FROM SAN DIMAS DAM AND 3 MILES NORTHEAST OF SAN DIMAS. ALTITUDE OF GAGE IS 1245 FEET.

DRAINAGE AREA: 18.3 SQUARE MILES.

RECORDS AVAILABLE: APRIL TO DECEMBER 1916, (DISCHARGE MEASUREMENTS ONLY); DECEMBER 1916 TO SEPTEMBER 1956 (DISCONTINUED).

AVERAGE DISCHARGE: 39 YEARS (1917-56) 4.34 CFS.

EXTREMES OF DISCHARGE:
1955-56
MAXIMUM DISCHARGE 90 CFS JANUARY 26, GAGE HEIGHT 3.05 FT.
MINIMUM NO FLOW AT TIMES DURING SEVERAL MONTHS.
1916-56
MAXIMUM DISCHARGE, 5000 CFS MARCH 2, 1938, FROM RECORDS OF RELEASE AT SAN DIMAS FLOOD CONTROL DAM AND COMPUTED INFLOW BETWEEN DAM AND GAGING STATION.
MINIMUM NO FLOW DURING PARTS OF MANY YEARS.

REMARKS: RECORDS GOOD. FLOW REGULATED BY SAN DIMAS DAM ABOVE STATION. SAN DIMAS WATER COMPANY DIVERTS WATER JUST BELOW GAGE FOR IRRIGATION. STATION DISCONTINUED SEPTEMBER 1956.

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

DISCHARGE MEASUREMENTS OF SAN DIMAS CREEK

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

NO.	DATE	BGIN / 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.
2331	10/13	1555 / 1605	MIDDLETON	3.7	0.89	1.57	1.09	1.39		.6	10	0	FC54
2332	10/19		U.S.G.S.				1.03	0.09		FLUME		0	
2333	10/27	0910 / 0915	MIDDLETON	0.8	0.09	0.44	1.02	0.04		.6	5	0	FC49
2334	11/4		U.S.G.S.				1.00	0.004		FLUME		0	
2335	11/16		"				1.00	0.01		"		0	
2336	11/28		"				0.99	0.01		"		0	
2337	12/14		"				0.99	0.01		"		0	
2338	12/15	1026 / 1028	MIDDLETON	0.4	0.02	1.00	1.00	0.02		.5	3	0	FC49
2339	12/22	1549 / 1551	"	0.4	0.02	1.00	1.00	0.02		.5	3	0	"
2340	12/28		U.S.G.S.				1.02	0.02		FLUME		0	
2341A	1/5	1025	MIDDLETON				1.02	0.01		EST.		0	
2341	1/10		U.S.G.S.				1.02	0.01		FLUME		0	
2342	1/19	1010	MIDDLETON				1.0	0.03		EST.		0	
2343	1/24		U.S.G.S.				1.03	0.01		FLUME		0	
2344	1/30		"	14.5	10.3	0.81	1.66	8.37		.6	16	0	
2345	2/9	1024 / 1030	MIDDLETON	2.5	0.32	0.97	1.05	0.31		.6	6	0	FC49
2346	2/10		U.S.G.S.				1.05	0.15		FLUME		0	
2347	2/23	1107 / 1115	MIDDLETON	1.3	0.17	1.29	1.05	0.22		.6	6	0	FC49
2348	3/6		U.S.G.S.				1.05	0.16		FLUME		0	
2349	3/8	1022 / 1028	MIDDLETON	0.9	0.17	1.00	1.05	0.17		.5	5	0	FC54
2350	3/22	1036 / 1042	"	1.5	0.24	0.58	1.04	0.14		.6	6	0	FC49
2351	3/22		U.S.G.S.				1.04	0.14		FLUME		0	
2352	4/4		"				1.06	0.09		"		0	
2353	4/9	1408 / 1418	MIDDLETON	1.6	0.53	1.40	1.15	0.74		.6	9	0	FC49
2354	4/18		U.S.G.S.	1.3	0.26	1.04	1.08	0.27		.5	8	0	
2355	4/20	0750 / 0800	MIDDLETON	2.3	0.43	1.65	1.15	0.71		.6	7	0	FC49
2356	4/20	1147 / 1158	"	2.8	0.79	0.79	1.13	0.62		.6	9	0	
2357	4/27	0932 / 0940	"	2.4	0.61	0.70	1.09	0.43		.6	7	0	FC54
2358	5/3		U.S.G.S.	2.0	0.60	1.07	1.16	0.64		.5	12	0	
2359	5/4	1117 / 1123	SADDORIS	2.1	0.30	1.83	1.17	0.55		.5	8	0	FC49
2360	5/10	1620 / 1628	MIDDLETON	3.4	1.01	1.09	1.20	1.06		.6	8	0	"
2361	5/17		U.S.G.S.	2.1	0.45	1.42	1.22	0.64		.5	13	-.01	
2362	5/25	1251 / 1257	MIDDLETON	4.0	1.17	0.69	1.22	0.81		.6	8	0	FC50
2363	5/28		U.S.G.S.	2.8	0.96	0.62	1.20	0.60		.5 / .6	16	0	
2364	6/7	1222 / 1232	MIDDLETON	2.8	0.54	1.30	1.15	0.70		.6	8	0	FC49
2365	6/12		U.S.G.S.	2.5	0.73	0.67	1.12	0.49		.5 / .6	15	0	
2366	6/26		"	2.3	0.83	0.63	1.10	0.52		.5 / .6	14	0	
2367	7/10		"	2.0	0.46	0.89	1.10	0.41		.5	12	0	
2368	7/24		"	2.0	0.57	0.82	1.10	0.47		.5	12	0	
2369	8/7		"	8.3	6.53	0.70	1.42	4.56		.5 / .6	27	-.01	
2370	8/9	1130 / 1138	SADDORIS	2.5	1.00	4.58	1.46	4.58		.5	6	0	FC54
2371	8/16	1055 / 1105	MIDDLETON	2.4	1.05	4.48	1.52	4.70		.6	8	0	"
2372	8/20		U.S.G.S.	9.4	5.84	0.72	1.51	4.18		.5 / .6	13	0	
2373	8/23	1053 / 1108	MIDDLETON-ROYSTON	2.5	1.15	4.52	1.53	5.20		.6	8	0	FC54
2374	9/5		U.S.G.S.				1.05	0.17		FLUME		0	
2375	9/12	0933 / 0938	MIDDLETON	0.8	0.11	0.64	1.03	0.07		.6	5	0	FC49

78D74M Gls 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U10-R

Daily discharge, in second-feet of SAN DIMAS CREEK at Mouth of Canyon, for the year ending September 30, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	3.3	0.2	0.1	0.4	0.7	0.5	4.5	4.7
2	0	0	0	0	0.4	0.2	0.1	0.7	0.7	0.5	4.3	4.6
3	0	0	0	0	0.4	0.2	0.1	0.7	0.7	0.5	4.3	3.5
4	0	0	0	0	0.4	0.2	0.1	0.6	0.7	0.5	4.5	0.3
5	0	0	0	0	0.3	0.2	0.1	0.6	0.7	0.5	4.6	0.1
6	0	0	0	0	0.3	0.2	0.1	0.6	0.8	0.5	4.6	0.1
7	0.6	0	0	0	0.3	0.2	0.1	0.6	0.7	0.4	4.6	0.1
8	3.7	0	0	0	0.3	0.2	0.6	0.7	0.6	0.4	4.6	0.1
9	4.2	0	0	0	0.3	0.2	0.8	1.1	0.6	0.4	4.6	0.1
10	4.5	0	0	0	0.2	0.1	0.7	1.1	0.6	0.4	4.6	0.1
11	4.6	0	0	0	0.2	0.1	0.5	1.1	0.6	0.4	4.6	0.1
12	4.5	0	0	0	0.2	0.1	0.8	1.0	0.5	0.4	4.6	0.1
13	2.7	0	0	0	0.2	0.1	0.7	1.0	0.5	0.4	4.3	0.1
14	0.6	0	0	0	0.2	0.1	0.4	0.9	0.5	0.4	3.9	0.1
15	0.3	0	0	0.1	0.2	0.1	0.3	0.8	0.5	0.4	4.2	0.1
16	0.1	0	0	0.1	0.2	0.1	0.3	0.7	0.5	0.4	4.7	0.1
17	0.1	0	0	0	0.2	0.1	0.3	0.6	0.5	0.4	4.6	0
18	0.1	0	0	0	0.2	0.1	0.4	0.6	0.5	0.4	4.6	0
19	0.1	0	0	0	0.2	0.1	0.6	0.6	0.5	0.4	4.5	0
20	0.1	0	0	0	0.2	0.1	0.6	0.7	0.5	0.4	4.3	0
21	0.1	0	0	0	0.2	0.1	0.6	0.8	0.4	0.4	4.5	0
22	0.1	0	0	0	0.2	0.1	0.6	0.8	0.4	0.4	5.0	0
23	0	0	0	0	0.2	0.1	0.7	0.8	0.4	0.4	5.3	0
24	0	0	0	0	0.2	0.1	0.7	0.8	0.4	0.4	5.1	0
25	0	0	0	0.1	0.2	0.1	0.8	0.8	0.4	2.5	4.8	0
26	0	0	0	2.9	0.2	0.1	0.9	0.8	0.4	4.1	4.8	0
27	0	0	0	4.3	0.2	0.1	0.4	0.7	0.4	4.1	5.0	0
28	0	0	0	1.4	0.2	0.1	0.4	0.6	0.5	3.9	5.1	0
29	0	0	0	1.2	0.2	0.1	0.4	0.6	0.5	3.9	4.7	0
30	0	0	0	9.3		0.1	0.4	0.6	0.5	3.8	4.7	0
31	0		0	8.1		0.1		0.7		4.3	4.7	
	26.4	0	0	115.7	10.0	4.0	13.6	23.1	16.2	36.8	143.2	14.3
MEAN	0.85	0	0	3.73	0.34	0.13	0.45	0.75	0.54	1.19	4.62	0.48
ACRE-FEET	52.	0	0	229.	20.	7.9	27.	46.	32.	73.	284.	28.

Remarks:

YEAR OR PERIOD MEAN 1.10
ACRE-FEET 799.

STATION F218-R
SAN DIMAS WASH below Puddingstone Diversion Dam

LOCATION: WATER-STAGE RECORDER, LAT. 34°07'52", 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 FT. X 3 FT. SAN DIMAS TYPE FLUME.

DISCHARGE MEASUREMENTS: LOW AND HIGH FLOWS MEASURED BY WADING.

RECORDER: INSTALLED NOVEMBER 28, 1945 OVER A 2 FT. X 4 FT. CONCRETE STILLING WELL. A STEVENS TYPE L RECORDER WAS IN SERVICE FROM OCTOBER 1, 1955 TO SEPTEMBER 30, 1957.

REGULATION AND/OF DIVERSIONS: FLOW ENTIRELY REGULATED BY PUDDINGSTONE DIVERSION DAM. SPILLWAY DISCHARGE ENTERS WASH BELOW THE STATION. 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, 1957. SOME STREAM MEASUREMENTS FOR EARLIER YEARS ARE AVAILABLE.

EXTREMES OF DISCHARGE:
1955-56
MAXIMUM 16 SECOND-FEET JANUARY 27.
MINIMUM NO FLOW MOST OF YEAR.
1956-57
NO FLOW FOR ENTIRE YEAR.
1945-57
MAXIMUM 42 SECOND-FEET APRIL 4, 1946.
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 SAN DIMAS CREEK

AT MEAN below Puddingstone Diversion Dam DURING THE YEAR ENDING SEPTEMBER 30, 1956

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. SEQ. NO.	G. HT. CHANGE TOTAL	METER NO.
59	1/29	1447 / 1503	MIDDLETON-LANPHEAR	6.0	7.03	1.21	0.54	8.5		.6	9	0	FC54
60	1/31	0937 / 0945	" "	6.0	6.70	1.27	0.56	8.5		.6	9	0	"
61	2/2	1146 / 1202	MIDDLETON	6.0	4.20	0.67	0.46	2.8		.6	13	-.04	"

FORM C&L 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, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	7.8	0	0	0	0	0	0	0
2	0	0	0	0	2.9	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	2.4	0	0	0	0	0	0	0	0
28	0	0	0	5.4	0	0	0	0	0	0	0	0
29	0	0	0	6.4	0	0	0	0	0	0	0	0
30	0	0	0	8.4		0	0	0	0	0	0	0
31	0		0	8.4		0		0		0	0	
	0	0	0	360	10.7	0	0	0	0	0	0	0
MEAN	0	0	0	1.16	0.37	0	0	0	0	0	0	0
ACRE-FEET	0	0	0	71	21	0	0	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 0.13
ACRE-FEET 92.

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 7 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 6 FEET BELOW STATION.

RECORDER: INSTALLED DECEMBER 8, 1933. WASHED OUT IN THE MARCH 2, 1938 STORM. REINSTALLED MARCH 10, 1938. REMOVED MAY 30, 1938. INSTALLED JULY 8, 1938. IN A CONCRETE HOUSE OVER A 4 FT. X 4 FT. CONCRETE WELL IN THE SAME LOCATION AS THE OLD WELL. AN AU CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1955 TO SEPTEMBER 30, 1957.

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, 1957.

EXTREMES OF DISCHARGE:
1955-56
MAXIMUM 16 SECOND-FEET APRIL 26.
MINIMUM 0.1 SECOND-FOOT NOVEMBER, DECEMBER AND JANUARY.
1956-57
MAXIMUM 260 SECOND-FEET NOVEMBER 9.
MINIMUM 0.1 SECOND-FOOT VARIOUS DAYS IN NOVEMBER AND DECEMBER.
1933-57
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~~ NEAR below Cogswell 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-INS	METH-OD	MEAS. SEC. NO.	S. HT. CHANGE TOTAL	METER NO.
2839	10/6	1056 / 1115	DE VORE	10.9	7.45	1.42	3.22	10.6		.5 / .6	16	0	FC22
2840	10/13	1029 / 1049	"	11.0	7.32	1.42	3.21	10.4		.5 / .6	16	0	"
2841	10/20	1043 / 1100	"	9.8	6.51	1.41	3.17	9.2		.5 / .5	15	0	"
2842	10/27	1055 / 1113	"	9.9	6.59	1.34	3.16	8.8		.5 / .6	15	0	"
2843	11/3	1056 / 1115	"	10.0	6.42	1.23	3.13	7.9		.5 / .6	15	0	"
2844	11/10	1052 / 1057	"	1.6	0.28	0.39	2.57	0.11		.5	5	0	"
2845	11/17	1056 / 1103	"	1.6	0.36	0.39	2.56	0.14		.5	5	0	"
2846	11/23	1046 / 1052	"	1.6	0.36	0.28	2.56	0.10		.5	5	0	"
2847	12/1	1103 / 1108	"	1.6	0.37	0.35	2.56	0.13		.5	5	0	"
2848	12/8	1022 / 1028	"	1.6	0.41	0.29	2.55	0.12		.5	5	0	"
2849	12/15	1117 / 1123	"	1.6	0.38	0.29	2.56	0.11		.5	5	0	"
2850	12/22	1100 / 1106	"	1.6	0.39	0.38	2.57	0.15		.5	5	0	"
2851	12/29	1026 / 1031	"	1.6	0.38	0.39	2.58	0.15		.5	5	0	"
2852	1/5	1052 / 1058	"	1.6	0.39	0.38	2.58	0.15		.5	5	0	"
2853	1/12	1043 / 1049	"	1.6	0.39	0.44	2.58	0.17		.5	5	0	"
2854	1/19	1033 / 1039	"	1.6	0.39	0.41	2.58	0.16		.5	5	0	"
2855	1/27	1631 / 1639	DE VORE - KEIM	8.0	2.77	0.47	2.70	1.3		.5 / .6	8	0	"
2856	2/2	1125 / 1130	DE VORE	1.7	0.78	0.58	2.61	0.45		.5	5	0	"
2857	2/9	1047 / 1053	"	1.8	0.82	0.56	2.61	0.46		.5	6	0	"
2858	2/16	1037 / 1044	"	1.8	0.84	0.54	2.61	0.45		.5	6	0	"
2859	2/23	1400 / 1407	"	1.8	0.91	0.72	2.64	0.66		.5	6	0	"
2860	3/1	1032 / 1038	"	1.8	0.85	0.56	2.62	0.48		.5	6	0	"
2861	3/8	1346 / 1352	"	1.8	0.89	0.65	2.62	0.58		.5	6	0	"
2862	3/15	1101 / 1108	"	1.7	0.85	0.60	2.62	0.51		.5	6	0	"
2863	3/22	1059 / 1106	DE VORE - SADDORIS	1.7	0.86	0.60	2.62	0.52		.5	6	0	FC22
2864	3/29	1305 / 1310	SADDORIS	4.0	1.95	0.35	2.62	0.68		.5 / .6	5	0	FC26
2865	4/2	1238 / 1253	DE VORE - KEIM	8.3	4.73	1.12	3.05	5.3		.6	15	+.01	FC22
2866	4/2	1424 / 1435	" "	8.3	5.12	1.25	3.07	6.4		.6	12	0	"
2867	4/5	1028 / 1048	DE VORE	8.3	5.02	1.27	3.08	6.4		.6	16	0	FC22
2868	4/13	1117 / 1133	"	8.3	5.12	1.37	3.09	7.0		.6	14	0	FC22
2869	4/19	1200 / 1221	SADDORIS	9.7	6.94	2.03	3.30	14.1		.6	10	0	FC26
2870	4/26	1027 / 1044	DE VORE	10.0	7.61	2.05	3.32	15.6		.6	14	0	FC22
2871	5/3	1043 / 1105	"	10.0	7.26	1.97	3.30	14.3		.6	16	0	"
2872	5/10	1058 / 1118	"	9.9	7.26	1.98	3.31	14.4		.6	16	0	"
2873	5/14	1515 / 1528	"	12.9	10.6	1.20	3.26	12.7		.6	12	0	"
2874	5/17	1052 / 1108	"	11.8	9.57	1.26	3.26	12.1		.6	13	0	"
2875	5/24	1111 / 1124	"	11.8	9.40	1.26	3.25	11.8		.6	13	0	"
2876	5/31	1109 / 1124	"	11.8	9.32	1.27	3.25	11.8		.6	13	0	"
2877	6/7	1524 / 1539	SJOSTEDT	11.0	6.88	1.02	3.10	7.0		.6	12	0	FC47
2878	6/14	1320 / 1334	DE VORE	11.4	7.15	0.99	3.09	7.1		.6	12	0	FC18
2879	6/21	1441 / 1457	"	11.5	7.17	0.95	3.09	6.8		.5 / .6	13	0	"
2880	6/28	1048 / 1105	DE VORE - ROY	11.4	7.20	0.90	3.09	6.5		.6	13	0	FC22
2881	7/5	1108 / 1121	DE VORE - BOWMAN	11.4	7.14	0.91	3.9	6.5		.6	13	0	"
2882	7/12	1032 / 1046	DE VORE	11.5	7.22	0.94	3.09	6.8		.6	12	0	"
2883	7/19	1000 / 1015	"	11.4	7.06	0.93	3.09	6.6		.6	12	0	"
2884	7/26	1247 / 1301	"	11.2	6.21	0.79	3.00	4.9		.5 / .6	12	0	"
2885	8/2	1132 / 1145	DE VORE - SJOSTEDT	11.4	6.63	0.81	3.04	5.4		.5 / .6	12	0	"
2886	8/9	1222 / 1239	WOOD - SJOSTEDT	11.0	6.0	0.90	3.02	5.4		.5 / .6	12	0	"
2887	8/16	1340 / 1400	FALCONE - SJOSTEDT	11.5	7.0	0.83	3.06	5.8		.5 / .6	14	0	"
2888	8/23	1010 / 1024	SJOSTEDT	10.8	6.19	0.87	3.06	5.4		.5 / .6	12	0	"
2889	8/30	1057 / 1112	DE VORE	11.4	6.58	0.85	3.06	5.6		.5 / .6	12	0	"
2890	9/6	1126 / 1140	"	11.4	6.58	0.82	3.05	5.4		.6	12	0	"
2891	9/13	1123 / 1138	"	11.4	6.72	0.77	3.06	5.2		.6	12	0	"
2892	9/21	1411 / 1426	"	11.4	7.07	0.95	3.11	6.7		.6	13	0	"
2893	9/27	1436 / 1451	"	11.6	6.59	0.85	3.05	5.6		.6	13	0	"

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER - WEST FORK

below Cogswell Dam 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	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
2894	10/4	1030 / 1041	DE VORE	8.0	3.49	1.12	2.94	3.9		.5 / .6	10	0	FC22
2895	10/8	1442 / 1453	"	7.9	3.17	0.88	2.84	2.8		.5 / .6	10	0	"
2896	10/11	1108 / 1121	"	8.0	3.07	0.88	2.82	2.7		.5 / .6	10	0	"
2897	10/18	1000 / 1015	"	8.4	4.04	1.01	2.93	4.1		.5 / .6	14	0	"
2898	10/25	1125 / 1141	"	8.3	4.09	1.00	2.93	4.1		.5 / .6	15	0	"
2899	11/1	1259 / 1315	"	8.4	4.01	1.00	2.93	4.0		.5 / .6	14	0	"
2900	11/9	1300 / 1318	"	8.3	4.02	0.99	2.93	4.0		.5 / .6	15	0	"
2901	11/9	1540 / 1557	"	51.4	89.7	1.32	4.63	118.		.6	13	-.01	"
2902	11/9	1635 / 1650	"	52.2	94.5	1.50	4.71	142.		.6	13	0	"
2903	11/10	1358 / 1368	"	51.7	89.7	1.47	4.66	124.		.6	15	0	"
2904	11/12	1344 / 1401	DE VORE - WINDER	40.6	65.0	1.14	4.27	74.2		.6	17	0	"
2905	11/13	1356 / 1408	DE VORE	9.2	4.41	0.45	2.80	2.0		.5 / .6	10	-.01	"
2906	11/15	1012 / 1020	DE VORE - THOMPSON	9.7	4.78	0.31	2.73	1.5		.6	8	0	"
2907	11/21	1149 / 1154	DE VORE	1.5	0.28	0.29	2.55	0.08		.5	5	0	"
2908	11/29	1155 / 1200	HENSLEY-STUNDEN	1.5	0.31	0.29	2.58	0.09		.5	5	0	"
2909	12/6	1244 / 1249	DE VORE	1.7	0.30	0.50	2.57	0.15		.5	5	0	"
2910	12/13	0850 / 0855	"	1.4	0.22	0.68	2.55	0.15		.5	5	0	"
2911	12/20	0930 / 0943	"	1.7	0.25	0.60	2.56	0.15		.5	3	0	"
2912	12/27	0955 / 0959	DE VORE - MC BRIDE	1.9	0.37	0.32	2.64	0.12		.5	4	0	"
2913	1/4	1012 / 1018	DE VORE	1.6	0.25	0.56	2.57	0.14		.5	4	0	"
2914	1/10	1350 / 1354	"	1.9	0.33	0.73	2.57	0.24		.5	4	0	"
2915	1/17	0921 / 0927	DE VORE - MC BRIDE	2.7	0.51	0.45	2.57	0.23		.5	6	0	"
2916	1/24	1005 / 1012	DE VORE - BROOK	2.7	0.56	0.54	2.59	0.30		.5	5	0	"
2917	1/31	0934 / 0939	" "	2.6	0.54	0.56	2.59	0.30		.5	5	0	"
2918	2/7	0930 / 0935	DE VORE	2.6	0.54	0.54	2.58	0.29		.5	5	0	"
2919	2/14	0927 / 0932	"	2.8	0.56	0.57	2.58	0.32		.5	5	0	"
2920	2/21	0915 / 0922	"	2.7	0.57	0.60	2.58	0.34		.5	6	0	"
2921	2/25	1024 / 1040	DE VORE - KEIM	15.8	14.2	1.56	3.52	22.2		.6	15	0	"
2922	2/25	1148 / 1200	" "	36.6	37.6	0.66	3.54	24.8		.6	13	0	"
2923	2/28	0940 / 1000	DE VORE	36.4	37.3	0.68	3.54	25.4		.6	15	0	"
2924	3/7	1012 / 1035	BROOK-DE VORE	36.6	38.3	0.68	3.54	26.1		.6	15	0	"
2925	3/14	0948 / 0958	DE VORE	3.6	1.02	0.34	2.60	0.35		.5 / .6	7	0	FC22
2926	3/21	0944 / 0952	DE VORE - WOOD	3.1	0.82	0.45	2.60	0.37		.5	7	0	"
2927	3/26	1430 / 1437	DE VORE	3.2	1.05	0.45	2.61	0.47		.5 / .6	7	0	"
2928	3/28	0819 / 0826	"	3.8	1.50	0.93	2.73	1.4		.5 / .6	7	0	"
2929	4/4	0815 / 0825	"	4.2	1.59	0.82	2.73	1.3		.5 / .6	9	0	"
2930	4/11	0827 / 0843	"	12.4	7.85	0.76	3.05	6.0		.6	13	+.01	"
2931	4/18	1019 / 1029	DE VORE - KEIM	8.2	5.44	0.96	3.02	5.2		.6	10	0	"
2932	4/25	0924 / 0941	DE VORE	8.2	5.21	0.92	3.02	4.8		.6	13	0	"
2933	5/2	1012 / 1036	MC BRIDE-DE VORE	8.0	5.33	0.88	3.01	4.7		.6	14	0	"
2934	5/9	0922 / 0940	DE VORE	8.4	5.18	0.93	3.02	4.8		.6	15	0	"
2935	5/16	1455 / 1512	"	8.0	5.01	0.98	3.01	4.9		.6	15	0	"
2936	5/23	1450 / 1506	"	8.1	5.31	1.02	3.04	5.4		.6	14	0	"
2937	5/29	1427 / 1445	"	8.0	5.30	0.98	3.04	5.2		.6	15	0	"
2938	6/6	1013 / 1027	DE VORE - FALCONE	8.1	5.34	0.97	3.04	5.2		.6	15	0	"
2939	6/13	0940 / 0956	DE VORE - LINDSAY	8.5	5.74	1.05	3.08	6.0		.6	15	0	"
2940	6/20	0948 / 1007	DE VORE	8.4	5.07	1.02	3.08	5.8		.6	15	0	"
2941	6/27	0927 / 0943	"	8.3	5.73	1.05	3.09	6.0		.6	15	0	"
2942	7/3	0915 / 0932	"	8.3	5.72	1.01	3.09	5.8		.6	15	0	FC22
2943	7/11	1335 / 1351	"	8.4	5.60	1.09	3.08	6.1		.6	14	0	"
2944	7/18	0918 / 0936	"	8.4	5.68	1.06	3.09	6.0		.6	15	0	"
2945	7/25	0924 / 0947	DE VORE - BROWN	8.5	5.60	1.04	3.07	5.8		.6	15	0	"
2946	8/1	0914 / 0930	DE VORE	8.4	5.57	1.02	3.07	5.7		.6	15	0	"
2947	8/8	1115 / 1125	SJOSTEDT	8.0	5.08	1.10	3.06	5.6		.6	8	0	"
2948	8/15	1000 / 1016	DE VORE	8.2	5.12	1.05	3.06	5.4		.6	14	0	"
2949	8/22	0947 / 1003	"	8.2	5.30	1.11	3.15	5.9		.6	15	0	"
2950	8/29	1050 / 1107	"	8.8	6.45	1.41	3.20	9.1		.6	15	0	"
2951	9/5	1046 / 1108	SARASUA-DE VORE	9.0	6.44	1.40	3.19	9.0		.6	17	0	"
2952	9/19	1037 / 1055	DE VORE	13.5	11.1	0.90	3.19	10.0		.6	14	0	"
2953	9/26	1025 / 1035	SJOSTEDT	8.50	6.25	1.25	3.13	7.8		.6	9	0	"

7ED74M Cab 12-53

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, 19 56

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	a11.2	8.5	0.1	0.1	0.5	0.5	0.8	14.4	11.9	6.5	5.3	5.6
2	10.9	8.0	0.1	0.1	0.4	0.5	3.5	14.4	11.9	6.5	5.3	5.3
3	10.9	8.0	0.1	0.1	0.4	0.5	6.7	14.4	11.9	6.5	5.3	5.3
4	10.9	3.1	0.1	0.1	0.4	0.5	6.5	14.4	11.9	6.5	5.3	5.3
5	10.5	0.1	0.1	0.1	0.4	0.6	6.5	14.4	11.9	6.5	5.3	5.3
6	a10.5	0.1	0.1	0.1	0.4	0.6	6.5	14.4	11.9	6.5	5.3	5.3
7	10.5	0.1	0.1	0.2	0.4	0.6	6.5	14.0	9.2	6.5	5.3	5.3
8	10.5	0.1	0.1	0.2	0.4	0.6	6.5	14.0	6.9	6.5	5.3	5.1
9	10.5	0.1	0.1	0.2	0.4	0.6	6.7	14.8	6.9	6.7	5.3	5.1
10	10.5	0.1	0.1	0.2	0.4	0.6	6.7	14.4	6.9	6.7	5.3	5.1
11	10.5	0.1	0.1	0.2	0.5	0.6	6.7	14.4	6.9	6.7	5.3	5.1
12	10.5	0.1	0.1	0.2	0.5	0.6	7.7	14.4	6.9	6.7	5.3	5.1
13	10.5	0.1	0.1	0.2	0.5	0.5	7.2	14.4	6.9	6.7	5.3	5.1
14	10.5	0.3	0.1	0.2	0.5	0.5	6.9	11.8	6.7	6.7	5.3 a	5.1
15	10.2	0.1	0.1	0.2	0.5	0.5	6.9	12.2	7.2	6.7	5.6	5.1
16	10.2	0.1	0.1	0.2	0.5	0.5	6.9	12.2	6.9	6.0	6.0	5.1
17	8.8	0.1	0.1	0.2	0.5	0.5	6.7	12.2	6.9	6.5	5.8	5.8
18	9.1	0.1	0.1	0.2	0.5	0.5	6.7	12.2	6.9	6.7	5.8	6.0
19	9.1	0.1	0.1	0.2	0.5	0.5	11.4	12.2	6.9	6.7	5.8	6.0
20	9.1	0.1	0.1	0.2	0.5	0.5	14.0	11.9	6.7	6.7	5.6	6.0
21	9.1	0.1	0.1	0.2	0.6	0.5	14.0	11.9	6.7	6.7	5.6 a	6.1
22	9.1	0.1	0.1	0.2	0.6	0.5	14.4	11.9	6.7	6.7	5.6	5.8
23	9.1	0.1	0.2	0.2	0.8	0.5	14.4	11.9	6.7	6.1	5.6	5.8
24	9.1	0.1	0.2	0.2	0.6	0.5	14.4	11.9	6.7	4.9	5.3	5.8
25	8.8	0.1	0.2	0.2	0.6	0.5	14.8	11.9	6.5	4.9	5.6	5.8
26	8.8	0.1	0.2	6.1	0.6	0.6	15.6	11.9	6.5	5.2	5.6	4.3
27	8.8	0.1	0.2	1.8	0.5	0.6	15.2	11.9	6.5	5.3	5.6	3.9
28	8.8	0.1	0.2	0.8	0.5	0.7	15.2	11.9	6.5	5.3	5.6	3.5
29	8.5	0.1	0.2	0.6	0.5	0.7	14.8	11.9	6.5	5.3	5.6	3.5
30	8.5	0.1	0.2	0.6		0.7	14.4	11.9	6.5	5.3	5.6	3.7
31	8.5		0.2	0.6		0.7		11.9		5.3	5.6	
	3025	304.0	152	144	173	285.2	402.4	236.0	192.5	170.1	155.3	
MEAN	9.76	1.01	0.13	0.49	0.50	0.56	9.51	13.0	7.87	6.21	5.49	5.18
ACRE-FEET	600.	60.	7.9	30.	29.	34.	566.	798.	468.	382.	337.	308.

Remarks:

YEAR OR PERIOD MEAN 4.99
ACRE-FEET 3620.

FORM Cdb 12-53

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, 1957

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3.7	4.0	0.1	0.1	0.3	26	1.4	4.7	5.1	5.8	5.8	9.1
2	3.8	4.0	0.1	0.1	0.3	26	1.4	4.7	5.1	5.8	5.8	9.1
3	3.8	4.0	0.1	0.1	0.3	26	1.4	4.7	5.1	5.8	5.8	9.1
4	3.2	4.0	0.1	0.1	0.3	26	1.3	4.7	5.1	5.8	5.8	9.1
5	2.7	4.0	0.2	0.5	0.3	26	1.3	4.7	5.1	5.8	5.8	9.1
6	2.8	4.0	0.2	0.3	0.3	26	1.3	4.7	5.1	6.0	5.8	9.1
7	2.8	4.0	0.1	0.2	0.3	26	1.3	4.7	5.1	6.0	5.6	9.1
8	2.8	4.0	0.1	0.2	0.3	9.6	1.3	4.7	5.1	6.0	5.6	9.1
9	2.7	4.6	0.1	0.2	0.3	0.4	1.4	4.7	5.3	6.0	5.6	9.1
10	2.7	123	0.1	0.3	0.3	0.4	1.5	4.9	5.8	6.0	5.6	8.8
11	2.7	139	0.1	0.2	0.3	0.4	3.8	5.1	6.0	6.0	5.6	8.8
12	2.7	73	0.2	1.3	0.3	0.4	4.6	5.1	6.0	6.0	5.3	8.8
13	2.5	5.2	0.1	2.0	0.3	0.4	4.6	4.9	6.0	6.0	5.3	8.8
14	2.5	1.6	0.2	0.3	0.3	0.4	4.6	5.1	6.0	6.0	5.3	8.8
15	2.9	1.5	0.2	0.3	0.3	0.4	4.2	5.1	6.0	6.0	5.3	5.6
16	4.0	1.4	0.1	0.2	0.3	0.4	4.7	4.9	6.0	6.0	a 5.3	f 7.5
17	4.0	1.4	0.1	0.2	0.3	0.4	5.3	5.1	5.8	6.0	5.3	a 9.1
18	4.0	1.3	0.1	0.2	0.3	0.4	5.1	5.6	5.8	6.0	5.3	a 9.1
19	4.0	1.2	0.1	0.2	0.3	0.3	5.1	5.6	5.8	6.0	5.3	f 9.0
20	4.0	0.6	0.1	0.2	0.3	0.4	5.3	5.3	5.8	5.8	5.3	f 7.7
21	4.0	0.1	0.1	0.2	0.3	0.4	4.9	5.3	5.8	5.8	5.3	a 7.7
22	4.0	0.1	0.1	0.2	0.3	0.3	4.9	5.3	5.8	5.8	a 5.3	7.7
23	4.0	0.1	0.1	0.3	2.4	0.3	4.7	5.3	5.8	5.8	5.3	7.7
24	4.0	0.1	0.1	0.3	0.6	0.4	4.7	5.3	5.8	5.8	5.3	7.7
25	4.0	0.1	0.1	0.3	1.9	0.4	4.7	5.3	5.8	5.8	5.3	7.7
26	4.0	0.1	0.1	0.4	26	0.6	4.7	5.5	6.0	5.8	5.3	a 7.7
27	4.0	0.1	0.1	0.3	26	1.2	4.7	5.1	6.0	5.8	5.3	f 7.7
28	4.2	0.1	0.1	0.3	26	1.4	4.7	5.1	6.0	5.8	7.7	7.7
29	4.4	0.1	0.1	0.3		1.4	4.7	5.1	6.0	5.8	9.1	7.7
30	4.2	0.1	0.1	0.3		1.4	4.7	5.1	6.0	5.8	9.1	7.7
31	4.2		0.1	0.3		1.4		5.1		5.8	9.1	
	109.3	428.2	3.6	10.4	102.5	205.5	108.3	156.3	170.1	182.6	182.6	250.9
MEAN	3.53	14.3	0.12	0.34	3.66	6.62	3.61	5.04	5.67	5.89	5.89	8.63
ACRE-FEET	217.	849.	7.1	21.0	203.	408.	215.	310.	337.	362.	362.	498.

Remarks:

YEAR OR PERIOD MEAN 5.23
ACRE-FEET 3790.

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: INSTALLED DECEMBER 3, 1930 AT P3-R. REMOVED MARCH 2, 1938. INSTALLED ON APRIL 4, 1938, IN A TEMPORARY RECORDER HOUSE AND WELL AT THE ORIGINAL LOCATION. REMOVED JULY 12, 1938 AND INSTALLED AT STATION P38-R. REMOVED ON SEPTEMBER 27, 1938 AND REINSTALLED AT ORIGINAL LOCATION IN A CONCRETE HOUSE OVER A 4 FT. X 4 FT. CONCRETE WELL. AN AU CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1955 TO SEPTEMBER 30, 1957.

REGULATION: FLOW PARTIALLY REGULATED BY COGSWELL DAM.

DIVERSIONS: NONE.

RECORDS AVAILABLE: DECEMBER 3, 1930 TO SEPTEMBER 30, 1957 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 P38-R, SAN GABRIEL RIVER - WEST FORK, 400 FEET BELOW NORTH FORK.

EXTREMES OF DISCHARGE:

1955-56
MAXIMUM 1230 SECOND-FEET JANUARY 25.
MINIMUM 2.7 SECOND-FEET NOVEMBER 10.

1956-57
MAXIMUM 1670 SECOND-FEET JANUARY 13.
MINIMUM 3.5 SECOND-FEET NOVEMBER 29, 30.

1930-57 (STATIONS P1-R, P3-R, P38-R).
MAXIMUM 34,000 SECOND-FEET, ESTIMATED MARCH 2, 1938.
MINIMUM 0.3 SECOND-FOOT OCTOBER 17, 1931.

ACCURACY: GOOD.

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

~~NEAR~~ above Forks 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.
2975	10/3	1124 / 1142	DE VORE	18.1	12.9	1.02	7.33	13.2		.5/.6	16	0	FC22
2976	10/6	1447 / 1505	"	18.0	12.3	1.00	7.30	12.3		.5/.6	16	0	"
2977	10/10	0958 / 1017	"	18.2	12.8	1.04	7.33	13.3		.5/.6	16	0	"
2978	10/13	1600 / 1619	"	18.1	12.1	0.99	7.28	12.0		.5/.6	16	0	"
2979	10/17	1104 / 1124	"	18.1	12.6	1.06	7.32	13.3		.5/.6	16	0	"
2980	10/20	1357 / 1416	"	18.1	12.2	1.02	7.29	12.5		.5/.6	16	0	"
2981	10/24	1101 / 1120	"	18.1	12.1	0.96	7.28	11.6		.5/.6	16	0	"
2982	10/27	1350 / 1409	"	18.1	12.1	0.95	7.28	11.5		.5/.6	16	0	"
2983	10/31	1110 / 1129	"	18.1	12.1	0.95	7.28	11.5		.5/.6	16	0	"
2984	11/3	1423 / 1441	"	18.1	11.9	0.92	7.27	11.0		.5/.6	16	0	"
2985	11/7	1050 / 1108	"	8.3	5.83	0.58	6.95	3.4		.6	13	0	"
2986	11/10	1344 / 1403	"	8.3	5.47	0.51	6.90	2.8		.6	15	0	"
2987	11/14	0733 / 0747	"	11.5	8.93	0.92	7.18	8.2		.6	12	0	"
2988	11/17	1350 / 1410	"	10.9	7.62	0.70	7.06	5.3		.6	17	0	"
2989	11/21	1505 / 1513	DE VORE - LANPHEAR	11.5	8.78	0.86	7.17	7.6		.6	12	0	"
2990	11/23	1406 / 1428	DE VORE	11.1	8.10	0.76	7.10	6.2		.6	18	0	"
2991	11/28	1105 / 1125	"	10.9	7.70	0.65	7.05	5.0		.5/.6	18	0	"
2992	12/1	1355 / 1417	"	9.2	7.20	0.78	7.08	5.6		.6	15	0	"
2993	12/5	1336 / 1356	"	9.3	7.83	0.93	7.16	7.3		.6	16	0	"
2994	12/8	1345 / 1407	"	9.3	7.63	0.89	7.14	6.8		.6	17	0	"
2995	12/12	1117 / 1136	"	9.4	7.60	0.86	7.13	6.5		.6	17	0	"
2996	12/15	1402 / 1422	"	9.3	7.57	0.85	7.13	6.4		.6	17	0	"
2997	12/19	1349 / 1409	"	9.4	7.59	0.84	7.12	6.4		.6	17	0	"
2998	12/22	1408 / 1427	"	9.5	7.65	0.86	7.12	6.6		.6	17	0	"
2999	12/29	1348 / 1409	"	9.5	7.84	0.97	7.17	7.6		.5	17	0	"
3000	1/5	1425 / 1447	"	9.5	7.80	0.94	7.16	7.3		.6	17	0	"
3001	1/9	0940 / 1004	DE VORE - KEIM	9.5	7.74	0.90	7.16	7.0		.6	17	0	"
3002	1/12	1453 / 1513	DE VORE	9.5	7.58	0.91	7.15	6.9		.6	16	0	"
3003	1/16	1343 / 1404	DE VORE - KEIM	9.5	7.72	0.91	7.15	7.0		.6	17	0	"
3004	1/19	1454 / 1513	DE VORE	9.6	7.69	0.92	7.15	7.1		.6	17	0	"
3005	1/23	1351 / 1410	KEIM - DE VORE	9.6	7.81	0.92	7.16	7.2		.6	17	0	"
3006	1/25	1452 / 1506	DE VORE	16.0	12.6	1.13	7.35	14.2		.6	15	+.01	"
3007	1/26	0900 / 0911	DE VORE - KEIM	57.0	76.4	2.15	8.93	164.		.6	12	+.13	"
3008	1/26	1140 / 1200	" "	69.0	171.	2.73	9.85	466.		.6	14	+.18	FC18
3009	1/26	1558 / 1617	" "	70.0	247.	4.78	10.91	1180.		.6	15	+.02	"
3010	1/27	1036 / 1051	" "	60.0	119.	2.34	9.19	278.		.6	13	-.02	"
3011	1/28	1350 / 1410	" "	42.4	45.3	1.90	8.17	86.2		.6	13	0	FC22
3012	1/30	1507 / 1529	DE VORE	20.0	25.2	1.75	7.71	44.1		.6	17	-.01	"
3013	2/2	1442 / 1505	"	19.6	22.4	1.43	7.52	32.0		.6	18	0	"
3014	2/6	1327 / 1349	"	18.8	19.5	1.19	7.38	23.2		.6	18	0	"
3015	2/9	1405 / 1426	"	18.5	18.1	1.09	7.30	19.8		.6	16	0	"
3016	2/16	1356 / 1415	"	18.0	16.1	0.94	7.20	15.2		.6	16	0	"
3017	2/20	1118 / 1140	"	18.4	17.5	0.83	7.25	14.5		.6	17	0	"
3018	2/23	0927 / 0945	"	18.2	17.5	1.00	7.25	17.5		.6	18	0	"
3019	2/27	0947 / 1004	"	18.2	17.1	0.97	7.24	16.6		.6	16	0	"
3020	3/1	1356 / 1419	"	18.0	16.4	0.93	7.19	15.2		.6	17	0	"
3021	3/5	1305 / 1325	"	17.9	16.2	0.86	7.17	14.0		.5/.6	17	0	"
3022	3/8	1125 / 1146	"	17.8	16.0	0.86	7.16	13.8		.6	17	0	"
3023	3/12	1012 / 1024	"	17.6	15.5	0.83	7.14	12.9		.6	16	0	"
3024	3/15	1412 / 1431	"	17.7	15.3	0.82	7.12	12.6		.6	16	0	"
3025	3/19	1058 / 1119	"	17.6	15.0	0.75	7.10	11.3		.6	15	0	"
3026	3/22	1358 / 1415	DE VORE - SADDORIS	17.4	14.5	0.75	7.08	10.9		.6	15	0	"
3027	3/26	1007 / 1021	DE VORE -KEIM	17.3	14.2	0.71	7.06	10.1		.6	15	0	"
3028	3/29	1010 / 1035	SADDORIS	16.6	13.2	0.80	7.04	10.5		.6	14	0	FC26

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.
3029	4/5	1417 / 1436	DE VORE	18.1	16.5	0.90	7.19	14.9		.6	16	0	FC22
3030	4/9	1534 / 1547	"	13.0	13.4	1.02	7.17	13.6		.6	13	0	"
3031	4/12	1024 / 1052	DE VORE - KEIM	19.2	20.5	1.77	7.62	86.2		.8	14	+.02	"
3032	4/12	1321 / 1330	" "	23.2	26.4	2.26	7.90	59.5		.6	11	+.03	"
3033	4/12	1524 / 1535	" "	25.2	28.8	2.34	7.98	67.5		.6	13	0	"
3034	4/12	2344 / 2355	" "	41.8	47.4	2.11	8.25	100.		.6	12	0	"
3035	4/13	1458 / 1518	DE VORE	23.8	26.3	2.12	7.83	55.9		.6	14	0	"
3036	4/16	1133 / 1153	DE VORE - KEIM	19.6	21.9	1.66	7.59	36.4		.6	16	0	"
3037	4/19	1530 / 1601	SADDORIS	19.0	24.2	1.53	7.63	37.0		.5/.6	20	+.02 -.02	FC26
3038	4/23	1323 / 1340	DE VORE - KEIM	18.4	22.8	1.66	7.62	37.8		.6	17	0	FC22
3039	4/26	1353 / 1411	DE VORE	22.8	27.8	2.16	7.88	59.9		.6	20	+.02	"
3040	4/30	1314 / 1333	"	19.0	23.9	1.77	7.67	42.2		.6	16	0	"
3041	5/3	1414 / 1434	"	19.0	22.2	1.58	7.58	35.2		.6	17	0	"
3042	5/7	1118 / 1134	"	19.1	21.8	1.56	7.56	33.9		.6	16	0	"
3043	5/9	1318 / 1335	DE VORE - KEIM	37.0	39.7	1.97	8.05	78.2		.6	17	+.01	"
3044	5/9	1639 / 1653	" "	40.0	51.0	2.16	8.33	110.		.6	17	-.02	"
3045	5/10	0940 / 0959	DE VORE	37.0	37.7	1.87	7.98	70.3		.6	16	-.01	"
3046	5/11	1021 / 1042	"	21.0	28.0	2.12	7.86	59.2		.6	17	0	"
3047	5/14	1126 / 1150	"	20.4	25.4	1.82	7.72	46.1		.6	19	0	"
3048	5/17	1417 / 1439	"	19.4	23.0	1.63	7.61	37.4		.6	18	0	"
3049	5/21	1133 / 1155	"	19.0	22.0	1.55	7.56	34.2		.6	18	0	"
3050	5/24	1425 / 1444	"	19.1	21.3	1.49	7.52	31.7		.6	18	0	"
3051	5/28	1145 / 1201	DE VORE - SJOSTEDT	18.2	20.6	1.48	7.51	30.5		.6	17	0	"
3052	5/31	1410 / 1432	DE VORE	18.2	19.5	1.40	7.44	27.2		.6	17	0	"
3053	6/4	1100 / 1128	SJOSTEDT	18.0	19.0	1.37	7.41	26.0		.6	14	-.01	FC47
3054	6/7	1230 / 1247	"	18.0	18.7	1.32	7.38	24.7		.6	13	0	"
3055	6/11	1421 / 1440	DE VORE	17.2	15.6	0.98	7.20	15.3		.6	16	0	FC22
3056	6/14	1454 / 1514	"	17.1	15.3	0.99	7.18	15.2		.6	17	0	FC18
3057	6/18	1328 / 1349	"	17.2	15.4	0.99	7.19	15.3		.6	17	0	"
3058	6/21	1047 / 1107	"	17.4	15.9	1.00	7.22	15.9		.6	17	0	"
3059	6/25	1011 / 1031	"	17.2	15.2	0.94	7.18	14.3		.6	16	0	"
3060	6/28	1357 / 1414	DE VORE - ROY	16.8	13.9	0.82	7.09	11.4		.6	16	-.01	FC22
3061	7/2	1325 / 1345	DE VORE	17.0	14.6	0.87	7.13	12.7		.6	17	0	"
3062	7/5	1423 / 1438	DE VORE - BOWMAN	16.9	14.0	0.83	7.10	11.6		.6	16	0	"
3063	7/9	0957 / 1015	DE VORE - KEIM	16.4	12.8	0.85	7.03	10.9		.6	16	0	"
3064	7/12	1422 / 1440	DE VORE	16.1	12.0	0.80	6.99	9.6		.6	15	0	"
3065	7/16	1323 / 1341	"	16.1	12.1	0.75	6.98	9.1		.6	15	-.01	"
3066	7/19	1425 / 1443	"	14.8	11.5	0.73	6.96	8.4		.6	15	-.01	"
3067	7/23	0930 / 0948	"	15.0	11.9	0.78	7.00	9.3		.6	15	0	"
3068	7/26	1413 / 1431	"	14.8	11.0	0.68	6.93	7.5		.6	14	-.01	"
3069	7/30	1332 / 1350	"	14.7	10.7	0.65	6.91	7.0		.6	15	0	"
3070	8/2	1438 / 1455	SJOSTEDT - DEVORE	13.2	10.3	0.72	6.92	7.4		.6	14	0	"
3071	8/6	1400 / 1420	SJOSTEDT	13.0	10.1	0.70	6.90	7.1		.6	14	0	"
3072	8/9	1435 / 1455	"	13.4	9.83	0.69	6.87	6.8		.6	14	0	"
3073	8/13	1343 / 1403	"	13.0	10.1	0.63	6.88	6.4		.6	14	0	"
3074	8/16	1600 / 1618	FALCONE - SJOSTEDT	13.9	10.2	0.66	6.91	6.7		.6	14	0	"
3075	8/20	1300 / 1355	SJOSTEDT	12.0	9.82	0.71	6.92	7.0		.6	13	0	"
3076	8/23	1412 / 1428	"	13.0	10.4	0.62	6.90	6.4		.6	14	0	"
3077	8/27	1048 / 1102	DEVORE - KEIM	13.7	10.7	0.72	6.96	7.7		.6	14	-.02	"
3078	8/30	1428 / 1445	DEVORE	13.9	10.8	0.70	6.95	7.6		.6	14	0	"
3079	9/6	1444 / 1501	"	13.6	10.2	0.61	6.90	6.2		.6	14	0	"
3080	9/13	1512 / 1531	"	13.5	9.95	0.62	6.89	6.2		.6	14	0	"
3081	9/17	1651 / 1707	"	13.3	9.60	0.59	6.86	5.7		.6	14	0	"
3082	9/20	1414 / 1430	"	13.5	10.2	0.66	6.91	6.7		.6	14	-.01	"
3083	9/24	1610 / 1625	"	13.5	10.0	0.61	6.90	6.1		.6	13	0	"
3084	9/27	1304 / 1316	"	13.1	9.04	0.53	6.84	4.8		.6	12	0	"

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER - WEST FORK

AT above Forks 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.	G. HT. CHANGE TOTAL	METER NO.
3084	10/2	1520 / 1531	DE VORE - KEIM	13.4	9.50	0.55	6.86	5.2		.6	13	0	FC22
3085	10/4	1345 / 1358	DE VORE	10.6	8.77	0.67	6.91	5.9		.6	12	0	"
3086	10/8	1307 / 1320	"	10.6	8.12	0.57	6.85	4.6		.6	12	0	"
3087	10/11	1423 / 1436	"	10.6	8.05	0.55	6.83	4.4		.6	12	0	"
3088	10/15	1144 / 1158	"	10.6	8.04	0.57	6.83	4.6		.6	12	0	"
3089	10/18	1449 / 1503	"	10.6	8.60	0.67	6.89	5.8		.6	12	0	"
3090	10/22	0826 / 0937	"	10.8	8.87	0.70	6.91	6.2		.6	12	0	"
3091	10/25	0948 / 1001	"	11.0	9.13	0.74	6.94	6.8		.6	12	0	"
3092	10/29	1112 / 1131	"	10.8	8.88	0.82	6.94	7.3		.6	17	-.01	"
3093	11/1	1030 / 1049	"	10.6	8.95	0.86	6.95	7.7		.6	17	0	"
3094	11/5	1330 / 1346	DE VORE - KEIM	10.5	8.99	0.84	6.95	7.5		.6	17	0	"
3095	11/8	1015 / 1034	DE VORE	10.6	8.83	0.83	6.93	7.3		.6	17	0	"
3096	11/10	1055 / 1118	"	37.8	48.0	2.00	8.30	96.2		.6	18	0	"
3097	11/11	1159 / 1225	"	40.0	59.0	2.42	8.57	143.		.6	18	0	"
3098	11/13	1027 / 1046	"	19.0	16.7	1.02	7.26	17.1		.6	16	-.02	"
3099	11/15	1443 / 1512	THOMPSON-DE VORE	11.6	8.68	0.60	6.88	5.2		.6	13	0	"
3100	11/19	1054 / 1110	DE VORE - KEIM	11.1	8.08	0.60	6.81	4.9		.6	16	0	"
3101	11/21	1025 / 1045	DE VORE	11.1	8.04	0.60	6.80	4.8		.6	17	0	"
3102	11/26	1457 / 1519	"	11.0	7.57	0.50	6.75	3.8		.6	17	0	"
3103	11/29	1055 / 1108	STUNDEN	10.0	7.44	0.52	6.74	3.9		.6	11	0	"
3104	12/3	1048 / 1112	DE VORE - KEIM	11.0	7.71	0.51	6.77	3.9		.6	16	0	"
3105	12/6	1048 / 1107	DE VORE	9.5	7.55	0.79	6.88	6.0		.6	16	0	"
3106	12/10	0930 / 0950	"	9.4	6.82	0.66	6.81	4.5		.6	16	0	"
3107	12/13	1242 / 1302	"	9.4	6.92	0.66	6.81	4.6		.6	16	0	"
3108	12/17	1109 / 1125	DE VORE - KEIM	9.3	6.93	0.65	6.81	4.5		.6	16	0	"
3109	12/20	1340 / 1400	DE VORE	9.4	7.01	0.64	6.81	4.5		.6	16	0	"
3110	12/27	1335 / 1353	DE VORE - MC BRIDE	9.5	7.13	0.63	6.82	4.5		.6	16	0	"
3111	12/31	1135 / 1157	DE VORE - KEIM	9.3	7.02	0.66	6.83	4.6		.6	16	0	"
3112	1/3	1449 / 1507	DE VORE	9.3	7.12	0.65	6.83	4.6		.6	16	0	"
3113	1/5	1204 / 1222	"	19.5	18.0	1.22	7.34	22.0		.6	15	0	"
3114	1/7	1036 / 1053	"	10.0	8.27	0.99	6.96	8.2		.6	15	0	"
3115	1/10	1116 / 1131	"	18.9	15.6	1.07	7.21	16.7		.6	13	0	"
3116	1/12	2329 / 2347	DE VORE - KEIM	69.0	156.	2.90	9.55	451.		.6	14	+.20	FC18
3117	1/13	0800 / 0824	" "	70.0	184.	3.89	10.05	716.		.6	13	-.11	"
3118	1/14	1350 / 1409	" "	37.5	44.7	1.61	8.10	72.0		.6	17	-.01	FC22
3119	1/17	1512 / 1553	MC BRIDE - DE VORE	18.0	22.3	1.14	7.53	25.5		.5	15	-.01	"
3120	1/21	1103 / 1119	DE VORE - KEIM	18.2	19.9	1.08	7.43	21.5		.6	16	0	"
3121	1/24	1451 / 1507	DE VORE - BROOK	16.0	19.1	0.97	7.36	18.6		.6	15	0	"
3122	1/26	1206 / 1221	DE VORE - KEIM	18.0	22.7	1.29	7.59	29.2		.6	14	0	"
3123	1/28	1319 / 1335	" "	16.6	20.2	1.09	7.44	22.1		.6	15	0	"
3124	1/31	1506 / 1533	BROOK - DE VORE	16.5	20.4	1.07	7.45	21.9		.6	16	0	"
3125	2/4	1335 / 1351	DE VORE - KEIM	16.4	20.4	1.08	7.46	22.0		.6	15	0	"
3126	2/7	1341 / 1357	DE VORE	16.8	19.9	1.04	7.43	20.6		.6	14	0	"
3127	2/9	1215 / 1232	DE VORE - FAIRCHILD	37.1	37.8	0.97	7.73	36.8		.6	16	-.01	"
3128	2/11	1018 / 1035	DE VORE - KEIM	36.6	36.4	0.95	7.67	34.5		.6	16	0	"
3129	2/14	1319 / 1338	DE VORE	35.8	33.1	0.85	7.59	28.3		.6	15	0	"
3130	2/18	1130 / 1145	DE VORE - KEIM	16.7	20.7	1.15	7.50	23.8		.6	14	0	"
3131	2/21	1400 / 1418	DE VORE	16.7	19.9	1.05	7.44	20.8		.6	14	-.01	"
3132	2/23	1000 / 1015	DE VORE - KEIM	64.0	131.	2.63	9.31	346.		.6	14	-.04	FC18
3133	2/25	1410 / 1426	" "	37.6	37.0	1.38	7.90	51.1		.6	16	0	FC22
3134	2/28	1153 / 1215	DE VORE	41.6	44.6	1.46	8.03	65.0		.6	17	0	"
3135	3/4	1437 / 1456	DE VORE - KEIM	41.7	44.8	1.47	8.05	65.7		.6	19	0	"
3136	3/7	1338 / 1400	BROOK - DE VORE	40.8	43.0	1.38	7.98	59.3		.6	18	0	"
3137	3/11	1343 / 1402	DE VORE - KEIM	37.4	29.9	1.07	7.64	32.0		.5 .6	17	0	"
3138	3/14	1353 / 1413	DE VORE	36.8	26.8	1.03	7.56	27.6		.6	17	0	"
3139	3/18	1325 / 1344	DE VORE - KEIM	18.2	22.3	1.17	7.54	26.0		.6	17	0	"
3140	3/21	1150 / 1208	WOOD - DE VORE	18.0	21.2	1.06	7.49	22.5		.6	16	0	"
3141	3/25	1343 / 1401	DE VORE - KEIM	17.7	19.8	0.98	7.40	19.4		.6	16	0	"
3142	3/28	1335 / 1354	DE VORE	17.7	19.9	0.97	7.38	19.4		.6	15	0	FC22
3143	4/1	1548 / 1604	DE VORE - KEIM	17.1	18.9	0.90	7.34	17.0		.6	15	0	"
3144	4/4	1257 / 1315	DE VORE	17.5	19.0	0.86	7.34	16.4		.6	15	0	"
3145	4/8	1130 / 1145	"	15.2	18.1	0.88	7.35	16.0		.6	15	0	"
3146	4/11	1344 / 1402	"	15.2	17.5	0.90	7.31	15.8		.6	15	0	"
3147	4/15	1320 / 1339	"	15.0	17.4	1.01	7.32	17.6		.6	15	0	"
3148	4/18	1528 / 1546	DE VORE - KEIM	16.6	20.0	1.31	7.50	26.2		.6	16	0	"
3149	4/20	1745 / 1803	DE VORE	15.9	20.6	1.40	7.55	28.9		.6	16	+.01	"
3150	4/22	1312 / 1335	"	15.6	19.7	1.29	7.48	25.5		.6	16	0	"
3151	4/25	1420 / 1441	"	15.3	18.8	1.18	7.41	22.1		.6	16	0	"
3152	4/29	1331 / 1351	"	15.1	17.9	1.13	7.35	20.2		.6	16	-.01	"
3153	5/2	1334 / 1400	MC BRIDE - DE VORE	14.0	17.4	1.06	7.34	18.4		.6	16	0	"
3154	5/6	1314 / 1335	DE VORE	15.0	17.0	1.05	7.31	17.9		.6	16	0	"
3155	5/9	1354 / 1414	"	15.0	17.2	1.02	7.30	17.5		.6	16	0	"
3156	5/11	1755 / 1812	DE VORE - KEIM	16.2	20.2	1.34	7.49	27.0		.6	16	+.02	"
3157	5/13	1028 / 1048	DE VORE	15.4	18.5	1.21	7.40	22.3		.6	16	0	"
3158	5/16	1322 / 1341	"	15.3	17.9	1.11	7.36	19.8		.6	16	-.01	"
3159	5/20	1138 / 1158	"	16.0	21.3	1.50	7.58	32.0		.6	17	0	"
3160	5/23	1318 / 1338	"	16.0	20.2	1.38	7.51	27.8		.6	17	0	"
3161	5/27	1306 / 1328	"	15.7	18.7	1.20	7.42	22.5		.6	17	-.01	"
3162	5/29	1257 / 1319	"	15.7	18.9	1.20	7.42	22.7		.6	17	-.01	"
3163	6/3	1343 / 1401	DE VORE - KEIM	15.4	18.4	0.96	7.37	17.6		.6	16	-.01	"
3164	6/6	1435 / 1455	FALCONE - DE VORE	15.5	18.1	0.83	7.34	15.0		.6	17	0	"
3165	6/10	1404 / 1425	DE VORE	16.2	19.8	1.05	7.45	20.7		.6	17	0	"
3166	6/13	1248 / 1308	DE VORE - LINDSAY	16.0	19.2	0.96	7.41	18.5		.6	17	0	"
3167	6/17	1327 / 1346	DE VORE	15.4	18.0	0.78	7.33	14.1		.6	16	0	"
3168	6/20	1425 / 1443	"	14.2	16.4	0.82	7.26	13.4		.6	15	0	"
3169	6/24	1100 / 1118	"	14.3	16.6	0.80	7.26	13.3		.6	15	-.01	"
3170	6/27	1252 / 1310	"	14.3	16.2	0.77	7.23	12.4		.6	15	0	"
3171	7/1	1335 / 1353	"	14.1	15.7	0.71	7.22	11.2		.6	15	-.01	"
3172	7/3	1459 / 1511	"	14.0	15.3	0.67	7.17	10.2		.6	15	-.01	"
3173	7/9	0812 / 0826	"	11.2	11.2	0.91	7.16	10.2		.6	12	0	"
3174	7/11	1548 / 1603	"	11.0	10.7	0.79	7.11	8.5		.6	12	0	"
3175	7/15	1306 / 1320	"	11.0	10.7	0.79	7.11	8.5		.6	12	0	"
3176	7/18	1132 / 1146	"	11.3	10.8	0.82	7.13	8.9		.6	13	0	"
3177	7/22	1443 / 1457	"	11.0	10.3	0.77	7.07	7.9		.6	12	0	"
3178	7/25	1403 / 1419	"	11.4	10.6	0.75	7.12	7.9		.6	12	0	"
3179	7/29	1039 / 1053	"	11.4	10.6	0.77	7.11	8.2		.6	12	0	"
3180	8/1	1210 / 1224	"	11.3	10.4	0.72	7.09	7.5		.6	12	0	"
3181	8/5	1310 / 1326	SJOSTEDT	11.5	11.2	0.66	7.13	7.4		.6	12	0	"
3182	8/5	1410 / 1425	"	11.5	11.0	0.62	7.13	6.8		.5 .6	13	0	"
3183	8/8	1405 / 1425	"	11.2	11.1	0.66	7.14	7.3		.6	12	0	"
3184	8/12	1110 / 1124	DE VORE - KEIM	11.3	10.9	0.69	7.15	7.5		.6	12	0	"
3185	8/15	1304 / 1319	DE VORE	11.3	10.6	0.64	7.12	6.8		.6	12	0	"
3186	8/19	1515 / 1525	DE VORE - KEIM	11.1	10.3	0.58	7.10	6.0		.6	12	0	"
3187	8/22	1351 / 1406	DE VORE	11.0	9.97	0.64	7.07	6.4		.6	12	0	"
3188	8/26	1517 / 1533	"	11.1	10.0	0.61	7.07	6.1		.6	12	0	"
3189	8/29	0853 / 0918	"	11.6	11.6	0.94	7.21	10.9		.6	12	0	"
3190	9/5	1445 / 1502	SARASUA - DE VORE	11.5	10.7	0.90	7.16	9.6		.6	13	0	"
3191	9/12	1317 / 1332	DE VORE	11.8	12.4	0.86	7.28	10.7		.6	13	0	"
3192	9/16	1510 / 1524	"	10.8	9.59	0.67	7.03	6.4		.6	12	0	"
3193	9/19	1405 / 1418	"	11.7	11.6	1.04	7.22	12.0		.6	13	0	"
3194	9/23	1400 / 1410	SJOSTEDT	18.0	14.8	0.64	7.50	9.5		.6	10	0	"
3195	9/26	1440 / 1455	"	22.0	16.3	0.58	7.36	9.4		.6	12	0	"
3196	9/30	1125 / 1143	DE VORE	20.6	15.2	0.64	7.37	9.7		.6	15	0	"

75D76M Gb 12-53

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, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	13	11	5.7	7.7	38	15	11	40	26	13	6.8	7.0
2	13	11	6.3	7.7	32	15	11	38	24	12	7.1	6.8
3	13	11	6.3	7.4	29	14	15	36	24	12	7.1	6.4
4	13	11	a 7.1	7.4	27	14	15	35	24	12	7.1	6.2
5	13	5.7	7.3	7.2	25	14	15	34	24	12	6.8	6.2
6	13	4.1	7.8	7.2	23	14	14	34	24	11	6.8	6.0
7	13	3.2	6.5	7.2	22	14	14	33	23	11	6.6	6.0
8	13	2.8	a 7.0	7.0	21	14	13	32	18	11	6.6	5.8
9	13	2.8	6.5	7.0	20	13	14	72	16	10	6.6	5.6
10	13	2.8	6.5	7.0	19	13	14	68	16	9.3	6.4	6.0
11	13	2.8	6.5	7.2	18	13	15	58	15	9.3	6.4	6.0
12	13	3.1	6.5	7.0	17	13	50	52	14	9.3	6.2	6.0
13	13	3.4	6.5	7.0	16	12	69	48	14	9.3	6.2	6.0
14	13	7.6	6.5	7.0	16	12	46	43	15	9.3	6.2	6.0
15	13	6.5	6.5	7.0	16	12	37	41	16	8.9	5.8	6.0
16	13	5.5	6.5	7.0	15	12	36	38	16	8.9	6.8	6.0
17	12	5.3	6.3	7.0	15	12	37	38	15	8.6	6.8	6.0
18	13	5.3	6.3	7.2	15	11	38	36	14	8.6	6.6	6.0
19	12	4.9	6.3	7.2	15	11	37	35	14	8.6	6.6	6.2
20	13	4.7	6.3	7.2	14	11	40	34	14	8.2	6.6	6.6
21	13	6.0	6.5	7.2	14	11	40	32	15	7.9	6.4	6.6
22	12	6.5	6.5	7.2	14	11	38	31	14	7.7	6.2	6.4
23	12	6.3	7.0	7.2	20	11	38	30	14	7.9	6.0	6.4
24	11	6.1	7.2	7.2	24	9.9	38	31	13	7.3	6.2	6.4
25	11	5.9	7.4	13	19	9.6	36	31	13	7.3	6.6	6.4
26	11	5.5	7.4	504	17	9.9	51	30	12	7.1	7.0	6.2
27	12	5.1	7.7	272	16	9.6	53	30	11	7.3	7.1	4.7
28	12	5.1	7.7	98	16	9.9	46	29	11	7.0	7.1	5.0
29	11	5.3	7.7	60	15	9.9	43	29	11	6.4	7.1	4.5
30	11	5.5	7.7	48		9.6	42	28	11	6.6	7.3	4.7
31	11		7.7	46		9.6		27		6.6	7.3	
	385.0	211.7		568.0		966.0		491.0		205.4		
	171.8		1213.4		370.0		1173.0		281.4		180.1	
MEAN	12.4	5.73	6.83	39.1	19.6	11.9	32.2	37.8	16.4	9.08	6.66	6.00
ACRE-FEET	764.	341.	420.	2410.	1130.	734.	1920.	2330.	974.	558.	409.	357.

Remarks:

YEAR OR PERIOD MEAN 17.0
ACRE-FEET 12,350.

75D76M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

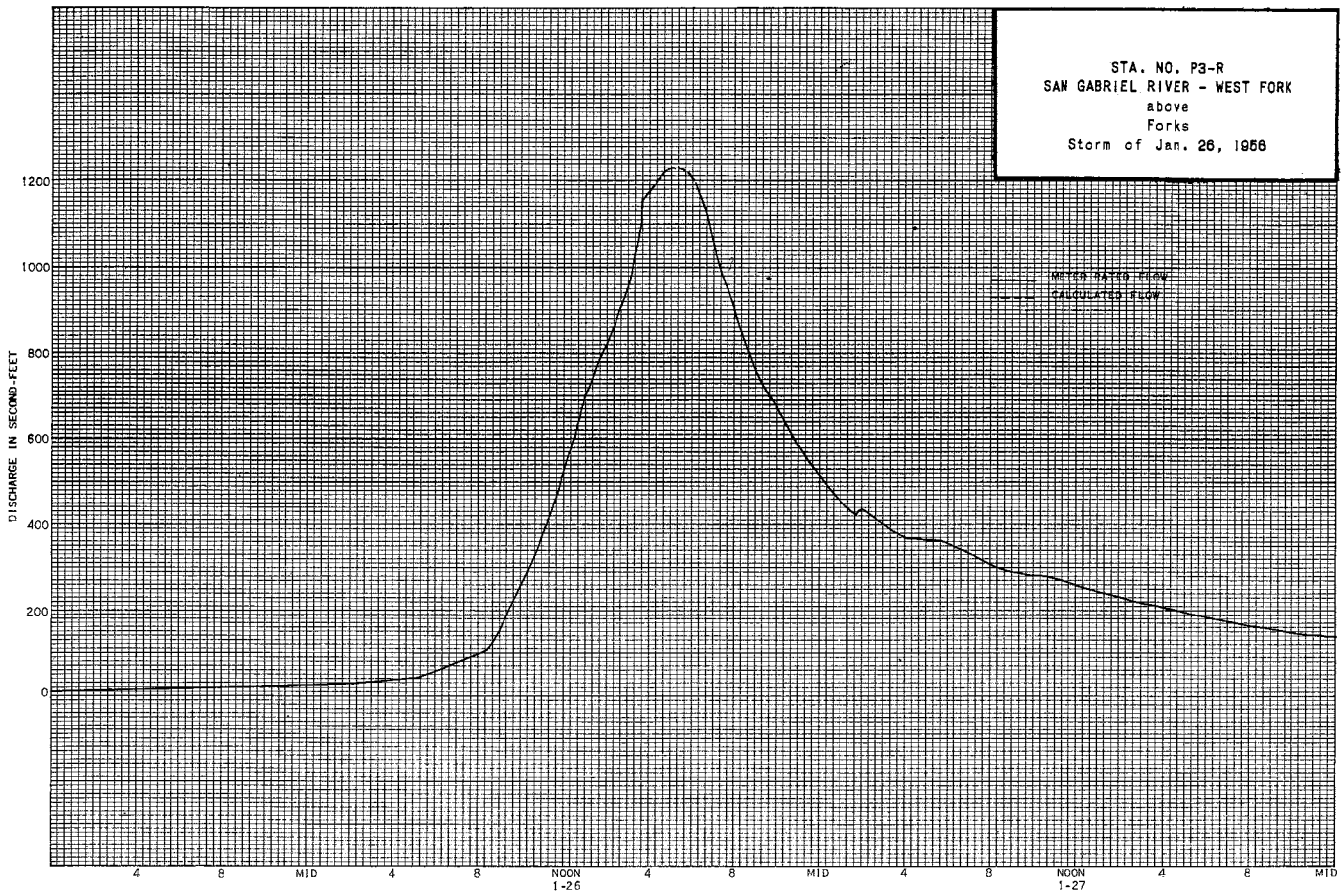
Sta. No. P3-R

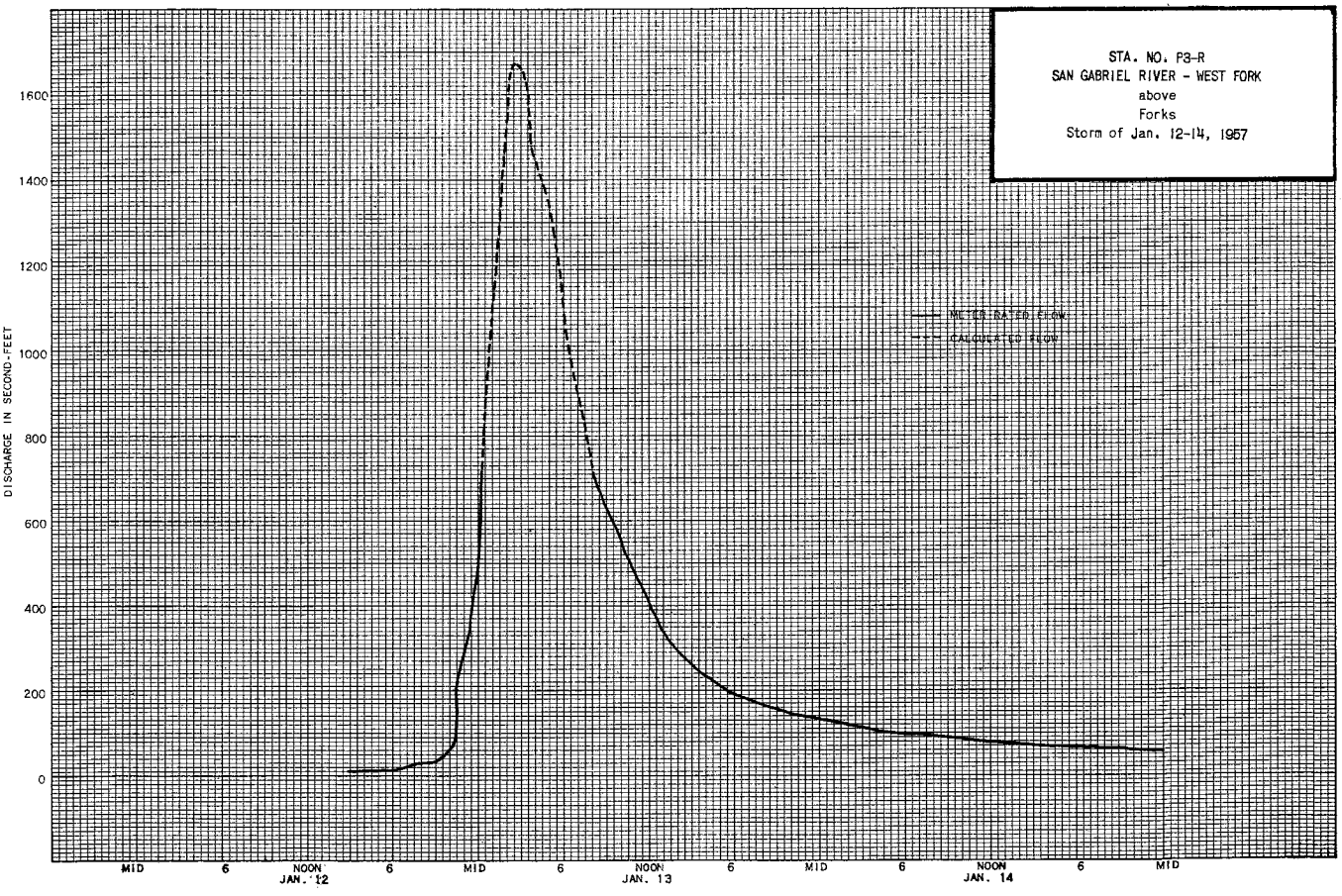
Daily discharge, in second-feet of SAN GABRIEL RIVER - WEST FORK above Forks, for the year ending September 30, 1957

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4.7	7.5	3.7	4.7	22	84	18	18	19	11	7.0	10
2	5.0	7.3	3.8	4.7	22	75	16	18	18	11	7.3	10
3	5.2	7.1	4.0	4.7	22	70	16	18	17	10	7.3	10
4	5.8	7.1	4.0	5.0	22	66	16	17	16	9.5	7.0	10
5	5.4	7.3	4.5	16	22	64	16	17	15	9.4	7.0	10
6	4.7	7.3	6.0	11	21	62	16	17	15	9.6	7.0	10
7	4.5	7.1	5.4	8.6	21	60	16	18	16	9.4	7.0	10
8	4.3	7.1	5.0	9.6	24	50	15	18	17	9.2	7.0	11
9	4.1	25	4.7	8.6	27	39	14	18	18	9.1	7.0	11
10	4.1	115	4.5	15	36	36	15	20	21	9.1	6.8	10
11	4.3	143	4.5	13	35	32	16	28	20	8.8	6.6	1.0
12	4.5	90	4.7	38	32	30	18	25	18	8.6	6.6	10
13	4.5	23	4.7	597	30	29	19	22	18	8.4	6.6	10
14	4.5	6.6	4.7	83	28	28	19	22	17	8.1	6.4	10
15	4.3	5.2	4.5	46	27	27	18	21	17	8.1	6.4	9.7
16	4.9	4.9	4.5	33	25	31	18	19	16	8.1	6.3	7.2
17	5.6	4.9	4.5	27	24	f 28	20	18	14	7.9	6.2	11
18	5.6	4.7	4.3	23	24	f 26	29	20	13	7.9	5.9	11
19	5.8	4.6	4.5	22	23	25	22	40	13	7.9	5.9	12
20	5.6	4.7	4.5	22	21	23	25	f 32	13	7.9	6.4	11
21	5.8	4.7	4.5	22	21	22	28	31	13	7.9	6.6	9.9
22	6.0	4.3	4.7	19	20	22	25	28	13	7.9	6.4	e 9.4
23	6.2	4.1	4.7	19	155	21	24	27	13	7.7	5.9	9.0
24	6.4	3.8	4.7	19	74	f 21	23	26	12	7.5	5.9	9.1
25	6.4	3.8	4.7	18	60	f 20	22	24	12	7.3	5.7	9.3
26	6.2	3.8	4.5	27	71	19	21	22	12	7.0	5.9	9.4
27	6.4	3.8	4.5	24	66	19	21	22	12	7.0	6.2	9.4
28	7.0	3.7	4.5	22	74	19	20	22	12	7.0	6.8	9.3
29	7.3	3.5	4.5	25		19	20	22	11	7.0	10	9.2
30	7.1	3.5	4.7	23		19	19	22	11	6.8	11	e 9.2
31	7.3		4.7	22		18		21		6.8	11	
	169.5	141.7		1059		585		452		215.1		
	528.4		1231.9		1104		693		258.9		297.1	
MEAN	5.47	17.6	4.57	39.7	37.8	35.6	19.5	22.4	15.1	8.35	6.94	9.90
ACRE-FEET	336.	1050.	281.	2440.	2100.	2190.	1160.	1370.	897.	514.	427.	589.

Remarks:

YEAR OR PERIOD MEAN 18.5
ACRE-FEET 13,350.


STA. NO. P3-R
SAN GABRIEL RIVER - WEST FORK
above
Forks
Storm of Jan. 26, 1956
METER RATED FLOW
CALCULATED FLOW
DISCHARGE IN SECOND-FEET
0
200
400
600
800
1000
1200
4
8
MID
4
8
NOON
1-26
4
8
MID
4
8
NOON
1-27
4
8
MID


STA. NO. P3-R
SAN GABRIEL RIVER - WEST FORK
above
Forks
Storm of Jan. 12-14, 1957
METER RATED FLOW
CALCULATED FLOW
DISCHARGE IN SECOND-FEET
0
200
400
600
800
1000
1200
1400
1600
MID
6
NOON
JAN. 12
6
MID
6
NOON
JAN. 13
6
MID
6
NOON
JAN. 14
6
MID

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: INSTALLED NOVEMBER 30, 1932 AT STATION P4-R, MOVED TO STATION P4B-R DECEMBER 10, 1938 AND INSTALLED IN A CONCRETE HOUSE OVER A 4 FT. X 4 FT. CONCRETE STILLING WELL. AN AU CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1955 TO SEPTEMBER 30, 1957.

REGULATION: NONE.

DIVERSIONS: NONE.

RECORDS AVAILABLE: AT STATION P4-R AND P4B-R, NOVEMBER 30, 1932 TO SEPTEMBER 30, 1957.

EXTREMES OF DISCHARGE:
1955-56
MAXIMUM 1020 SECOND-FEET JANUARY 26.
MINIMUM 9.2 SECOND-FEET SEPTEMBER 16.
1956-57
MAXIMUM 1060 SECOND-FEET JANUARY 13.
MINIMUM 8.8 SECOND-FEET SEPTEMBER 8.
1932-57
MAXIMUM 46000 SECOND-FEET MARCH 2, 1938 (COMPUTED BY GEOLOGICAL SURVEY.)
MINIMUM 1.5 SECOND-FEET OCTOBER 1, 1934.

ACCURACY: LOW FLOWS - GOOD. HIGH FLOWS - FAIR.

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

AT OR 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.
2659	10/3	1730 / 1750	DE VORE	16.4	11.2	1.14	7.85	12.8		.6	17	0	FC22
2660	10/6	1609 / 1628	"	16.2	11.1	1.14	7.84	12.7		.6	17	0	"
2661	10/10	1114 / 1132	"	16.4	11.7	1.23	7.88	14.4		.6	17	0	"
2662	10/13	1456 / 1516	"	16.3	11.2	1.13	7.84	12.7		.6	17	0	"
2663	10/17	0943 / 1003	"	16.3	11.7	1.24	7.88	14.5		.6	17	0	"
2664	10/20	1507 / 1526	"	16.4	11.7	1.25	7.88	14.6		.6	17	0	"
2665	10/24	0956 / 1015	"	16.2	11.5	1.23	7.88	14.2		.6	17	0	"
2666	10/27	1455 / 1515	"	16.3	11.5	1.22	7.87	14.1		.6	17	0	"
2667	10/31	1010 / 1030	"	16.3	11.5	1.23	7.87	14.1		.6	17	0	"
2668	11/3	1530 / 1550	"	16.2	11.4	1.18	7.86	13.5		.6	17	0	"
2669	11/7	0911 / 0931	"	16.0	11.0	1.13	7.84	12.4		.6	17	0	"
2670	11/10	1438 / 1457	"	16.0	11.2	1.15	7.85	12.9		.6	17	0	"
2671	11/14	0618 / 0633	"	17.2	15.7	1.73	8.12	27.4		.6	17	-.01	"
2672	11/14	1531 / 1552	"	16.7	13.2	1.47	7.98	19.4		.6	17	0	"
2673	11/17	1505 / 1524	"	16.3	12.4	1.33	7.92	16.5		.6	17	0	"
2674	11/21	1340 / 1400	DE VORE - LANPHEAR	33.0	22.7	1.83	8.41	41.6		.6	12	-.29	"
2675	11/21	1545 / 1553	DE VORE	17.7	17.4	1.97	8.23	34.3		.6	11	-.04	"
2676	11/22	1013 / 1032	"	16.4	12.8	1.60	8.00	20.5		.6	17	-.01	"
2677	11/23	1509 / 1528	"	16.3	12.4	1.48	7.95	18.4		.6	17	0	"
2678	11/28	0827 / 0847	"	16.0	11.5	1.37	7.90	15.8		.6	17	0	"
2679	12/1	1505 / 1523	"	16.0	11.6	1.41	7.91	16.3		.6	17	0	"
2680	12/4	1555 / 1614	"	16.2	12.6	1.52	7.98	19.2		.6	17	0	"
2681	12/5	1016 / 1036	"	16.0	12.2	1.48	7.95	18.1		.6	17	0	"
2682	12/8	1456 / 1515	"	16.0	11.2	1.54	7.93	17.2		.6	17	0	"
2683	12/12	0947 / 1006	DE VORE	16.0	11.6	1.40	7.92	16.2		.6	17	0	"
2684	12/15	1457 / 1515	"	16.0	11.7	1.39	7.91	16.3		.6	17	0	"
2685	12/19	1134 / 1153	"	16.0	11.6	1.38	7.91	16.0		.6	17	0	"
2686	12/22	1512 / 1531	"	16.0	11.4	1.34	7.90	15.3		.6	17	0	"
2687	12/29	1511 / 1531	"	16.0	11.8	1.42	7.92	16.8		.6	17	0	"
2688	1/5	1537 / 1556	"	16.0	11.4	1.40	7.90	16.0		.6	17	0	"
2689	1/9	1119 / 1140	DE VORE - KEIM	16.0	11.4	1.38	7.90	15.7		.6	17	0	"
2690	1/12	1543 / 1601	DE VORE	16.0	11.2	1.32	7.89	14.8		.6	17	0	"
2691	1/16	1503 / 1522	DE VORE - KEIM	16.0	11.0	1.38	7.89	15.2		.6	17	0	"
2692	1/19	1600 / 1618	DE VORE	16.0	11.4	1.34	7.89	15.3		.6	17	0	FC22
2693	1/23	1504 / 1520	DE VORE - KEIM	16.0	11.2	1.31	7.89	14.7		.6	17	0	"
2694	1/25	1338 / 1352	DE VORE	16.6	13.5	1.67	8.03	22.5		.6	17	+.03	"
2695	1/25	1637 / 1652	"	16.6	15.5	1.94	8.16	30.0		.6	17	+.01	"
2696	1/25	2042 / 2058	DE VORE - KEIM	17.1	17.7	2.18	8.27	38.7		.6	17	+.01	"
2697	1/25	2256 / 2310	" "	17.4	19.1	2.30	8.33	43.8		.6	18	+.02	"
2698	1/26	0713 / 0725	" "	30.6	28.2	3.93	8.77	111.		.6	14	-.02 +.01	"
2699	1/26	1408 / 1429	" "	59.0	76.5	6.72	9.56	514.		.6	11	+.06	"
2700	1/26	1658 / 1717	" "	103.	137.	7.11	10.17	972.		.6	15	-.02	"
2701	1/26	2143 / 2211	" "	98.0	111.	6.61	9.86	734.		.6	17	0	"
2702	1/27	1203 / 1223	" "	CHANNELS			9.31	472.		.6		-.01	"
2703	1/28	1522 / 1536	" "	47.9	37.6	4.33	8.83	163.		.6	17	0	
2704	1/30	1351 / 1405	DE VORE	33.4	22.2	4.11	8.53	91.1		.6	13	0	"
2705	2/2	1549 / 1607	"	23.6	19.2	3.31	8.38	63.6		.6	18	0	"
2706	2/6	1029 / 1051	"	19.4	17.1	3.15	8.30	53.9		.5 .6	17	0	"
2707	2/9	1533 / 1555	"	19.4	15.9	3.09	8.25	49.1		.6	18	0	"
2708	2/16	1453 / 1512	"	19.4	15.8	2.78	8.22	43.9		.6	16	0	"
2709	2/20	0956 / 1018	"	17.0	15.3	2.48	8.19	37.9		.6	17	0	"
2710	2/23	1032 / 1049	DE VORE - KEIM	19.2	15.9	2.60	8.22	41.3		.6	17	0	"
2711	2/24	1109 / 1128	DE VORE	19.6	17.4	3.04	8.30	52.9		.6	17	0	"
2712	2/27	1057 / 1114	DE VORE - KEIM	17.5	16.0	2.52	8.23	40.4		.6	15	0	"
2713	3/1	1522 / 1543	DE VORE	17.1	14.9	2.48	8.19	37.0		.6	16	0	"
2714	3/5	1002 / 1022	"	17.0	14.8	2.38	8.19	35.3		.6	17	0	"
2715	3/8	0947 / 1008	"	17.1	15.0	2.32	8.18	34.8		.6	17	0	"
2716	3/12	1405 / 1424	"	17.0	13.9	2.45	8.16	34.1		.6	17	0	"
2717	3/15	1535 / 1557	"	16.5	13.3	2.43	8.14	32.3		.6	18	0	"
2718	3/19	1354 / 1413	"	16.8	13.9	2.26	8.14	31.4		.6	17	0	"
2719	3/22	1452 / 1510	DE VORE - SADDORIS	16.8	13.9	2.20	8.13	30.6		.6	17	0	"
2720	3/26	1119 / 1140	DE VORE	16.4	13.0	2.36	8.13	30.6		.6	17	0	"
2721	3/29	0910 / 0935	SADDORIS	16.5	13.0	2.37	8.12	30.7		.5 .6	21	0	FC26
2722	4/2	1611 / 1628	DE VORE - KEIM	16.6	13.3	2.24	8.13	29.8		.6	17	0	FC22
2723	4/5	1529 / 1551	DE VORE	16.5	12.8	2.11	8.09	27.0		.6	18	0	"
2724	4/9	1317 / 1332	"	13.3	13.5	1.79	8.08	24.2		.6	14	0	"

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER - EAST FORK

at above Forks DURING THE YEAR ENDING SEPTEMBER 30, 1957

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.
2725	4/12	1117 / 1126	DE VORE - KEIM	14.0	15.4	2.14	8.19	33.0		.6	14	0	FC22
2726	4/12	1630 / 1637	" "	18.0	17.0	2.62	8.29	44.4		.6	10	0	"
2727	4/12	2157 / 2207	" "	26.2	20.9	3.17	8.46	66.4		.6	12	0	"
2728	4/13	1542 / 1600	DE VORE	14.2	16.8	2.71	8.29	45.6		.6	15	0	"
2729	4/16	1250 / 1404	DE VORE - KEIM	14.0	15.9	2.46	8.23	39.1		.6	14	0	"
2730	4/19	0815 / 0950	SADDORIS	14.1	17.6	2.79	8.29	49.2		.2 / .6	15	0	"
2731	4/23	1100 / 1119	DE VORE - KEIM	14.6	17.5	2.84	8.36	49.7		.6	15	0	"
2732	4/26	1516 / 1531	DE VORE	15.0	20.1	3.33	8.49	67.0		.6	15	0	"
2733	4/30	1039 / 1102	"	15.4	17.7	3.18	8.38	56.3		.6	18	0	"
2734	5/3	1542 / 1601	"	15.5	16.0	2.94	8.31	47.0		.6	15	0	"
2735	5/7	0951 / 1007	DE VORE - KEIM	15.0	16.0	3.03	8.29	48.5		.6	15	0	"
2736	5/9	1023 / 1039	DE VORE	21.0	22.5	3.17	8.48	71.4		.6	19	0	"
2737	5/9	1523 / 1535	DE VORE - KEIM	29.5	29.8	3.27	8.62	97.9		.6	15	+.01	"
2738	5/9	1749 / 1802	" "	30.0	32.2	3.17	8.68	102.		.6	16	+.02	"
2739	5/11	0910 / 0934	DE VORE	29.0	24.3	3.75	8.56	91.2		.6	16	0	"
2740	5/14	1005 / 1026	"	28.5	22.9	3.35	8.53	76.7		.6	16	0	"
2741	5/17	1523 / 1542	"	28.2	21.2	3.23	8.44	68.5		.6	16	0	"
2742	5/21	0952 / 1010	"	24.4	21.8	2.95	8.43	64.4		.6	14	0	"
2743	5/24	1531 / 1549	"	21.1	20.1	2.97	8.38	59.7		.6	15	0	"
2744	5/28	1338 / 1353	DE VORE - SJOSTEDT	21.1	19.7	2.74	8.37	54.0		.6	15	0	"
2745	5/31	1519 / 1537	DE VORE	21.5	19.0	2.52	8.30	48.0		.6	15	0	"
2746	6/4	1315 / 1338	SJOSTEDT	20.5	16.8	2.42	8.22	40.7		.6	15	0	FC47
2747	6/7	1017 / 1039	"	20.0	16.9	2.43	8.22	41.0		.6	15	0	"
2748	6/11	1108 / 1131	DE VORE	16.4	15.4	2.45	8.17	37.8		.6	17	0	FC22
2749	6/14	1553 / 1613	DE VORE	16.4	14.0	2.38	8.13	33.4		.6	16	0	FC18
2750	6/18	1448 / 1510	"	16.6	13.4	2.54	8.12	34.0		.6	17	-.01	"
2751	6/21	0936 / 0955	"	16.6	13.3	2.68	8.15	35.7		.6	17	0	"
2752	6/25	1335 / 1352	"	16.6	12.8	2.24	8.07	28.7		.6	17	0	"
2753	6/28	1536 / 1553	DE VORE - ROY	16.2	11.6	2.04	8.02	23.7		.6	17	0	FC22
2754	7/2	1051 / 1112	DE VORE	17.0	13.1	2.26	8.07	29.6		.6	17	0	"
2755	7/5	1615 / 1634	DE VORE - BOWMAN	20.7	12.8	1.87	7.99	23.9		.6	16	0	"
2756	7/9	1340 / 1357	DE VORE - KEIM	16.7	13.2	1.66	7.96	21.9		.6	17	0	"
2757	7/12	1513 / 1540	DE VORE	16.7	12.6	1.63	7.93	20.5		.6	17	-.01	"
2758	7/16	1041 / 1103	"	17.2	13.1	1.63	7.96	21.4		.5 / .6	17	0	"
2759	7/19	1531 / 1551	"	17.2	12.3	1.46	7.91	18.0		.6	17	-.01	"
2760	7/23	1113 / 1135	"	17.7	13.0	1.52	7.93	19.8		.5 / .6	17	0	"
2761	7/26	1523 / 1542	"	19.7	12.6	1.49	7.91	18.8		.5 / .6	18	0	"
2762	7/30	1042 / 1105	"	17.8	14.5	1.34	7.91	19.4		.6	17	0	"
2763	8/2	1537 / 1559	SJOSTEDT - DE VORE	16.7	13.5	1.28	7.88	17.3		.6	17	0	"
2764	8/6	1530 / 1552	SJOSTEDT	16.5	14.0	1.09	7.85	15.3		.6	17	-.01	"
2765	8/9	1545 / 1608	"	16.0	13.6	1.06	7.83	14.4		.6	18	0	"
2766	8/13	1521 / 1545	"	17.2	16.1	0.78	7.80	12.5		.6	18	0	"
2767	8/16	1007 / 1035	FALCONE - SJOSTEDT	17.0	13.9	1.11	7.83	15.4		.5 / .6	19	0	"
2768	8/20	1128 / 1150	SJOSTEDT	16.0	12.3	1.21	7.82	14.9		.5 / .6	18	0	"
2769	8/23	1520 / 1540	"	16.0	13.5	0.87	7.75	11.7		.5 / .6	18	0	"
2770	8/27	1356 / 1418	DE VORE - KEIM	17.2	13.2	1.11	7.82	14.6		.5 / .6	18	0	"
2771	8/30	1530 / 1548	DE VORE	17.1	12.8	1.14	7.81	14.6		.6	17	0	"
2772	9/6	1558 / 1616	"	17.0	10.4	1.11	7.75	11.6		.6	17	0	"
2773	9/13	1618 / 1636	"	17.0	10.8	1.05	7.76	11.4		.6	17	0	"
2774	9/17	1421 / 1436	"	17.4	11.1	1.03	7.75	11.4		.6	14	0	"
2775	9/17	1730 / 1753	"	17.4	10.7	0.98	7.72	10.3		.6	18	0	"
2776	9/20	1322 / 1340	"	17.0	11.6	1.09	7.77	12.6		.5 / .6	17	0	"
2777	9/24	1515 / 1533	"	16.0	10.6	1.02	7.74	10.8		.5 / .6	17	0	"
2778	9/27	1106 / 1124	"	16.0	11.2	1.04	7.76	11.6		.6	17	0	"
2779	10/2	1416 / 1433	DE VORE - KEIM	18.8	13.9	0.85	7.76	11.8		.6	18	0	FC22
2780	10/4	1456 / 1517	DE VORE	16.4	11.9	1.24	7.81	14.8		.6	18	0	"
2781	10/8	1021 / 1042	"	16.6	12.3	1.21	7.82	14.9		.6	17	0	"
2782	10/11	1520 / 1540	"	16.4	11.5	1.10	7.79	12.7		.6	17	0	"
2783	10/15	1444 / 1504	"	16.6	11.8	1.04	7.78	12.3		.6	17	0	"
2784	10/18	1320 / 1339	"	16.8	12.3	1.02	7.81	12.6		.6	17	-.01	"
2785	10/22	1037 / 1055	"	16.4	11.1	1.17	7.81	13.0		.6	17	0	"
2786	10/25	0851 / 0911	"	16.6	12.0	1.18	7.83	14.2		.6	17	0	"
2787	10/29	1341 / 1401	"	16.8	12.5	1.26	7.85	15.7		.6	17	0	"
2788	11/1	0920 / 0939	"	16.8	12.1	1.20	7.84	14.5		.6	17	0	"
2789	11/5	1020 / 1039	"	16.8	12.2	1.16	7.84	14.2		.6	17	0	"
2790	11/8	0921 / 0940	"	16.8	11.9	1.14	7.82	13.6		.6	17	0	"
2791	11/15	1342 / 1349	DE VORE - THOMPSON	17.0	12.3	1.09	7.81	13.4		.6	17	0	"
2792	11/19	0951 / 1007	DE VORE - KEIM	16.8	12.0	1.08	7.80	13.0		.6	17	0	"
2793	11/21	0929 / 0950	DE VORE	17.1	13.0	1.06	7.81	13.8		.6	17	0	"
2794	11/26	1343 / 1402	"	17.0	12.4	1.07	7.80	13.3		.6	17	0	"
2795	11/29	0955 / 1014	STUNDEN	16.5	13.1	0.92	7.79	12.0		.6	16	0	"
2796	12/3	1344 / 1405	DE VORE	16.8	12.7	1.06	7.80	13.4		.6	17	0	"
2797	12/6	0931 / 0953	"	17.2	13.6	1.40	7.88	19.0		.6	17	0	"
2798	12/10	1040 / 1102	"	16.7	12.3	1.23	7.83	15.1		.6	17	0	"
2799	12/13	1340 / 1401	"	16.6	12.1	1.19	7.82	14.4		.6	17	0	"
2800	12/17	0950 / 1008	DE VORE - KEIM	16.6	11.9	1.18	7.82	14.1		.6	17	0	"
2801	12/20	1436 / 1456	DE VORE	16.6	11.7	1.18	7.83	13.8		.6	17	0	"
2802	12/27	1436 / 1456	DE VORE	16.5	11.6	1.19	7.83	13.8		.6	17	0	"
2803	12/31	1026 / 1044	DE VORE - KEIM	16.5	11.4	1.15	7.84	13.1		.6	17	0	"
2804	1/3	1317 / 1336	DE VORE	16.6	11.7	1.15	7.85	13.5		.6	17	0	"
2805	1/5	1113 / 1135	"	24.1	17.3	1.56	8.05	27.0		.6	18	0	"
2806	1/7	1339 / 1353	"	17.6	13.4	1.29	7.92	17.3		.6	18	0	"
2807	1/10	0941 / 1001	"	25.7	21.4	1.98	8.19	42.5		.6	20	-.01	"
2808	1/12	2204 / 2214	DE VORE - KEIM	26.9	23.1	3.31	8.47	76.4		.6	10	+.10	"
2809	1/13	0244 / 0416	" "	93.0	134.	7.08	10.30	949.		.6	13	+.43	FC11
2810	1/13	0832 / 0858	" "	88.0	130.	6.90	10.52	893.		.6	12	-.06	"
2811	1/14	1038 / 1057	" "	44.2	34.6	3.78	9.59	131.		.6	17	-.01	FC22
2812	1/15	1110 / 1130	DE VORE	43.9	28.3	3.16	9.36	89.5		.6	17	0	"
2813	1/17	1310 / 1340	MC BRIDE - DE VORE	43.0	25.3	2.17	9.19	54.8		.6	16	-.02	"
2814	1/21	1349 / 1414	DE VORE - KEIM		CHANNELS		9.09	41.8		.6	20	0	"
2815	1/23	1001 / 1030	DE VORE		"		9.09	37.8		.6	20	0	"
2816	1/24	1328 / 1400	DE VORE - BROOK		"		9.09	38.6		.6	20	0	"
2817	1/26	1034 / 1059	DE VORE - KEIM		"		9.17	47.0		.6	21	0	"
2818	1/28	1040 / 1108	" "		"		9.10	38.6		.6	22	0	"
2819	1/31	1310 / 1357	BROOK - DE VORE		"		9.08	37.2		.6	22	0	"
2820	2/4	1042 / 1109	DE VORE - KEIM		"		9.11	40.2		.6	22	0	"
2821	2/7	1457 / 1527	DE VORE		"		9.11	39.0		.6	22	0	"
2822	2/9	1020 / 1040	DE VORE - FAIRCHILD	41.2	37.0	2.45	9.48	90.6		.6	16	+.01	"
2823	2/11	1143 / 1205	DE VORE	41.4	35.8	2.59	9.48	92.9		.6	18	0	"
2824	2/14	1422 / 1445	"	41.0	31.9	2.32	9.36	73.9		.6	18	0	"
2825	2/18	1010 / 1028	DE VORE - KEIM	40.6	29.4	2.17	9.29	63.7		.6	17	0	"
2826	2/21	1510 / 1545	DE VORE	40.5	27.6	2.03	9.23	56.0		.6	18	0	"
2827	2/23	0908 / 0924	DE VORE - KEIM	42.3	47.5	4.27	9.90	203.		.6	17	0	"
2828	2/25	1500 / 1517	" "	40.7	26.9	3.28	9.27	88.2		.6	16	0	"
2829	2/28	1417 / 1433	DE VORE	41.0	28.4	3.66	9.34	104.		.5 / .6	16	+.04	"
2830	3/2	1120 / 1144	"	40.8	28.1	3.48	9.30	97.9		.6	19	0	"
2831	3/4	1035 / 1057	DE VORE - KEIM	40.7	27.6	3.25	9.27	89.6		.6	19	0	"
2832	3/7	1543 / 1606	BROOK - DE VORE	40.4	25.3	3.28	9.18	83.1		.6	19	0	"

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATINGS	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
2833	3/9	1741 / 1757	DE VORE - KEIM	40.8	29.4	3.35	9.33	98.4		.6	19	+.01	FC22
2834	3/11	1015 / 1037	" "	40.2	24.9	2.99	9.17	74.4		.6	19	0	"
2835	3/14	1534 / 1556	DE VORE	39.2	23.5	2.89	9.12	68.0		.5 / .6	19	0	"
2836	3/18	1046 / 1108	DE VORE - KEIM	39.2	23.0	2.81	9.11	64.6		.5 / .6	19	0	"
2837	3/21	1433 / 1455	WOOD - DE VORE	38.0	22.5	2.58	9.07	58.0		.6	19	0	"
2838	3/25	1058 / 1119	DE VORE - KEIM	38.0	20.5	2.66	9.03	54.7		.5 / .6	19	0	"
2839	3/28	1510 / 1534	DE VORE	37.8	20.0	2.53	8.98	50.6		.5 / .6	19	0	"
2840	4/1	1344 / 1409	DE VORE - KEIM		CHANNELS		8.98	47.4		.6	22	0	"
2841	4/4	1450 / 1515	DE VORE		"		8.95	44.7		.6	22	0	"
2842	4/8	1001 / 1025	DE VORE - KEIM		"		8.96	45.5		.6	22	0	"
2843	4/11	1452 / 1518	DE VORE		"		8.93	43.7		.6	23	0	"
2844	4/15	1036 / 1104	"		"		8.92	42.6		.6	23	0	"
2845	4/18	1403 / 1426	DE VORE - KEIM		"		9.00	52.8		.6	24	-.01	"
2846	4/20	1634 / 1706	DE VORE		"		9.03	55.4		.6	23	-.02	"
2847	4/22	1022 / 1101	"		"		8.97	48.1		.6	24	0	"
2848	4/25	1540 / 1607	"		"		8.93	43.6		.6	23	0	"
2849	4/29	1038 / 1108	"		"		8.91	43.0		.6	23	0	"
2850	5/2	1540 / 1614	MC BRIDE - DE VORE		"		8.88	36.3		.6	23	0	"
2851	5/6	1021 / 1050	DE VORE		"		9.01	39.2		.6	23	0	"
2852	5/9	1502 / 1530	"		"		8.99	35.1		.6	23	0	"
2853	5/11	1701 / 1726	DE VORE - KEIM		"		9.07	47.1		.6	23	0	"
2854	5/13	1329 / 1354	" "		"		9.02	37.8		.6	23	0	"
2855	6/16	1038 / 1104	DE VORE		"		9.01	37.5		.6	23	0	"
2856	5/20	1404 / 1431	"		"		9.09	51.3		.6	24	0	"
2857	5/23	1104 / 1132	"		"		9.06	47.6		.6	24	0	"
2858	5/27	1105 / 1130	DE VORE - KEIM		"		9.03	40.8		.6	24	0	"
2859	5/29	1026 / 1059	DE VORE		"		9.04	41.5		.6	24	0	"
2860	6/3	0959 / 1027	"		"		9.15	36.4		.6	24	-.01	"
2861	6/6	1541 / 1602	DE VORE - FALCONE		"		9.05	30.8		.6	22	0	"
2862	6/10	1100 / 1124	DE VORE - KEIM		"		9.13	40.1		.6	22	0	"
2863	6/13	1512 / 1537	DE VORE - LINDSAY		CHANNELS		9.06	32.8		.6	23	0	FC22
2864	6/17	0932 / 1007	DE VORE		"		9.04	31.2		.6	24	0	"
2865	6/20	1535 / 1605	"		"		8.95	26.4		.6	23	0	"
2866	6/24	0939 / 1005	"		"		8.97	28.0		.6	22	0	"
2867	6/27	1505 / 1530	"		"		8.94	24.3		.6	22	0	"
2868	7/1	1049 / 1113	"		"		8.96	25.6		.6	21	0	"
2869	7/3	1326 / 1356	"		"		8.92	23.4		.6	21	-.01	"
2870	7/9	1402 / 1426	"		"		8.88	20.9		.6	21	0	"
2871	7/11	1129 / 1154	"		"		8.91	22.5		.6	22	0	"
2872	7/15	1053 / 1118	"		"		8.91	21.4		.6	21	0	"
2873	7/18	1339 / 1404	"		"		8.89	19.2		.6	22	0	"
2874	7/22	1317 / 1343	"		"		8.88	19.0		.6	22	0	"
2875	7/25	1506 / 1531	DE VORE - BROWN		"		8.87	16.8		.6	22	-.01	"
2876	7/29	0921 / 0946	DE VORE		"		8.90	18.1		.6	22	0	"
2877	8/1	1524 / 1550	"		"		8.85	15.3		.6	22	-.01	"
2878	8/5	1445 / 1505	SJOSTEDT		"		8.85	18.5		.5 / .6	16	0	"
2879	8/8	1510 / 1530	"		"		8.83	15.2		.5 / .6	19	0	"
2880	8/12	1331 / 1352	DE VORE - KEIM		"		8.84	15.1		.6	20	-.01	"
2881	8/15	1513 / 1536	DE VORE		"		8.83	14.0		.6	21	-.01	"
2882	8/19	1344 / 1408	"		"		8.83	14.6		.6	21	-.01	"
2883	8/22	1611 / 1636	"		"		8.82	13.8		.6	21	0	"
2884	8/26	1331 / 1346	DE VORE - KEIM	12.2	10.7	1.30	8.84	13.9		.6	13	0	"
2885	8/29	1516 / 1532	DE VORE	12.8	10.8	1.25	8.84	13.5		.6	13	0	"
2886	9/5	1548 / 1605	SARASUA - DE VORE	13.0	10.2	1.18	8.83	12.0		.6	14	0	"
2887	9/12	1454 / 1510	DE VORE	13.5	10.3	1.34	8.85	13.8		.6	14	0	"
2888	9/16	0950 / 1007	"	13.7	10.6	1.36	8.86	14.4		.6	14	0	"
2889	9/19	1457 / 1515	"	13.8	10.7	1.37	8.86	14.7		.6	15	0	"
2890	9/23	1500 / 1515	SJOSTEDT	13.0	10.2	1.20	8.83	12.3		.5 / .6	12	0	"
2891	9/26	1525 / 1540	"	11.5	9.87	1.20	8.83	11.9		.6	11	0	"
2892	9/30	1345 / 1401	DE VORE	13.5	10.2	1.23	8.83	12.5		.6	13	0	"

760T4M C-b 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F48-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	14	14	17	17	75	38	32	54	48	25	17	13
2	14	14	18	17	65	37	31	51	45	28	17	f 12
3	14	14	17	17	62	36	29	49	42	29	18	c 12
4	14	14	18	17	58	34	29	48	41	28	17	f 13
5	14	14	18	16	55	34	27	48	39	25	16	12
6	14	13	18	16	54	34	27	48	39	24	16	12
7	14	12	18	16	52	35	25	46	38	23	16	12
8	13	13	17	15	51	34	24	44	37	24	f 15	12
9	14	13	17	15	49	33	24	83	37	22	f 15	11
10	14	13	17	15	48	33	25	86	36	21	15	11
11	14	13	16	15	46	33	26	85	37	21	15	11
12	14	14	16	15	46	34	40	86	36	22	f 14	11
13	13	14	16	15	45	34	50	83	35	22	f 13	11
14	13	21	16	15	44	34	39	77	36	21	13	11
15	14	18	16	15	44	33	37	74	37	20	13	11
16	14	17	16	15	44	33	39	72	36	20	14	11
17	14	17	16	15	44	32	44	70	36	19	14	11
18	14	16	16	15	42	31	48	68	35	19	15	11
19	14	16	16	15	39	32	48	66	34	18	14	11
20	14	15	16	15	38	31	49	63	34	18	13	12
21	14	22	15	15	37	31	51	62	34	18	13	12
22	15	20	15	15	35	31	49	60	33	18	12	11
23	14	19	16	15	48	31	48	58	32	18	12	11
24	14	18	16	15	57	30	45	60	31	18	12	11
25	14	18	16	24	46	29	42	58	29	19	12	11
26	14	17	16	422	44	30	58	55	27	19	13	11
27	14	16	17	476	41	29	66	55	25	19	13	11
28	14	16	17	189	39	30	60	52	24	18	15	11
29	13	16	17	111	39	30	55	52	24	18	15	11
30	13	16	17	97		28	55	51	25	17	15	11
31	14		17	86		29		49		17	14	
	4300	4730	5140	1387.0	1776.0	1003.0	1222.0	1913.0	1042.0	648.0	446.0	342.0
MEAN	13.9	15.8	16.6	57.3	47.8	32.4	40.7	61.7	34.7	20.9	14.4	11.4
ACRE-FEET	853.	938.	1020.	3520.	2570.	1990.	2424.	3790.	2070.	1290.	885.	678.

Remarks:

YEAR OR PERIOD MEAN 30.6
ACRE-FEET 22,210.

FORM 6M 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

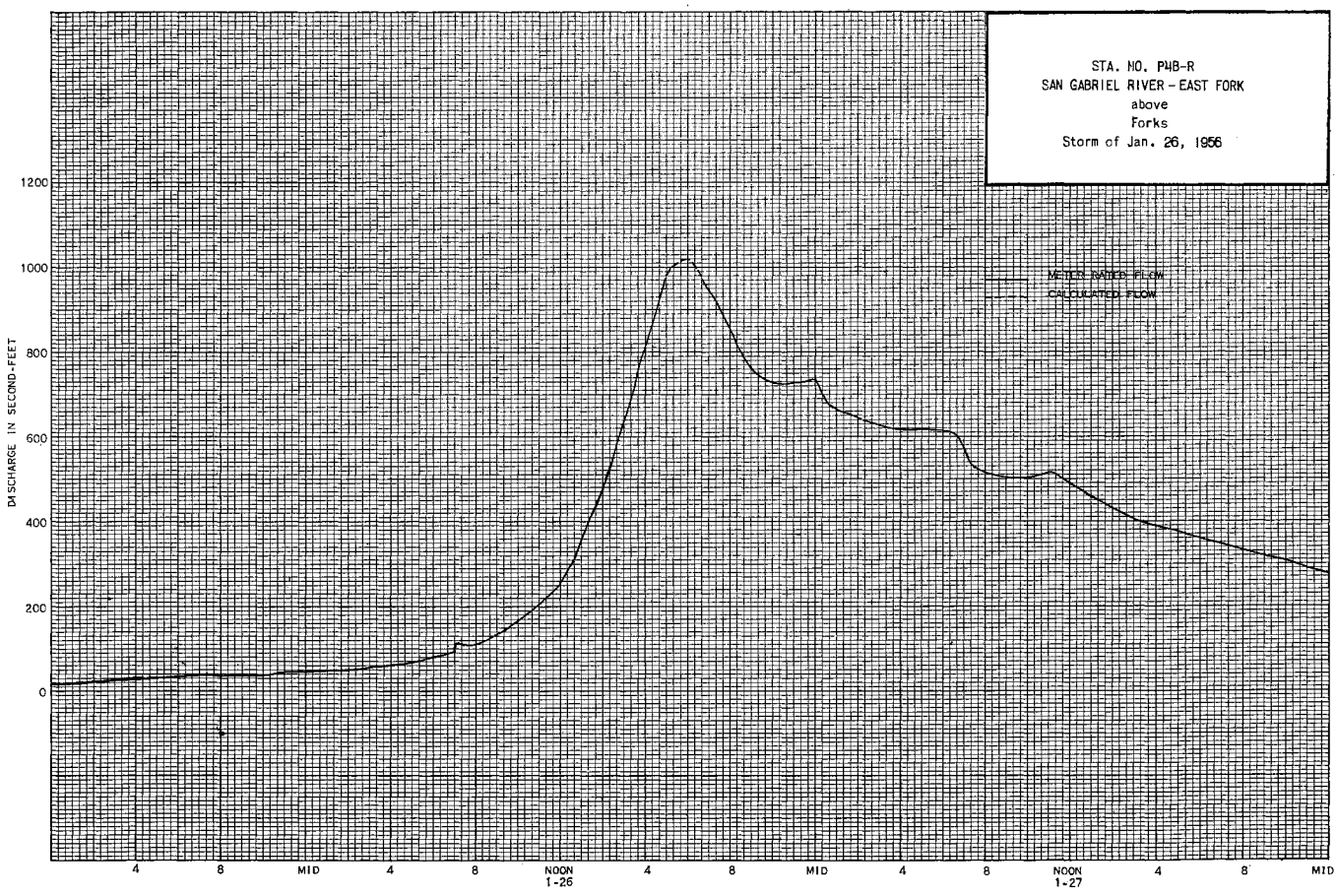
Sta. No. PWB-R

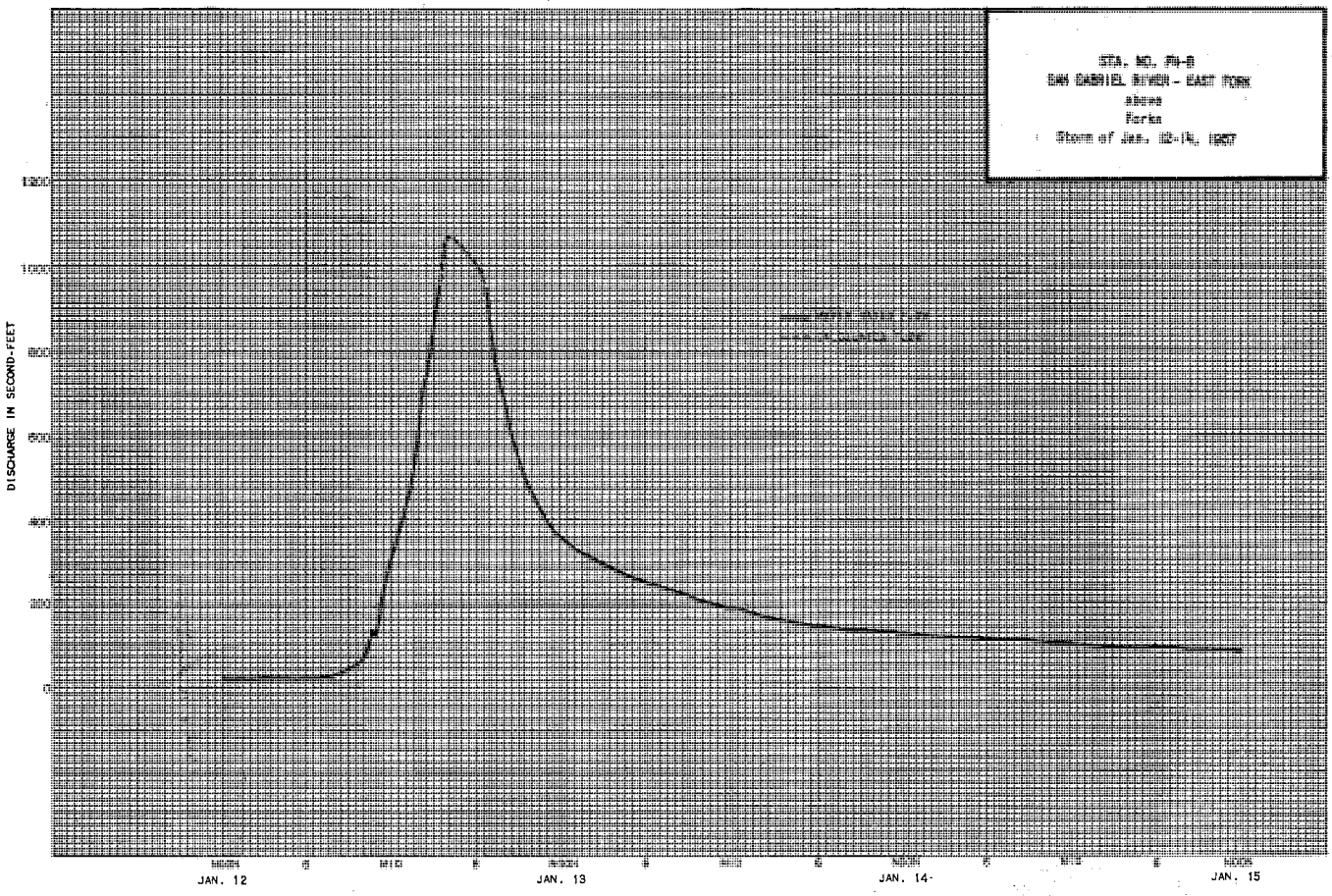
Daily discharge, in second-feet of SAN GABRIEL RIVER - EAST FORK above Forks, for the year ending September 30, 19 57

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	11	14	12	13	37	108	f 47	38	36	24	16	13
2	12	13	13	13	38	97	a 46	36	35	24	16	13
3	12	13	13	13	40	93	a 45	36	35	24	19	12
4	13	14	13	14	40	87	f 45	36	33	23	19	12
5	15	14	16	23	40	87	45	38	32	22	20	11
6	15	13	18	18	39	87	45	38	32	21	20	11
7	14	13	16	18	39	85	46	38	33	20	19	10
8	14	13	16	21	48	83	45	37	34	20	16	11
9	13	13	15	18	91	8	44	35	35	20	17	12
10	12	13	15	34	93	78	44	37	39	20	16	13
11	13	13	15	26	93	74	44	47	35	20	15	13
12	13	13	15	39	84	72	44	43	32	20	15	13
13	13	13	15	479	79	70	43	38	32	20	14	13
14	13	13	15	134	75	69	42	38	33	20	14	13
15	13	13	14	84	72	66	42	39	33	19	14	13
16	13	13	14	70	70	72	42	37	30	19	14	13
17	13	13	14	56	66	67	44	36	28	19	15	13
18	12	13	15	52	63	64	57	37	27	19	15	15
19	12	13	14	47	62	62	49	54	27	19	15	15
20	12	13	14	46	60	59	50	51	28	18	16	15
21	12	13	14	43	58	58	50	49	28	17	16	13
22	13	13	15	40	56	57	48	48	28	17	16	12
23	13	13	15	38	128	55	47	47	27	18	15	12
24	14	13	14	39	89	55	45	45	27	17	14	12
25	14	13	14	37	85	54	44	42	27	16	13	11
26	13	13	13	46	85	52	43	40	25	16	13	11
27	13	13	14	41	81	51	43	40	24	16	13	12
28	15	12	14	39	93	51	42	40	24	16	13	13
29	16	12	13	40		50	42	40	25	16	13	13
30	15	12	13	39		49	39	39	24	15	115	12
31	14		13	38		48		38		16	14	
	410	390	444	1658	1904	2146	1352	1237	908	591	480	375
MEAN	13.2	13.0	14.3	53.5	68.0	69.2	45.1	40.5	30.3	19.1	15.5	12.5
ACRE-FEET	813.	774.	881.	3290.	3780.	4260.	2680.	2490.	1800.	1170.	952.	744.

Remarks:

YEAR OR PERIOD MEAN 32.6
ACRE-FEET 23,630.





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: INSTALLED FEBRUARY 14, 1935 OVER A 24-INCH CORRUGATED IRON PIPE STILLING WELL. AN AU CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1955 TO SEPTEMBER 30, 1957.

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, 1957.

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.

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

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).

FADT4M Cb 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, 19 56

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	54	56	20	25	85	60	35	42	55	55	55	59
2	54	41	19.8	25	86	60	35	42	55	55	55	59
3	55	40	19.9	25	86	60	35	42	55	55	55	59
4	55	40	20	25	85	59	35	42	55	55	55	60
5	55	40	20	25	85	53	35	42	55	55	55	60
6	55	40	20	25	85	49	35	42	55	56	55	60
7	55	40	20	25	86	49	35	43	55	56	54	60
8	65	40	20	25	86	49	35	42	55	56	58	60
9	70	40	20	25	86	34	35	42	55	55	61	60
10	70	40	20	25	85	50	35	42	55	55	61	59
11	70	40	20	25	69	50	35	42	55	55	61	59
12	70	40	20	25	60	50	35	42	55	55	61	60
13	70	40	20	25	60	50	35	42	55	55	61	60
14	70	40	20	25	60	50	35	42	55	55	61	60
15	70	40	14.7	25	60	50	35	42	55	55	61	61
16	70	40	27	25	60	39	35	50	54	55	61	60
17	70	40	23	25	60	34	35	55	55	55	61	60
18	70	40	a 19.8	25	60	35	35	56	55	55	61	60
19	70	40	19.8	25	60	35	39	55	54	55	61	60
20	70	40	19.8	25	60	29	42	55	55	55	61	60
21	70	40	17.4	25	60	35	42	55	55	55	60	60
22	71	40	15.0	25	60	35	42	55	55	55	60	60
23	71	40	15.0	25	60	35	41	55	55	55	60	60
24	70	40	15.0	25	60	35	41	55	55	55	60	60
25	70	40	15.0	25	60	35	42	55	55	55	60	60
26	70	40	15.0	63	60	35	42	55	55	54	60	60
27	70	40	22	84	60	35	42	55	55	55	60	60
28	70	40	25	81	60	35	42	55	55	55	60	60
29	70	40	25	81	60	35	42	55	55	55	60	60
30	70	30	25	82		35	42	55	55	55	59	60
31	70		25	84		35		55		55	59	
	2060.0		6182.		2004.0		1129.0		1648.0		1832.0	
		1207.0		1100.0		1330.0		1507.0		1707.0		1796.0
MEAN	66.6	40.2	19.9	35.5	69.1	42.9	37.6	48.6	54.9	55.1	59.1	59.9
ACRE-FEET	4090.	2390.	1230.	2180.	3970.	2640.	2240.	2990.	3270.	3390.	3630.	3560.

Remarks:

YEAR OR PERIOD MEAN 49.0
ACRE-FEET 35,580.

FADT4M Cb 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, 19 57

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	21	0	16.8	17.3	64	85	50	40	30	30	30	40
2	0.6	0	16.8	17.3	70	85	50	40	30	30	37	40
3	0.3	0	17.1	17.3	70	85	50	40	30	30	40	40
4	0.4	0	17.3	17.0	f 70	84	50	40	30	30	40	40
5	0.5	0	17.3	16.8	f 70	84	50	40	30	30	40	40
6	0.5	0	17.3	16.8	70	84	50	40	30	30	40	40
7	0.5	0	17.3	16.8	70	84	50	40	30	30	40	40
8	0.5	0	17.3	16.8	70	84	50	40	30	30	40	39
9	0.5	0	17.3	19.3	70	84	50	40	30	30	40	39
10	0.5	0	17.3	23	70	84	43	36	30	30	40	40
11	0.5	0	15.9	25	70	84	40	30	30	30	40	40
12	0.5	11.5	15.8	28	70	84	40	30	30	30	40	40
13	0.4	17.3	17.3	60	70	84	39	30	30	30	40	40
14	0.4	17.3	17.3	84	a 70	84	40	30	30	30	40	40
15	0.5	17.4	17.3	86	a 70	84	40	30	30	30	40	41
16	0.5	16.7	17.3	86	70	84	40	30	30	30	40	41
17	+	16.8	17.3	86	70	84	40	30	30	30	40	41
18		16.8	17.3	74	70	84	40	30	30	30	40	41
19		16.8	17.3	60	70	84	40	30	30	30	40	40
20		16.8	17.3	60	70	84	40	30	30	30	40	39
21		16.8	17.3	60	70	83	40	30	30	30	40	39
22		16.8	17.3	60	70	84	40	30	30	30	40	39
23		16.8	17.3	60	70	84	40	30	30	30	40	40
24		16.8	17.3	60	70	84	40	30	30	30	40	40
25		16.8	17.3	60	70	84	40	30	30	30	40	40
26		16.8	17.3	60	76	84	40	30	30	30	40	40
27		16.8	17.3	60	84	84	40	30	30	30	40	40
28		16.8	17.3	60	84	84	40	30	30	30	40	40
29		16.8	17.3	60		68	40	30	30	30	40	40
30	+	16.8	17.3	60		50	40	30	30	30	40	40
31			17.3	60		50		30		30	40	
	281		5322		1988		1292		900		1227	
		315.4		1487.4		2522		1026		930		1199
MEAN	0.91	10.5	17.2	48.0	71.0	81.4	43.1	33.1	30.0	30.0	39.6	40.0
ACRE-FEET	56.	626.	1060	2950.	3940.	5000.	2560.	2040.	1790.	1840.	2430.	2380.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 36.7
ACRE-FEET 26,670.

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 MI. BELOW SAN GABRIEL DAM AND 2 MI. ABOVE MORRIS DAM. ELEVATION OF GAGE ABOUT 1200 FT.

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: INSTALLED FEBRUARY 26, 1933 OVER A 21-INCH DIAMETER CORRUGATED IRON PIPE STILLING WELL, AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1955 TO SEPTEMBER 30, 1957.

RECORDS AVAILABLE: FEBRUARY 26, 1933 TO SEPTEMBER 30, 1957. (SEE RECORDER) (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.

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

REMARKS: THIS RECORD REFLECTS FLOW DIVERTED TO THE AZUSA CONDUIT FROM SAN GABRIEL DAM.

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.	G. HT. CHANGE TOTAL	METER NO.
783	10/7	0921 / 0940	DE VORE	4.6	14.0	3.91	3.05	54.8		2 / 85	11	0	FC22
784	10/14	0916 / 0936	"	4.6	17.1	4.10	3.74	70.2		2 / 85	11	0	"
785	10/21	0926 / 0947	"	4.6	17.4	4.03	3.79	70.2		2 / 85	11	0	"
786	10/28	0922 / 0940	"	4.6	17.2	4.07	3.76	70.0		2 / 85	11	0	"
787	11/4	0924 / 0942	"	4.6	11.2	3.62	2.46	40.6		2 / 85	11	0	"
788	11/18	0930 / 0950	"	4.6	11.3	3.52	2.48	39.8		2 / 85	11	0	"
789	11/25	0915 / 0934	"	4.6	11.5	3.52	2.52	40.5		2 / 85	11	0	"
790	12/2	0939 / 0959	"	4.6	6.73	2.96	1.48	19.9		2 / 85	11	0	"
791	12/9	0931 / 0950	"	4.6	6.84	2.95	1.51	20.2		2 / 85	11	0	"
792	12/16	0937 / 0957	"	4.6	9.36	3.28	2.05	30.7		2 / 85	11	0	"
793	12/23	0912 / 0921	"	4.6	5.55	2.72	1.23	15.1		2 / 85	11	0	"
794	12/30	0941 / 1001	"	4.6	8.12	3.13	1.79	25.4		2 / 85	11	0	"
795	1/6	0924 / 0942	"	4.6	8.02	3.10	1.76	24.9		2 / 87	11	0	"
796	1/13	0915 / 0920	"	4.6	8.09	3.10	1.78	25.1		2 / 86	11	0	"
797	1/20	0903 / 0921	"	4.6	7.92	3.09	1.74	24.5		2 / 85	11	0	"
798	1/28	0954 / 1012	"	4.6	20.2	3.94	4.40	79.6		.87	11	0	"
799	2/3	0927 / 0945	"	4.6	21.2	4.02	4.62	85.2		2 / 86	11	0	"
800	2/10	0915 / 0935	"	4.6	21.3	4.03	4.65	85.8		2 / 86	11	0	"
801	2/17	0908 / 0928	"	4.6	15.4	3.88	3.37	59.7		2 / 86	11	0	"
802	2/24	0953 / 1011	"	4.6	15.6	3.83	3.40	59.8		2 / 86	11	0	"
803	3/2	0925 / 0943	"	4.6	15.6	3.83	3.41	59.8		2 / 86	11	0	"
804	3/9	1634 / 1652	"	4.6	13.4	3.70	2.93	49.6		2 / 86	11	+.01	"
805	3/16	0912 / 0930	"	4.6	10.3	3.59	2.27	37.0		2 / 86	11	0	"
806	3/23	0927 / 0947	"	4.6	10.5	3.33	2.27	35.0		.87	11	0	"
807	4/6	0942 / 1004	"	4.6	10.3	3.38	2.26	34.8		2 / 86	11	0	"
808	4/20	1002 / 1022	"	4.6	11.8	3.54	2.58	41.8		2 / 86	11	0	"
809	5/4	0934 / 0953	"	4.6	11.9	3.55	2.61	42.3		2 / 86	11	0	"
810	5/18	0951 / 1010	DE VORE - KEIM	4.6	14.4	3.83	3.14	55.2		2 / 86	11	0	"
811	6/1	0954 / 1012	DE VORE - SJOSTEDT	4.6	14.2	3.86	3.11	54.8		2 / 86	11	0	"
812	6/15	0941 / 1002	DE VORE	4.6	14.2	3.87	3.11	54.9		2 / 86	11	0	FC18
813	6/29	0930 / 0950	"	4.6	14.3	3.87	3.13	55.4		2 / 86	11	0	FC22
814	7/6	0926 / 0944	"	4.6	14.5	3.83	3.16	55.5		2 / 86	11	0	"
815	7/20	0930 / 0949	"	4.6	14.2	3.86	3.10	54.7		2 / 86	11	0	"
816	8/3	0955 / 1015	DE VORE - SJOSTEDT	4.6	14.2	3.86	3.10	54.8		2 / 86	11	0	"
817	8/17	1125 / 1148	SJOSTEDT	4.6	15.3	3.92	3.33	60.0		2 / 86	11	0	"
818	8/31	1003 / 1021	DE VORE	4.6	15.0	4.01	3.28	60.1		2 / 86	11	0	"
819	9/7	1009 / 1028	"	4.8	15.0	4.01	3.28	60.2		2 / 86	11	0	"
820	9/21	1041 / 1100	"	4.6	14.9	4.02	3.26	59.9		2 / 86	11	0	"

DISCHARGE MEASUREMENTS OF SAN GABRIEL - AZUSA CONDUIT

AT NEAR Garcia 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.	G. HT. CHANGE TOTAL	METER NO.
821	11/16	0920 / 0939	DE VORE	4.6	5.38	2.81	1.19	15.1		2 / 8	11	0	FC22
822	11/30	0926 / 0946	"	4.6	5.62	2.94	1.24	16.5		2 / 8	11	0	"
823	12/7	0925 / 0943	"	4.6	5.76	2.97	1.27	17.1		2 / 8	11	0	"
824	12/14	1011 / 1029	"	4.6	5.76	2.97	1.27	17.1		2 / 8	11	0	"
825	12/21	1036 / 1054	"	4.6	5.85	2.96	1.30	17.3		2 / 8	11	0	"
826	12/29	0940 / 0958	"	4.6	5.89	2.97	1.31	17.5		2 / 8	11	0	"
827	1/3	1032 / 1048	"	4.6	5.99	2.90	1.32	17.4		2 / 8	11	0	"
828	1/11	0934 / 0953	"	4.6	7.35	3.18	1.59	23.4		2 / 8	11	0	"
829	1/18	0934 / 0953	"	4.6	20.4	4.20	4.43	85.7		2 / 8	11	+.01	"
830	1/25	0913 / 0932	"	4.6	14.8	4.06	3.21	60.1		2 / 8	11	0	"
831	2/1	0936 / 0955	"	4.6	14.6	4.08	3.17	59.6		2 / 8	11	-.01	"
832	2/8	0929 / 0947	"	4.6	16.6	4.22	3.59	70.0		2 / 8	11	0	"
833	2/15	0920 / 0938	"	4.6	16.6	4.20	3.59	69.7		2 / 85	11	0	"
834	3/1	0956 / 1016	"	4.6	19.9	4.26	4.33	84.7		2 / 8	11	.01	"
835	3/8	0929 / 0947	"	4.6	19.7	4.26	4.29	84.0		2 / 85	11	0	"
836	3/15	0932 / 0950	"	4.6	19.8	4.24	4.30	89.9		2 / 85	11	0	"
837	3/22	1432 / 1447	"	4.6	19.8	4.23	4.31	83.7		2 / 85	11	0	"
838	3/29	0929 / 0947	"	4.6	19.9	4.21	4.33	83.8		2 / 85	11	0	"
839	4/5	1014 / 1031	"	4.6	12.7	3.94	2.77	50.0		2 / 85	11	0	"
840	4/19	0936 / 0954	"	4.6	10.8	3.69	2.34	39.9		2 / 28	11	0	"
841	5/3	0939 / 0957	"	4.6	11.0	3.64	2.38	40.0		2 / 85	11	0	"
842	5/17	0920 / 0940	"	4.6	8.70	3.41	1.89	29.7		2 / 85	11	0	"
843	5/31	0934 / 0952	"	4.6	8.70	3.43	1.89	29.8		2 / 85	11	0	"
844	6/7	0925 / 0944	"	4.6	8.75	3.44	1.90	30.1		2 / 85	11	0	"
845	6/21	0915 / 0933	"	4.6	8.70	3.47	1.89	30.2		2 / 85	11	0	"
846	7/5	0918 / 0936	"	4.6	8.65	3.47	1.88	30.0		2 / 85	11	0	"
847	7/19	0919 / 0937	"	4.6	8.65	3.53	1.88	30.4		2 / 85	11	0	"
848	8/2	0923 / 0941	"	4.6	10.9	3.67	2.37	40.0		2 / 85	11	0	"
849	8/16	0914 / 0932	"	4.6	10.8	3.71	2.36	40.1		2 / 85	11	0	"
850	8/30	0914 / 0933	"	4.6	10.9	3.70	2.37	40.3		2 / 85	11	0	"
851	9/5	0910 / 0928	"	4.6	10.9	3.66	2.36	39.9		2 / 85	11	0	"
852	9/17	0914 / 0932	"	4.6	11.0	3.65	2.38	40.1		2 / 85	11	0	"

56D74M Gb 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, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	54	58	20	25	85	60	35	42	55	55	55	60
2	54	41	20	25	86	60	35	42	55	55	55	60
3	55	41	20	25	86	60	35	42	55	55	55	60
4	55	41	20	25	86	60	35	42	54	54	54	60
5	55	41	20	25	85	53	35	43	54	55	54	60
6	55	41	20	25	86	50	35	43	55	56	54	60
7	55	41	20	25	86	49	35	43	54	55	54	60
8	64	40	20	25	86	49	35	42	55	55	57	60
9	70	40	20	25	86	35	35	42	55	55	61	60
10	70	39	20	25	86	50	35	42	55	55	61	60
11	69	39	20	25	70	50	35	42	55	55	61	59
12	70	39	20	25	60	50	35	42	55	55	61	60
13	69	39	20	25	60	50	35	42	55	55	61	60
14	70	39	20	25	60	50	35	42	55	55	61	61
15	70	40	14.8	26	60	50	35	42	55	55	60	61
16	70	40	27	25	60	39	36	50	54	55	60	61
17	70	40	24	25	60	34	36	56	55	55	60	61
18	70	40	20	25	60	35	36	55	55	55	60	61
19	70	40	20	25	60	35	39	55	54	55	60	60
20	70	40	20	25	60	30	42	55	55	55	60	61
21	70	40	17.6	25	60	35	42	55	55	55	60	60
22	70	40	15.1	24	60	35	41	55	55	55	60	60
23	70	40	15.1	24	60	35	41	54	55	55	60	60
24	70	40	15.1	24	60	35	41	55	55	55	60	60
25	70	40	15.1	24	60	35	42	55	56	54	60	60
26	70	40	15.1	61	60	35	42	55	56	54	60	59
27	70	40	21	83	60	35	42	55	56	55	60	60
28	70	40	25	80	60	34	42	55	56	55	61	60
29	70	40	25	80	60	34	42	55	56	55	61	60
30	70	31	25	82		35	42	55	55	55	60	60
31	70		25	84		35		55		55	60	
	2055.0		6199		2008.0		1131.0		1650.0		1826.0	
		1210.0		1092.0		1332.0		1508.0		1703.0		1804.0
MEAN	66.3	40.3	20.0	35.2	69.2	43.0	37.7	48.6	55.0	54.9	58.9	60.1
ACRE-FEET	4080.	2400.	1230.	2170.	3980.	2640.	2240.	2990.	3270.	3380.	3620.	3580.

Remarks:

YEAR MEAN 49.0
OR
PERIOD ACRE-FEET 35,580.

56D74M Gb 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, 1957

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	22	+	16.6	17.5	63	85	50	40	30	30	30	40
2	e 0.6	0	16.6	17.5	70	85	50	40	30	30	37	40
3	0.3	0	17.0	e 17.4	70	85	50	40	30	30	40	40
4	0.4	0	17.0	e 17.0	70	84	50	40	30	30	40	40
5	0.5	0	17.0	16.8	70	84	50	40	30	30	40	40
6	0.5	0	17.0	16.8	70	84	50	40	30	30	40	40
7	0.5	0	17.0	16.8	70	84	50	40	30	30	40	40
8	0.5	0	17.0	16.8	70	84	50	40	30	30	40	39
9	0.5	0	17.0	19.5	70	84	50	40	30	30	40	39
10	0.5	0	17.0	23	70	84	44	36	30	30	40	40
11	0.5	0	15.8	25	70	84	40	30	30	30	40	40
12	0.5	10.4	15.6	28	70	84	40	30	30	30	40	40
13	0.4	16.8	17.0	58	70	84	39	30	30	30	40	40
14	0.4	17.0	17.0	84	70	84	40	30	30	30	40	40
15	0.5	17.0	17.0	86	70	84	40	30	30	30	40	40
16	e 0.5	16.5	17.0	86	70	84	40	30	30	30	40	40
17	+	16.6	17.0	86	70	84	40	30	30	30	40	40
18		16.6	17.3	75	70	84	40	30	30	30	40	40
19		16.6	17.3	60	70	84	40	30	30	30	40	39
20		16.6	17.0	60	70	83	40	30	30	30	40	39
21		16.6	17.3	60	70	83	40	30	30	30	40	39
22		16.6	17.3	60	70	84	40	30	30	30	40	39
23		16.8	17.3	60	70	84	40	30	30	30	41	40
24		16.8	17.3	60	71	84	40	30	30	30	41	40
25		16.6	17.5	60	71	84	40	30	30	30	41	40
26		16.6	17.5	60	76	84	40	30	30	30	41	40
27		16.6	17.5	60	84	84	40	30	30	30	41	40
28		16.6	17.5	60	84	84	40	30	30	30	41	40
29		16.6	17.5	60		69	40	30	30	30	40	40
30		16.6	17.5	60		50	40	30	30	30	40	40
31		+	17.5	60		50		30		30	40	
	291		5289		1987.1		1293		900		1233	
		310.5		1487.1		2522		1026		930		1194
MEAN	0.94	10.4	17.1	48.0	71.0	81.4	43.1	33.1	30.0	30.0	39.8	39.8
ACRE-FEET	58.	616.	1050.	2950.	3950.	5000.	2560.	2040.	1790.	1840.	2450.	2370.

Remarks: + = 0.05 CFS OR LESS

YEAR MEAN 36.8
OR
PERIOD ACRE-FEET 26,670.

STATION UB-R
SAN GABRIEL RIVER below Morris Dam

LOCATION: WATER-STAGE RECORDER, LAT. 34°10'11", LONG. 117°53'16", IN SW 1/4 SEC. 13, T.1N., R.10W., 1.1 MILE 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 1957.

AVERAGE DISCHARGE:
62 YEARS, 151 SECOND-FEET. AVERAGE COMBINED DISCHARGE OF RIVER AND DIVERSIONS - ADJUSTED FOR STORAGE AND EVAPORATION IN MORRIS, SAN GABRIEL AND COGSWELL RESERVOIRS.

EXTREMES OF DISCHARGE:
1955-56
MAXIMUM DISCHARGE DURING YEAR 45 SECOND-FEET SEPTEMBER 30.
MINIMUM DAILY, NO FLOW MOST OF YEAR.
1956-57
MAXIMUM DISCHARGE 656. SECOND-FEET APRIL 14.
MINIMUM NO FLOW MOST OF YEAR.
1894-1957
MAXIMUM DISCHARGE 65700 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 FAIR. 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 3 MILES ABOVE STATION. THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA DISCHARGED 463 ACRE-FEET OF COLORADO RIVER WATER INTO SAN GABRIEL RIVER BELOW MORRIS DAM AND ABOVE STATION DURING WATER YEAR 1955-56 AND 386 ACRE-FEET DURING WATER YEAR 1956-57.

COOPERATION: RECORDS FURNISHED BY THE UNITED STATES GEOLOGICAL SURVEY, WATER RESOURCES BRANCH, 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	1955-56 A.F.	1956-57 A.F.
OCTOBER	1120.	968.
NOVEMBER	1350.	995.
DECEMBER	1510.	1140.
JANUARY	8090.	6770.
FEBRUARY	4450.	6740.
MARCH	3040.	6840.
APRIL	4650.	4010.
MAY	5860.	4020.
JUNE	2780.	2490.
JULY	1620.	1310.
AUGUST	1080.	980.
SEPTEMBER	825.	875.
TOTALS	36380. A.F.	37140. A.F.

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER

~~AT~~ NEAR below Morris Dam 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.
2175	8/20		U.S.G.S.	12.2	10.6	0.28	4.80	3.01		.6	16	-.01	

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER

~~AT~~ NEAR below Morris Dam 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.	G. HT. CHANGE TOTAL	METER NO.
2176	10/2		U.S.G.S.	39.0	38.4	1.07	5.45	41.0		.6	27	0	
2177	10/10		"	38.5	40.8	0.93	5.44	37.8		.6	31	0	
2178	10/11	1430 / 1450	HOLLERON	14.3	20.1	1.82	5.44	36.7		.6	16	0	
2179	10/19		U.S.G.S.	29.0	33.8	1.07	5.45	36.2		.6	21	0	
2180	11/1		"	43.0	42.8	1.00	5.45	42.8		.6	25	0	
2181	4/12		"	84.0	127.0	1.94	6.22	246.		.5	23	+.47	
2182	4/12		"	97.0	206.0	2.33	6.95	481.		.6	27	+.13	
2183	4/13		"	97.0	242.0	2.94	7.27	711.		.6		0	
2184	4/14	1515 / 1605	HOLLERON-BROOK	99.0	232.0	2.82	7.33	654.		.6		0	
2185	4/15		U.S.G.S.	98.0	240.0	3.25	7.32	781.		.5 .6	26	0	

76D74M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U6-R

Daily discharge, in second-feet of SAN GABRIEL RIVER below Morris 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	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	8.2	0
19	0	0	0	0	0	0	0	0	0	0	8.2	0
20	0	0	0	0	0	0	0	0	0	0	4.7	0
21	0	0	0	0	0	0	0	0	0	0	0.3	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	4.1	0	0	0	0	0	0	0	0
28	0	0	0	2.1	0	0	0	0	0	0	1.2	0
29	0	0	0	0.8	0	0	0	0	0	0	3.1	1.3
30	0	0	0	0.1		0	0	0	0	0	0.2	4.3
31	0		0	0		0		0		0	0	
	0	0	0	7.1	0	0	0	0	0	0	25.9	5.6
MEAN	0	0	0	0.23	0	0	0	0	0	0	0.84	1.9
ACRE-FEET	0	0	0	14.	0	0	0	0	0	0	51.	111.

Remarks:

YEAR OR PERIOD MEAN 0.24
ACRE-FEET 176.

76D74M Gb 12-53

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 57

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	45	42	0	0	0	0	2.1	0	0	0	0	0
2	43	42	0	0	0	0	0	0	0	0	0	0
3	41	42	0	0	0	0	0	0	0	0	0	2.0
4	41	41	0	0	0	0	0	0	0	0	0	0
5	41	41	0	0	0	0	0	0	0	0	0	0
6	39	41	0	0	0	0	0	0	0	0	0	0
7	38	39	0	0	0	0	0	0	0	0	0	0
8	38	39	0	0	0	0	0	0	0	0	0	0
9	38	42	0	0	0	0	0	0	0	0	0	0
10	38	45	0	0	0	0	0	0	0	0	0	0
11	38	39	0	0	0	0	0	0	0	0	0	0
12	38	33	0	0	0	0	1.1	0	0	0	0.7	0
13	38	0.2	0	0	0	0	6.3	0	0	0	1.5	0
14	36	0	0	0	0	0	6.4	0	0	0	0	0
15	36	0	0	0	0	0	6.5	0	0	0	0	0
16	36	0	0	0	0	0	6.5	0	0	0	5.9	0
17	36	0	0	0	0	0	6.0	0	0	0	0	0
18	36	0	0	0	0	0	0	0	0	0	0	0
19	36	0	0	0	0	0	0	0	0	0	0	0
20	36	0	0	0	0	0	0	0	0	0	0	0
21	36	0	0	0	0	0	0	0	0	0	0	0
22	36	0	0	0	0	0	0	0	0	0	0	0
23	38	0	0	0	0	0	0	0	0	0	0	0
24	38	0	0	0	0	0	0	0	0	0	0	0
25	38	0	0	0	0	0	0	0	0	0	0	0
26	39	0	0	0	0	0	0	0	0	0	0	0
27	39	0	0	0	0	0	0	0	0	0	0	0
28	39	0	0	0	0	0	0	0	0	0	0	0
29	39	0	0	0		0	0	0	0	0	0	0
30	39	0	0	0		0	0	0	0	0	0	0
31	41		0	0		0		0		0	0	
	1190.0	465.2	0	0	0	0	2825.1	0	0	0	21.6	2.0
MEAN	38.4	16.2	0	0	0	0	94.2	0	0	0	0.70	0.67
ACRE-FEET	2360.	964.	0	0	0	0	5600.	0	0	0	43.	40.

Remarks:

YEAR OR PERIOD MEAN 12.4
ACRE-FEET 9010.

STATION S1OOA-R
SAN GABRIEL RIVER, 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, 1955 TO SEPTEMBER 30, 1957. 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 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. SEQ. NO.	G. HT. CHANGE TOTAL	METER NO.
200	10/1	0800 / 0820	HOLLERON	2	CHANNELS		0.81	26.8		.5 / .6	22	0	FC34 FC48
201	10/1	0850 / 0910	"	5.9	14.5	1.89	0.81	26.5		.2 / .8	8	0	FC34
202	10-2	1550 / 1620	"	5.8	14.6	2.34	0.94	34.2		.2 / .8	9	-.02	"
203	10-5	1005 / 1035	"	5.9	15.1	2.36	0.96	35.7		.2 / .8	9	0	"
204	10/11	1550 / 1610	"	6.0	15.4	2.38	0.98	36.7		.2 / .8	8	0	FC48
205	10-18	1620 / 1645	"	6.0	15.5	2.45	0.99	38.0		.2 / .8	9	0	FC34
206	11/1	1445 / 1505	"	5.9	15.3	2.46	0.99	37.7		.2 / .8	9	+.01	FC56
207	11/15	1140 / 1150	"	4.8	8.38	0.32	0.18	2.7		.6	7	0	FC48

76D74M C-b 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. S1OOA-R

Daily discharge, in second-feet of SAN GABRIEL, AZUSA-DUARTE TUNNEL DIVERSION at Mouth of Canyon, for the year ending September 30, 19 57

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	26	37	0	0	0	0	0	0	0	0	0	0
2	33	37	0	0	0	0	0	0	0	0	0	0
3	33	37	0	0	0	0	0	0	0	0	0	0
4	34	37	0	0	0	0	0	0	0	0	0	0
5	36	37	0	0	0	0	0	0	0	0	0	0
6	36	37	0	0	0	0	0	0	0	0	0	0
7	36	37	0	0	0	0	0	0	0	0	0	0
8	37	37	0	0	0	0	0	0	0	0	0	0
9	37	37	0	0	0	0	0	0	0	0	0	0
10	37	37	0	0	0	0	0	0	0	0	0	0
11	37	37	0	0	0	0	0	0	0	0	0	0
12	37	31	0	0	0	0	0	0	0	0	0	0
13	37	5.0	0	0	0	0	0	0	0	0	0	0
14	37	3.0	0	0	0	0	0	0	0	0	0	0
15	37	1.0	0	0	0	0	0	0	0	0	0	0
16	37	1.0	0	0	0	0	0	0	0	0	0	0
17	37	0	0	0	0	0	0	0	0	0	0	0
18	37	0	0	0	0	0	0	0	0	0	0	0
19	37	0	0	0	0	0	0	0	0	0	0	0
20	37	0	0	0	0	0	0	0	0	0	0	0
21	37	0	0	0	0	0	0	0	0	0	0	0
22	37	0	0	0	0	0	0	0	0	0	0	0
23	37	0	0	0	0	0	0	0	0	0	0	0
24	37	0	0	0	0	0	0	0	0	0	0	0
25	37	0	0	0	0	0	0	0	0	0	0	0
26	37	0	0	0	0	0	0	0	0	0	0	0
27	37	0	0	0	0	0	0	0	0	0	0	0
28	38	0	0	0	0	0	0	0	0	0	0	0
29	37	0	0	0		0	0	0	0	0	0	0
30	37	0	0	0		0	0	0	0	0	0	0
31	37		0	0		0		0		0	0	
	1123	448.0	0	0	0	0	0	0	0	0	0	0
MEAN	36.2	14.9	0	0	0	0	0	0	0	0	0	0
ACRE-FEET	2227.	889.	0	0	0	0	0	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 4.29
ACRE-FEET 3116.

STATION F190-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 2 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: INSTALLED APRIL 25, 1932, REMOVED ON APRIL 20, 1938 AND INSTALLED IN A 30-INCH DIAMETER CORRUGATED IRON PIPE SERVING BOTH AS A HOUSE AND AS A WELL. AN AU CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1955 TO SEPTEMBER 30, 1957. AN AUXILIARY STILLING WELL IS MAINTAINED ON THE WEST SIDE OF THE CHANNEL.

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, 1957. (FOR RECORDS PRIOR TO FEBRUARY 22, 1932, SEE DIVISION OF WATER RIGHTS BULLETINS.)

EXTREMES OF DISCHARGE:

1955-56
MAXIMUM 800 SECOND-FEET JANUARY 26.
MINIMUM NO FLOW MOST OF YEAR.

1956-57
MAXIMUM 585 SECOND-FEET APRIL 17.
MINIMUM NO FLOW MOST OF YEAR.

1932-57
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, 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.
605	1/26	1420 / 1455	STUNDEN-PHENIX		CHANNELS		2.48	448.		.6		+.02	FC36
606	1/31	1110 / 1116	" "	23.0	11.1	1.95	1.61	21.7		.6	12	0	"
607	2/9	0830 / 0843	STUNDEN		CHANNELS		1.48	8.0		.5 / .6	12	0	"
608	2/16	0920 / 0935	SADDORIS	12.5	5.16	1.08	1.39	5.6		.5	7	0	FC23
609	2/23	0800 / 0815	STUNDEN	16.0	6.10	0.59	1.38	3.6		.5	9	0	FC36
610	3/1	0905 / 0915	"	9.5	3.44	1.16	1.38	4.0		.5	9	0	FC50
611	3/8	0745 / 0755	"		CHANNELS		1.37	3.3		.5	8	0	"
612	3/15	1100 / 1115	"	6.4	2.34	0.73	1.33	1.7		.5	9	0	"

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER

~~AT~~ ~~NEAR~~ Foothill Boulevard 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.	G. HT. CHANGE TOTAL	METER NO.
613	1/13	0946 / 1000	HOLLERON-HENSLEY		CHANNELS		1.66	33.1		.5 / .6	14	-.01	FC34
614	1/17	1430 / 1450	HOLLERON		"		1.50	11.2		.5 / .6	19	0	FC48
615	1/24	1310 / 1330	HOLLERON-HENSLEY	16.0	5.61	1.43	1.38	8.0		.5 / .6	10	0	FC34
616	1/26	1205 / 1225	" "	17.0	5.82	0.65	1.36	3.8		.5	12	0	FC48
617	2/23	1055 / 1117	HOLLERON-BROOK		CHANNELS		1.71	40.8		.6	21	0	FC34
618	2/26	1150 / 1200	HOLLERON	4.1	1.39	0.94	1.30	1.3		.5	7	0	FC56
619	3/6	1410 / 1420	"		CHANNELS		1.41	4.6		.6	9	0	FC34
620	3/14	0905 / 0921	WOOD-HOLLERON	5.8	3.03	1.88	1.43	5.7		.6	12	0	"
621	3/16	0955 / 1011	HOLLERON-HENSLEY	7.3	3.95	2.00	1.47	7.9		.6	16	0	"
622	3/21	1455 / 1510	HOLLERON	7.4	4.27	2.37	1.49	10.1		.6	10	0	"
623	3/28	1412 / 1424	"	7.2	3.49	1.38	1.42	4.8		.6	9	0	FC56
624	4/4	1340 / 1354	"	4.5	1.47	0.68	1.30	1.0		.5	10	0	FC48
625	4/13	0805 / 0900	HOLLERON-BROOK	169.5	139.	3.67	2.50	510.		.6	36	0	FC56
626	4/13	0922 / 1024	BROOK-HOLLERON	171.0	140.	3.70	2.50	519.		.6	36	0	"
627	4/14	1145 / 1235	HOLLERON-BROOK	167.0	149.	3.57	2.54	532.		.6	33	+.02	"
628	4/15	0833 / 0923	" "	170.0	153.	3.66	2.56	559.		.6	36	0	"
629	4/17	1250 / 1306	HOLLERON		CHANNELS		1.47	8.6		.5 / .6	13	-.01	"

FSDT4M C/b 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, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	22	3.8	0	0	0			
2	0	0	0	0	22	3.8	0	0	0			
3	0	0	0	0	22	3.8	0	0	0			
4	0	0	0	0	22	3.8	0	0	0			
5	0	0	0	0	20	3.8	0	0	0			
6	0	0	0	0	18	3.5	0	0	0			
7	0	0	0	0	11	3.5	0	0	0			
8	0	0	0	0	8.1	3.1	0	0	0			
9	0	0	0	0	8.1	2.1	0	+	0			
10	0	0	0	0	8.1	2.2	0	0	0			
11	0	0	0	0	5.8	2.7	0	0	0			
12	0	0	0	0	5.3	2.2	+	0	0			
13	0	0	0	0	5.3	2.2	0.3	0	0			
14	0	0	0	0	5.3	2.2	0.2	0	0			
15	0	0	0	0	5.3	1.9	0	0	0			
16	0	0	0	0	5.3	1.2	0	0	0			
17	0	0	0	0	5.3	0.5	0	0	0			
18	0	0	0	0	4.6	+	0	0	0			
19	0	0	0	0	4.6	+	0	0	0			
20	0	0	0	0	3.8	+	0	0	0			
21	0	0	0	0	3.8	0.2	0	0	0			
22	0	0	0	0	3.5	0.2	0	0	0			
23	0	0	0	0	3.9	0.1	0	0	0			
24	0	0	0	0	3.8	0	0	0	0			
25	0	0	0	0	3.8	0	0	0	0			
26	0	0	0	215	3.8	0	0	0				
27	0	0	0	113	3.8	0	0	0				
28	0	0	0	32	3.8	0	0	0				
29	0	0	0	24	3.8	0	0	0				
30	0	0	0	22		0	0	0				
31	0		0	22		0		0				
	0	0	0	428.0	245.9	46.8	0.3	+	0	0	0	0
MEAN	0	0	0	13.8	8.48	1.51	0.01	+	0	0	0	0
ACRE-FEET	0	0	0	849.	488.	93.	0.6	+	0	0	0	0

RECORDER STOPPED FOR SUMMER 6/21/56

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 1.97
ACRE-FEET 1430.

FSDT4M C/b 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F190-R

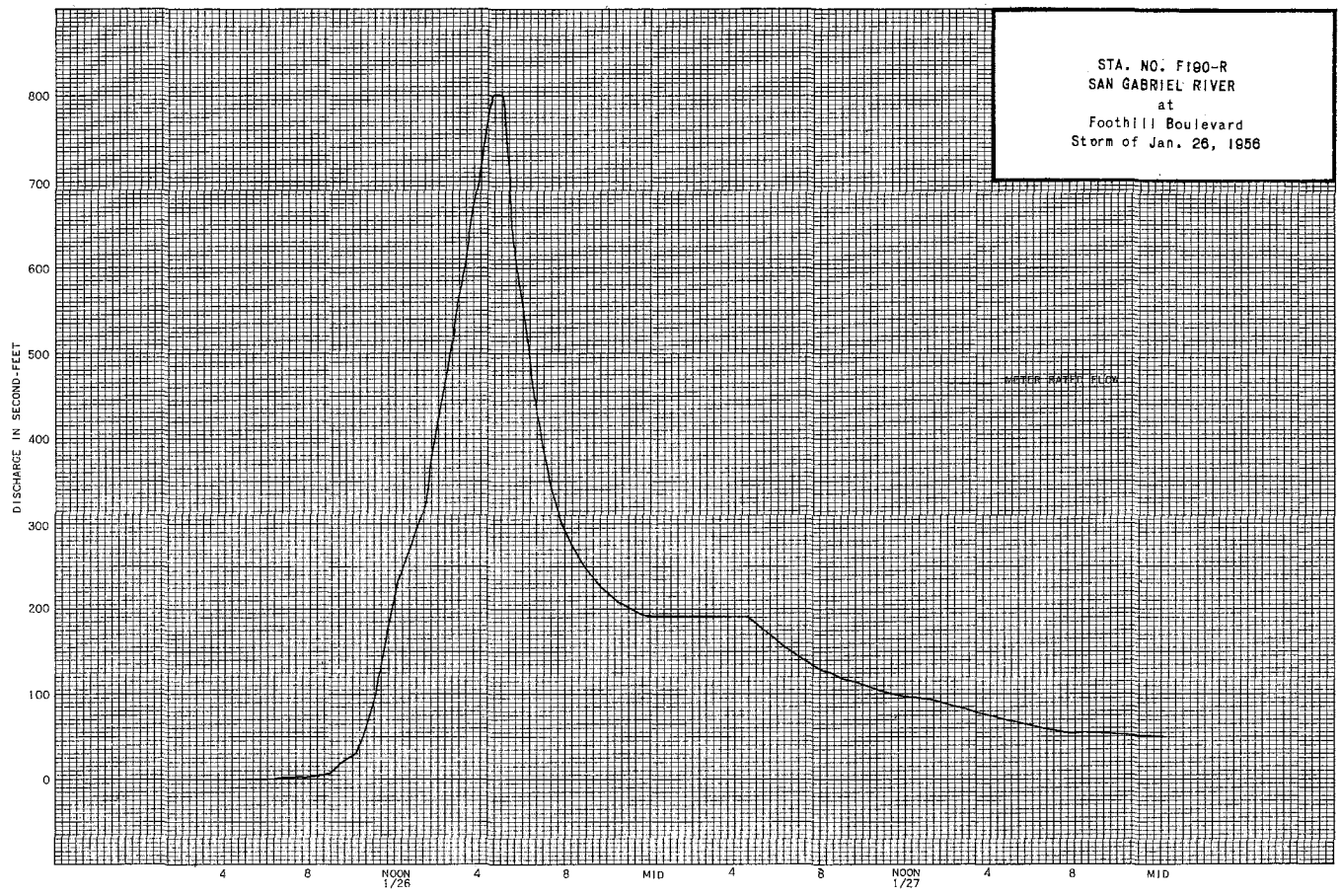
Daily discharge, in second-feet of SAN GABRIEL RIVER at Foothill Boulevard, for the year ending September 30, 1957

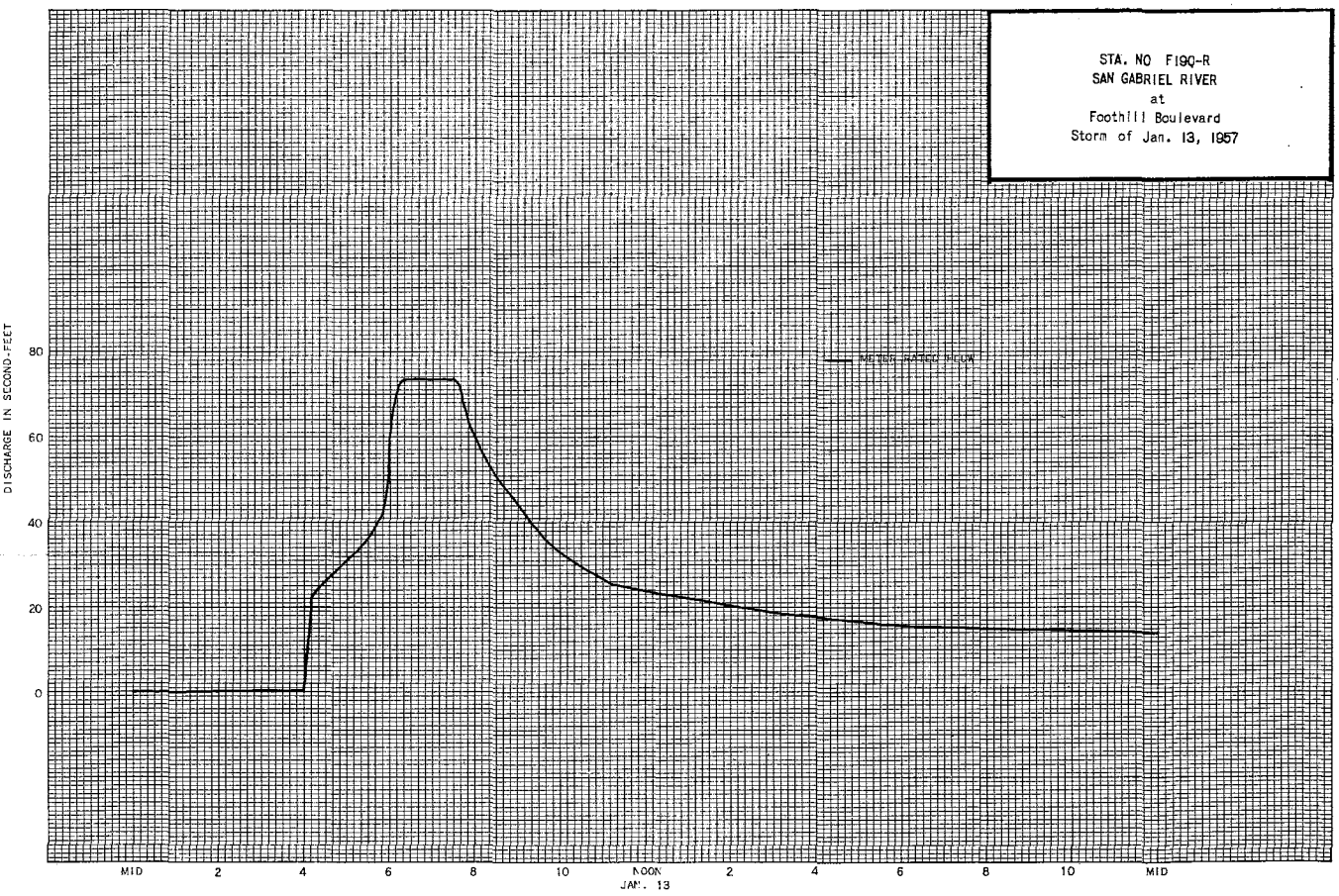
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	b 0.2	6.0	1.9	0	0			
2	0	0	0	0	0.2	5.3	1.6	0	0			
3	0	0	0	0	0.2	5.3	1.2	0	0			
4	0	0	0	0	0.2	4.6	0.7	0	0			
5	0	0	0	0	0.2	4.6	0.7	0	0			
6	0	0	0	0	0.2	4.6	0.5	0	0			
7	0	0	0	0	b 0.2	4.2	0.4	0	0			
8	0	0	0	0	+	4.6	0.3	0	0			
9	0	0	0	0	b 0.2	5.3	0.2	0	0			
10	0	0	0	0	0.2	5.3	0.1	0	0			
11	0	0	0	0	0.2	5.3	+	0	0			
12	0	0	0	0	b 0.1	5.3	4.0	0	0			
13	0	0	0	23	+	5.3	5.10	0	0	RECORDER STOPPED		
14	0	0	0	b 13		6.0	5.37	0	0			
15	0	0	0	12		6.0	5.61	0	0			
16	0	0	0	11		7.4	5.73	0	0			
17	0	0	0	10		7.4	1.12	0	0			
18	0	0	0	8.8		7.4	0.6	0				
19	0	0	0	2.8	+	7.4	+	0				
20	0	0	0	4.6	0.1	10	0	0				
21	0	0	0	4.6	0.1	10	0	0				
22	0	0	0	6.0	0.1	10	0	0				
23	0	0	0	9.5	13	8.8	0	0				
24	0	0	0	8.1	1.6	6.7	0	0				
25	0	0	0	5.3	0.7	6.0	0	0				
26	0	0	0	3.8	1.2	6.0	0	0				
27	0	0	0	3.5	3.1	5.3	0	0				
28	0	0	0	3.1	4.9	4.6	0	0				
29	0	0	0	2.7		4.2	0	0				
30	0	0	0	1.1		2.2	0	0				
31	0		0	v 0.1		1.9		0				
	0	0	0	133.0	27.0	183.0	23.40.0	0	0	0	0	0
MEAN	0	0	0	4.29	0.96	5.90	78.	0	0	0	0	0
ACRE-FEET	0	0	0	264.	54.	363.	4640.	0	0	0	0	0

RECORDER STOPPED FOR SEASON

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 7.35
ACRE-FEET 5320.


STA. NO. F190-R
SAN GABRIEL RIVER
at
Foothill Boulevard
Storm of Jan. 26, 1956
METER RATED FLOW
DISCHARGE IN SECOND-FEET
0
100
200
300
400
500
600
700
800
4
8
NOON
1/26
4
8
MID
4
8
NOON
1/27
4
8
MID


STA. NO F190-R
SAN GABRIEL RIVER
at
Foothill Boulevard
Storm of Jan. 13, 1957
METER RATED FLOW
DISCHARGE IN SECOND-FEET
0
20
40
60
80
MID
2
4
6
8
10
NOON
JAN. 13
2
4
6
8
10
MID

STATION E281-R
SAN GABRIEL RIVER below Santa Fe Dam

LOCATION: 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 5 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 MAOE ON LIP OF BASIN BELOW GAGE HEIGHT 2.5 FEET. HIGH FLOW MEASUREMENTS MAY BE MADE FROM CABLE CAR 1000 FEET BELOW GAGE.

RECORDER: INSTALLED FEBRUARY 9, 1943, OVER A 6 FT. X 5 FT. CONCRETE STILLING WELL. A STEVENS A-35 RECORDER WAS IN SERVICE FROM OCTOBER 1, 1953 TO SEPTEMBER 30, 1957.

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, 1957. 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:

1955-56
NO FLOW DURING YEAR.

1956-57
NO FLOW DURING YEAR.

1942-57
MAXIMUM 6700 SECOND-FEET 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.

STATION F191B-R
SAN GABRIEL RIVER below Garvey Avenue

LOCATION: WATER-STAGE RECORDER, LAT. 34°03'48", LONG. 118°00'18", ON THE RIGHT (WEST) BANK ABOUT 250 FEET BELOW GARVEY AVENUE BRIDGE. ELEVATION OF ZERO GAGE HEIGHT APPROXIMATELY 288.0 FEET.

DRAINAGE AREA: 7.19 SQUARE MILES.

CHANNEL AND CONTROL: SAND AND GRAVEL, SUBJECT TO CUT AND FILL. NO ARTIFICIAL CONTROL.

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

RECORDER: INSTALLED ON OCTOBER 17, 1951 OVER AN 18-INCH DIAMETER CORRUGATED IRON PIPE STILLING WELL. AN H.C.F. RECORDER WAS IN SERVICE FROM OCTOBER 1, 1955 TO SEPTEMBER 30, 1957.

RECORDS AVAILABLE: OCTOBER 17, 1951 TO SEPTEMBER 30, 1957.

EXTREMES OF DISCHARGE:

1955-56
NO FLOW ENTIRE YEAR.

1956-57
NO FLOW ENTIRE YEAR.

1951-57
MAXIMUM 290 SECOND-FEET NOVEMBER 7, 1952.
MINIMUM NO FLOW MOST OF TIME.

ACCURACY: FAIR.

STATION E322-R
SAN GABRIEL RIVER at Peck Road

LOCATION: WATER-STAGE RECORDER. LAT. 34°02'00", LONG. 118°02'14" ON DOWNSTREAM SIDE OF PECK ROAD BRIDGE, 0.8 MILE DOWNSTREAM FROM SAN JOSE CREEK DIVERSION CHANNEL. 1.25 MILES UPSTREAM FROM WHITTIER NARROWS DAM ELEVATION OF GAGE, ABOUT 220 FEET.

RECORDS AVAILABLE: OCTOBER 1955 TO SEPTEMBER, 1957. RECORDER FROM DECEMBER 7, 1956 TO SEPTEMBER 30, 1957.

EXTREMES OF DISCHARGE:
1955-56
MAXIMUM DISCHARGE NOT DETERMINED JANUARY 26.
MINIMUM DISCHARGE NO FLOW DURING MOST OF YEAR.
1956-57
MAXIMUM DISCHARGE:3250 SECOND FEET MARCH 1. (GAGE HEIGHT 7.15 FT.)
MINIMUM DISCHARGE NO FLOW DURING SEVERAL MONTHS.

REMARKS: RECORDS FAIR BELOW 300 SECOND-FEET AND POOR ABOVE. COLORADO RIVER WATER WAS RELEASED FROM PUDDINGSTONE RESERVOIR DOWN WALNUT CREEK TO SAN GABRIEL RIVER FOR GROUND-WATER REPLENISHMENT BELOW WHITTIER NARROWS. 31590 A.F. OF COLORADO RIVER WATER PASSED THROUGH THIS STATION IN 1955-56 AND 40,530 A.F. IN 1956-57.

COOPERATION: RECORDS FURNISHED BY UNITED STATES GEOLOGICAL SURVEY, WATER RESOURCES BRANCH. ONE STREAM FLOW MEASUREMENT FURNISHED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER

AT Peck 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.
1	11/1		U.S.G.S.		CHANNELS		5.66	109.		.5/.6	63	.11	
2	11/3		"		"		6.01	230.		.5/.6	78	+.04	
3	11/4		"		"		5.97	190.		.5/.6	109	+.03	
4	11/9		"		"		5.89	198.		.5/.6	59	+.01	
5	11/14	1540 / 1603	WADDICOR-GODFREY		"			229.		.5/.6	26		
6	11/15		U.S.G.S.		"		5.95	185.		.5/.6	117	+.02	
7	11/23		"		"			220.		.6			
8	11/28		"		"			203.		.6	48		
9	12/9		"	129.	78.8	2.81	6.08	221.		.5/.6	38	+.02 −.02	
10	12/15		"		CHANNELS		6.13	285.		.5/.6	48	0	
11	12/16		"		"		6.14	235.		.5/.6	67	−.01	
12	5/9		"		"		5.44	68.0		.5.6/.2.8	39	−.07	
13	5/17		"		"		5.72	238.		.5/.6	50	+.01	
14	5/23		"		"		5.64	194.		.5/.6	76	−.01	
15	9/19		"		"		5.70	161.		.5/.6	56	0	
16	9/20		"		"		5.74	207.		.5/.6	72	0	
17	9/26		"		"		5.80	221.		.5/.6	75	+.01 −.01	

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER

AT Peck Road 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.	G. HT. CHANGE TOTAL	METER NO.
18	10/5		U.S.G.S.		CHANNELS		5.56	90.5		.5/.6	56	.02	
19	10/9		"		"		5.94	215.		.5/.6	55	+.01	
20	11/6		"		"		5.95	265.		.5.6/.2.8	61	0	
21	11/8		"		"		5.96	289.		.5.6/.2.8	61	+.01	
22	11/15		"		"		6.05	270.		.5.6/.2.8	67	+.01	
23	12/13		"		"		6.14	266.		.5/.6	55	−.03	
24	12/18		"		"		6.23	285.		.5.6/.2.8	55	0	
25	1/2		"		"		6.23	273.		.5/.6	71	0	
26	1/5		"		"		5.88	54.6		.6	34	−.14	
27	1/10		"		"		5.55	2.24		.5	20	−.06	
28	1/13		"		"		6.46	452.		.5/EST.	43	−.30	
29	1/13		"	33.	10.6	0.59	5.67	6.26		.5	18	−.03	
30	1/26		"		CHANNELS		5.82	32.1		SURF/.5.6	32	−.01	
31	2/23		"		"		6.24	316.		EST./.5.6	53	−.09	
32	2/23		"		"		5.94	26.3		EST./.5.6	26	−.02	
33	3/1		"	5.0	0.76	0.72	5.55	0.55		SURF/.5	6	0	
34	3/16		"		CHANNELS		6.25	216.		EST./.5.6	45	−.18	
35	3/16		"		"		6.06	60.9		EST./.5.6	39	−.13	
36	4/1		"		"		6.18	264.		.5.6/.2.8	48	−.01	
37	4/11		"		"		6.16	258.		.5/.6	60	+.05	
38	4/24		"		"		6.30	290.		.5/.6	58	+.05	

SEDTAM Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F322-R

Daily discharge, in second-feet of SAN GABRIEL RIVER at Peck Road, for the year ending September 30, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	90	173	0	0	0	0	0	0	0	0	0
2	0	224	133	0	0	0	0	0	0	0	0	0
3	0	233	163	0	0	0	0	0	0	0	0	0
4	0	229	87	0	0	0	0	0	0	0	0	0
5	0	226	19	0	0	0	0	0	0	0	0	0
6	0	223	138	0	0	0	0	0	0	0	0	0
7	0	219	100	0	0	0	0	0	0	0	0	0
8	0	212	243	0	0	0	0	0	0	0	0	0
9	0	214	221	0	0	0	0	13	0	0	0	0
10	0	217	221	0	0	0	0	0	0	0	0	0
11	0	210	229	0	0	0	0	70	0	0	0	0
12	0	202	253	0	0	0	0	237	0	0	0	0
13	0	201	253	0	0	0	14	229	0	0	0	0
14	0	111	253	0	0	0	0	215	0	0	0	0
15	0	232	268	0	0	0	0	215	0	0	0	0
16	0	227	221	0	0	0	0	229	0	0	0	0
17	0	63	221	0	0	0	0	229	0	0	0	0
18	0	1	253	0	0	0	0	253	0	0	0	1.3
19	0	203	245	0	0	0	0	253	0	0	0	156
20	0	245	237	0	0	0	0	253	0	0	0	197
21	0	172	237	0	0	0	0	229	0	0	0	203
22	0	205	260	0	0	0	0	215	0	0	0	209
23	0	235	61	0	0	0	0	215	0	0	0	215
24	0	229	0	0	0	0	0	125	0	0	0	229
25	0	226	0	0	0	0	0	0.1	0	0	0	221
26	0	227	0	4000	0	0	0	0	0	0	0	245
27	0	216	0	400	0	0	0	0	0	0	0	260
28	0	215	0	0	0	0	0	0	0	0	0	253
29	0	224	0	0	0	0	0	0	0	0	0	221
30	0	221	0	0		0	0	0	0	0	0	197
31	0		0	0		0		0		0	0	
	0	5952	4489	4400	0	0	14	2980.1	0	0	0	2607.3
MEAN	0	198.	145.	142.	0	0	0.47	96.1	0	0	0	86.9
ACRE-FEET		11,810.	8,900	8,730.	0	0	28.	5,910.	0	0	0	5,170.

Remarks:

YEAR OR PERIOD MEAN 55.9
ACRE-FEET 40,550.

SEDTAM Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F322-R

Daily discharge, in second-feet of SAN GABRIEL RIVER at Peck Road, for the year ending September 30, 1957

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	229	31	0	276	0	244	276	0	0	0	0	0
2	221	260	0	202	0	0	276	0	0	0	0	0
3	221	268	0	0.4	0	0	276	0	0	0	0	0
4	178	268	0	0	0	0	276	0	0	0	0	0
5	145	276	1.0	16	0	0	268	0	0	0	0	0
6	197	276	0.5	0	0	0	268	0	0	0	0	0
7	215	284	0	0	0	0	268	0	0	0	0	0
8	221	284	0	0	0	0	276	0	0	0	0	0
9	237	276	0	0	0	0	276	0	0	0	0	0
10	229	276	0	17	0	0	276	0	0	0	0	0
11	229	260	0	0	0	0	276	0	0	0	0	0
12	217	268	23	16	0	0	256	0.6	0	0	0	0
13	0.7	268	268	627	0	0	5.1	0	0	0	0	0
14	0	268	276	0	0	0	0	0	0	0	0	0
15	0	268	292	0	0	0	0	0	0	0	0	0
16	0	276	300	0	0	46	0	0	0	0	0	0
17	0	276	300	0	0	0	0	0	0	0	0	0
18	0	276	284	0	0	0	94	0	0	0	0	0
19	0	276	284	0	0	0	260	3.6	0	0	0	0
20	0	268	276	0	0	0	241	0	0	0	0	0
21	0	244	284	0	0	0	194	0	0	0	0	0
22	0	4.6	284	0	0	0	207	0	0	0	0	0
23	0	0	284	0	70	0	260	0	0	0	0	0
24	0	0	284	0	0	0	292	0	0	0	0	0
25	0	0	276	0	0	0	292	0	0	0	0	0
26	0	0	276	8.6	0	0	234	0	0	0	0	0
27	0	0	276	0	0	0	3.4	0	0	0	0	0
28	0	0	300	0	2.1	0	0	0	0	0	0	0
29	0	0	300	0		53	0	0	0	0	0	0
30	0	0	300	0		237	0	0	0	0	0	0
31	0		300	0		260		0		0	0	
	2539.7	5415.6	5468.5	1163.0	72.1	840.0	5350.5	4.2	0	0	0	0.
MEAN	81.9	182.	176.	37.5	2.57	27.1	178.	0.14	0	0	0	0
ACRE-FEET	5,040.	10,810.	10,850.	2,310.	143.	1,670.	10,610.	8.3	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 57.2
ACRE-FEET 41,440.

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 HEAD WORKS.

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

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

RECORDER: A STEVENS TYPE L RECORDER IN SERVICE DURING PERIODS OF OPERATION. INSTALLED OVER A 21 INCH CORRUGATED IRON PIPE STILLING WELL.

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.

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

DISCHARGE MEASUREMENTS OF SAN GABRIEL BYPASS CHANNEL

~~AT~~ NEAR above Whittier Narrows Dam 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.	D. HT. CHANGE TOTAL	METER NO.
71	11/1	0618 / 0629	GODFREY-WADDICOR	14.4	15.1	1.17	1.13	17.7		.6	9	-.08	FC28
72	11/1	0746 / 0757	" "	15.5	18.6	2.23	1.28	41.5		.6	10	-.01	"
73	11/1	1545 / 1600	WADDICOR-GODFREY	18.5	35.7	3.17	1.90	113.		.6	12	+.03	"
74	11/2	0750 / 0812	" "	23.2	54.0	3.83	2.87	207.		.6	15	+.02	FC37
75	11/3	0745 / 0807	" "	23.0	51.8	3.88	2.72	201.		.6	9	+.01	"
76	11/4	0741 / 0802	" "	23.0	51.3	3.82	2.75	196.		.6	10	-.01	"
77	11/5	0739 / 0757	WADDICOR-SARASUA	23.0	51.4	3.89	2.76	200.		.6	14	0	"
78	11/6	0711 / 0738	WADDICOR-HYLEN	23.0	51.9	3.80	2.75	197.		.6	15	0	"
79	11/8	0830 / 0855	WADDICOR-SARASUA	23.0	52.0	3.83	2.73	199.		.6	15	0	"
80	11/9	1028 / 1052	WADDICOR	23.0	53.3	3.71	2.67	198.		.6	16	+.01	"
81	11/10	0930 / 0953	"	22.5	49.4	3.79	2.55	187.		.6	15	0	"
82	11/11	0847 / 0910	"	21.8	46.0	3.65	2.41	168.		.6	15	0	"
83	11/12	0827 / 0852	"	21.8	43.6	3.72	2.38	162.		.6	15	0	"
84	11/13	0845 / 0908	"	21.7	40.9	3.50	2.19	143.		.6	15	0	"
85	11/15	1500 / 1520	"	22.0	47.8	3.74	2.53	179.		.6	15	0	"
86	11/16	0845 / 0910	WADDICOR-THOMAS	22.2	48.4	3.68	2.50	178.		.6	15	-.01	"
87	11/17	1544 / 1554	WADDICOR	10.0	3.59	0.53	0.40	1.9		.6	10	0	"
88	11/19	0835 / 0908	"	22.0	46.8	3.80	2.50	178.		.6	15	+.04	"
89	11/22	1513 / 1534	"	20.0	47.3	3.95	2.68	187.		.6	14	-.09	"
90	11/23	1004 / 1027	"	20.0	47.6	3.84	2.66	183.		.6	14	0	"
91	11/26	1354 / 1407	WADDICOR-HYLEN	18.0	33.6	2.96	1.89	99.4		.6	13	0	"
92	11/29	0847 / 0900	WADDICOR	16.3	24.0	2.26	1.38	54.4		.6	12	+.01	"
93	11/30	0937 / 0950	WADDICOR-SPELLMAN	16.5	26.6	2.54	1.55	67.6		.6	13	0	"
94	12/8	1030 / 1056	WADDICOR	21.0	50.6	3.85	2.82	195.		.6	13	-.02	"
95	12/14	1511 / 1523	GODFREY-SPELLMAN	17.5	28.6	2.76	1.68	79.1		.6	11	0	FC28
96	12/21	1041 / 1058	WADDICOR-GILLAM	17.0	19.6	3.14	1.49	61.6		.6	15	0	FC37
97	5/12	0850 / 0910	WADDICOR-SADDORIS	21.5	49.3	4.08	2.94	201.		.6	13	-.01	"
98	5/13	0840 / 0854	" "	22.3	53.6	4.03	3.02	216.		.6	13	+.01	"
99	5/14	0915 / 0922	SADDORIS-GILLAM	20.7	38.6	3.78	2.34	146.		.6	12	0	FC55
100	5/14	1514 / 1521	SADDORIS-HYLEN	20.0	40.2	3.28	2.29	132.		.6	11	0	"
101	5/15	0880 / 0846	WADDICOR-SADDORIS	19.3	34.1	3.61	2.14	123.		.6	11	0	FC37
102	5/16	0950 / 1008	WADDICOR	18.4	31.0	3.58	1.99	111.		.6	11	0	"
103	5/17	0905 / 0918	"	18.2	30.4	3.49	1.95	106.		.6	11	0	"
104	5/18	0902 / 0922	WADDICOR-SADDORIS	18.7	29.8	3.34	1.92	99.6		.6	11	0	"
105	5/21	0902 / 0922	WADDICOR	18.7	30.8	3.13	1.88	96.3		.6	11	0	"
106	5/22	0903 / 0931	WADDICOR-STUNDEN	18.5	27.2	3.20	1.79	87.0		.6	11	0	"
107	5/23	0918 / 0930	WADDICOR	19.0	27.9	3.18	1.82	88.6		.6	11	0	"
107	5/24	1007	"				1.81	88.0		EST.			
108	9/19	0822 / 0833	WADDICOR-ROY	17.0	19.3	2.31	1.36	44.6		.6	12	0	FC37
109	9/20	0730 / 0743	" "	16.3	17.4	2.12	1.22	37.0		.6	13	0	"
110	9/21	0816 / 0830	" "	16.5	18.7	2.20	1.30	41.2		.6	13	0	"
111	9/22	0741 / 0755	" "	17.5	23.3	2.72	1.55	63.4		.6	12	0	"
112	9/24	0825 / 0838	" "	17.7	25.2	2.84	1.65	71.7		.6	12	0	"
113	9/25	0857 / 0909	WADDICOR	19.3	28.7	2.97	1.80	85.3		.6	13	0	"
114	9/26	0800 / 0815	WADDICOR-ROY	18.0	26.6	2.99	1.75	79.4		.6	12	0	"

DISCHARGE MEASUREMENTS OF SAN GABRIEL BYPASS CHANNEL

~~AT~~ NEAR above Whittier Narrows Dam DURING THE YEAR ENDING SEPTEMBER 30, 1957

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.
115	10/8	0755 / 0815	WADDICOR	17.5	22.3	2.63	1.51	58.6		.6	12	0	FC37
116	10/9	1323 / 1418	"	17.5	22.5	2.66	1.51	59.9		.6	12	0	"
117	10/11	1117 / 1130	"	17.5	23.0	2.84	1.59	65.4		.6	12	-.01	"
118	11/2	0903 / 0920	WADDICOR-ROY	18.5	26.3	3.42	1.79	90.0		.6	12	0	"
119	11/7	0850 / 0926	ROY-WADDICOR	20.2	39.6	4.07	2.47	161.		.6	13	-.03	"
120	11/9	1358 / 1423	" "	20.5	41.6	3.94	2.55	164.		.6	12	0	"
121	11/15	1007 / 1048	" "	20.0	37.2	3.92	2.38	146.		.6	13	0	"
122	11/21	0909 / 0933	" "	20.4	39.1	3.84	2.39	150.		.6	12	0	"
123	11/22	0845 / 0858	WADDICOR	10.7	4.55	0.42	0.40	1.9		.6	9	0	FC52
124	12/13	0843 / 0902	ROY-WADDICOR	18.5	28.5	3.34	1.88	95.3		.6	12	+.01	FC37
125	12/14	1035 / 1046	WADDICOR-ROY	19.3	34.4	3.84	2.19	132.		.6	13	0	"
126	12/17	0845 / 0910	ROY-WADDICOR	20.0	34.8	3.74	2.19	130.		.6	12	0	"
127	12/19	0828 / 0900	" "	20.0	33.9	3.66	2.15	124.		.6	12	0	"
128	12/21	0900 / 0915	WADDICOR-ROY	19.0	32.0	3.47	2.04	111.		.6	14	0	"
129	12/26	1000 / 1020	WADDICOR	19.0	26.0	4.12	2.07	107.		.6	12	0	"
130	12/28	0814 / 0832	ROY-WADDICOR	19.0	35.2	3.46	2.10	122.		.6	13	0	"
131	1/2	0847 / 0855	" "	19.3	32.6	3.44	2.06	112.		.6	13	0	"
132	1/4	0820 / 0828	WADDICOR	4.8	1.28	0.70	0.39	0.89		.6	6	0	"
133	3/29	1623 / 1630	WADDICOR-ROY	18.0	20.8	2.82	1.46	58.7		.6	10	+.08	"
134	3/30	0850 / 0914	ROY-WADDICOR	20.0	35.6	3.82	2.23	136.		.6	12	0	"
135	4/1	0942 / 1014	" "	20.0	37.8	3.92	2.29	148.		.6	12	0	"
136	4/3	0834 / 0855	" "	20.0	36.5	3.78	2.25	138.		.6	12	-.01	"
137	4/8	0810 / 0828	WADDICOR-ROY	19.3	33.6	3.81	2.12	128.		.6	12	0	"
138	4/19	0827 / 0845	ROY-WADDICOR	20.0	36.6	3.94	2.29	144.		.6	12	-.01	"
139	4/22	0818 / 0838	" "	20.0	34.9	3.72	2.22	130.		.6	12	0	"
140	4/24	0852 / 0910	" "	20.2	38.2	3.88	2.36	148.		.6	12	0	"

74D74M 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, 19 56

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		71	105									
2		197	54									
3		203	53									
4		202	72									
5		202	19									
6		203	138									
7		199	74									
8		194	163									
9		190	87									
10		189	81									
11		169	80					29				
12		152	78					209				
13		160	78					207				
14		101	78					129				
15		185	77					112				
16		185	76					108				
17		63	74					104				
18		0.8	73					100				
19		152	70					100				26
20		194	a 65					94				32
21		140	64					92				51
22		179	65					90				75
23		185	18					92				74
24		177	0					58				78
25		178						0.7				83
26		135						0				69
27		98										72
28		80										67
29		65										62
30		65										60
31												
		4513.8	1742.					1524.7				749.
MEAN		150.	56.2					49.2				25.0
ACRE-FEET		8950.	3460.					3020.				1486.

Remarks:

YEAR OR PERIOD MEAN 23.3
ACRE-FEET 16920.

74D74M 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, 19 57

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	64	1.2	0	115	0	0	152					
2	62	90	0	69	0	0	144					
3	61	110	0	1.6	0	0	137					
4	99	127	0	1.0	0	0	129					
5	50	140	0	13	0	0	125					
6	63	146	0	1.1	0	0	128					
7	60	163	0	0.5	0	0	127					
8	59	163	0	0	0	0	127					
9	67	160	0	0	0	0	128					
10	64	160	0	0	0	0	140					
11	68	151	0	0	0	0	146					
12	61	152	3.5	0	0	0	137					
13	0	158	98	0	0	0	2.6					
14	0	158	127	0	0	0	0					
15	0	146	134	0	0	0	0.6					
16	0	147	132	0	0	0	0					
17	0	149	129	0	0	0	0.2					
18	0	a 138	128	0	0	0	44					
19	0	a 146	119	0	0	0	144					
20	0	a 140	113	0	0	0	130					
21	0	136	114	0	0	0	105					
22	0	2.4	114	0	0	0	101					
23	0	0	111	0	0	0	134					
24	0	0	111	0	0	0	132					
25	0	0	112	0	0	0	140					
26	0	0	107	0	0	0	103					
27	0	0	114	0	0	0	0					
28	0	0	121	0	0	0	0					
29	0	0	120	0		39	0					
30	0	0	119	0		144						
31	0		116	0		150						
	778	2883.6	2242.5	221.2	0	333	2676.4	0	0	0	0	0
MEAN	25.	96.1	72.3	7.14	0	10.7	8.92	0	0	0	0	0
ACRE-FEET	1540.	5720.	4450.	439.	0	660.	5310.	0	0	0	0	0

RECORDER STOPPED FOR SEASON

Remarks:

YEAR OR PERIOD MEAN 25.0
ACRE-FEET 18,120.

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: INSTALLED ON FEBRUARY 4, 1937. REMOVED NOVEMBER 14, 1947 AND INSTALLED NOVEMBER 26, 1947, 150 FEET UPSTREAM. MOVED TO NEW BRIDGE MARCH 6, 1952 AND INSTALLED OVER A 20-INCH DIAMETER STEEL PIPE STILLING WELL BUILT IN DOWNSTREAM END OF BRIDGE PIER. A STEVENS TYPE A35-B RECORDER IN SERVICE FROM OCTOBER 1, 1955 TO SEPTEMBER 30, 1957.

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, 1957. (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. 12,770 ACRE-FEET IS INCLUDED IN THIS RECORD DURING 1955-56 AND 14,540 ACRE-FEET DURING 1956-57. THIS IS FOREIGN WATER.

EXTREMES OF DISCHARGE:
1955-56
MAXIMUM 12,400 SECOND-FEET JANUARY 26.
MINIMUM NO FLOW PART OF YEAR.
1956-57
MAXIMUM 3600 SECOND-FEET MARCH 1.
MINIMUM NO FLOW PART OF YEAR.
1936-57
MAXIMUM 22,700 SECOND-FEET ESTIMATED MARCH 2, 1938.
MINIMUM NO FLOW AT VARIOUS TIMES (FOR EARLIER YEARS SEE STATION F63-R).

ACCURACY: FAIR.

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 Beverly Boulevard 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.
120	11/2	1025 / 1040	WADDICOR-GODFREY	75.0	63.5	2.36	7.70	150.		.5/.6	18	0	FC37
121	11/3	1318 / 1342	" "	76.5	75.4	2.04	7.79	154.		.5/.6	20	0	"
122	11/8	1100 / 1125	WADDICOR	78.0	77.0	2.04	7.77	157.		.6	19	0	"
123	11/14	0537 / 0552	WADDICOR-KESTEL	74.0	83.8	2.42	7.87	203.		.6	16	-.03	"
124	11/14	1107 / 1121	" "	75.0	55.9	1.81	7.59	101.		.6	17	+.02	"
125	11/16	1018 / 1042	WADDICOR	77.0	64.9	2.14	7.67	139.		.6	17	0	"
126	11/17	1018 / 1027	WADDICOR-KESTEL	24.0	19.3	1.71	7.16	33.1		.6	14	-.01	"
127	11/21	1214 / 1228	" "	82.0	90.8	2.11	7.80	192.		.6	18	+.01	"
128	11/23	1255 / 1317	WADDICOR	79.0	78.6	2.33	7.69	183.		.6	18	0	"
129	11/30	1116 / 1130	"	23.5	26.4	2.58	7.17	68.0		.6	15	0	"
130	12/7	0942 / 1005	"	23.0	20.0	2.10	7.03	42.0		.6	18	0	"
131	12/14	1300 / 1334	GODFREY	68.0	41.4	1.67	7.22	69.2		.5/.6	23	0	"
132	12/21	1540 / 1602	WADDICOR	16.1	21.7	2.82	7.12	61.1		.6	13	0	"
133	12/29	1040 / 1055	"	16.8	4.65	1.08	6.64	5.0		.6	13	0	"
134	1/5	1112 / 1126	"	9.8	3.85	1.40	6.53	5.4		.6	11	0	"
135	1/25	1615 / 1621	WADDICOR-SADDORIS	13.5	8.13	1.99	6.73	16.2		.6	9	0	"
136	1/25	2305 / 2335	" "	CHANNELS			8.30	637.		.5/.6	21	0	"
137	1/26	0750 / 0809	" "	255.	475.	4.42	9.05	2100.		.6	16	0	"
138	1/26	1335 / 1400	WADDICOR-KESTEL	262.	992.	7.58	10.3	7520.		.6	15	+.60	"
139	1/30	1605 / 1615	" "	10.5	4.42	1.70	6.30	7.5		.6	9	0	"
140	1/31	1405 / 1420	" "	38.0	16.0	1.31	6.52	20.9		.6	15	-.01	"
141	2/2	1555 / 1609	WADDICOR	12.5	4.48	1.70	6.29	7.6		.6	12	0	"
142	2/9	1135 / 1149	"	19.0	4.97	0.90	6.22	4.5		.6	13	0	"
143	2/16	1030 / 1042	WADDICOR	11.0	4.64	1.06	6.22	4.9		.6	12	0	FC37
144	2/24	1250 / 1300	WADDICOR-SJOSTEDT	16.0	4.47	1.05	6.25	4.7		.6	11	0	"
145	3/1	1020 / 1035	WADDICOR	15.2	4.70	1.11	6.25	5.2		.6	13	0	"
146	3/8	1000 / 1013	"	10.2	4.00	0.82	6.19	3.3		.6	11	0	"
147	3/15	1330 / 1340	"	7.0	2.74	1.09	6.12	3.0		.6	8	0	"
148	3/22	1015 / 1025	"	3.5	1.33	0.71	6.07	0.94		.6	8	0	"
149	4/19	1015 / 1025	"	7.1	2.51	1.08	6.07	2.7		.6	9	0	"
150	4/27	1445 / 1500	"	10.0	4.43	1.51	6.15	6.7		.6	11	0	"
151	5/3	0955 / 1005	"	8.3	3.13	0.45	6.07	1.4		.6	7	0	"
152	5/12	1022 / 1038	WADDICOR-SADDORIS	44.0	53.6	2.87	7.06	154.		.6	12	0	"
153	5/13	1109 / 1140	SADDORIS	55.0	76.0	2.51	7.14	191.		.6	15	0	FC55
154	5/15	1005 / 1015	WADDICOR-SADDORIS	42.0	44.4	2.43	6.95	108.		.6	14	0	FC37
155	5/16	1345 / 1355	SADDORIS-SJOSTEDT	44.0	43.8	2.13	6.91	93.2		.6	13	0	FC55
156	5/17	1515 / 1530	WADDICOR-SADDORIS	42.0	37.4	2.21	6.88	82.6		.6	12	0	FC37
157	5/18	1256 / 1310	" "	41.5	39.2	1.98	6.88	77.5		.6	13	0	"
158	5/21	1410 / 1421	SADDORIS	44.0	39.3	1.76	6.86	69.0		.6	13	0	FC55
159	5/22	1310 / 1325	WADDICOR	42.0	34.4	2.15	6.84	74.1		.6	12	0	FC37
160	5/23	1308 / 1328	"	41.0	34.6	2.13	6.84	73.7		.6	12	0	"
161	5/24	1110 / 1125	"	40.0	33.4	2.10	6.83	70.3		.6	12	0	"
162	9/20	1300 / 1314	WADDICOR-ROY	12.5	3.64	1.13	6.20	4.1		.5	9	0	"
163	9/21	1043 / 1055	" "	37.0	15.4	0.71	6.95	11.0		.5	14	-.01	"
164	9/22	1055 / 1110	" "	38.5	22.1	1.40	6.66	30.9		.6	13	0	"
165	9/26	1020 / 1031	" "	44.5	28.0	1.66	6.98	4.64		.6	14	-.05	"

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER

AT Beverly Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 1957

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.
166	10/8	1030 / 1048	WADDICOR	40.0	19.1	1.88	6.98	36.2		.6	12	0	FC37
167	10/11	1500 / 1520	"	46.0	27.5	1.18	7.04	32.1		.6	14	0	"
168	11/2	1130 / 1145	WADDICOR-ROY	51.5	29.9	2.07	7.10	61.7		.6	16	-.01	"
169	11/9	0800 / 0932	ROY-WADDICOR	52.6	56.4	2.43	7.30	137.		.6	21	0	"
170	11/15	1320 / 1400	" "	52.1	55.7	2.35	7.25	131.		.6	29	-.02	"
171	11/21	1130 / 1156	" "	51.9	54.8	2.30	7.24	126.		.6	16	0	"
172	12/13	1122 / 1155	" "	44.5	41.9	1.98	7.04	82.7		.6	23	0	"
173	12/19	1318 / 1350	" "	49.0	53.4	2.04	7.17	109.		.6	25	+.01	"
174	12/28	1342 / 1400	WADDICOR	42.0	49.4	2.01	7.14	99.4		.6	18	0	"
175	1/5	1345 / 1355	FALCONE-SADDORIS	38.8	16.4	1.30	6.49	21.4		.6 .8	12	-.01	FC35
176	1/10	0845 / 0855	WADDICOR-ROY	57.5	66.0	2.72	7.29	180.		.6	15	+.03	FC37
177	1/11	1818 / 1348	ROY-WADDICOR	36.5	8.72	0.91	6.32	7.9		.6	20	0	FC52
178	1/13	0810 / 0832	WADDICOR-ROY	163.	249.	3.86	8.29	962.		.6	16	-.18	FC37
179	1/14	1845 / 1855	" "	17.5	5.61	1.14	5.92	6.4		.6	11	0	"
180	1/17	1135 / 1150	WOOD-WADDICOR	18.4	5.25	0.84	5.88	4.4		.6	12	0	FC52
181	1/21	1055 / 1109	WADDICOR	15.0	6.02	1.34	5.95	8.1		.6	10	0	FC37
182	1/25	1012 / 1026	"	13.0	5.46	1.32	5.91	7.2		.6	11	0	"
183	2/7	1455 / 1510	WADDICOR-BROOK	13.5	4.53	0.93	5.77	4.2		.6	12	0	"
184	2/14	1220 / 1233	WADDICOR	8.5	2.20	0.50	5.66	1.1		.6	9	0	"
185	2/21	1202 / 1214	"	9.0	3.28	1.16	5.77	3.8		.6	7	0	"
186	2/23	1150 / 1205	WADDICOR-ROY	CHANNELS			7.48	303.		.6	18	-.04	"
187	2/24	1200 / 1208	" "	14.5	6.49	1.09	5.90	7.1		.6	11	0	"
188	2/28	1112 / 1123	WADDICOR	8.5	3.63	0.86	5.78	3.1		.6	7	0	"
189	2/28	1518 / 1536	WADDICOR-BOWMAN	17.5	8.33	1.52	6.02	12.7		.6	13	-.04	FC37
190	3/1	0202 / 0232	WADDICOR-WOOD	205.	388.	5.77	8.88	2244.		.6	13	-.17	"
191	3/1	1406 / 1416	" "	22.0	11.2	2.09	6.98	22.5		.6	12	0	"
192	3/4	1440 / 1455	WADDICOR	8.0	2.26	1.28	6.96	2.9		.6	9	0	"
193	3/7	1334 / 1338	WADDICOR-ROY	3.7	0.75	0.91	6.85	0.68		.6	7	0	"
194	3/10	1045 / 1057	WADDICOR-BROOK	19.9	8.44	1.50	6.92	12.6		.6	12	-.02	"
195	3/11	1400 / 1410	WADDICOR	10.0	4.88	1.25	6.80	6.1		.6	11	0	"
196	3/14	1342 / 1355	"	10.3	3.80	1.37	6.78	5.2		.6	9	0	"
197	3/16	1120 / 1129	WADDICOR-BROOK	48.0	49.8	5.25	7.42	251.		.6	12	+.04	"
198	3/16	1128 / 1136	" "	48.0	52.6	4.94	7.44	260.		.6	12	-01	"
199	3/18	0848 / 0900	WADDICOR	8.0	3.14	1.08	6.62	3.4		.6	10	0	"
200	3/21	1155 / 1205	"	5.0	1.74	2.18	6.59	3.8		.6	6	0	"
201	3/30	1040 / 1115	ROY-WADDICOR	50.0	44.6	2.51	7.17	112.		.6	26	0	"
202	4/3	1022 / 1100	" "	67.0	58.7	1.91	7.17	112.		.6	35	0	"
203	4/12	1150 / 1233	ROY	60.6	49.2	2.21	7.13	109.		.6	31	0	FC51
204	4/19	1142 / 1202	WADDICOR-ROY	61.0	50.6	2.51	7.14	127.		.6	23	0	FC37
205	4/24	1037 / 1102	WADDICOR	64.0	52.5	2.31	7.17	121.		.6	24	0	"

TSDT6M Clb 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, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	10	124	43	9.7	51	0	2.5	0	0	0	0
2	0	143	51	52	8.0	51	0	2.0	0	0	0	0
3	0	143	54	56	6.9	51	0	1.7	0	0	0	0
4	0	136	82	52	6.6	50	0	1.0	0	0	0	0
5	0	166	2.8	52	6.0	4.5	0	+	0	0	0	0
6	0	166	149	2.2	5.4	3.5	0	+	0	0	0	0
7	0	161	69	0	4.5	3.5	0	+	0	0	0	0
8	0	152	175	0	4.5	3.2	0	0	0	0	0	0
9	0	138	88	0	4.2	3.2	0	17	0	0	0	0
10	0	130	81	0	4.0	3.2	0	2.7	0	0	0	0
11	0	120	76	0	3.8	3.2	0	12	0	0	0	0
12	0	104	74	0	3.8	3.2	13	173	0	0	0	0
13	0	106	72	0	4.0	3.2	102	190	0	0	0	0
14	0	93	72	0	4.2	3.8	6.6	121	0	0	0	0
15	0	146	74	0	4.6	3.8	3.5	97	0	0	0	0
16	0	147	74	0	4.5	3.8	2.5	91	0	0	0	0
17	0	76	72	0	4.8	3.8	2.8	84	0	0	0	0
18	0	0	69	0	5.4	3.5	2.8	84	0	0	0	0
19	0	102	68	0	a 5.4	3.2	2.8	81	0	0	0	0
20	0	147	61	0	5.4	3.2	2.8	81	0	0	0	2.0
21	0	131	63	0	5.4	1.5	1.4	76	0	0	0	17
22	0	173	61	0	5.4	0.3	0.7	73	0	0	0	38
23	0	184	26	0	5.4	0.3	0.1	84	0	0	0	45
24	0	170	b 5.2	0	5.4	0.1	0.1	52	0	0	0	54
25	0	161	5.2	59	5.4	0.1	+	3.0	0	0	0	41
26	0	86	5.2	4030	5.4	0.1	8.0	0	0	0	0	38
27	0	85	5.2	445	5.4	+	8.6	0	0	0	0	45
28	0	75	b 5.2	7.5	5.4	1.3	4.5	0	0	0	0	46
29	0	68	4.8	7.5	a 5.4	0	3.5	0	0	0	0	41
30	0	66	3.8	7.7		0	3.0	0	0	0	0	41
31	0		3.4	17		0		0			0	
	0	3605.0	1775.8	4601.4	154.5	79.8	168.7	1328.9	0	0	0	408.0
MEAN	0	120.	57.3	148.	5.33	2.57	5.62	42.9	0	0	0	13.6
ACRE-FEET	0	7150.	3520.	9130.	306.	158.	335.	2640.	0	0	0	809.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 33.1
ACRE-FEET 24,050.

75D74M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

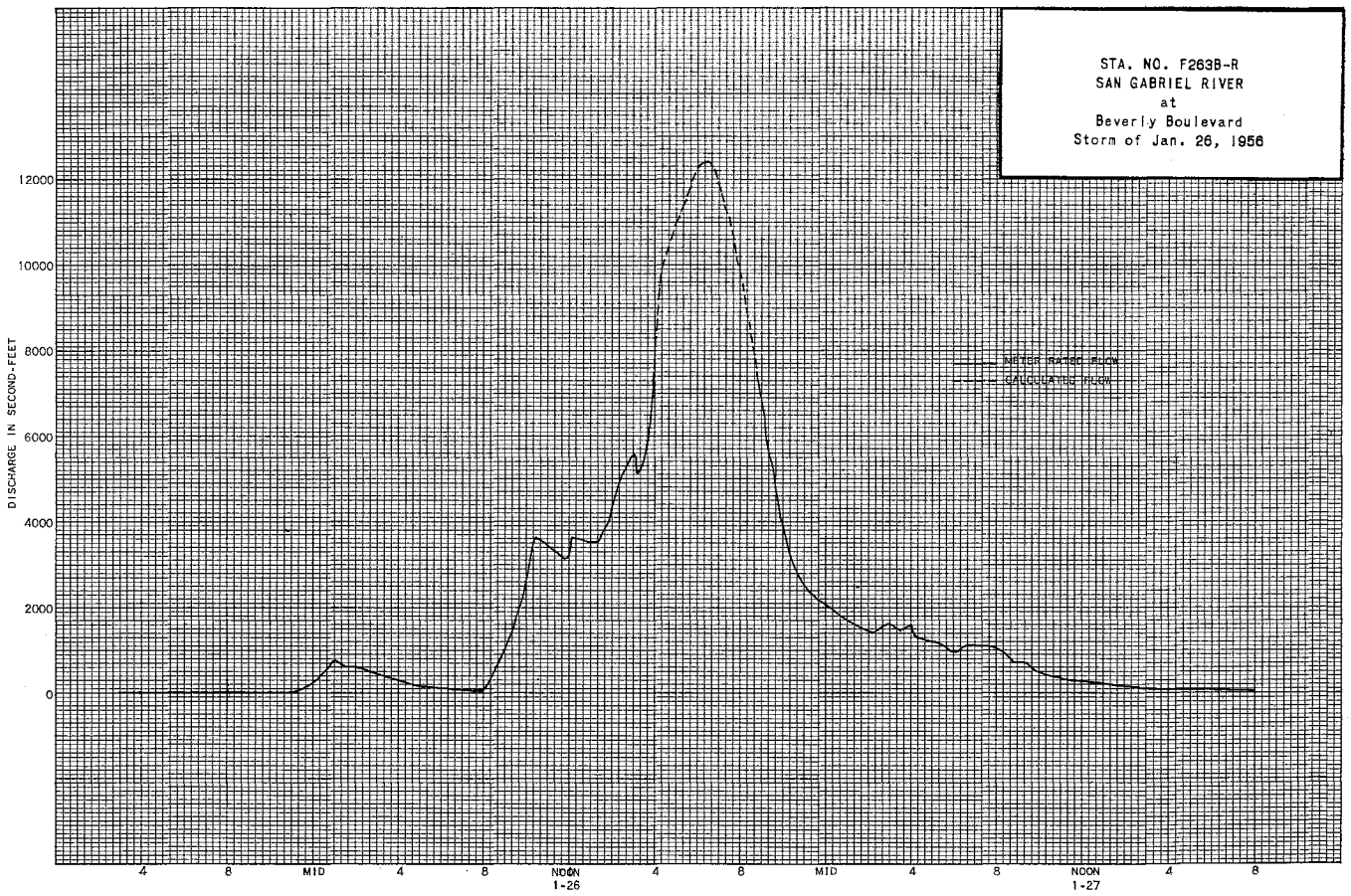
Sta. No. F263B-R

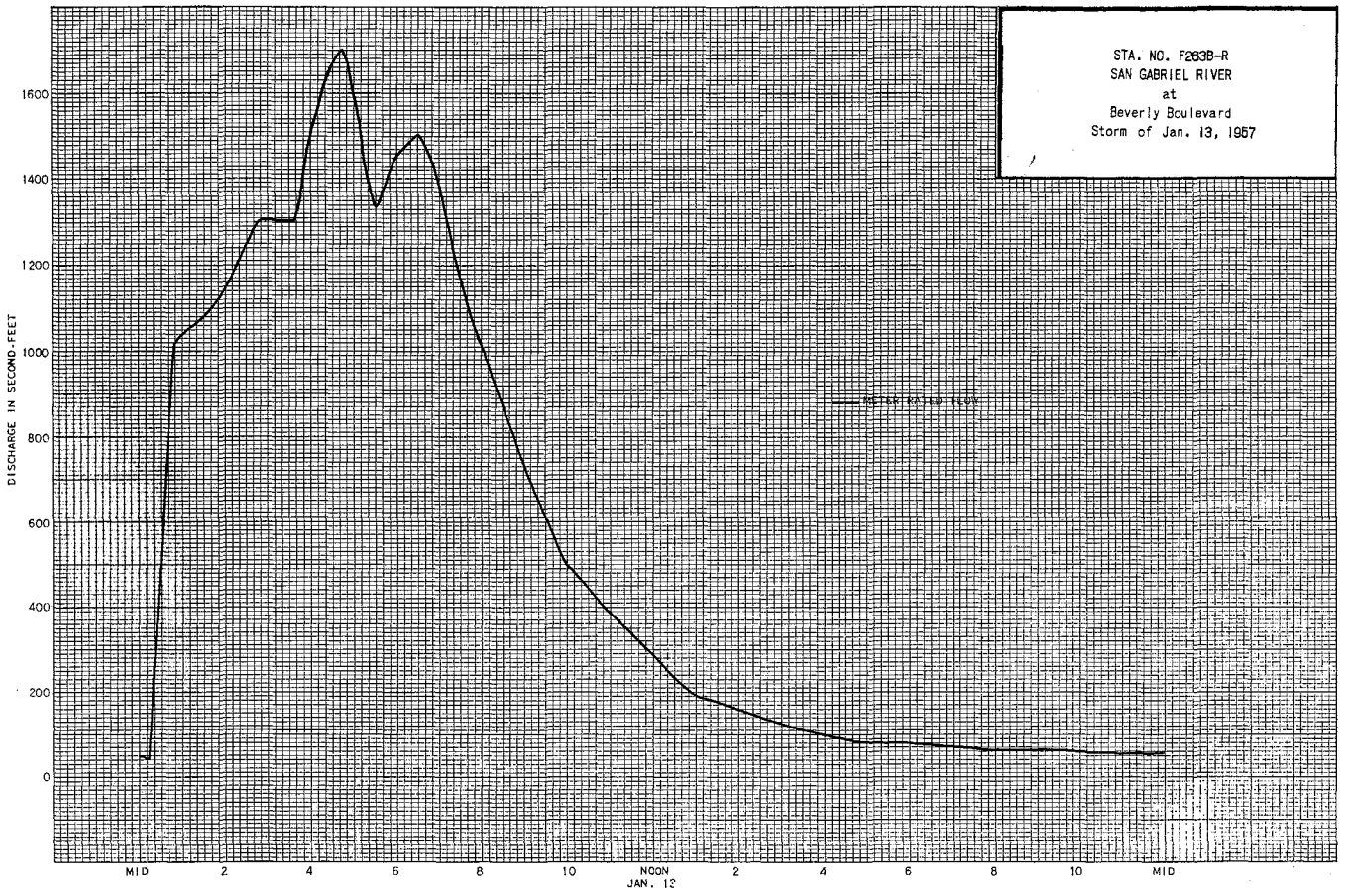
Daily discharge, in second-feet of SAN GABRIEL RIVER at Beverly Boulevard, for the year ending September 30, 19 57

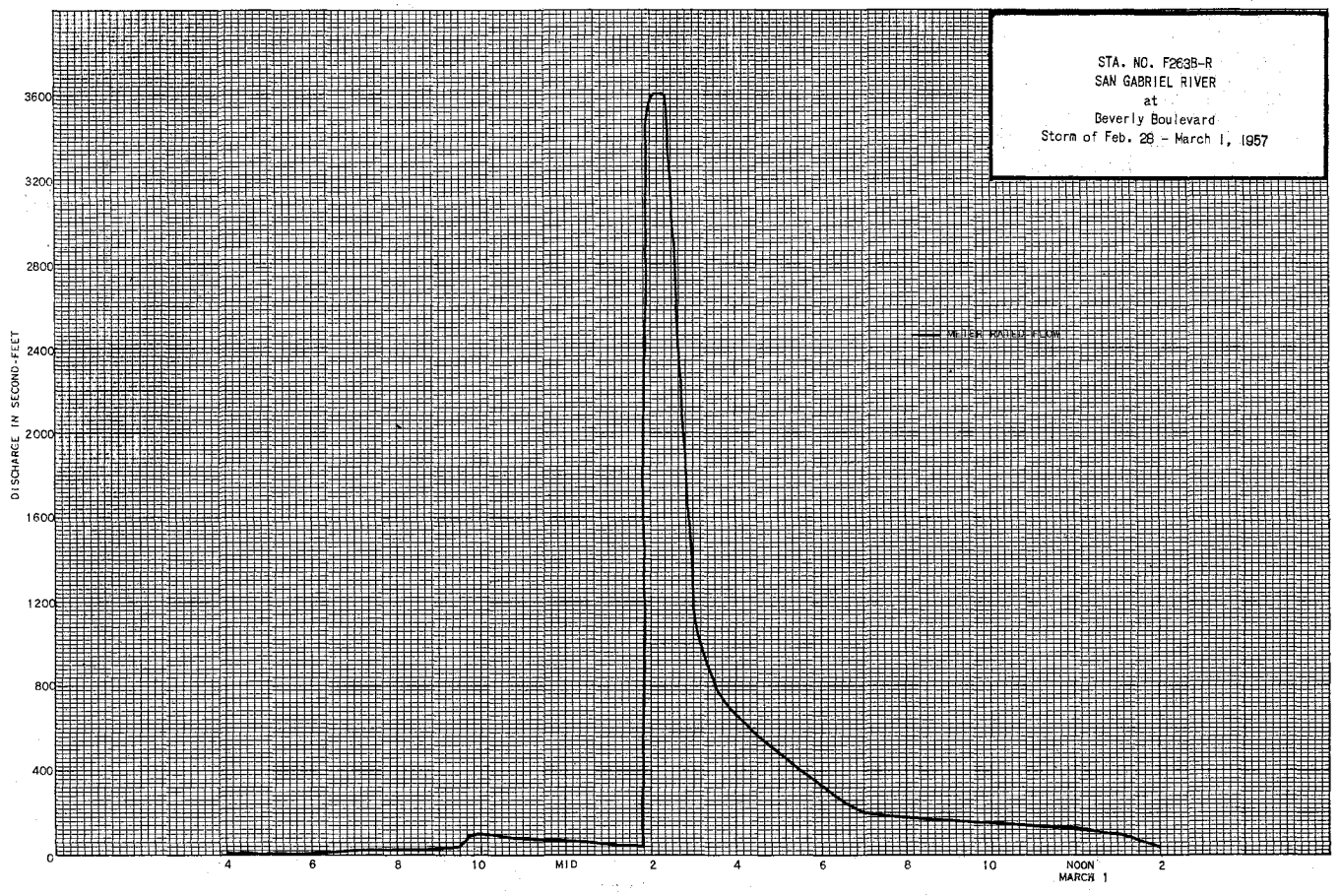
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	50	0	0	95	5.1	238	125	0	0	0	0	0
2	48	64	0	76	4.8	8.0	121	0	0	0	0	0
3	30	98	0	0.1	4.5	4.2	114	0	0	0	0	0
4	101	114	0	0	4.5	2.3	102	0	0	0	0	0
5	26	130	0	23	4.5	2.0	98	0	0	0	0	0
6	37	130	0	9.7	4.5	1.7	102	0	0	0	0	0
7	36	149	0	10	4.2	1.7	84	0	0	0	0	0
8	36	149	0	9.7	4.2	4.8	95	0	0	0	0	0
9	36	144	0	9.2	4.5	8.6	95	0	0	0	0	0
10	36	144	0	103	4.2	12	110	0	0	0	0	0
11	36	135	0	8.6	3.5	6.3	117	0	0	0	0	0
12	33	139	0	10	2.8	5.4	110	0	0	0	0	0
13	0.6	149	82	558	2.0	5.1	2.3	0	0	0	0	0
14	0	144	130	16	1.7	5.1	0	0	0	0	0	0
15	0	130	130	5.4	3.0	5.1	0	0	0	0	0	0
16	0	135	125	4.5	3.5	55	0	0	0	0	0	0
17	0	130	117	4.8	3.2	4.3	0	0	0	0	0	0
18	0	121	110	5.1	3.2	3.4	15	0	0	0	0	0
19	0	121	95	5.1	3.5	4.0	121	0	0	0	0	0
20	0	125	91	6.5	3.5	4.0	104	0	0	0	0	0
21	0	115	95	8.6	3.8	3.2	87	0	0	0	0	0
22	0	1.0	95	6.3	3.8	2.2	74	0	0	0	0	0
23	0	0	91	6.6	9.6	0.7	102	0	0	0	0	0
24	0	0	95	6.6	6.7	1.8	121	0	0	0	0	0
25	0	0	95	6.9	6.3	0.7	117	0	0	0	0	0
26	0	0	91	30	5.7	0	81	0	0	0	0	0
27	0	0	91	6.9	4.5		1.0	0	0	0	0	0
28	0	0	95	10	16	0.2	0	0	0	0	0	0
29	0	0	95	16		24	0	0	0	0	0	0
30	0	0	91	12		114	0	0	0	0	0	0
31	0		91	7.5		121		0		0	0	
	525.6	2567.0	1905.0	1077.8	217.7	698.8	2098.3	0	0	0	0	0
MEAN	17.0	85.6	61.4	34.8	7.78	22.5	69.9	0	0	0	0	0
ACRE-FEET	1040.	5090.	3780.	2140.	432.	1390.	4160.	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 24.9
ACRE-FEET 18,000.




STA. NO. F263B-R
SAN GABRIEL RIVER
at
Beverly Boulevard
Storm of Jan. 13, 1957
DISCHARGE IN SECOND-FEET
1600
1400
1200
1000
800
600
400
200
0
METER RATED FLOW
MID
2
4
6
8
10
NOON
JAN. 13
2
4
6
8
10
MID


STA. NO. F263B-R
SAN GABRIEL RIVER
at
Beverly Boulevard
Storm of Feb. 28 - March 1, 1957
DISCHARGE IN SECOND-FEET
3600
3200
2800
2400
2000
1600
1200
800
400
0
METER RATED FLOW
4
6
8
10
MID
2
4
6
8
10
NOON
MARCH 1
2

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 2 MILES EAST OF DOWNEY. ELEVATION OF ZERO GAGE HEIGHT. 105.00.

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: INSTALLED ON FEBRUARY 27, 1937. REMOVED ON MARCH 2, 1938 AND WAS REINSTALLED ON APRIL 4, 1938. STATION REMOVED MARCH 22, 1949 TO PERMIT REMOVAL OF BRIDGE. REINSTALLED JANUARY 26, 1951 OVER AN 18-INCH DIAMETER STILLING WELL BUILT IN DOWNSTREAM END OF BRIDGE PIER. AN H.C.F. RECORDER WAS IN SERVICE FROM OCTOBER 1, 1955 TO DECEMBER 11, 1956 AND AN AU RECORDER FROM DECEMBER 11, 1956 TO SEPTEMBER 30, 1957.

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, 1957.

EXTREMES OF DISCHARGE:
1955-56
MAXIMUM 12,840 SECOND-FEET JANUARY 26.
MINIMUM NO FLOW MOST OF YEAR.
1956-57
MAXIMUM 2040 SECOND-FEET JANUARY 13.
MINIMUM NO FLOW MOST OF YEAR.
1937-57
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, 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.	D. HT. CHANGE TOTAL	METER NO.
462	1/26	0326 / 0335	BONADIMAN-FALCONE	80.0	93.7	5.30	8.76	497.		.6	7	+.03	FC19
463	1/26	1148 / 1215	" "	241.0	440.	7.59	10.42	3340.		.6	10	+.04	"
464	1/27	1215 / 1230	SADDORIS	96.	92.4	2.17	7.20	200.		.6	17	-.16	FC29

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER

AT NEAR Florence Avenue DURING THE YEAR ENDING SEPTEMBER 30, 1957

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.
465	1/13	0848 / 0857	BONADIMAN-WOOD	98.0	177.	3.86	8.00	685.		.6	9	-.06	FC19
466	1/13	1447 / 1454	" "	32.0	43.1	3.06	6.50	132.		.6	5	0	"
467	2/23	1223 / 1235	" "	54.0	53.4	4.90	7.06	261.		.6	8	+.03	"
468	3/1	1145 / 1155	ROY-BONADIMAN	38.0	17.8	0.88	6.43	15.6		.6	10	0	"
469	3/16	1455 / 1504	MC BRIDE-BONADIMAN	23.0	11.2	2.90	6.76	32.4		.6	8	+.01	"

76DT4M Gb 12-53

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, 1956

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	4580	0	0	0	0	0	0	0	0
27	0	0	0	572	0	0	0	0	0	0	0	0
28	0	0	0	72	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	5224.0	0	0	0	0	0	0	0	0
MEAN	0	0	0	169.	0	0	0	0	0	0	0	0
ACRE-FEET	0	0	0	10360.	0	0	0	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 14.3
ACRE-FEET 10,360.

FEDTAM Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

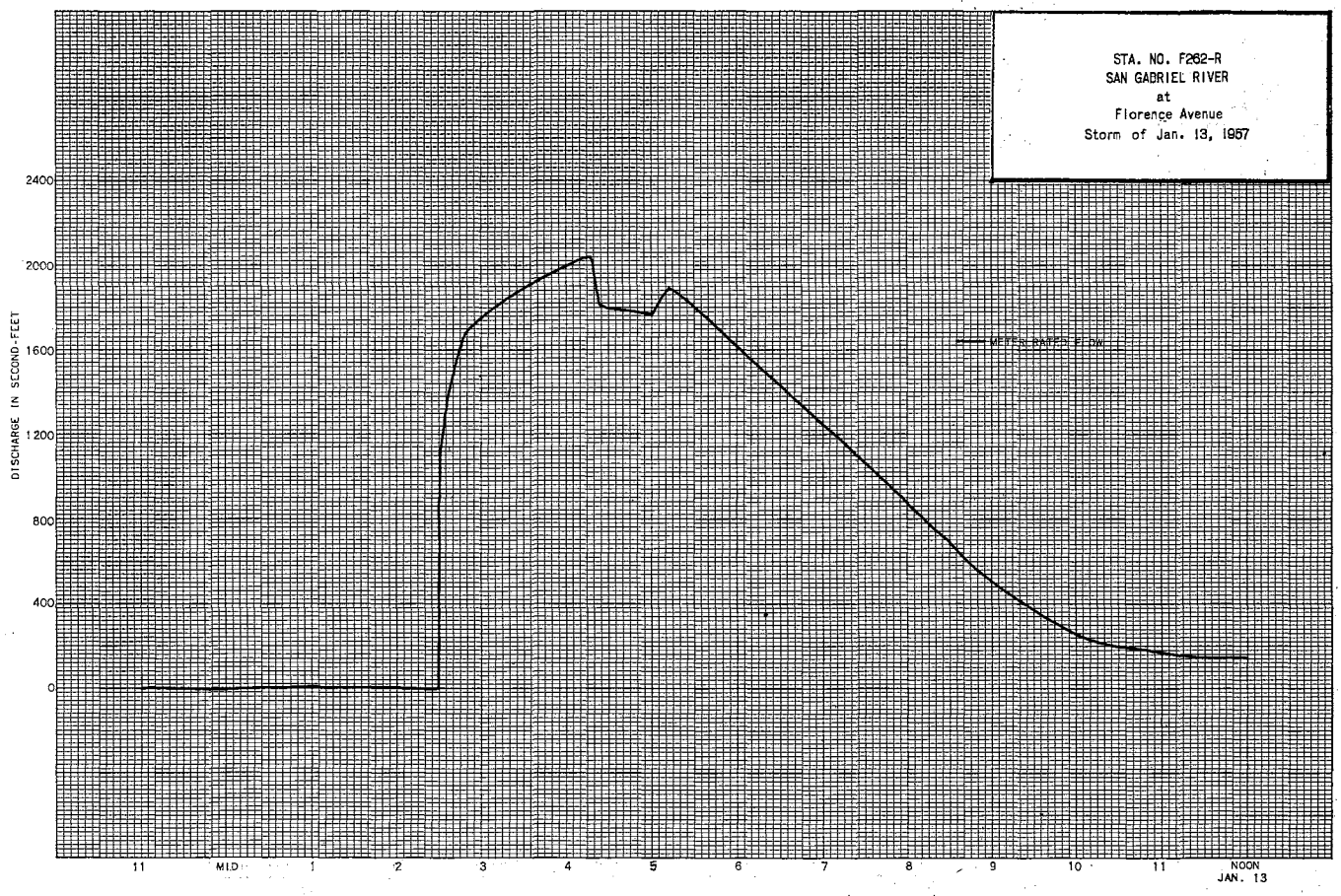
Sta. No. F262-R

Daily discharge, in second-feet of SAN GABRIEL RIVER at Florence Avenue, for the year ending September 30, 19 57

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	125	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	490	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	12	0	0	0	0	0	0
17	0	0	0	0	0	0.4	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	22	0	0	0	0	0
21	0	0	0	0	0	0	6.0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	42	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	490	42	137.4	28.0	0	0	0	0	0
MEAN	0	0	0	11.1	1.50	4.43	0.93	0	0	0	0	0
ACRE-FEET	0	0	0	980.	83.	272.	56.	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 1.91
ACRE-FEET 1390.



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 4 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: INSTALLED FEBRUARY 6, 1928, REMOVED MAY 4, 1951 FOR CONSTRUCTION OF NEW BRIDGE. REINSTALLED APRIL 9, 1952 OVER AN 18-INCH DIAMETER STILLING WELL BUILT IN DOWNSTREAM END OF BRIDGE PIER. A STEVENS TYPE A35-B RECORDER IN SERVICE FROM OCTOBER 1, 1955 TO SEPTEMBER 30, 1957.

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, 1957. (FOR PERIODS PRIOR TO FEBRUARY 1928, SEE STATE DIVISION OF WATER RIGHTS BULLETINS.)

EXTREMES OF DISCHARGE:
1955-56
MAXIMUM 12,540 SECOND-FEET JANUARY 26.
MINIMUM NO FLOW MOST OF YEAR.
1956-57
MAXIMUM 1760 SECOND-FEET JANUARY 13.
MINIMUM NO FLOW MOST OF YEAR.
1927-57
MAXIMUM 27,000 SECOND FEET ESTIMATED MARCH 2, 1938.
MINIMUM NO FLOW MOST OF EACH YEAR.

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 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.
375	1/26	2005 / 2030	BONADIMAN-FALCONE	178.	625.	11.0	10.11	6860.		.6	10	-.08	FC19
376	1/27	1240 / 1248	" "	174.	137.	2.45	6.90	336.		.6	11	0	"
377	1/28	1505 / 1507	SADDORIS	4.0	0.79	1.23	5.97	0.97		.5	4	0	FC29
378	1/29	1705 / 1708	FALCONE	3.0	0.24	0.83	5.88	0.20		.5	3	0	FC19
379	3/1	1630 / 1637	SJOSTEDT	6.0	0.84	0.71	5.93	0.60		.5	7	0	"

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER
AT ~~NEAR~~ Spring Street 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.	G. HT. CHANGE TOTAL	METER NO.
380	1/13	0712 / 0725	BONADIMAN-WOOD	148.	305.	5.05	7.83	1540.		.6	10	+.05	FC19
381	1/13	1324 / 1331	" "	56.0	109.	3.54	6.86	385.		.6	8	-.03	"
382	3/1	1100 / 1170	ROY-BONADIMAN	31.0	33.0	2.88	6.37	95.1		.6	7	0	"
383	3/1	1715 / 1725	ROY	28.0	22.6	0.64	6.04	14.4		.6	8	0	"

TEDTAM Cib 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F42-R

Daily discharge, in second-feet of SAN GABRIEL RIVER at Spring 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 1	0 3	0	0	0	0	0	0
2	0	0	0	0	0	0 1	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	4300	0	0	0	0	0	0	0	0
27	0	0	0	417	0	0	0	0	0	0	0	0
28	0	0	0	16	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	1 0		0		0		0	0	
	0	0	0	4734.0	0 1	0 4	0	0	0	0	0	0
MEAN	0	0	0	153.	0.003	0.13	0	0	0	0	0	0
ACRE-FEET	0	0	0	9390.	0.2	0.8	0	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 12.9
ACRE-FEET 9,390.

76D74M Cab 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

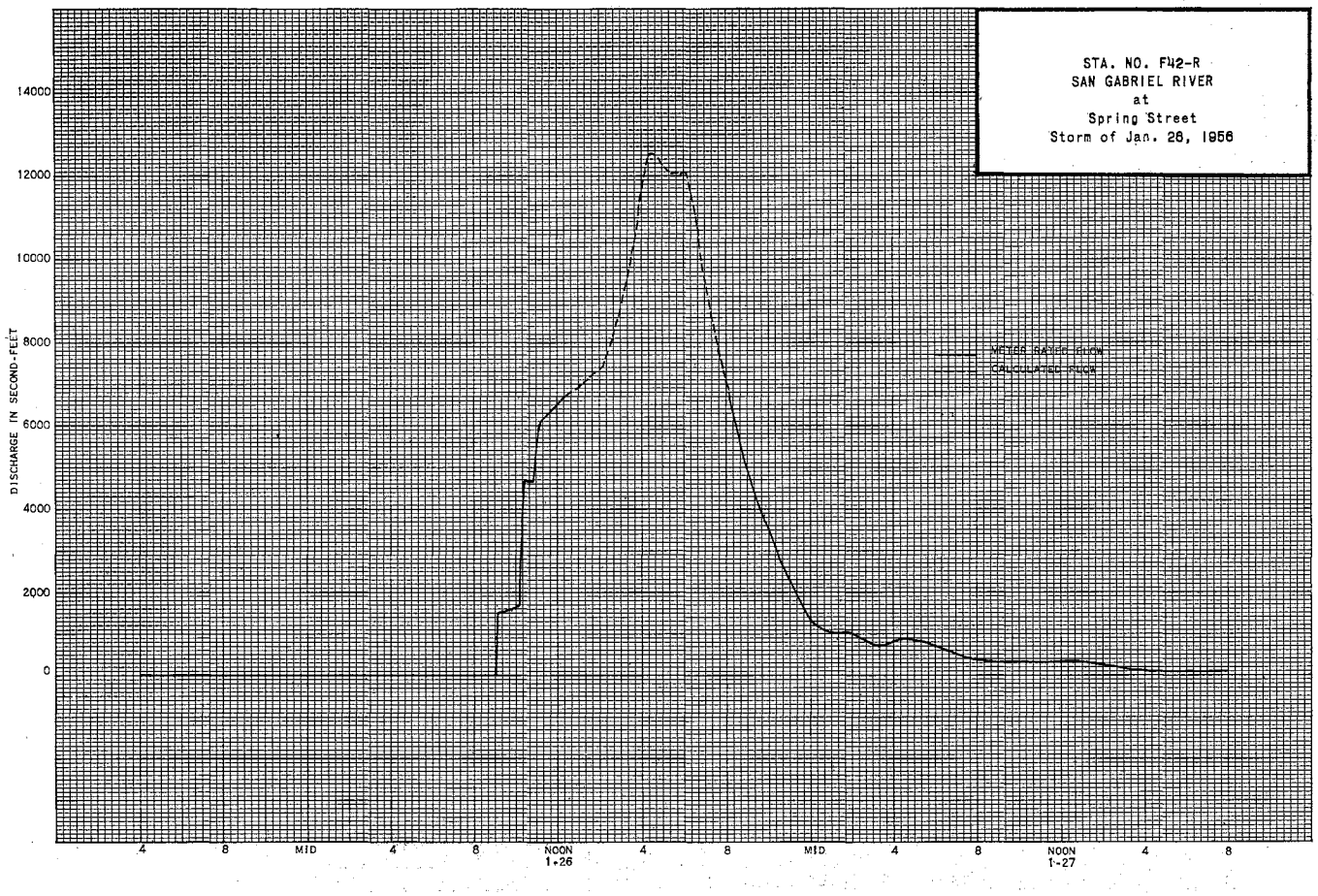
Sta. No. F42-R

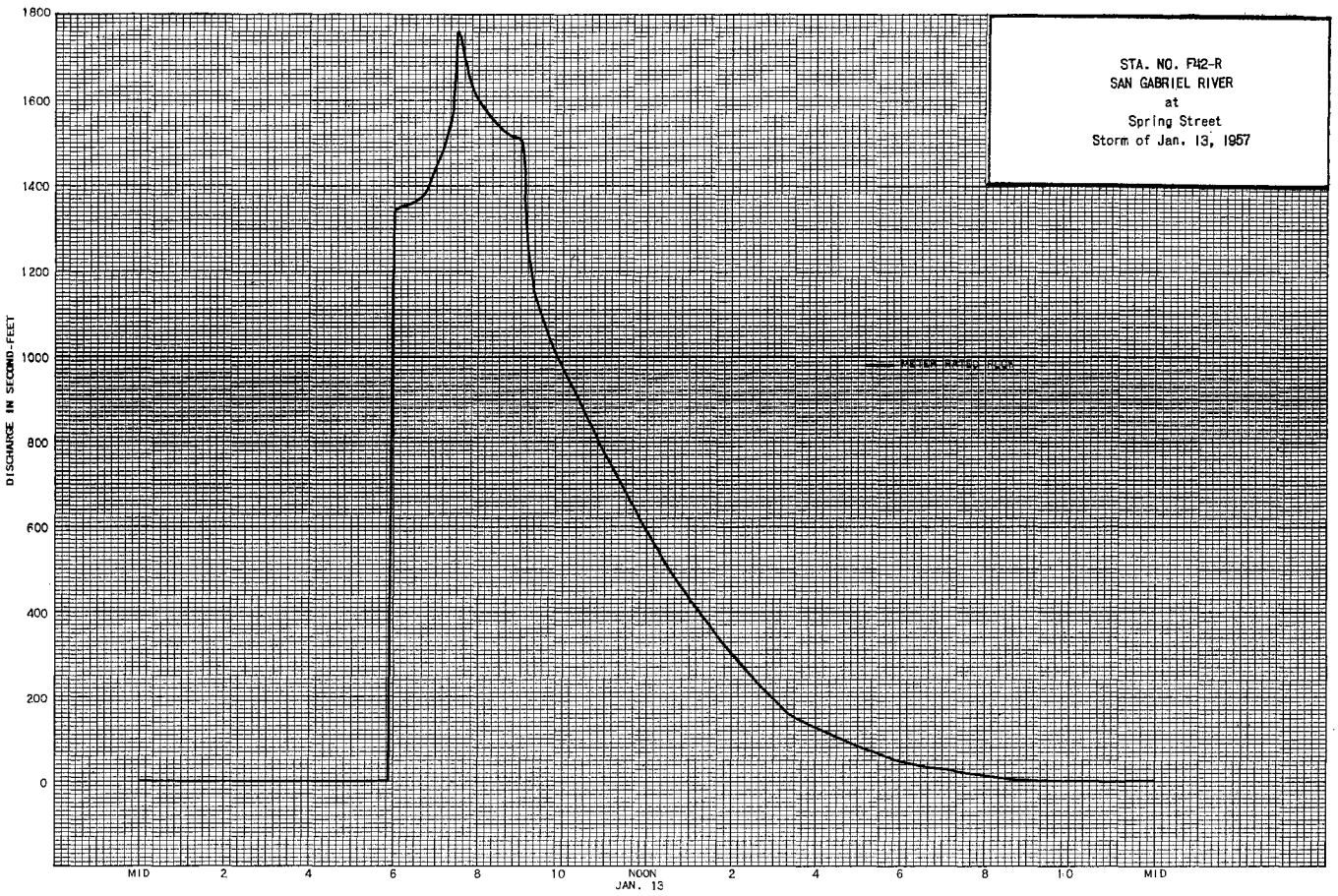
Daily discharge, in second-feet of SAN GABRIEL RIVER at Spring Street, for the year ending September 30, 19 57

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	57	0	0	0	0	0	0
2	0	0	0	0	0	0.5	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	393	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	0.6	0	0	0	0	0	0	0
24	0	0	0	0	0.3	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	393	0.9	57.5	0	0	0	0	0	0
MEAN	0	0	0	12.7	0.04	1.85	0	0	0	0	0	0
ACRE-FEET	0	0	0	780.	1.8	114.	0	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 1.24
ACRE-FEET 896.





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: INSTALLED SEPTEMBER 13, 1955 OVER A 48-INCH DIAMETER CONCRETE STILLING WELL. AN AU CONTINUOUS RECORDER IN SERVICE FROM SEPTEMBER 13, 1955, TO SEPTEMBER 30, 1957.

REGULATION: PARTIALLY REGULATED BY THOMPSON CREEK DAM.

DIVERSIONS: DIVERSION UPSTREAM DESIGNED FOR FIRST 200 SECOND-FEET OF FLOW TO GO INTO SAN JOSE CREEK.

RECORDS AVAILABLE: SEPTEMBER 13, 1955 TO SEPTEMBER 30, 1957.

EXTREMES OF DISCHARGE:

1955-56
MAXIMUM 5180 SECOND-FEET JANUARY 26.
MINIMUM NO FLOW MOST OF YEAR.

1956-57
MAXIMUM 1410 SECOND-FEET MARCH 1.
MINIMUM NO FLOW MOST OF YEAR.

ACCURACY: FAIR.

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

~~AT~~ above Workman Mill Road 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.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1	1/5	1245 / 1310	FALCONE-SADDORIS		CHANNELS		5.63	6.6		.5	15	-.03	FC55
2	1/10	0830 / 0854	MIDDLETON-MC BRIDE		"		5.91	47.0		.6	25	+.03	FC54
3	1/12	2350 / 0020	TREAT-LITCHFIELD	152.	124.	2.72	6.72	338.		.6	28	+.20	FC45
4	1/13	0530 / 0555	" "	152.	169.	3.10	6.90	524.		.6	27	+.08	"
5	2/23	0750 / 0820	" "		CHANNELS		6.68	391.		.6	35	-.13	"
6	3/1	0245 / 0315	" "		"		6.04	149.		.6	34	-.20	"
7	3/16	0950 / 1003	ROY-FALCONE		"		5.66	53.8		.6	22	-.05	FC51

FEDTAM C&L 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, 19 56

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	4.2	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	8.3	0	0	0	0	0
13	0	0	0	0	0	0	8.0	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	35	0	0	0	0	0	0	0	0
26	0	0	0	1830	0	0	0	0	0	0	0	0
27	0	0	0	167	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	2032.	0	0	163	0	0	0	0	0
MEAN	0	0	0	65.5	0	0	0.54	0.14	0	0	0	0
ACRE-FEET	0	0	0	4030.	0	0	32.	8.3	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 5.61
ACRE-FEET 4070.

FEDTAM C&L 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

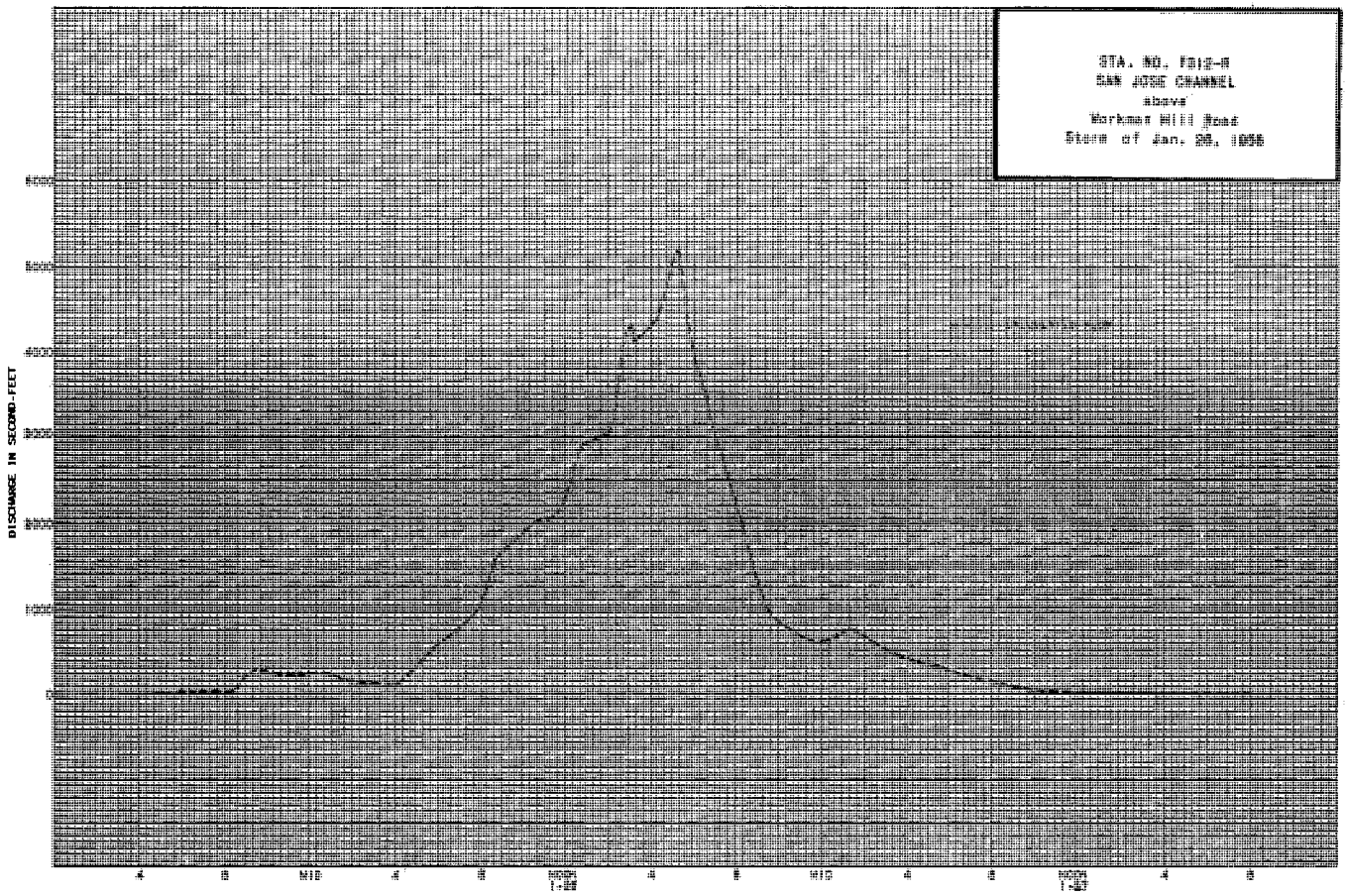
Sta. No. F312-R

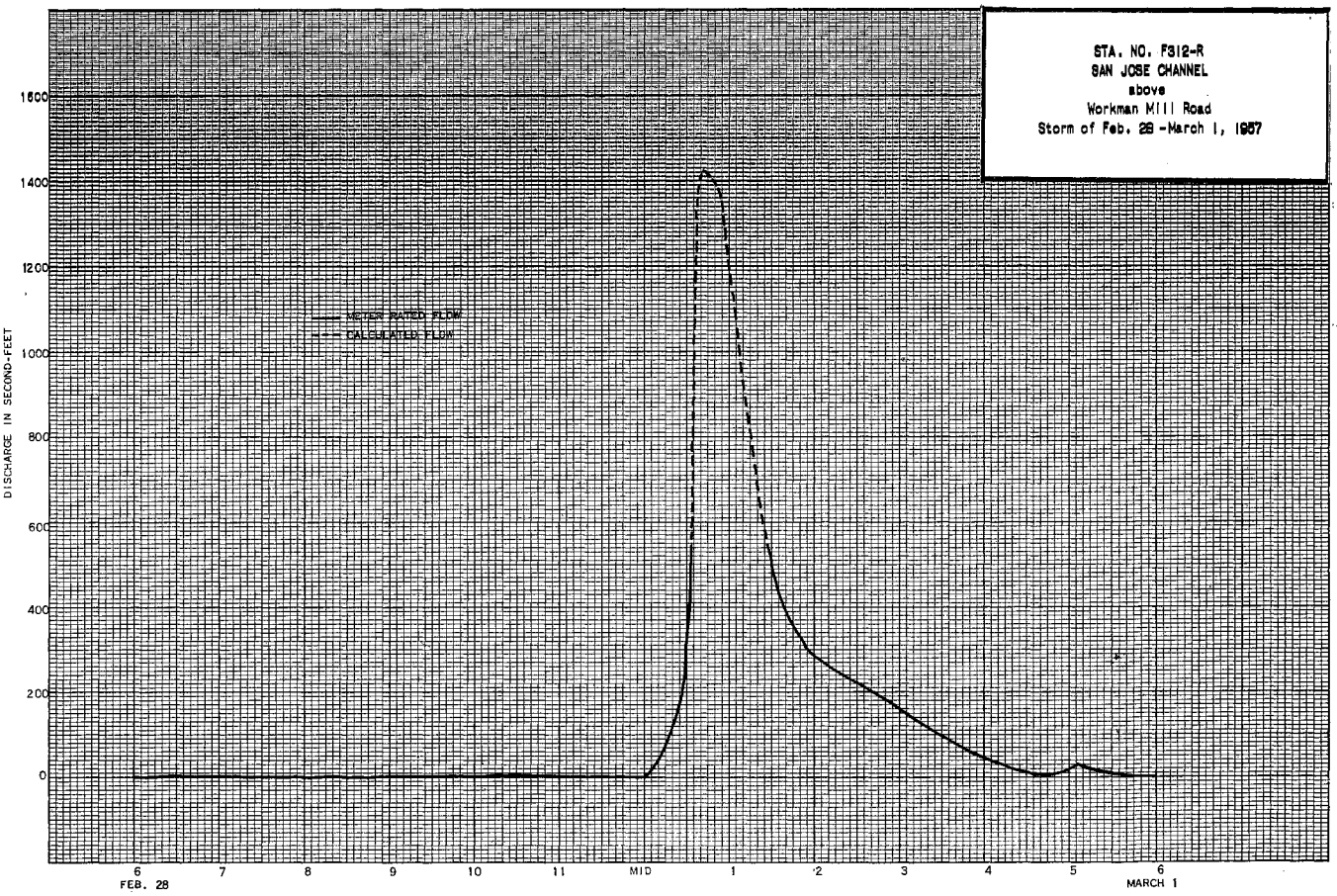
Daily discharge, in second-feet of SAN JOSE CHANNEL above Workman Mill Road, for the year ending September 30, 19 57

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	94	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	1.1	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	13	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	+	0	0	0	0
12	0	0	0	12	0	0	0	0	0	0	0	0
13	0	0	0	190	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	16	0	0	0	0	0	0
17	0	0	0	0	0	0	+	0	0	0	0	0
18	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	8.6	0	0	0	0	0
21	0	0	0	0	0	0	0.9	+	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	63	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	2.1	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	0.3	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	2182	633	110	95	0	0	0	0	0
MEAN	0	0	0	7.04	2.26	3.55	0.32	+	0	0	0	0
ACRE-FEET	0	0	0	433.	126.	218.	19.	+	0	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 1.10
ACRE-FEET 796.


STA. NO. F312-R
SAN JOSE CHANNEL
above
Workman Mill Road
Storm of Jan. 22, 1956
DISCHARGE IN SECOND-FEET


STA. NO. F312-R
SAN JOSE CHANNEL
above
Workman Mill Road
Storm of Feb. 28 -March 1, 1957
METER RATED FLOW
CALCULATED FLOW
DISCHARGE IN SECOND-FEET
1600
1400
1200
1000
800
600
400
200
0
6
7
8
9
10
11
MID
1
2
3
4
5
6
FEB. 28
MARCH 1

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 3 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: INSTALLED JANUARY 2, 1929 OVER AN 18-INCH DIAMETER CORRUGATED IRON PIPE STILLING WELL. AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1955 TO SEPTEMBER 30, 1957.

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, 1957. (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 ANC F312-R SAN JOSE CHANNEL AFTER OCTOBER 1, 1955, TO ARRIVE AT FLOW CONDITIONS PRIOR TO THIS DATE.

EXTREMES OF DISCHARGE:
1955-56
MAXIMUM 198 SECOND-FEET JANUARY 26.
MINIMUM PLUS FLOW PART OF THE YEAR.
1956-57
MAXIMUM 135 SECOND-FEET MARCH 1.
MINIMUM PLUS FLOW PART OF THE YEAR.
1928-57
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 ~~NEAR~~ 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.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1243	10/6	1550 / 1555	WADDICOR	2.3	0.55	0.44	1.39	0.24		.5	6	0	FC52
1244	10/13	1528 / 1528	"	2.5	0.47	0.45	1.39	0.21		.5	6	0	"
1245	10/21	0820 / 0825	"	2.5	0.55	0.36	1.40	0.20		.5	6	0	"
1246	10/27	1025 / 1030	"	2.5	0.63	0.51	1.42	0.32		.5	6	0	"
1247	11/3	1245 / 1250	WADDICOR-GODFREY	4.0	0.64	0.36	1.47	0.23		.5	6	0	FC-37
1248	11/10	1137 / 1142	WADDICOR	3.0	0.42	0.48	1.47	0.20		.5	7	0	"
1249	11/14	1155 / 1205	WADDICOR-KESTEL	21.5	13.2	1.45	2.12	19.2		.6	9	-.02	"
1250	11/17	1447 / 1452	" "	2.0	0.45	0.73	1.51	0.33		.5	5	0	"
1251	11/23	1543 / 1548	WADDICOR	3.5	0.61	0.61	1.48	0.37		.5	6	0	"
1252	12/2	1140 / 1153	"	11.0	4.40	1.93	1.88	8.5		.6	12	0	"
1253	12/8	1458 / 1502	"	1.4	0.15	0.21	1.46	0.31		.5	3	0	"
1254	12/16	0858 / 0903	"	1.7	0.33	0.85	1.43	0.28		.5	4	0	"
1255	12/22	0935 / 0940	"	2.0	0.43	0.54	1.45	0.23		.5	5	0	"
1256	12/29	1508 / 1513	"	2.5	0.44	0.54	1.44	0.24		.5	6	0	"
1257	1/5	1535 / 1540	"	4.0	0.94	0.41	1.46	0.39		.5	5	0	"
1258	1/12	1440 / 1445	WADDICOR-SADDORIS	1.10	0.20	0.20	1.45	0.04		.6	5	0	FC52
1259	1/19	1518 / 1524	WADDICOR	1.5	0.26	0.19	1.45	0.05		.5	4	0	"
1260	1/25	2105 / 2120	TREAT-LEVY	56.0	38.3	2.96	2.42	75.0		.6	23	0	FC45
1261	1/26	0020 / 0030	" "	56.0	39.5	1.99	2.43	78.6		.6	20	0	"
1262	1/26	1000 / 1015	" "	57.0	52.0	2.50	2.67	130.		.6	20	+.06	"
1263	1/26	1825 / 1850	" "	56.0	48.2	2.57	2.66	124.		.6	20	-.01	"
1264	1/30	1438 / 1447	WADDICOR	3.1	1.28	1.87	1.49	2.4		.6	5	0	FC37
1265	1/31	1435 / 1445	WADDICOR-KESTEL	15.0	9.25	0.96	1.72	8.9		.6	9	-.01	FC37
1266	2/2	1533 / 1542	WADDICOR	4.0	1.34	1.27	1.30	1.7		.6	5	0	"
1267	2/9	1515 / 1520	"	2.0	0.24	0.75	1.14	0.18		.6	5	0	"
1268	2/16	1507 / 1512	WADDICOR	2.5	0.42	1.02	1.13	0.43		.5	6	0	"
1269	2/24	1210 / 1218	WADDICOR-SJOSTEDT	4.0	0.75	0.59	1.19	0.44		.6	8	0	"
1270	3/1	1605 / 1610	WADDICOR	4.0	0.62	0.63	1.12	0.39		.6	5	0	"
1271	3/8	1449 / 1457	"	3.0	0.53	0.68	1.13	0.36		.5	6	0	"
1272	3/15	1402 / 1407	"	3.8	0.67	0.48	1.20	0.32		.5	5	0	"
1273	3/23	0838 / 0843	"	2.5	0.48	0.98	1.15	0.47		.5	6	0	"
1274	3/30	0940 / 0945	"	2.0	0.32	0.50	1.03	0.16		.6	5	0	FC52
1275	4/5	1525 / 1528	WADDICOR-WOOD	1.0	0.10	0.70	1.05	0.07		.5	3	0	FC37
1276	4/19	1648 / 1651	WADDICOR	1.0	0.20	0.95	0.99	0.19		.5	3	0	"
1277	4/27	1420 / 1426	"	4.0	1.24	1.13	1.09	1.04		.5	5	0	"
1278	5/3	1517 / 1522	"	4.0	1.00	0.97	0.97	0.97		.5	5	0	"
1279	5/18	0840 / 0845	SADDORIS	1.6	0.29	0.55	0.96	0.16		.5	4	0	FC55
1280	5/25	1324 / 1329	WADDICOR	3.0	0.42	0.88	0.93	0.37		.6	4	0	FC37
1281	5/31	1510 / 1514	"	1.0	0.14	0.71	0.89	0.10		.6	3	0	FC52
1282	6/7	1518 / 1523	"	2.0	0.32	0.94	0.96	0.30		.5	5	0	"
1283	6/14	1418 / 1422	"	1.8	0.25	0.84	1.00	0.21		.5	4	0	"
1284	6/21	1420 / 1426	"	2.5	0.37	0.30	0.99	0.11		.5	5	0	"
1285	6/28	1459 / 1502	"	1.2	0.13	0.77	1.02	0.10		.5	5	0	"
1286	7/5	1403 / 1408	"	2.5	0.33	0.36	1.12	0.12		.5	6	0	"
1287	8/9	1426 / 1432	"	3.0	0.48	0.46	1.34	0.22		.5	6	0	"
1288	8/16	1427 / 1432	WADDICOR-ROY	2.0	0.57	0.40	1.24	0.23		.5	4	0	"

DISCHARGE MEASUREMENTS OF SAN JOSE CREEK

AT OR NEAR Workman Mill Road DURING THE YEAR ENDING SEPTEMBER 30, 1957

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.
1289	10/10	1515 / 1520	WADDICOR	4.0	0.84	0.42	1.20	0.35		.5	5	0	FC37
1290	10/18	1438 / 1445	"	4.0	0.68	0.50	1.18	0.34		.6	6	0	FC52
1291	10/26	1012 / 1015	STUNDEN		CHANNELS			1.15	0.20		.5	5	0	FC37
1292	12/11	1535 / 1540	WADDICOR	3.0	0.36	0.44	1.05	0.16		.6	4	0	FC52
1293	1/5	1225 / 1235	SADDORIS-FALCONE	20.8	14.8	1.36	2.00	20.1		.6	11	+.01	FC55
1294	1/10	0938 / 0958	MIDDLETON-MC BRIDE		CHANNELS			2.48	63.0		.6	21	+.02	FC54
1295	1/11	1415 / 1426	ROY-WADDICOR	10.5	2.01	0.40	1.30	0.80		.6	10	0	FC52
1296	1/13	0105 / 0120	TREAT-LITCHFIELD	56.0	43.5	1.86	2.60	81.0		.6	22	0	FC45
1297	1/14	1453 / 1508	WADDICOR	4.1	1.08	0.93	1.33	1.0		.6	9	0	FC37
1298	1/17	1545 / 1554	WOOD-WADDICOR	5.3	1.74	1.09	1.40	1.9		.6	8	0	FC52
1299	1/21	1512 / 1519	WADDICOR	4.8	1.54	0.65	1.34	1.0		.6	6	0	FC37
1300	1/24	1554 / 1558	WADDICOR-MC BRIDE	5.0	1.59	1.13	1.38	1.8		.5	6	0	"
1301	2/6	1304 / 1317	BROOK-WADDICOR	3.2	0.57	0.33	1.16	0.19		.5	8	0	FC52
1302	2/14	1250 / 1255	WADDICOR	4.0	0.66	0.48	1.30	0.32		.6	5	0	"
1303	2/21	1548 / 1553	"	3.0	0.42	0.43	1.18	0.18		.6	4	0	"
1304	2/24	1105 / 1115	WADDICOR-ROY	11.0	4.98	0.54	1.46	2.7		.6	9	0	FC37
1305	2/28	1535 / 1540	SADDORIS-FALCONE	13.5	2.68	0.52	1.36	1.4		.5	7	0	FC55
1306	3/1	1327 / 1336	WADDICOR-WOOD	15.5	10.7	1.36	1.84	14.7		.6	11	+.01	FC37
1307	3/6	1031 / 1038	WADDICOR	2.0	0.31	0.97	1.12	0.30		.6	5	0	FC52
1308	3/15	0840 / 0857	"	4.0	0.62	0.69	1.29	0.43		.6	8	0	"
1309	3/16	0925 / 0938	ROY-FALCONE	36.0	28.9	1.53	2.40	44.1		.6	10	+.04	FC51
1310	3/21	1541 / 1547	WADDICOR	5.0	0.98	0.46	1.27	0.45		.6	6	0	FC52
1311	3/29	0838 / 0843	"	5.6	1.6	0.68	1.30	1.4		.6	7	+	"

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.
1312	4/4	1520 / 1525	WADDICOR	4.8	1.25	0.96	1.48	1.2		.6	6	0	FC52
1313	4/11	1330 / 1338	"	6.8	2.30	0.65	1.76	1.5		.6	8	0	"
1314	4/19	1248 / 1255	WADDICOR-ROY	6.0	1.64	0.98	1.52	1.6		.6	7	0	FC37
1315	4/25	1510 / 1520	WADDICOR	6.4	1.95	0.97	1.67	1.9		.6	8	0	FC52
1316	4/29	1353 / 1359	"	6.8	2.24	0.96	1.42	1.7		.6	8	0	"
1317	5/2	1542 / 1549	"	5.0	1.28	0.86	1.68	1.1		.6	6	0	"
1318	5/9	1510 / 1520	"	6.5	2.41	0.54	1.57	1.3		.6	8	0	"
1319	6/16	1511 / 1517	WADDICOR	5.0	1.10	0.84	1.42	0.92		.6	6	0	"
1320	5/23	1450 / 1508	BROOK-WADDICOR	5.2	1.68	1.19	1.77	2.0		.6	12	+.06	"
1321	5/29	1325 / 1334	WADDICOR	6.0	1.79	0.76	1.33	1.3		.6	7	0	"
1322	6/6	1440 / 1450	"	4.8	1.54	0.62	1.40	0.96		.6	6	0	"
1323	6/13	1420 / 1425	"	5.3	1.47	0.53	1.39	0.78		.6	8	0	"
1324	6/20	1515 / 1525	ROY-GARDNER	3.7	0.40	0.48	1.31	0.19		.6	8	0	"
1325	6/27	1438 / 1435	ROY-WADDICOR	2.5	0.41	0.63	1.36	0.26		.5	6	0	"
1326	7/3	1534 / 1538	ROY	2.0	0.23	0.52	1.25	0.12		.5	5	0	"
1327	7/11	1535 / 1541	"	2.0	0.30	0.43	1.22	0.13		.5	5	0	"
1328	7/18	1443 / 1448	WADDICOR	2.0	0.28	0.50	1.30	0.14		.5	5	0	"
1329	8/8	1451 / 1459	WADDICOR-BLAKELY	2.7	0.42	0.43	1.28	0.17		.5	5	0	"
1330	8/15	1520 / 1527	WADDICOR	2.4	0.40	0.50	1.22	0.20		.5	6	0	"
1331	8/22	1720 / 1725	"	2.5	0.40	0.58	1.23	0.23		.5	5	0	"
1332	9/13	0805 / 0815	"	1.5	0.20	0.40	1.27	0.08		.5	4	0	"
1333	9/19	1605 / 1615	"	2.0	0.28	0.43	1.29	0.12		.5	5	0	"
1334	9/26	1605 / 1610	ROY	1.5	0.12	0.58	1.24	0.07		.5	6	0	"

FORM Cib 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F18-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	0.4	0.2	0.2	0.2	1.8	0.4	b 0.2	0.7	0.2	0.2	0.1	0.1
2	0.2	0.2	4.7	0.2	1.8	0.4	— 0.1	0.7	0.2	0.2	+	0.1
3	0.2	0.2	0.6	0.2	0.7	0.4	— 0.1	1.1	0.1	0.1	+	0.1
4	0.2	0.2	0.2	0.4	0.5	0.4	— 0.1	1.1	0.1	0.1	0.1	0.1
5	0.2	0.1	0.1	0.4	0.3	0.4	b 0.1	0.9	0.1	0.1	0.2	0.1
6	0.2	+	b 0.2	b 0.2	b 0.2	0.4	— 0.1	0.6	0.2	0.1	0.3	0.1
7	0.2	—	b 0.3	— 0.2	— 0.2	0.4	— 0.1	0.5	0.3	0.1	0.3	+
8	0.1	—	0.4	— 0.2	— 0.2	0.4	— 0.1	0.4	0.3	0.1	0.2	—
9	0.1	+	0.6	— 0.2	— 0.2	0.4	— 0.1	33	0.3	+	0.2	—
10	0.1	0.2	0.6	— 0.1	b 0.2	0.4	— 0.1	1.4	0.2	0.1	0.2	—
11	0.1	0.6	0.6	— 0.1	— 0.3	0.4	— 0.1	0.2	0.2	0.1	0.2	—
12	+	0.6	0.6	b 0.1	— 0.3	0.4	37 —	0.3	0.2	+	0.2	—
13	0.1	0.2	0.4	— 0.1	— 0.3	0.4	44 —	0.2	0.2	—	0.2	—
14	0.6	8.4	0.4	b 0.1	— 0.4	0.4	2.9 b	0.2	0.2	—	0.2	—
15	0.8	0.9	0.2	— 0.1	— 0.4	0.3	— 0.3	— 0.1	0.2	—	0.2	—
16	0.8	b 0.5	0.2	— +	— 0.4	0.3	b — 0.2	— 0.1	0.2	—	0.2	—
17	0.8	0.4	0.2	— —	— 0.4	0.4	— — 0.2	— 0.1	0.2	—	0.2	—
18	0.6	0.1	0.2	— —	— 0.4	0.3	— 0.2	b 0.2	0.2	+	0.2	—
19	0.4	+	0.2	b +	— 0.4	0.3	b — 0.2	— 0.2	0.2	0.1	0.1	—
20	0.2	0.1	0.2	— 0.2	— 0.4	0.2	— 0.2	— 0.2	0.1	0.1	0.1	—
21	0.2	1.5	0.2	— 0.4	— 0.4	0.2	— 0.2	— 0.2	0.1	0.1	0.1	—
22	0.4	4.5	0.2	— 0.4	— 0.4	0.5	— 0.2	— 0.2	0.1	0.1	+	—
23	0.2	0.8	0.2	— 0.2	— 0.4	0.6	b — 0.2	b 0.3	0.1	0.1	+	—
24	0.2	0.2	0.2	b — 0.2	— 0.4	0.4	b — 0.1	b 0.3	0.1	0.1	0.1	—
25	0.2	0.1	0.2	— 17	— 0.4	0.4	b — 0.1	b 0.4	0.1	+	0.1	—
26	0.2	0.1	0.2	123	— 0.4	0.3	11 —	0.4	0.1	+	0.1	—
27	0.4	0.4	0.2	60	— 0.4	0.3	— 4.1	0.3	0.1	+	0.1	—
28	0.4	+	0.2	13	— 0.4	b 0.3	— 0.8	0.2	0.1	0.1	0.1	—
29	0.4	0.2	0.2	3.9	— 0.4	— 0.2	— 0.7	0.2	0.1	0.1	0.1	—
30	0.4	0.2	0.2	2.6	—	— 0.2	— 0.6	0.1	0.2	0.1	+	+
31	0.2		0.2	1.4	—	b 0.2	—	0.1		0.1	+	
	95		133		134		1044		50		41	
		209		237.7		110		449		22		06
MEAN	0.31	0.70	0.43	7.67	0.46	0.35	3.48	1.45	0.17	0.07	0.13	0.02
ACRE-FEET	19.	41.	26.	471.	27.	22.	207.	89.	9.9	4.4	8.1	1.2

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 1.28 ACRE-FEET 926.

FORM Cfb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

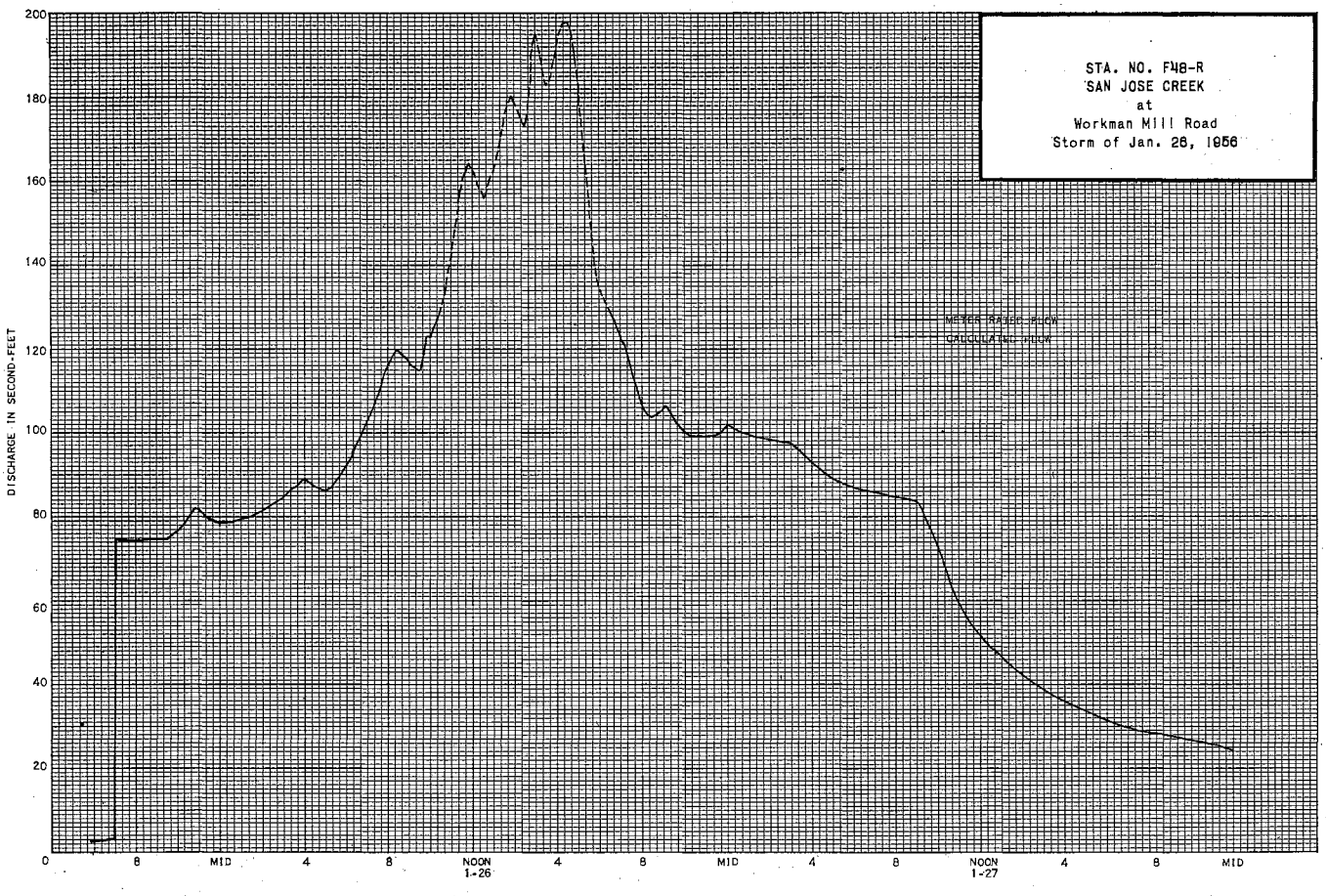
Sta. No. F48-R

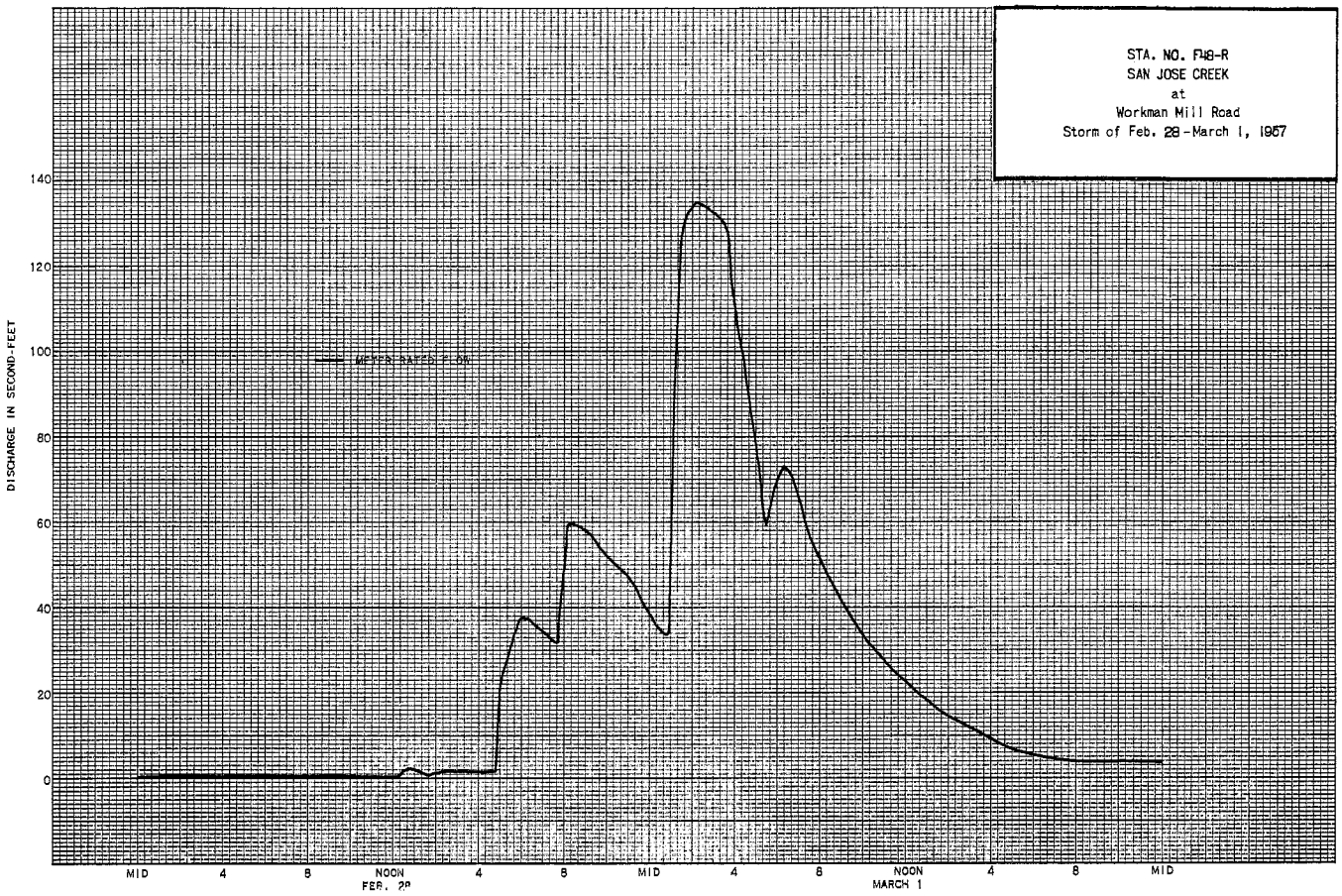
Daily discharge, in second-feet of SAN JOSE CREEK at Workman Mill Road, for the year ending September 30, 19 57

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	+	+	+	0.4	40	0.6	a 2.1	0.9	a 0.2	+	0.1
2	+	|	|	|	b 0.3	1.7	0.7	a 2.3	1.3	a 0.1	+	0.1
3	+	|	|	|	0.3	b 0.4	0.6	2.5	1.1	0.1	0.2	0.1
4	6.6	|	|	+	0.2	0.4	0.6	1.8	1.3	0.1	0.2	0.1
5	0.5	|	+	7.7	b 0.2	0.3	0.8	1.2	1.3	b 0.1	0.2	0.1
6	0.4	|	0.1	0.6	0.2	b 0.3	1.0	0.6	1.0	0.1	0.2	0.1
7	0.4	|	0.1	0.3	0.2	0.6	1.0	1.0	0.8	0.1	0.2	0.1
8	0.4	|	0.1	0.5	0.2	0.4	0.8	1.1	0.8	b 0.1	0.2	0.1
9	b 0.4	|	0.1	0.3	0.2	0.5	0.7	0.9	0.7	0.1	0.2	0.1
10	0.4	|	0.1	2.7	0.2	6.4	0.7	0.5	0.7	0.1	0.2	+
11	0.4	|	0.2	1.0	0.2	0.4	0.7	6.8	0.7	0.1	0.2	0.1
12	0.4	|	0.1	1.0	0.2	0.4	0.9	18.4	0.7	0.2	0.2	0.1
13	0.4	|	0.2	4.8	0.2	0.4	0.4	1.2	0.7	0.3	0.2	0.1
14	0.4	|	0.1	1.3	0.3	0.4	0.3	1.9	0.5	0.3	0.2	0.1
15	0.4	|	0.1	0.8	0.3	0.4	0.2	3.6	0.5	0.2	0.2	0.1
16	0.4	|	0.1	0.7	0.2	21	0.2	1.2	1.2	0.2	0.2	0.1
17	0.4	|	0.1	1.1	0.2	1.0	0.2	0.9	0.4	0.2	0.2	0.1
18	0.3	|	0.1	0.9	0.2	0.3	15	0.7	0.4	0.2	0.2	0.1
19	0.3	|	0.1	0.7	0.2	0.5	3.2	16.6	0.2	0.2	0.2	0.1
20	0.3	|	+	1.4	0.2	0.6	9.2	2.5	0.2	0.2	0.2	0.1
21	0.2	|	|	2.0	0.2	0.5	28	3.6	0.2	0.2	0.2	0.1
22	0.2	|	|	0.6	0.2	0.4	8.0	1.2	0.4	0.2	0.2	0.1
23	0.2	|	|	0.6	26	0.4	2.8	1.1	0.4	0.2	0.2	0.1
24	0.2	|	|	1.3	3.3	0.5	1.6	0.9	0.4	+	0.2	0.1
25	0.2	|	|	1.3	b 0.7	0.4	1.2	0.6	0.4	|	0.3	0.1
26	0.2	|	|	30	b 0.5	0.4	1.6	0.7	0.3	|	0.4	+
27	0.2	|	|	31	b 0.4	0.4	1.3	0.8	0.3	|	0.3	+
28	0.2	|	|	47	13	0.8	1.8	1.3	a 0.3	|	0.3	0.1
29	0.1	|	|	16	|	1.1	a 1.9	1.3	a 0.2	|	0.2	0.1
30	0.1	+	|	2.1	|	1.0	a 2.0	1.0	a 0.2	|	0.2	0.1
31	0.1	|	+	0.5	|	0.9	|	0.8	|	+	0.2	|
	8.7	+	1.6	155.5	48.9	83.2	88.0	81.1	18.5	3.8	6.3	2.7
MEAN	0.28	+	0.05	5.02	1.75	2.68	2.93	2.62	0.62	0.12	0.20	0.09
ACRE-FEET	17.	+	3.2	308.	97.	165.	175.	161.	37.	7.5	12.	5.4

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 1.37
ACRE-FEET 988.





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 SEC. 10, T.1N., R.11W., AT HEAD OF HERMITS FALLS, 0.9 MILE UPSTREAM FROM BIG SANTA ANITA DAM AND 3 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 1957.

AVERAGE DISCHARGE: 41 YEARS, 5.64 SECOND-FEET.

EXTREMES:
1955-56
MAXIMUM DISCHARGE 661 SECOND-FEET JAN. 26 (GAGE HEIGHT 5.82 FEET)
MINIMUM DAILY 0.4 SECOND-FOOT OCTOBER 1-3, 7-9, 12, 13.
1956-57
MAXIMUM 169 SECOND-FEET JANUARY 13. GAGE HEIGHT 2.88 FEET.
MINIMUM DAILY 0.4 SECOND-FOOT ON MANY DAYS.
1916-57
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.

DISCHARGE MEASUREMENTS OF SANTA ANITA CREEK

AT above Santa Anita Dam 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.	D. INT. CHANGE TOTAL	METER NO.
1425	10/7		U.S.G.S.	2.1	0.51	0.86	0.91	0.44		.5	13	0	
1426	10/21		"	2.1	0.60	1.22	0.95	0.73		.5	13	0	
1427	11/3		"	2.1	0.61	1.07	0.93	0.65		.5	13	0	
1428	11/23		"	2.1	0.89	1.10	0.98	0.98		.5	13	0	
1429	11/29		"	2.1	0.85	0.96	0.97	0.82		.5	13	0	
1430	12/17		"	2.4	1.14	0.86	0.98	0.98		.5	14	0	
1431	12/29		"	2.4	1.15	1.10	0.99	1.26		.5	13	0	
1432	1/11		"	2.4	1.13	0.95	0.97	1.07		.6	14	0	
1433	1/25		"	2.4	1.35	2.04	1.08	2.75		.6	14	0	
1434	1/27		"	22.0	12.1	4.27	1.91	51.6		.6	19	+.03	
1435	2/3		"	5.7	4.02	1.41	1.34	5.68		.6	21	-.02	
1436	2/14		"	5.2	2.65	1.29	1.10	3.41		.6	21	0	
1437	2/27		"	4.9	2.75	1.55	1.09	4.27		.5/.6	20	0	
1438	3/13		"	4.8	2.27	1.12	1.04	2.55		.5/.6	17	0	
1439	3/28		"	5.0	2.26	0.94	1.00	2.13		.5/.6	20	0	
1440	4/11		"	4.7	2.18	1.09	1.01	2.38		.6	18	0	
1441	4/24		"	4.9	3.11	1.20	1.12	3.73		.6	19	0	
1442	5/7		"	4.9	3.28	1.20	1.14	3.92		.5/.6	19	0	
1443	5/22		"	4.9	3.15	1.12	1.10	3.54		.6	20	0	
1444	6/6		"	4.8	3.09	1.02	1.07	3.15		.6	18	0	
1445	6/19		"	4.8	2.99	0.92	1.05	2.75		.5/.6	20	0	
1446	7/5		"	4.8	2.77	0.76	1.01	2.12		.5/.6	19	0	
1447	7/18		"	4.8	2.67	0.60	0.97	1.60		.5/.6	19	0	
1448	8/3		"	1.9	1.12	1.41	0.97	1.58		.5/.6	10	+.01	
1449	8/14		"	4.6	2.42	0.44	0.92	1.06		.5/.6	17	0	
1450	8/29		"	2.0	1.09	1.23	0.94	1.34		.6	11	0	
1451	9/11		"	2.8	0.87	0.87	0.91	0.76		.5/.6	16	0	
1452	9/25		"	2.8	0.84	0.82	0.91	0.69		.5/.6	16	0	

DISCHARGE MEASUREMENTS OF SANTA ANITA CREEK

AT above Santa Anita Dam DURING THE YEAR ENDING SEPTEMBER 30, 1957

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.
1453	10/10		U.S.G.S.	2.6	0.56	1.68	0.95	0.94		.5	14	0	
1454	10/30		"	2.8	0.69	1.55	0.95	1.07		.5	14	0	
1455	11/13		"	2.9	0.71	1.31	0.94	0.93		.5	14	0	
1456	12/6		"	2.55	1.00	1.95	1.05	1.95		.6	15	0	
1457	1/8		"	2.8	1.13	1.45	1.01	1.64		.5	11	0	
1458	1/13		"	11.7	7.44	2.02	1.30	15.0		.6	21	-.01	
1459	1/22		"	7.0	3.68	0.68	0.90	2.50		.5/.6	17	0	
1460	2/4		"	7.3	2.60	1.06	0.92	2.75		.5	17	0	
1461	2/13		"	6.9	2.35	0.89	0.89	2.10		.5	15	0	
1462	2/24		"	10.1	4.08	1.88	1.10	7.59		.5/.6	17	0	
1463	3/5		"	9.2	3.85	1.40	1.05	5.39		.5	20	0	
1464	3/19		"	7.0	3.19	1.12	0.99	3.58		.6	25	-.01	
1465	4/3		"	7.1	2.57	1.00	0.94	2.57		.5/.6	25	0	
1466	4/23		"	7.4	3.22	0.94	0.96	3.12		.6	21	+.02	
1467	5/8		"	3.6	1.58	1.54	0.92 / 0.98	2.43		.6	13	+.06	
1468	5/22		"	4.2	2.16	1.88	1.06	4.05		.6	15	0	
1469	6/11		"	3.3	1.59	1.65	0.99	2.63		.5/.6	12	0	
1470	6/24		"	3.3	1.30	1.15	0.92	1.49		.6	12	0	
1471	7/12		"	1.7	0.71	1.71	0.89	1.28		EST .6	10	0	
1472	7/24		"	1.6	0.66	1.51	0.89	1.00		.6	9	-.04	
1473	8/6		"	1.4	0.55	1.42	0.89	0.78		.6	10	0	
1474	8/21		"	1.4	0.51	0.92	0.89	0.47		.6	10	0	
1475	9/11		"	1.3	0.35	1.66	0.90	0.58		.5/.6	8	0	

FORM G 6 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	0.6	1.7	1.3	7.0	4.0	2.8	4.0	3.4	2.0	1.2	0.9
2	0.4	0.6	1.8	1.3	6.0	3.6	2.4	3.8	3.4	2.1	1.3	0.7
3	0.4	0.6	1.2	1.3	5.3	3.8	2.3	3.6	3.2	2.1	1.3	0.7
4	0.5	0.7	1.4	1.2	4.0	3.8	2.3	3.6	3.2	2.1	1.2	0.7
5	0.6	0.6	1.4	1.2	3.6	3.6	2.3	3.6	3.2	2.0	1.1	0.7
6	0.5	0.6	1.3	1.2	3.6	3.4	2.3	3.8	3.2	2.0	1.1	0.7
7	0.4	0.6	1.2	1.2	3.6	3.4	2.3	3.7	3.0	1.8	1.1	0.7
8	0.4	0.6	1.1	1.1	3.4	3.4	2.3	3.8	2.8	1.7	1.1	0.6
9	0.4	0.6	1.1	1.1	3.4	3.2	2.3	11	2.8	1.7	1.1	0.6
10	0.5	0.6	1.1	1.1	3.4	3.0	2.3	6.6	2.8	1.5	0.9	0.6
11	0.5	0.6	1.0	1.1	3.4	3.0	2.6	5.5	2.6	1.5	0.9	0.6
12	0.4	0.7	1.0	1.1	3.4	3.0	14	5.0	2.4	1.7	1.0	0.7
13	0.4	0.8	1.0	1.1	3.4	2.8	14	4.7	2.4	1.7	0.9	0.7
14	0.5	1.9	1.0	1.1	3.4	2.8	9.7	4.3	2.4	1.5	0.9	0.7
15	0.5	1.1	1.0	1.1	3.4	2.6	7.5	4.3	2.8	1.5	0.8	0.7
16	0.6	0.9	1.0	1.1	3.4	2.4	6.0	4.0	2.6	1.4	0.8	0.7
17	0.6	0.9	1.0	1.1	3.2	2.4	5.5	4.0	2.6	1.4	0.9	0.6
18	0.5	0.9	1.0	1.0	3.2	2.4	5.2	3.8	2.6	1.3	0.8	0.6
19	0.6	0.8	1.0	1.0	3.2	2.4	5.0	3.8	2.6	1.4	0.8	0.6
20	0.6	0.8	1.0	1.0	3.2	2.4	4.7	3.8	2.6	1.4	0.8	0.7
21	0.6	1.6	1.0	1.1	3.2	2.4	4.3	3.8	2.6	1.3	0.7	0.8
22	0.6	1.2	1.1	1.1	3.2	2.4	4.0	3.8	2.6	1.3	0.7	0.7
23	0.6	1.0	1.2	1.2	12	2.4	3.8	3.6	2.4	1.3	0.6	0.6
24	0.6	1.0	1.2	1.2	6.6	2.4	3.8	3.6	2.3	1.3	0.6	0.6
25	0.5	0.9	1.4	13	4.7	2.4	3.6	3.6	2.3	1.4	0.6	0.6
26	0.6	0.8	1.4	213	4.5	2.4	7.2	3.6	2.1	1.4	0.8	0.6
27	0.6	0.8	1.4	83	4.3	2.4	5.2	3.6	2.0	1.3	1.0	0.6
28	0.6	0.8	1.4	19	4.3	2.3	4.0	3.6	2.0	1.3	1.2	0.6
29	0.6	0.8	1.3	13	4.3	2.3	4.0	3.6	1.8	1.2	1.2	0.6
30	0.5	0.8	1.3	10		2.3	4.0	3.6	1.8	1.1	1.1	0.6
31	0.6		1.3	8.9		2.3		3.6		1.1	1.1	
	16.1	25.2	37.3	3d72	123.6	87.6	141.7	130.7	78.5	47.8	29.6	19.8
MEAN	0.52	0.84	1.20	12.5	4.26	2.83	4.72	4.22	2.62	1.54	0.95	0.66
ACRE-FEET	32.	50.	74.	768.	245.	174.	281.	259.	156.	95.	59.	39.

Remarks:

YEAR MEAN 3.07
OR PERIOD ACRE-FEET 2,230

7ED714M Gb 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, 19 57

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.7	1.2	0.7	0.9	3.4	9.7	2.6	2.3	2.3	1.4	0.9	0.6
2	0.8	1.2	0.8	0.9	3.2	7.2	2.6	2.3	2.0	1.3	0.8	0.6
3	0.9	1.2	0.7	0.9	2.8	6.6	2.4	2.3	1.8	1.3	0.8	0.6
4	2.6	1.1	0.8	1.1	2.8	6.0	2.4	2.3	1.5	1.2	0.8	0.5
5	1.4	1.1	1.9	3.3	2.6	5.5	2.4	2.3	1.5	1.2	0.8	0.5
6	1.3	1.0	2.4	1.8	2.4	5.0	2.4	2.3	1.7	1.3	0.8	0.4
7	1.2	0.9	1.2	1.5	2.3	4.7	2.4	2.3	2.0	1.2	0.8	0.4
8	1.1	0.9	1.0	1.7	2.3	4.7	2.3	2.4	2.0	1.2	0.8	0.4
9	1.0	0.8	1.0	1.4	2.3	7.2	2.3	2.4	2.4	1.2	0.8	0.4
10	0.9	0.7	1.0	2.3	2.3	5.7	2.3	2.8	3.4	1.2	0.7	0.5
11	0.9	0.8	0.9	1.8	2.3	4.7	2.3	3.3	2.6	1.2	0.7	0.4
12	1.0	0.8	0.9	3.6	2.1	4.7	2.3	3.4	2.3	1.2	0.6	0.5
13	1.0	0.9	0.9	5.0	2.1	4.7	2.3	3.2	2.4	1.2	0.6	0.5
14	1.0	1.0	0.9	6.0	2.3	4.3	2.3	3.4	2.4	1.2	0.6	0.6
15	1.0	1.0	0.9	4.7	2.1	4.0	2.3	3.2	2.4	1.1	0.5	0.6
16	1.0	0.9	0.9	3.8	2.1	5.0	2.3	2.8	2.3	1.1	0.4	0.6
17	1.0	0.9	0.9	3.4	2.1	4.0	3.0	2.6	2.0	1.2	0.4	0.6
18	1.0	0.8	0.9	3.0	2.1	3.6	4.3	3.2	1.7	1.2	0.4	0.6
19	1.0	0.9	0.9	2.8	2.0	3.6	2.6	1.0	1.7	1.1	0.4	0.7
20	1.0	0.9	0.9	2.6	2.0	3.6	3.6	4.5	1.7	1.0	0.5	0.7
21	1.0	0.9	0.9	2.6	2.0	3.6	3.6	4.5	1.6	1.0	0.5	0.6
22	1.1	0.9	0.9	2.4	2.0	3.4	3.2	4.0	2.0	0.9	0.5	0.5
23	1.1	0.8	0.9	2.4	3.6	3.0	3.2	3.6	1.7	0.9	0.4	0.4
24	1.1	0.8	0.9	3.2	7.5	2.8	3.2	3.4	1.5	0.9	0.4	0.4
25	1.1	0.8	0.8	6.3	8.3	2.8	3.2	3.4	1.5	1.1	0.4	0.5
26	1.1	0.7	0.8	6.2	5.7	2.6	2.6	2.8	1.5	1.1	0.5	0.5
27	1.1	0.7	0.8	4.5	5.2	2.6	2.4	2.6	1.5	1.1	0.5	0.5
28	1.1	0.7	0.8	3.8	6.6	2.6	2.4	2.8	1.5	1.1	0.5	0.5
29	1.1	0.7	0.8	4.0		2.6	2.3	2.8	1.5	1.0	0.6	0.5
30	1.1	0.7	0.8	3.8		2.6	2.3	2.6	1.5	0.9	0.6	0.5
31	1.2		0.9	3.6		2.6		2.6		0.9	0.6	
	33.9	26.7	29.8	137.4	120.9	136.1	79.6	99.4	58.1	34.6	18.6	15.6
MEAN	1.09	0.89	0.96	4.43	4.32	4.39	2.65	3.21	1.94	1.12	0.60	0.52
ACRE-FEET	67.	53.	59.	273.	240.	270.	158.	197.	115.	69.	37.	31.

Remarks:

YEAR OR PERIOD MEAN 2.17
ACRE-FEET 1570.

STATION F11SB-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 SINCE FEBRUARY 16, 1954.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. NO FACILITIES FOR MEASURING OR RECORDING FLOWS OVER TEN SECOND-FEET.

RECORDER: INSTALLED FEBRUARY 6, 1948 OVER A 24-INCH DIAMETER CONCRETE WELL. A STEVENS TYPE L RECORDER WAS IN SERVICE FROM OCTOBER 1, 1951 TO APRIL 17, 1952. AN H.C.F. RECORDER WAS IN SERVICE FROM APRIL 17, 1952 TO FEBRUARY 16, 1954. NO RECORDER RECORD FROM FEBRUARY 16, 1954 TO SEPTEMBER 30, 1957, DUE TO SLUICING OPERATIONS.

REGULATION: FLOW ENTIRELY REGULATED BY SANTA ANITA DAM.

DIVERSIONS: NONE.

RECORDS AVAILABLE: FEBRUARY 6, 1948 TO SEPTEMBER 30, 1957. EARLIER RECORDS ARE AVAILABLE FROM DAM OUTFLOW RECORDS AND STATION 119 LOCATED APPROXIMATELY 1/4 MILE DOWNSTREAM.

EXTREMES OF DISCHARGE:
1955-56
MAXIMUM 120 SECOND-FEET JANUARY 29.
MINIMUM 0.3 SECOND-FEET PART OF YEAR.
1956-57
MAXIMUM 15.2 SECOND-FEET JANUARY 13.
MINIMUM 0.1 SECOND-FEET SEVERAL DAYS IN MAY.

ACCURACY: GOOD.

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

DISCHARGE MEASUREMENTS OF SANTA ANITA CREEK

~~AT~~ NEAR below Santa Anita Dam 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.
75	2/29	0800 / 0810	STUNDEN	2.9	0.88	1.82		1.6		.5	7		FC50

76D74M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F11GB-R

Daily discharge, in second-feet of SANTA ANITA CREEK below Santa Anita Dam, for the year ending September 30, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.6	0.6	0.3	0.3	8.0	1.8	5.2	9.3	3.0	2.3	2.2	0.5
2	0.6	1.1	0.3	0.3	7.1	1.8	5.2	9.2	2.5	2.3	2.2	0.5
3	0.6	0.6	0.3	0.4	4.7	1.8	5.2	7.1	2.5	2.3	2.2	0.5
4	0.6	0.3	0.3	0.4	1.0	1.8	5.2	3.0	2.5	2.3	2.1	0.6
5	0.6	0.3	0.3	0.4	1.0	1.8	2.9	3.0	2.5	2.3	2.1	0.6
6	0.6	0.3	0.3	0.4	1.0	1.9	1.8	3.0	2.5	2.3	2.1	0.6
7	0.6	0.3	0.3	0.4	1.0	1.9	1.8	3.0	2.5	2.3	2.1	0.6
8	0.6	0.3	0.3	0.4	1.0	1.9	1.8	3.0	2.5	2.3	2.1	0.6
9	0.6	0.3	0.3	0.3	1.0	1.9	1.8	3.0	2.5	2.3	2.1	0.6
10	0.6	0.3	0.3	0.3	1.1	1.9	1.8	3.1	2.5	2.3	2.1	0.6
11	0.6	0.3	0.3	0.3	1.2	1.9	1.8	3.1	7.6	2.3	2.0	0.6
12	0.6	0.3	0.3	0.3	1.2	1.9	1.7	3.1	10.0	2.3	2.0	0.6
13	0.6	0.3	0.3	0.3	1.3	1.9	1.7	3.1	9.9	2.2	5.2	0.6
14	0.5	0.3	0.3	0.3	1.3	5.3	1.7	3.1	9.8	2.2	7.5	0.6
15	0.5	0.3	0.3	0.3	1.4	7.0	1.7	3.1	9.6	2.2	7.1	0.6
16	0.5	0.3	0.3	0.3	1.5	5.6	1.7	3.1	7.7	2.2	6.7	0.6
17	0.5	0.3	0.3	0.3	1.5	3.0	1.7	3.1	2.3	2.2	5.7	0.7
18	0.5	0.3	0.3	0.3	1.5	3.0	1.7	3.1	2.3	2.2	1.5	0.7
19	0.5	0.3	0.3	0.3	1.5	3.0	1.7	3.2	2.3	2.2	1.4	0.7
20	0.5	0.3	0.3	0.3	1.5	3.0	1.7	3.2	2.3	2.2	1.3	0.7
21	0.5	0.3	0.3	0.3	1.6	3.0	1.7	3.3	2.3	2.2	1.2	0.7
22	0.3	0.3	0.3	0.3	1.6	3.0	1.7	3.3	2.3	2.2	1.1	0.7
23	0.3	0.3	0.3	0.3	1.6	4.9	4.9	3.3	2.3	2.2	1.0	0.7
24	0.3	0.3	0.3	0.3	1.6	3.0	8.5	3.3	2.3	2.2	0.8	0.6
25	0.3	0.3	0.3	0.3	1.7	3.0	9.6	3.3	2.3	2.2	0.4	0.6
26	0.3	0.3	0.3	15.3	1.7	3.0	9.6	3.3	2.3	2.2	0.4	0.6
27	0.3	0.3	0.3	70	1.7	3.0	9.5	3.3	2.3	2.2	0.4	0.6
28	0.3	0.3	0.3	100	1.7	4.2	9.5	3.3	2.3	2.2	0.4	0.6
29	0.3	0.3	0.3	113	1.8	5.3	9.4	3.3	2.3	2.2	0.4	0.6
30	0.3	0.3	0.3	94		5.3	9.4	3.3	2.3	2.2	0.5	0.6
31	0.3		0.3	124		5.3		3.3		2.2	0.5	
	14.8	10.4	9.3	412.8	55.8	97.1	123.6	114.2	112.3	69.4	68.8	18.4
MEAN	0.48	0.35	0.30	13.3	1.92	3.13	4.12	3.68	3.74	2.24	2.22	0.61
ACRE-FEET	29.	21.	18.	819.	111.	193.	245.	226.	223.	138.	136.	36.5

Remarks:

YEAR OR PERIOD MEAN 3.02
ACRE-FEET 2200.

76D74M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F11GB-R

Daily discharge, in second-feet of SANTA ANITA CREEK below Santa Anita Dam, for the year ending September 30, 1957

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.6	0.6	0.4	0.2	3.0	2.9	2.9	2.7	0.8	0.9	1.6	1.5
2	0.6	0.6	0.4	0.5	3.1	2.9	3.0	2.7	0.8	0.9	1.6	1.5
3	0.6	0.6	0.4	0.8	3.1	2.9	3.0	2.7	0.8	1.0	1.6	1.5
4	0.6	0.6	0.4	0.8	3.1	2.9	3.0	2.7	0.8	1.0	1.6	1.5
5	0.6	0.5	0.4	0.8	3.2	2.9	3.0	2.7	0.8	1.0	1.6	1.5
6	0.6	0.5	0.4	0.8	3.2	2.9	3.0	2.7	0.8	1.0	1.6	1.5
7	0.6	0.5	0.4	0.8	3.2	2.9	3.0	2.7	0.8	1.0	1.6	1.5
8	0.6	0.5	0.4	0.8	3.2	2.9	3.0	1.0	0.8	1.0	1.6	1.5
9	0.6	0.5	0.3	0.8	3.2	2.9	3.0	0.1	0.8	1.0	1.6	1.5
10	0.6	0.5	0.3	0.8	3.1	2.9	3.0	0.1	0.9	1.0	1.6	1.5
11	0.6	0.5	0.2	0.8	3.1	2.9	3.0	0.1	0.9	1.0	1.6	1.5
12	0.6	0.5	0.2	0.8	3.0	2.9	3.0	0.1	0.9	1.0	1.6	1.5
13	0.6	0.5	0.2	15.2	3.0	2.9	3.0	0.5	0.9	1.0	1.6	1.5
14	0.6	0.5	0.2	12.6	3.0	2.9	3.0	0.8	0.9	1.0	1.6	1.5
15	0.6	0.5	0.2	12.1	3.0	2.9	2.9	0.8	0.9	1.0	1.6	1.5
16	0.6	0.5	0.2	11.3	3.0	2.9	2.9	0.8	0.9	1.0	1.6	1.5
17	0.6	0.5	0.2	5.7	3.0	2.9	2.9	0.8	8.7	1.0	1.6	1.5
18	0.6	0.5	0.2	3.1	2.9	11.2	2.9	0.8	12.5	1.0	1.6	1.5
19	0.6	0.5	0.2	3.1	2.9	15.1	2.8	0.8	6.1	1.4	1.6	1.5
20	0.6	0.5	0.2	3.1	2.9	14.6	2.8	0.8	1.6	1.7	1.5	1.5
21	0.6	0.5	0.2	3.1	2.9	14.5	2.8	0.8	1.6	1.7	1.5	1.5
22	0.5	0.5	0.2	3.1	2.9	8.2	2.7	0.8	1.6	1.7	1.5	1.5
23	0.5	0.5	0.2	3.1	7.3	2.9	2.7	0.8	1.6	1.7	1.5	1.5
24	0.5	0.5	0.2	2.4	14.0	2.9	2.7	0.8	1.6	1.7	1.5	1.5
25	0.5	0.5	0.2	1.9	14.5	2.9	2.7	0.8	1.2	1.7	1.5	1.5
26	0.5	0.4	0.2	2.6	14.2	2.9	2.7	0.8	0.9	1.7	1.5	1.5
27	0.5	0.4	0.2	3.2	6.4	2.9	2.7	0.8	0.9	1.7	1.5	1.5
28	0.5	0.4	0.2	3.2	2.7	2.9	2.7	0.8	0.9	1.7	1.5	1.5
29	0.6	0.4	0.2	3.1		2.9	2.7	0.8	0.9	1.7	1.5	1.5
30	0.6	0.4	0.2	3.1		2.9	2.7	0.8	0.9	1.7	1.5	1.5
31	0.6		0.2	3.0		2.9		0.8		1.7	1.5	
	17.9	14.9	8.0	106.7	126.1	139.2	86.2	35.2	54.5	39.6	48.4	45.0
MEAN	0.58	0.50	0.26	3.44	4.50	4.49	2.87	1.14	1.82	1.28	1.56	1.50
ACRE-FEET	36.	30.	16.	212.	250.	276.	171.	70.	108.	79.	96.	89.

Remarks:

YEAR OR PERIOD MEAN 1.98
ACRE-FEET 1430.

STATION F260B-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 1 MILE NORTH OF ARCADIA, AND APPROXIMATELY 0.2 MILE BELOW THE CONFLUENCE OF SANTA ANITA CREEK AND SIERRA MADRE WASH. THE FORMER STATION F260-F 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: INSTALLED APRIL 22, 1938 OVER AN 18-INCH DIAMETER CORRUGATED IRON PIPE STILLING WELL. AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1955 TO SEPTEMBER 30, 1957.

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, 1957. FOR RECORDS PRIOR TO APRIL 1938, SEE STATIONS F21-R, F119-R AND F260-R.

EXTREMES OF DISCHARGE:
1955-56
MAXIMUM NOT DETERMINED.
MINIMUM NO FLOW MOST OF YEAR.
1956-57
MAXIMUM NOT DETERMINED.
MINIMUM NO FLOW MOST OF YEAR.
1936-57
MAXIMUM NOT DETERMINED.
MAXIMUM OUTFLOW FROM SANTA ANITA DAM, 5070 SECOND-FEET MARCH 2, 1938.
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: POOR.

REMARKS: SOME FLOW PERCOLATED BEFORE REACHING STATION.

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, 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.
548	1/30	1055 / 1105	STUNDEN-PHENIX	48.0	28.5	5.47		156.	FLOATS		14		
549	1/30	1130 / 1150	" "	49.0	40.8	6.18		252.		"	16		
550	1/30	1330 / 1340	" "	50.0	32.6	5.21		170.		"	15		
551	2/2	0910 / 0920	STUNDEN	6.0	1.23	2.52		3.1			9		FC36
552	3/14	1230 / 1240	"	2.7	0.42	2.00		0.84		.5	6		"

FRD 74M C4b 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, 19 56

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	1.1	0	4.4	0	1.1	0				
2	0	0	0	0	3.5	0	0	0				
3	0	0	0	0	0.8	0	0	0				
4	0	0	0.5	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				
8	0	0	0	0	0	0	0	0				
9	0	0	0	0	0	0	0	1.0				
10	0	0	0	0	0	0	0	2.0				
11	0	0	0	0	0	0	0.5	0				
12	0	0	0	0	0	0	13	0				
13	0	0	0	0	0	0	8.8	0				
14	0	1.7	0	0	0	0.5	3.0	0				
15	0	0	0	0	0	1.0	0	0				
16	0	0	0	0	0	1.0	0	0				
17	0	0	1.1	0	0	0	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	1.7	0	0	0	0	0	0				
22	0	0	0	0	0	0	0	0				
23	0	0	0	0	7.4	0.2	0	0				
24	0	0	0	0	2.6	0	0	0				
25	0	0	0	8.4	0	0	0					
26	0	0	0	163	0	0.1	0.8	RECORDER STOPPED FOR SEASON				
27	0	0	0	50	0	0	0					
28	0	0	0	33	0	0.2	0					
29	0	0	0	65	0	0.1	0					
30	0	0	0	78		0	0					
31	0		0	14		0						
	0	3.4	2.7	411.4	18.7	3.1	27.2	12.0				
MEAN	0	0.11	0.09	13.3	0.64	0.10	0.91	0.40				
ACRE-FEET	0	6.7	5.4	816.	37.	6.1	54.	24.				

Remarks:

YEAR OR PERIOD MEAN 1.31
ACRE-FEET 949.

EDITION Cib 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F26B-R

Daily discharge, in second-feet of SANTA ANITA WASH at Foothill Boulevard, for the year ending September 30, 19 57

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	v 5.2	0	0	0			
2	0	0	0	0	0	0	0	0	0			
3	0	0	0	0	0	+	0	0	0			
4	1.6	0	0	0	0	+	0	0	0			
5	0	0	v 0.5	v 1.2	0	0	0	0	0			
6	0	0	0	0	0	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	v 4.0	0	0	0			
10	0	0	0	v 2.2	0	0	0	0	0			
11	0	0	0	0	0	0	0	v 3.0	0	RECORDER STOPPED		
12	0	0	0	v 8.5	0	0	0	0	0			
13	0	0	0	v 2.9	0	0	0	0	0			
14	0	0	0	v 2.2	0	+	0	+	0			
15	0	0	0	1.0	0	0	0	0	0			
16	0	0	0	0	0	v 2.2	0	0	0			
17	0	0	0	0	0	0	v 3.2	0	0			
18	0	0	0	0	0	+	v 3.1	v 0.9	0			
19	0	0	0	0	0	0	0	v1 0.0	0			
20	0	0	0	0	0	0	v 5.9	0	0			
21	0	0	0	0	0	+	v 1.0	0	0			
22	0	0	0	0	0	0	0	0	0			
23	0	0	0	0	v 3.6	0	0	0	0			
24	0	0	0	0	6.3	0	0	0	0			
25	0	0	0	v 0.3	3.2	0	0	0	0			
26	0	0	0	1.1	3.6	0	0	0	0			
27	0	0	+	0.7	0.4	0	0	0	0			
28	0	0	0	0.1	v 1.3	0	0	0	0			
29	0	0	0	v 1.0		0	0	0	0			
30	0	0	0	0		0	0	0	0			
31	0		0	0		0		0				
	1.6	0	0.5	46.3	62.5	11.4	13.2	13.9	0	0	0	0
MEAN	0.05	0	0.02	1.49	2.23	0.37	0.44	0.45	0	0	0	0
ACRE-FEET	3.2	0	0.99	92.	124.	23.	26.	28.	0	0	0	0

RECORDER STOPPED FOR SUMMER

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.41
ACRE-FEET 297.

STATION F93-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 R.R. 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 5 FEET BELOW THE STATION.

RECORDER: INSTALLED OCTOBER 18, 1949 OVER AN 18-INCH CORRUGATED IRON PIPE STILLING WELL. A STEVENS CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1955 TO SEPTEMBER 30, 1957.

REGULATION: NONE.

DIVERSIONS: THERE ARE DIVERSIONS FOR IRRIGATION.

RECORDS AVAILABLE: RECORDER RECORDS AVAILABLE FROM OCTOBER 18, 1949 TO SEPTEMBER 30, 1957. STREAM FLOW MEASUREMENTS FROM NOVEMBER 1929.

EXTREMES OF DISCHARGE:
1955-56
MAXIMUM 5.0 SECOND-FEET APRIL 13.
MINIMUM 1.0 SECOND-FOOT AT TIMES.
1956-57
MAXIMUM 1.7 SECOND-FEET JANUARY 12.
MINIMUM 0.9 SECOND-FOOT SOME DAYS IN FEBRUARY.
1950-57
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

~~NEAR~~ above Lang R.R. Station 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.
322	10/5	0843 / 0850	TURNER	3.1	2.08	0.48	3.64	1.0		.6	8	0	FC43
323	10/13	0850 / 0905	WHISLER	3.2	2.39	0.46	3.73	1.1		.5 .6	9	0	FC59
324	10/20	0831 / 0840	TURNER-SCOTT	3.1	1.67	0.72	3.52	1.2		.6	8	0	FC60
325	10/27	0947 / 1000	WHISLER	3.1	1.96	0.60	3.60	1.2		.6	9	0	FC5
326	11/3	0858 / 0908	"	3.1	1.72	0.69	3.50	1.2		.6	9	0	FC59
327	11/10	0830 / 0838	"	3.1	1.67	0.72	3.48	1.2		.6	9	0	"
328	11/18	0950 / 1000	HYDE	3.1	1.66	0.60	3.49	1.0		.6	6	0	FC35
329	11/23	0911 / 0920	TURNER	3.1	1.64	0.73	3.50	1.2		.6	9	0	FC60
330	12/1	0820 / 0830	WHISLER	3.1	1.80	0.61	3.55	1.1		.6	9	0	FC59
331	12/8	0815 / 0825	"	3.1	1.77	0.56	3.49	1.0		.6	9	0	"
332	12/15	0830 / 0838	"	3.1	1.55	0.64	3.43	0.99		.6	9	0	"
333	12/22	0818 / 0828	"	3.1	1.59	0.61	3.45	0.98		.6	9	0	"
334	12/29	1225 / 1235	"	3.1	1.77	0.56	3.50	1.0		.6	9	0	FC59
335	1/5	1316 / 1325	"	3.1	1.75	0.63	3.51	1.1		.6	9	0	"
336	1/12	0800 / 0808	"	3.1	1.89	0.53	3.55	1.0		.6	9	0	"
337	1/19	0805 / 0815	"	3.1	1.52	0.66	3.43	1.0		.6	9	0	"
338	1/27	1735 / 1742	WHISLER-ROGERS	2.9	2.43	1.11	3.63	2.7		.6	8	0	FC5
339	2/1	1354 / 1359	WHISLER	2.9	2.01	0.65	3.52	1.3		.6	7	0	"
340	2/8	1502 / 1510	"	2.9	2.26	0.53	3.60	1.2		.6	8	0	FC59
341	2/16	0820 / 0827	"	2.9	2.56	0.59	3.68	1.5		.6	8	0	"
342	2/23	1202 / 1213	"	2.9	1.74	0.92	3.46	1.6		.6	8	0	"
343	3/1	0827 / 0840	"	2.9	1.95	1.10	3.53	2.2		.6	8	0	"
344	3/8	0905 / 0915	WHISLER	2.9	2.02	1.10	3.60	2.2		.6	9	0	FC59
345	3/15	0807 / 0814	"	2.9	2.18	1.01	3.62	2.2		.6	8	0	"
346	3/22	0850 / 0857	"	2.9	1.99	1.16	3.54	2.3		.6	8	0	"
347	3/27	0842 / 0848	WHISLER-SJOSTEDT	2.9	1.96	0.92	3.52	1.8		.6	8	0	"
348	4/4	0915 / 0921	WHISLER	2.7	1.67	1.08	3.55	1.8		.6	8	0	"
349	4/12	1140 / 1148	"	2.7	2.08	1.11	3.66	2.3		.6	8	0	"
350	4/13	1545 / 1551	"	2.7	2.41	1.65	3.77	4.0		.6	8	0	"
351	4/17	0841 / 0855	HYDE	2.7	2.19	1.42	3.70	3.1		.6	8	+.01	FC60
352	4/25	1004 / 1012	WHISLER	2.7	2.30	1.06	3.72	2.4		.6	8	0	FC59
353	5/3	0900 / 0908	"	2.8	2.82	0.85	3.88	2.4		.6	8	0	"
354	5/9	0706 / 0715	"	2.7	1.95	1.49	3.65	2.9		.6	8	0	"
355	5/17	0829 / 0838	"	2.7	2.06	1.12	3.66	2.3		.6	8	0	"
356	5/24	0810 / 0818	"	2.7	2.37	0.84	3.79	2.0		.6	8	0	"
357	6/1	0910 / 0921	"	2.7	1.55	1.23	3.52	1.9		.6	8	0	"
358	6/7	0840 / 0850	"	2.7	1.77	1.02	3.59	1.8		.6	8	0	"
359	6/14	0805 / 0813	"	2.7	1.60	1.12	3.52	1.8		.6	8	0	"
360	6/21	0814 / 0820	"	2.7	1.95	0.82	3.63	1.6		.6	8	0	"
361	6/28	0840 / 0850	SJØSTEDT	2.7	1.86	0.81	3.58	1.5		.6	8	0	"
362	7/5	0855 / 1005	"	2.6	1.50	0.94	3.53	1.4		.6	8	0	"
363	7/12	0905 / 0915	"	2.7	1.04	1.45	3.60	1.5		.6	8	0	"
364	7/19	0820 / 0828	WHISLER	2.7	1.07	1.31	3.41	1.4		.6	8	0	"
365	7/26	0840 / 0845	"	2.7	1.31	1.07	3.48	1.4		.6	8	0	"
366	8/2	1600 / 1606	"	2.7	1.56	0.77	3.51	1.2		.6	8	0	"
367	8/9	1218 / 1224	"	2.7	2.07	0.63	3.67	1.3		.6	8	0	"
368	8/16	1132 / 1137	WHISLER	2.7	1.94	0.67	3.61	1.3		.6	8	0	FC59
369	8/23	1155 / 1202	"	2.7	1.18	1.10	3.42	1.3		.6	8	0	"
370	8/30	1420 / 1426	"	2.7	1.40	0.93	3.50	1.3		.6	8	0	"
371	9/6	1036 / 1042	"	2.7	1.63	0.80	3.58	1.3		.6	8	0	"
372	9/13	1220 / 1230	"	2.7	1.22	1.06	3.34	1.3		.6	8	0	"
373	9/20	1420 / 1426	"	2.7	1.39	0.86	3.39	1.2		.6	8	0	"
374	9/27	1312 / 1319	"	2.7	1.73	0.69	3.50	1.2		.6	8	0	"

DISCHARGE MEASUREMENTS OF SANTA CLARA RIVER

~~NEAR~~ above Lang R.R. Station 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.	G. HT. CHANGE TOTAL	METER NO.
375	10/4	1340 / 1345	WHISLER	2.7	2.14	0.56	3.64	1.2		.6	8	0	FC59
376	10/11	0750 / 0758	"	2.7	1.46	0.82	3.42	1.2		.6	8	0	"
377	10/18	0818 / 0824	"	2.7	1.54	0.78	3.42	1.2		.6	8	0	"
378	10/24	1010 / 1020	"	2.7	1.77	0.73	3.52	1.3		.6	8	0	"
379	11/1	0950 / 1000	"	2.7	2.22	0.50	3.70	1.1		.6	8	0	"
380	11/8	0901 / 0912	"	2.7	1.04	1.25	3.31	1.3		.6	8	0	"
381	11/15	0836 / 0842	"	2.7	1.08	1.11	3.32	1.2		.6	8	0	"
382	11/23	1040 / 1048	"	2.6	1.13	0.97	3.36	1.1		.6	8	0	"
383	11/29	0812 / 0820	"	2.6	1.15	1.04	3.36	1.2		.5	8	0	"
384	12/6	0838 / 0843	"	2.6	1.24	0.97	3.39	1.2		.5	8	0	"
385	12/13	0800 / 0808	"	2.6	1.31	0.92	3.42	1.2		.5	8	0	"
386	12/20	1005 / 1013	BOWMAN-WHISLER	2.6	1.35	0.74	3.44	1.0		.6	8	0	"
387	12/27	0832 / 0845	WHISLER-STUNDEN	2.6	1.52	0.73	3.48	1.1		.6	8	0	"
388	1/3	0855 / 0902	WHISLER	2.6	1.28	0.86	3.37	1.1		.6	8	0	"
389	1/0	0816 / 0822	"	2.6	1.33	0.83	3.41	1.1		.6	8	0	"
390	1/17	1015 / 1021	"	2.6	1.50	0.73	3.45	1.1		.6	8	0	"
391	1/23	1318 / 1324	"	2.6	1.64	0.67	3.51	1.1		.6	8	0	"
392	1/31	1325 / 1331	"	2.6	1.04	1.06	3.31	1.1		.6	8	0	"
393	2/7	1355 / 1404	"	2.6	1.20	0.83	3.35	1.0		.6	8	0	"
394	2/14	1305 / 1311	"	2.6	1.47	0.65	3.47	0.96		.6	8	0	"
395	2/21	1307 / 1312	BROOK-WHISLER	2.6	1.65	0.56	3.52	0.93		.6	8	0	"
396	2/28	1250 / 1256	WHISLER-MC BRIDE	2.6	1.02	1.18	3.32	1.2		.5	8	0	"
397	3/6	1027 / 1034	WHISLER	2.6	1.04	1.08	3.33	1.1		.6	8	0	"
398	3/14	1240 / 1248	"	2.6	1.14	1.05	3.36	1.2		.6	8	0	"
399	3/21	0808 / 0814	"	2.6	1.26	1.03	3.38	1.3		.6	8	0	"
400	3/28	0916 / 0923	"	2.6	1.06	1.32	3.29	1.4		.6	8	0	"
401	4/4	1425 / 1433	"	2.6	1.25	1.12	3.37	1.4		.6	8	0	"
402	4/11	1345 / 1355	"	2.6	1.51	1.06	3.43	1.6		.6	8	0	"
403	4/18	0850 / 0858	"	2.6	1.66	0.90	3.49	1.5		.6	8	0	"
404	4/25	1324 / 1330	"	2.6	1.93	0.78	3.58	1.5		.6	8	0	"
405	5/2	1420 / 1428	WHISLER-ROY	2.6	1.31	1.15	3.38	1.5		.6	8	0	"
406	5/9	0754 / 0803	WHISLER	2.6	1.22	1.31	3.37	1.6		.6	8	0	"
407	5/16	0812 / 0822	"	2.6	1.42	0.99	3.43	1.4		.6	8	0	"
408	5/23	0748 / 0758	"	2.6	1.66	0.90	3.55	1.5		.6	8	0	"
409	5/29	0905 / 0913	"	2.6	1.27	1.26	3.30	1.6		.6	8	0	"
410	6/6	1012 / 1026	BOWMAN-WHISLER	2.6	1.22	1.07	3.34	1.3		.6	8	0	"
411	6/13	1146 / 1157	WHISLER	2.6	1.65	0.79	3.48	1.3		.6	8	0	"
412	6/20	1300 / 1307	"	2.6	1.17	1.20	3.33	1.4		.6	8	0	"
413	6/27	1440 / 1447	BOWMAN	5.0	1.61	0.81	3.32	1.3		.5	13	0	"
414	7/3	1450 / 1500	"	2.6	1.29	1.08	3.41	1.3		.5	7	0	"
415	7/11	1250 / 1300	"	2.6	1.25	1.04	3.40 3.32	1.3		.5	8	0	"
416	7/18	1140 / 1200	WHISLER	2.7	1.18	1.02	3.30	1.3		.6	8	0	"
417	7/25	1417 / 1423	"	5.2	1.57	0.76	3.27	1.2		.6	7	0	"
418	8/1	1254 / 1300	"	5.5	1.92	0.62	3.32	1.2		.6	7	0	"
419	8/8	0937 / 0947	"	5.0	1.70	0.82	3.27	1.4		.6	10	0	"
420	8/15	0810 / 0818	"	5.3	1.64	0.79	3.27	1.3		.5	7	0	"
421	8/22	1200 / 1211	"	4.7	1.57	0.76	3.28	1.2		.6	8	0	"
422	8/29	1133 / 1138	"	5.0	1.63	0.74	3.28	1.2		.5	8	0	"
423	9/5	0812 / 0920	WHISLER-BLAKELY	4.9	1.62	0.74	3.30	1.2		.5	7	0	"
424	9/12	0835 / 0846	WHISLER	5.3	1.80	0.61	3.32	1.1		.5	8	0	"
425	9/19	0957 / 1003	"	3.7	1.00	1.40	3.28	1.4		.5	7	0	"
426	9/26	0756 / 0804	"	3.8	1.09	0.84	3.28	1.3		.5	7	0	"

FORM Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F63-R

Daily discharge, in second-feet of SANTA CLARA RIVER above Lang R. R. Station, for the year ending September 30, 19 56

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.1	1.2	1.1	1.0	1.3	2.1	1.8	2.3	1.8	1.4	1.2	1.3
2	1.0	1.2	1.1	1.0	1.3	2.1	1.8	2.3	1.8	1.4	1.2	1.3
3	1.0	c 1.2	1.1	1.0	1.3	2.1	1.8	c 2.3	1.8	1.4	1.3	1.3
4	1.0	1.2	1.1	1.0	1.2	2.2	1.6	2.3	1.7	1.4	1.3	1.3
5	1.0	1.2	1.0	1.0	1.2	2.2	1.6	2.3	1.7	c 1.4	1.3	1.3
6	1.0	1.2	1.0	1.0	1.2	2.2	1.6	2.3	1.7	1.4	1.3	1.3
7	1.0	1.2	1.0	1.0	1.2	2.2	1.6	2.3	1.7	1.4	1.3	1.3
8	1.0	1.2	1.0	1.0	1.2	2.2	1.6	2.5	1.7	1.4	1.3	1.3
9	1.0	1.2	1.0	1.0	1.2	2.2	1.6	3.3	1.7	1.4	1.3	1.3
10	1.1	1.2	1.0	1.0	1.2	2.2	1.6	3.4	1.7	c 1.5	1.3	1.3
11	1.1	1.2	1.0	1.0	1.3	2.2	1.6	2.8	1.6	1.5	1.3	1.3
12	1.1	1.1	1.0	1.0	1.3	2.2	2.8	2.7	1.6	1.5	1.3	1.3
13	1.1	1.1	1.0	1.0	1.3	2.2	4.0	2.5	1.6	1.5	1.3	1.3
14	1.2	1.2	1.0	1.0	1.4	2.2	3.3	2.2	c 1.7	1.4	1.3	1.3
15	1.2	1.0	1.0	1.0	1.4	2.2	3.3	c 2.2	1.8	1.4	1.3	1.3
16	1.1	1.0	1.0	1.0	1.5	2.2	3.0	2.2	1.8	1.4	1.3	1.3
17	1.1	1.0	1.0	1.0	1.6	2.2	2.8	2.3	1.7	1.4	1.3	1.3
18	1.1	1.0	1.0	1.0	1.6	2.2	2.7	2.3	1.7	1.4	1.3	1.3
19	1.1	1.0	1.0	1.0	1.7	2.2	2.7	2.2	1.7	1.4	1.3	1.3
20	1.2	1.0	1.0	1.0	1.7	2.2	2.6	2.1	1.7	1.4	1.3	1.3
21	1.2	1.2	1.0	1.0	1.7	2.3	2.5	2.0	c 1.7	1.4	1.3	1.3
22	1.2	1.2	1.0	1.0	1.7	2.3	2.2	2.0	1.7	1.4	1.3	1.3
23	1.2	1.2	1.0	1.0	1.7	2.1	2.2	2.0	1.6	1.4	1.3	1.3
24	1.1	1.1	1.0	1.0	1.8	2.0	2.3	c 2.0	1.6	1.4	1.3	1.3
25	1.1	1.1	1.0	1.1	1.8	2.0	2.3	2.0	1.5	1.4	1.3	1.3
26	1.1	1.1	1.0	1.7	1.9	1.9	2.3	2.0	1.5	c 1.4	1.3	1.3
27	1.2	1.0	1.0	2.8	1.9	1.8	2.5	2.0	1.4	1.4	1.3	1.3
28	1.2	1.0	1.0	1.4	2.1	1.8	2.5	2.0	c 1.4	1.4	1.3	1.3
29	1.2	1.0	1.0	1.3	2.1	1.8	2.3	1.9	1.4	1.3	1.3	1.3
30	1.2	1.0	1.0	1.3		1.8	2.3	1.9	1.4	1.3	1.3	1.3
31	1.2		1.0	1.3		1.8		1.9		1.2	1.3	
	34.4	33.5	31.4	34.9	43.8	65.3	68.8	70.2	49.4	43.4	40.1	39.0
MEAN	1.11	1.12	1.01	1.13	1.51	2.11	2.29	2.26	1.65	1.40	1.29	1.30
ACRE-FEET	68.	66.	62.	69.	87.	130.	136.	139.	98.	86.	80.	77.

Remarks:

YEAR OR PERIOD MEAN 1.51
ACRE-FEET 1100.

FORM Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F63-R

Daily discharge, in second-feet of SANTA CLARA RIVER above Lang R. R. Station, for the year ending September 30, 19 57

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.2	1.1	1.2	1.1	1.0	1.2	1.4	1.5	1.6	1.3	a 1.2	1.2
2	1.2	1.1	1.2	1.1	1.0	1.2	1.4	1.5	1.5	1.3	1.2	1.2
3	1.2	1.0	1.2	1.1	1.0	1.2	1.4	1.5	1.4	1.3	1.3	1.2
4	1.2	1.0	1.2	1.1	1.0	1.1	1.4	1.5	1.4	1.3	1.3	1.2
5	1.2	1.0	1.2	1.2	1.0	1.1	1.4	1.5	1.3	1.3	1.4	1.2
6	1.2	1.0	1.2	1.0	1.0	1.1	1.5	1.5	1.3	1.3	1.4	1.2
7	1.2	1.0	1.2	1.0	1.0	1.2	1.5	1.6	1.3	1.3	a 1.4	1.1
8	1.2	1.0	1.2	1.0	1.0	1.2	1.6	1.6	1.3	1.3	1.4	1.1
9	1.2	1.0	1.2	1.0	1.0	1.2	1.6	1.6	1.3	c 1.3	1.3	1.1
10	1.2	1.2	1.2	1.0	1.0	1.2	1.6	1.5	1.3	1.3	1.3	1.1
11	1.3	1.2	1.2	1.1	1.0	1.2	1.6	1.5	1.3	c 1.3	1.3	1.1
12	1.3	1.2	1.2	1.2	1.0	1.2	1.6	1.5	1.3	1.3	c 1.3	1.2
13	1.3	1.2	1.2	1.3	1.0	1.2	1.6	1.4	c 1.3	1.3	1.3	1.3
14	1.3	1.2	1.2	a 1.1	1.0	1.3	1.6	1.4	1.3	1.3	1.3	1.4
15	1.3	1.2	1.2	a 1.1	1.0	1.3	1.6	1.4	1.3	1.3	1.3	1.4
16	1.2	1.2	1.2	a 1.1	1.0	1.3	1.5	1.4	1.3	1.3	1.3	1.4
17	1.2	1.2	1.1	1.1	1.0	1.3	1.5	1.4	1.3	1.3	1.3	1.4
18	1.2	1.2	1.0	1.1	1.0	1.3	1.5	1.4	1.3	1.3	1.3	1.4
19	1.2	1.2	1.0	1.1	0.9	1.3	1.5	1.5	1.3	1.3	1.2	c 1.4
20	1.2	1.2	1.0	1.1	0.9	1.3	1.5	1.5	1.4	1.3	1.2	1.4
21	1.3	1.1	1.0	1.1	0.9	1.3	1.5	1.5	1.4	1.3	1.2	1.4
22	1.3	1.1	1.0	1.1	0.9	1.3	1.5	1.5	1.4	1.3	1.2	1.3
23	1.3	1.1	1.0	1.1	1.0	1.3	1.5	1.5	1.4	1.2	1.2	1.3
24	1.3	1.1	1.0	1.1	1.0	1.3	1.5	1.5	1.4	1.2	1.2	1.3
25	1.3	1.1	1.0	1.1	1.0	1.3	1.5	1.5	c 1.3	c 1.2	1.2	1.3
26	1.3	1.1	1.1	1.1	1.0	1.3	1.5	1.5	1.3	1.2	1.2	1.3
27	1.2	1.1	1.1	1.1	1.0	1.3	1.5	1.6	1.3	1.2	1.2	1.3
28	1.2	1.2	1.1	1.1	1.2	1.4	1.5	1.6	1.3	1.2	1.2	1.3
29	1.2	1.2	1.1	1.1		1.4	1.5	1.6	1.3	1.2	1.2	1.3
30	1.2	1.2	1.1	1.1		1.4	1.5	1.6	1.3	1.2	1.2	1.3
31	1.1		1.1	1.1		1.4		1.6		1.2	1.2	
	38.2	33.7	34.9	34.0	27.8	39.0	45.3	46.7	40.2	39.4	39.2	38.1
MEAN	1.23	1.12	1.13	1.10	0.99	1.26	1.51	1.50	1.34	1.27	1.26	1.27
ACRE-FEET	76.	67.	69.	67.	55.	77.	90.	93.	80.	78.	78.	76.

Remarks:

YEAR OR PERIOD MEAN 1.25
ACRE-FEET 906.

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 3 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: INSTALLED SEPTEMBER 24, 1956 OVER A 36 INCH CORRUGATED IRON PIPE STILLING WELL. A STEVENS TYPE A35 CONTINUOUS RECORDER WAS IN SERVICE FROM SEPTEMBER 24, 1956 TO SEPTEMBER 30, 1957.

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, 1957. 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:
1955-56
MAXIMUM 344 SECOND-FEET JANUARY 26.
MINIMUM PLUS FLOW AT VARIOUS TIMES
1956-57
MAXIMUM 1920 SECOND-FEET FEBRUARY 28.
MINIMUM NO FLOW AT TIMES.
1930-57 (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, 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.
898	10/5	1334 / 1339	TURNER	3.2	0.64	0.92	7.46	0.59		.5	8	0	FC60
899	10/13	1400 / 1415	WHISLER	5.5	1.21	0.91	7.54	1.1		.5 / .6	10	0	FC59
900	10/20	1108 / 1112	TURNER-SCOTT	2.4	0.25	0.52	7.32	0.13		.5	6	0	FC60
901	10/27	1245 / 1255	WHISLER	2.0	0.26	0.58	7.33	0.15		.5	5	0	FC5
902	11/3	1402 / 1408	"	2.2	0.25	0.40	7.34	0.10		.5	6	0	FC59
903	11/10	1150 / 1200	"	3.0	0.40	0.57	7.41	0.23		.5	6	0	"
904	11/18	1250 / 1256	HYDE	1.8	0.31	0.45	7.43	0.14		.5	5	0	"
905	11/23	1408 / 1413	TURNER	1.6	0.23	0.48	7.42	0.11		.5	5	0	FC60
906	12/1	1300 / 1303	WHISLER	1.5	0.26	0.54	7.42	0.14		.5	5	0	FC59
907	12/8	1316 / 1322	"	1.5	0.18	0.61	7.38	0.11		.5	6	0	"
908	12/15	1038 / 1043	"		CHANNELS		7.50	0.34		.5	8	0	"
909	12/22	0955 / 1000	"	2.0	0.32	0.47	7.47	0.15		.5	6	0	"
910	12/29	0758 / 0805	"	1.7	0.21	0.57	7.39	0.12		.5	7	0	"
911	1/5	1120 / 1126	"	1.8	0.22	0.50	7.42	0.11		.5	5	0	"
912	1/12	1055 / 1100	"	1.9	0.27	0.44	7.44	0.12		.5	6	0	"
913	1/19	1330 / 1335	"	1.7	0.21	0.52	7.38	0.11		.5	6	0	"
914	1/25	1420 / 1425	WHISLER-ROGERS		CHANNELS		7.54	0.65		.5	6	0	"
915	1/25	2157 / 2216	" "	24.0	9.43	1.37	7.90	12.9		.5 / .6	14	0	FC5
916	1/26	0215 / 0233	" "	26.0	17.9	2.18	8.18	39.2		.6	15	0	"
917	1/26	0510 / 0528	" "	43.0	56.4	3.90	9.13	220.		.6	16	+.01	"
918	1/27	0853 / 0906	" "	33.5	16.5	2.88	8.27	47.6		.5 / .6	18	0	"
919	2/9	0815 / 0820	WHISLER	1.7	0.19	0.68	7.52	0.13		.5	6	0	FC59
920	2/16	1055 / 1100	"	1.4	0.13	0.85	7.51	0.11		.5	5	0	"
921	2/23	0808 / 0812	WHISLER	2.0	0.24	0.83	7.54	0.20		.5	5	0	FC59
922	3/1	1335 / 1340	"	1.4	0.13	0.92	7.52	0.12		.5	5	0	"
923	3/8	1325 / 1328	"	1.5	0.19	0.58	7.55	0.11		.5	5	0	FC59
924	3/15	1350 / 1400	"	1.3	0.13	0.54	7.57	0.07		.5	6	0	"
925	3/22	1400 / 1410	"	3.0	0.45	1.31	7.63	0.59		.5	8	0	"
926	3/27	1321 / 1327	SJOSTEDT-WHISLER	2.3	0.22	0.86	7.55	0.19		.5	6	-.01	"
927	4/4	1209 / 1213	WHISLER	1.6	0.14	0.93	7.57	0.13		.5	5	0	"
928	4/11	2100 / 2104	"	3.0	0.49	0.90	7.67	0.44		.5	6	0	"
929	4/12	0036 / 0053	"	31.0	14.2	3.38	8.34	48.3		.5 / .6	14	.08	FC5
930	4/12	0150 / 0206	"	28.5	13.8	2.98	8.40	41.1		.5 / .6	13	-.06	"
931	4/12	0558 / 0608	"	18.0	6.43	1.74	8.12	11.2		.5 / .6	12	0	"
932	4/12	1234 / 1244	"	30.5	13.2	2.92	8.41	38.5		.5 / .6	13	-.02	"
933	4/13	0818 / 0824	"	1.9	0.36	1.14	7.67	0.41		.5	7	0	FC59
934	4/17	1055 / 1059	HYDE	1.1	0.08	0.75	7.59	0.06		.5	4	0	FC60
935	4/25	1250 / 1258	WHISLER	2.1	0.32	1.39	7.64	0.44		.5	6	0	FC59
936	4/26	1400 / 1412	"	3.7	0.73	1.19	7.72	0.87		.5	9	-.02	"
937	5/3	1330 / 1335	"	1.4	0.16	0.50	7.56	0.08		.5	6	0	"
938	5/9	0306 / 0321	"	29.5	15.8	3.79	8.53	59.9		.5 / .6	12	-.02	FC5
939	5/9	0545 / 0552	"	10.0	3.03	2.08	8.12	6.3		.5 / .6	7	-.03	"
940	5/9	0836 / 0848	"	34.0	22.1	4.24	8.85	93.7		.5 / .6	15	0	"
941	5/9	1209 / 1218	"	21.0	7.73	2.04	8.35	15.8		.5 / .6	12	-.02	"
942	5/24	1405 / 1410	"	1.40	0.12	0.67	7.72	0.08		.5	5	0	FC59
943	6/1	1450 / 1456	"	5.0	1.25	2.00	7.90	2.5		.5	8	-.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	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
944	6/7	1420 / 1428	WHISLER	5.0	0.89	1.83	7.85	1.5		.5	8	.0	FC59
945	6/14	1318 / 1323	"	5.5	1.17	1.45	7.85	1.7		.5	8	0	"
946	6/21	1305 / 1308	"	1.6	0.13	0.92	7.71	0.12		.5	5	0	"
947	6/28	1420 / 1430	SJOSTEDT	2.4	0.56	2.14	7.75	1.2		.6	7	0	FC59
948	7/5	1505 / 1515	"	2.3	0.31	1.77	7.80	0.55		.5	9	0	"
949	7/12	1340 / 1355	"	5.3	0.89	2.02	7.93	1.8		.5	12	0	"
950	7/19	1338 / 1343	WHISLER	2.3	0.25	1.48	7.72	0.37		.5	6	0	"
951	7/26	1300 / 1308	"	2.5	0.55	2.00	7.78	1.1		.5	7	0	"
952	8/2	0856 / 0904	"	4.5	1.68	2.02	8.02	3.4		.5	6	-.05	"
953	8/2	1004 / 1007	"	2.7	0.34	1.97	7.88	0.67		.5	5	0	"
954	8/9	1345 / 1355	"	2.8	0.63	2.54	7.81	1.6		.5	7	+.02	"
955	8/16	0833 / 0838	"	2.7	0.47	1.98	7.74	0.93		.5	7	0	"
956	8/23	0832 / 0842	"	3.3	1.05	2.41	7.84	2.5		.5	8	0	"
957	8/30	0810 / 0817	"	2.8	0.70	1.71	7.74	1.2		.5	7	0	"
758	9/6	1520 / 1530	"	5.8	1.79	2.18	7.94	3.9		.5	8	0	"
959	9/13	0812 / 0817	"	3.0	0.97	2.06	7.81	2.0		.5	7	0	"
960	9/20	0805 / 0812	"	3.4	1.54	1.82	7.94	2.8		.5	8	0	"
961	9/20	1050 / 1100	"	9.5	2.55	1.10	6.09	2.8		.5	11	0	"
962	9/27	0813 / 0818	"	2.9	0.89	1.91	7.79	1.7		.5	7	0	"
963	9/27	0838 / 0844	"	7.5	1.61	0.93	5.94	1.5		.5	9	0	"

DISCHARGE MEASUREMENTS OF SANTA CLARA RIVER

AT ~~NEAR~~ Old Highway Bridge DURING THE YEAR ENDING SEPTEMBER 30, 1957

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.
70	10/4	0824 / 0832	WHISLER	9.5	2.48	1.17	6.06	2.9		.5	11	0	FC59
71	10/11	1010 / 1018	"	2.0	0.21	0.81	5.66	0.17		.5	5	+.04	"
72	10/25	1012 / 1018	"	4.6	1.08	0.69	5.81	0.75		.5	6	0	"
73	11/8	1135 / 1140	"	1.8	0.14	0.50	5.57	0.07		.5	5	0	"
74	11/23	1240 / 1246	"	4.0	0.72	0.35	5.72	0.25		.5	9	-.01	"
75	12/6	1205 / 1208	"	0.8	0.04	0.35	5.55	0.01		.5	3	0	"
76	12/13	1105 / 1114	"	4.5	1.27	0.43	5.90	0.55		.5	10	0	"
77	1/3	1305 / 1307	"	0.8	0.05	0.40	5.57	0.02		.5	3	0	"
78	1/10	1314 / 1315	"	0.8	0.05	0.40	5.57	0.02		.5	3	0	"
79	1/17	1420 / 1442	"	CHANNELS			5.78	0.07		.5	4	0	FC59
80	1/24	0846 / 0850	"	2.4	0.42	1.24	5.83	0.52		.5	6	0	"
81	1/31	1025 / 1027	"	1.4	0.16	0.75	5.64	0.12		.5	4	0	"
82	2/7	0755 / 0800	"	1.3	0.11	0.64	5.63	0.07		.5	5	0	"
83	2/14	0742 / 0745	"	1.2	0.09	0.67	5.62	0.06		.5	5	0	"
84	2/21	0818 / 0820	WHISLER-BROOK	1.1	0.08	0.50	5.62	0.04		.6	4	0	"
85	2/23	0652 / 0708	WHISLER-BOWMAN	65.0	55.9	2.33	7.13	130.		.6	19	+.08	FC5
86	2/23	0857 / 0915	WHISLER-BOWMAN	56.	36.3	1.48	6.84	53.9		.6	21	-.07	"
87	2/28	1124 / 1127	WHISLER-MC BRIDE	CHANNELS			5.76	0.25		.5	5	0	FC59
88	2/28	1447 / 1458	" "	53.6	37.6	1.51	6.89	56.8		.6	16	0	FC5
89	2/28	2020 / 2036	" "	73.0	104.	4.00	7.84	415.		.6	14	+.12	"
90	3/1	0139 / 0154	" "	71.0	75.0	3.47	7.32	260.		.6	15	-.10	"
91	3/1	0542 / 0555	" "	44.6	27.3	1.50	6.60	41.0		.6	13	-.04	"
92	3/1	1235 / 1241	" "	7.0	2.53	1.98	6.27	5.0		.5	8	0	"
93	3/6	1306 / 1311	WHISLER	3.0	0.48	0.85	5.72	0.41		.5	7	0	"
94	3/14	1013 / 1018	"	2.3	0.31	0.84	5.62	0.26		.5	6	0	"
95	3/16	0843 / 0848	BOWMAN-WHISLER	4.3	0.89	1.24	5.79	1.1		.5	5	0	FC-5
96	3/16	0910 / 0915	"	6.8	2.53	1.78	6.07	4.5		.5	5	0	"
97	3/17	1535 / 1540	WHISLER	2.1	0.30	0.83	5.63	0.25		.5	6	0	FC59
98	3/20	1310 / 1313	"	1.9	0.24	0.75	5.60	0.18		.5	5	0	"
99	3/28	1335 / 1342	"	2.5	0.70	2.14	5.72	1.5		.5	6	0	"
100	4/4	1122 / 1125	"	2.0	0.30	1.23	5.53	0.37		.5	5	0	"
101	4/11	0756 / 0803	"	5.0	1.27	1.81	5.84	2.3		.5	7	0	"
102	4/18	1124 / 1127	"	3.8	0.81	1.48	5.59	1.2		.5	5	0	"
103	4/20	1653 / 1700	"	5.9	2.65	2.08	5.99	5.5		.5	8	0	"
104	4/25	0824 / 0830	"	5.5	2.09	1.24	5.77	2.6		.6 .5	7	0	"
105	5/2	0815 / 0820	WHISLER-ROY	5.6	1.43	1.19	5.71	1.7		.6	7	0	"
106	5/9	1408 / 1412	WHISLER	2.5	0.67	1.64	5.57	1.1		.5	6	0	"
107	5/16	1358 / 1402	WHISLER	2.7	0.87	1.84	5.66	1.6		.5	7	0	FC59
108	5/23	1426 / 1431	"	1.7	0.18	0.61	5.31	0.11		.5	5	0	"
109	5/29	1445 / 1450	"	3.4	1.26	1.67	5.72	2.1		SUR.	8	0	"
110	6/6	1520 / 1530	BOWMAN-WHISLER	3.4	0.97	0.90	5.48	0.85		SUR.	8	-.04	"
111	6/13	0824 / 0830	WHISLER	3.3	0.72	0.85	5.40	0.61		SUR.	8	0	"
112	6/20	0841 / 0845	"	3.3	0.97	1.34	5.56	1.3		SUR.	6	0	"
113	6/27	0835 / 0845	BOWMAN	2.3	0.76	1.14	5.43	0.87		.5	6	0	"
114	7/3	0855 / 0905	"	2.5	0.90	1.56	5.57	1.4		.5	6	0	"
115	7/11	0835 / 0845	"	2.5	0.62	1.11	5.39	0.69		.5	6	0	"
116	7/17	0825 / 0830	WHISLER	2.7	0.56	1.34	5.44	0.75		.5	7	0	FC59
117	7/25	1010 / 1018	"	3.0	0.81	1.36	5.49	1.1		.5	7	-.02	"
118	8/1	0913 / 0920	"	3.0	1.09	1.74	5.60	1.9		.5	8	0	"
119	8/8	1244 / 1300	"	3.0	0.82	1.46	5.50	1.2		.5	7	0	"
120	8/15	1350 / 1356	"	2.5	0.42	1.12	5.35	0.47		.5	6	0	"
121	8/22	1353 / 1355	"	0.6	0.02	0.62	5.12	0.02		.5	3	0	"
122	8/29	0852 / 0900	"	2.9	0.94	1.38	5.52	1.3		.5	7	0	"
123	9/5	1302 / 1310	WHISLER-BLAKELY	3.0	1.08	1.20	5.54	1.3		.5	8	0	"
124	9/12	1116 / 1118	WHISLER	1.3	0.11	0.55	5.18	0.06		.5	4	0	"
125	9/19	1415 / 1421	"	3.6	1.55	1.23	5.63	1.9		.5	6	0	"
126	9/26	1020 / 1028	"	2.8	0.08	1.25	5.47	1.0		.5	7	0	"
127	9/30	1522 / 1530	"	2.9	0.68	0.65	5.39	0.44		.5	7	0	"

TSD7&M Gb 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, 19 56

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	b 1.3	0.1	0.2	0.1	0.2	0.1	0.2	0.3	2.7	4.0	a 3.2	3.0
2	b 0.8	0.1	0.1	0.1	0.2	0.1	+	0.8	3.0	3.5	a 3.4	7.6
3	1.0	0.2	+	0.1	0.2	0.1	+	0.5	1.5	3.2	1.4	7.6
4	1.2	0.2	0.2	0.1	0.2	0.1	0.2	0.7	2.2	2.5	1.4	5.6
5	1.1	0.2	0.1	0.1	0.2	0.1	0.4	1.2	1.3	1.0	1.1	4.0
6	1.0	0.2	0.1	0.1	0.2	0.1	0.3	2.0	1.5	0.5	0.5	3.7
7	0.8	0.2	0.1	0.1	0.2	0.1	0.3	2.2	2.0	0.3	0.5	2.0
8	1.1	0.5	0.1	0.1	0.1	0.1	0.4	1.5	2.2	b 0.3	0.5	2.0
9	0.5	1.2	0.1	0.1	0.1	0.1	0.6	1.4	2.0	b 0.2	1.4	1.2
10	0.1	0.5	0.1	0.1	0.1	0.1	0.4	0.1	2.2	0.5	1.7	0.6
11	0.2	0.3	0.2	0.1	0.1	0.1	0.3	0.1	1.7	1.1	1.2	0.9
12	0.3	0.3	0.2	0.1	0.1	0.1	3.3	+	1.1	1.7	0.8	1.1
13	1.3	0.3	0.2	0.1	0.1	0.1	1.8	+	0.9	1.4	1.1	1.0
14	1.6	0.3	0.3	0.1	0.1	0.1	0.2	0.1	1.4	1.4	0.5	0.8
15	1.4	0.1	0.3	0.1	0.1	0.1	0.1	0.2	0.9	b 0.9	0.5	1.1
16	1.4	0.1	0.2	0.1	0.1	0.1	0.1	0.4	0.4	0.7	0.7	0.8
17	0.7	0.2	0.1	0.1	0.1	0.2	0.1	0.3	0.3	0.4	0.9	1.5
18	0.1	0.2	0.1	0.1	0.1	0.3	0.1	0.1	+	0.4	0.8	2.0
19	0.1	0.2	0.1	0.1	0.1	0.2	+	+	+	b 0.4	1.2	2.7
20	0.1	0.2	0.1	0.1	0.1	0.2		0.1	0.2	0.5	1.2	1.7
21	0.2	0.2	0.1	0.2	0.1	0.3		0.2	0.3	1.2	0.7	1.4
22	0.2	0.2	0.3	0.2	0.2	0.6	+	0.4	0.3	b 1.0	0.4	1.2
23	0.2	0.1	0.2	0.2	0.3	0.3	0.1	0.5	b 0.4	0.9	2.0	0.6
24	0.2	0.1	0.3	0.2	b 0.1	0.4	0.6	0.4	0.5	0.9	1.3	e 0.8
25	0.4	0.2	0.1	4.8	0.1	0.1	0.4	0.4	0.5	b 0.9	0.8	0.3
26	1.6	0.2	0.1	1.84	0.1	+	0.9	0.2	0.9	0.9	1.0	0.9
27	0.4	0.2	0.1	2.5	0.1	0.3	0.1	0.1	b 1.0	a 0.8	1.2	0.8
28	1.0	0.2	0.1	b 0.6	0.1	0.5	0.1	0.4	1.0	0.8	0.5	0.7
29	1.2	0.2	0.1	0.3	b 0.1	0.4	0.1	0.8	0.9	0.8	1.3	1.2
30	0.3	0.2	0.1	0.3		0.2	0.2	1.2	1.5	2.5	1.0	1.7
31	0.1		0.1	b 0.4		0.2		1.4		a 3.0	2.7	
	21.9	7.4	4.3	218.2	3.9	5.8	41.0	30.6	34.8	38.6	36.9	60.5
MEAN	0.71	0.25	0.14	7.04	0.13	0.19	1.37	0.99	1.16	1.25	1.19	2.02
ACRE-FEET	43.	15.	8.5	433.	7.7	12.	81.	61.	69.	77.	73.	120.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 1.38
ACRE-FEET 1000.

TSD7&M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

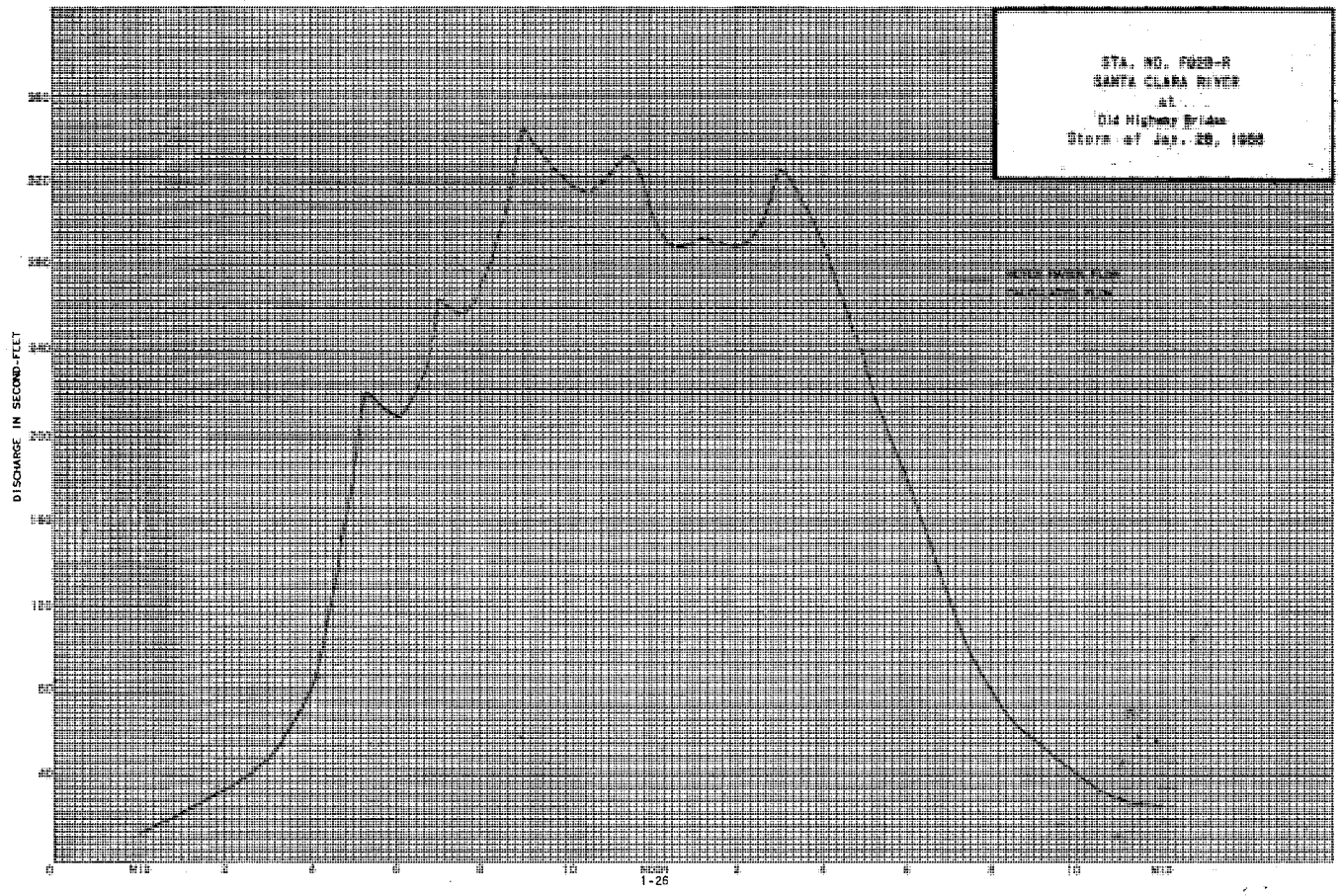
Sta. No. F92-R

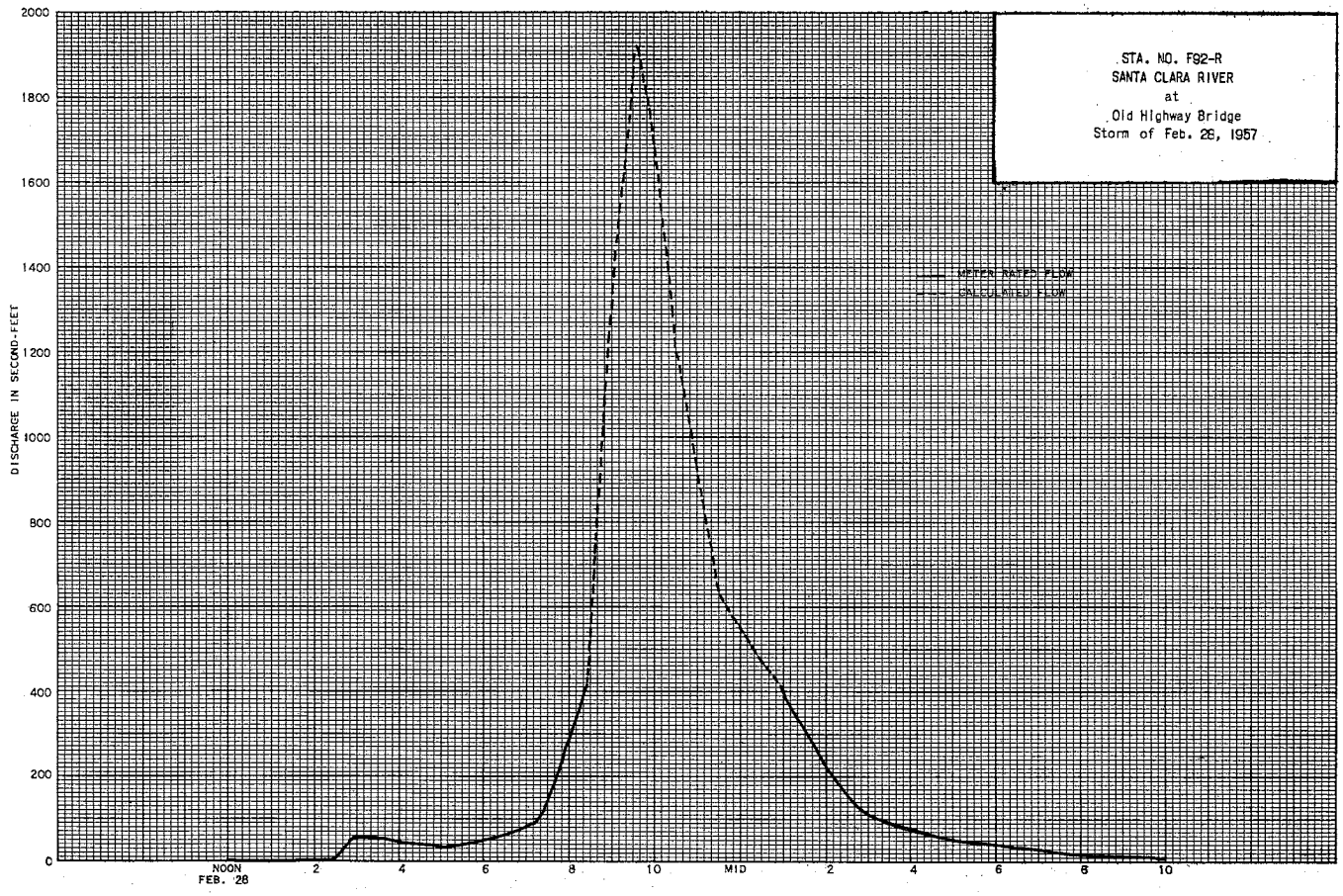
Daily discharge, in second-feet of SANTA CLARA RIVER at Old Highway Bridge, for the year ending September 30, 19 57

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.9	0	1.7	+	0.1	5.4	0.2	0.4	0.9	1.2	1.7	0.9
2	2.6	0	0.8		0.1	1.0	0.2	1.7	0.5	0.6	1.3	0.7
3	2.3	0	0.1		0.1	0.6	0.2	1.9	0.6	0.9	1.3	1.1
4	2.2	0.1	+	+	0.1	0.5	0.4	1.2	1.1	0.8	1.6	1.7
5	2.6	0.2	0.1	c 0.9	0.1	0.4	0.8	0.2	0.6	1.0	1.2	1.3
6	a 2.2	0.2	+	0.1	0.1	0.4	1.2	0.3	0.9	1.0	0.3	0.3
7	1.6	0.1		0.1	0.1	0.4	0.8	0.6	1.0	1.6	0.8	0.4
8	1.0	+		0.1	0.1	0.4	0.4	0.7	0.4	1.1	1.5	0.4
9	0.6	+		+	0.1	1.5	0.5	0.6	0.4	0.8	1.0	0.3
10	0.4	0		+	0.1	0.5	1.8	0.6	0.1	1.8	0.9	0.2
11	0.2	+		+	0.1	0.3	1.9	0.4	+	0.7	0.7	0.2
12	a 0.1	+	+	c 6.2	0.1	0.3	1.1	0.2	+	1.3	0.7	+
13	0	0.8	0.5	c 5.2	0.1	0.3	0.2	0.3	0.2	0.9	0.2	0.1
14	0	0.4	+	0.6	0.1	0.2	0.1	0.2	0.1	0.9	0.3	0.4
15	0	+		0.4	0.1	0.2	0.2	0.1	0	0.7	0.5	0.9
16	0			0.1	0.1	1.2	0.4	1.0	0.1	1.0	0.2	0.9
17	0			0.1	0.1	0.2	0.7	0.9	0.1	1.0	0.3	0.7
18	0			0.1	0.1	0.2	1.7	0.4	0.4	0.5	0.9	0.7
19	0			0.1	+	0.2	1.0	0.4	0.5	+	1.0	1.7
20	0	+		0.3		0.2	2.6	0.1	0.6	+	0.7	1.5
21	0.2	0.8		0.2		0.2	1.5	0.1	0.6	0.6	0.5	0.7
22	0.8	0.7		0.1	+	0.2	2.0	+	0.8	1.3	0.2	0.8
23	1.1	0.2		0.1	1.9	0.4	2.2	0.2	0.4	+	0.3	1.1
24	0.8	0.1		0.2	0.4	1.3	1.9	0.6	0.3	0.6	0.3	0.8
25	1.0	0.2		0.1	0.2	1.1	1.8	1.0	0.1	0.9	1.0	0.8
26	0.2	+		1.1	0.2	1.1	0.4	1.0	0.5	0.6	0.4	0.6
27	+			b 0.3	0.1	0.8	0.4	1.7	0.6	0.7	0.4	0.3
28	+			b 0.2	1.95	0.7	0.2	1.9	1.0	0.8	0.4	+
29	0		+	0.2		0.8	0.3	1.7	0.9	1.2	0.8	0.2
30	0	+		0.1		0.3	0.4	1.6	1.0	1.7	0.6	0.4
31	0		+	0.1		0.2		1.4		1.7	0.8	
	22.8	3.8	3.6	63.8	216.7	70.1	27.5	23.4	14.7	27.9	22.8	20.1
MEAN	0.74	0.13	0.12	2.06	7.74	2.26	0.92	0.76	0.49	0.90	0.74	0.67
ACRE-FEET	45.	7.5	7.1	125.	430.	139.	54.	46.	29.	55.	45.	40.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 1.42
ACRE-FEET 1020.


STA. NO. F92-R
SANTA CLARA RIVER
at
Old Highway Bridge
Storm of Jan. 26, 1963
DISCHARGE IN SECOND-FEET
MID
NOON
1-26


STA. NO. F92-R
SANTA CLARA RIVER
at
Old Highway Bridge
Storm of Feb. 28, 1957
METER RATED FLOW
CALCULATED FLOW
DISCHARGE IN SECOND-FEET
2000
1800
1600
1400
1200
1000
800
600
400
200
0
NOON
FEB. 28
2
4
6
8
10
MID
2
4
6
8
10

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 1957.

CHANNEL CONTROL: CHANNEL - SHIFTING SAND AND GRAVEL.

ACCURACY: GOOD BELOW 50 CFS AND FAIR ABOVE.

EXTREMES OF DISCHARGE:
1955-56
MAXIMUM 878 SECOND-FEET JANUARY 26.
MINIMUM 0.3 SECOND-FOOT SEPTEMBER 21-30.

1956-57
MAXIMUM 1580 SECOND-FEET MARCH 1.
MINIMUM 0.2 SECOND-FOOT AUGUST 21-26, SEPTEMBER 5-7.

1952-57
MAXIMUM 1580 SECOND-FEET MARCH 1, 1957.
MINIMUM 0.2 SECOND-FOOT SEVERAL DAYS IN 1955 AND 1957.

REMARKS: RECORDS FAIR. FLOW AT STATION AFFECTED BY PUMPING FROM WELLS ALONG STREAM FOR IRRIGATION ABOVE STATION.

COOPERATION: RECORDS FURNISHED BY VENTURA COUNTY WATER RESOURCES DIVISION. FIFTY DISCHARGE MEASUREMENTS FURNISHED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF SANTA CLARA RIVER

AT NEAR Blue Cut 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.	G. HT. CHANGE TOTAL	METER NO.
167	10/1		V.C.W.R.D.	1.6	0.41	1.05	0.75	0.43		.6	6	0	
168	10/8		"	1.6	0.50	1.26	0.77	0.63		.6	6	0	
169	10/11	1250 / 1255	WHISLER	1.6	0.49	1.71	0.77	0.84		.5	6	0	
170	10/15		V.C.W.R.D.	1.5	0.43	1.05	0.74	0.45		.6	5	0	
171	10/19		U.S.G.S.	1.5	0.44	1.68	0.77	0.74		.6	10	0	
172	10/22		V.C.W.R.D.	1.5	0.46	1.22	0.79	0.56		.6	6	0	
173	10/25	1100 / 1106	WHISLER	1.6	0.51	1.69	0.80	0.86		.5	7	0	
174	10/29		V.C.W.R.D.	1.5	0.47	1.47	0.82	0.69		.6	6	0	
175	11/5		"	1.5	0.49	1.47	0.82	0.72		.6	5	0	
176	11/8	1335 / 1340	WHISLER	1.6	0.52	1.48	0.83	0.77		.5	7	0	
177	11/13		V.C.W.R.D.	1.5	0.54	2.26	0.85	1.22		.6	9	0	
178	11/15	1410 / 1420	WHISLER	2.3	0.66	1.52	0.82	1.02		.5	7	0	
179	11/15		U.S.G.S.	2.1	0.59	1.27	0.81	0.75		.5 / .6	12	0	
180	11/19		V.C.W.R.D.	2.3	0.63	1.19	0.84	0.75		.6	7	0	
181	11/26		"	1.8	0.60	1.33	0.85	0.80		.6	6	0	
182	11/29	1225 / 1235	WHISLER	1.9	0.58	1.64	0.84	0.95		.5	8	0	
183	12/3		V.C.W.R.D.	1.9	0.64	1.36	0.85	0.87		.6	6	0	
184	12/10		"	1.9	0.63	1.33	0.87	0.84		.6	6	0	
185	12/13	1245 / 1255	WHISLER	1.9	0.65	1.85	0.88	1.17		.5	7	0	
186	12/17		V.C.W.R.D.	2.0	0.67	1.28	0.89	0.86		.6	6	0	
187	12/19		U.S.G.S.	1.9	0.64	1.56	0.90	1.00		.6	12	0	
188	12/24		V.C.W.R.D.	1.9	0.68	1.29	0.91	0.88		.6	6	0	
189	12/27	1345 / 1352	WHISLER-STUNDEN	2.5	0.73	1.78	0.91	1.27		.5	7	0	
190	12/31		V.C.W.R.D.	2.0	0.73	1.38	0.91	1.01		.6	6	0	
191	1/5		"	6.8	2.66	1.56	1.12	4.14		.6	10	0	
192	1/7		"	2.7	1.00	1.64	0.87	1.64		.6	8	0	
193	1/10	1237 / 1245	WHISLER	2.6	0.83	1.93	0.85	1.62		.5	8	0	
194	1/13		V.C.W.R.D.	9.8	4.56	2.45	2.12	11.2		.6	13	0	
195	1/14		"	5.9	2.38	1.41	1.28	3.35		.6	11	0	
196	1/15		"	5.9	2.21	1.12	1.24	2.47		.6	11	0	
197	1/17		U.S.G.S.	5.8	2.12	1.04	1.22	2.20		.6	21	0	
198	1/21		V.C.W.R.D.	5.1	1.81	1.07	1.22	1.93		.6	14	0	
199	1/26		WHISLER	6.6	2.62	1.52	1.31	3.97		.6	12	0	
200	1/31	0816 / 0823	WHISLER	6.8	2.49	1.45	1.29	3.58		.6	8	0	
201	2/4		V.C.W.R.D.	6.6	2.48	1.35	1.29	3.36		.6	11	0	
202	2/11		"	6.3	2.68	1.56	1.32	4.18		.6	12	0	
203	2/13		U.S.G.S.	6.1	2.77	1.53	1.35	4.24		.6	24	0	
204	2/14	0856 / 0904	WHISLER	6.0	2.81	1.57	1.35	4.36		.6	9	0	
205	2/18		V.C.W.R.D.	6.6	3.11	1.70	1.38	5.28		.6	12	0	
206	2/21	1035 / 1043	WHISLER-BROOK	6.7	3.35	1.67	1.42	5.60		.6	11	0	
207	2/23		V.C.W.R.D.	54.0	46.2	3.30	2.79	152.0		.6	15	0	
208	2/24		"	9.6	5.44	1.74	1.13	9.48		.6	11	0	
209	2/25		"	9.3	4.61	1.75	1.10	8.06		.6	11	0	
210	3/1		"	35.0	28.8	3.34	2.39	96.2		.6	16	0	
211	3/2		"	17.0	9.15	2.13	1.61	19.5		.6	17	0	
212	3/4		"	14.8	7.85	2.08	1.55	16.3		.6	15	0	
213	3/7		"	14.5	7.25	1.99	1.51	14.4		.6	15	0	
214	3/11		"	14.0	6.10	2.04	1.54 / 1.50	12.4		.6	14	0	
215	3/12		U.S.G.S.	14.3	5.92	2.27	1.48	13.4		.6	21	0	
215a	3/14	0813 / 0834	WHISLER	14.5	6.60	1.95	1.40	12.9		.6	21	0	
216	3/18		V.C.W.R.D.	10.5	7.37	1.82	1.31	13.4		.6	12	0	
217	3/25		"	10.5	7.40	1.69	1.28	12.5		.6	12	0	
218	3/28	1242 / 1255	WHISLER	14.5	7.39	1.48	1.28	10.9		.6	12	0	
219	4/1		V.C.W.R.D.	10.4	6.82	1.65	1.24	11.3		.6	12	0	
220	4/8		"	7.1	5.18	2.00	1.23	10.4		.6	10	0	
220a	4/11	0925 / 0942	WHISLER	14.5	7.49	1.27	1.23	9.52				0	
221	4/15		U.S.G.S.	10.0	6.20	1.18	1.21	7.32		.6	16	0	
222	4/15		V.C.W.R.D.	7.3	5.41	1.42	1.21	7.69		.6	11	0	
223	4/18		"	9.0	8.0	1.55	1.30	12.4		.6	10	0	
224	4/19		"	8.0	5.46	1.53	1.23	8.35		.6	11	0	
225	4/23		"	14.3	9.28	1.14	1.33	10.5		.6	11	0	
226	4/25	0920 / 0930	WHISLER	16.5	8.18	1.26	1.39	10.3		.6	12	0	
227	4/29		V.C.W.R.D.	15.7	11.1	0.70	1.46	7.77			14	0	
228	5/6		"	10.2	8.27	0.50	1.59	4.15		.6	11	0	
229	5/9	1325 / 1334	WHISLER	10.0	6.01	0.58	1.62 / 1.45	3.48		.6	7	0	
230	5/13		U.S.G.S.	6.0	3.34	0.87	1.35	2.89				0	
231	5/19		V.C.W.R.D.	6.2	4.07	0.85	1.36	3.44		.6	14	0	
232	5/20		"	6.2	3.76	0.79	1.32 / 1.15	2.97		.6	13	0	
233	5/23	1345 / 1355	WHISLER	8.0	4.00	0.65	1.14	2.64		.6	10	0	

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./SEC SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
234	5/27		V.C.W.R.D.	5.1	1.64	1.24	1.12	2.04		.6	10	0	
235	6/3		"	5.0	1.43	1.17	1.09	1.68		.6	9	0	
236	6/6	1420 / 1430	BOWMAN-WHISLER	7.4	2.84	0.46	1.09	1.40		.6	8	0	
237	6/10		V.C.W.R.D.	5.0	1.77	1.15	1.13	2.04		.6	11	0	
237a	6/12		U.S.G.S.	3.9	1.70	1.21	1.13	2.05		.6	14	0	
238	6/17		V.C.W.R.D.	3.4	1.49	0.79	1.12	1.17		.6	10	0	
239	6/20	0820 / 0827	WHISLER	4.0	1.66	0.96	1.06	1.60		.6	7	0	
240	6/24		V.C.W.R.D.	3.5	1.32	0.73	0.99	0.96		.6	9	0	
241	7/1		"	3.8	1.13	0.71	0.96	0.80		.6	9	0	
242	7/3	0920 / 0935	BOWMAN	4.0	1.25	0.73	0.97	0.91		.5	9	0	
243	7/8		V.C.W.R.D.	2.0	0.51	0.78	0.92	0.40		.6	8	0	
244	7/15		"	1.8	0.35	1.46	0.94	0.51		.5	10	0	
245	7/17		U.S.G.S.	0.8	0.30	2.03	0.96	0.61		.5 / .6	5	0	
246	7/18	0906 / 0912	WHISLER	2.5	0.56	1.48	0.97	0.83		.5	6	0	
247	7/22		V.C.W.R.D.	1.6	0.47	1.17	0.97	0.55		.6	5	0	
248	7/29		"	1.5	0.43	0.98	0.95	0.42		.5	5	0	
248a	8/1	0830 / 0837	WHISLER	2.8	0.54	0.87	0.95	0.47		.5	7	0	
249	8/1		V.C.W.R.D.	1.5	0.42	0.83	0.94	0.35		.5	5	0	
250	8/5		"	1.5	0.42	1.07	0.94	0.45		.5	5	0	
251	8/12		V.C.W.R.D.	1.5	0.44	0.98	0.95	0.43		.6	5	0	
252	8/12		U.S.G.S.	1.0	0.30	1.43	0.94	0.43		.6	6	0	
253	8/15	1246 / 1252	WHISLER	2.5	0.42	0.98	0.93	0.41		.5	6	0	
254	8/19		V.C.W.R.D.	1.1	0.32	1.50	0.96	0.48		.6	4	0	
255	8/26		V.C.W. R.D.	1.0	0.28	0.96	0.94	0.27		.6	4	0	
256	8/29	0800 / 0805	WHISLER	2.3	0.41	1.17	0.92	0.48		.5	6	0	
257	9/2		V.C.W.R.D.	1.0	0.32	1.12	0.93 / 0.91	0.36		.6	4	0	
258	9/5	1358 / 1404	WHISLER-BLAKELY	2.3	0.35	0.97	0.92	0.34		.5	6	0	
259	9/9		V.C.W.R.D.	1.0	0.30	0.93	0.90	0.28		.6	4	0	
260	9/17		U.S.G.S.	1.0	0.32	1.53	0.93	0.49		.5 / .6	6	0	
261	9/19	1457 / 1503	WHISLER	2.0	0.33	1.52	0.95	0.50		.5	5	0	
262	9/23		V.C.W.R.D.	1.4	0.45	1.07	0.94	0.48		.6	5	0	
263	9/30		"	1.4	0.45	0.76	0.92	0.34		.6	5	0	

76DT4M Cdb 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, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.6	1.0	1.5	1.4	2.0	1.7	7.4	8.9	8.4	1.5	1.0	0.8
2	0.7	1.0	1.5	1.4	1.9	1.7	6.9	8.4	9.9	1.9	1.4	0.8
3	0.9	0.9	1.4	1.4	1.9	1.7	5.7	8.4	8.9	1.9	1.5	0.9
4	1.0	1.0	2.3	1.5	1.9	1.7	4.6	8.4	8.9	1.7	1.2	1.1
5	0.9	1.1	1.5	1.5	2.0	1.7	3.7	8.4	7.4	1.5	0.9	1.0
6	0.6	1.1	1.2	1.4	2.0	1.7	3.4	8.4	5.4	1.5	0.8	0.9
7	0.4	1.0	1.2	1.4	1.8	1.6	3.4	8.9	4.3	1.5	0.8	0.8
8	0.6	0.9	1.2	1.2	1.7	1.8	3.7	11	4.0	1.4	0.8	0.7
9	0.7	1.0	1.2	1.2	1.6	1.7	4.3	3.0	4.0	1.4	0.9	0.6
10	1.0	1.2	1.2	1.2	1.5	1.7	4.6	1.9	4.0	1.1	0.9	0.5
11	1.0	1.2	1.2	1.4	1.6	1.6	5.7	1.4	3.7	1.1	1.0	0.6
12	0.9	1.2	1.1	1.5	1.6	1.6	3.6	1.2	3.7	1.1	1.0	0.5
13	1.0	1.4	1.2	1.9	1.6	1.5	2.1	1.1	3.7	1.1	0.6	0.5
14	1.1	2.6	1.2	2.5	1.6	1.5	1.1	1.1	3.7	1.0	0.5	0.5
15	1.1	1.5	1.2	3.2	1.6	1.4	9.4	1.1	2.9	1.0	0.5	0.4
16	1.0	1.2	1.2	4.3	1.5	1.2	9.4	1.0	2.9	1.0	0.5	0.4
17	0.9	1.4	1.4	4.6	1.5	1.1	9.9	9.9	3.2	1.0	0.9	0.4
18	0.9	1.2	1.4	5.0	1.5	1.1	1.0	9.4	2.7	1.2	0.9	0.4
19	0.9	1.2	1.4	5.7	1.6	1.0	1.0	8.9	2.5	1.1	1.0	0.4
20	0.8	1.2	1.7	6.5	1.6	1.0	8.9	8.9	2.5	1.1	0.8	0.6
21	0.8	2.1	1.4	6.9	1.6	1.0	8.4	8.9	2.1	1.1	0.8	0.3
22	0.8	1.7	1.5	7.4	1.6	1.0	8.4	9.4	1.3	1.0	0.6	0.3
23	0.6	1.4	1.5	7.9	2.1	1.0	8.4	9.9	1.3	1.0	0.6	0.3
24	0.5	1.2	1.7	8.4	2.0	1.0	8.4	11	1.9	1.1	0.6	0.3
25	0.6	1.1	3.2	32	1.9	1.0	9.4	11	1.9	1.0	0.7	0.3
26	0.8	1.1	2.1	514	1.8	1.0	12	11	2.3	1.0	0.8	0.3
27	0.8	1.2	2.1	239	1.8	1.0	10	9.9	2.3	0.8	0.9	0.3
28	0.7	1.2	1.5	27	1.8	9.4	9.4	9.9	2.3	0.8	1.0	0.3
29	0.7	1.4	1.4	23	1.7	8.9	9.4	9.9	1.7	0.5	0.8	0.3
30	0.7	1.5	1.4	28		7.4	9.4	9.4	1.5	0.6	0.8	0.3
31	0.9		1.4	23		6.9		8.9		0.8	0.8	
	24.9	38.2	46.4	956.8	504.0	402.6	272.2	335.1	117.3	35.8	26.3	15.8
MEAN	0.80	1.27	1.50	30.9	17.4	13.0	9.07	10.8	3.91	1.15	0.85	0.53
ACRE-FEET	49.	76.	92.	1900.	1000.	799.	540.	665.	233.	71.	52.	31.

Remarks

YEAR OR PERIOD MEAN 7.58
ACRE-FEET 5510.

FORM Cb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. V300-R

Daily discharge, in second-feet of SANTA CLARA RIVER at Blue Cut, for the year ending September 30, 1957

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.4	0.6	1.0	1.1	3.1	275	11	5.9	1.9	0.9	0.3	0.3
2	0.4	0.6	1.0	1.0	3.1	22	11	6.6	1.8	0.8	0.3	0.3
3	0.5	0.6	1.0	1.0	3.1	17	10	6.6	1.7	0.6	0.4	0.3
4	0.6	0.6	1.1	1.1	3.1	16	9.8	6.0	1.7	0.6	0.5	0.3
5	0.6	0.6	1.1	4.8	3.1	16	9.4	4.9	1.5	0.6	0.4	0.2
6	0.6	0.6	1.1	1.8	3.3	15	10	3.9	1.5	0.7	0.4	0.2
7	0.6	0.6	1.1	1.7	3.5	14	9.4	3.7	1.5	0.6	0.4	0.2
8	0.6	0.7	0.9	1.7	3.7	13	9.8	3.7	1.7	0.5	0.4	0.3
9	0.6	0.7	0.9	1.7	3.7	15	9.4	3.5	1.8	0.4	0.4	0.3
10	0.6	0.8	1.0	1.7	3.7	13	9.1	3.3	1.9	0.5	0.4	0.3
11	0.6	0.7	1.0	1.7	4.2	13	9.1	3.1	1.9	0.4	0.4	0.4
12	0.6	0.9	1.0	9.0	3.9	13	8.4	3.1	2.1	0.4	0.4	0.4
13	0.6	1.2	1.1	124	3.7	13	7.8	2.9	2.2	0.4	0.3	0.4
14	0.5	1.2	1.1	4.2	4.2	13	7.5	2.9	2.1	0.4	0.3	0.5
15	0.5	1.0	1.0	2.6	4.4	12	7.2	2.9	2.1	0.4	0.3	0.5
16	0.5	0.8	0.9	2.2	4.6	17	7.2	2.9	1.8	0.4	0.3	0.5
17	0.6	0.8	0.9	2.1	4.9	14	8.4	2.9	1.2	0.5	0.4	0.5
18	0.6	0.8	1.0	1.9	5.4	14	10	3.3	1.2	0.6	0.4	0.4
19	0.6	0.7	1.0	1.9	5.4	14	8.4	4.4	1.2	0.5	0.4	0.4
20	0.5	0.7	1.0	2.6	5.4	13	11	2.9	1.2	0.5	0.3	0.4
21	0.4	0.7	1.0	2.4	5.4	13	11	2.7	1.1	0.5	0.2	0.5
22	0.5	0.8	0.9	1.9	5.7	13	9.8	2.7	1.1	0.5	0.2	0.6
23	0.6	0.8	0.9	2.1	43	13	11	2.6	1.0	0.6	0.2	0.4
24	0.7	0.7	0.9	3.1	11	13	9.8	2.4	1.0	0.6	0.2	0.4
25	0.6	0.7	0.9	2.4	8.1	13	9.4	2.2	1.1	0.6	0.2	0.4
26	0.6	0.8	0.9	5.5	8.1	13	8.8	2.1	1.2	0.5	0.2	0.4
27	0.6	0.8	0.9	3.5	8.1	13	8.1	2.1	1.2	0.4	0.3	0.3
28	0.6	0.9	0.9	3.3	57	12	7.8	2.1	1.2	0.4	0.3	0.3
29	0.6	0.9	0.9	4.2		12	7.8	2.1	1.2	0.4	0.4	0.3
30	0.7	0.9	1.0	3.7		11	7.5	2.1	1.1	0.3	0.4	0.3
31	0.6		1.1	3.1		11		2.1		0.3	0.4	
	17.6	23.2	30.5	205.0	225.9	689.0	274.9	105.6	45.2	15.8	10.4	11.0
MEAN	0.57	0.77	0.98	6.61	8.07	22.2	9.16	3.41	1.51	0.51	0.34	0.37
ACRE-FEET	35.	46.	60.	407.	448.	1370.	545.	209.	90.	31.	21.	22.

Remarks:

YEAR MEAN 4.53
OR
PERIOD ACRE-FEET 3280.

STATION F280-R
SANTA FE CHANNEL (RIO HONDO DIVERSION) 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 3 FEET WIDE, 10 FEET BELOW STATION.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM FOOTBRIDGE ABOVE CONTROL.

RECORDER: INSTALLED OCTOBER 1953 OVER A 24-INCH WIDE COMBINATION STILLING WELL AND INTAKE DITCH. AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1955 TO SEPTEMBER 30, 1957.

REGULATION: FLOW REGULATED BY 5 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, 1957.

EXTREMES OF DISCHARGE:
1955-56
NO FLOW DURING YEAR.
1956-57
MAXIMUM 455 SECOND-FEET APRIL 16.
MINIMUM NO FLOW MOST OF YEAR.
1943-57
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~~ NEAR below Santa Fe Dam DURING THE YEAR ENDING SEPTEMBER 30, 1957

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.
94	4/13	0523 / 0543	BLAKELY-SARASUA	30.2	65.1	1.37	3.79	89.4		.2 .8	16	+.38	FC24
95	4/13	0550 / 0610	" "	31.0	73.9	1.64	4.12	121.		.2 .8	17	+.20	"
96	4/13	0905 / 1042	SARASUA-BLAKELY	32.0	112.	2.67	5.30	299.		.2 .8	18	+.27	"
97	4/13	1235 / 1327	BLAKELY-SARASUA	35.0	125.	2.78	5.62	348.		.2 .8	19	+.05	"
98	4/14	0914 / 1014	HOLLERON-BROOK	38.0	135.	2.97	5.97	401.		.2 .8	21	-.01	FC56
99	4/15	1114 / 1142	" "	39.0	143.	2.48	6.17	445.		.6 .2 .8	21	-.02	"
100	4/16	1321 / 1426	BROOK-HOLLERON	39.0	144.	3.14	6.16	452.		.6 .2 .8	21	0	"
101	4/17	0713 / 0749	HOLLERON-BROOK	32.5	88.6	2.22	4.64	196.		.2 .8	15	-.25	"
102	4/17	0802 / 0839	BROOK-HOLLERON	30.5	79.1	2.07	4.32	164.		.2 .8	15	-.24	"
103	4/17	0958 / 1024	HOLLERON-BROOK	29.5	60.5	1.65	3.71	100.		.2 .8	14	-.14	"
104	4/17	1106 / 1130	BROOK-HOLLERON	28.0	51.4	1.50	3.40	77.0		.6 .8	13	-.11	"
106	4/17	1519 / 1531	HOLLERON-BROOK	24.0	28.0	0.89	2.50	25.0		.6	13	-.04	"

19D74M C&b 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, 1957

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	0	0	0	0	0			
3	0	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	0			
6	0	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	RECORDER STOPPED		
9	0	0	0	0	0	0	0	0	0			
10	0	0	0	0	0	0	0	0	0			
11	0	0	0	0	0	0	0	0	0			
12	0	0	0	0	0	0	0	0	0			
13	0	0	0	0	0	0	251	0	0			
14	0	0	0	0	0	0	412	0		RECORDER STOPPED FOR SEASON		
15	0	0	0	0	0	0	447	0				
16	0	0	0	0	0	0	432	0				
17	0	0	0	0	0	0	151	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	0	0	0	1713	0	0	0	0	0
MEAN	0	0	0	0	0	0	57.1	0	0	0	0	0
ACRE-FEET	0	0	0	0	0	0	3400.	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 4.69
ACRE-FEET 3400.

STATION F125-R
SANTIAGO CREEK above Little Rock Creek

LOCATION: WATER-STAGE RECORDER, LAT. 34°27'59", LONG. 118°01'23"ON THE RIGHT (SOUTH) BANK ABOUT 1000 FEET ABOVE LITTLE ROCK CREEK, ELEVATION OF GAGE ABOUT 3280 FEET.

DRAINAGE AREA: 11.2 SQUARE MILES.

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

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING NEAR GAGE, HIGH FLOWS MEASURED FROM CABLE CAR BELOW GAGE.

RECORDER: RECORDER INSTALLED SEPTEMBER 29, 1953 OVER A 24 INCH CORRUGATED IRON PIPE STILLING WELL, AN H.C.F. CONTINUOUS RECORDER IN SERVICE FROM OCTOBER 1, 1955 TO SEPTEMBER 30, 1957.

REGULATION: NONE.

RECORDS AVAILABLE: SEPTEMBER 29, 1953 TO SEPTEMBER 30, 1957.

EXTREMES OF DISCHARGE:
1955-56
MAXIMUM 87 SECOND-FEET JANUARY 26.
MINIMUM NO FLOW PART OF YEAR.
1956-57
MAXIMUM 14.6 SECOND-FEET JANUARY 13.
MINIMUM NO FLOW PART OF YEAR.
1953-57
MAXIMUM 87 SECOND-FEET JANUARY 26, 1956.
MINIMUM NO FLOW PART OF EACH YEAR.

ACCURACY: GOOD.

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

DISCHARGE MEASUREMENTS OF SANTIAGO CREEK

~~AT~~ NEAR above Little Rock Creek 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.
72	12/21	0905	0915	WHISLER	2.9	0.46	0.65	0.43	0.30		.5	8	0	FC59
73	1/4	0918	0223	"	2.8	0.52	0.69	0.45	0.36		.5	7	0	"
74	1/18	1005	1010	"	2.9	0.50	0.62	0.44	0.31		.5	7	0	"
75	1/26	0838	0848	WHISLER-ROGERS	15.0	6.87	1.50	1.01	10.3		.6	16	+.02	FC5
76	1/27	1546	1555	" "	16.5	7.89	2.60	1.29	20.5		.6	12	0	"
77	1/29	1435	1440	WHISLER	7.5	2.50	1.56	0.97	3.9		.6	8	0	"
78	1/31	0805	0810	WHISLER-ROGERS	7.0	1.95	1.28	0.91	2.5		.5	8	0	"
79	2/2	1004	1009	WHISLER	5.0	1.39	1.44	0.86	2.0		.6	6	0	"
80	2/8	0912	0918	"	4.5	1.15	1.13	0.81	1.3		.6	8	0	FC59
81	2/15	0852	0859	"	4.5	1.15	1.04	0.80	1.2		.6	8	0	"
82	2/21	0850	0858	"	4.5	1.15	0.87	0.76	1.0		.5	8	0	"
83	2/29	0914	0918	"	4.4	1.01	0.95	0.76	0.96		.6	7	0	"
84	3/7	0850	0857	"	4.5	1.06	0.86	0.74	0.91		.6	6	0	"
85	3/14	0912	0918	"	4.0	1.01	0.77	0.75	0.78		.5	7	0	"
86	3/21	0906	0912	SJOSTEDT-WHISLER	2.9	0.80	0.70	0.74	0.56		.5	8	0	"
87	3/28	0900	0913	WHISLER	3.0	0.82	0.76	0.73	0.62		.5	9	0	"
88	4/5	1027	1035	"	2.9	0.85	0.80	0.72	0.68		.5	7	0	"
89	4/11	0904	0914	"	2.8	0.79	0.73	0.72	0.58		.5	8	0	"
90	4/14	0925	0935	"	3.5	1.34	1.27	0.82	1.7		.6	10	0	"
91	4/20	0900	0908	"	3.3	1.25	1.12	0.79	1.4		.5	9	0	"
92	4/26	0950	0956	"	3.2	0.96	0.88	0.75	0.85		.5	9	0	"
93	5/2	0848	0855	"	3.1	0.94	0.86	0.74	0.81		.5	9	0	"
94	5/16	0855	0902	"	2.8	0.69	0.84	0.72	0.58		.5	8	0	"
95	5/31	0903	0907	"	2.0	0.30	0.73	0.68	0.22		.5	5	0	"

DISCHARGE MEASUREMENTS OF SANTIAGO CREEK

~~AT~~ NEAR above Little Rock Creek 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.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
96	1/13	0911	0920	WHISLER-FEIKER	11.0	4.35	2.34	1.14	10.2		.5 .6	11	-.01	FC5
97	1/14	1237	1242	WHISLER	4.2	1.24	1.45	0.85	1.8		.5	5	0	"
98	1/16	0836	0844	"	2.7	0.71	0.99	0.77	0.70		.5	8	0	FC59
99	1/20	1625	1630	BOWMAN-WHISLER	2.6	0.73	0.78	0.76	0.57		.6	8	0	"
100	1/23	0929	0936	WHISLER	2.6	0.65	0.63	0.74	0.41		.5	8	0	"
101	1/30	1205	1211	WHISLER-BROOK	2.5	1.52	0.32	0.75	0.49		.5	7	0	"
102	2/26	0950	0954	WHISLER	2.6	0.70	0.77	0.75	0.54		.5	7	0	"
103	2/13	0930	0937	"	3.0	1.01	0.99	0.80	1.0		.5	9	0	"
104	2/20	0912	0918	WHISLER-BROOK	3.5	0.87	0.68	0.75	0.59		.5	7	0	"
105	2/23	1436	1444	WHISLER-BOWMAN	7.0	2.22	2.20	0.98	4.9		.6	8	0	FC5
106	2/27	0837	0847	WHISLER-MC BRIDE	3.6	1.07	1.03	0.78	1.1		.5 .6	8	0	FC59
107	3/1	0942	0953	" "	3.8	1.72	1.34	0.90	2.3		.6	10	0	"
108	3/7	0833	0841	WHISLER	3.5	1.12	0.98	0.81	1.1		.5 .6	8	0	"
109	3/13	0850	0858	"	3.0	1.01	0.88	0.78	0.89		.5	8	0	"
110	3/20	0838	0846	"	3.0	1.02	0.93	0.78	0.95		.5	8	0	"
111	3/27	0915	0925	WHISLER-LINDSAY	3.9	0.98	0.65	0.75	0.62		.5	9	0	"
112	4/3	1105	1114	BOWMAN-WHISLER	3.0	0.68	0.68	0.75	0.46		.5	7	0	"
113	4/10	0833	0839	WHISLER	3.5	0.83	0.54	0.73	0.45		.5	8	0	"
114	4/17	0820	0827	"	3.5	0.83	0.52	0.72	0.43		.5	8	0	"
115	4/24	0839	0845	"	3.5	0.90	0.67	0.73	0.60		.5	8	0	"
116	4/30	1230	1240	BOWMAN	3.0	0.66	0.55	0.69	0.36		.5	7	0	"
117	5/1	0823	0830	WHISLER	3.0	0.68	0.57	0.65	0.39		.5	7	0	"
118	5/8	0830	0836	WHISLER	3.0	0.64	0.41	0.64	0.26		.5	7	0	"
119	5/15	0838	0844	"	3.0	0.68	0.56	0.67	0.38		.5	7	0	"
120	5/22	0830	0836	"	3.0	0.66	0.58	0.67	0.38		.5	7	0	"
121	5/28	0826	0832	"	2.6	0.44	0.25	0.59	0.11		.5	6	0	"

74D74M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F125-R

Daily discharge, in second-feet of SANTIAGO CREEK above Little Rock Creek for the year ending September 30, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0.4	2.1	0.9	0.7	0.8	0.1	0	0	0
2	0	0	0	9.4	2.0	0.9	0.7	0.8	0.1	0	0	0
3	0	0	0	0.4	2.0	0.9	0.7	0.7	+	0	0	0
4	0	0	0	0.4	1.9	0.9	0.7	0.7	+	0	0	0
5	0	0	0	0.3	1.6	0.9	0.7	0.7	+	0	0	0
6	0	0	0	0.3	1.5	0.9	0.7	0.7	0	0	0	0
7	0	0	0	0.4	1.4	0.9	0.6	0.7	0	0	0	0
8	0	0	0	0.4	1.3	0.9	0.6	0.7	0	0	0	0
9	0	0	0	0.4	1.2	0.8	0.6	1.0	0	0	0	0
10	0	0	+	0.4	1.2	0.8	0.5	1.0	0	0	0	0
11	0	0	0.1	0.4	1.2	0.8	0.6	0.9	0	0	0	0
12	0	0	0.2	0.4	1.2	0.8	1.5	0.8	0	0	0	0
13	0	0	0.2	0.4	1.2	0.8	1.9	0.7	0	0	0	0
14	0	0	0.2	0.4	1.2	0.8	1.6	0.6	0	0	0	0
15	0	0	0.3	0.4	1.2	0.8	1.5	0.5	0	0	0	0
16	0	0	0.3	0.4	1.2	0.7	1.5	0.5	0	0	0	0
17	0	0	0.3	0.4	1.1	0.7	1.5	0.5	0	0	0	0
18	0	0	0.3	0.3	1.1	0.6	1.5	0.4	0	0	0	0
19	0	0	0.3	0.3	1.1	0.6	1.4	0.3	0	0	0	0
20	0	0	0.3	0.3	1.1	0.6	1.4	0.3	0	0	0	0
21	0	0	0.3	0.3	1.0	0.6	1.2	0.3	0	0	0	0
22	0	0	0.4	0.3	1.0	0.6	1.1	0.2	0	0	0	0
23	0	0	0.4	0.3	1.0	0.6	1.1	0.2	0	0	0	0
24	0	0	0.4	0.3	1.0	0.6	0.9	0.2	0	0	0	0
25	0	0	0.4	0.5	1.0	0.6	0.9	0.2	0	0	0	0
26	0	0	0.4	41	1.0	0.6	0.9	0.2	0	0	0	0
27	0	0	0.4	25	0.9	0.6	1.1	0.2	0	0	0	0
28	0	0	0.4	8.2	0.9	0.6	0.9	0.2	0	0	0	0
29	0	0	0.4	4.0	0.9	0.6	0.8	0.2	0	0	0	0
30	0	0	0.4	3.0		0.7	0.8	0.2	0	0	0	0
31	0		0.4	2.4		0.7		0.2		0	0	
	0	0	6.8	92.8	36.5	22.8	30.6	15.6	0.2	0	0	0
MEAN	0	0	0.22	2.99	1.26	0.74	1.02	0.50	.007	0	0	0
ACRE-FEET	0	0	13.	184.	72.	45.	61.	31.	0.4	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.56
ACRE-FEET 406.

74D74M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

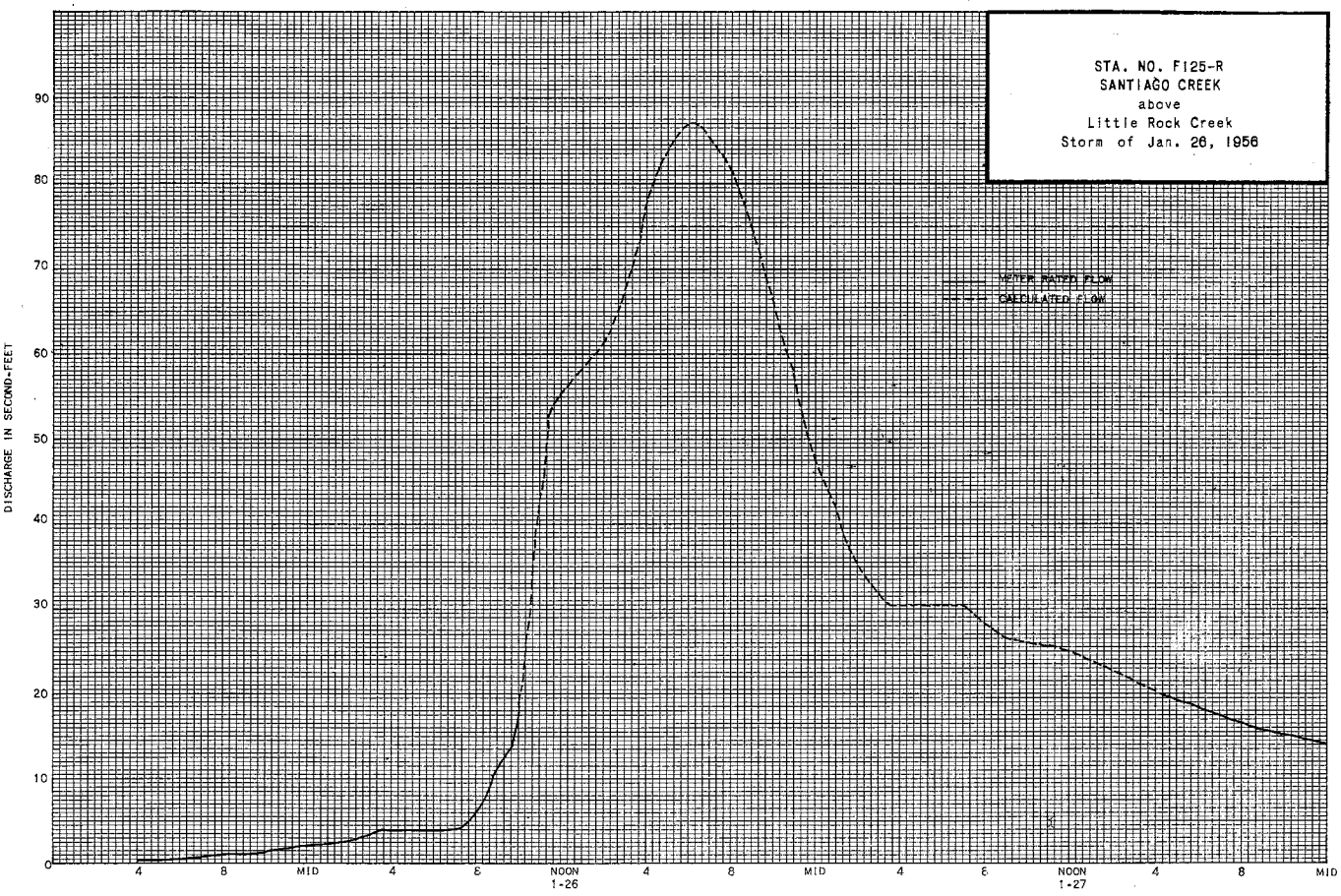
Sta. No. F125-R

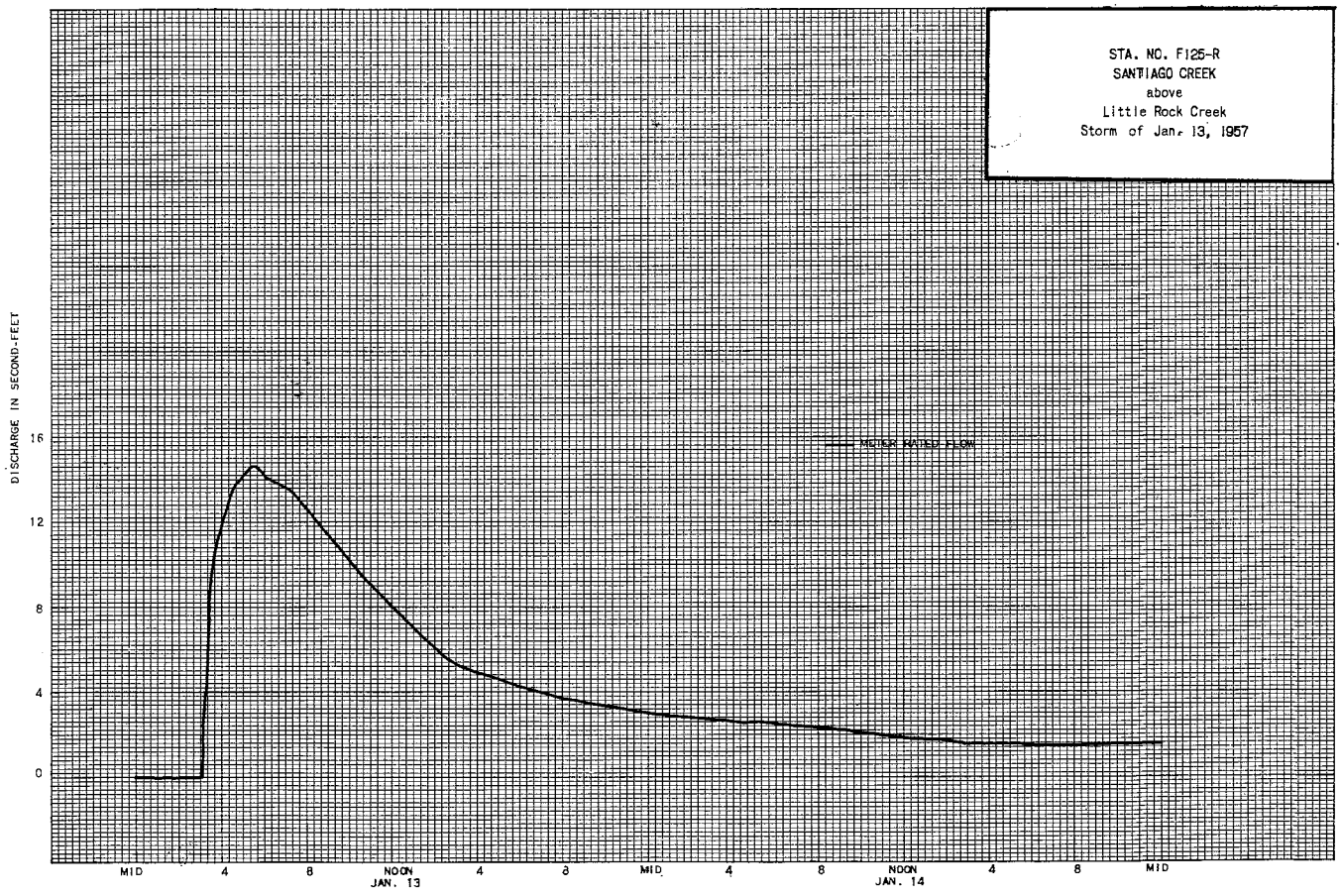
Daily discharge, in second-feet of SANTIAGO CREEK above Little Rock Creek for the year ending September 30, 1957

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0.5	2.2	0.5	0.2	+	0	0	0
2	0	0	0	0	0.5	2.0	0.5	0.3	0	0	0	0
3	0	0	0	0	0.5	1.6	0.5	0.3	0	0	0	0
4	0	0	0	0	0.5	1.4	0.5	0.3	0	0	0	0
5	0	0	0	0	0.5	1.2	0.5	0.2	0	0	0	0
6	0	0	0	0	0.5	1.1	0.5	0.2	0	0	0	0
7	0	0	0	0	0.5	1.1	0.5	0.2	0	0	0	0
8	0	0	0	0	0.7	1.1	0.5	0.2	0	0	0	0
9	0	0	0	0	1.4	0.1	0.5	0.2	0	0	0	0
10	0	0	0	0	1.3	1.0	0.5	0.2	0	0	0	0
11	0	0	0	0	1.2	0.9	0.5	0.3	0	0	0	0
12	0	0	0	0	1.1	0.9	0.5	0.3	0	0	0	0
13	0	0	0	6.8	1.0	0.9	0.5	0.3	0	0	0	0
14	0	0	0	2.0	1.0	0.9	0.4	0.3	0	0	0	0
15	0	0	0	1.1	0.9	0.9	0.4	0.3	0	0	0	0
16	0	0	0	0.7	0.8	1.1	0.4	0.3	0	0	0	0
17	0	0	0	0.7	0.7	1.1	0.5	0.2	0	0	0	0
18	0	0	0	0.6	0.7	0.9	0.7	0.3	0	0	0	0
19	0	0	0	0.5	0.6	0.9	0.7	0.3	0	0	0	0
20	0	0	0	0.5	0.6	0.9	0.7	0.3	0	0	0	0
21	0	0	0	0.5	0.6	0.9	0.7	0.3	0	0	0	0
22	0	0	0	0.5	0.6	0.8	0.7	0.3	0	0	0	0
23	0	0	0	0.4	3.6	0.8	0.7	0.3	0	0	0	0
24	0	0	0	0.4	2.8	0.8	0.6	0.2	0	0	0	0
25	0	0	0	0.4	1.9	0.7	0.6	0.2	0	0	0	0
26	0	0	0	0.5	1.4	0.7	0.6	0.1	0	0	0	0
27	0	0	0	0.5	1.2	0.6	0.5	0.1	0	0	0	0
28	0	0	0	0.5	1.4	0.6	0.4	0.1	0	0	0	0
29	0	0	0	0.5		0.6	0.3	+	0	0	0	0
30	0	0	0	0.5		0.5	0.2	+	0	0	0	0
31	0		0	0.5		0.5		+		0	0	
	0	0	0	18.1	29.0	30.7	15.6	6.8	+	0	0	0
MEAN	0	0	0	0.58	1.04	0.99	0.52	0.22	+	0	0	0
ACRE-FEET	0	0	0	36.	58.	61.	31.	13.	+	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.27
ACRE-FEET 199.


STA. NO. F125-R
SANTIAGO CREEK
above
Little Rock Creek
Storm of Jan. 26, 1956
METER RATED FLOW
CALCULATED FLOW
DISCHARGE IN SECOND-FEET
0
10
20
30
40
50
60
70
80
90
4
8
MID
4
8
NOON
1-26
4
8
MID
4
8
NOON
1-27
4
8
MID


STA. NO. F125-R
SANTIAGO CREEK
above
Little Rock Creek
Storm of Jan. 13, 1957
METER RATED FLOW
DISCHARGE IN SECOND-FEET
0
4
8
12
16
MID
4
8
NOON
JAN. 13
4
8
MID
4
8
NOON
JAN. 14
4
8
MID

STATION F278-R
SAWPIT CREEK below Sawpit Dam

LOCATION: WATER-STAGE RECORDER, LAT. 34°10'32", LONG. 117°59'16", ON THE RIGHT (NORTH) SIDE OF THE STREAM, ABOUT 500 FEET DOWNSTREAM FROM SAWPIT DAM AND ABOUT 2.5 MILES NORTH OF MONROVIA. ELEVATION OF GAGE 1199.27 FEET.

DRAINAGE AREA: 3.3 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - SAND AND GRAVEL. A BROAD-CRESTED WEIR FORMS THE CONTROL.

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

RECORDER: INSTALLED FEBRUARY 6, 1942, REMOVED AUGUST 31 AND INSTALLED IN THE PRESENT LOCATION ON SEPTEMBER 4, 1943. AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1955 TO SEPTEMBER 30, 1957.

REGULATION: FLOW REGULATED BY SAWPIT DAM. STATION F278-R MEASURES OUTLET DISCHARGE. SPILLWAY DISCHARGE ENTERS SAWPIT CREEK BELOW THE STATION.

DIVERSIONS: CITY OF MONROVIA DIVERTS FLOW ABOVE SAWPIT DAM.

RECORDS AVAILABLE: FEBRUARY 6, 1942 TO SEPTEMBER 30, 1957. OUTFLOW RECORDS FROM SAWPIT DAM ARE AVAILABLE COMMENCING OCTOBER 1, 1931.

EXTREMES OF DISCHARGE:
1955-56
MAXIMUM 35 SECOND-FEET JANUARY 26.
MINIMUM NO FLOW MOST OF YEAR.
1956-57
MAXIMUM 3.3 SECOND-FEET FEBRUARY 23.
MINIMUM NO FLOW PART OF YEAR.
1942-57
MAXIMUM 665 SECOND-FEET, MARCH 2, 1938, BASED ON DAM OPERATION RECORDS AND INCLUDING SPILLWAY FLOW. SPILLWAY FLOW BY-PASSED STATION.
MAXIMUM OUTLET DISCHARGE FROM SAWPIT DAM, 284 SECOND-FEET, JANUARY 23,1943.
MINIMUM NO FLOW, VARIOUS PERIODS EACH YEAR.

ACCURACY: GOOD.

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

DISCHARGE MEASUREMENTS OF SAWPIT CREEK

AT OR NEAR below Sawpit Dam 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.
120	1/25	1455 / 1458	STUNDEN	1.0	0.08	3.50	0.06	0.28	FLOATS		5	0	
121	1/26	0536 / 0540	STUNDEN	1.2	0.22	5.00	0.21	1.1	"		5	0	
122	1/26	1100 / 1110	STUNDEN-PHENIX	7.5	6.31	4.46	1.55	28.3		.6	9	0	FC36
123	1/31	1530 / 1535	STUNDEN	1.2	0.25	4.40	0.26	1.1	FLOATS		5	0	
124	2/2	0921 / 0926	"	1.2	0.16	4.36	0.20	0.70	"		6	0	
125	2/9	1131 / 1135	"	1.1	0.07	3.57	0.07	0.25	"		5	0	
126	2/16	1038 / 1040	SADDORIS	1.2	0.19	0.78	0.05	0.15		.5	4	0	FC26
127	2/23	1048 / 1052	STUNDEN	1.1	0.06	3.83	0.04	0.23	FLOATS		5	0	
128	3/1	1325 / 1330	STUNDEN	1.1	0.08	3.38	0.07	0.27	"		5	0	
129	3/8	1028 / 1031	"	1.1	0.06	3.16	0.05	0.19	"		5	0	
130	3/15	1340 / 1345	SJOSTEDT	1.1	0.04	4.49	0.04	0.18	"		5	0	
131	3/22	1150 / 1153	STUNDEN	1.0	0.04	4.00	0.04	0.16	"		4	0	
132	3/29	1230 / 1235	"	1.0	0.05	3.81	0.05	0.19	"		4	0	
133	9/5	1120 / 1125	"	1.0	0.05	3.80	0.05	0.19	"		5	0	
134	4/12	1031 / 1035	"	1.1	0.10	3.40		0.34	"	.6	6	0	
135	4/12	2050 / 1055	"	1.0	0.07	3.57	0.07	0.25	"		4	0	
136	4/19	0745 / 0750	"	1.1	0.04	3.50	0.04	0.14	"		5	0	
137	4/26	1035 / 1038	"	1.1	0.05	4.00	0.05	0.20	"		4	0	
138	5/3	0940 / 0943	"	1.4	0.23	0.39	0.04	0.09		.5	4	0	FC26
139	5/9	1002 / 1006	"	1.1	0.05	3.60	0.05	0.18	FLOATS		5	0	
140	5/17	1210 / 1215	"	1.1	0.04	5.00	0.04	0.20	"		5	0	
141	5/23	1250 / 1254	"	1.1	0.04	3.51	0.04	0.14	"		5	0	
142	5/31	1000 / 1005	"	1.1	0.03	3.70	0.03	0.11	"		5	0	
143	6/7	1140 / 1145	"	1.0	0.02	3.50	0.02	0.07	"		4	0	
144	7/16	1310 / 1330	HOLLERON	6.3	3.50	1.29	0.58	4.5		.5 .6	14	-.02	FC34
145	7/16	1446 / 1502	"	6.3	3.65	1.37	0.65	5.0		.5 .6	14	-.02	"
146	7/16	1740 / 1800	"	6.4	3.74	1.44	0.66	5.4		.5 .6	14	0	"
147	7/17	0832 / 0856	"	6.5	4.05	1.43	0.75	5.8		.5 .6	14	-.01	"
148	7/17	1320 / 1338	"	6.5	3.84	1.46	0.66	5.6		.6	14	-.01	"
149	7/17	1522 / 1538	"	8.7	5.96	2.45	1.40	14.6		.6	10	0	"

DISCHARGE MEASUREMENTS OF SAWPIT CREEK

AT OR NEAR below Sawpit Dam DURING THE YEAR ENDING SEPTEMBER 30, 1957

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.
150	3/1	1502 / 1504	HOLLERON	1.1	0.09	4.11	0.08	0.37	FLOATS		5	0	
151	3/7	1330 / 1338	"	1.4	0.33	0.58	0.04	0.19		.5	6	0	FC48
152	3/14	1124 / 1128	WOOD-HOLLERON	1.4	0.33	0.61	0.03	0.20		.5	5	0	"
153	3/16	0846 / 0850	HOLLERON-HENSLEY	1.4	0.38	1.24	0.08	0.47		.5	5	0	"
154	3/21	1310 / 1314	HOLLERON	1.3	0.29	0.48	0.03	0.14		.5	5	0	"

74D74M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F278-R

Daily discharge, in second-feet of SAWPIT CREEK below Sawpit 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	0.8	0.2	0.2	0.1	0.1	0	0	0
2	0	0	0	0	0.7	0.2	0.2	0.1	0.1	0	0	0
3	0	0	0	0	0.7	0.2	0.2	0.1	0.1	0	0	0
4	0	0	0	0	0.4	0.2	0.1	0.1	0.1	0	0	0
5	0	0	0	0	0.4	0.2	0.2	0.1	0.1	0	0	0
6	0	0	0	0	0.3	0.2	0.2	0.1	0.1	0	0	0
7	0	0	0	0	0.3	0.2	0.2	0.1	0.1	0	0	0
8	0	0	0	0	0.2	0.2	0.2	0.1	0.1	0	0	0
9	0	0	0	0	0.2	0.2	0.2	0.2	0.1	0	0	0
10	0	0	0	0	0.2	0.2	0.2	0.2	0.1	0	0	0
11	0	0	0	0	0.2	0.2	0.2	0.2	0.1	0	0	0
12	0	0	0	0	0.2	0.2	0.2	0.2	0.1	0	0	0
13	0	0	0	0	0.2	0.2	0.2	0.2	0.1	0	0	0
14	0	0	0	0	0.1	0.2	0.2	0.2	0.1	0	0	0
15	0	0	0	0	0.1	0.2	0.2	0.2	+	0	0	0
16	0	0	0	0	0.1	0.2	0.2	0.1		2.5	0	0
17	0	0	0	0	a 0.1	0.2	0.1	0.1		3.9	0	0
18	0	0	0	0	0.1	0.2	0.1	0.1		0	0	0
19	0	0	0	0	0.1	0.2	0.1	0.1		0	0	0
20	0	0	0	0	0.1	0.2	0.1	0.1		0	0	0
21	0	0	0	0	0.1	0.2	0.1	0.1		0	0	0
22	0	0	0	0	0.1	0.2	0.1	0.1		0	0	0
23	0	0	0	0	a 0.2	0.2	0.1	0.1		0	0	0
24	0	0	0	0	0.2	0.2	0.1	0.1		0	0	0
25	0	0	0	0.1	0.4	0.2	0.1	0.1		0	0	0
26	0	0	0	2.1	0.4	0.2	0.2	0.1		0	0	0
27	0	0	0	2.3	0.3	0.1	0.2	0.1	+	0	0	0
28	0	0	0	5.1	0.3	0.1	0.2	0.1	0	0	0	0
29	0	0	0	2.5	0.3	0.2	0.2	0.1	0	0	0	0
30	0	0	0	1.6		0.2	0.2	0.1	0	0	0	0
31	0		0	1.0		0.2		0.1		0	0	
	0	0	0	54.3	7.8	6.0	5.0	3.8	1.4	6.4	0	0
MEAN	0	0	0	1.75	0.27	0.19	0.17	0.12	0.05	0.21	0	0
ACRE-FEET	0	0	0	108.	15.	12.	9.9	7.5	2.8	13.	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.23
ACRE-FEET 168.

74D74M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F278-R

Daily discharge, in second-feet of SAWPIT CREEK below Sawpit Dam, for the year ending September 30, 19 57

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0.3	+	+	+	0	0	0
2	0	0	0	0	0	0.3				0	0	0
3	0	0	0	0	0	0.3				0	0	0
4	0	0	0	0	0	0.2			+	0	0	0
5	0	0	+	0	0	0.2			0	0	0	0
6	0	0	+	0	0	0.1				0	0	0
7	0	0	0	0	0	0.1				0	0	0
8	0	0	0	0	0	0.1				0	0	0
9	0	0	0	0	0	0.2				0	0	0
10	0	0	0	0	0	0.2				0	0	0
11	0	0	0	0	0	0.2				0	0	0
12	0	0	0	0	0	0.1	+			0	0	0
13	0	0	0	0	0	0.1	0.1	+		0	0	0
14	0	0	0	0	0	0.1	0.1	0		0	0	0
15	0	0	0	0	0	0.1	0.1	0		0	0	0
16	0	0	0	0	0	0.2	0.1	0		0	0	0
17	0	0	0	0	0	0.2	0.1	0		0	0	0
18	0	0	0	0	0	0.1	0.1	0		0	0	0
19	0	0	0	0	0	0.1	+	0.1		0	0	0
20	0	0	0	0	0	0.1	0.1	+		0	0	0
21	0	0	0	0	0	0.1	0.1			0	0	0
22	0	0	0	0	0	0.1	+			0	0	0
23	0	0	0	0	0.6	0.1	+			0	0	0
24	0	0	0	0	0.4	0.1	0			0	0	0
25	0	0	0	0	0.5	0.1	0			0	0	0
26	0	0	0	0	0.3	0.1	0			0	0	0
27	0	0	0	0	0.2	0.1	0			0	0	0
28	0	0	0	0	0.3	0.1	0			0	0	0
29	0	0	0	0		0.1	0			0	0	0
30	0	0	0	0		0.1	0		0	0	0	0
31	0		0	0		0.1		+		0	0	
	0	0	0	0	2.3	4.4	0.8	0.1	+	0	0	0
MEAN	0	0	+	0	0.08	0.14	.027	+	+	0	0	0
ACRE-FEET	0	0	+	0	4.6	8.7	1.6	0.2	+	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.02
ACRE-FEET 15.1

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 1957.

AVERAGE DISCHARGE: 40 YEARS (1917-1957) 1.10 SECOND-FEET: INCLUDING DIVERSION BY MONROVIA PIPE LINE, 40 YEARS, 2.47 SECOND-FEET.

EXTREMES OF DISCHARGE:

1955-56
MAXIMUM DISCHARGE 113 SECOND-FEET JANUARY 26 (GAGE HEIGHT 4.25 FEET)
MINIMUM NO FLOW DURING SEVERAL MONTHS.

1956-57
MAXIMUM DISCHARGE 14 SECOND-FEET JANUARY 13, GAGE HEIGHT 2.65 FEET.
MINIMUM NO FLOW DURING MOST OF YEAR.

1916-57
MAXIMUM DISCHARGE ABOUT 2000 SECOND-FEET APRIL 7, 1926, ESTIMATED FROM FLOW OF ROGERS CREEK.
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.

DISCHARGE MEASUREMENTS OF SAWPIT CREEK

AT NEAR below Monrovia 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.
1026	11/23		U.S.G.S.				2.48	0.01		FLUME			
1027	12/17		"				2.49	0.03		"			
1028	12/29		"				2.51	0.06		"			
1029	1/11		"				2.51	0.08		"			
1030	1/25		"				2.57	0.20		"			
1031	1/26		"	15.0	6.00	6.50	3.45	39.0		EST.			
1032	2/3		"	3.5	0.96	1.44	2.13	1.38		.5	15	0	
1033	2/14		"	2.7	0.52	0.88	2.02	0.46		.5	15	0	
1034	2/27		"	2.4	0.82	0.93	2.08	0.76		.6	14	0	
1035	3/13		"	1.9	0.46	0.80	2.02	0.37		.5	12	0	
1036	3/28		"				1.97	0.17		FLUME			
1037	4/11		"				1.97	0.18		"			
1038	4/24		"				2.00	0.29		"			
1039	5/3	1916 / 1020	SADDORIS	1.6	0.25	0.32	0.08			.5	4	0	FC50
1040	5/7		U.S.G.S.	1.9	0.40	0.58	1.99	0.23		.5	12	0	
1041	5/22		"				1.98	0.24		FLUME			
1042	6/6		"				1.97	0.13		"			
1043	6/19		"				1.96	0.10		"			
1044	7/5		"				1.90	0.03		"			
1045	7/18		"				1.94	0.12		"			

DISCHARGE MEASUREMENTS OF SAWPIT CREEK

AT NEAR below Monrovia Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1957

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.
1047	1/13		U.S.G.S.	4.2	1.08	1.55	2.31	1.67		.5 / .6	10	-.01	
1048	1/22		"				2.08	0.04		FLUME		0	
1049	1/26	1105 / 1113	HENSLEY-HOLLERON	1.1	0.10	0.70	2.08	0.07		.5	5	0	
1050	2/4		U.S.G.S.	1.2	0.25	1.36	2.20	0.34		.5	7	0	
1051	2/7	1405 / 1410	HOLLERON	1.2	0.26	1.08	2.18	0.28		.5	5	0	
1052	2/13		U.S.G.S.	1.2	0.21	0.95	2.17	0.20		.5	7	0	
1053	2/20	1105 / 1110	MC BRIDE-HOLLERON	1.2	0.25	0.88	2.16	0.22		.5	5	0	
1054	2/23	0907 / 0917	HOLLERON-BROOK	11.5	2.88	1.88	2.51	5.40		.6	8	0	
1055	2/28	1600 / 1610	HOLLERON-HENSLEY	3.4	0.83	1.56	2.33	1.29		.5	8	0	
1056	3/5		U.S.G.S.	2.9	0.63	0.98	2.27	0.62		.5	16	0	
1057	3/6	0815 / 0822	HOLLERON	2.9	0.62	0.84	2.25	0.52		.5	8	0	
1058	3/16	0808 / 0814	HOLLERON-HENSLEY	2.9	0.90	0.89	2.24	0.80		.5	7	0	
1059	3/21		U.S.G.S.	2.0	0.42	0.64	2.12	0.27		.5	11	0	
1060	3/21		"	1.3	0.27	1.00	1.84	0.27		.5	8	0	
1061	3/27	1402 / 1404	HOLLERON	0.4	0.06	0.83	1.73	0.05		.5	3	0	
1062	3/30		U.S.G.S.	0.3	0.03	1.00	1.68	0.03		.5	1	0	
1063	4/15		"				1.67	0.01		FLUME		0	
1064	4/20	1522 / 1530	HOLLERON-WOOD	1.3	0.32	0.53	1.78	0.17		.5	7	0	
1065	4/25	1328 / 1332	HOLLERON	0.5	0.07	0.57	1.69	0.04		.5	5	0	
1066	5/7		U.S.G.S.				1.64	0.01		FLUME		0	
1067	5/22		"				1.66	0.02		FLUME		0	
1068	6/11		"				1.64	0.01		FLUME		0	

7ED74M Gb 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, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0.1	1.9	0.6	0.3	0.1	0.2	0	0	0
2	0	0	0.1	0.1	1.6	0.5	0.3	0.1	0.1	0	0	0
3	0	0	0	0	1.3	0.5	0.2	0.1	0.1	0	0	0
4	0	0	0	0	1.1	0.5	0.2	0.1	0.1	0	0	0
5	0	0	0	0	1.0	0.5	0.3	0.2	0.1	0	0	0
6	0	0	0	0.1	0.8	0.5	0.2	0.2	0.1	0	0	0
7	0	0	0	0.1	0.8	0.5	0.2	0.2	0.1	0	0	0
8	0	0	0	0	0.8	0.4	0.2	0.2	0.1	0	0	0
9	0	0	0	0.1	0.7	0.4	0.2	0.7	0.1	0	0	0
10	0	0	0	0.1	0.6	0.4	0.2	0.6	0.1	0	0	0
11	0	0	0	0.1	0.6	0.4	0.2	0.5	0	0	0	0
12	0	0	0	0.1	0.5	0.4	0.6	0.4	0	0	0	0
13	0	0	0	0	0.5	0.4	0.8	0.4	0	0	0	0
14	0	0	0	0	0.5	0.4	0.6	0.3	0	0	0	0
15	0	0	0	0	0.5	0.3	0.6	0.3	0.1	0	0	0
16	0	0	0	0.1	0.5	0.4	0.5	0.3	0.1	1.0	0	0
17	0	0	0	0.1	0.5	0.3	0.4	0.3	0.1	2.9	0	0
18	0	0	0	0.1	0.5	0.3	0.4	0.3	0.1	0.1	0	0
19	0	0	0	0.1	0.5	0.3	0.4	0.3	0.1	0	0	0
20	0	0	0	0.1	0.6	0.3	0.3	0.3	0.1	0	0	0
21	0	0	0	0.1	0.5	0.3	0.3	0.3	0.1	0	0	0
22	0	0	0	0.1	0.4	0.3	0.3	0.2	0.1	0	0	0
23	0	0	0	0.1	1.0	0.3	0.3	0.2	0.1	0	0	0
24	0	0	0.1	0.1	0.9	0.3	0.3	0.2	0.1	0	0	0
25	0	0	0.1	1.6	0.9	0.3	0.2	0.2	0.1	0	0	0
26	0	0	0.1	4.4	0.8	0.3	0.3	0.2	0	0	0	0
27	0	0	0.1	2.5	0.8	0.3	0.3	0.2	0	0	0	0
28	0	0	0.1	9.6	0.8	0.2	0.3	0.2	0.1	0	0	0
29	0	0	0.1	4.6	0.7	0.3	0.3	0.2	0.1	0	0	0
30	0	0	0.1	3.0		0.2	0.2	0.2	0	0	0	0
31	0		0.1	2.1		0.2		0.2		0	0	
	0	0	0.9	91.6	22.6	11.3	9.9	8.2	2.4	4.0	0	0
MEAN	0	0	0.03	2.95	0.78	0.36	0.33	0.26	0.08	0.13	0	0
ACRE-FEET	0	0	1.8	182.	45.	22.	20.	16.	4.8	7.9	0	0

Remarks:

YEAR OR PERIOD MEAN 0.41
ACRE-FEET 300.

7ED74M Gb 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, 1957

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0.2	1.2	0	0	0	0	0	0
2	0	0	0	0	0.2	1.0	0	0	0	0	0	0
3	0	0	0	0	0.3	0.8	0	0	0	0	0	0
4	0	0	0	0	0.3	0.8	0	0	0	0	0	0
5	0	0	0	0	0.3	0.6	0	0	0	0	0	0
6	0	0	0	0	0.3	0.5	0	0	0	0	0	0
7	0	0	0	0	0.3	0.5	0	0	0	0	0	0
8	0	0	0	0	0.3	0.6	0	0	0	0	0	0
9	0	0	0	0	0.3	0.8	0	0	0	0	0	0
10	0	0	0	0	0.2	0.6	0	0	0	0	0	0
11	0	0	0	0.1	0.2	0.5	0	0.2	0	0	0	0
12	0	0	0	0.2	0.2	0.4	0	0.6	0	0	0	0
13	0	0	0	3.6	0.2	0.4	0	0.4	0	0	0	0
14	0	0	0	0.4	0.2	0.3	0	0.3	0	0	0	0
15	0	0	0	0.2	0.2	0.3	0	0.1	0	0	0	0
16	0	0	0	0.2	0.2	0.6	0	0	0	0	0	0
17	0	0	0	0.1	0.2	0.6	0	0	0	0	0	0
18	0	0	0	0.1	0.2	0.4	0.3	0	0	0	0	0
19	0	0	0	0.1	0.2	0.3	0.2	1.2	0	0	0	0
20	0	0	0	0.1	0.2	0.2	0.2	0.3	0	0	0	0
21	0	0	0	0.1	0.2	0.3	0.4	0.2	0	0	0	0
22	0	0	0	0	0.2	0.2	0.1	0	0	0	0	0
23	0	0	0	0	3.0	0.2	0	0	0	0	0	0
24	0	0	0	0	1.5	0.2	0	0	0	0	0	0
25	0	0	0	0	1.4	0.1	0	0	0	0	0	0
26	0	0	0	0.1	1.1	0.1	0	0	0	0	0	0
27	0	0	0	0	1.0	0	0	0	0	0	0	0
28	0	0	0	0	1.0	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	5.3	14.1	12.5	1.2	3.3	0	0	0	0
MEAN	0	0	0	0.17	0.50	0.40	0.04	0.11	0	0	0	0
ACRE-FEET	0	0	0	11.	28.	25.	2.4	6.5	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 0.41
ACRE-FEET 73.

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: INSTALLED JANUARY 22, 1951 OVER A 48-INCH DIAMETER CONCRETE PIPE STILLING WELL. A STEVENS TYPE A35-B RECORDER IN SERVICE FROM OCTOBER 1, 1955 TO SEPTEMBER 30, 1957.

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, 1957. 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:

1955-56
MAXIMUM 3130 SECOND-FEET JANUARY 26.
MINIMUM 0.4 SECOND-FOOT VARIOUS TIMES DURING YEAR.
1956-57
MAXIMUM 4170 SECOND-FEET FEBRUARY 23.
MINIMUM 0.5 SECOND-FOOT VARIOUS TIMES DURING YEAR.
1951-57
MAXIMUM 4240 SECOND-FEET JANUARY 16, 1952.

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 above Culver Boulevard 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.
213	10/6	1035 / 1043	DE MARS - SCOTT	3.30	0.52	0.86		0.45		.5	8		FC48
214	10-13	1012 / 1022	DE MARS	3.30	0.48	1.23		0.59		.5	8		"
215	10/20	1340 / 1347	"	4.00	0.53	0.77		0.41		.5	9		"
216	10/27	1421 / 1430	"	3.50	0.46	1.20		0.55		.5	8		"
217	11/3	1340 / 1352	"	3.7	0.77	1.06		0.82		.5	10		"
218	11/10	1453 / 1500	"	3.6	0.69	1.42		0.98		.5	8		"
219	11/14	0530 / 0535	DE MARS - GARDNER	39.6	27.7	6.14	0.76	170.		6	13	-.10	PITOT TUBE
220	11/14	0925 / 0940	" "	39.6	6.26	1.05	0.12	6.6		.5	13	-.02	FC34
221	11/17	1037 / 1046	DE MARS - CAIRE	39.6	11.4	2.90	0.29	33.1		.5	13	-.02	"
222	11/23	1025 / 1035	DE MARS	5.2	0.68	0.87		0.59		.5	7		FC48
223	12/1	1340 / 1345	"	6.0	1.03	1.07		1.1		.5	9		"
224	12/4	1013 / 1023	"	39.6	10.2	3.33	0.29	34.0		.5	11	-.01	"
225	12/4	1430 / 1440	DE MARS - CAIRE	39.6	15.4	4.77	0.42	73.4		.5	11	-.01	"
226	12/8	1025 / 1034	DE MARS	7.5	0.88	0.78		0.69		.5	10		"
227	12/15	1350 / 1355	"	5.2	0.83	1.69		1.4		.5	7		"
228	12/22	1410 / 1420	"	17.7	3.34	0.78		2.6		.5	11		"
229	12/29	1441 / 1455	"	17.5	2.48	0.73		1.8		.5	11		"
230	1/5	1350 / 1358	"	18.0	2.09	0.57		1.2		.5	7		"
231	1/12	1240 / 1247	"	11.6	1.34	0.75		1.0		.5	6		"
232	1/19	1455 / 1503	"	13.0	1.69	0.83		1.4		.5	6		"
233	2/9	1454 / 1504	HOLLERON - DE MARS	9.2	3.34	0.78		2.6		.5	8		"
234	2/16	1445 / 1459	" "	9.2	2.74	0.55		1.5		.5	11		"
235	2/23	1017 / 1030	" "	39.6	28.3	7.28	0.62	206.		.5	11	-.10	FC34
236	3/1	1013 / 1018	" "	5.2	0.86	1.40		1.2		.5	8		FC48
237	3/8	1008 / 1022	HOLLERON	5.3	1.05	1.33		1.4		.5	12		"
238	3/15	1008 / 1018	"	5.9	1.49	1.07		1.6		.5	9		FC48
239	3/22	1009 / 1033	HOLLERON - LINDSAY	15.0	3.98	1.61	0.10	6.4		.5	17	0	"
240	3/28	1445 / 1508	HOLLERON	15.4	4.19	1.43	0.10	6.0		.5	16	-.06	"
241	4/5	1120 / 1136	"	6.9	1.91	1.73		3.3		.5	10		"
242	4/13	1517 / 1526	HOLLERON - CAIRE	39.6	26.6	8.31	0.64	221.		.6	11	-.18	FC34
243	4/14	1252 / 1305	HOLLERON	8.1	1.34	1.12		1.5		.5	11		FC48
244	4/19	0945 / 1000	"	5.4	1.04	1.35	0.04	1.4		.5	12	0	"
245	4/26	1153 / 1201	HOLLERON - CAIRE	39.5	9.02	1.56	0.17	14.1		.5	11	-.02	"
246	5/3	0857 / 0909	HOLLERON	5.5	1.03	1.26		1.3		.5	9		"
247	5/8	2236 / 2251	HOLLERON - CAIRE	39.6	23.1	5.80	0.56	134.		.5	11	-.16	FC34
248	5/9	1448 / 1502	HOLLERON	39.6	7.93	1.60	0.17	12.7		.5	11	-.02	FC48
249	5/10	0949 / 1001	"	39.6	4.24	0.90		3.8		.5	11		"
250	5/17	0855 / 0907	"	6.5	1.36	1.18		1.6		.5	9		"
251	5/24	0754 / 0804	"	6.5	1.55	1.55		2.4		.5	8		"
252	5/31	0830 / 0842	"	6.0	1.34	1.27	0.08	1.7		.5	9	0	"
253	6/7	1045 / 1055	"	6.6	1.61	1.30		2.1		.5	9		"
254	6/13	1006 / 1020	"	6.7	1.69	1.24	0.08	2.1		.5	10	0	"
255	6/20	1044 / 1054	"	6.5	1.75	1.60	0.10	2.8		.5	9	0	"
256	6/27	1015 / 1025	"	7.0	1.92	1.35	0.11	2.6		.5	10	0	"
257	7/6	1655 / 1710	"	12.4	2.83	1.27	0.12	3.6		.5	9	0	"
258	7/11	0945 / 0959	"	12.0	2.34	1.28	0.12	3.0		.5	9	0	"
259	7/19	1040 / 1054	"	13.8	2.48	1.13	0.12	2.8		.5	10	0	"
260	7/26	0815 / 0830	HOLLERON - BOWMAN	13.8	2.75	1.34	0.13	3.7		.5	11	0	"
261	8/2	1110 / 1125	HOLLERON	13.7	2.81	1.21	0.13	3.4		.5	11	0	"
262	8/8	0940 / 0955	"	13.8	2.98	1.14	0.13	3.4		.5	11	0	"
263	8/15	1010 / 1020	HOLLERON - SADDORIS	13.9	3.19	1.22	0.14	3.9		.5	11	0	"
264	8/22	1015 / 1035	HOLLERON	13.9	3.32	1.38	0.17	4.6		.5	11	0	"
265	8/30	1036 / 1054	SJOSTEDT	13.8	2.6	1.12	0.14	2.9		.5	15	0	"
266	9/20	1030 / 1048	"	14.0	3.57	0.90	0.15	3.2		.5	16	0	FC50
267	9/27	0942 / 1006	FALCONE - SJOSTEDT	14.2	4.68	1.18	0.20	5.5		.6	17	0	"

DISCHARGE MEASUREMENTS OF SAWTELLE-WESTWOOD CHANNEL

at/near above Culver Boulevard 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.	G. HT. CHANGE TOTAL	METER NO.
268	10/4	1120 / 1135	SJOSTEDT	40.0	15.6	1.76	0.38	27.6		.5	11	-.08	FC47
269	10/11	1658 / 1705	"	18.0	1.94	1.24	0.10	2.4		.5	11	0	FC50
270	10/18	1630 / 1645	"	16.0	2.27	0.92	0.11	2.1		.5	10	0	"
271	10/25	1620 / 1633	"	12.6	2.16	1.20	0.11	2.6		.5	9	0	"
272	11/1	1620 / 1634	"	13.0	2.35	1.19	0.12	2.8		.5	9	0	"
273	11/8	1615 / 1630	"	8.5	2.50	1.72	0.13	4.3		.5	11	0	"
274	11/21	1040 / 1055	"	8.7	3.18	1.20	0.16	3.8		.6	11	0	"
275	11/29	1620 / 1630	"	8.5	2.65	1.66	0.18	4.4		.6	10	0	"
276	12/28	1450 / 1500	HOLLERON	11.5	2.22	1.04		2.3		.5	9		FC48
277	1/3	0945 / 1003	SJOSTEDT	11.3	2.23	1.12		2.5		.5	13		FC50
278	1/13	0315 / 0325	GODFREY-THOMPSON	40.0	82.6	15.9	2.08	1310.		.6	9	-.15	PITOT TUBE
279	1/13	0400 / 0405	" "	40.0	56.1	9.70	1.42	544.		.6	9	-.07	PITOT TUBE
280	1/24	1016 / 1024	SJOSTEDT	40.0	14.5	2.30	0.34	33.4		.5	11	+.04 -.02	FC47
281	1/26	0305 / 0318	GODFREY-THOMPSON	40.0	41.4	8.84	1.02	366.		.6	11	-.20	PITOT TUBE
282	1/26	0325 / 0332	" "	40.0	28.2	6.84	0.70	193.		.6	11	-.14	PITOT TUBE
283	3/28	0910 / 0922	SJOSTEDT	17.5	2.96	1.05		3.1		.5	11		FC50
284	4/4	1010 / 1025	"	19.5	3.46	1.36	0.10	4.7		.5	12	0	"
285	4/11	0920 / 0935	"	19.0	1.87	0.59		1.1		.5	11		"
286	4/18	0912 / 0925	"	40.0	29.5	7.39	0.74	218.		.6	11	-.22	FC47
287	4/20	1912 / 1922	SJOSTEDT-GODFREY	40.0	31.3	7.57	0.75	237.		.6	11	-.23	FC43
288	4/25	0947 / 0955	SJOSTEDT	9.3	1.01	0.77		0.78		.5	7		FC50
289	5/2	0955 / 1003	"	13.5	1.60	0.52		0.83		.5	7		"
290	5/9	0955 / 1003	"	13.5	1.89	0.50		0.95		.5	7		"
291	5/23	1630 / 1640	SJOSTEDT	12.5	1.44	0.76		1.1		.5	6		FC50
292	5/29	1100 / 1108	"	15.0	1.13	0.65		0.73		.5	7		"
293	6/6	0915 / 0925	"	14.5	1.51	0.86		1.3		.5	9		"
294	7/5	1000 / 1011	WOOD	18.5	2.45	0.90		2.2		.5	8		"
295	7/11	1535 / 1545	SJOSTEDT	12.5	1.81	0.88		1.6		.5	8		"
296	7/25	1010 / 1020	"	12.2	1.52	0.79		1.2		.5	8		"
297	8/1	0850 / 0902	"	12.5	2.22	1.22		2.7		.5	8		"
298	8/15	0932 / 0940	"	12.2	2.11	1.09		2.3		.5	7		"
299	8/22	0905 / 0915	"	11.1	1.25	0.67		0.84		.5	8		"
300	8/29	0855 / 0905	"	11.0	1.28	0.67		0.86		.5	8		"
301	9/5	0915 / 0925	"	11.5	1.02	0.60		0.61		.5	8		"
302	9/12	0845 / 0900	ROY-SJOSTEDT	10.0	1.20	0.72		0.86		.5	12		"
303	9/19	0908 / 0925	SARASUA-SJOSTEDT	10.5	1.14	0.70		0.80		.5	11		"
304	9/26	1028 / 1035	WOOD	9.6	0.93	0.57		0.53		.5	6		"

76D74M Cab 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, 19 56

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	b 0.5	b 0.8	16.0	b 1.6	b 1.5	b 1.2	5.7	b 1.5	b 1.8	3.1	2.0	3.8
2	0.5	0.8	b 1.1	b 1.5	1.5	1.2	b 1.5	1.5	2.0	3.1	2.5	3.1
3	0.4	0.8	b 1.0	f 3.3	1.5	1.2	1.5	1.5	1.9	3.8	3.1	2.5
4	0.4	0.8	3.2	b 1.3	1.5	1.3	1.5	1.5	2.3	3.8	3.1	2.5
5	0.4	0.8	b 0.8	1.2	1.5	1.3	1.5	1.5	2.1	3.8	3.1	3.1
6	0.4	0.9	6.3	1.2	1.5	1.4	1.5	1.5	2.2	3.8	3.1	3.1
7	0.4	0.9	b 0.7	1.5	1.5	1.4	1.5	b 1.5	2.2	3.8	3.1	3.1
8	0.4	1.0	0.7	1.1	1.5	1.4	1.5	14.8	2.2	3.8	3.1	3.1
9	0.5	1.0	0.8	1.1	1.5	1.4	1.5	4.2	2.2	3.1	3.1	3.1
10	0.5	1.0	0.9	1.0	1.5	1.4	b 1.5	b 1.9	2.3	3.8	3.1	3.1
11	0.6	1.0	1.0	1.0	1.5	1.5	54	1.6	2.2	3.8	3.1	2.5
12	0.6	1.0	1.1	1.0	1.5	1.5	170	1.6	2.2	3.1	2.5	2.5
13	0.6	b 0.9	1.2	1.0	1.5	1.6	48	1.6	2.2	3.1	2.5	3.1
14	0.6	168	1.3	1.1	1.5	1.6	b 1.5	1.6	2.4	3.1	2.5	3.8
15	0.6	1.5	1.4	b 1.2	1.5	1.6	1.5	1.6	2.4	3.1	3.1	3.8
16	0.5	b 0.8	1.4	f 1.8	1.5	1.6	1.5	1.6	2.6	3.8	3.1	2.5
17	b 0.5	4.1	1.4	b 1.3	1.5	1.6	1.4	1.6	2.5	3.1	3.8	3.8
18	2.5	b 0.7	1.5	b 1.4	1.5	1.6	1.4	1.7	2.8	3.1	3.1	3.8
19	b 0.4	b 0.7	1.5	b 1.4	1.5	b 1.6	1.4	1.6	2.8	3.1	3.1	3.1
20	b 0.4	b 0.7	1.5	f 2.0	1.5	f 2.7	1.4	1.8	b 2.9	3.1	2.5	3.1
21	b 0.4	51	1.6	f 2.8	1.5	b 1.6	1.4	1.9	3.8	3.1	2.5	4.5
22	3.3	b 0.6	b 1.6	b 1.4	b 1.5	1.7	1.4	1.6	3.8	3.1	3.1	5.2
23	b 0.5	0.6	18.1	8.1	110	1.6	1.4	1.8	3.1	3.1	3.1	3.1
24	0.5	0.6	13.0	b 1.4	7.2	1.6	1.4	1.8	3.8	3.1	3.6	3.1
25	0.6	0.7	7.2	3.64	b 1.2	1.6	b 1.4	2.0	3.1	2.5	3.1	2.5
26	0.6	0.8	17.3	1240	1.2	1.6	67	1.8	3.1	3.1	3.1	3.1
27	0.6	0.8	2.1	59	1.2	1.6	b 1.8	2.0	3.1	4.5	2.5	3.8
28	0.6	0.9	b 1.8	b 1.4	1.2	1.6	1.5	1.9	3.1	3.8	2.5	3.1
29	0.6	1.0	b 1.8	b 1.4	b 1.2	1.6	1.5	1.9	3.8	3.1	2.5	3.1
30	0.7	b 1.1	b 1.7	51		1.6	b 1.5	1.9	3.1	3.1	3.1	3.1
31	b 0.7		5.3	16.1		b 1.6		b 1.8		2.5	3.1	
	20.8	24.63	145.1	1774.6	156.2	47.8	381.6	105.9	80.0	103.3	91.0	97.1
MEAN	0.67	8.21	4.68	57.3	5.39	1.54	12.7	3.42	2.67	3.33	2.94	3.24
ACRE-FEET	41.	489.	288.	3520.	310.	95.	757.	210.	159.	205.	180.	193.

Remarks:

YEAR OR PERIOD MEAN 8.88 ACRE-FEET 6450.

FORM G-5 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

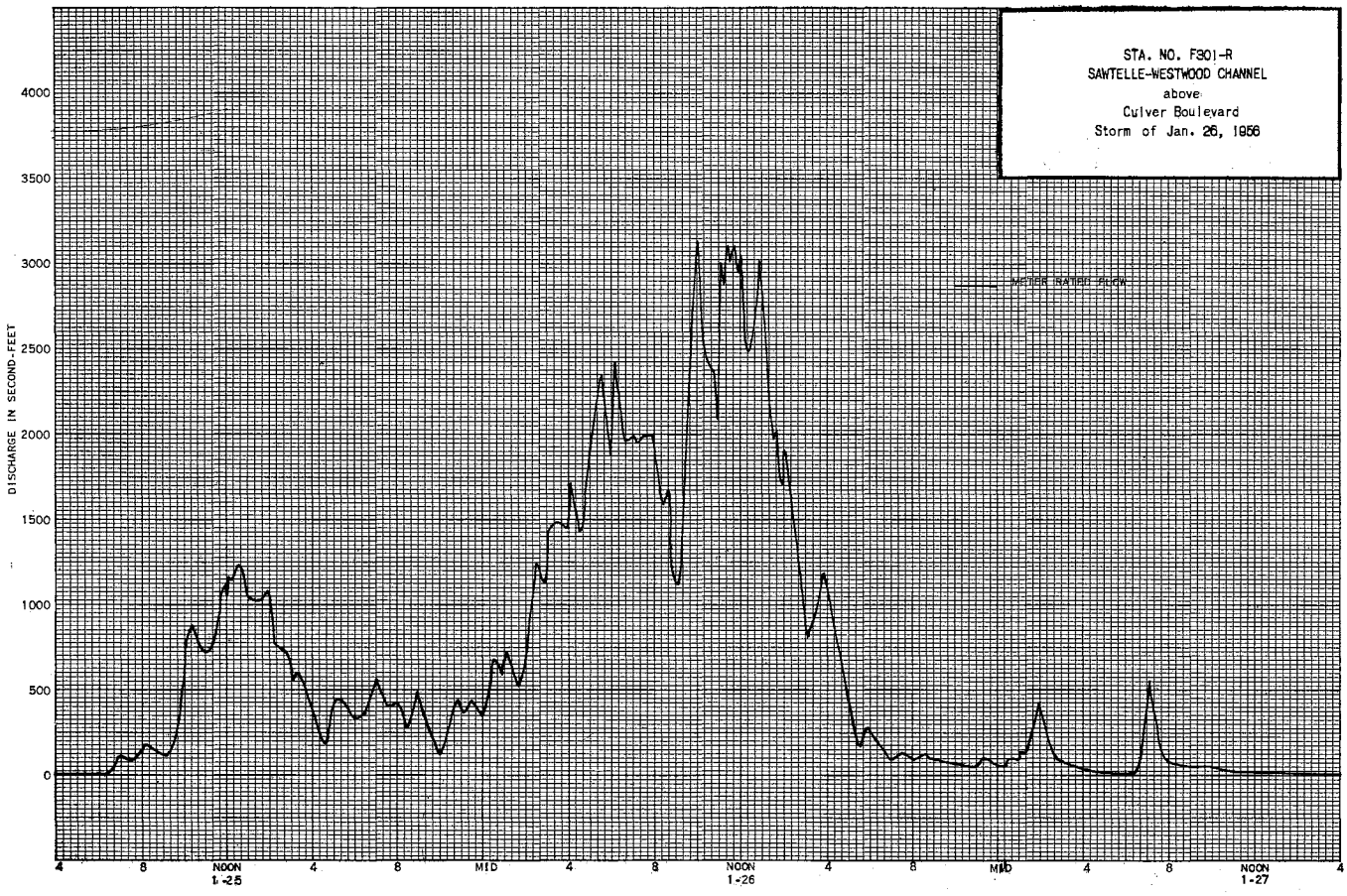
Sta. No. F301-R

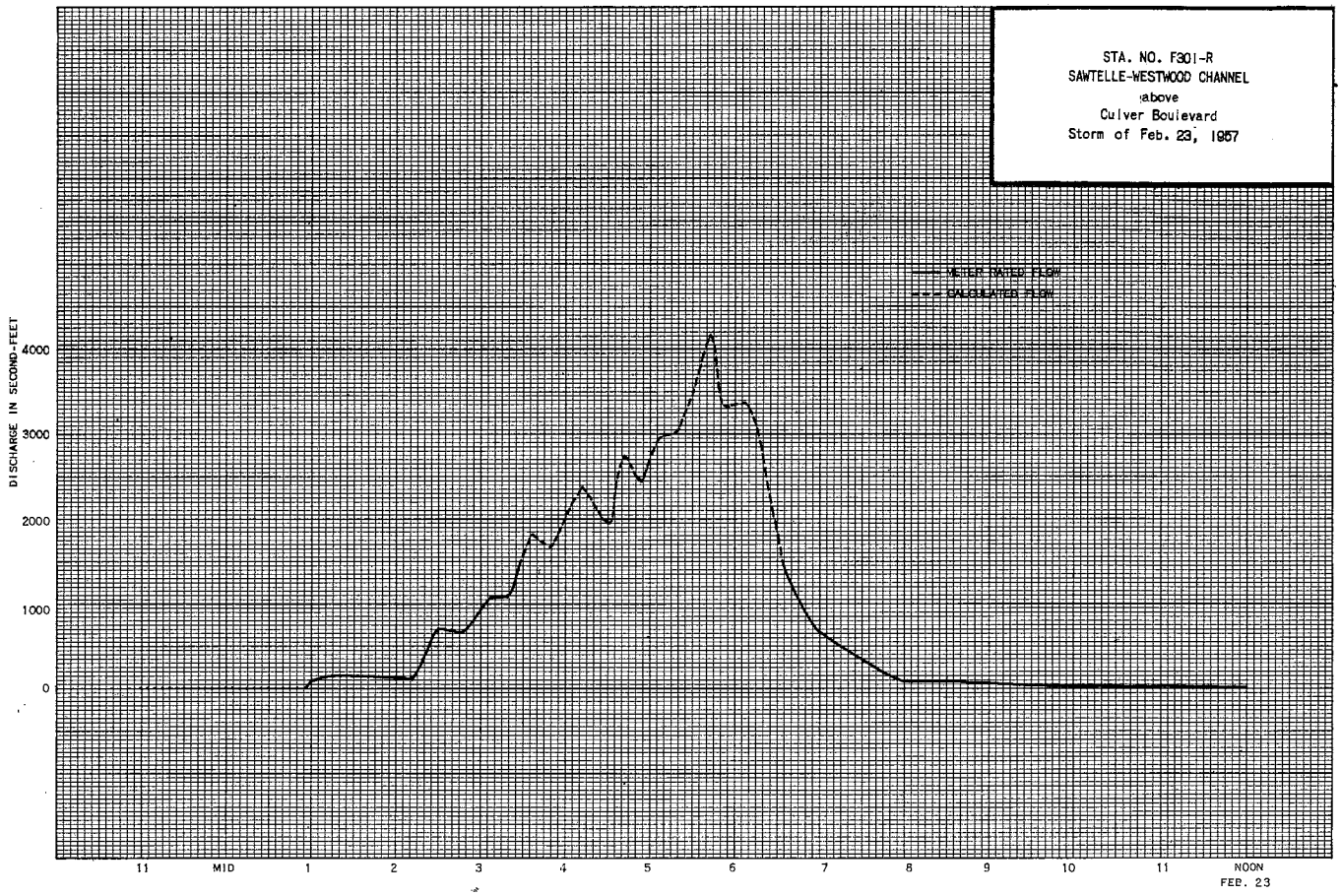
Daily discharge, in second-feet of SAWTELLE-WESTWOOD CHANNEL above Culver Boulevard, for the year ending September 30, 1957

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3.1	4.5	4.5	b 2.5	b 2.2	b 5.0	b 4.0	b 0.8	b 1.0	b 2.0	b 3.0	b 0.8
2	3.1	4.5	4.5	2.5	1.0	1.4	3.0	0.8	1.0	2.2	2.5	0.8
3	2.5	4.5	4.5	2.5	1.2	1.0	4.0	1.0	1.0	2.0	2.5	0.7
4	1.3.6	4.5	5.2	b 2.5	2.0	1.2	3.5	1.0	1.0	2.5	2.5	b 0.6
5	3.1	5.2	5.5	7.3	2.0	1.2	4.0	1.0	1.0	2.3	2.5	6.1
6	2.5	5.2	b 3.0	b 3.0	1.5	1.2	3.5	1.0	4.0	2.7	2.7	b 0.6
7	2.5	5.2	3.0	9.4	2.5	1.0	b 3.0	1.0	2.0	2.4	3.0	0.6
8	2.5	5.2	3.0	3.0	2.1	1.3	4.5	1.0	1.0	2.5	2.7	0.7
9	2.5	6.1	3.0	b 3.0	1.8	8.2	4.5	1.0	b 1.0	2.0	3.0	0.7
10	2.5	5.2	3.0	b 4.8	1.5	1.2	5.2	1.0	5.0	1.8	2.7	2.0
11	3.1	5.2	3.0	3.0	1.5	1.1	4.5	1.0	b 1.0	1.6	2.7	1.2
12	3.8	5.2	3.0	1.7.0	3.0	1.0	6.1	1.0	1.0	1.6	2.7	1.2
13	3.8	5.2	3.0	2.7.0	2.6	1.0	5.2	1.0	1.2	1.8	2.7	1.0
14	3.1	5.2	3.0	b 3.0	2.6	1.0	4.5	1.0	1.5	1.6	2.4	1.0
15	2.5	5.2	3.0	2.0	2.5	b 1.2	4.5	1.2	1.5	1.7	2.5	0.8
16	2.0	5.2	2.5	1.0	2.5	6.8	4.5	1.2	1.5	1.6	2.7	2.5
17	3.1	5.2	2.5	0.5	2.5	b 1.8	5.4	b 1.5	1.5	1.5	2.5	1.0
18	2.5	5.2	2.5	0.5	2.5	4.9	9.0	8.4	1.5	1.6	2.5	1.2
19	3.1	4.5	2.5	b 0.5	2.4	4.0	3.8	4.6	1.5	1.6	2.5	0.8
20	3.1	4.5	2.5	3.1	2.5	b 1.4	5.9	b 1.5	1.5	1.7	2.0	1.0
21	3.1	4.5	2.5	b 1.5	2.4	1.3	b 1.5	1.5	1.7	1.7	2.5	0.8
22	3.8	4.5	2.5	b 1.5	b 2.1	1.2	0.8	1.5	1.5	1.5	0.8	1.2
23	4.5	3.8	2.5	1.3.9	4.3.7	1.5	0.8	1.5	1.5	1.5	0.8	1.0
24	3.8	3.8	2.5	2.2	b 2.0	1.7	0.8	1.4	1.5	1.4	1.0	1.0
25	3.1	3.8	2.5	1.5.6	1.7	1.7	0.8	1.2	1.5	1.5	0.8	0.7
26	3.8	3.8	2.3	1.1.4	2.1	1.8	0.8	1.1	1.5	1.3	0.8	0.5
27	3.8	3.8	2.3	4.0	2.1	1.8	0.8	1.0	1.5	2.0	0.8	0.5
28	3.8	3.8	2.3	1.2.3	b 8.1	3.0	0.8	0.8	1.5	2.0	1.0	0.7
29	3.8	4.5	2.3	1.3.1		2.8	0.8	0.7	1.6	2.0	0.9	0.7
30	4.5	4.5	2.3	b 4.0		2.8	b 0.8	0.7	b 1.8	2.5	0.9	b 0.7
31	4.5		b 2.3	b 2.5		b 4.0		b 1.0		b 3.0	b 0.9	
	1105	1415	1425	946.1	572.8	131.7	284.0	85.8	47.3	59.0	63.5	33.1
MEAN	3.6	4.72	4.60	30.5	20.5	4.25	9.47	2.77	1.58	1.90	2.05	1.10
ACRE-FEET	219.	281.	283.	1880.	1140.	261.	563.	170.	94.	117.	126.	66.

Remarks:

YEAR OR PERIOD MEAN 7.17
ACRE-FEET 5200.





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: INSTALLED JANUARY 28, 1929 AT STATION F67-R ABOUT 1000 FEET DOWN-STREAM FROM PRESENT LOCATION. REMOVED MAY 20, 1936. REINSTALLED MAY 21, 1936 IN A 4 FT. X 3 FT. COMBINATION CONCRETE STILLING WELL AND HOUSE. AN H.C.F. RECORDER WAS IN SERVICE FROM OCTOBER 1, 1955 TO SEPTEMBER 30, 1957.

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, 1957.

EXTREMES OF DISCHARGE:
1955-56
MAXIMUM 52 SECOND-FEET, JANUARY 26.
MINIMUM NO FLOW AT VARIOUS TIMES.
1956-57
MAXIMUM 39.5 SECOND-FEET FEBRUARY 23.
MINIMUM NO FLOW AT VARIOUS TIMES.
1929-57
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 or near below Sierra Madre 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.	Rating	Method	Meas. Sec. No.	G. Ht. Change Total	Meter No.
301	10/20	1431 / 1435	STUNDEN	1.0	0.06	5.43	0.66	0.32		FLOATS	4	0	
302	1/25	1900 / 1910	STUNDEN-PHENIX	1.5	0.60	8.33	1.05	6.5		.6	4	0	FC36
303	1/27	1720 / 1730	STUNDEN	1.5	0.71	6.76	1.5	4.8		FLOATS	5	0	
304	1/29	1726 / 1731	"	1.1	0.21	7.61	0.80	1.6		"	5	0	
305	2/2	1600 / 1605	"	1.1	0.21	7.62	0.80	1.6		"	5	0	
306	2/9	1605 / 1610	"	1.2	0.18	6.11	0.76	1.1		"	5	0	
307	2/23	1400 / 1410	"	1.4	0.30	8.34	0.85	2.5		"	5	0	
308	3/1	0750 / 0755	"	1.2	0.17	5.88	0.75	1.0		"	5	0	
309	3/7	1610 / 1615	"	1.1	0.07	3.86	0.65	0.27		"	5	0	
310	3/15	1500	SJOSTEDT				0.64	0.10		VOL.		0	
311	3/22	1415	STUNDEN				0.62	0.10		VOL.		0	
312	4/12	0828 / 0833	"	1.5	0.36	6.66	0.85	2.4		FLOATS	4	0	
313	4/19	1525 / 1530	"	1.1	0.10	5.30	0.70	0.53		"	5	0	
314	4/26	1250 / 1255	"	1.4	0.34	8.24	0.87	2.8		"	4	0	
315	5/9	1336 / 1341	"	1.5	0.60	8.00	0.98	4.80		"	4	+.01	
316	5/10	1035 / 1040	"	1.2	0.34	4.41	0.79	1.5		"	4	0	
317	5/23	1615 / 1625	"	1.0	0.03	5.00	0.63	0.15		"	4	0	
318	8/30	1130	HOLLERON				0.60	0.04		VOL.		0	

DISCHARGE MEASUREMENTS OF SIERRA MADRE WASH

at or near below Sierra Madre Dam 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.	G. Ht. Change Total	Meter No.
319	1/17	1035 / 1040	HOLLERON	1.0	0.03	3.67	0.62	0.11		FLOATS		0	
320	1/26	0910 / 0915	HOLLERON-HENSLEY	1.0	0.06	5.50	0.66	0.33		"	5	0	
321	1/31	1015 / 1020	HOLLERON	1.0	0.04	5.00	0.64	0.20		"	5	0	
322	2/23	0807 / 0817	HOLLERON-BROOK	9.8	2.13	7.80	1.58	16.6		"	6	-.12	
323	2/28	0835 / 0840	HOLLERON	1.0	0.08	7.62	0.69	0.61		"	5	0	
324	2/28	1452 / 1458	HOLLERON-HENSLEY	1.5	0.49	10.6	0.98	5.2		"	4	0	
325	3/1	0002 / 0004	" "	1.2	0.36	1.05	0.93	3.8		"	4	0	
326	3/7	0938 / 0942	HOLLERON	1.0	0.09	6.1	0.69	0.55		"	5	0	
327	3/14	1518 / 1520	HOLLERON-WOOD	1.0	0.11	7.64	0.73	0.84		"	5	0	
328	3/28	0940 / 0944	HOLLERON	1.0	0.05	5.20	0.65	0.26		"	5	0	
329	4/4	0904 / 0906	"	1.0	0.04	4.50	0.63	0.18		"	5	0	
330	4/18	0906 / 0908	"	1.0	0.10	6.20	0.70	0.62		"	5	0	
331	4/20	1445 / 1447	HOLLERON-WOOD	1.1	0.23	7.40	0.82	1.7		"	5	0	
332	4/25	0918 / 0922	HOLLERON	1.0	0.40	5.20	0.64	0.21		"	5	0	
333	6/6	0920	HOLLERON-ROY			VOLUMETRIC		0.62	0.20		VOL.		

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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, 19 56

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	+	0.1	0.1	1.6	0.7	0.2	0.5	0.2			
2			+	+	1.6	0.4	0.2	0.4	0.2			
3			+	0.1	1.4	0.4	0.3	0.4	0.1			
4			+	+	1.4	0.4	+	0.4	f 0.1			
5			0.1		1.3	0.4	+	0.4	a 0.1			
6			+		1.2	0.4	0.1	0.4	a 0.1			
7					1.2	0.3	0.1	0.4	f 0.1			
8					1.2	0.4	0.1	0.4	0.1			
9				+	1.2	0.4	0.1	2.2	0.1			
10				0.2	0.9	0.3	0.1	1.5	0.2			
11		b	+	0.2	0.7	0.4	0.2	1.2	0.2			
12		+	0.1	+	0.9	0.2	2.2	1.2	0.1			
13		0.1	0.1	0.1	0.8	0.2	2.9	1.0				
14		+	+	0.2	0.7	0.2	1.6	0.8				
15			a +	0.2	0.7	0.2	1.0	0.8				
16			+	0.2	0.7	0.1	0.9	0.4				
17			0.1	0.2	0.7	0.1	0.8	0.2				
18			+	0.1	0.7	0.1	0.8	0.2				
19				+	0.7	0.2	0.6	0.2				
20	+			0.1	0.6	0.2	0.5	0.2				
21	0.1			+	0.6	0.2	0.4	0.2				
22	+		a	0.1	0.7	0.1	0.4	0.2				+
23				0.1	3.4	0.1	0.2	0.2				
24				0.2	1.8	0.1	0.2	0.2				
25				2.0	0.4	0.2	0.2	0.2				
26				2.7	0.4	0.1	1.2	0.2				
27				8.6	0.4	+	1.0	0.2				
28		+		1.8	0.6	+	0.6	0.2				
29				1.8	0.8	0.1	0.5	0.2				
30				1.8		+	0.5	0.2				
31	+		+	1.8		0.1		0.2				+
	0.1	0.1	0.5	46.9	29.3	7.0	17.9	15.4	1.6			+
MEAN	.003	.003	.016	1.51	1.01	0.23	0.60	0.50	0.05			+
ACRE-FEET	0.2	0.2	1.0	93.	58.	14.	36.	30.	3.2			+

Remarks:

+ = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.32
ACRE-FEET 236.

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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, 1957

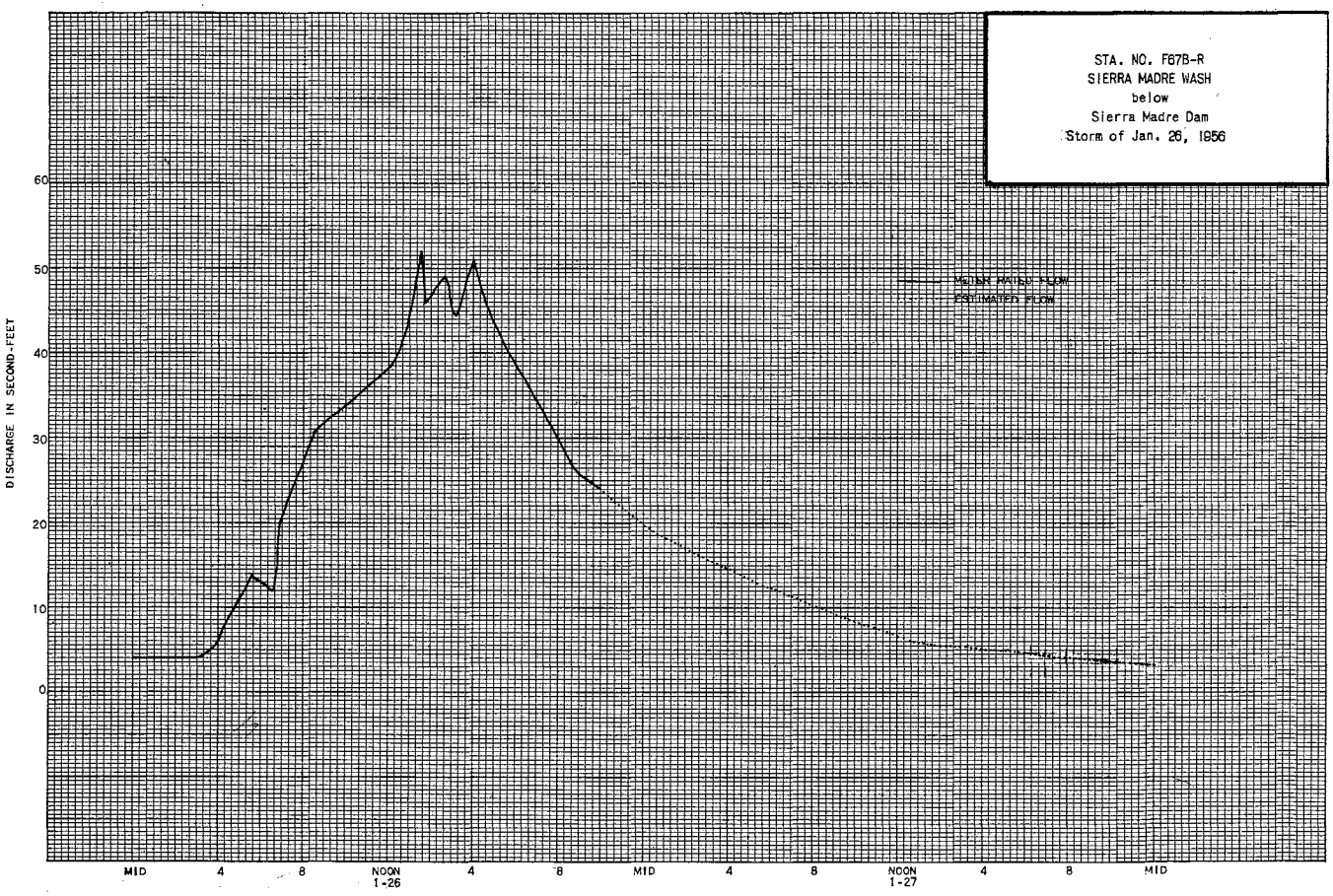
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	+	+	+	0.2	1.8	0.4	+	+			
2	+				0.2	1.2	0.1		+			
3	+				0.2	1.2	0.2		+			
4	0.1		+	+	0.2	0.7	0.2		0.1			
5	+		0.2	0.2	0.2	0.6	0.2	+	0.1			
6			+	+	+	0.5	0.2	0.1	0.1			
7					+	0.4	0.2	b 0.1	+			
8					0.1	0.4	0.3	b +	+			
9					+	1.7	0.1	+	0.1			
10						1.2	0.1	+	0.1			
11				+		b 0.4	0.1	0.1	+			
12				0.6		0.5	0.1	0.1	+			
13				9.8		0.6	0.1	+				
14				b 0.3		0.6	0.1	0.1				
15				b 0.1		0.6	0.2	+				
16				b 0.1		0.9	0.2					
17				0.1		0.5	0.4					
18				0.1		0.6	0.4	+				
19				+		0.4	0.2	2				
20						0.4	0.8	0.3				
21						0.4	0.4	0.3				
22					+	0.3	0.3	0.2				
23					6.6	0.2	0.3	0.2				
24				+	0.8	0.2	0.2	0.2				
25				0.1	0.8	0.2	0.2	0.1				
26				0.4	0.4	0.2	0.2	+				
27				0.2	0.4	0.2	0.1					
28				0.2	b 1.9	0.2	0.1					
29				0.4		0.4	0.1					
30		+		0.3		0.2	+					
31	+		+	0.2		0.3		+				
	0.1	+	0.2	13.1	12.0	18.0	5.5	3.9	0.6	+	+	+
MEAN	+	+	+	0.43	0.43	0.58	0.22	0.13	+	+	+	+
ACRE-FEET	0.2	+	0.4	26.0	24.	36.	13.	7.7	1.2	+	+	+

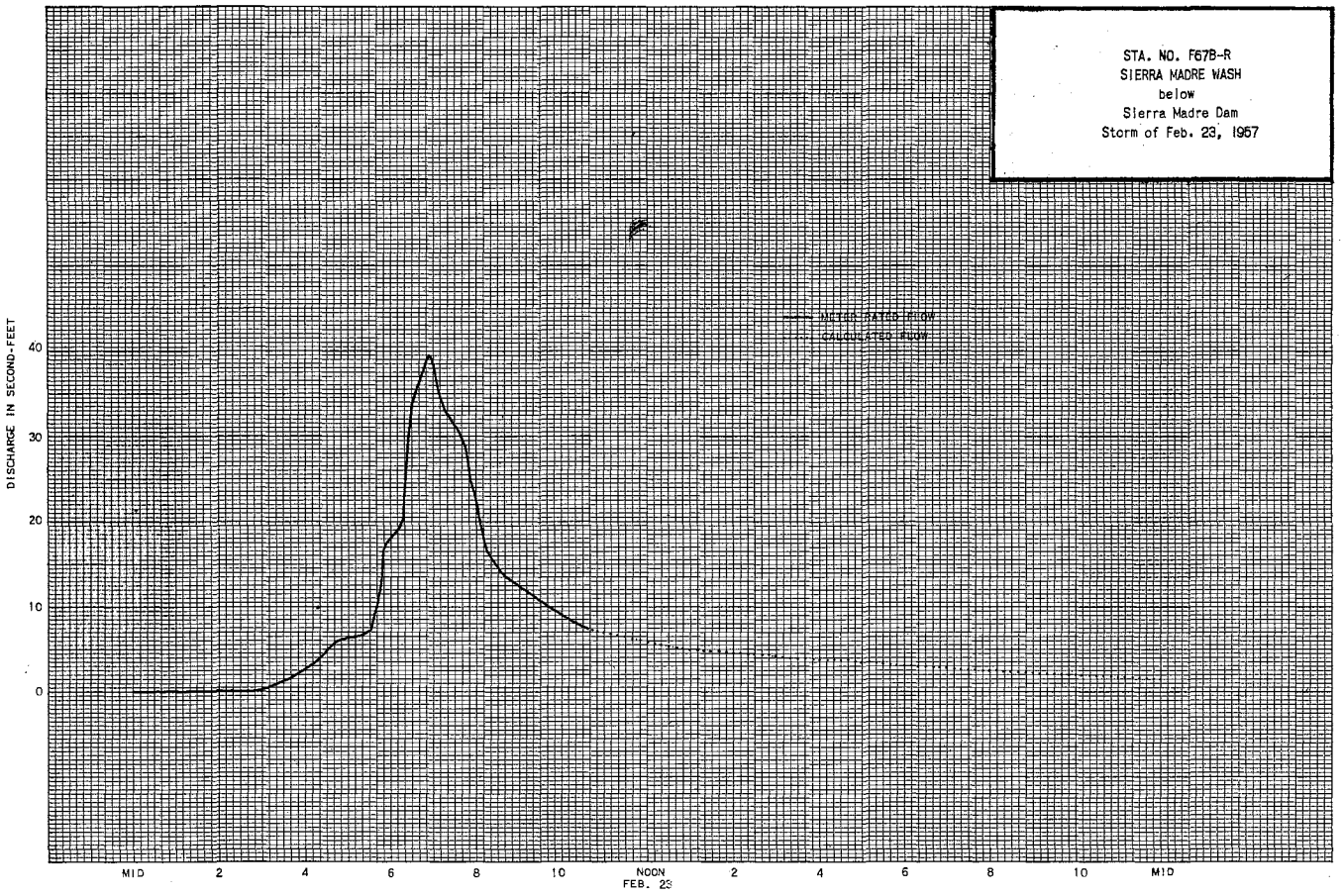
RECORDER STOPPED FOR SEASON

RECORDER STOPPED

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.15
ACRE-FEET 108.





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 1 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: INSTALLED DECEMBER 30, 1938 OVER AN 18-INCH DIAMETER CORRUGATED IRON PIPE STILLING WELL. A STEVENS TYPE L RECORDER WAS IN SERVICE FROM OCTOBER 1, 1955 TO SEPTEMBER 30, 1957.

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:

1955-56
MAXIMUM 481 SECOND-FEET JANUARY 26.
MINIMUM NO FLOW MOST OF YEAR.

1956-57
MAXIMUM 445 SECOND-FEET FEBRUARY 23.
MINIMUM NO FLOW AT VARIOUS TIMES

1938-57
MAXIMUM NOT DETERMINED MARCH 2, 1938.
MAXIMUM DISCHARGE OF RECORD, 542 SECOND-FEET JANUARY 22, 1943.
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 Woodland 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.
100	11/21	0937 / 0940	STUNDEN	10.0	1.00	3.60	0.10	3.6	FLOATS		6	.01	
101	11/21	1230 / 1233	"	10.0	2.10	4.67	0.21	9.8		"	6	0	
102	11/21	1235 / 1238	"	10.0	4.00	7.38	0.39	29.5		"	6	-.01	
103	12/1	2020 / 2023	"	10.0	1.50	4.40	0.15	6.6		"	6	0	
104	1/25	1655 / 1700	"	10.0	3.90	7.36	0.37	28.7		"	6	-.02	
105	1/26	1215 / 1220	"	10.0	12.5	11.2		140.		"	6		
106	1/26	1534 / 1538	STUNDEN-PHENIX	10.0	20.0	20.0	1.86	399.		"	6	-.01	
107	4/12	2145 / 2150	STUNDEN	10.0	3.5	7.43	0.35	26.		"	6	+.01	
108	5/9	0712 / 0716	"	10.0	3.58	7.43	0.36	26.6		"	5	0	

DISCHARGE MEASUREMENTS OF SIERRA MADRE WASH

AT Woodland Avenue 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.	G. HT. CHANGE TOTAL	METER NO.
109	1/10	0940 / 0944	HOLLERON-HENSLEY	1.6	0.24	2.12	0.26	0.51		.5	5	-.08	FC48
110	2/26	1400 / 1410	HOLLERON	10.0	2.52	5.64	0.44	14.2	FLOATS		7	-.12	
111	3/16	0730 / 0736	HOLLERON-HENSLEY	10.0	3.04	5.63	0.48	17.1		"	5	-.04	
112	4/20	1247 / 1249	HOLLERON	10.0	4.48	6.41	0.60	28.7		"	5	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, 19 56

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	+	1.5	+	0.4	+	1.5	0				
2	0	0	0.1		0.4		0	0				
3	0	0	0.1		0.1		0	0				
4	+	0	0.4		0.1		0	0				
5		0	+		0.1		0	0				
6		0			0		0	0				
7		0			0	+	0	0				
8		0			0	0	0	0				
9		0			0	0	0	8.7				
10		0			0	0	0.4	1.6	STOPPED RECORDER FOR SEASON			
11		0			0	0	0.9	0				
12		0			0	0	11.3	0				
13		0.4			0	0	6.1	0				
14		1.8			0	0	2.8	0				
15		+			0	0	0	0				
16			+		0	0	0	0				
17			1.5	+	0	0	0	0				
18			+	0	0	0	0	0				
19				+	0	0	0	0				
20		+			0	0	0	0				
21		2.1			0	0	0	0				
22		+			0	+	0	+				
23			+		6.6	+	0					
24			0.1	+	2.2	0	0					
25			0.1	7.4	0.2	0	0					
26			0.1	10.4	0.1	0	1.2					
27			+	6.3	0.2	0	+					
28				1.4	0.2	0	0	0				
29				0.4	0	0	0	+				
30		+		0.4		0	0	+				
31	+		+	0.4		0		0				
	+	43	3.9	1203	10.6	+	242	103	0	0	0	0
MEAN	+	0.14	0.13	3.88	0.36	+	8.07	0.33	0	0	0	0
ACRE-FEET	+	8.5	7.7	239.	21.	+	48.	20.	0	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.47
ACRE-FEET 344.

7ED74M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

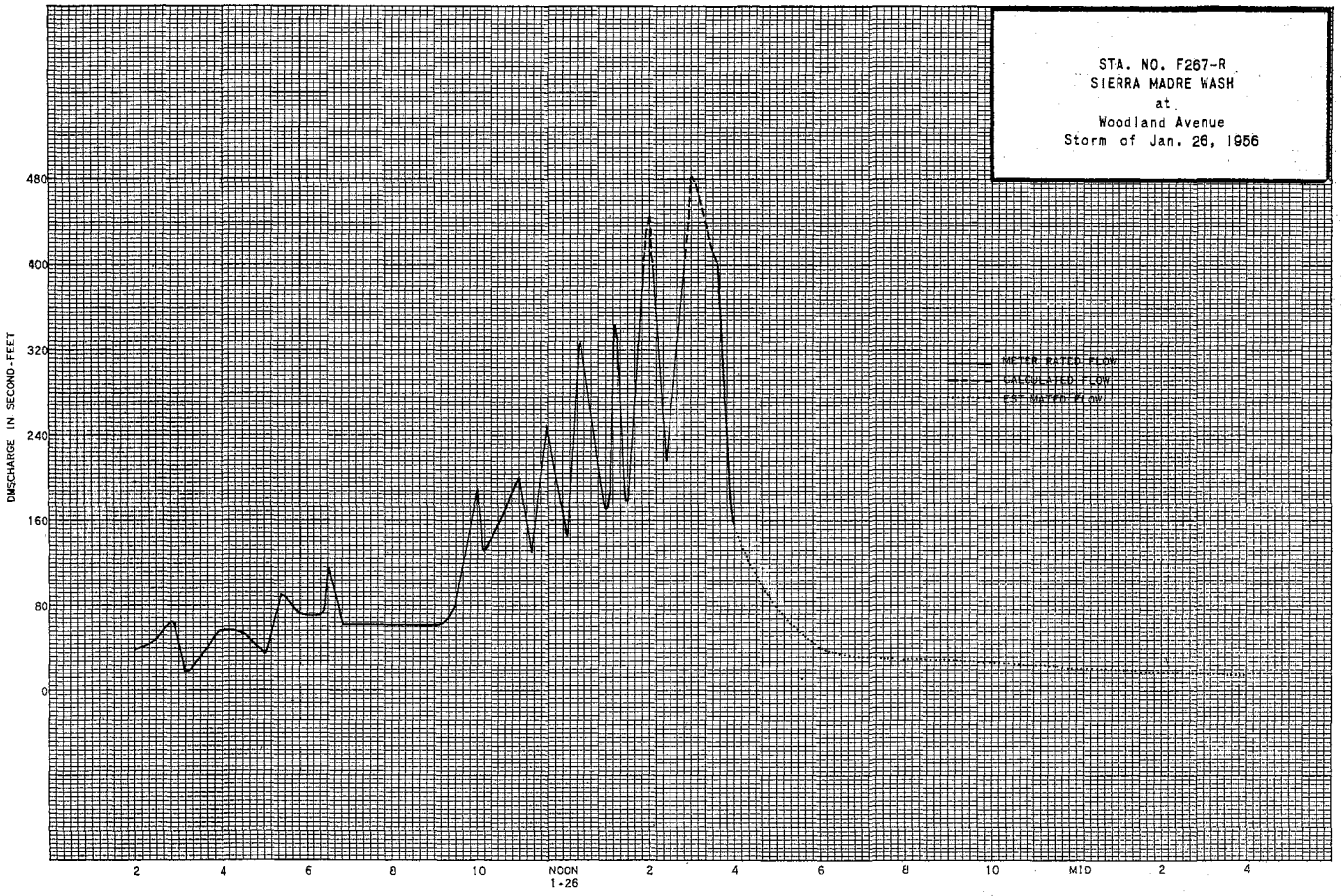
Sta. No. F267-R

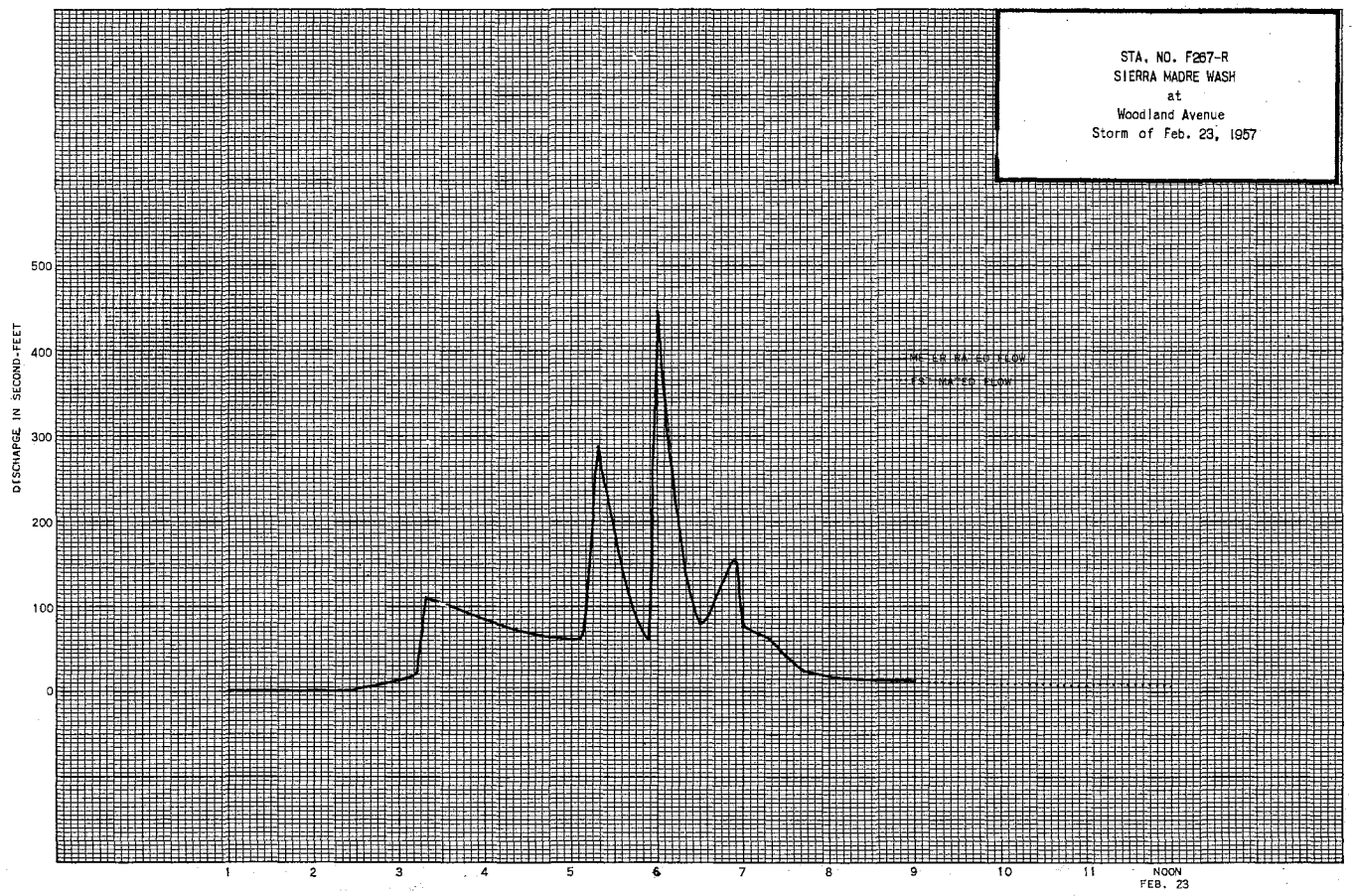
Daily discharge, in second-feet of SIERRA MADRE WASH at Woodland Avenue, for the year ending September 30, 19 57

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	+	+	+	+	2.3	+	+	+			
2	+				+	0.4						
3	+				+	0.7						
4	2.0		+	+	0	1.0						
5	+		0.9	1.2	0	0.4		+				
6			+	+	0	0.2		1.1				
7					0	0.2		+				
8					0	0.7		+	+			
9				+	0	4.0		+	0.1			
10				2.2	0	b 0.2		0.6	1.0			
11				+	0	b 0.2		3.0	+			
12				8.5	+	0.1		+	0.0	RECORDER STOPPED		
13				18.7		0.2		+	0.0			
14				b 0.3		0.7		0.6				
15				+		+		+				
16						2.2	+	+				
17						+	3.2	+				
18						+	3.1	0.9				
19				+		+	+	10.0				
20				1.0		0	5.9	a 0.1				
21				+		+	1.0	0.7				
22				+	+		+	+				
23				+	2.8							
24				0.4	3.9							
25				0.3	3.2							
26				1.1	b 3.6							
27				0.7	b 0.4							
28				0.1	10.9							
29				1.0								
30				+								
31	+	+	+	+	+	+	+	+				
	2.0		0.9	35.5	50.0	13.5	13.2	17.0	1.1	+	+	+
MEAN	0.06	+	0.03	1.15	1.79	0.44	0.44	0.55	0.04	+	+	+
ACRE-FEET	4.0	+	1.8	70.	99.	27.	26.	34.	2.2	+	+	+

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.36
ACRE-FEET 264.


STA. NO. F267-R
SIERRA MADRE WASH
at
Woodland Avenue
Storm of Jan. 26, 1956
METER RATED FLOW
CALCULATED FLOW
EST. RATED FLOW
DISCHARGE IN SECOND-FEET
480
400
320
240
160
80
0
2
4
6
8
10
NOON
1-26
2
4
6
8
10
MID
2
4


STA. NO. F267-R
SIERRA MADRE WASH
at
Woodland Avenue
Storm of Feb. 23, 1957
METER RATED FLOW
EST. RATED FLOW
DISCHARGE IN SECOND-FEET
500
400
300
200
100
0
1
2
3
4
5
6
7
8
9
10
11
NOON
FEB. 23

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 3 MILES NORTHEAST OF GLENDALE. ELEVATION OF GAGE ABOUT 700 FEET.

DRAINAGE AREA: 2.7 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - RECTANGULAR CONCRETE, 8 FT. WIDE AND 8 FT. 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: INSTALLED JANUARY 30, 1928 OVER A 3 FT. X 4 FT. CONCRETE STILLING WELL. RECORDER REINSTALLED OCTOBER 1, 1935. STEVENS TYPE L RECORDER WAS IN SERVICE FROM OCTOBER 1, 1955 TO SEPTEMBER 30, 1957.

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, 1957.

EXTREMES OF DISCHARGE:
1955-56
MAXIMUM 216 SECOND-FEET JANUARY 26.
MINIMUM NO FLOW AT VARIOUS TIMES.
1956-57
MAXIMUM 288 SECOND-FEET FEBRUARY 23.
MINIMUM NO FLOW AT VARIOUS TIMES.
1928-57
MAXIMUM NOT DETERMINED MARCH 2, 1938.
MINIMUM 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, 19 56

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	+	0.2	+	b 0.1	+	0.1	+				
2			+		0.1		+					
3			+		+							
4			0.4		+							
5			+		0.1							
6					0.1							
7					+			+				
8								0.2				
9								3.4				
10					+		+	+	RECORDER STOPPED FOR SUMMER			
11					0.1		0.5					
12		+			+		3.1					
13		0.1					1.1					
14		1.0					+					
15		+										
16												
17												
18												
19												
20		+			+							+
21		0.6										
22		e +	+		0.1							
23		e	0.1		1.8							
24		e	0.1	+	+			+				
25			+	2.2			+					
26				39			0.8					
27				4.3			+					
28				0.6	+							
29				0.4								
30		+		0.7			+	RECORDER STOPPED				+
31	+		+	0.8		+						
	+	1.7	0.8	48.0	2.4	+	5.5	3.5	+	+	+	+
MEAN	+	0.06	0.03	1.55	0.08	+	0.19	0.11	+	+	+	+
ACRE-FEET	+	3.4	1.6	95.	4.8	+	11.	6.9	+	+	+	+

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.17
ACRE-FEET 123.

78D74M Cab 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F43-R

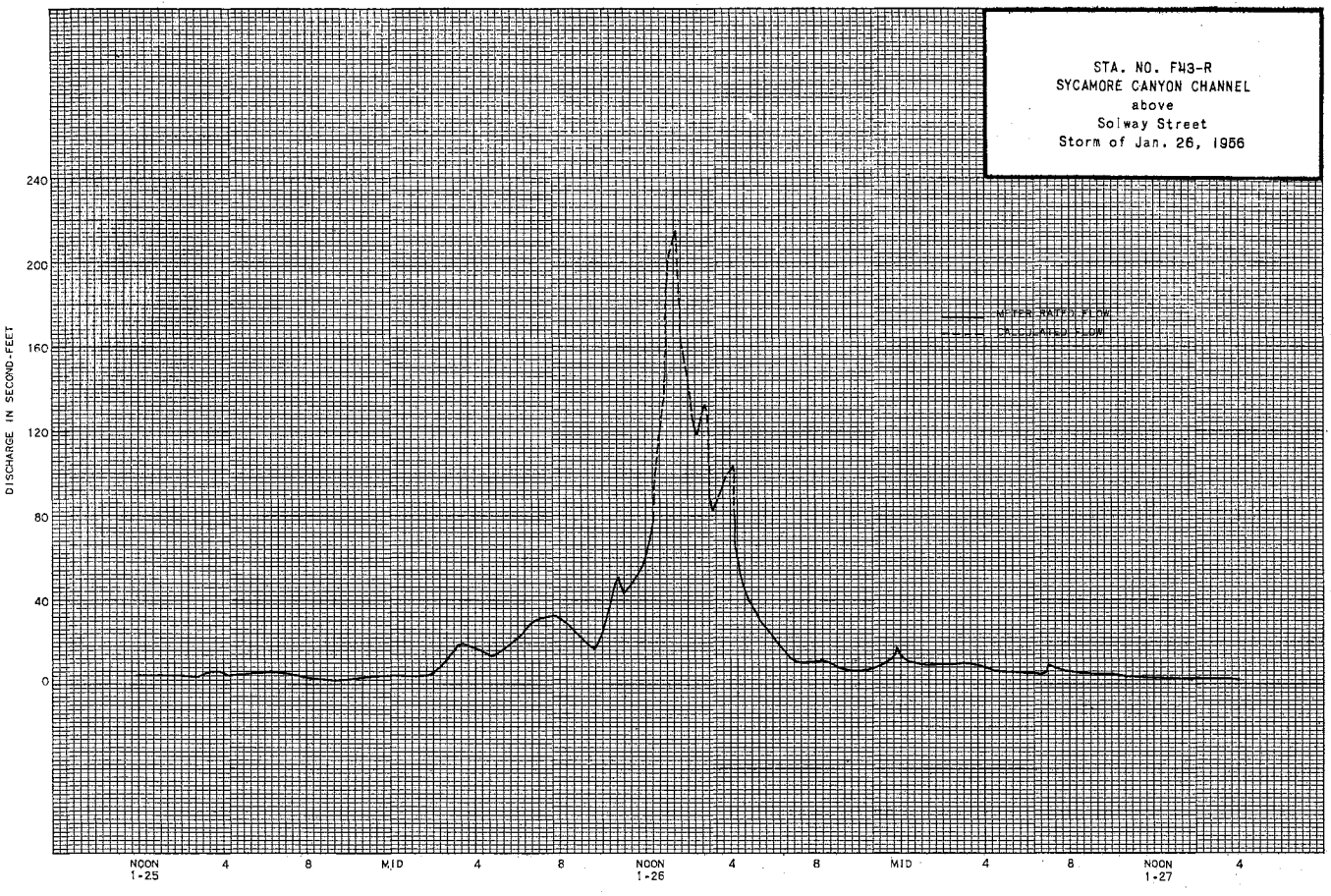
Daily discharge, in second-feet of SYCAMORE CANYON CHANNEL above Solway Street for the year ending September 30, 19 57

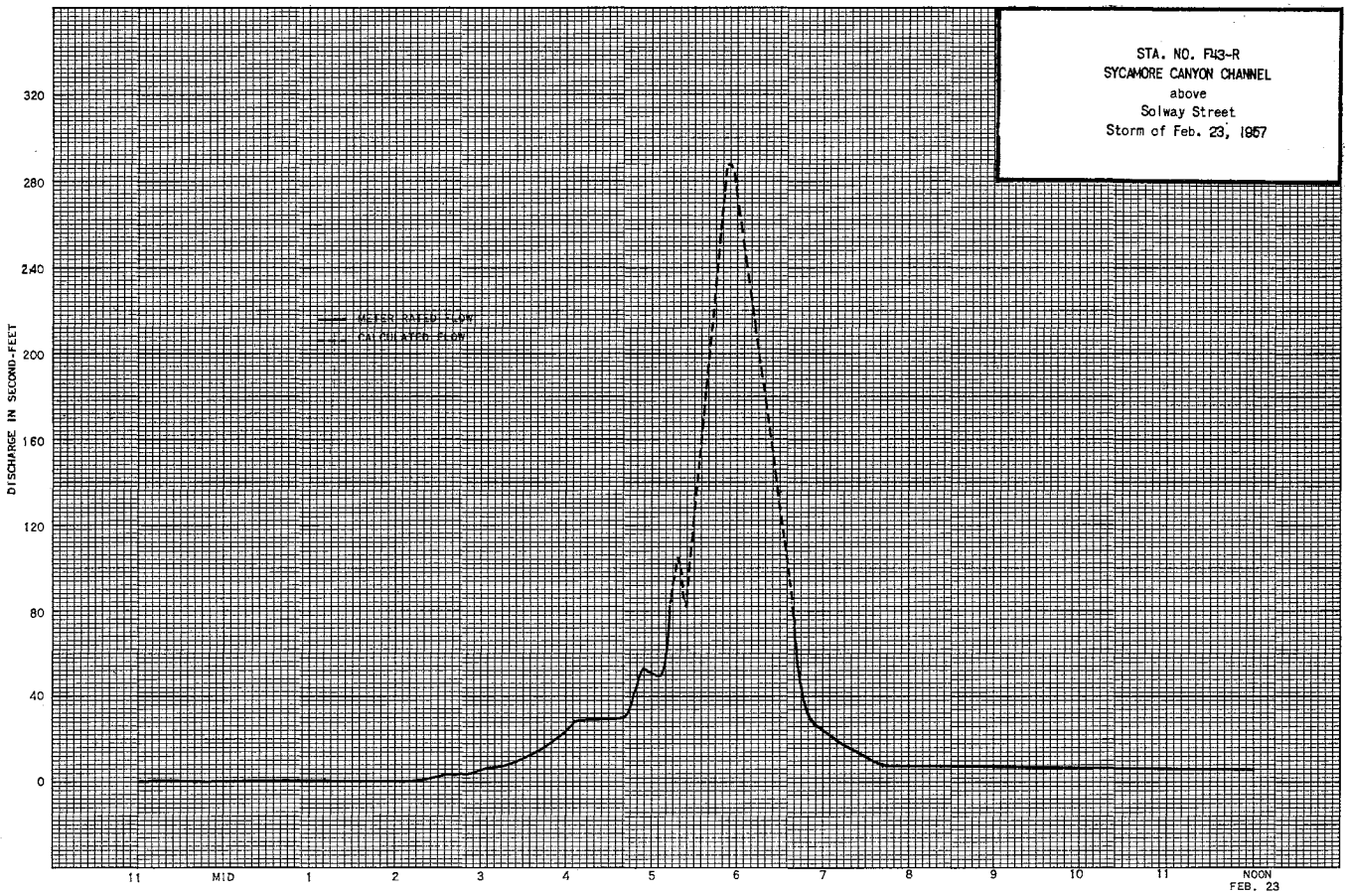
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	+	+	+	+	1.8	+	+	+			
2	+					+						
3	+											
4	0.2											
5	+			0.4								
6				+					+			
7												
8						+						
9						0.4						
10						+						
11				+				0.9				
12				3.0		+		+				
13				4.7				+				
14				+		0.1		0.2				
15				+		0.2	+	+				
16						2.2	0.1	+	RECORDER STOPPED			
17				a		+	0.5	+				
18							0.5	0.1				
19				+			+	0.4				
20				0.2			1.8	+				
21				+	+		+	0.3				
22				+	15.3			+				
23				0.1	+							
24				a 0.1								
25				0.1								
26				0.4	0.2							
27	+			0.4	0.1							
28	0.3			+	4.0							
29	+			0.6								
30	+	+		+		+	+	+	+	+	+	+
31	+		+	+								

MEAN	0.02	+	+	0.32	0.70	0.15	0.10	0.06	+	+	+	+
ACRE-FEET	0.99	+	+	20.	39.	9.3	5.8	3.8	+	+	+	+

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.11
ACRE-FEET 79.





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: INSTALLED DECEMBER 15, 1927 AT STATION F44-R AND REINSTALLED AUGUST 3, 1948 UNDERGROUND IN A 3 FT. X 3 FT. CONCRETE HOUSE AND STILLING WELL COMBINED. AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1955 TO SEPTEMBER 30, 1957.

REGULATIONS: NONE.

DIVERSIONS: NONE.

RECORDS AVAILABLE: DECEMBER 15, 1927 TO SEPTEMBER 30, 1957.

EXTREMES OF DISCHARGE:

1955-56
MAXIMUM 841 SECOND-FEET JANUARY 26.
MINIMUM LESS THAN 0.01 SECOND-FOOT VARIOUS TIMES.

1956-57
MAXIMUM 1085 SECOND-FEET FEBRUARY 23.
MINIMUM NO FLOW AT VARIOUS TIMES.

1927-57
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.

FEDTAM Cab 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. FWB-R

Daily discharge, in second-feet of SYCAMORE CANYON CHANNEL at Adams Square, for the year ending September 30, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.1	0.01	4.3	+	0.5	a 0.05	a 5.4	0.04				
2	0.04	0.02	0.04	0	0.5	0.05	0.5	0.04				
3	0.04	0.02	0.02	0.01	0.4	0.06	0.1	0.04				
4	0.04	0.1	5.3	0.01	0.3	0.07	0.04	a 0.04				
5	0.04	0.1	0.01	0.02	0.1	0.08	0.02	0.04				
6	0.04	0.1	0.04	0.3	0.1	0.09	0.02	0.04				
7	0.04	0.1	0.01	0.04	0.04	0.1	0.02	0.04				
8	0.02	0.04	0.01	0.04	0.04	a 0.1	0.02	0.5				
9	0.04	0.04	+	0.04	0.04	0.04	0.02	1.90				
10	0.02	0.1		0.04	0.04	0.02	0.02	0.5				
11	0.01	0.04		0.04	0.04	0.01	6.3	0.1				
12	0.01	0.04		0.5	0.02	+	2.4	0.04				
13	0.01	1.1		0.3	0.02	+	a 5.0	0.04				
14	0.04	12.2		0.04	0.01	0.02	b 0.4	0.04				
15	0.04	0.02		0.02	0.01	0.04	0.1	a 0.04				
16	0.02	0.04		0.02	0.01	0.04	0.03	0.02				
17	0.02	0.9		0.01	0.04	0.04	0.03	0.04				
18	0.02	0.01		0.01	0.1	0.02	0.03	0.04				
19	0.02	0.01		0.01	0.1	0.01	0.03	0.04				
20	0.01	0.01		0.01	0.1	0.02	b 0.03	0.04				
21	0.04	8.2	+	0.01	0.1	0.04	0.02	0.04				0.04
22	0.02	0.02	0.04	0.02	0.1	0.04	0.02	0.04				0.04
23	0.02	0.02	0.7	0.3	11.4	0.04	0.02	0.04				0.1
24	0.02	0.01	1.7	0.04	0.8	0.1	0.02	0.04				0.1
25	0.01	0.01	0.8	22	0.4	a 0.03	0.01	0.04				0.1
26	0.01	+	0.2	158	0.3	0.03	7.9	0.03				0.3
27	0.02	+	0.05	8.8	0.1	0.03	0.6	0.03				0.3
28	0.02	+	+	2.0	0.04	0.03	0.1	0.03				0.3
29	0.01	0.01		3.0	0.02	0.03	0.04	0.02				0.3
30	0.01	0.01		7.9		0.03	0.04	0.02				0.04
31	0.01		+	2.7		a 0.03		0.02				
	0.81	23.28	13.22	207.59	15.77	1.29	50.88	21.07	0.9	1.0	1.0	2.22
MEAN	0.03	0.78	0.43	6.70	0.54	0.04	1.70	0.68	0.03	0.03	0.03	0.07
ACRE-FEET	1.6	46.	26.	412.	31.	2.6	101.	42.	1.8	2.0	2.0	4.4

Remarks: + = LESS THAN 0.01 CFS

YEAR OR PERIOD MEAN 0.93
ACRE-FEET 672.

FEDTAM Cab 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

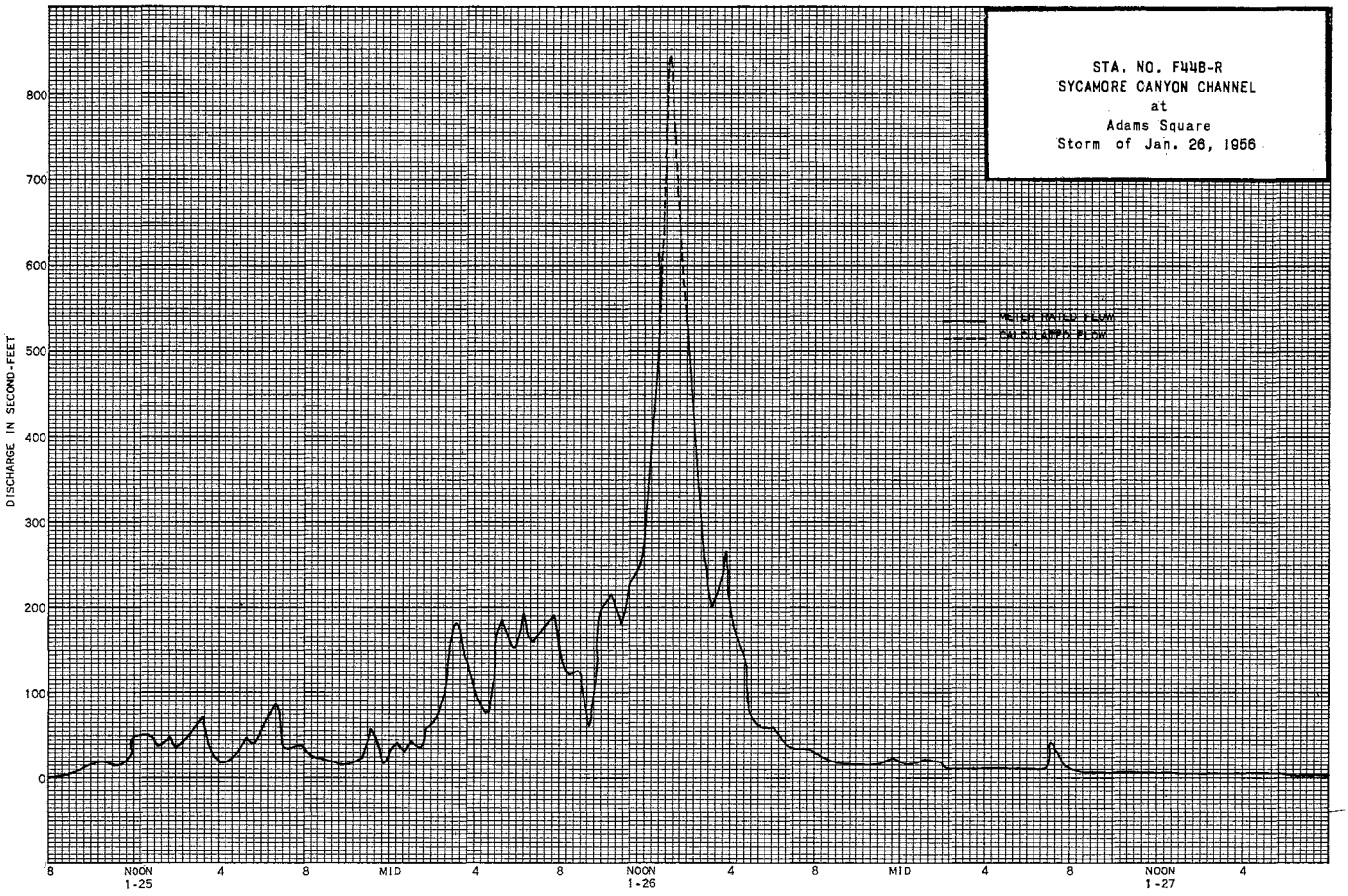
Sta. No. FWB-R

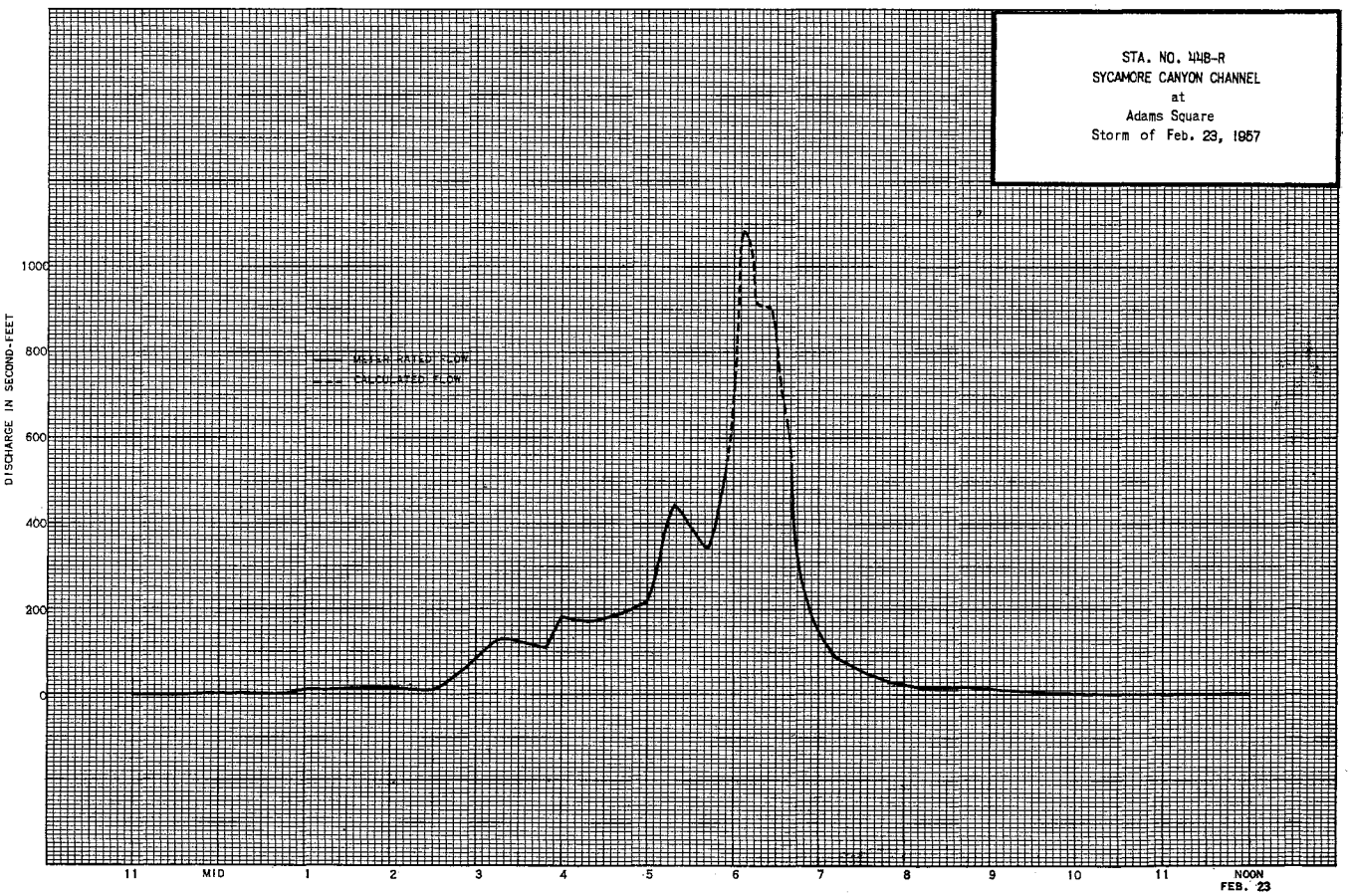
Daily discharge, in second-feet of SYCAMORE CANYON CHANNEL at Adams Square, for the year ending September 30, 1957

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.1	0.4	0.02	0.03	0.4	5.6	0.1	0.03				
2	0.2	0.5	0.03	0.1	0.1	0.4	0.03	0.2				
3	0.2	0.7	0.1	0.2	0.03	0.4	0.1	0.2				
4	4.7	0.7	0.02	0.4	0.03	0.4	0.1	0.03				
5	0.2	0.5	1.5	5.6	0.03	0.4	0.2	0.1				
6	0.2	0.4	0.03	0.03	0.03	0.2	0.1	0.1				
7	0.2	0.1	0.2	1.1	0.03	0.03	0.1	0.1				
8	0.4	0.2	0.03	0.1	0.2	0.1	0.2	0.1				
9	0.4	0.2	0.03	0.02	0.2	4.3	0.2					
10	0.2	0.1	0.1	2.2	0.2	0.2	0.1					
11	0.2	0.03	0.1	0.1	0.2	0.2	0.1					
12	0.2	0.03	0.03	21	0.2	0.2	0.1					
13	0.2	0.03	0.03	22	0.2	0.1	0.1					
14	0.2	0.03	0.03	0.03	0.2	0.1	0.1					
15	0.2	0.02	0.1	0.03	0.2	0.1	0.1					
16	0.2	0.02	0.03	0.03	0.2	14.8	0.2					
17	0.2	0.02	0.1	0.02	0.2	0.4	5.6					
18	0.2	0.01	0.1	0.02	0.2	0.4	0.6					
19	0.1	0.1	0.03	0.01	0.2	0.2	0.4					
20	0.2	0.2	0.03	3.9	0.2	0.1	13.9					
21	0.4	0.2	0.03	0.2	0.1	0.1	0.5					
22	0.2	0.1	0.03	0.03	0.1	0.2	0.4					
23	0.4	0.03	0.03	2.5	7.2	0.1	0.2					
24	0.4	0.03	0.03	1.4	0.8	0.1	0.4					
25	0.4	0.03	0.03	1.4	0.7	0.1	0.2					
26	0.4	0.03	0.03	3.9	0.7	0.1	0.1					
27	0.2	0.03	0.03	4.3	0.7	0.1	0.03					
28	2.5	0.03	0.03	0.2	17.5	0.1	0.03					
29	0.4	0.03	0.1	6.3		0.2	0.1					
30	0.4	0.03	0.03	0.2		0.1	0.03					
31	0.4		0.03	0.4		0.1						
	14.8	4.8	3.0	79.0	25.8	29.9	29.4	2.0	0.9	1.0	1.0	2.0
MEAN	0.48	0.16	0.09	2.54	3.42	0.96	0.98	e 0.06	e 0.03	e 0.03	e 0.03	e 0.07
ACRE-FEET	29.	9.5	6.0	157.	190.	59.	58.	e 4.0	e 1.8	e 2.0	e 2.0	e 4.0

Remarks: e ESTIMATED

YEAR OR PERIOD MEAN 0.72
ACRE-FEET 522.


STA. NO. F44B-R
SYCAMORE CANYON CHANNEL
at
Adams Square
Storm of Jan. 26, 1956
DISCHARGE IN SECOND-FEET
0
100
200
300
400
500
600
700
800
8
NOON
1-25
4
8
MID
4
8
NOON
1-26
4
8
MID
4
8
NOON
1-27
4


STA. NO. 44B-R
SYCAMORE CANYON CHANNEL
at
Adams Square
Storm of Feb. 23, 1957
DISCHARGE IN SECOND-FEET
0
200
400
600
800
1000
11
MID
1
2
3
4
5
6
7
8
9
10
11
NOON
FEB. 23

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 FT. X 3 FT. 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 FT. X 3 FT. 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: INSTALLED JANUARY 14, 1941 OVER A 24-INCH DIAMETER CORRUGATED IRON PIPE STILLING WELL. A STEVENS TYPE L RECORDER WAS IN SERVICE FROM OCTOBER 1, 1955 TO SEPTEMBER 30, 1957.

REGULATION AND/OR DIVERSIONS: INFLOW TO THOMPSON CREEK DAM FROM COBAL AND PALMER CANYONS CAN BE DIRECTED THROUGH A 3 FT. X 3 FT. 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, 1957.

EXTREMES OF DISCHARGE:
1955-56
NO FLOW FOR ENTIRE YEAR.
1956-57
NO FLOW FOR ENTIRE YEAR.
1940-57
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.

STATION F32-R
THOMPSON CREEK below Thompson Creek dam

LOCATION: WATER-STAGE RECORDER, LAT. 34°08'22", LONG. 117°42'32", ON THE LEFT (EAST) 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: INSTALLED DECEMBER 21, 1943, REINSTALLED AUGUST 1952 OVER A 3 FT. X 4 FT. CONCRETE STILLING WELL. A HORIZONTAL RATIONAL RECORDER WAS IN SERVICE FROM OCTOBER 1, 1955 TO SEPTEMBER 30, 1957.

REGULATION AND/OR DIVERSION: INFLOW TO THOMPSON CREEK DAM FROM COBAL AND PALMER CANYONS CAN BE DIRECTED THROUGH A 3 FT. X 3 FT. 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, 1957. FOR MEASUREMENTS PRIOR TO DECEMBER 21, 1943, SEE STATION F32-S, FROM MARCH 1928. SEE RECORDS BASED ON DAM OUTFLOW.

EXTREMES OF DISCHARGE:
1955-56
NO FLOW FOR ENTIRE YEAR.
1956-57
NO FLOW FOR ENTIRE YEAR.
1944-57
MAXIMUM 5.3 SECOND-FEET MARCH 17, 1952.
MINIMUM NO FLOW EXCEPT IN MARCH 1952.

ACCURACY: GOOD.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT FOR MEASURING OUTFLOW FROM THOMPSON CREEK DAM.

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 2 MILES NORTH OF TOPANGA BEACH AND ABOUT 6 MILES NORTHWEST OF SANTA MONICA. ELEVATION OF ZERD 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: INSTALLED JANUARY 1, 1930 AT STATION F54-R REMOVED JUNE 4, 1940. INSTALLED JUNE 5, 1940 AT STATION F54B-R. REMOVED DECEMBER 9, 1941. REINSTALLED DECEMBER 9, 1941 AT THE APPROXIMATE FORMER LOCATION IN A CONCRETE HOUSE AND WELL CONSTRUCTED IN THE ABUTMENT OF THE CONCRETE BRIDGE. A STEVENS CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1955 TO SEPTEMBER 30, 1957.

REGULATION: NONE.

DIVERSIONS: NONE.

RECORDS AVAILABLE: JANUARY 1, 1930 TO SEPTEMBER 30, 1957.

EXTREMES OF DISCHARGE:
1955-56
MAXIMUM 1540 SECOND-FEET, JANUARY 26.
MINIMUM 0.01 SECOND-FOOT VARIOUS TIMES.
1956-57
MAXIMUM 655 SECOND-FEET FEBRUARY 23.
MINIMUM 0.01 SECOND-FOOT VARIOUS TIMES.
1930-57
MAXIMUM 9,300 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 IN COOPERATION WITH THE UNITED STATES GEOLOGICAL SURVEY, WATER RESOURCES BRANCH.

DISCHARGE MEASUREMENTS OF TOPANGA 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.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
923	10/13	1225 / 1230	DE MARS	0.7	0.03	0.67	2.32	0.02		.5	5	0	FC48
924	10/27	1119 / 1125	"	0.8	0.07	0.28	2.33	0.02		.5	5	0	"
925	11/10	1200 / 1205	"	0.7	0.04	0.50	2.33	0.02		.5	4	0	"
926	11/14	0630 / 0655	DE MARS - GARDNER	18.0	9.91	0.29	2.66	2.9		.6 .5	10	-.02	FC34
927	11/17	1257 / 1301	DE MARS-CAIRE	1.0	0.06	0.83	2.35	0.05		.5	3	0	"
928	11/23	1317 / 1320	DE MARS	1.10	0.08	0.62	2.34	0.05		.5	3	0	FC48
929	12/4	1140 / 1147	"	3.3	0.97	0.26	2.40	0.25		.5	7	0	"
930	12/25	1030 / 1130	"	3.50	1.08	0.50	2.48	0.54		.5	8	0	FC34
931	12/29	1050 / 1056	"	2.20	0.46	0.13	2.34	0.06		.5	6	0	FC48
932	1/12	1008 / 1012	"	1.10	0.08	0.50	2.36	0.04		.5	5	0	"
933	1/19	1140 / 1142	"	0.80	0.03	0.33	2.31	0.01		.5	3	0	"
934	1/25	1410 / 1425	"	23.0	16.5	0.88	2.96	14.6		.5	11	+0	FC34
935	1/29	1020 / 1025	"	7.5	2.30	1.17	2.89	2.7		.6 .5	7	+0	"
936	1/31	0115 / 0130	DE MARS-CAIRE	23.0	10.4	1.88	3.20	19.6		.6 .5	14	+0	"
937	1/31	1531 / 1540	DE MARS	8.8	3.47	1.44	2.93	5.0		.5	10	+0	"
938	2/2	1500 / 1510	DE MARS-FALCONE	5.0	1.39	1.29	2.77	1.8		.5	8	+0	FC48
939	2/9	1129 / 1139	DE MARS - HOLLERON	4.2	0.98	0.53	2.67	0.52		.5	9	+0	"
940	2/16	1200 / 1205	" "	3.9	0.88	0.46	2.64	0.41		.5	8	+0	"
941	2/23	1132 / 1141	" "	7.8	3.18	1.26	2.91	4.0		.6 .5	9	+.02	FC34
942	2/23	1727 / 1737	" "	18.3	12.2	1.89	3.24	23.1		.5	12	-.04	"
943	2/24	1353 / 1402	" "	8.0	2.76	1.12	2.85	3.1		.5	9	0	FC56
944	3/1	1316 / 1328	HOLLERON-DE MARS	4.1	1.05	0.68	2.68	0.71		.5	9	0	FC48
945	3/8	1433 / 1443	HOLLERON	3.7	0.89	0.53	2.62	0.47		.5	8	0	"
946	3/15	1308 / 1318	HOLLERON	3.4	0.57	0.65	2.62	0.37		.5	8	0	FC48
947	3/22	1300 / 1308	HOLLERON-LINDSAY	2.8	0.50	0.60	2.60	0.30		.6	7	0	FC48
948	3/29	1020 / 1028	HOLLERON	2.7	0.46	0.50	2.57	0.23		.5	7	0	"
949	4/5	1448 / 1458	"	2.9	0.58	0.34	2.56	0.20		.5	7	0	"
950	4/12	1357 / 1408	HOLLERON-CAIRE	17.0	8.37	1.57	3.10	13.1		.5 .6	10	0	FC34
951	4/14	1011 / 1019	HOLLERON	4.5	1.56	1.54	2.77	2.4		.5 .6	9	0	FC48
952	4/19	1445 / 1457	"	3.6	0.79	0.86	2.65	0.68		.5	8	0	"
953	4/26	1407 / 1414	HOLLERON-CAIRE	9.3	3.62	1.41	2.87	5.1		.5	9	0	"
954	5/3	1200 / 1212	HOLLERON	3.8	0.78	0.64	2.59	0.5		.5	9	0	"
955	5/9	1045 / 1100	"	22.5	10.1	1.78	3.15	18.0		.5 .6	11	-.02	FC34
956	5/10	1625 / 1637	"	5.0	1.53	1.44	2.74	2.2		.5	11	0	FC48
957	5/17	1230 / 1240	"	4.0	0.71	0.62	2.68	0.44		.5	9	0	"
958	5/24	1145 / 1200	"	3.9	0.68	0.53	2.67	0.36		.5	9	0	"
959	5/31	1617 / 1627	"	3.7	0.62	0.47	2.60	0.29		.5	8	0	"
960	6/7	1320 / 1330	"	3.6	0.60	0.35	2.58	0.21		.5	8	0	"
961	6/13	1640 / 1648	"	3.4	0.51	0.25	2.53	0.13		.5	6	0	"
962	6/20	1335 / 1343	"	3.6	0.49	0.29	2.59	0.14		.5	5	0	"
963	6/27	1304 / 1312	"	3.5	0.50	0.16	2.56	0.08		.5	5	0	"
964	7/6	1400 / 1406	"	3.5	0.53	0.11	2.51	0.06		.5	6	0	"
965	7/11	1640 / 1650	"	1.0	0.12	0.58	2.49	0.07		.5	5	0	"
966	7/19	1320 / 1325	"	1.0	0.12	0.50	2.49	0.06		.5	5	0	"
967	7/26	1055 / 1105	HOLLERON-BOWMAN	1.0	0.12	0.50	2.48	0.06		.5	5	0	"
968	8/2	1540 / 1545	HOLLERON	0.6	0.07	0.57	2.47	0.04		.5	5	0	"
969	8/8	1525 / 1530	"	0.6	0.06	0.50	2.46	0.03		.5	5	0	"
970	8/15	1300	HOLLERON-SADDORIS				2.46	0.01		VOL.		0	
971	8/22	1630	HOLLERON				2.44	0.013		VOL.		0	
972	8/30	1310 / 1315	SJOSTEDT	0.60	0.60	0.83	2.48	0.05		.5	5	0	FC50
973	9/13	1345 / 1351	"	0.60	0.06	0.33	2.44	0.02		.5	5	0	"
974	9/20	1325 / 1330	"	0.60	0.05	0.60	2.44	0.03		.5	5	0	"
975	9/27	1245 / 1250	FALCONE-SJOSTEDT	0.60	0.04	0.50	2.43	0.02		.5	4	0	"

DISCHARGE MEASUREMENTS OF TOPANGA CREEK

~~AT~~ NEAR above Mouth of 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./SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
976	10/4	1350 / 1355	SJOSTEDT	0.6	0.06	0.45	2.45	0.03		.5	5	0	FC50
977	10/11	1515 / 1520	"	0.6	0.06	0.50	2.46	0.03		.5	5	0	"
978	10/18	1250 / 1255	"	0.6	0.06	0.67	2.47	0.04		.5	5	0	"
979	10/25	1050 / 1055	"	0.6	0.06	0.50	2.46	0.03		.5	5	0	"
980	11/1	1113 / 1118	"	0.6	0.06	0.50	2.50	0.03		.5	5	0	"
981	11/8	1055 / 1100	"	0.6	0.06	0.50	2.50	0.03		.5	5	0	"
982	11/15	1140 / 1145	"	0.6	0.06	0.50	2.50	0.03		.5	5	0	"
983	11/21	1255 / 1300	"	0.6	0.06	0.50	2.50	0.03		.5	5	0	"
984	11/29	1200 / 1207	"	0.6	0.06	0.33	2.50	0.02		.5	5	0	"
985	12/6	1050 / 1100	"	0.6	0.08	0.62	2.53	0.05		.5	5	0	"
986	12/13	1425 / 1430	"	0.6	0.08	0.50	2.51	0.04		.4	4	0	"
987	12/20	1115 / 1120	"	0.6	0.08	0.48	2.51	0.04		.5	5	0	"
988	1/3	1150 / 1155	"	0.6	0.09	0.56	2.50	0.05		.5	5	0	"
989	1/10	1055 / 1105	"	1.0	0.15	0.53	2.51	0.08		.5	7	0	"
990	1/17	1110 / 1115	"	1.0	0.10	0.70	2.60	0.07		.5	5	0	"
991	1/24	1230 / 1234	"	2.4	0.43	1.25	2.67	0.54		.5	6	0	"
992	1/29	0940 / 0950	"	9.0	2.79	1.40	2.85	3.9		.5	10	0	"
993	1/31	1055 / 1105	WOOD-SJOSTEDT	5.0	1.37	1.38	2.76	1.9		.5 .6	9	0	"
994	2/7	1410 / 1415	SJOSTEDT	1.6	0.25	0.96	2.62	0.24		.5	6	0	"
995	2/14	1125 / 1130	"	1.5	0.21	0.81	2.61	0.17		.5	6	0	"
996	2/21	1100 / 1105	"	1.3	0.14	0.71	2.60	0.10		.5	6	0	"
997	2/23	0818 / 0826	"	21.5	30.0	3.57	3.82	107.		.6	9	0	FC47
998	2/24	1035 / 1050	"	11.5	2.56	1.92	2.85	4.9		.5 .6	13	0	FC50
999	2/29	1718 / 1730	SJOSTEDT	20.0	7.68	1.94	3.05	14.9		.5	12	0	FC47
1000	3/17	1438 / 1445	"	4.0	0.67	1.49	2.68	1.0		.5	7	0	FC50
1001	3/14	1113 / 1120	ROY-SJOSTEDT	3.0	0.36	1.17	2.63	0.42		.5	7	0	"
1002	3/16	0730 / 0745	SJOSTEDT	10.0	3.27	1.47	2.86	4.8		.5 .6	11	0	FC47
1003	3/21	1115 / 1125	MC BRIDE-SJOSTEDT	3.0	0.44	0.91	2.62	0.40		.5	7	0	FC50
1004	3/28	1105 / 1110	SJOSTEDT	2.0	0.17	1.29	2.59	0.22		.5	5	0	"
1005	4/4	1400 / 1405	"	2.0	0.16	0.87	2.58	0.14		.5	5	0	"
1006	4/11	1105 / 1110	"	2.0	0.16	1.00	2.57	0.16		.5	5	0	"
1007	4/18	1440 / 1450	"	9.4	2.65	1.21	2.79	3.2		.5	8	0	"
1008	4/20	1620 / 1630	"	10.0	2.78	1.40	2.82	3.9		.5	11	0	"
1009	4/25	1140 / 1145	"	2.0	0.25	0.84	2.55	0.21		.5	5	0	"
1010	5/2	1350 / 1355	"	1.2	0.08	0.87	2.58	0.07		.5	4	0	"
1011	5/9	1120 / 1125	"	15.0	0.12	0.76	2.58	0.09		.5	6	0	"
1012	5/16	1030 / 1040	BROOK-SJOSTEDT	1.4	0.17	0.59	2.58	0.10		.5	6	0	"
1013	5/23	1115 / 1120	SJOSTEDT	1.7	0.17	0.53	2.59	0.09		.5	6	0	"
1014	5/29	1250 / 1255	"	1.0	0.06	1.00	2.57	0.06		.5	5	0	"
1015	6/6	1125 / 1130	"	1.2	0.08	0.62	2.56	0.05		.5	5	0	"
1016	6/13	1112 / 1116	WOOD-SJOSTEDT	1.0	0.06	0.67	2.57	0.04		.5	5	0	"
1017	6/27	1102 / 1110	" "	0.9	0.06	0.67	2.55	0.04		.5	5	0	"
1018	7/5	1135 / 1142	WOOD	1.0	0.05	0.60	2.54	0.03		.5	6	0	"
1019	7/11	1315 / 1320	SJOSTEDT	0.8	0.06	0.50	2.54	0.03		.5	5	0	"
1020	7/18	1415 / 1420	"	0.8	0.05	0.40	2.54	0.02		.5	5	0	"
1021	7/25	1410 / 1415	"	0.6	0.03	0.67	2.53	0.02		.5	5	0	"
1022	8/1	1055 / 1100	"	0.6	0.04	0.50		0.02		.5	5		"
1023	8/8	1412 / 1418	WOOD	0.6	0.02	0.50	2.53	0.01		.5	4	0	"
1024	8/15	1115 / 1120	SJOSTEDT	0.5	0.04	0.75		0.03		.5	4		"
1025	8/22	1058 / 1102	"	0.5	0.05	0.60		0.03		.5	4		"
1026	9/26	1304 / 1306	WOOD	0.6	0.01	0.49		+		.5	3		"

FSD74M C-6 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F64B-R

Daily discharge, in second-feet of TOPANGA 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	0.02	0.02	0.1	0.1	3.2	0.7	0.3	0.6	0.3	0.07	0.04	0.01
2	0.02	0.02	0.1	0.1	1.9	0.6	0.2	0.6	0.2	0.07	0.04	+
3	0.02	0.02	0.04	0.05	1.7	0.7	0.2	0.5	0.1	0.07	0.04	+
4	0.02	0.02	0.3	0.05	1.4	0.7	0.2	0.5	0.1	0.07	0.04	0.02
5	0.02	0.02	0.1	0.04	1.1	0.7	0.2	0.6	0.1	0.07	0.05	0.02
6	0.02	0.02	0.1	0.05	1.0	0.6	0.2	0.3	0.1	0.07	0.05	0.02
7	0.02	0.04	0.1	0.05	0.8	0.6	0.2	0.2	0.2	0.07	0.05	0.01
8	0.02	0.02	0.05	0.07	0.7	0.6	0.2	0.3	0.2	0.07	0.05	0.01
9	0.02	0.02	0.04	0.05	0.6	0.6	0.2	13	0.2	0.07	0.05	0.01
10	0.02	0.02	0.05	0.05	0.5	0.6	0.2	2.7	0.2	0.07	0.04	0.01
11	0.02	0.02	0.05	0.04	0.5	0.6	2.7	1.5	0.2	0.07	0.02	0.01
12	0.02	0.02	0.04	0.04	0.5	0.4	11	1.3	0.2	0.07	0.02	0.02
13	0.02	0.04	0.01	+	0.5	0.3	5.0	0.8	0.2	0.07	0.02	0.02
14	0.02	1.1	+	0.04	0.5	0.4	2.3	0.7	0.2	0.05	0.01	0.02
15	0.02	0.07	+	0.04	0.5	0.4	1.7	0.7	0.2	0.05	0.01	0.02
16	0.02	0.05	0.01	0.01	0.4	0.2	1.3	0.6	0.1	0.04	0.01	0.02
17	0.02	0.05	0.02	+	0.3	0.2	1.0	0.5	0.1	0.04	0.01	0.02
18	0.02	0.05	0.05	0.01	0.3	0.2	0.8	0.5	0.1	0.05	0.01	0.02
19	0.02	0.05	0.04	0.01	0.2	0.3	0.8	0.4	0.1	0.05	0.01	0.04
20	0.02	0.04	0.04	0.04	0.2	0.3	0.6	0.2	0.1	0.05	0.01	0.04
21	0.02	0.2	+	0.1	0.2	0.3	0.6	0.3	0.1	0.05	0.01	0.04
22	0.02	0.1	+	0.1	0.3	0.3	0.5	0.3	0.1	0.05	0.01	0.04
23	0.02	0.05	0.1	0.1	9.9	0.3	0.3	0.3	0.1	0.07	0.01	0.04
24	0.02	0.05	0.1	0.1	3.7	0.3	0.3	0.4	0.1	0.07	0.01	0.04
25	0.02	0.05	0.5	6.1	1.8	0.3	0.2	0.4	0.1	0.07	0.01	0.02
26	0.02	0.05	0.3	337	1.4	0.3	5.5	0.4	0.1	0.07	0.01	0.02
27	0.02	0.05	0.5	b 22	0.9	0.3	1.5	f 0.4	0.07	0.05	0.01	0.02
28	0.02	0.05	0.1	b 5.9	0.8	0.2	0.9	b 0.4	0.07	0.05	0.01	0.02
29	0.02	0.05	0.1	b 3.0	0.8	0.2	0.8	b 0.3	0.07	0.05	0.01	0.02
30	0.02	0.05	0.1	3.0		0.2	0.7	b 0.3	0.07	0.05	0.01	0.02
31	0.02		0.1	8.5		0.3		f 0.3		0.05	0.01	
	0.62	2.41	3.14	386.74	36.6	12.7	40.6	30.4	4.08	1.87	0.69	0.62
MEAN	0.02	0.08	0.10	12.5	1.26	0.41	1.35	0.98	0.14	0.06	0.02	0.02
ACRE-FEET	1.2	4.8	6.2	767.	73.	25.	81.	61.	8.1	3.7	1.4	1.2

Remarks: + = LESS THAN 0.01 CFS

YEAR OR PERIOD MEAN 1.42
ACRE-FEET 1030.

TEDTAM Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

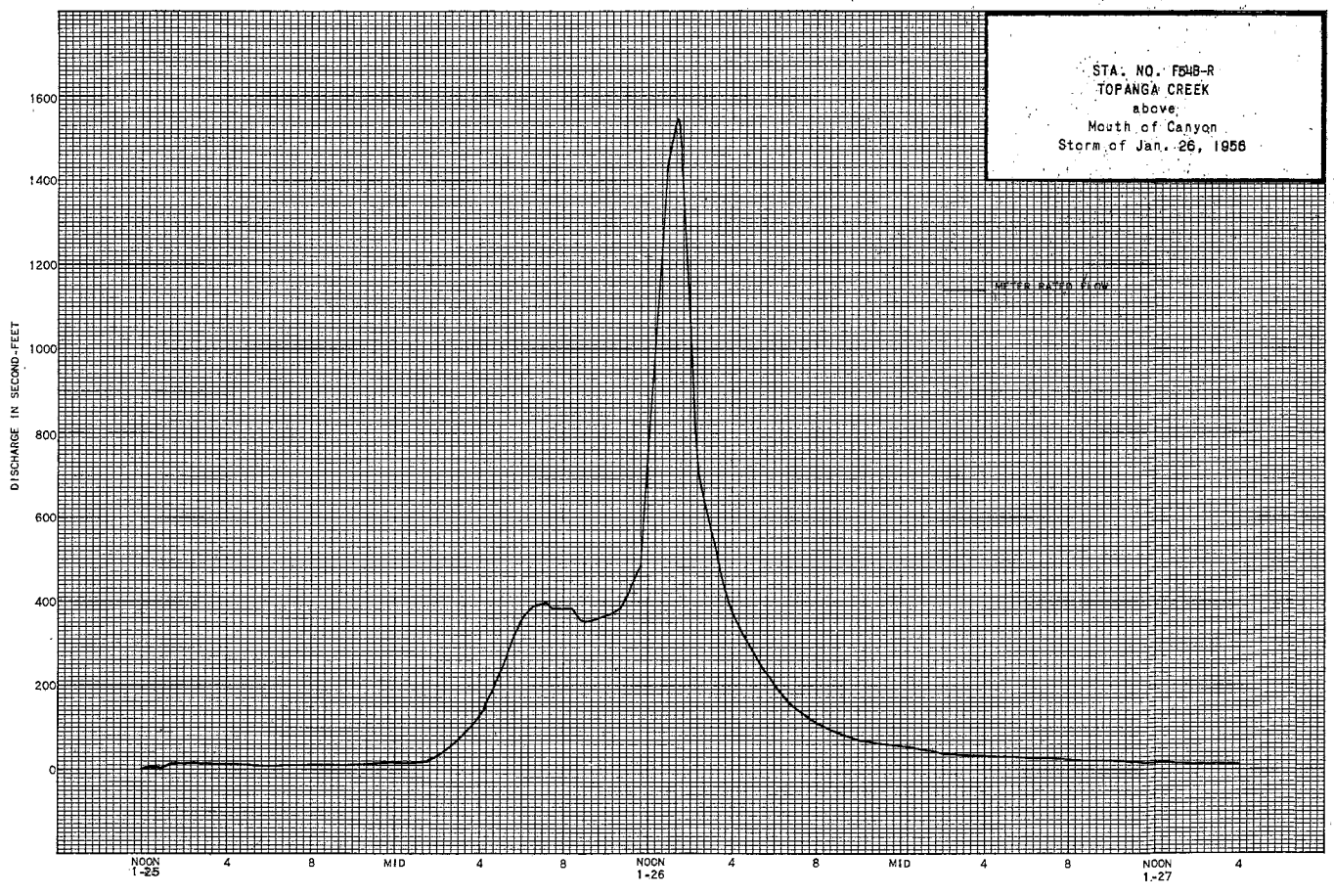
Sta. No. F54B-R

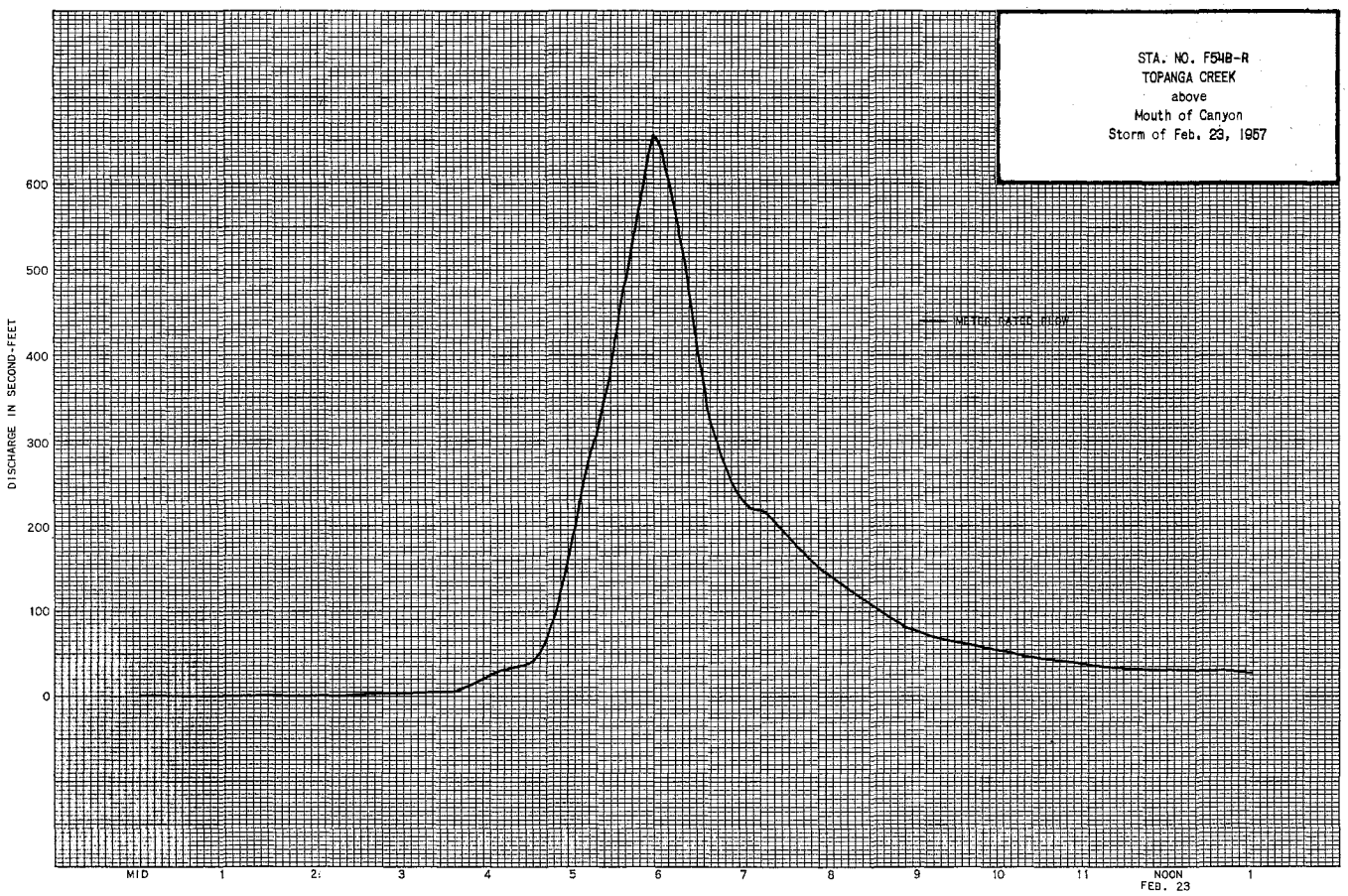
Daily discharge, in second-feet of TOPANGA CREEK above Mouth of Canyon for the year ending September 30, 1957

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.02	0.04	0.02	0.05	1.3	7.6	0.2	0.07	0.07	0.05	0.01	0.02
2	0.02	0.04	0.04	0.05	0.8	2.7	0.2	0.09	0.07	0.04	0.01	0.02
3	0.02	0.04	0.04	0.05	0.7	1.8	0.1	0.07	0.07	0.04	0.01	0.02
4	0.04	0.04	0.04	0.1	0.6	1.0	0.1	0.07	0.05	0.04	0.01	0.02
5	0.04	0.04	0.1	1.2	0.5	2.0	0.1	0.07	0.05	0.04	0.01	0.02
6	0.04	0.04	0.07	0.2	0.3	1.0	0.1	0.1	0.05	0.04	0.01	0.02
7	0.04	0.04	0.04	0.1	0.2	1.0	0.2	0.1	0.05	0.05	0.01	0.02
8	0.04	0.04	0.04	0.1	0.2	1.1	0.2	0.1	0.05	0.04	0.01	0.02
9	0.04	0.04	0.04	0.07	0.2	1.1	0.2	0.1	0.05	0.04	0.01	0.02
10	0.04	0.04	0.04	0.07	0.2	0.9	0.2	0.1	0.05	0.04	0.02	0.02
11	0.04	0.04	0.04	0.07	0.2	0.6	0.2	0.1	0.04	0.04	0.02	0.02
12	0.04	0.04	0.04	1.2	0.2	0.6	0.2	0.2	0.04	0.04	0.04	0.02
13	0.04	0.05	0.04	18	0.2	0.4	0.2	0.2	0.04	0.04	0.04	0.02
14	0.04	0.05	0.04	0.2	0.2	0.4	0.2	0.1	0.04	0.04	0.04	0.02
15	0.04	0.04	0.04	0.1	0.2	0.4	0.2	0.07	0.02	0.02	0.04	0.02
16	0.04	0.04	0.04	0.1	0.2	2.1	0.1	0.07	0.02	0.02	0.04	0.02
17	0.04	0.04	0.04	0.07	0.2	0.6	0.6	0.07	0.01	0.02	0.04	0.02
18	0.04	0.04	0.04	0.07	0.1	0.6	1.6	0.2	0.01	0.02	0.04	0.02
19	0.04	0.04	0.04	0.07	0.1	0.8	0.5	1.3	0.01	0.02	0.05	0.02
20	0.02	0.04	0.04	0.2	0.1	0.5	2.0	0.2	0.02	0.02	0.05	0.02
21	0.02	0.04	0.04	0.2	0.1	0.4	1.0	0.2	0.02	0.01	0.05	0.02
22	0.02	0.04	0.02	0.1	0.1	0.3	0.4	0.1	0.04	0.02	0.04	0.02
23	0.04	0.04	0.02	0.2	69	0.2	0.3	0.1	0.05	0.02	0.04	0.02
24	0.04	0.04	0.02	0.4	5.0	0.2	0.2	0.1	0.05	0.02	0.04	0.02
25	0.04	0.04	0.02	0.3	2.7	0.2	0.2	0.1	0.05	0.02	0.04	0.01
26	0.04	0.02	0.02	4.9	1.7	0.2	0.2	0.1	0.05	0.02	0.02	0.01
27	0.04	0.02	0.02	1.8	1.1	0.2	0.2	0.1	0.04	0.02	0.02	0.01
28	0.04	0.02	0.02	1.1	9.7	0.2	0.2	0.1	0.04	0.02	0.02	0.01
29	0.04	0.02	0.02	4.4		0.2	0.1	0.07	0.04	0.02	0.02	0.01
30	0.04	0.02	0.04	3.2		0.2	0.1	0.07	0.04	0.02	0.02	0.01
31	0.04		0.05	1.9		0.2		0.07		0.01	0.02	
	1.12	1.12	1.16	40.57	96.1	29.7	10.6	4.49	1.23	0.90	0.84	0.54
MEAN	0.04	0.04	0.04	1.31	3.43	0.96	0.35	0.14	0.04	0.03	0.03	0.02
ACRE-FEET	2.2	2.2	2.3	80.	191.	59.	21.	8.9	2.4	1.8	1.7	1.1

Remarks:

YEAR OR PERIOD MEAN 0.52
ACRE-FEET 374.





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 2 MILES NORTHWEST OF GLENDALE. ELEVATION OF ZERO GAGE HEIGHT, 464.78 FEET ABOVE MEAN SEA LEVEL.

DRAINAGE AREA: 22.4 AQUARE 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: INSTALLED DECEMBER 2, 1935 OVER A 20-INCH X 30-INCH CONCRETE WELL. AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1955 TO JUNE 14, 1957; A STEVENS TYPE A35B RECORDER WAS IN SERVICE FROM JUNE 14, 1957 TO SEPTEMBER 30, 1957.

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, 1957. FOR EARLIER RECORDS SEE STATION F9-R, VERDUGO AT GLEN OAKS BOULEVARD, AND F244-R VERDUGO AT DON CARLOS STREET.

EXTREMES OF DISCHARGE:

1955-56
MAXIMUM 1940 SECOND-FEET JANUARY 26.
MINIMUM NO FLOW AT VARIOUS TIMES.

1956-57
MAXIMUM 2960 SECOND.FEET FEBRUARY 23.
MINIMUM NO FLOW AT VARIOUS TIMES.

1935-57
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 LOS ANGELES COUNTY FLOOD CONTROL DISTRICT IN COOPERATION WITH CORPS OF ENGINEERS, DEPARTMENT OF THE ARMY.

DISCHARGE MEASUREMENTS OF VERDUGO CHANNEL

AT NEAR Estelle 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.	B. MT. CHAMBR TOTAL	METER NO.
128	4/13	0854 / 0856	BLAKELY	11.0	1.02	4.71		4.8			5		

TEDTCM Glb 12-53

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, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	+	10.6	0	0.1	0	7.1	+	+	0.1	+	0.1
2	+	0	0.5	0	0	+	0.1	0.1		0.1	+	0.1
3	+	+	0	+	+	0	0.1	0.2		0.1	0.1	0.1
4	0.5		10.7	0	0	+	+	+		0.1	+	0.1
5	0.6		0.1	+	+		+				+	+
6	+		+		0		0	+		0.1	+	
7	+		+		0		0			0.1	0.1	
8	+	+	0.1		+		0	1.9		+	+	
9	0.2	0	+		0	+		5.3		+	+	
10	+	+	+		+	+	0.1	0.1	+	0.2	+	
11		+	0	+	0.1	0.1	9.2	0.1	0	0.1	0.1	
12		0	+	0	0.1	+	7.4	+	+	+	0.1	
13		+	0	+	0.1	+	6.0	+	+	0.1	+	
14		2.2	+	+	0.1	0.1	0.1	+	0.1	0.1	+	
15	+	+	+	0.3	0.3	+		0.1	0.1	+		
16	0		+	0.1	0.1	+		0.1	0.1	0.1	0.1	
17	+		0	+	+	0		0.1	0.1	0.1	0.1	
18	+	+	0	0	0	0		0.1	0.1	0.1	0.1	
19	0	0	+	+	0	+		+	0.1	+	0.1	
20	+	0		+	+		+	0.1	0.2	0.1	0.1	
21	+	1.7	0.2	+	+	+	0.1	0.1	0.1	0.1	0.1	
22	0	+	0.2	+	0.1	+	0.1	0.1	+	0.1	+	
23	0	+	0.1	0.1	2.0	0	+	0.1		0.1	0.1	+
24	+	0	1.6	0.1	0.2	0	+	+		0.1	0.2	
25	+	0	1.5	7.1	+	+	+	0		0.2	0.2	0
26	0	+	0.3	5.5.0	0	0.1	2.0	0		0.1	0.1	0
27	+	0	0.4	2.2	0.1	0.1	1.2	0.5		0.5	+	0
28	0	+	+	0.2	0	+	+	0.1	+	+		+
29	+	0	+	+	+	+	+	0	0.1		+	+
30	0	+	0	7.7			0	+	0.1		+	
31	+		+	6.4		+		+		+	0.1	
	1.3	39.0	26.3	658.0	21.2	0.4	118.1	56.8	1.2	2.7	1.7	0.4

MEAN	0.04	1.30	0.85	21.2	0.73	0.01	3.94	1.83	0.04	0.09	0.05	0.01
ACRE-FEET	2.6	77.	52.	1310.	42.	0.8	234.	113.	2.3	5.4	3.4	0.8

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 2.53 ACRE-FEET 1840.

TEDTCM Glb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F252-R

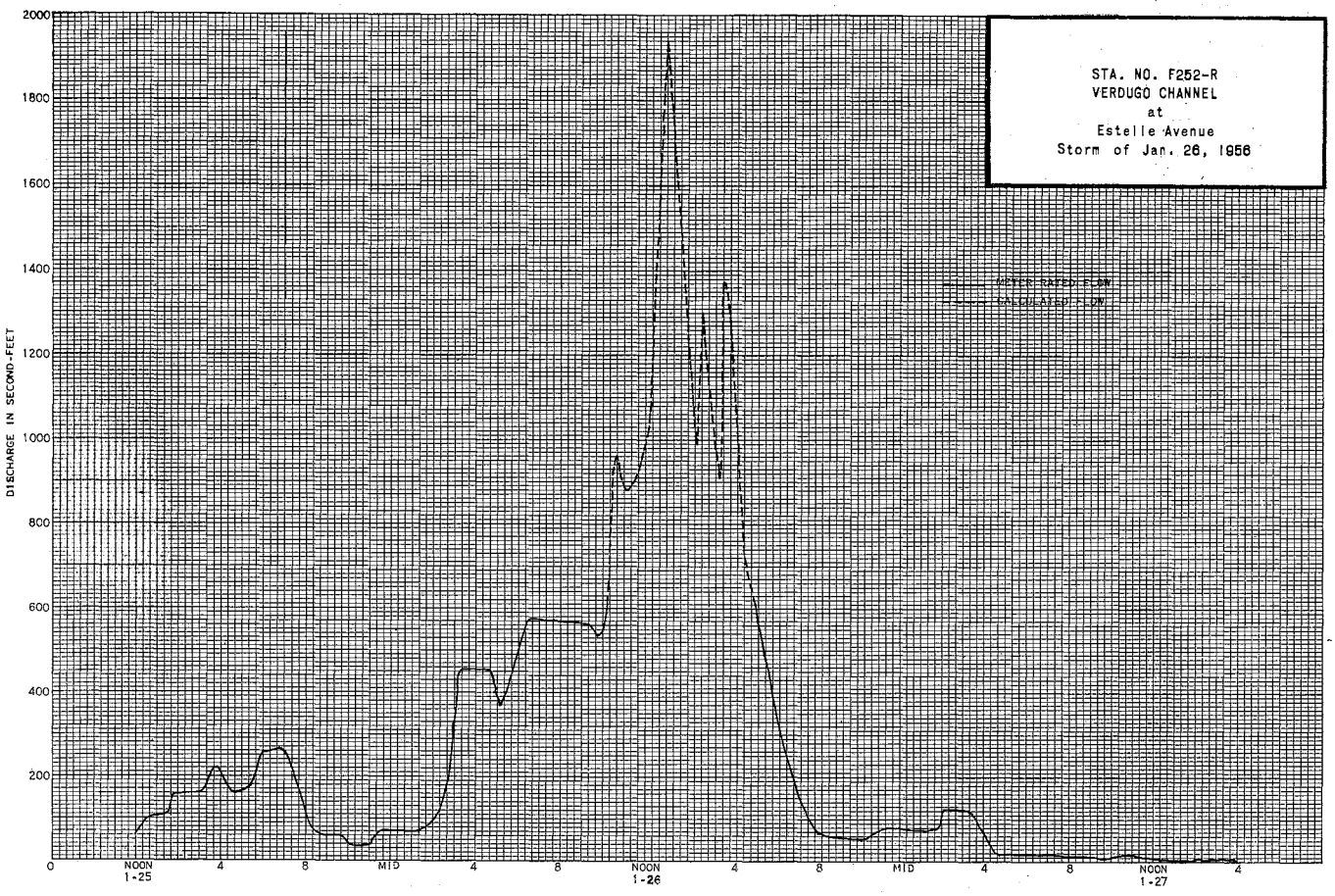
Daily discharge, in second-feet of VERDUGO CHANNEL at Estelle Avenue for the year ending September 30, 1957

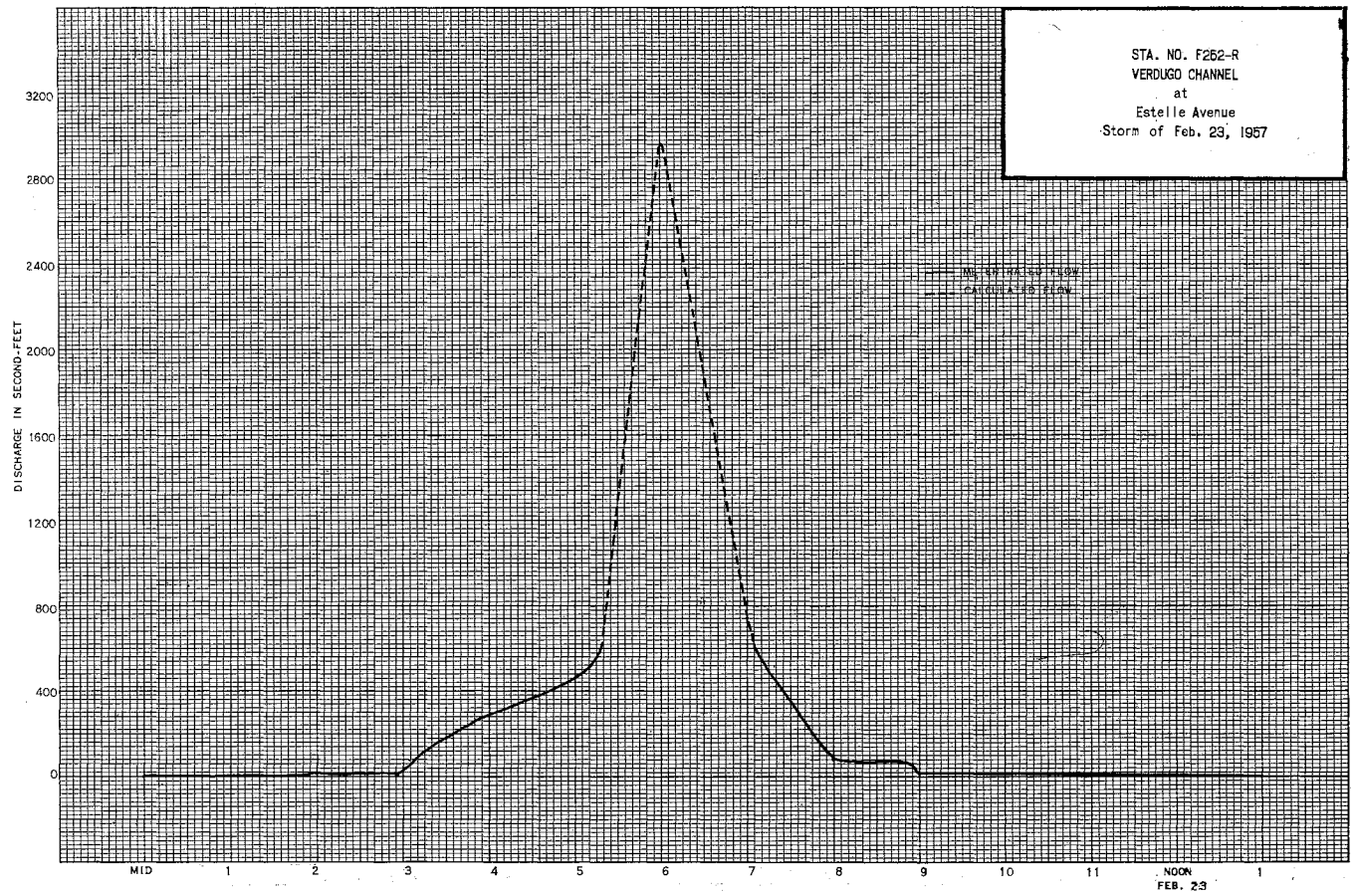
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	+	0	+	0.6	8.4	+	+	+	+	+	+
2	+		0	+	+	0.1		+	0.1			0
3	+		+	+	+	+		+	+			+
4	6.3	+	+	0.2	0			0	+			
5	0.1	0.1	3.2	11.9	+		+	+				
6	+	0.1	0.5	+	0		0.2					
7	0.1	0.1	+	1.8	0		0.1					
8	+		0	0.3	0.1	+	+		+			
9		+	+	0	0.1	5.1		+	0.2			+
10			+	3.8	0.1	0.3		1.5	1.4			0
11		+	0.1	1.0	0.1	0		5.9	+			+
12		0	0.1	8.3	0.1	0.1	+	0.7				
13		0.1	0.1	12.8	0.1	0.1	0	0.1				
14		0.1	+	0.1	+	+	0	1.1				
15	+	+	+	0.1	0	0	0	0.2				
16	0	+	0	+	0	3.1	0.2	+				+
17	+	0	+	+	+	0.1	10.0	+				0
18	0.1	0	0.1	+	+	0.1	7.4	2.6			+	0
19	+	0	0.1	0	0.1	0	0.1	18.7			0.1	0
20	0.1	+	+	4.5	0.1	+	3.3	0.1			+	0
21	0.4			0.1	0.1	+	0.8	1.2				0
22	0.1			0.1	+	0	+	+				+
23	0.5			2.8	184.	+	+					
24	0.1	+	+	1.9	0.2	0	+					
25	+	0	0	1.8	0.1	+	0					
26	0	0	+	10.8	0.1	0	+					
27	+	+	+	6.1	0.1	+	+			+		
28	7.7	0.1	0	0.2	43	+				0		
29	0.1	0.1	+	11.3		0.1				+		
30	0.1	+	0	1.2		+	+		+			+
31	0.1		+	1.0				+		+	+	
	15.8	0.7	4.2	272.0	229.0	45.4	51.8	85.2	1.7	+	0.1	+

MEAN	0.51	0.02	0.14	8.77	8.18	1.46	1.73	2.75	0.06	+	+	+
ACRE-FEET	31.	1.4	8.3	540.	454.	90.	103.	169.	3.4	+	0.2	+

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 1.93 ACRE-FEET 1400.


STA. NO. F252-R
VERDUGO CHANNEL
at
Estelle Avenue
Storm of Jan. 26, 1956
METER RATED FLOW
CALCULATED FLOW
DISCHARGE IN SECOND-FEET
2000
1800
1600
1400
1200
1000
800
600
400
200
0
NOON
1-25
4
8
MID
4
8
NOON
1-26
4
8
MID
4
8
NOON
1-27
4


STA. NO. F252-R
VERDUGO CHANNEL
at
Estelle Avenue
Storm of Feb. 23, 1957
METER RATED FLOW
CALCULATED FLOW
DISCHARGE IN SECOND-FEET
3200
2800
2400
2000
1600
1200
800
400
0
MID
1
2
3
4
5
6
7
8
9
10
11
NOON
1
FEB. 23

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: 65.6 SQUARE MILES.

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: INSTALLED OCTOBER 14, 1952 OVER AN 18-INCH DIAMETER CORRUGATED IRON PIPE STILLING WELL. AN H.C.F. RECORDER IN SERVICE FROM OCTOBER 1, 1955 TO JANUARY 6, 1956 AND AN AU RECORDER FROM JANUARY 6, 1956 TO SEPTEMBER 30, 1957.

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, 1955. SEE STATION F47-R. WALNUT CREEK AT COVINA BOULEVARD, FOR PREVIOUS RECORDS.

REMARKS: ZONE 1 WATER IS DELIVERED TO WHITTIER NARROWS VIA PUDDINGSTONE DAM AND WALNUT CREEK. APPROXIMATELY 46,800 ACRE-FEET OF ZONE 1 WATER IS INCLUDED IN THE RECORD DURING 1955-56. 50,040 ACRE-FEET DURING 1956-57. THIS IS FOREIGN WATER.

EXTREMES OF DISCHARGE:
1955-56
MAXIMUM 3450 SECOND-FEET JANUARY 26.
MINIMUM NO FLOW MOST OF YEAR.
1956-57
MAXIMUM 2200 SECOND-FEET FEBRUARY 28.
MINIMUM NO FLOW MOST OF YEAR.
1952-57
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 NEAR Puente 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.
119	10/31	1510 / 1533	STUNDEN	44.1	36.7	2.89	4.67	106.		.6	20	0	FC36
120	10/31	2112 / 2145	MIDDLETON-WHISLER	46.0	44.8	3.62	4.82	162.		.6	24	+.02	FC54
121	10/31	2157 / 2227	WHISLER-MIDDLETON	46.0	45.9	3.48	4.83	160.		.6	25	-.01	FC5
122	11/1	1130 / 1155	STUNDEN	47.0	65.2	4.23	5.22	276.		.6	21	+.01	FC36
123	11/1	1450 / 1515	"	47.0	65.2	4.80	5.26	313.		.6	22	-.02	"
124	11/3	1420 / 1445	MIDDLETON-GARDNER	47.0	67.2	4.58	5.12	308.		.6	25	0	FC54
125	11/3	1500 / 1530	" "	47.0	66.8	4.76	5.12	318.		.6	25	0	"
126	11/7	1418 / 1448	MIDDLETON-SADDORIS	47.5	70.1	4.52	5.32	317.		.6	26	0	"
127	11/7	1500 / 1525	SADDORIS-MIDDLETON	47.5	73.4	4.81	5.32	353.		.6	27	0	FC26
128	11/10	1435 / 1500	MIDDLETON-SADDORIS	48.5	71.2	4.61	5.42	328.		.6	26	0	FC54
129	11/10	1520 / 1550	SADDORIS-MIDDLETON	48.5	75.6	4.51	5.42	341.		.6	26	0	FC40
130	11/14	0030 / 0058	MIDDLETON-TREAT	49.0	69.9	5.08	5.48	355.		.6	26	+.04	FC54
131	11/14	0220 / 0242	" "	50.0	30.0	2.87	4.65	86.1		.6	27	-.10	"
132	11/14	0335 / 0350	" "	50.0	31.7	2.86	4.67	90.6		.6	19	+.04	"
133	11/14	0520 / 0540	" "	50.0	48.1	3.62	4.98	174.		.6	19	+.08	"
134	11/17	0840 / 0847	MIDDLETON	6.0	1.26	1.03	3.92	1.3		.6	7	0	FC49
135	11/19	1150 / 1225	"	50.0	73.9	4.42	5.42	327.		.6	28	0	FC54
136	11/19	1245 / 1325	"	50.0	73.9	4.41	5.42	326.		.6	27	0	"
137	11/21	1330 / 1400	MIDDLETON	49.0	20.3	1.68	4.34	34.1		.6	19	-.04	FC54
138	11/25	0915 / 0950	MIDDLETON-STUNDEN	50.1	72.2	4.31	5.39	311.		.6	27	0	"
138A	11/28	0902 / 0927	" "	50.5	73.3	4.46	5.37	327.		.6	27	0	"
138B	12/1	0932 / 1018	MIDDLETON	50.5	72.8	4.49	5.31	327		.6	25	0	"
138C	12/1	1550 / 1616	"	50.0	25.4	2.10	4.37	53.3		.6	19	-.08	"
138D	12/1	2115 / 2138	MIDDLETON-TREAT	50.0	24.8	2.02	4.31	50.2		.6	19	0	"
139	12/3	1220 / 1245	SADDORIS-MIDDLETON	50.1	60.0	3.62	4.94	217.		.6	28	-.02	FC40
140	12/4	0708 / 0728	MIDDLETON	40.2	21.6	1.56	4.14	33.6		.6	15	-.04	FC54
141	12/4	1128 / 1143	"	30.0	8.99	1.27	3.97	11.4		.6	14	-.02	"
142	12/6	0855 / 0935	"	50.5	67.3	4.20	5.12	283.		.6	27	0	"
143	12/6	1503 / 1535	"	49.6	36.0	2.76	4.47	99.4		.6	24	0	"
144	12/9	1442 / 1515	MIDDLETON-SADDORIS	50.0	79.6	4.30	5.19	342.		.6	27	0	"
145	12/9	1530 / 1600	" "	50.0	74.8	4.52	5.19	338.		.6	27	0	"
146	12/12	1250 / 1315	MIDDLETON-WHISLER	50.5	75.8	4.48	5.20	340.		.6	27	0	"
147	12/12	1322 / 1350	WHISLER-MIDDLETON	50.5	76.0	4.37	5.20	332.		.6	28	0	"
148	12/16	0853 / 0921	MIDDLETON-STUNDEN	50.0	75.3	4.45	5.14	335.		.6	24	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.
148A	12/22	1005 / 1025	MIDDLETON-SADDORIS	50.0	76.8	4.43	5.09	340.		.6	26	+.08	FC54
149	12/23	0705 / 0725	SADDORIS	33.6	15.8	1.48	3.80	23.4		.6	16	0	FC40
150	1/25	1504 / 1520	MIDDLETON-TREAT	51.0	37.8	2.88	4.31	109.		.6	19	+.03	FC54
151	1/25	1633 / 1645	" "	50.0	46.9	3.18	4.48	149.		.6	19	+.10	"
152	1/25	1830 / 1945	TREAT-LEVY	45.0	53.2	3.65	4.68	194.		.6	16	+.13	FC45
153	1/25	2215 / 2225	" "	49.0	43.8	3.06	4.45	134.		.6	18	-.03	"
154	1/26	0630 / 0845	" "	51.0	154.	7.73	6.42	1190.		.6	13	-.04	FC45
155	1/26	1120 / 1135	" "	53.0	182.	8.35	7.01	1520.		.6	13	+.14	"
156	1/26	1545 / 1605	" "	51.0	281.	8.58	8.53	2410.		.6	12	-.55	"
157	1/26	2130 / 2145	" "	50.0	80.0	6.00	5.00	480.		.6	12	0	"
158	1/27	0845 / 0905	MIDDLETON-LANPHEAR	38.0	17.0	2.24	3.62	38.0		.6	14	0	FC54
159	1/27	1107 / 1118	TREAT-LEVY	35.0	12.1	1.50	3.52	18.2		.6	18	-.01	FC45
160	1/27	1324 / 1354	" "	31.0	7.62	1.12	3.40	8.5		.6	12	0	"
161	1/29	0915 / 0820	MIDDLETON-LANPHIER	5.2	1.70	1.24	3.26	2.1		.6	6	0	FC54
162	1/31	0217 / 0243	" "	33.5	12.4	1.52	3.52	18.9		.6	18	0	"
163	4/12	1208 / 1228	MIDDLETON	33.5	15.3	2.33	3.58	35.6		.6	18	-.04	"
164	4/12	1755 / 1812	MIDDLETON-TREAT	38.0	18.7	2.46	3.68	46.0		.6	20	+.16	"
165	4/12	1935 / 1952	" "	48.0	35.2	3.49	4.03	123.		.6	23	-.02	"
166	4/12	2258 / 2312	" "	49.0	35.4	3.59	4.01	127.		.6	23	-.06	"
167	4/26	1515 / 1534	MIDDLETON	32.0	10.9	1.53	3.49	16.7		.6	17	-.02	"
168	5/9	0910 / 0930	"	48.5	37.1	3.34	4.01	124.		.6	18	+.40	"
169	5/9	1250 / 1309	"	41.0	29.2	2.50	3.75	60.4		.6	16	-.14	"
170	5/11	1642 / 1707	STUNDEN-WOOD	46.5	70.5	4.86	4.69	343.		.6	24	+.02	FC36
171	5/11	1746 / 1807	" "	50.5	64.4	5.00	4.67	322.		.6	22	0	FC36
172	5/12	1219 / 1250	MIDDLETON-SJOSTEDT	49.8	57.1	5.74	4.70	328.		.6	27	0	FC54
173	5/12	1305 / 1330	SJOSTEDT-MIDDLETON	49.8	66.1	5.01	4.70	331.		.6	26	0	FC47
174	5/14	0815 / 0845	MIDDLETON-SJOSTEDT	50.0	69.1	4.98	4.74	344.		.6	27	0	FC54
175	5/14	0955 / 1025	SJOSTEDT-MIDDLETON	50.0	63.5	4.93	4.74	313.		.6	26	0	FC47
176	5/14	1030 / 1100	MIDDLETON-SJOSTEDT	50.0	65.9	4.82	4.74	318.		.6	28	0	FC54
177	5/16	1630 / 1700	HOLLERON-MIDDLETON	50.0	68.2	4.93	4.84	336.		.6	26	0	FC56
178	5/16	1705 / 1736	MIDDLETON-HOLLERON	50.0	67.2	4.85	4.84	326.		.6	27	0	FC54

DISCHARGE MEASUREMENTS OF WALNUT CREEK

AT OR NEAR Puente Avenue 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.	G. HT. CHANGE TOTAL	METER NO.
201	10/1	1000 / 1035	MIDDLETON-FALCONE	45.6	74.6	4.77	4.71	356.		.6	25	0	FC54
202	10/1	1125 / 1200	FALCONE-MIDDLETON	49.8	75.6	4.76	4.71	360.		.6	27	0	FC26
203	10/4	0930 / 1000	" "	45.0	72.9	4.61	4.61	336.		.6	24	0	FC26
204	10/4	1005 / 1035	MIDDLETON FALCONE	44.0	73.4	4.64	4.61	340.		.6	25	0	FC54
205	10/4	1400 / 1435	FALCONE-MIDDLETON	48.8	48.7	3.68	4.21	179.		.6	26	-.08	FC26
206	10/4	1442 / 1515	MIDDLETON-FALCONE	47.8	52.3	3.82	4.18	200.		.6	26	-.02	FC54
207	10/5	1445 / 1525	FALCONE-MIDDLETON	49.8	74.9	4.50	4.61	336.		.6	27	0	FC26
208	10/5	1530 / 1605	MIDDLETON-FALCONE	49.8	74.8	4.56	4.61	340.		.6	27	0	FC54
209	10/8	1400 / 1430	" "	45.5	73.4	4.59	4.68	337.		.6	24	0	"
210	10/8	1435 / 1505	FALCONE-MIDDLETON	45.5	73.7	4.57	4.68	337.		.6	24	0	FC26
211	10/9	1443 / 1515	MIDDLETON-HOLLERON	49.8	72.7	4.45	4.65	323.		.6	27	0	FC54
212	10/9	1520 / 1555	HOLLERON-MIDDLETON	49.8	72.0	4.44	4.65	320.		.6	27	0	FC34
213	10/11	1205 / 1235	FALCONE-MIDDLETON	49.8	74.9	4.44	4.66	332.		.6	27	0	FC26
214	10/11	1255 / 1325	MIDDLETON-FALCONE	49.8	75.8	4.48	4.71	340.		.6	27	0	FC54
215	10/12	1835 / 1850	" "	48.8	41.1	3.02	4.06	124.		.6	23	-.16	"
216	10/12	2055 / 2100	" "	21.0	15.4	1.21	3.53	18.7		.6	12	-.02	"
217	11/1	1337 / 1354	STUNDEN-WOOD	44.5	49.8	3.13	4.23	156.		.6	17	+.02	FC36
218	11/1	1433 / 1454	" "	45.0	70.3	4.40	4.70	309.		.6	18	+.02	"
219	11/1	1503 / 1524	" "	44.5	71.2	4.42	4.71	315.		.6	18	0	"
220	11/2	0902 / 0934	MIDDLETON-HOLLERON	49.6	75.5	4.65	4.75	351.		.6	28	0	FC54
221	11/5	1235 / 1310	FALCONE-HOLLERON	50.0	75.9	4.45	4.72	338.		.6	27	0	"
222	11/5	1315 / 1450	HOLLERON-FALCONE	50.0	75.9	4.44	4.72	337.		.6	27	0	FC34
223	11/8	1105 / 1145	MIDDLETON-THOMPSON	45.5	75.3	4.43	4.70	334.		.6	24	0	FC54
224	11/13	1000 / 1030	FALCONE-THOMPSON	45.3	76.6	4.60	4.60	353.		.6	24	0	FC26
225	11/13	1137 / 1205	FALCONE-THOMPSON	45.3	77.8	4.45	4.60	346.		.6	25	0	"
226	11/16	0923 / 0955	MIDDLETON-FALCONE	45.0	77.0	4.49	4.55	346.		.6	24	0	FC54
227	11/19	0910 / 0940	MIDDLETON-FALCONE	45.5	74.7	4.42	4.46	330.		.6	25	0	"
228	11/21	0927 / 0953	MIDDLETON-BOWMAN	45.0	75.5	4.34	4.48	336.		.6	25	0	"
229	12/12	1320 / 1345	ROY-BOWMAN	49.4	57.7	3.50	4.13	202.		.6	15	+.02	FC6
230	12/12	1428 / 1451	" "	50.2	75.6	4.17	4.50	315.		.6	15	+.04	"
231	12/12	1513 / 1545	MIDDLETON-ROY	50.5	78.3	4.36	4.51	341.		.6	27	0	FC54
232	12/12	1517 / 1555	BOWMAN-ROY	50.3	76.8	4.41	4.51	339.		.6	26	0	FC6
233	12/13	0830 / 0903	FALCONE-MIDDLETON	49.5	81.4	4.43	4.55	361.		.6	27	0	FC26
234	12/13	0910 / 0940	MIDDLETON-FALCONE	45.0	79.0	4.48	4.55	354.		.6	24	0	FC54
235	12/17	0850 / 0920	" "	49.7	80.1	4.50	4.45	360.		.6	27	0	"
236	12/17	0925 / 1005	FALCONE-MIDDLETON	49.7	77.5	4.50	4.45	348.		.6	28	0	FC26
237	12/20	0930 / 1010	MIDDLETON-MC BRIDE	49.5	77.3	4.44	4.36	343.		.6	27	0	FC54
238	12/20	1015 / 1050	" "	49.5	76.8	4.34	4.36	333.		.6	27	0	"
239	12/27	1255 / 1335	ROY-MIDDLETON	49.4	79.8	4.37	4.34	349.		.6	27	0	"
240	12/27	1340 / 1410	MIDDLETON-ROY	49.5	80.5	4.40	4.34	354.		.6	26	-.01	"
241	12/31	1325 / 1355	MIDDLETON-MC BRIDE	45.0	77.4	4.50	4.33	348.		.6	24	0	"
242	1/2	0902 / 0932	" "	45.2	77.5	4.19	4.24	325.		.6	24	0	"
243	1/2	1530 / 1540	" "	36.0	35.2	3.08	3.37	108.		.6	19	-.10	"
244	1/2	1542 / 1555	" "	36.0	32.1	3.00	3.29	96.2		.6	18	-.04	"
245	1/5	1035 / 1052	" "	36.0	34.1	2.84	3.30	97.3		.6	19	+.14	"
246	1/5	1550 / 1606	MIDDLETON	20.0	7.50	0.83	2.43	6.2		.6	11	0	"
247	1/10	0720 / 0740	MIDDLETON-MC BRIDE	26.0	14.6	2.3	2.84	33.1		.6	14	-.07	FC54
248	1/10	1130 / 1140	" "	20.0	5.00	0.96	2.42	4.8		.6	11	0	"
249	1/12	2035 / 2052	" "	21.0	9.8	1.63	2.64	16.0		.6	12	+.20	"
250	1/12	2155 / 2250	TREAT-LITCHFIELD	51.0	82.6	5.19	4.27	429.		.6	18	+.28	FC45
251	1/13	0300 / 0310	TREAT-LITCHFIELD	51.0	96.5	6.50	4.60	627.		.6	12	-.06	FC45
252	1/13	1332 / 1338	MIDDLETON-TREAT	24.0	9.60	1.42	2.61	13.6		0	13	-.02	FC54
253	1/20	1520 / 1528	TREAT-LITCHFIELD	16.0	2.86	0.87	2.31	2.5		.6	9	-.02	FC45
254	1/20	1640 / 1655	" "	24.7	10.8	1.01	2.56	10.9		.6	26	0	"
255	1/26	1132 / 1155	MIDDLETON	16.5	4.68	0.60	2.33	2.8		.6	10	0	FC49
256	2/23	0620 / 0630	TREAT-LITCHFIELD	38.5	48.3	4.45	3.61	215.		.6	11	-.02	FC45
257	2/3	0915 / 0925	" "	36.0	25.4	2.66	3.05	67.7		.6	11	-.03	"
258	2/23	1105 / 1115	" "	26.0	12.9	2.25	2.68	25.9		.6	13	-.02	"
259	2/23	1312 / 1320	MIDDLETON-TREAT	23.5	7.98	0.99	2.46	7.9		.6	13	-.04	FC54
260	2/28	1645 / 1658	MIDDLETON	26.0	16.2	1.67	2.71	27.0		.6	14	-.06	"
261	3/1	0110 / 0125	TREAT-LITCHFIELD	49.0	110.	6.17	4.95	679.		.6	13	-.50	FC45
262	3/1	0850 / 0903	MIDDLETON-BROOK	8.0	3.12	1.86	2.68	5.8		.6	9	-.02	FC54
263	3/9	1917 / 1929	MIDDLETON-TREAT	49.0	37.9	2.90	3.43	110.		.6	18	-.10	"
264	3/9	2110 / 2125	TREAT-LITCHFIELD	46.0	18.7	1.67	3.12	31.3		.6	17	-.08	"
265	3/19	2155 / 2215	LITCHFIELD-TREAT	45.0	14.7	1.31	2.94	19.3		.6	17	-.08	"
266	3/16	0810 / 0825	TREAT-LITCHFIELD	45.5	53.0	3.94	3.72	209.		.6	15	-.08	"
267	3/16	1110 / 1125	" "	40.0	19.5	1.98	3.08	38.6		.6	17	-.07	"
268	3/29	1106 / 1125	WADDICOR-ROY-BOWMAN	49.0	47.0	3.89	3.66	183.		.6	16	+.02	FC37
269	3/29	1228 / 1254	WADDICOR-ROY	50.0	65.9	4.96	4.05	327		.6	20	+.03 -.01	"
270	3/29	1435 / 1505	MIDDLETON-SARASUA	49.0	71.2	4.61	4.08	328.		.6	26	0	FC54
271	3/29	1510 / 1550	SARASUA-MIDDLETON	49.0	70.7	4.54	4.08	321.		.6	26	0	FC43
272	3/30	0927 / 1000	MIDDLETON-MC BRIDE	49.0	71.6	4.80	4.10	344.		.6	26	0	FC54
273	4/1	0945 / 1015	" "	49.0	70.8	4.72	4.13	334.		.6	26	+.06	FC54
274	4/1	1018 / 1053	MC BRIDE-MIDDLETON	49.0	74.9	4.59	4.16	344.		.6	27	0	FC43
275	4/4	1124 / 1150	MIDDLETON-SARASUA	49.0	77.2	4.43	4.26	342.		.6	26	0	FC54
276	4/4	1155 / 1235	SARASUA-MIDDLETON	49.0	75.1	4.35	4.26	327.		.6	27	0	FC43
277	4/8	0935 / 1005	MIDDLETON-SARASUA	50.0	78.0	4.18	4.29	326.		.6	27	0	FC54
278	4/8	1010 / 1045	SARASUA-MIDDLETON	50.0	76.7	4.18	4.29	321.		.6	27	0	FC43
279	4/11	1445 / 1515	MIDDLETON-SARASUA	50.0	78.6	4.45	4.31	350.		.6	27	0	FC54
280	4/11	1520 / 1555	SARASUA-MIDDLETON	50.0	79.3	4.53	4.31	359.		.6	27	0	FC43
281	4/17	2335 / 2350	MIDDLETON-SARASUA	47.5	26.8	1.73	3.29	46.4		.6	14	+.10	"
282	4/18	0955 / 1005	" "	50.0	70.9	4.02	4.14	285.		.6	19	+.04	FC54
283	4/18	1130 / 1150	SARASUA-MIDDLETON	49.0	61.3	3.81	4.00	233.		.6	19	-.04	FC34
284	4/19	1215 / 1245	MIDDLETON-SARASUA	50.0	75.9	4.44	4.23	337.		.6	27	0	FC54
285	4/19	1250 / 1320	SARASUA-MIDDLETON	50.0	74.8	4.40	4.23	328.		.6	27	0	FC43
286	4/20	1537 / 1547	MIDDLETON-SARASUA	50.0	57.6	3.77	3.88	217.		.6	19	-.14	FC54
287	4/20	1835 / 1850	SARASUA-MIDDLETON	46.0	18.0	1.42	3.07	25.6		.6	13	-.02	FC43
288	4/21	1045 / 1110	MIDDLETON-SARASUA	50.0	69.3	4.10	4.06	284.		.6	27	0	FC54
289	4/21	1115 / 1145	SARASUA-MIDDLETON	50.0	58.9	4.94	4.06	290.		.6	27	0	FC43
290	4/22	1520 / 1545	MIDDLETON-SARASUA	50.0	72.0	4.18	4.10	301.		.6	27	0	FC54
291	4/23	1250 / 1315	" "	50.0	79.1	4.53	4.25	358.		.6	27	0	"
292	4/23	1320 / 1355	SARASUA-MIDDLETON	50.0	80.3	4.52	4.25	363.		.6	27	0	FC43
293	4/25	1450 / 1520	MIDDLETON-SARASUA	50.0	78.6	4.68	4.20	368.		.6	27	0	FC54
294	4/25	1530 / 1605	SARASUA-MIDDLETON	50.0	76.6	4.72	4.20	361.		.6	27	0	FC43
295	4/26	1730 / 1750	MIDDLETON-SARASUA	47.0	31.0	2.32	3.24	72.2		.6	19	-.04	FC54

76D74M Gk 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, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	246	220	0	0	0	0	0	0	0	0	0
2	0	306	268	0	0	0	0	0	0	0	0	0
3	0	313	269	0	0	0	0	0	0	0	0	0
4	0	317	79	0	0	0	0	0	0	0	0	0
5	0	317	94	0	0	0	0	0	0	0	0	0
6	0	317	189	0	0	0	0	0	0	0	0	0
7	0	317	205	0	0	0	0	0	0	0	0	0
8	0	314	344	0	0	0	0	0	0	0	0	0
9	0	317	336	0	0	0	0	30	0	0	0	0
10	0	325	336	0	0	0	0	0	0	0	0	0
11	0	328	340	0	0	0	0	128	0	0	0	0
12	0	332	336	0	0	0	40	328	0	0	0	0
13	0	332	329	0	0	0	5.7	318	0	0	0	0
14	0	167	336	0	0	0	0	321	0	0	0	0
15	0	332	336	0	0	0	0	328	0	0	0	0
16	0	321	336	0	0	0	0	332	0	0	0	0
17	0	36	340	0	0	0		324	0	0	0	0
18	0	35	340	0	0	0	0	321	0	0	0	129
19	0	328	340	0	0	0	0	321	0	0	0	321
20	0	325	340	0	0	0	0	321	0	0	0	332
21	0	174	340	0	0	0	0	318	0	0	0	339
22	0	311	340	0	0	0	0	328	0	0	0	339
23	0	328	54	0	0	0	0	328	0	0	0	335
24	0	325	0	0	0	0	0	178	0	0	0	350
25	0	317	0	6.8	0	0	0	0	0	0	0	346
26	0	328	0	1120	0	0	7.8	0	0	0	0	354
27	0	328	0	130	0	0	0	0	0	0	0	358
28	0	328	0	0	0	0	0	0	0	0	0	343
29	0	328	0	0.7	0	0	0	0	0	0	0	345
30	0	328	0	0.4		0	0	0	0	0	0	361
31	55		0	2.7		0		0		0	0	
	55	8720	6447	1321.8	0	0	535	4224.0	0	0	0	4253
MEAN	1.77	291.	2.08	42.6	0	0	1.78	136.	0	0	0	142.
ACRE-FEET	109.	17300.	12790.	2620.	0	0	106.	8380.	0	0	0	8430.

Remarks:

YEAR OR PERIOD MEAN 68.5
ACRE-FEET 49,730.

76D74M Gk 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

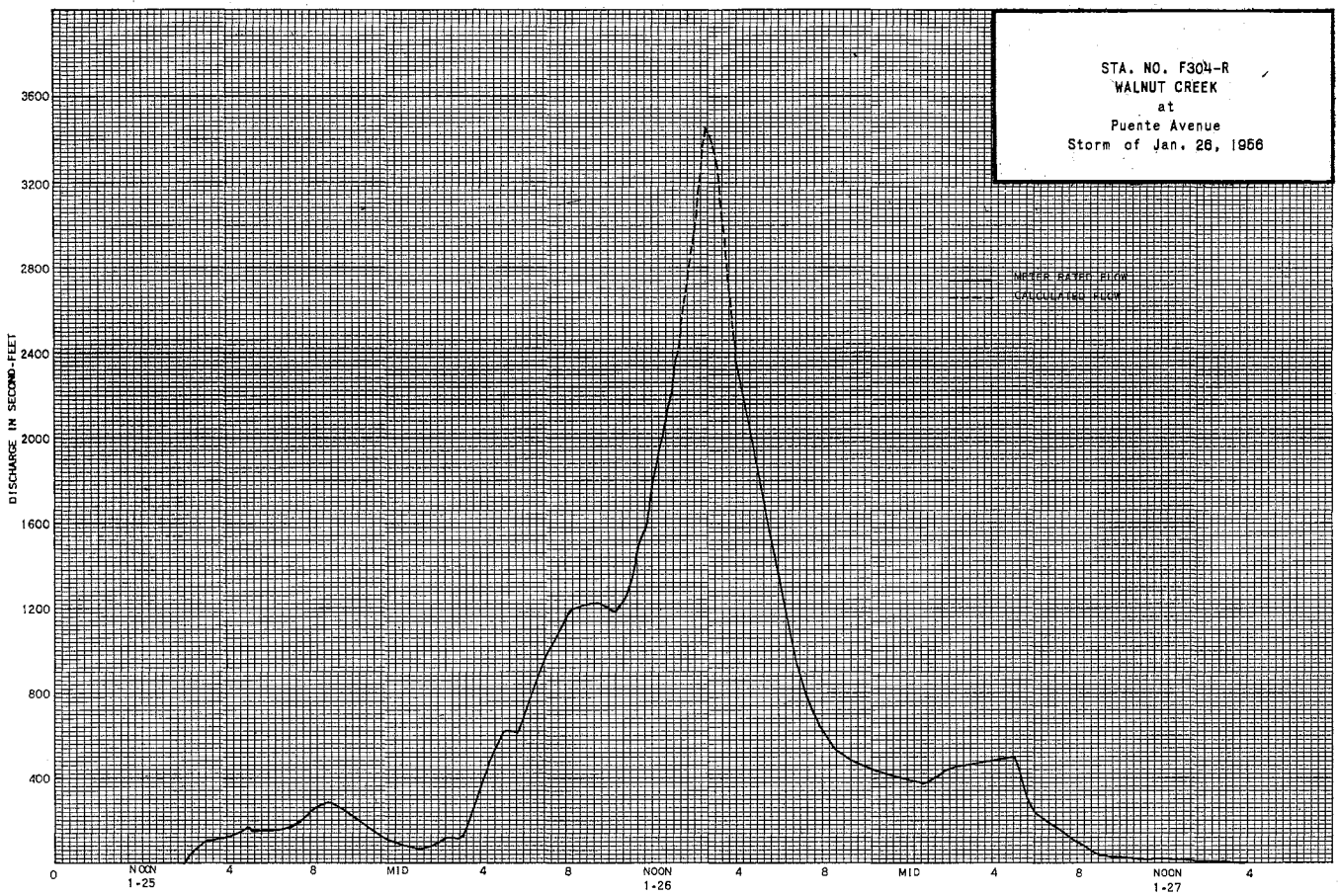
Sta. No. F304-R

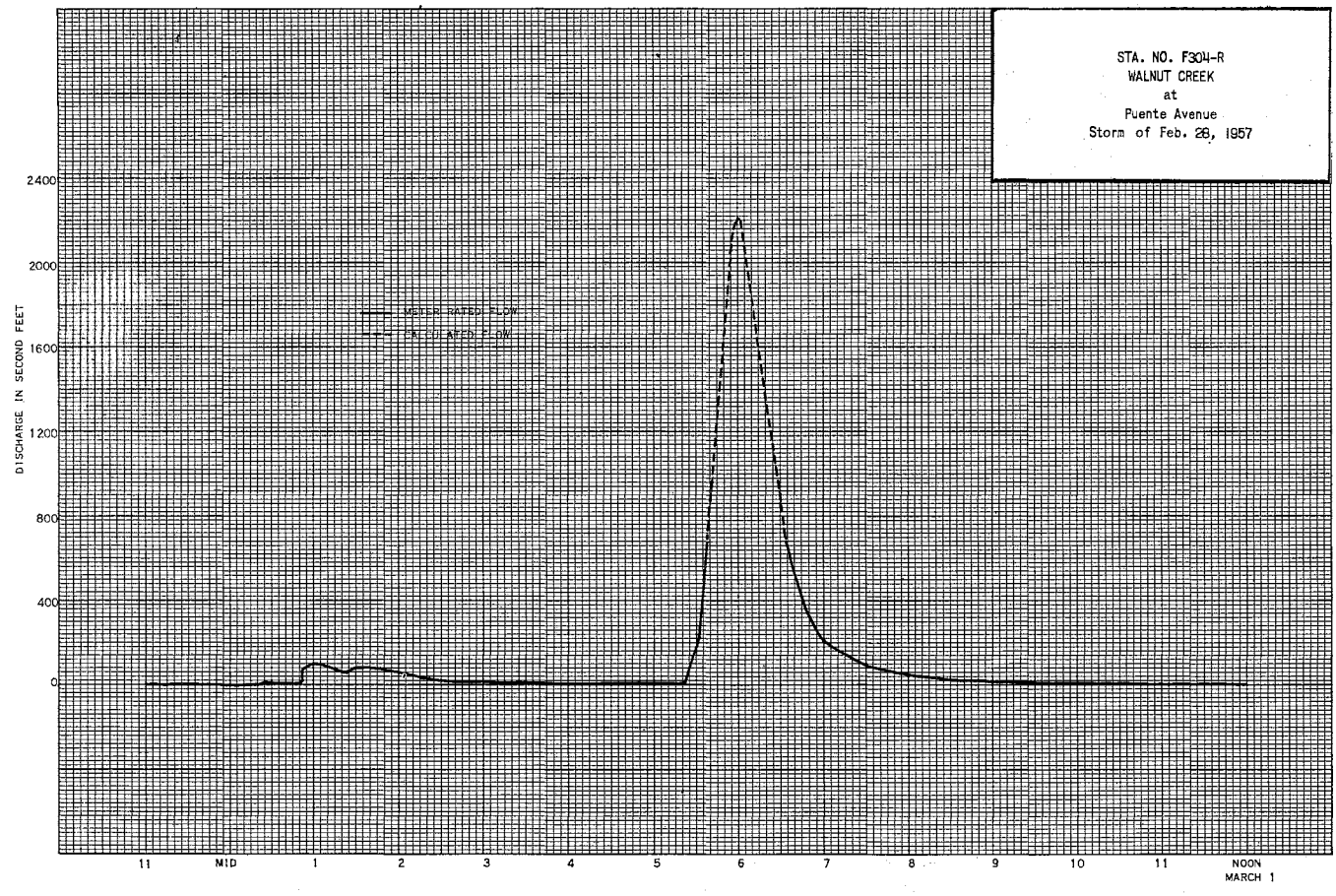
Daily discharge, in second-feet of WALNUT CREEK at Puente Avenue, for the year ending September 30, 1957

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	358	140	0	340	0	99	338	0	0	0	0	0
2	346	350	0	230	0	0	340	0	0	0	0	0
3	332	343	0	0	0	0	331	0	0	0	0	0
4	275	339	0	0	0	0	320	0	0	0	0	0
5	263	339	4.3	26	0	0	323	0	0	0	0	0
6	343	339	0.2	0	0	0	318	0	0	0	0	0
7	328	339	0	0.2	0	0	321	0	0	0	0	0
8	328	332	0	0.1	0	0	326	0	0	0	0	0
9	328	346	0	0	0	17	340	0	0	0	0	0
10	332	358	0	46	0	0.6	344	0	1.4	0	0	0
11	332	343	0	0	0	0	349	17	0	0	0	0
12	262	346	158	77	0	0	289	+	0	0	0	0
13	0	350	354	185	0	0	0.2	0	0	0	0	0
14	0	354	361	0	0	0	0	+	0	0	0	0
15	0	358	350	0	0	0	0	0	0	0	0	0
16	0	358	350	0	0	38	0	0	0	0	0	0
17	0	354	350	0	0	0	1.7	0	0	0	0	0
18	0	343	343	0	0	0	183	0	0	0	0	0
19	0	346	343	0	0	0	331	12	0	0	0	0
20	0	350	335	1.8	0	0	253	0	0	0	0	0
21	0	267	343	+	0	0	188	0.4	0	0	0	0
22	0	0	343	0	0	0	242	0.1	0	0	0	0
23	0	0	343	+	44	0	326	0.1	0	0	0	0
24	0	0	343	+	0	0	347	0	0	0	0	0
25	0	0	346	0.1	0	0	354	0	0	0	0	0
26	0	0	343	13	0	0	247	0	0	0	0	0
27	0	0	343	2.1	0	0	0.1	0	0	0	0	0
28	0	0	335	0.1	59	0	0	0	0	0	0	0
29	0	0	335	1.1		169	0	0	0	0	0	0
30	0	0	331	0		344	0	0	0	0	0	0
31	0		335	0		335		0		0	0	
	3827	6994	6688.5	922.5	103	1002.6	6412.0	29.6	1.4	0	0	0
MEAN	123.	233.	216.	29.8	3.68	32.3	214.	0.95	0.05	0	0	0
ACRE-FEET	7590.	13870.	13270.	1830.	204.	1990.	12720.	59.	2.8	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 71.2
ACRE-FEET 51,530.


STA. NO. F304-R
WALNUT CREEK
at
Puente Avenue
Storm of Jan. 26, 1956
METER RATED FLOW
CALCULATED FLOW
DISCHARGE IN SECOND-FEET
3600
3200
2800
2400
2000
1600
1200
800
400
0
NOON
1-25
4
8
MID
4
8
NOON
1-26
4
8
MID
4
8
NOON
1-27
4


STA. NO. F304-R
WALNUT CREEK
at
Puente Avenue
Storm of Feb. 28, 1957
METER RATED FLOW
CALCULATED FLOW
DISCHARGE IN SECOND FEET
2400
2000
1600
1200
800
400
0
11
MID
1
2
3
4
5
6
7
8
9
10
11
NOON
MARCH 1

DISCHARGE MEASUREMENTS OF ARROYO SECO F56-S

AT 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.	RATING	METHOD	MEAS. SEC. NO.	S. HT. CHANGE TOTAL	METER NO.
377	10/20	1304 / 1310	BLAKELY	4.0	1.14	1.05		1.2		.5	5		FC53
378	10/27	1311 / 1319	"	5.5	1.18	0.93		1.1		.5	7		"
379	11/3	1120 / 1128	"	5.5	0.90	1.33		1.2		.5	7		"
380	11/10	1316 / 1322	"	4.5	0.80	1.18		0.94		.5	6		"
381	11/25	1230 / 1236	"	7.5	0.82	1.95		1.6	FLOATS		6		
382	12/8	1324 / 1330	"	7.5	0.85	1.29		1.1		"	6		
383	12/15	1331 / 1337	"	7.3	0.94	1.49		1.4		"	6		
384	12/29	0935 / 0943	"	7.0	0.91	1.65		1.5		"	6		
385	1/5	1119 / 1125	"	8.0	1.06	2.26		2.4		"	6		
386	1/12	1244 / 1250	"	7.0	0.74	1.62		1.2		"	6		
387	1/19	1306 / 1312	"	7.5	0.78	1.67		1.3		"	6		
388	2/2	1314 / 1322	"	10.5	2.77	1.62		4.5		"	8		FC53
389	2/9	1505 / 1509	"	13.5	2.70	1.48		4.0		.5	1		"
390	3/1	0850 / 0900	SADDORIS	6.5	0.63	2.22		1.4		.5	7		FC23
391	3/8	1412 / 1422	SJOSTEDT-BLAKELY	11.2	1.88	1.54		2.9		.5	9		FC53
392	3/15	1306 / 1312	BLAKELY	9.8	1.89	1.48		2.8		.5	7		"
393	3/22	1333 / 1341	"	10.0	1.81	1.49		2.7		.5	7		"
394	6/14	1400 / 1406	"	8.0	1.22	1.72		2.1	FLOATS		6		
395	6/21	1421 / 1427	HOLLERON-BLAKELY	7.0	0.78	1.28		1.0		"	8		
396	6/28	1436 / 1442	BLAKELY	7.3	0.91	1.43		1.3		"	6		
397	7/5	1403 / 1409	"	7.5	0.98	1.53		1.5		"	6		
398	7/12	1420 / 1426	"	8.0	1.04	1.63		1.7		"	6		
399	7/19	1514 / 1524	"	8.0	1.10	1.64		1.8		"	7		
400	7/26	1428 / 1436	FALCONE-BLAKELY	7.0	0.96	1.67		1.6		"	8		
401	8/9	1540 / 1550	HOLLERON	10.0	1.65	0.79		1.3		.5	9		FC48
402	8/23	1418 / 1424	BLAKELY-BOWMAN	8.5	1.40	0.79		1.1		.5	7		FC53
403	8/30	1408 / 1414	BLAKELY	7.8	1.23	2.11		2.6	FLOATS		6		
404	9/7	1230 / 1238	"	8.7	1.30	1.16		1.5		.5	9		FC53
405	9/13	1455 / 1501	"	8.0	1.06	1.42		1.5		.5	6		"
406	9/20	1348 / 1356	"	8.5	1.22	0.75		0.91		.5	9		"
407	9/28	1108 / 1114	"	9.0	2.01	0.75		1.5		.5	7		"

DISCHARGE MEASUREMENTS OF ARROYO SECO F56-S

AT Avenue "26" 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.	S. HT. CHANGE TOTAL	METER NO.
408	10/11	0921 / 0929	BLAKELY	9.0	0.90	1.78		1.6	FLOATS		5		
409	10/18	1225 / 1233	"	10.5	1.32	1.97		2.6		"	7		
410	10/25	1350 / 1355	BLAKELY-STUNDEN	8.5	0.92	1.63		1.5		"	6		
411	11/2	0921 / 0927	BLAKELY	9.0	0.80	1.75		1.4		"	6		
412	11/8	1349 / 1357	"	9.5	0.88	1.59		1.4		"	6		
413	11/15	1408 / 1414	"	9.0	1.07	1.87		2.0		"	6		
414	11/23	1428 / 1436	"	10.0	1.00	1.80		1.8		"	6		
415	11/29	1339 / 1345	"	9.0	0.96	1.56		1.5		"	6		
416	12/6	1425 / 1433	"	10.0	1.24	1.85		2.3		"	6		
417	12/13	1320 / 1328	"	9.5	1.10	1.64		1.8		"	7		
418	12/20	1440 / 1450	BLAKELY-HENSLEY	9.0	1.01	1.78		1.8		"	6		
419	12/27	1206 / 1212	BLAKELY-WOOD	10.2	1.32	1.74		2.3		"	7		
420	1/3	1404 / 1412	BLAKELY	9.0	1.04	1.44		1.5		"	6		
421	1/10	1213 / 1219	"	13.0	2.65	4.45		11.8		"	8		
422	1/17	1300 / 1306	"	9.3	1.08	2.04		2.2		"	7		
423	1/31	1214 / 1220	"	7.8	0.96	1.77		1.7		"	6		
424	2/7	1315 / 1321	"	8.0	1.23	2.03		2.5		"	6		
425	2/14	1322 / 1328	"	9.5	1.32	2.58		3.4		"	6		
426	2/21	1129 / 1137	ROY-BLAKELY	8.5	1.24	2.18		2.7		"	6		
427	3/7	1307 / 1315	BLAKELY	10.2	1.61	2.30		3.7		"	7		
428	3/14	1527 / 1535	"	9.8	1.47	2.24		3.3		"	6		
429	3/12	1332 / 1340	BROOK-BLAKELY	10.1	1.06	2.19		2.3		"	6		
430	3/28	1245 / 1251	BLAKELY	8.8	1.42	2.11		3.0		"	6		
431	4/4	1320 / 1326	BLAKELY	8.7	1.41	1.84		2.6		FLOATS	6		
432	4/10	1210 / 1216	BLAKELY	8.0	1.35	2.00		2.7		"	6		
433	4/25	1352 / 1400	MC BRIDE - BLAKELY	9.5	1.20	2.28		2.7		"	7		
434	5/2	1200 / 1205	BOWMAN	8.0	0.90	2.24		2.2		"	5		
435	5/9	1310 / 1315	BOWMAN-FALCONE	8.0	0.98	1.73		1.7		"	3		
436	6/16	1317 / 1323	ROY-BLAKELY	9.0	1.39	1.94		2.7		"	6		
437	5/23	1314 / 1320	WOOD-BLAKELY	8.5	1.01	2.00		2.0		"	6		
438	5/29	0930 / 0935	BOWMAN	8.0	0.90	2.00		1.8		"	5		
439	6/6	0828 / 0836	BLAKELY-LINDSAY	8.4	1.10	1.45		1.6		.5	9		FC53
440	6/13	0950 / 1000	BOWMAN	8.0	1.14	1.32		1.5		.5	5		FC58
441	6/20	0930 / 0940	"	7.0	0.88	1.49		1.3		.5	8		FC53
442	6/27	1325 / 1335	BLAKELY	8.8	1.19	1.09		1.3		.5	9		"
443	7/3	0848 / 0955	WOOD-SARASUA	8.0	0.87	1.86		1.6		.5	7		"
444	7/11	0827 / 0837	SARASUA-WOOD	8.5	0.98	1.22		1.2		.5	10		"
445	7/18	0820 / 0845	SARASUA	7.0	0.98	1.33		1.3		.5	13		"
446	7/25	1318 / 1326	BLAKELY	7.3	1.02	1.18		1.2		.5	8		"
447	8/1	0826 / 0842	WOOD	7.0	0.80	1.02		0.82		.5	9		"
448	8/8	0800 / 0810	BOWMAN	4.5	0.68	1.40		0.95		.5	5		"
449	8/15	0825 / 0835	"	7.0	0.98	1.00		0.98		.5	8		"
450	8/22	1438 / 1446	SARASUA-BLAKELY	8.5	0.75	1.23		0.92		.5	6		"
451	8/29	0835 / 0855	SARASUA	8.0	0.82	1.58		1.30		.5	9		"
452	9/5	1615 / 1630	ROY	8.0	0.86	2.09		1.8	FLOATS		9		
453	9/12	0900 / 0910	BOWMAN	7.0	1.39	1.29		1.8		.5	8		FC53
454	9/19	0820 / 0830	ROY-BOWMAN	8.0	1.14	1.32		1.5		.5	9		"
455	9/26	0820 / 0935	BOWMAN	7.0	2.93	0.48		1.4		.5	8		"

DISCHARGE MEASUREMENTS OF BANTA DITCH F87-S

AT head of pipe line 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.
980	10/6	1100	WADDICOR	3' RECTANGULAR		WEIR	0.21	0.96				0	
981	10/13	1100	"	"	"	"	0.22	1.00				0	
982	10/20	1410	"	"	"	"	0.30	1.6				0	
983	10/27	1100	"	"	"	"	0.38	2.3				0	
984	10/31	1130	"	"	"	"	0.36	2.2				0	
985	11/2	1100	WADDICOR-GODFREY	"	"	"	0.86	8.0				0	
986	11/3	1420	" "	"	"	"	0.62	4.9				0	
987	11/4	1440	" "	"	"	"	0.24	1.2				0	
988	11/5	1025	WADDICOR	"	"	"	0.37	2.2				0	
989	11/7	1145	"	"	"	"	0.56	4.2				0	
990	11/8	1340	"	"	"	"	0.23	1.1				0	
991	11/9	1535	"	"	"	"	0.16	0.64				0	
992	11/10	1240	"	"	"	"	0.14	0.52				0	
993	11/11	1145	"	"	"	"	0.06	0.46				0	
994	11/12	1150	"	"	"	"	0.02	0.10				0	
995	11/13	1130	"	"	"	"		0.10					
996	11/16	1645	"	"	"	"		+					
997	11/18	1645	"	"	"	"		+					
998	11/23	1325	"	"	"	"		+					
999	12/2	1240	"	"	"	"		+					
1000	12/8	1512	"	"	"	"		0.2					
1001	12/16	0814	"	"	"	"		0					
1002	12/22	0920	"	"	"	"		0					

DISCHARGE MEASUREMENTS OF BANTA DITCH F67-S

AT ~~TOWN~~ Head of Pipe Line 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.	G. HT. CHANGE TOTAL	METER NO.
1003	12/29	1110	WADDICOR	3' RECTANGULAR		WEIR		0					
1004	1/5	1200	"	"	"	"		0					
1005	1/12	1110	WADDICOR-SADDORIS	"	"	"	0.63	5.0				0	
1006	1/19	0850	WADDICOR	"	"	"	0.56	4.1				0	
1007	2/2	1100	"	"	"	"		0					
1008	2/9	1035	"	"	"	"		0					
1009	2/16	1050	"	"	"	"		0					
1010	3/1	1100	"	"	"	"		0					
1011	3/8	1030	"	"	"	"		0					
1012	3/15	1120	"	"	"	"		0					
1013	3/22	1130	"	"	"	"		0					
1014	3/29	1120	"	"	"	"		0					
1015	4/5	1120	"	"	"	"	0.65	5.2				0	
1016	4/19	1040	"	"	"	"		0					
1017	5/9	1100	"	"	"	"		7.0					
1018	5/12	1040	"	"	"	"		0.32					
1019	5/13	1048	"	"	"	"		0.32					
1020	5/15	1015	WADDICOR-SADDORIS	"	"	"		6.1					
1021	5/16	1505	SADDORIS-SJOSTEDT	"	"	"		4.8					
1022	5/17	1130	WADDICOR-SADDORIS	"	"	"		4.9					
1023	5/18	1105	WADDICOR	"	"	"		4.8					
1024	5/22	1110	"	"	"	"		4.9					
1025	5/23	1100	"	"	"	"		4.6					
1026	5/24	0855	"	"	"	"		4.4					
1027	5/25	0915	"	"	"	"		4.9					
1028	5/31	1045	"	"	"	"	0.70	5.8				0	
1029	6/7	1020	"	"	"	"	0.72	6.1				0	
1030	6/14	1025	"	"	"	"		4.6					
1031	6/21	1700	"	"	"	"	0.62	4.9				0	
1032	7/5	0935	"	"	"	"	0.36	2.6				0	
1033	7/12	1120	"	"	"	"	0.45	3.0				0	
1034	7/19	1025	SADDORIS	"	"	"	0.36	2.6				0	
1035	7/26	1220	"	"	"	"	0.42	3.6				0	
1036	8/2	1030	WADDICOR	"	"	"		2.8					
1037	8/9	0950	"	"	"	"		1.7					
1038	8/16	1035	WADDICOR-ROY	"	"	"	0.45	3.0				0	
1039	8/23	1105	WADDICOR-FALCONE	"	"	"	0.39	2.4				0	
1040	8/30	1123	WADDICOR-BOWMAN	"	"	"	0.40	2.5				0	
1041	9/6	1046	WADDICOR-ROY	"	"	"	0.17	1.7				0	
1042	9/13	1025	" "	"	"	"	0.32	1.8				0	
1043	9/19	1015	" "	"	"	"	0.30	1.6				0	
1044	9/20	1340	" "	"	"	"	0.34	2.0				0	
1045	9/27	1100	" "	"	"	"	0.40	2.5				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.
1045	10/5	1046	WADDICOR				0.52	3.7	3'	RECT. WEIR			
1047	10/11	1525	"				0.50	3.5		"		"	
1048	10/18	1104	"				0.55	4.1		"		"	
1049	10/25	1100	"				0.50	3.5		"		"	
1050	11/1	1320	WADDICOR-ROY				0.55	4.1		"		"	
1051	11/8	1025	" "				0.50	3.5		"		"	
1052	11/15	1525	ROY-WADDICOR				0.70	5.8		"		"	
1053	11/23	1430	WADDICOR				0.58	4.4		"		"	
1054	11/29	1410	"				0.62	4.9		"		"	
1055	12/6	1104	"				0.68	5.6		"		"	
1056	12/11	0945	"				0.68	5.6		"		"	
1057	12/20	1050	"				0.66	5.4		"		"	
1058	12/27	1100	"				0.52	3.7		"		"	
1059	1/4	1045	"				0.54	4.0		"		"	
1060	1/17	1205	WOOD-WADDICOR					0					
1061	1/24	1307	WADDICOR-MC BRIDE					0					
1062	1/31	1130	WADDICOR					0					
1063	2/7	1420	WADDICOR-BROOK					0					
1064	2/14	1305	WADDICOR					0					
1065	2/21	1230	"					0					
1066	2/28	1050	"					0					
1067	3/7	1350	WADDICOR-ROY					0					
1068	3/14	1420	WADDICOR					0					
1069	3/21	1140	"					0					
1070	3/28	1130	"					0					
1071	4/4	1322	"				0.60	4.6	3'	RECT. WEIR			
1072	4/11	1040	ROY				0.64	5.4		"		"	
1073	4/17	1320	WADDICOR-ROY				0.36	2.2		"		"	
1074	4/25	1048	WADDICOR				0.24	1.2		"		"	
1075	5/2	1108	"				0.67	5.2		"		"	
1076	5/9	1037	"				0.66	5.6		"		"	
1077	5/16	1105	"				0.60	4.6		"		"	
1078	5/23	1233	BROOK-WADDICOR				0.56	4.2		"		"	
1079	5/29	1125	WADDICOR				0.73	6.2		"		"	
1080	6/6	1032	"				0.62	4.9		"		"	
1081	6/13	1440	"				0.63	5.0		"		"	
1082	6/20	1139	WADDICOR-ROY-GARDNER				0.51	3.6		"		"	
1083	6/27	1136	ROY-WADDICOR				0.50	3.5		"		"	
1083X	7/3	1200	ROY					0					
1084	7/11	1140	"				0.42	2.7		"		"	
1085	7/18	1620	WADDICOR				0.34	2.0		"		"	
1086	7/25	1055	"				0.29	1.6		"		"	
1087	8/1	1100	"				0.35	2.1		"		"	
1088	8/8	1040	WADDICOR-BLAKELY				0.22	1.03		"		"	
1089	8/15	1150	WADDICOR				0.21	0.96		"		"	
1090	8/22	1720	WADDICOR				0.20	0.50		"		"	
1091	8/29	1305	"				0.20	0.50		"		"	
1092	9/5	1100	"				0.11	0.36		"		"	
1093	9/12	1305	"				0.10	0.32					
1094	9/19	1049	"					EST. 0.1		"		"	

DISCHARGE MEASUREMENTS OF BIG ROCK CREEK F171-S

NEAR Pearblossom Highway 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.
130	11/23	1250 / 1256	WHISLER	3.5	0.84	0.82		0.73		.5/.6	8		FC59
131	12/7	1245 / 1255	"	4.0	0.89	0.82		0.73		.5	9		"
132	12/21	1220 / 1230	"	3.4	0.72	0.83		0.60		.5	8		"
133	1/4	1200 / 1206	"	4.5	1.06	1.13		1.2		.5/.6	8		"
134	1/18	1245 / 1255	"	4.0	1.10	1.09		1.2		.5/.6	9		"
135	2/2	1308 / 1318	"	10.0	5.44	1.97		10.7		.5/.6	11		FC5
136	2/8	1200 / 1210	"	10.5	4.8	1.64		7.9		.6	11		FC59
137	2/15	1347 / 1357	"	11.0	5.94	1.18		7.0		.6	10		"
138	2/21	1215 / 1225	"	10.5	5.63	1.12		6.3		.5/.6	12		"
139	2/29	1250 / 1302	"	13.0	5.36	0.88		4.7		.5/.6	12		"
140	3/7	1255 / 1305	"	12.5	5.53	1.03		5.7		.5/.6	13		"
141	3/14	1228 / 1240	"	11.5	4.27	0.67		2.9		.5/.6	11		"
142	3/21	1435 / 1442	SJOSTEDT-WHISLER	3.2	0.63	1.06		0.67		.5	8		"
143	3/28	1350 / 1400	WHISLER	3.1	0.70	1.11		0.78		.5	7		"
144	4/5	1318 / 1325	"	3.0	0.43	0.67		0.29		.5	7		"
145	4/11	1355 / 1400	"	1.7	0.31	1.16		0.36		.5	6		"
146	4/20	1402 / 1420	"	CHANNELS				10.6		.5/.6	21		"
147	5/2	1300 / 1312	"	12.0	4.85	1.13		5.5		.5/.6	13		"
148	5/16	1220 / 1230	"	11.0	3.09	1.13		3.5		.5	12		"
149	5/31	1300 / 1307	"	3.5	0.90	1.44		1.3		.5	7		"
150	6/13	1335 / 1339	SJOSTEDT-WHISLER	1.7	0.19	0.89		0.17		.5	5		"
151	6/27	1330 / 1335	SJOSTEDT	1.2	0.90	0.71		0.64		.5	5		"
152	7/11	1355 / 1405	"	1.0	0.13	0.69		0.09		.5	5		"
153	7/25	1346 / 1350	WHISLER	1.4	0.14	0.78		0.11		.5	4		"

DISCHARGE MEASUREMENTS OF BIG ROCK CREEK F171-S

NEAR Pearblossom Highway DURING THE YEAR ENDING SEPTEMBER 30, 1957

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.
154	12/12	1415 / 1425	WHISLER	CHANNELS				1.3		.5	17		FC59
155	12/26	1138 / 1148	"	3.0	0.69	1.26		0.87		.5	7		"
156	1/9	1300 / 1308	WHISLER-BOWMAN	5.5	1.18	0.80		0.94		.5	10		"
157	1/16	1105 / 1114	WHISLER	8.5	4.85	1.01		4.9		.6	11		"
158	1/23	1100 / 1110	"	CHANNELS				4.0		.6	13		"
159	1/30	1417 / 1426	WHISLER-BROOK	8.7	4.85	1.00		4.8		.6	10		"
160	2/6	1124 / 1148	WHISLER	CHANNELS				5.9		.5/.6	16		"
161	2/13	1329 / 1340	"	"				9.2		.5/.6	16		"
162	2/20	1337 / 1345	WHISLER-BROOK	"				9.7		.6	17		"
163	2/27	1258 / 1312	WHISLER-MC BRIDE	"				15.2		.6	11		"
164	3/7	1225 / 1251	WHISLER	"				15.1		.6	20		"
165	3/13	1240 / 1255	"	"				13.3		.6	11		"
166	3/20	1403 / 1420	"	"				10.8		.5/.6	18		"
167	3/27	1347 / 1359	WHISLER-LINDSAY	9.0	5.33	1.14		6.1		.6	11		"
168	4/2	0926 / 0936	WHISLER-BOWMAN	CHANNELS				6.8		.6	11		"
169	4/3	0930 / 0940	" "	"				6.6		.6	11		"
170	4/17	1110 / 1120	WHISLER	8.5	2.06	1.07		2.2		.5	11		"
171	4/24	1238 / 1245	"	8.8	2.16	0.93		2.0		.5	10		"
172	5/1	1230 / 1239	"	8.2	1.80	0.78		1.4		.5	10		"
173	5/8	1355 / 1402	"	5.0	1.07	1.21		1.3		.5	7		"
174	5/15	1305 / 1312	"	8.4	1.67	0.72		1.2		.5	10		"
175	5/22	1220 / 1228	"	8.8	2.46	1.14		2.8		.5	10		"
176	5/28	1113 / 1120	"	CHANNELS				1.4		.5	8		"
177	6/5	1335 / 1345	BOWMAN-WHISLER	3.0	0.38	0.76		0.29		.5	7		"
178	6/12	1135 / 1139	WHISLER	2.0	0.26	1.04		0.27		.5	5		"
179	6/19	1058 / 1102	"	2.0	0.28	0.86		0.24		.5	5		"
180	6/26	1245 / 1253	BOWMAN	2.0	0.28	0.89		0.25		.5	5		"
181	7/10	1210 / 1215	"	2.0	0.29	0.52		0.15		.5	5		"
182	7/24	1101 / 1105	WHISLER	1.2	0.14	0.64		0.09		.5	5		"

DISCHARGE MEASUREMENTS OF BIG ROCK CREEK F143-S

NEAR above Pallette 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.
339	10/11	1345 / 1355	WHISLER	6.3	1.80	1.28		2.3		.5/.6	10		FC59
340	10/27	1037 / 1038	TURNER-SCOTT	5.2	1.60	1.38		2.2		.5	10		FC60
341	11/9	1415 / 1425	WHISLER	5.5	1.66	1.44		2.4		.5/.6	9		FC59
342	11/23	1155 / 1210	"	8.5	4.82	0.50		2.4		.6	11		"
343	12/7	1425 / 1430	"	6.5	2.11	1.23		2.6		.6	8		"
344	12/21	1338 / 1350	"	8.8	5.07	0.49		2.5		.6	10		"
345	1/4	1143 / 1353	"	9.5	5.56	0.54		3.0		.6	11		"
346	1/18	1420 / 1430	"	10.5	5.84	0.56		3.3		.6	11		"
347	2/2	1405 / 1413	"	COMPOSITE				3.4		.5/.6	9		FC5
348	2/8	1325 / 1338	"	"				5.9		.6	13		FC59
349	2/15	1118 / 1133	"	TWO CHANNELS				7.8		.5/.6	18		"
350	2/21	1342 / 1405	"	" "				7.8		.5/.6	17		"
351	2/29	1112 / 1135	"	" "				5.0		.5/.6	16		"
352	3/7	1125 / 1143	"	" "				4.5		.5/.6	15		"
353	3/14	1110 / 1130	"	" "				5.0		.5/.6	15		"
354	3/21	1235 / 1303	SJOSTEDT-WHISLER	" "				4.8		.5	20		"
355	3/28	1128 / 1138	WHISLER	9.5	3.39	1.47		5.0		.5/.6	10		"
356	4/5	1505 / 1512	"	11.0	4.33	1.08		4.7		.6	12		"
357	4/11	1245 / 1255	"	10.0	3.25	1.45		4.7		.5/.6	11		"
358	4/20	1209 / 1220	"	8.7	3.54	1.30		4.6		.5/.6	10		"
359	5/2	1138 / 1150	"	8.6	3.55	1.41		5.0		.6	10		"
360	5/16	1415 / 1425	"	8.7	3.64	1.48		5.4		.5/.6	10		"
361	5/31	1428 / 1437	"	8.7	3.64	1.32		4.8		.5/.6	11		"
362	6/13	1137 / 1148	SJOSTEDT-WHISLER	8.7	3.35	1.25		4.2		.6	10		"
363	6/27	1450 / 1505	SJOSTEDT	0.80	0.30	1.20		0.36		.6	9		"
364	7/11	1215 / 1230	"	8.5	3.13	1.09		3.4		.6	10		"
365	7/25	1233 / 1240	WHISLER	6.7	2.85	1.12		3.2		.5/.6	8		"
366	8/8	1055 / 1105	"	6.8	2.53	1.26		3.2		.5/.6	8		"
367	8/22	1125 / 1133	"	6.0	2.19	1.32		2.9		.5/.6	8		"
368	9/5	1300 / 1310	"	6.0	2.08	1.20		2.5		.5/.6	8		"
369	9/19	1042 / 1054	"	5.5	1.87	1.18		2.2		.5/.6	12		"

DISCHARGE MEASUREMENTS OF BIG ROCK CREEK F143-S

NEAR above Pallette Creek DURING THE YEAR ENDING SEPTEMBER 30, 1957

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.
370	10/3	1335 / 1343	WHISLER	6.0	1.89	1.22		2.3		.5/.6	8		FC59
371	10/17	1035 / 1045	"	6.0	1.82	1.20		2.2		.5	10		"
372	10/31	1135 / 1145	WHISLER-HENSLEY	5.8	1.86	1.08		2.0		.5/.6	12		"
373	11/14	1335 / 1345	WHISLER-STUNDEN	5.6	1.79	1.17		2.1		.5	11		"
374	11/28	1405 / 1415	WHISLER	5.6	1.66	1.21		2.0		.5	11		"
375	12/12	1240 / 1250	"	5.8	1.84	1.14		2.1		.5	12		"
376	12/26	1025 / 1033	"	5.8	1.75	1.17		2.0		.5/.6	11		"
377	1/9	1412 / 1421	WHISLER-BOWMAN	5.7	1.88	1.06		2.0		.5/.6	12		"
378	1/16	1146 / 1157	WHISLER	5.5	2.00	1.40		2.8		.5/.6	9		"
379	1/23	1150 / 1155	"	5.3	1.65	1.27		2.1		.6	7		"
380	1/30	1505 / 1512	WHISLER-BROOK	7.5	1.82	1.31		2.4		.5	10		"
381	2/6	1236 / 1242	WHISLER	7.5	2.00	1.20		2.4		.5/.6	10		"
382	2/13	1410 / 1416	"	8.0	1.98	1.31		2.6		.5	10		"
383	2/20	1500 / 1511	BROOK-WHISLER	7.4	1.94	1.24		2.4		.6	10		"
384	2/27	1420 / 1429	MC BRIDE-WHISLER	7.0	2.18	1.28		2.8		.5/.6	8		"
385	3/7	1057 / 1110	WHISLER	7.3	2.68	1.60		4.3		.5/.6	15		"
386	3/13	1130 / 1141	"	12.0	4.13	1.57		6.5		.5/.6	13		"
387	3/20	1447 / 1518	"	2 CHANNELS				8.6		.6	11		"
388	3/27	1505 / 1516	WHISLER-LINDSAY	12.5	5.88	1.51		8.9		.6	13		"
389	4/2	1444 / 1505	FALCONE-HYDE	15.2	6.11	1.72		10.5		.6	17		FC60
390	4/3	1350 / 1025	WHISLER-BOWMAN	COMPOSITE				9.4		.6	14		FC59
391	4/10	1350 / 1410	WHISLER	"				8.0		.6	15		"
392	4/17	1303 / 1316	"	CHANNELS				7.8		.6	13		"

DISCHARGE MEASUREMENTS OF BIG ROCK CREEK F143-S

AT/NEAR above Pallette Creek 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.	G. HT. CHANGE TOTAL	METER NO.
393	4/24	1330 / 1342	WHISLER		CHANNELS			6.9		.6	14		FC59
394	5/1	1345 / 1357	"		"			6.3		.6	12		"
395	5/8	1440 / 1450	"		"			5.8		.6	9		"
396	5/15	1400 / 1410	"		"			5.0		.5 / .6	10		"
397	5/22	1420 / 1429	"		"			4.8		.5 / .6	10		"
398	5/28	1350 / 1400	"		"			4.8		.6	10		"
399	6/5	1430 / 1442	BOWMAN-WHISLER		"			3.7		.5 / .6	9		"
400	6/12	1400 / 1408	WHISLER	5.7	2.28	1.75		4.0		.5 / .6	9		"
401	6/19	1315 / 1323	"	7.7	2.43	1.48		3.7		.5 / .6	9		"
402	6/26	1412 / 1425	BOWMAN	7.3	2.07	1.50		3.1		.5	9		"
403	7/10	1300 / 1315	"	7.5	2.11	1.70		3.6		.5	9		"
404	7/24	1023 / 1031	WHISLER	7.3	2.50	1.16		2.9		.5 / .6	10		"
405	8/7	1140 / 1148	WHISLER-REISTER	7.3	2.47	1.21		3.0		.5	9		"
406	8/21	1006 / 1014	WHISLER	7.4	2.48	1.25		3.1		.5	9		"
407	9/4	1402 / 1410	WHISLER-BLAKELY	7.2	2.30	1.04		2.4		.5	9		"
408	9/18	1445 / 1455	WHISLER	6.5	2.27	1.01		2.3		.5	8		"

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.
125	5/28	1303 / 1308	WHISLER	5.0	1.58	0.60		0.94		.5 / .6	7		FC59
126	6/5	1410 / 1420	BOWMAN-WHISLER	4.5	1.17	0.42		0.49		.5 / .6	6		"
127	6/12	1338 / 1342	WHISLER	3.0	0.77	0.40		0.31		.5	7		"
128	6/19	1156 / 1200	"	2.8	0.64	0.19		0.12		.5	7		"

DISCHARGE MEASUREMENTS OF BIG TUJUNGA CREEK F155-S

AT/NEAR Foothill Boulevard 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	1/30	1540 / 1608	HYDE	40.0	25.1	2.68		67.4		.6	18		FC35
2	6/7	1600 / 1605	HYDE-TURNER	2.7	0.50	1.16		0.58		.5	6		FC60
3	6/30	1542 / 1546	HYDE	3.0	0.60	1.52		0.91		.5	4		FC35

DISCHARGE MEASUREMENTS OF BIG ROCK CREEK F295-S

AT/NEAR above Rising Water 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.
97	1/4	1245 / 1255	WHISLER	1.0	0.11	0.36		0.04		.5	7		FC59
98	1/18	1325 / 1330	"	1.0	0.10	0.50		0.05		.5	5		"
99	2/8	1235 / 1240	"	6.0	1.48	1.49		2.1		.6	7		"
100	2/15	1200 / 1214	"	11.0	2.70	1.59		4.3		.5	9		"
101	2/21	1252 / 1300	"	11.0	2.65	1.58		4.2		.5	11		"
102	2/29	1148 / 1155	"	6.0	1.81	0.83		1.5		.5 / .6	7		"
103	3/7	1200 / 1206	"	6.0	1.59	0.75		1.2		.5 / .6	7		"
104	3/14	1138 / 1148	"	4.0	1.77	0.85		1.5		.6	9		"
105	3/21	1342 / 1352	SJOSTEDT-WHISLER	3.9	1.39	1.08		1.5		.5	10		"
106	3/28	1320 / 1330	WHISLER	3.5	0.87	0.95		0.83		.5	8		"
107	4/5	1355 / 1403	"	3.5	0.75	0.81		0.61		.5	7		"
108	4/11	1320 / 1328	"	3.8	0.78	0.59		0.46		.5	9		"
109	4/20	1333 / 1340	"	3.8	0.79	0.70		0.55		.5	9		"
110	5/2	1230 / 1240	"	3.5	0.84	0.92		0.77		.5	8		"
111	5/16	1254 / 1300	"	3.9	1.12	1.07		1.2		.5	9		"
112	5/31	1340 / 1350	"	4.0	1.00	0.92		0.92		.5	7		"
113	6/13	1252 / 1257	"	3.7	0.65	0.51		0.33		.5	6		"

DISCHARGE MEASUREMENTS OF BIG TUJUNGA WASH F155-S

AT/NEAR Foothill Boulevard 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.	G. HT. CHANGE TOTAL	METER NO.
4	3/5	1430 / 1440	HYDE	5.0	1.89	0.74		1.4		.5 / .6	7		FC35
5	5/23	1050 / 1102	"	11.0	3.99	0.85		3.4		.6	11		FC58

DISCHARGE MEASUREMENTS OF BIG ROCK CREEK F295-S

AT/NEAR above Rising Water 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.	G. HT. CHANGE TOTAL	METER NO.
114	3/7	1140 / 1148	WHISLER	4.0	0.71	0.90		0.64		.5	8		FC59
115	3/13	1218 / 1228	"	8.0	2.11	1.33		2.8		.5	10		"
116	3/20	1430 / 1440	"		CHANNELS			5.1		.6	8		"
117	4/3	0952 / 1000	WHISLER-BOWMAN		"			5.6		.6	11		"
118	4/10	1305 / 1315	WHISLER		"			5.2		.6	14		"
119	4/14	1220 / 1230	"		"			4.0		.6	9		"
120	4/24	1305 / 1314	"	8.0	3.58	0.92		3.3		.6	9		"
121	5/1	1322 / 1330	"	8.5	2.81	1.07		3.0		.5 / .6	10		"
122	5/8	1418 / 1424	"	8.0	2.47	0.89		2.2		.5 / .6	9		"
123	5/15	1337 / 1346	"	8.0	2.26	0.71		1.6		.5 / .6	9		"
124	5/22	1400 / 1406	"	8.0	2.06	0.63		1.3		.5	9		"

DISCHARGE MEASUREMENTS OF BOUQUET CREEK F284-S

AT/NEAR 1.6 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.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
60	4/17	1015 / 1023	HYDE	2.8	0.52	0.86		0.45		.5	7		FC60
61	4/25	1102 / 1114	WHISLER-LINDSAY	5.5	1.47	0.31		0.46		.5	11		FC59
62	6/3	1240 / 1248	WHISLER	5.3	1.43	0.35		0.50		.5	7		"
63	5/9	1335 / 1348	"	5.0	2.75	0.84		2.3		.5 / .6	10		FC5
64	5/17	0940 / 0950	"	3.1	0.76	0.39		0.30		.5	9		FC59
65	5/24	1210 / 1223	"	3.5	0.91	0.41		0.37		.5	10		"
66	6/1	1010 / 1020	"	7.5	5.11	1.10		5.6		.6	10		"
67	6/7	1043 / 1055	"	8.0	5.45	1.06		5.8		.6	9		"
68	6/14	0900 / 0912	"	8.0	5.45	1.17		6.4		.6	11		"
69	6/21	0948 / 1003	"	7.5	5.64	1.08		6.1		.6	10		"
70	6/28	1245 / 1300	SJOSTEDT	8.1	3.36	1.76		5.9		.6	10		"
71	7/5	1335 / 1350	"	8.5	4.10	1.34		5.5		.6	11		"
72	7/12	1055 / 1110	"	8.3	4.25	1.41		6.0		.6	10		"
73	7/19	1215 / 1225	WHISLER	8.2	5.23	1.15		6.0		.6	11		"
74	7/26	1157 / 1207	"	8.3	5.45	1.03		5.6		.6	10		"

DISCHARGE MEASUREMENTS OF BOUQUET CREEK F2841-S

AT 1.5 Miles above Texas 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.	RATINGS	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
75	4/18	1015 / 1022	WHISLER	6.0	2.23	1.00		2.2		.6	7		FC59
76	4/25	1102 / 1107	"	4.5	0.93	0.62		0.58		.5 .6	6		"
77	5/2	1236 / 1243	ROY-WHISLER	2.5	0.28	0.89		0.25		.5	6		"
78	5/9	0918 / 0927	WHISLER	3.5	0.65	0.75		0.49		.5	8		"
79	5/16	1050 / 1057	"	3.0	0.54	0.93		0.50		.5	7		"
80	5/23	1204 / 1210	"	3.4	0.70	0.96		0.67		.5	7		"
81	5/29	1020 / 1026	"	3.2	0.57	0.75		0.43		.5	7		"
82	6/13	1012 / 1020	"	6.0	2.01	1.64		3.3		.5 .6	8		"
83	6/20	1040 / 1047	"	6.0	1.80	1.56		2.8		.6	7		"
84	6/27	1205 / 1210	BOWMAN	5.0	1.55	1.81		2.8		.5	6		"
85	7/3	1230 / 1240	"	5.0	1.50	1.60		2.4		.5	6		"
86	7/11	1040 / 1055	"	11.0	2.26	1.24		2.8		.5	9		"
87	7/18	1028 / 1035	WHISLER	6.0	2.3	1.63		3.3		.5 .6	7		"
88	7/25	1125 / 1131	"	6.0	1.95	1.28		2.5		.5 .6	7		"
89	8/1	1048 / 1055	"	5.7	1.92	1.56		3.0		.5	7		"
90	8/8	1140 / 1148	"	6.0	1.93	1.55		3.0		.5	7		"
91	8/15	1027 / 1034	"	6.1	2.02	1.49		3.0		.5	8		"
92	8/22	1112 / 1118	"	6.0	1.98	1.41		2.8		.5 .6	7		"
93	8/29	1000 / 1010	"	6.4	2.17	1.47		3.2		.5	8		"
94	9/5	1109 / 1117	WHISLER-BLAKELY	6.6	2.19	1.37		3.0		.5	8		"
95	9/12	1020 / 1028	WHISLER	6.4	2.22	1.53		3.4		.5 .6	8		"
96	9/19	1235 / 1241	"	6.4	2.16	1.48		3.2		.5	8		"
97	9/26	0830 / 0838	"	6.5	2.35	1.49		3.4		.5	8		"

DISCHARGE MEASUREMENTS OF CASTAIC CREEK F140-S

AT Elizabeth Lake Canyon 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.	RATINGS	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
11	1/27	1055 / 1105	WHISLER-ROGERS	16.5	11.2	4.40		49.3		.6	10		FC5
12	4/13	1220 / 1228	WHISLER	8.0	3.09	2.01		6.2		.5 .6	9		"
13	5/9	0945 / 0953	"	9.5	4.62	2.77		12.8		.5 .6	8		"

DISCHARGE MEASUREMENTS OF CASTAIC CREEK F140-S

AT Elizabeth Lake Canyon Highway 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.	RATINGS	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
14	1/13	1355 / 1400	WHISLER-FEIKER	15.5	6.00	2.27		13.6		.6	9		FC5

DISCHARGE MEASUREMENTS OF COLD CREEK F61-S

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.	RATINGS	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
175	2/2	1411 / 1420	FALCONE-DE MARS	4.3	2.25	0.39		0.88		.5	6		FC48
176	2/9	0914 / 0922	HOLLERON-DE MARS	4.5	1.78	0.40		0.72		.5 .6	8		"
177	2/16	0912 / 0919	HOLLERON-DE MARS	4.4	1.66	0.37		0.61		.5	10		"
178	3/1	1637 / 1645	" "	4.6	1.60	0.48		0.76		.5	9		"
179	3/8	1233 / 1245	HOLLERON	4.5	1.87	0.32		0.59		.5 .6	9		"
180	3/15	1357 / 1406	"	5.1	1.02	0.60		0.61		.5	8		"
181	3/22	1505 / 1514	HOLLERON-LINDSAY	5.8	1.11	0.53		0.59		.5	13		"
182	3/29	1120 / 1130	HOLLERON	4.8	0.88	0.58		0.51		.5	9		"
183	4/5	1528 / 1540	"	4.9	0.90	0.46		0.41		.5	8		"
184	4/12	1518 / 1528	HOLLERON-CLAIRE	4.9	2.81	1.35		3.8		.5 .6	9		FC48
185	4/19	1600 / 1610	HOLLERON	5.0	1.15	0.70		0.80		.5	8		"
186	5/3	1414 / 1424	"	3.0	0.50	0.98		0.49		.5	7		"
187	5/10	1455 / 1505	"	4.5	1.52	0.53		0.81		.5	10		"
188	5/17	1356 / 1406	"	3.0	0.65	0.69		0.45		.5	8		"
189	5/24	1310 / 1318	"	2.5	0.55	0.87		0.48		.5	7		"
190	5/31	1540 / 1548	"	2.5	0.47	0.72		0.34		.5	7		"
191	6/7	1615 / 1623	"	2.5	0.45	0.62		0.28		.5	7		"
192	6/13	1605 / 1614	"	2.4	0.37	0.38		0.14		.5	7		"
193	6/20	1530 / 1540	"	2.4	0.41	0.29		0.12		.5	7		"
194	6/27	1505 / 1515	"	2.4	0.33	0.24		0.08		.5	7		"
195	7/11	1553 / 1557	"	0.6	0.06	0.83		0.05		.5	4		"

DISCHARGE MEASUREMENTS OF COLD CREEK F61-S

AT Crater Camp 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.	RATINGS	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
196	3/21	1425 / 1430	MC BRIDE-SJOSTEDT	3.0	0.48	0.75		0.36		.5	4		FC50
197	4/4	1325 / 1330	SJOSTEDT	3.0	0.47	0.64		0.30		.5	5		"
198	4/11	1450 / 1455	"	2.5	0.48	0.79		0.38		.5	6		"
199	4/18	1245 / 1250	"	3.0	0.92	1.74		1.6		.5 .6	5		"
200	5/2	1300 / 1305	"	1.6	0.24	0.96		0.23		.5	5		"
201	5/16	1430 / 1440	BROOK-SJOSTEDT	1.0	0.11	0.91		0.10		.5	6		"
202	5/29	1500 / 1505	SJOSTEDT	1.0	0.09	0.89		0.08		.5	5		"
203	6/6	1340 / 1345	"	1.0	0.08	0.75		0.06		.5	5		"
204	6/13	1300 / 1305	WOOD-SJOSTEDT	1.0	0.10	0.60		0.06		.5	5		"

DISCHARGE MEASUREMENTS OF DEVILS PUNCH BOWL CREEK F178-S

AT above Big Rock Creek 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.
14	3/21	1522 / 1528	SJOSTEDT-WHISLER	1.5	0.20	0.55		0.11		.5	6		FC59

DISCHARGE MEASUREMENTS OF ELIZABETH LAKE CREEK F141-S

AT above Dry Gulch 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.
259	1/27	1029 / 1040	WHISLER-ROGERS	27.5	25.0	3.88		97.1		.6	16		FC5
260	2/1	1213 / 1224	WHISLER	10.5	4.30	1.72		7.4		.6	9		"
261	2/9	1055 / 1105	"	8.0	2.58	1.32		3.4		.5 .6	10		FC59
262	2/16	1245 / 1255	"	9.3	2.34	1.02		2.4		.5	11		"
263	2/23	1023 / 1032	"	10.5	3.10	1.35		4.2		.5 .6	11		"
264	3/1	1100 / 1111	"	9.5	3.14	1.40		4.4		.5 .6	10		"
265	3/8	1115 / 1125	"	6.4	2.53	1.30		3.3		.5 .6	8		"
266	3/15	1305 / 1315	"	7.0	2.26	1.11		2.5		.5 .6	9		"
267	3/22	1110 / 1120	"	6.2	1.74	1.26		2.2		.5	8		"
268	3/27	1105 / 1113	SJOSTEDT-WHISLER	5.9	1.64	1.04		1.7		.5 .6	8		"
269	4/4	1448 / 1500	WHISLER	3.4	1.26	1.03		1.3		.5 .6	8		"
270	4/13	1254 / 1308	"	13.4	7.16	1.96		14.0		.5 .6	15		FC5
271	4/17	1146 / 1158	HYDE	8.8	3.63	1.18		4.3		.5	11		FC60
272	4/25	1445 / 1500	WHISLER-LINDSAY	9.0	2.67	0.79		2.1		.5 .6	10		FC59

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.
273	5/3	1450 / 1500	WHISLER	9.0	2.87	1.08		3.1		.5	10		FC59
274	5/9	1006 / 1014	"	14.0	7.62	2.02		15.4		.5	10		FC5
275	5/17	1048 / 1100	"	11.5	4.12	1.31	2.50	5.4		.5	13	0	FC59
276	5/24	1312 / 1320	"	6.0	2.49	1.12	2.41	2.8		.5	8	0	"
277	6/1	1129 / 1138	"	5.7	2.01	1.04	2.36	2.1		.5	7	0	"
278	6/7	1258 / 1303	"	4.8	1.40	0.65	2.25	0.91		.5	6	0	"
279	6/14	0925 / 0930	"	2.0	0.69	0.29	2.13	0.20		.5	7	0	"
280	6/21	1005 / 1010	"	1.5	0.15	0.53	2.09	0.08		.5	6	0	"

DISCHARGE MEASUREMENTS OF ELIZABETH LAKE CREEK F141-S

AT OR NEAR above Dry Gulch 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.	G. HT. CHANGE TOTAL	METER NO.
281	1/13	1412 / 1418	WHISLER-FEIKER	14.0	6.44	1.37	2.90	8.8		.6	0	0	FC5
282	1/31	0949 / 0955	WHISLER	3.7	1.08	0.93	2.49	1.0		.5	8	0	FC59
283	2/7	0940 / 0945	"	3.5	1.00	0.87	2.45	0.87		.5	8	0	"
284	2/14	0950 / 1000	"	4.0	1.36	1.25	2.55	1.7		.6	9	0	"
285	2/21	1118 / 1125	WHISLER-BROOK	4.0	1.39	1.22	2.54	1.7		.6	9	0	"
286	2/24	1117 / 1126	WHISLER	14.0	6.37	1.08	2.72	6.9		.6	12	0	"
287	2/28	1025 / 1045	MC BRIDE-WHISLER	12.0	4.75	0.97	2.61	4.6		.6	13	0	"
288	3/6	1452 / 1504	WHISLER	13.0	4.99	1.04	2.47	5.2		.6	13	0	"
289	3/14	0930 / 0945	"	11.0	3.70	0.84	2.39	3.1		.6	12	0	"
290	3/21	1424 / 1432	"	5.0	1.83	1.53	2.36	2.8		.6	6	0	"
291	3/28	1150 / 1155	"	5.0	1.80	1.17	2.31	2.1		.6	6	0	"
292	4/4	1224 / 1231	"	5.0	1.70	1.00	2.27	1.7		.6	6	0	"
293	4/11	1012 / 1018	"	5.0	1.63	0.74	2.27	1.2		.6	6	0	"
294	4/18	1210 / 1218	"	13.0	5.55	1.23	2.54	6.8		.6	10	0	"
295	4/25	1010 / 1022	"	10.5	3.51	0.71	2.36	2.5		.6 / .5	12	0	"
296	5/2	1024 / 1030	WHISLER-ROY	4.4	1.50	0.80	2.27	1.2		.6	7	0	"
297	5/9	1124 / 1130	WHISLER	4.0	1.45	0.65	2.25	0.94		.6	6	0	"
298	5/16	1302 / 1310	"	4.0	1.38	0.53	2.26	0.73		.6	9	0	"
299	5/23	1304 / 1310	"	5.0	1.75	0.80	2.32	1.4		.6	6	0	"
300	5/29	1138 / 1144	"	3.5	0.83	0.69	2.22	0.57		.5 / .6	8	0	"
301	6/13	0917 / 0919	"	1.5	0.17	0.35	2.08	0.06		.6	4	0	"

DISCHARGE MEASUREMENTS OF EVEY CREEK F296-S

AT OR 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	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
33	1/26	0933 / 0940	MIDDLETON-LAMPHEAR	8.0	22.6	2.84	0.28	6.4		.5 / .6	9	0	FC54
34	2/29	1251 / 1255	MIDDLETON	1.2	0.12	1.33	0.38	0.16		.6	5	0	FC49
35	3/22	1250 / 1254	SJOSTEDT-MIDDLETON	9.9	0.08	0.75	0.38	0.06		.6	5	0	"

DISCHARGE MEASUREMENTS OF EVEY CREEK-CANYON WATER COMPANY DIVERSION(H-11 FORMERLY F296-S)

AT OR NEAR 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.	G. HT. CHANGE TOTAL	METER NO.
33	10/6	1230	MIDDLETON				0.27	0.10		90° V"	NOTCH	WEIR	
34	10/20	1200	"				0.28	0.11		"	"	"	"
35	11/9	1150	"				0.28	0.11		"	"	"	"
36	11/17	1300	"				0.28	0.11		"	"	"	"
37	12/1	1240	"				0.28	0.11		"	"	"	"
38	4/5	1320	"				0.32	0.15		"	"	"	"
39	4/13	1530	"				0.32	0.15		"	"	"	"
40	4/19	1355	"				0.30	0.13		"	"	"	"
41	4/26	1250	"				0.30	0.13		"	"	"	"
42	5/9	1715	"				0.30	0.13		"	"	"	"
43	5/25	1345	"				0.30	0.13		"	"	"	"
44	5/31	1400	MIDDLETON				0.30	0.13		90° V"	NOTCH	WEIR	
45	6/7	1410	"				0.30	0.13		"	"	"	"
46	6/14	1140	"				0.30	0.13		"	"	"	"
47	6/21	1140	"				0.30	0.13		"	"	"	"
48	6/28	1115	"				0.29	0.12		"	"	"	"
49	7/6	1200	"				0.29	0.12		"	"	"	"
50	7/19	1245	"				0.29	0.12		"	"	"	"
51	7/25	1245	"				0.29	0.12		"	"	"	"
52	8/1	1140	SADDORIS				0.26	0.09		"	"	"	"
53	8/9	1255	"				0.28	0.11		"	"	"	"
54	8/16	1350	MIDDLETON				0.28	0.11		"	"	"	"
55	8/23	1230	"				0.26	0.09		"	"	"	"
56	8/30	1505	"				0.28	0.11		"	"	"	"
57	9/7	1300	"				0.26	0.09		"	"	"	"
58	9/12	1100	"				0.25	0.08		"	"	"	"
59	9/19	1420	"				0.24	0.07		"	"	"	"
60	9/27	1445	"				0.23	0.07		"	"	"	"

DISCHARGE MEASUREMENTS OF EVEY CREEK-CANYON WATER COMPANY DIVERSION(H-11 FORMERLY F296-S)

AT OR NEAR Mouth of 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.	G. HT. CHANGE TOTAL	METER NO.
61	10/6	1215	MIDDLETON				0.26	0.09		90° V"	NOTCH	WEIR	
62	10/18	1345	"				0.26	0.09		"	"	"	"
63	10/25	1110	"				0.26	0.09		"	"	"	"
64	11/2	1340	"				0.28	0.11		"	"	"	"
65	11/29	1130	"				0.27	0.10		"	"	"	"
66	12/6	1450	"				0.28	0.11		"	"	"	"
67	12/13	1330	FALCONE-MIDDLETON				0.28	0.11		"	"	"	"
68	12/19	1530	MIDDLETON				0.28	0.11		"	"	"	"
69	1/3	1515	MIDDLETON-MC BRIDE				0.28	0.11		"	"	"	"
70	4/11	1100	SARASUA				0.32	0.15		"	"	"	"
71	4/17	1430	"				0.31	0.14		"	"	"	"
72	4/27	1110	"				0.36	0.20		"	"	"	"
73	5/2	1550	"				0.34	0.18		"	"	"	"
74	5/8	1530	"				0.32	0.15		"	"	"	"
75	5/15	1600	"				0.32	0.15		"	"	"	"
76	5/23	1050	"				0.34	0.18		"	"	"	"
77	5/29	1050	"				0.34	0.18		"	"	"	"
78	6/5	1530	"				0.34	0.18		"	"	"	"
79	6/19	1440	"				0.34	0.18		"	"	"	"
80	6/26	1420	"				0.33	0.16		"	"	"	"
81	7/3	1510	MIDDLETON				0.27	0.10		"	"	"	"
82	7/11	1105	"				0.24	0.07		"	"	"	"
83	7/18	1100	"				0.22	0.06		"	"	"	"

DISCHARGE MEASUREMENTS OF MILL CREEK F112-S

AT OR NEAR above Big Tujunga Creek 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.
624	11/3	1300 / 1303	TURNER	0.8	0.08	0.38	1.64	0.03		.5	4	0	FC60
625	11/23	0950 / 0955	HYDE	1.5	0.21	0.38		0.08		.5	4		FC35
626	12/1	1325 / 1330	HYDE-TURNER	1.5	0.21	0.52	1.73	0.11		.5	6	0	FC60
627	12/7	1317 / 1323	TURNER	1.5	0.24	0.62	1.74	0.15		.5	6	0	"
628	12/15	1050 / 1055	HYDE	1.5	0.27	0.70	1.75	0.19		.5	5	0	"
629	12/22	1048 / 1054	"	1.5	0.25	0.80	1.76	0.20		.5	6	0	"
630	12/29	1230 / 1236	"	1.5	0.27	0.81	1.77	0.22		.5	6	0	"
631	1/5	1026 / 1032	HYDE-LINDSAY	1.5	0.26	0.96	1.75	0.25		.5	6	0	"
632	1/12	1034 / 1040	HYDE	1.5	0.27	1.00	1.77	0.27		.5	6	0	"
633	1/19	1224 / 1234	"	1.5	0.28	0.89	1.76	0.25		.5	5	0	"
634	1/31	1210 / 1220	GODFREY	5.0	2.13	0.84		1.8		.5	9		FC28

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.
635	2/2	1117 / 1130	HYDE	4.0	1.93	0.57	1.91	1.1		.6	8	0	FC25
636	2/9	1122 / 1155	"	3.5	1.36	0.56	1.88	0.76		.5 / .6	8	0	FC60
637	2/16	1056 / 1106	SJOSTEDT-HYDE	3.3	1.32	1.06	1.86	1.4		.5	9	0	"
638	2/24	1133 / 1145	HYDE	3.6	1.45	0.55	1.90	.80		.5 / .6	8	0	FC35
639	3/1	1100 / 1112	"	3.5	1.36	0.47	1.88	0.64		.6	9	0	FC60
640	3/8	1106 / 1116	"	3.3	1.44	0.64	1.90	0.92		.5 / .6	8	0	"
641	3/15	1115 / 1125	"	3.3	1.31	0.59	1.89	0.77		.5	8	0	"
642	3/22	1046 / 1058	"	3.3	1.33	0.47	1.89	0.62		.5 / .6	8	0	"
643	3/29	1222 / 1234	"	3.3	1.32	0.42	1.88	0.56		.5	8	0	"
644	4/5	1150 / 1158	"	2.0	0.80	0.76	1.88	0.61		.5	6	0	"
645	4/14	1220 / 1234	"	4.3	1.28	0.94	1.97	1.2		.5	10	0	"
646	4/19	1115 / 1135	"	3.7	0.96	1.25	1.93	1.2		.5	8	0	"
647	4/26	1012 / 1020	"	3.5	0.91	1.10	1.94	1.0		.5	8	0	FC35
648	5/3	0912 / 0922	"	3.5	0.75	0.96	1.90	0.72		.5	8	0	"
649	5/10	1512 / 1518	"	3.0	0.96	1.04	1.94	1.0		.5	7	0	FC60
650	5/16	1049 / 1058	HYDE-LINDSAY	3.0	0.77	0.92	0.92	0.71		.5	7	0	"
651	5/23	1420 / 1426	HYDE-FALCONE	2.0	0.31	0.94		0.29		.5	5		FC44
652	5/31	1212 / 1218	HYDE	3.0	0.66	0.70	1.88	0.46		.5	7	0	FC60
653	6/7	1006 / 1015	HYDE-TURNER	3.0	0.56	0.88	1.88	0.49		.5	7	0	"
654	6/14	1020 / 1028	HYDE	2.8	0.45	0.60	1.85	0.27		.5	7	0	"
655	6/21	0948 / 0955	"	2.8	0.48	0.67	1.86	0.32		.5	7	0	"
656	6/28	1042 / 1052	BOWMAN-HYDE	2.5	0.22	0.41	1.81	0.09		.5	6	0	"
657	7/5	1030 / 1035	HYDE-ROY	2.5	0.28	0.43	1.80	0.12		.5	6	0	"
658	7/13	0950 / 0954	HYDE	1.3	0.07	0.57		0.04		.5	4		"
659	7/19	0910 / 0911	"	0.5	0.02	0.50		0.01		.5	3		"

DISCHARGE MEASUREMENTS OF MILL CREEK F112-S

AT above Big Tujunga Creek 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.	RATINGS	METHOD	MEAS. SEC. NO.	S. HT. CHANGE TOTAL	METER NO.
660	10/25	1050 / 1053	HYDE	1.4	0.10	0.30	1.72	0.03		.5	4	0	FC60
661	11-1	1114 / 1118	"	1.4	0.04	0.50	1.76	0.02		.5	4	0	"
662	11/8	0942 / 0946	"	1.5	0.10	0.70	1.79	0.07		.5	4	0	"
663	11/15	1045 / 1050	"	1.7	0.13	0.31	1.80	0.04		.5	5	0	"
664	11/21	1230 / 1235	HYDE-STUNDEN	1.7	0.14	0.57	1.82	0.08		.5	5	0	"
665	11/29	1100 / 1104	HYDE	1.5	0.16	0.75	1.83	0.12		.5	4	0	"
666	12/6	1035 / 1038	"	1.5	0.16	0.69	1.84	0.11		.5	4	0	"
667	12/13	1127 / 1131	"	1.7	0.22	0.63	1.84	0.14		.5	5	0	"
668	12/20	1025 / 1029	"	1.8	0.24	0.71	1.86	0.17		.5	5	0	"
669	12/27	1104 / 1108	"	2.2	0.29	0.45	1.87	0.13		.5	6	0	"
670	1/3	1326 / 1332	"	2.3	0.30	0.57	1.87	0.17		.5	6	0	"
671	1/9	1235 / 1240	"	2.5	0.37	0.60	1.88	0.24		.5	6	0	"
672	1/17	1035 / 1042	"	3.0	0.66	0.59	1.90	0.39		.5	7	0	"
673	1/24	1258 / 1304	"	3.0	0.62	0.71	1.92	0.44		.5	7	0	"
674	1/30	1000 / 1012	BOWMAN-HYDE	3.0	0.65	0.71	1.90	0.46		.5	7	0	"
675	2/6	1209 / 1215	HYDE	3.0	0.64	0.72	1.90	0.46		.5	7	0	"
676	2/13	1125 / 1133	"	3.0	0.63	0.62	1.90	0.39		.5	7	0	"
677	2/20	1042 / 1050	"	3.0	0.61	0.61	1.90	0.37		.5	7	0	"
678	2/27	1246 / 1256	BROOK-HYDE	3.5	0.79	0.76	1.92	0.60		.5	8	0	"
679	3/7	1040 / 1048	HYDE	3.5	0.77	0.78	1.92	0.55		.5	8	0	"
680	3/14	1120 / 1130	MC BRIDE	3.5	0.83	0.71	1.91	0.59		.5	7	0	FC35
681	3/20	0930 / 0940	HYDE	3.3	0.75	0.71	1.90	0.53		.5	8	0	"
682	3/28	1024 / 1030	"	3.0	0.69	0.67	1.90	0.46		.5	7	0	FC60
683	4/4	1111 / 1117	HYDE	3.4	0.70	0.57	1.90	0.40		.5	8	0	FC60
684	4/11	1120 / 1130	"	3.0	0.65	0.69	1.89	0.45		.5	7	0	"
685	4/19	1145 / 1150	"	3.3	0.72	0.80	1.90	0.58		.5	6	0	"
686	4/25	1102 / 1107	"	3.0	0.65	0.69	1.88	0.45		.5	7	0	"
687	4/2	1226 / 1232	WOOD-HYDE	2.5	0.54	0.78	1.89	0.42		.5	6	0	"
688	5/9	1107 / 1114	HYDE	3.2	0.62	0.64	1.88	0.40		.5	6	0	"
689	5/16	1158 / 1205	"	3.3	0.60	0.48	1.88	0.29		.5	8	0	"
690	5/22	1430 / 1437	"	3.2	0.65	0.52	1.87	0.34		.5	7	0	"
691	5/29	1332 / 1340	"	3.2	0.63	0.56	1.88	0.35		.5	7	0	"
692	6/5	1145 / 1152	"	2.0	0.32	0.44	1.84	0.14		.5	5	0	"
693	6/13	1000 / 1008	BROOK-HYDE	3.0	0.60	0.52	1.88	0.31		.5	8	0	"
694	6/20	0845 / 0850	HYDE	1.2	0.09	0.67	1.83	0.06		.5	5	0	"
695	6/27	0848 / 0850	"	0.5	0.04	0.50	1.78	0.02		.5	3	0	"
696	7/3	1050 / 1052	"	0.4	0.02	1.00	1.75	0.02		.5	3	0	"

DISCHARGE MEASUREMENTS OF MISSION CREEK F330-S

AT 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.	RATINGS	METHOD	MEAS. SEC. NO.	S. HT. CHANGE TOTAL	METER NO.
1	6/7	1550 / 1557	WADDICOR	3.5	2.06	0.78		1.6		.6	5		FC52
2	6/14	1435 / 1440	"	3.4	1.76	0.80		1.4		.6	5		"
3	6/21	1625 / 1632	"	3.4	1.45	0.69		1.0		.6	5		"
4	6/28	1520 / 1525	"	3.3	1.30	0.66		0.86		.6	5		"
5	7/5	1640 / 1645	"	3.2	2.04	0.43		0.88		.6	5		"
6	7/12	1440 / 1448	WADDICOR-SADDORIS	2.7	0.85	0.62		0.53		.5	7		"
7	7/19	1015 / 1028	SADDORIS	4.0	0.46	0.78		0.36		.6	9		"
8	7/26	1100 / 1115	"	6.0	0.64	0.62		0.40		.5	13		"
9	8/2	1105 / 1110	WADDICOR	0.70	0.70	0.57		0.04		.5	4		"
10	8/3	1028 / 1037	"	1.5	0.28	1.14		0.32		.5	6		"
11	8/3	1050 / 1100	"	1.6	0.30	1.27		0.38		.5 / .6	8		"
12	8/3	1115 / 1130	"	1.8	0.35	1.20		0.42		.5 / .6	9		"
13	8/7	1215 / 1222	STUNDEN	2.0	0.40	1.00		0.40		.5	7		FC50
14	8/9	1110 / 1117	WADDICOR	2.6	0.39	0.82		0.32		.5	6		FC52

DISCHARGE MEASUREMENTS OF MISSION CREEK F316-S

AT below 30" Pipe Through Flood Control Levee 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.	S. HT. CHANGE TOTAL	METER NO.
29	11/2	0917 / 0925	WADDICOR-GODFREY	9.5	7.40	0.40		3.0		.6	7		FC37
30	3/27	0600 / 0615	WADDICOR	8.0	4.06	0.71		2.9		.6	9		FC52

DISCHARGE MEASUREMENTS OF PACOIMA WASH F196-S

AT Maclay 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.	S. HT. CHANGE TOTAL	METER NO.
73	7-19	1615 / 1618	HYDE-BARR	1.6	0.16	0.88		0.14		.5	5		FC60

DISCHARGE MEASUREMENTS OF PACOIMA WASH F196-S

AT Maclay Avenue 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.	RATINGS	METHOD	MEAS. SEC. NO.	S. HT. CHANGE TOTAL	METER NO.
74	5/7	0949 / 1004	HYDE-BOWMAN	13.0	5.42	1.66	4.19	9.0		.6	14	0	FC58
75	5/7	1356 / 1405	HYDE	13.0	5.46	1.44	4.16	7.9		.6	9	0	"
76	5/8	1342 / 1400	"	14.0	7.66	1.96	4.35	15.0		.6	16	0	"

DISCHARGE MEASUREMENTS OF PALLETTE CREEK F122-S

AT NEAR Big Rock Creek 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.
222	1/4	1325 / 1333	WHISLER	1.9	0.29	0.41		0.12		SURF	8		FC59
223	1/18	1410 / 1415	"	2.2	0.33	0.64		0.21		.5	5		"
224	2/2	1349 / 1352	"	3.0	0.49	0.96		0.47		.5	5		FC5
225	2/8	1310 / 1315	"	3.0	0.53	0.85		0.45		.5	7		FC59
226	2/7	1055 / 1100	"	2.7	0.47	1.11		0.52		.5	7		"
227	2/21	1332 / 1338	"	2.7	0.54	0.96		0.52		.5	6		"
228	2/29	1057 / 1102	"	2.5	0.38	0.87		0.33		.5	6		"
229	3/7	1110 / 1118	"	2.5	0.37	0.84		0.31		.5	6		"
230	3/14	1100 / 1106	"	2.5	0.36	0.89		0.32		.5	5		"
231	3/21	1226 / 1232	SJOSTEDT-WHISLER	2.0	0.35	0.69		0.24		.5	6		"
232	3/28	1120 / 1125	WHISLER	1.4	0.18	0.78		0.14		.5	6		"
233	4/5	1448 / 1453	"	1.7	0.22	0.59		0.13		.5	6		"
234	4/11	1237 / 1242	"	1.5	0.21	0.70		0.15		.5	6		"
235	4/20	1153 / 1158	"	1.4	0.18	0.72		0.13		.5	6		"
236	5/2	1130 / 1135	"	1.3	0.19	0.74		0.14		.5	5		"
237	5/16	1405 / 1410	"	1.5	0.21	0.52		0.11		.5	5		"

DISCHARGE MEASUREMENTS OF RIO HONDO F325-S

AT NEAR below 36" Outlet Pipe 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.	S. HT. CHANGE TOTAL	METER NO.
13	10/1	0700 / 0718	WADDICOR	19.0	12.6	2.22		28.0		.6	12		FC37
14	10/2	0720 / 0730	"	19.0	12.6	2.22		28.0		.6	12		"
15	10/3	0705 / 0720	"	19.0	12.5	2.16		27.0		.6	12		"
16	10/4	0700 / 0720	"	19.5	12.6	2.22		28.0		.6	12		"
17	10/8	1250 / 1305	"	14.4	12.9	2.72		35.0		.6	11		"
18	11/2	1320 / 1332	WADDICOR-ROY	12.5	9.39	2.38		22.4		.6	13		"
19	11/7	1253 / 1314	ROY-WADDICOR	13.2	9.13	1.85		16.9		.6	11		"
20	11/9	1028 / 1045	" "	17.0	10.8	0.95		10.3		.6	11		"
21	12/13	1402 / 1417	" "	15.0	13.2	2.72		35.9		.6	9		"
22	12/13	1505 / 1520	" "	14.0	11.4	2.67		30.4		.6	11		"
23	12/14	1538 / 1550	WADDICOR-ROY	13.8	11.7	2.43		28.4		.6	11		"
24	4/1	1408 / 1420	ROY-WADDICOR	6.3	1.60	1.50		2.4		.6	10		"

DISCHARGE MEASUREMENTS OF PALLETTE CREEK F122-S

AT NEAR Big Rock Creek 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.	S. HT. CHANGE TOTAL	METER NO.
238	4/3	1005 / 1010	BOWMAN	1.2	0.14	0.71		0.10		.5	4		FC59
239	4/10	1415 / 1420	WHISLER	1.6	0.19	0.63		0.12		.5	5		"
240	4/17	1325 / 1330	"	1.4	0.16	0.56		0.09		.5	5		"
241	4/24	1350 / 1358	"	1.6	0.18	0.50		0.09		.5	5		"
242	5/1	1402 / 1406	"	1.6	0.18	0.50		0.09		.5	5		"

DISCHARGE MEASUREMENTS OF RIO HONDO BY-PASS CHANNEL - AT CONTRACTORS HAUL ROAD F315-S

AT NEAR above Rio Hondo 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.
22	12/28	1308 / 1325	WADDICOR	TWO CHANNELS				0.66		.5	13		FC37

DISCHARGE MEASUREMENTS OF RIO HONDO (WHITTIER NARROWS DAM) F325-S

AT NEAR below 36" outlet pipe 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.
1	12/20	1020 / 1040	WADDICOR	12.2	7.42	0.62		4.6		.6	15		FC37
2	12/20	1130 / 1150	"	13.3	10.7	1.46		15.6		.6	15		"
3	12/20	1250 / 1310	"	13.6	12.9	2.00		25.8		.6	16		"
4	12/20	1353 / 1418	"	14.6	13.3	2.22		29.5		.6	20		"
5	12/20	1503 / 1517	"	14.8	13.9	2.26		31.4		.6	16		"
6	12/20	1600 / 1622	"	14.5	13.3	24.6		32.7		.6	17		"
7	2/9	0946 / 0957	"	5.50	2.15	1.21		2.6		.6	12		"
8	9/22	1015 / 1025	WADDICOR-ROY	11.8	6.19	0.78		4.8		.5	10		"
9	9/23	1240 / 1252	WADDICOR	12.8	8.81	1.20		10.6		.6	9		"
10	9/24	1307 / 1320	WADDICOR-ROY	12.0	8.52	1.44		12.3		.6	11		"
11	9/25	1345 / 1400	WADDICOR	12.4	9.11	1.49		13.6		.6	11		"
12	9/27	0730 / 0745	WADDICOR-ROY	14.5	12.0	1.83		22.0		.6	10		"

DISCHARGE MEASUREMENTS OF SAN DIMAS CREEK F101-S

AT NEAR Toe of 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.	RATING	METHOD	MEAS. SEC. NO.	S. HT. CHANGE TOTAL	METER NO.
55	10/11	1530	MIDDLETON					3.6		3' CIPOLLETTI			WEIR
56	1/31	1055	MIDDLETON-LANPHEAR					2.4		"			
57	4/7	0950	MIDDLETON				0.15	0.59		"	0		
58	4/9	0745	"				0.13	0.47		"	0		
59	4/19	1100 / 1110	MIDDLETON-ROYSTON	2.6	0.97	0.84	0.15	0.81		.6	8	0	FC49
60	4/20	0810 / 0818	MIDDLETON	2.9	1.06	0.84	0.15	0.89		.6	7	0	"
61	4/20	0820 / 0828	"	2.9	1.06	0.75	0.15	0.80		.6	7	0	FC54
62	4/20	0902 / 0910	"	2.7	0.94	0.70	0.13	0.66		.6	8	0	"
63	4/20	0915 / 0923	"	2.7	0.94	0.77	0.13	0.72		.6	8	0	FC49
64	5/1	0948 / 1000	MIDDLETON	2.7	0.98	0.68	0.13	0.67		.6	9	0	"
65	5/31	1556 / 1608	"	2.4	0.98	0.62	0.13	0.61		.6	8	0	"
66	7/26	1300 / 1315	MIDDLETON-ROYSTON	3.8	2.98	1.95		5.8		.6	9		FC54
67	8/2	1200 / 1216	SADDORIS	3.4	2.94	1.90		5.6		.6	10		FC52
68	8/9	1020 / 1030	"	3.4	2.80	2.07		5.8		.6	8		FC54
69	8/16	1115 / 1125	MIDDLETON-ROYSTON	3.8	2.86	2.03		5.8		.6	10		"
70	8/23	0950 / 1010	" "	3.6	2.55	2.20		5.6		.6	10		"
71	8/30	1300 / 1315	FALCONE-MIDDLETON	3.6	2.26	2.30		5.2		.6	10		"

DISCHARGE MEASUREMENTS OF SAN DIMAS CREEK F101-S

AT NEAR Toe of San Dimas Dam 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.	S. HT. CHANGE TOTAL	METER NO.
72	12/13	1140	FALCONE-MIDDLETON				0.38	2.37		3' CIPOLLETTI			WEIR
73	4/17	1045	MIDDLETON-SARASUA				0.46	3.15		"	"	"	"
74	5/3	1045	MIDDLETON				0.32	1.8		"	"	"	"
75	5/9	1045	"				0.31	1.7		"	"	"	"
76	5/16	0940 / 0950	MIDDLETON-SARASUA	2.7	1.38	1.16	0.24	1.6		.6	10	0	FC49H
77	5/23	1320 / 1332	SARASUA-MIDDLETON	3.0	1.61	1.12	0.26	1.8		.6	9	0	"
78	5/29	1325 / 1335	MIDDLETON-SARASUA	3.0	1.44	1.25		1.8		.6	7	0	"
79	6/6	1330 / 1340	SARASUA	2.3	0.93	0.62	0.16	0.58		.6	6	0	FC43
80	6/13	1230 / 1245	"	2.5	1.35	0.66	0.16	0.99		.6	6	0	FC49H
81	6/20	1225 / 1235	"	2.8	1.47	0.88	0.21	1.3		.6	10	0	"
82	6/27	1200 / 1210	"	2.0	1.24	0.81	0.18	1.0		.6	5	0	"
83	7/3	1055	MIDDLETON					5.0		3' CIPOLLETTI			WEIR
84	7/10	1605	"					3.8		"	"	"	"

DISCHARGE MEASUREMENTS OF SANDROCK CREEK F289-S

AT NEAR Pearblossom Highway 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.
113	1/18	1305 / 1310	WHISLER	0.75	0.09	0.56		0.05		.5	5		FC59
114	2/8	1114 / 1116	"	1.4	0.14	0.64		0.09		.5	7		"
115	2/15	1336 / 1342	"	1.4	0.20	0.75		0.15		.5	6		"
116	3/7	1232 / 1240	"	1.2	0.23	0.91		0.21		.5	6		"
117	3/14	1210 / 1218	"	1.2	0.34	0.76		0.26		.5	6		"
118	3/21	1410 / 1415	SJOSTEDT-WHISLER	1.2	0.25	0.68		0.17		.5	6		"
119	3/28	1338 / 1342	WHISLER	1.2	0.31	0.68		0.21		.5	6		"
120	4/5	1335 / 1340	"	1.2	0.30	0.67		0.20		.5	5		"
121	4/11	1335 / 1340	"	1.2	0.27	0.78		0.21		.5	6		"
122	4/20	1347 / 1352	"	1.2	0.22	0.82		0.18		.5	7		"
123	5/2	1245 / 1250	"	1.2	0.20	0.75		0.15		.5	6		"
124	5/16	1240 / 1245	"	1.3	0.27	0.74		0.20		.5	6		"
125	5/31	1316 / 1319	"	1.3	0.26	0.62		0.16		.5	6		"
126	6/13	1308 / 1312	SJOSTEDT-WHISLER	1.2	0.26	0.46		0.12		.5	6		"
127	6/27	1310 / 1315	SJOSTEDT	1.2	0.25	0.40		0.10		.5	6		"
128	7/11	1415 / 1420	"	1.2	0.27	0.28		0.75		.5	6		"
129	7/25	1335 / 1340	WHISLER	1.2	0.24	0.29		0.07		.5	6		"
130	8/8	1150 / 1155	"	1.2	0.22	0.18		0.04		.5	6		"
131	8/22	1244 / 1248	"	1.2	0.20	0.15		0.03		.5	5		"
132	9/5	1150 / 1154	"	1.10	0.14	0.11		0.02		.5	5		"
133	9/19	1114 / 1118	"	0.80	0.09	0.10		0.01		.5	5		"

DISCHARGE MEASUREMENTS OF SANDROCK CREEK F289-S

AT NEAR Pearblossom Highway DURING THE YEAR ENDING SEPTEMBER 30, 1957

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.
134	10-3	1417 / 1420	WHISLER	0.9	0.08	0.12		0.01		.5	5		FC59
135	10/17	1110 / 1114	"	0.8	0.08	0.09		0.01		.5	5		"
136	10/31	1300 / 1305	WHISLER-HENSLEY	0.8	0.09	0.16		0.01		.5	5		"
137	11/14	1240 / 1245	WHISLER-STUNDEN	1.0	0.12	0.17		0.02		.5	4		"
138	11/28	1244 / 1248	WHISLER	1.0	0.12	0.25		0.03		.5	5		"
139	12/12	1400 / 1405	"	1.2	0.20	0.30		0.06		.5	6		"
140	12/26	1124 / 1127	"	1.1	0.18	0.22		0.04		.5	5		"
141	1/9	1317 / 1323	WHISLER-BOWMAN	1.2	0.20	0.10		0.02		.5	7		"
142	1/16	1122 / 1126	WHISLER	1.2	0.22	0.27		0.06		.5	6		"
143	1/23	1120 / 1122	"	1.3	0.21	0.24		0.05		.5	5		"
144	1/30	1436 / 1440	WHISLER-BROOK	1.2	0.20	0.25		0.05		.5	5		"
145	2/6	1158 / 1202	WHISLER	1.5	0.24	0.25		0.06		.5	6		"
146	2/13	1336 / 1340	"	1.5	0.26	0.23		0.06		.5	6		"
147	2/20	1200 / 1203	WHISLER-BROOK	1.5	0.27	0.23		0.06		.5	6		"
148	2/27	1345 / 1348	WHISLER-MC BRIDE	1.5	0.28	0.19		0.05		.5	6		"
149	3/7	1202 / 1206	WHISLER	1.5	0.34	0.29		0.10		.5	7		"
150	3/13	1315 / 1320	"	1.5	0.43	0.26		0.11		.5	7		"
151	3/20	1320 / 1325	"	1.5	0.41	0.34		0.14		.5	6		"
152	3/27	1130 / 1136	"	1.7	0.31	0.71		0.22		.5	7		"
153	4/2	1450 / 1455	BOWMAN	1.8	0.31	0.52		0.16		.5	4		"
154	4/10	1255 / 1258	WHISLER	2.0	0.39	0.69		0.27		.5	5		"
155	4/17	1151 / 1155	"	1.9	0.3	0.77		0.23		.5	5		"
156	4/24	1133 / 1136	"	2.0	0.32	0.69		0.22		.5	5		"
157	5/1	1308 / 1312	"	2.0	0.31	0.65		0.20		.5	5		"
158	5/8	1408 / 1412	"	2.10	0.33	0.64		0.21		.5	6		"
159	5/15	1328 / 1332	"	2.0	0.34	0.59		0.20		.5	5		"
160	5/22	1347 / 1350	"	2.0	0.33	0.55		0.18		.5	5		"
161	5/28	1244 / 1247	"	2.0	0.31	0.50		0.16		.5	5		"
162	6/5	1355 / 1400	BOWMAN-WHISLER	2.0	0.32	0.38		0.12		.5	5		"
163	6/12	1323 / 1327	WHISLER	1.8	0.35	0.34		0.12		.5	6		"
164	6/19	1140 / 1143	"	2.0	0.30	0.37		0.11		.5	5		"
165	6/26	1330 / 1335	BOWMAN	1.5	0.20	0.30		0.06		.5	5		"
166	7/10	1235 / 1240	"	1.2	0.13	0.23		0.03		.5	5		"
167	7/24	1050 / 1052	WHISLER	1.3	0.10	0.30		0.03		.5	4		"
168	8/7	1135 / 1137	WHISLER-REISTAR	1.2	0.06	0.20		0.01		.5	4		"
169	8/21	1113 / 1115	WHISLER	1.0	0.04	0.18		0.007		.5	3		"

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER F208-S

AT NEAR below Morris Dam 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.
36	10/14	0850 / 0900	STUNDEN	CHANNELS				1.0		.5	7		FC50
37	9/30	1010 / 1050	HOLLERON-STUNDEN	18.5	37.3	1.37		51.1		.6 .5 .6	13		FC34

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER F208-S

AT NEAR below Morris Dam DURING THE YEAR ENDING SEPTEMBER 30, 1957

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.
38	10/1	1250 / 1320	HOLLERON	18.5	35.9	1.32		48.9		.6 .5 .6	13		FC34
39	10/1	1340 / 1405	"	18.5	38.0	1.22		46.3		.6 .5 .6	12		"
40	10/2	1400 / 1430	"	18.3	36.2	1.21		43.8		.6 .5 .6	20		"
41	10/5	0810 / 0900	"	18.3	34.5	1.30		44.9		.6 .5 .6	20		"
42	10/11	1225 / 1255	"	18.5	35.0	1.29		45.3		.6 .5 .6	20		"
43	10/18	1245 / 1335	"	18.5	35.3	1.28		45.0		.6 .5 .6	20		"
44	10/25	1220 / 1315	HOLLERON-FALCONE	18.3	35.2	1.30		45.6		.6 .5 .6	20		"
45	11/1	1310 / 1350	HOLLERON	18.6	36.0	1.27		45.8		.6 .5 .6	20		"
46	11/8	1250 / 1335	"	18.5	34.5	1.30		44.9		.6 .5 .6	20		"
47	12/6	1320 / 1330	"					0.13		FLOATS VOL.			

DISCHARGE MEASUREMENTS OF SAN GABRIEL - MAIN SPREADING CANAL F100-S

AT NEAR 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.
62	10/6	0910 / 0925	STUNDEN	8.2	5.73	1.99		11.4		.6	11		FC50
63	10/14	0925 / 0940	"	8.5	6.92	2.21		15.3		.6	11		"
64	10/20	1030 / 1045	STUNDEN-JONES	8.5	6.98	2.66		18.6		.6	10		FC36
65	10/27	1045 / 1055	STUNDEN	8.5	7.71	3.0		23.2		.6	10		"
66	11/17	0910 / 0925	"	8.4	7.01	2.57		18.0		.6	9		"
67	11/12	1050 / 1102	"	8.3	6.32	2.90		18.3		.6	10		"
68	11/30	0825 / 0840	"	8.2	6.08	3.14		19.1		.6	10		"
69	12/8	1025 / 1040	"	8.2	4.10	1.46		6.0		.5	10		FC50
70	12/21	0825 / 0840	"	8.2	3.91	1.15		4.5		.6	10		"
71	12/29	0945 / 0955	STUNDEN-FALCONE	8.3	5.72	1.78		10.2		.6	10		"
72	1/4	0920 / 0935	STUNDEN	8.2	5.79	1.76		10.2		.6	10		"
73	1/12	0830 / 0845	"	8.2	4.99	1.58		7.9		.6	10		"
74	1/19	0900 / 0909	STUNDEN-PHENIX	8.2	5.28	1.61		8.5		.6	10		"
75	2/1	1512 / 1520	STUNDEN	CHANNELS				59.6		.6	10		FC36
76	2/9	0935 / 0950	"	"				56.0		.6	8		"
77	2/9	0955 / 1005	"	"				8.5		.6	8		"
78	2/16	0745 / 0805	SADDORIS	11.0	12.3	3.02		37.1		.6	12		FC26
79	2/23	0835 / 0845	STUNDEN	CHANNELS				32.8		.5 .6	9		FC36
80	2/23	0850 / 0900	"	"				3.2		.5 .6	8		"
81	3/1	1055 / 1100	"	"				37.5		.6	10		"
82	3/8	0900 / 0915	"					26.7		.6	10		"
83	3/15	1125 / 1135	STUNDEN-SJOSTEDT	8.5	7.55	3.30		24.9		.6	11		"
84	3/22	0935 / 0945	STUNDEN	8.2	3.81	1.52		5.8		.6	10		"
85	3/29	1035 / 1050	"	8.0	3.94	1.50		5.9		.6	10		"
86	4/5	0900 / 0910	"	8.2	3.61	1.11		4.0		.5 .6	9		FC50
87	4/12	1235 / 1250	"	8.5	5.74	1.65		9.5		.6	10		FC36
88	4/19	0955 / 1010	"	CHANNELS				20.2			10		"
89	4/25	1100 / 1115	"	"				21.7					"
90	5/3	0805 / 0821	SADDORIS	11.2	9.10	2.52		22.9		.6	13		FC26
91	5/9	1145 / 1200	STUNDEN	11.0	9.62	1.48		14.2		.6	11		FC36
92	5/17	0925 / 0940	"	8.5	6.82	2.60		17.7		.6	10		"
93	5/23	1030 / 1050	"	CHANNELS				20.2		.6	17		"
94	5/31	0750 / 0805	"	8.5	6.47	2.50		16.2		.5 .6	10		"
95	6/7	0830 / 0845	"	8.5	6.78	2.15		14.6		.6	8		"
96	6/14	1145 / 1155	HOLLERON-STUNDEN	8.2	6.30	1.89		11.9		.6	9		FC12
97	6/21	1100 / 1115	STUNDEN	8.5	5.23	1.76		9.2		.6	12		FC50

DISCHARGE MEASUREMENTS OF SANTA MONICA CREEK F272-S

AT NEAR above Rustic 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.	G. HT. CHANGE TOTAL	METER NO.
485	10/6	1210 / 1215	DE MARS - SCOTT	2.75	0.59	1.37		0.81		.5	7		FC48
486	10/13	1140 / 1146	DE MARS	3.2	0.80	1.18		0.94		.5	8		"
487	10/20	1123 / 1130	"	2.7	0.50	1.46		0.73		.5	7		"
488	10/27	1322 / 1330	"	2.9	0.46	1.30		0.60		.5	7		"
489	11/3	1120 / 1125	"	2.5	0.41	1.44		0.59		.5	7		"
490	11/10	1330 / 1340	"	4.5	0.97	0.86		0.84		.5	10		"
491	11/17	1457 / 1502	DE MARS - CAIRE	3.9	0.87	1.07		0.93		.5	6		"
492	11/23	1130 / 1137	DE MARS	4.1	1.12	0.62		0.69		.5	6		"
493	12/1	1130 / 1141	"	3.9	1.20	0.50		0.60		.5	9		"
494	12/8	1115 / 1125	"	3.5	0.73	0.79		0.58		.5	8		"
495	12/15	1125 / 1135	"	3.3	0.68	0.84		0.57		.5	7		"
496	12/22	1305 / 1316	"	3.3	0.76	0.58		0.44		.5	9		"
497	12/29	1340 / 1345	"	3.5	0.53	1.34		0.71		.5	8		"
498	1/6	1130 / 1140	"	3.5	0.47	1.04		0.49		.5	8		"
499	1/12	1100 / 1107	DE MARS	3.6	0.85	0.73		0.62		.5	6		"
500	1/19	1355 / 1400	"	3.7	0.63	0.97		0.61		.5	8		"
501	2/2	1034 / 1043	FALCONE - DE MARS	4.0	1.14	1.23		1.4		.5	7		"
502	2/9	1245 / 1252	HOLLERON - DE MARS	2.2	0.68	1.10		0.75		.5	6		"
503	2/16	1325 / 1334	" "	3.3	0.75	1.33		1.0		.5	8		"
504	2/24	1222 / 1229	" "	3.7	0.65	1.22		0.79		.5	7		FC56
505	3/1	1218 / 1226	" "	3.7	0.60	1.67		1.0		.5	9		FC48
506	3/8	1555 / 1604	HOLLERON	3.8	0.56	1.71		0.96		.5	9		"
507	3/15	1203 / 1212	"	3.5	0.48	1.46		0.70		.5	8		"
508	3/22	1625 / 1635	HOLLERON - LINDSAY	4.9	0.83	1.44		1.2		.5	11		"
509	3/29	0830 / 0845	HOLLERON	4.1	0.91	1.32		1.2		.5	11		"
510	4/5	1404 / 1416	"	3.9	0.85	1.29		1.1		.5	9		"
511	4/19	1400 / 1412	"	3.2	0.64	1.72		1.1		.5	8		"
512	5/3	1125 / 1140	"	3.5	0.71	1.97		1.4		.5	10		"
513	5/10	1327 / 1335	"	2.9	0.64	1.88		1.2		.5	7		"
514	5/17	1112 / 1120	"	3.0	0.80	1.38		1.1		.5	7		"
515	5/24	1105 / 1117	"	3.0	0.77	1.69		1.3		.5	8		"
516	5/31	1150 / 1200	"	3.5	0.85	1.53		1.3		.5	9		"
517	6/7	1340 / 1350	"	3.8	0.96	1.35		1.3		.5	7		"
518	6/13	1200 / 1210	"	4.2	0.85	1.29		1.1		.5	9		"
519	6/20	1300 / 1312	"	4.3	0.84	1.43		1.2		.5	8		"
520	6/27	1215 / 1225	"	4.2	0.73	1.51		1.1		.5	7		"
521	7/11	1110 / 1120	"	4.0	0.81	1.36		1.1		.5	9		"
522	7/19	1220 / 1230	"	4.0	0.70	1.57		1.1		.5	9		"
523	7/26	1025 / 1035	HOLLERON - BOWMAN	4.1	0.87	1.38		1.2		.5	10		"
524	8/2	1340 / 1350	HOLLERON	3.7	0.81	1.48		1.2		.5	9		"
525	8/8	1120 / 1128	"	3.8	0.92	1.30		1.2		.5	9		"
526	8/15	1140 / 1150	HOLLERON - SADDORIS	3.5	0.87	1.49		1.3		.5	9		"
527	8/30	1228 / 1235	SJOSTEDT	2.4	0.58	1.90		1.1		.5 .6	7		"
528	9/13	1202 / 1210	"	3.0	0.51	2.0		1.0		.5	7		FC50
529	9/20	1213 / 1220	"	3.0	0.46	1.93		0.89		.5	7		"
530	9/27	1142 / 1150	FALCONE - SJOSTEDT	3.0	0.45	1.80		0.81		.5	9		"

DISCHARGE MEASUREMENTS OF SAN GABRIEL - MAIN SPREADING CANAL F100-S

AT NEAR Mouth of 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.	G. HT. CHANGE TOTAL	METER NO.
112	1/17	1605 / 1625	HOLLERON	13.8	19.5	2.44		47.5		.6	15		FC34
113	1/24	1520 / 1540	HENSLEY - HOLLERON	13.3	17.0	2.17		36.9		.6	14		"
114	1/31	1525 / 1540	HOLLERON	13.5	17.2	2.19		37.6		.6	14		"
115	2/13	0912 / 0932	"	13.9	17.0	2.48	3.13	42.2		.6	15	0	"
116	2/21	1605 / 1630	MC BRIDE - HOLLERON	13.5	16.9	2.44	2.12	41.3		.6	14	0	"
117	3/7	1520 / 1535	HOLLERON		CHANNELS		2.17	48.7		.6	15	0	"
118	4/4	1506 / 1524	"	12.4	11.3	1.73	1.69	19.5		.6	12	0	FC56
119	4/11	1445 / 1503	MC BRIDE - HOLLERON	11.5	7.96	1.01	1.34	8.0		.6	13	0	"
120	4/18	1609 / 1625	HOLLERON	12.2	11.1	1.50	1.68	16.7		.6	12	0	"
121	4/25	1550 / 1608	"	13.0	14.0	2.07	1.89	29.0		.8	13	+.01	"
122	5/9	1430 / 1444	"	11.7	8.10	0.98	1.37	7.9		.6	12	0	"
123	5/23	1602 / 1610	"	2.9	0.36	0.28	0.65	0.10		.5	7	0	FC48
124	8/29	1545 / 1559	"	8.2	4.07	1.01	1.16	4.1		.5	10		"

DISCHARGE MEASUREMENTS OF SAN JOSE CREEK F306-S

AT NEAR Nogales 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.
6	4/20	1504 / 1516	MIDDLETON	7.0	2.59	2.01		5.2		.6	10		FC54
7	5/17	1252 / 1308	"	6.0	2.01	1.74		3.5		.6	12		"

DISCHARGE MEASUREMENTS OF SAN JOSE CREEK F306-S

AT NEAR Nogales Avenue 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.	G. HT. CHANGE TOTAL	METER NO.
8	5/22	1525 / 1535	SARASUA - MIDDLETON	9.0	3.27	1.77		5.8		.6	10		FC43
9	6/12	1345 / 1355	SARASUA	3.5	0.48	0.80		0.38		.5	8		FC49
10	6/27	1430 / 1445	"	4.5	1.45	1.38		2.0		.6	10		"

DISCHARGE MEASUREMENTS OF SANTA MONICA CREEK F272-S

AT NEAR above Rustic 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.	G. HT. CHANGE TOTAL	METER NO.
531	10/11	1607 / 1615	SJOSTEDT	2.2	0.49	1.43		0.70		.5 .6	6		FC50
532	10/18	1330 / 1340	"	2.0	0.51	1.63		0.83		.5 .6	7		"
533	10/25	1455 / 1503	"	2.0	0.63	0.95		0.60		.5 .6	7		"
534	11/1	1520 / 1530	"	2.0	0.65	0.95		0.62		.5 .6	7		"
535	11/8	1520 / 1530	"	2.0	0.69	1.01		0.70		.5 .6	7		"

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.
536	11/15	1520 / 1530	SJOSTEDT	2.0	0.78	0.82		0.64		.5 / .6	7		FC50
537	11/29	1540 / 1548	"	2.0	0.74	0.92		0.68		.5	5		"
538	12/6	1522 / 1530	"	2.5	0.45	1.27		0.57		.5	6		"
539	12/13	1530 / 1540	"	2.2	0.31	1.26		0.39		.5	6		"
540	1/10	1431 / 1440	"	3.0	0.60	1.27		0.76		.5	7		"
541	1/17	1540 / 1545	"	2.0	0.34	2.12		0.72		.5	5		"
542	1/31	1415 / 1425	WOOD-SJOSTEDT	4.3	0.63	1.13		0.71		.5	7		"
543	2/7	1440 / 1450	SJOSTEDT	4.2	0.53	1.06		0.56		.5	7		"
544	2/14	1505 / 1510	"	4.0	0.48	1.12		0.54		.5	6		"
545	2/21	1418 / 1425	"	3.5	0.56	1.21		0.68		.5	8		"
546	3/7	1538 / 1545	"	2.0	0.39	1.79		0.70		.5	6		"
547	3/21	1545 / 1555	MC BRIDE-SJOSTEDT	3.2	0.51	1.41		0.72		.5	5		"
548	4/4	1500 / 1505	SJOSTEDT	3.0	0.42	0.34		0.82		.5	5		"
549	4/11	1605 / 1610	"	3.0	0.36	1.56		0.56		.5	5		"
550	4/18	1547 / 1555	"	3.0	0.44	1.98		0.87		.5	7		"
551	5/2	1510 / 1515	"	2.5	0.41	1.95		0.80		.5	6		"
552	5/16	1525 / 1532	BROOK-SJOSTEDT	2.7	0.50	1.86		0.93		.5	7		"
553	2/29	1600 / 1605	SJOSTEDT	3.0	0.41	1.49		0.61		.5	5		"
554	6/20	1430 / 1440	SJOSTEDT-STUNDEN	3.2	0.47	1.61		0.76		.5	6		"

DISCHARGE MEASUREMENTS OF SANTA MONICA CREEK F272-S

AT above Rustic Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1957

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.
555	6/27	1430 / 1440	WOOD-SJOSTEDT	3.70	0.50	1.78		0.89		.5	8		FC50
556	7/5	1547 / 1555	WOOD	3.30	0.66	1.51		1.10		.5	8		"
557	7/11	1425 / 1435	SJOSTEDT	2.40	0.48	1.81		0.87		.5	7		"
558	7/18	1515 / 1520	"	2.20	0.40	1.45		0.58		.5	7		"
559	7/25	1515 / 1525	"	2.00	0.33	2.24		0.74		.5	5		"
560	8/1	1610 / 1620	"	2.00	0.37	1.81		0.67		.5	5		"
561	8/8	1515 / 1520	WOOD	3.30	0.80	1.20		0.97		.5	6		"
562	8/22	1335 / 1345	SJOSTEDT	3.00	0.63	1.35		0.85		.5	7		"
563	8/29	1440 / 1445	"	3.00	0.57	1.17		0.67		.5	7		"
564	9/5	1410 / 1415	"	2.00	0.35	1.91		0.67		.5	5		"
565	9/12	1440 / 1445	ROY-SJOSTEDT	2.50	0.44	1.41		0.62		.5	6		"
566	9/26	1157 / 1204	WOOD	2.50	0.88	0.92		0.81		.5	6		"

DISCHARGE MEASUREMENTS OF SANTA MONICA CREEK F55-S

AT below Rustic 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.
544	10/6	1229 / 1235	DE MARS-SCOTT	COMPOSITE				1.3		.5	9		FC48
545	10/13	1155 / 1205	DE MARS	"				1.4		.5	6		"
546	10/20	1100 / 1105	"	"				1.3		.5	7		"
547	10/27	1300 / 1311	"	"				1.1		.5	8		"
548	11/3	1105 / 1108	"	"				1.1		.5	5		"
549	11/10	1307 / 1315	"	"				1.2		.5	7		"
550	11/17	1515 / 1521	DE MARS-CAIRE	"				1.5		.5	8		"
551	11/23	1155 / 1201	DE MARS	"				1.3		.5	6		"
552	12/1	1205 / 1215	"	"				1.2		.5	8		"
553	12/8	1135 / 1142	"	"				1.1		.5	8		"
554	12/15	1145 / 1152	"	"				1.1		.5	8		"
555	12/22	1250 / 1255	"	"				1.0		.5	8		"
556	12/29	1315 / 1322	"	"				1.3		.5	8		"
557	1/5	1115 / 1122	"	"				1.1		.5	8		"
558	1/12	1040 / 1046	"	"				1.2		.5	8		"
559	1/19	1330 / 1338	"	"				1.2		.5	8		"
560	2/2	1055 / 1110	FALCONE-DE MARS	"				4.4		.5	9		"
561	2/9	1305 / 1317	HOLLERON-DE MARS	"				2.3		.5	10		"
562	2/16	1257 / 1307	" "	"				2.6		.5	10		"
563	2/24	1149 / 1159	DE MARS-HOLLERON	"				2.2		.5	8		FC56
564	3/1	1243 / 1259	HOLLERON-DE MARS	"				2.6		.5	8		FC48
565	3/8	1524 / 1533	HOLLERON	"				2.3		.5	9		"
566	3/15	1147 / 1152	"	"				1.8		.5	8		"

DISCHARGE MEASUREMENTS OF SANTA MONICA CREEK F55-S

AT below Rustic Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1957

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.
567	1/31	1435 / 1442	WOOD-SJOSTEDT	4.0	0.61	1.64		1.0		.5	6		FC50

DISCHARGE MEASUREMENTS OF STODDARD CREEK F324-S

AT above San Antonio 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.
1	1/25	2000 / 2006	MIDDLETON-LAMPHEAR	5.0	1.65	1.70		2.8		.6	6		FC54
2	1/25	2315 / 2322	" "	3.5	1.00	1.65		1.6		.6	7		"
3	1/26	0850 / 0858	" "	7.8	4.36	4.13		18.0		.6	9		"
4	4/12	1542 / 1548	MIDDLETON	2.0	0.44	1.66		0.73		.6	6		FC49

DISCHARGE MEASUREMENTS OF STODDARD CREEK F324-S

AT above San Antonio Creek DURING THE YEAR ENDING SEPTEMBER 30, 1957

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.
5	1/12	2345 / 2353	MIDDLETON-MC BRIDE	6.0	2.40	2.25	0.18	5.4		.6	7	0	FC54
6	1/13	0505 / 0515	" "	12.0	5.71	3.76	0.42	21.5		.6	12	0	"
7	1/13	1550 / 1555	TREAT-MIDDLETON	2.5	0.66	0.85	0.04	0.56		.5	6	0	"
8	1/26	0822 / 0830	MIDDLETON	2.7	0.61	1.39	0.05	0.85		.6	7	0	FC49
9	2/23	0700 / 0706	"	4.2	1.68	3.20		5.4		.6	6		FC54
10	2/23	0910 / 0918	"	4.0	1.06	1.68		1.8		.6	7		"
11	3/1	0050 / 0100	MIDDLETON-BROOK	6.0	1.94	2.18	0.14	4.2		.6	7	0	"
12	3/1	1420 / 1428	BROOK-MIDDLETON	2.0	0.39	0.77	0.04	0.30		.6	6	0	FC49
13	3/16	0950 / 0955	MIDDLETON-STUNDEN	3.0	0.71	0.89		0.63		.6	7		"

DISCHARGE MEASUREMENTS OF VALYERMO RANCH SPRINGS CREEK F291-S

AT Pearblossom Highway 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.
189	10/11	1140	WHISLER	90° "V" NOTCH		WEIR	0.18	0.04				0	
190	10/27	1005	TURNER-SCOTT	"	"	"	0.21	0.05				0	
191	11/9	1230	WHISLER	"	"	"	0.22	0.06				0	
192	11/23	1235	"	"	"	"	0.28	0.11				0	
193	12/7	1310	"	"	"	"	0.37	0.14				0	
194	12/21	1250	"	"	"	"	0.30	0.13				0	
195	1/4	1125	"	"	"	"	0.38	0.23				0	
196	1/18	1315	"	"	"	"	0.30	0.13				0	
197	2/8	1220	"	"	"	"	0.30	0.13				0	
198	2/15	1330	"	"	"	"	0.37	0.22				0	
199	2/21	1240	"	"	"	"	0.27	0.10				0	
200	2/29	1235	"	"	"	"	0.27	0.10				0	
201	3/7	1220	"	"	"	"	0.27	0.10				0	
202	3/14	1210	"	"	"	"	0.30	0.13				0	
203	3/21	1402	"	"	"	"	0.30	0.13				0	
204	3/28	1305	"	"	"	"	0.30	0.13				0	
205	4/5	1345	"	"	"	"	0.26	0.09				0	
206	4/11	1315	"	"	"	"	0.25	0.08				0	
207	4/20	1325	"	"	"	"	0.25	0.08				0	
208	5/2	1220	"	"	"	"	0.23	0.07				0	
209	5/16	1310	"	"	"	"	0.22	0.06				0	
210	5/31	1330	"	"	"	"	0.15	0.02				0	
211	6/13	1245	WHISLER-SJOSTEDT	"	"	"	0.13	0.16				0	
212	7/25	1320	WHISLER	"	"	"	0.11	0.01				0	
213	8/22	1235	"	"	"	"	0.18	0.04				0	
214	9/5	1205	"	"	"	"	0.15	0.02				0	
215	9/19	1105	"	"	"	"	0.11	0.01				0	

DISCHARGE MEASUREMENTS OF VALYERMO RANCH SPRINGS CREEK F291-S

AT Pearblossom Highway 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.	G. HT. CHANGE TOTAL	METER NO.
216	10/2	1410	WHISLER	90°	"V"	NOTCH	0.13	0.02					
217	10/17	1105	"	"	"	"	0.17	0.03					
218	10/31	1255	"	"	"	"	0.20	0.05					
219	11/14	1250	WHISLER-STUNDEN	"	"	"	0.20	0.05					
220	11/28	1240	WHISLER	"	"	"	0.22	0.06					
221	12/12	1350	"	"	"	"	0.23	0.07					
222	12/26	1120	"	"	"	"	0.23	0.07					
223	1/9	1335	WHISLER-BOWMAN	"	"	"	0.41	0.28					
224	1/23	1130	"	"	"	"	0.37	0.22					
225	1/23	1130	"	"	"	"	0.29	0.12					
226	1/30	1445	WHISLER-BROOK	"	"	"	0.28	0.11					
227	2/6	1208	WHISLER	"	"	"	0.35	0.19					
228	2/13	1400	"	"	"	"	0.28	0.11					
229	2/20	1155	WHISLER-BROOK	"	"	"	0.32	0.15					
230	2/27	1355	WHISLER-MC BRIDE	"	"	"	0.27	0.10					
231	3/7	1128	WHISLER	"	"	"	0.35	0.19					
232	3/13	1208	"	"	"	"	0.30	0.13					
233	3/20	1315	"	"	"	"	0.23	0.07					
234	3/27	1123	"	"	"	"	0.22	0.06					
235	4/2	1510	BOWMAN	"	"	"	0.20	0.05					
236	4/10	1320	WHISLER	"	"	"	0.19	0.04					
237	4/17	1235	"	"	"	"	0.25	0.08					
238	4/24	1320	"	"	"	"	0.20	0.05					

DISCHARGE MEASUREMENTS OF WALNUT WASH F333-S

AT Citrus Avenue 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.	G. HT. CHANGE TOTAL	METER NO.
1	3/29	0923 / 0934	HOLLERON-WOOD	25.6	24.5	3.83	2.52	93.9		.6	9	+.28	FC56
2	3/29	0943 / 1005	WOOD-HOLLERON	25.6	35.4	5.67	2.86	201.		.6	14	+.05	"
3	3/29	1010 / 1031	HOLLERON-WOOD	25.6	35.5	5.43	2.88	193.		.6	15	0	"
4	3/29	1058 / 1119	WOOD-HOLLERON	25.6	35.5	5.86	2.94	206.		.6	14	+.12	"

RISING WATER AT WHITTIER NARROWS

THIS IS A COMPUTED DISCHARGE DETERMINED WEEKLY, EXCEPT WHEN THERE IS BANK RUNOFF DURING STORMS, FROM DISCHARGE MEASUREMENTS BY THE FORMULA:

$$S = A + B - (D + X) + N + O - Q$$

S = THE RISING WATER AT WHITTIER NARROWS, IN SECOND-FEET

A = THE MEASURED DISCHARGE AT STATION F64-R. RIO HONDO 1000 FEET ABOVE MISSION BRIDGE

B = THE MEASURED DISCHARGE AT STATION F83-R MISSION CREEK (FORMERLY RIO HONDO SLOUGH) AT SAN GABRIEL BOULEVARD

D = THE MEASURED DISCHARGE OF THE RIO HONDO ABOVE RISING WATER

X = ADDITIONAL FLOW AT VARIOUS LOCATIONS

N = THE MEASURED DISCHARGE AT STATION F85-S STANDEFER DITCH BELOW HEADGATE

O = THE MEASURED DISCHARGE AT STATION F86-S SAN GABRIEL RIVER BELOW STANDEFER DITCH.

Q = THE MEASURED DISCHARGE OF SAN GABRIEL RIVER ABOVE RISING WATER

NO LONGER APPLIED

I = THE MEASURED DISCHARGE OF TEMPLE DITCH

J = THE MEASURED DISCHARGE OF RINCON DITCH

K = THE MEASURED DISCHARGE AT STATION F84-S CATE DITCH BELOW SLUICE GATE

L = THE MEASURED, OR ESTIMATED, DISCHARGE FROM THE CATE DITCH WELL

FOR THE PURPOSE OF DETERMINING THE MONTHLY AND YEARLY RUNOFF, STRAIGHT LINE VARIATION IN FLOW BETWEEN MEASUREMENTS HAS BEEN ASSUMED. INCLUDED HEREWITH IS THE GRAPH SHOWING THE MEAN MONTHLY RISING WATER SINCE JANUARY 1923.

DISCHARGE MEASUREMENTS OF STANDEFER DITCH F85-S

~~AT~~ below Headgate 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.	S. HT. CHANGE TOTAL	METER NO.
972	10/6	0932 / 0937	WADDICOR	3.2	0.62	0.77		0.48		.5	6		FC52
973	10/13	0920 / 0925	"	3.2	0.74	0.74		0.55		.5	6		"
974	10/20	1116 / 1122	"	3.2	0.74	0.73		0.54		.5	6		"
975	10/27	0915 / 0920	"	3.24	0.68	0.74		0.50		.5	6		"
976	11/3	1200	"					0					
977	11/10	1220	"					0					
978	11/18	1500	"					0					
979	11/23		"					0					
980	12/1		"					0					
981	12/8		"					0					
982	12/16		"					0					
983	12/22	1200	"					0					
984	12/29	1017	"					0					
985	1/5	1020	"					0					
986	1/12	1045	"					0					
987	1/19	1035	"					0					
988	2/2	1055	"					0					
989	2/9	1037	WADDICOR-SJOSTEDT					0					
990	2/16	0945	WADDICOR					0					
991	3/1	0935	"					0					
992	3/8	0923	"					0					
993	3/15	1010	"					0					
994	3/22	0935	"					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.	S. HT. CHANGE TOTAL	METER NO.
995	3/29	0930	WADDICOR					0					
996	4/5	1026	WADDICOR-WOOD					0					
997	4/19	0935	WADDICOR					0					
998	5/31	0935	"					0					
999	6/7	0955	"					0					
1000	6/14	0910	"					0					
1001	6/21	1000	"					0					
1002	6/28	0912	"					0					
1003	7/5	0905	"					0					
1004	7/12	1030	"					0					
1005	8/2	0905	"					0					
1006	8/9	0905	"					0					
1007	8/16	0938	"					0					
1008	8/30	1040	WADDICOR-BOWMAN					0					
1009	9/6	0955	WADDICOR-ROY					0					
1010	9/13	0935	" "					0					
1011	9/20	1105	" "					0					
1012	9/27	1335	" "					0					

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER F86-S

AT below Standefer Ditch 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.
950	10/6	0943 / 0958	WADDICOR	8.4	5.42	0.41		2.2		.6	12		FC52
951	10/13	0935 / 0950	"	8.3	5.62	0.41		2.3		.6	12		"
952	10/20	1128 / 1143	"	8.4	5.58	0.48		2.7		.6	12		"
953	10/27	0825 / 0840	"	8.4	5.94	0.61		3.6		.6	12		"
954	11/3	1200	"					7.0		EST.			
955	11/10		"					9.0		"			
956	11/18	1510 / 1530	"	15.7	11.0	0.95		10.4		.6	13		FC37
957	11/23		"					11.2		EST.			
958	12/1		"					12.0		"			
959	12/8	1200	"					12.7		"			
960	12/16	0730	"					13.5		"			
961	12/22	1200	"					14.2		"			
962	12/29	0955 / 1015	"	19.0	9.60	1.55		14.9		.6	15		FC37
963	1/5	1000 / 1020		20.0	9.16	1.33		12.2		.6	16		"
964	1/12	1030 / 1040	WADDICOR-SADDORIS	35.0	29.5	0.43		12.8		.6	16		"
965	1/19	1040 / 1056	WADDICOR	31.5	24.7	0.45		11.0		.6	15		"
966	1/31							NO FLOW					
967	2/2	1035 / 1050	"	26.0	13.8	1.17		16.1		.6	12		FC37
968	2/9	1048 / 1104	"	25.5	12.8	1.14		14.6		.6	15		"
969	2/16	0952 / 1009	"	25.2	12.4	1.12		13.9		.6	13		"
970	3/1	0945 / 1002	"	20.5	11.6	1.24		14.4		.6	13		"
971	3/8	0927 / 0942	"	20.0	10.1	1.10		11.1		.6	13		"
972	3/15	1020 / 1032	"	21.0	7.63	1.31		10.0		.6	14		"
973	3/22	0940 / 0958	"	14.0	6.58	1.08		7.1		.6	13		"
974	3/29	1140 / 1152	WADDICOR	14.0	8.37	0.55		4.6		.6	9		FC52
975	4/5	1035 / 1051	WADDICOR-WOOD	TWO CHANNELS				6.0		.6	16		FC37
976	4/19	0940 / 0955	WADDICOR	10.5	8.4	1.49		12.5		.6	11		"
977	5/3	0925 / 0940	"	16.0	6.77	1.70		11.5		.6	12		"
978	5/26	1010 / 1038	"	TWO CHANNELS				9.0		.6	21		"
979	5/31	0940 / 1010	"	"	"			10.3		.6	20		FC52
980	6/7	0930 / 0945	"	2.1	13.7	0.56		7.6		.6	11		"
981	6/14	0915 / 0933	"	11.0	12.2	0.50		6.1		.6	12		"
982	6/21	1015 / 1030	"	10.6	10.7	0.52		5.6		.6	12		"
983	6/28	0920 / 0935	"	10.5	11.7	0.38		4.4		.6	12		"
984	7/5	0837 / 0855	"	11.4	14.5	0.29		4.2		.6	13		"
985	7/12	1045 / 1058	WADDICOR-SADDORIS	10.3	9.67	0.37		3.6		.6	11		"
986	7/19	1130 / 1148	SADDORIS	10.2	7.91	0.44		3.5		.6	10		"
987	7/26	1140 / 1200	"	10.5	8.50	0.39		3.3		.6	22		"
988	8/2	0810 / 0923	WADDICOR	9.4	7.23	0.48		3.5		.6	11		"
989	8/9	0810 / 0922	"	10.0	6.85	0.45		3.1		.6	11		"
990	8/14	0920 / 0935	"	8.6	7.62	0.45		3.4		.6	10		"
991	8/16	0949 / 1000	WADDICOR-ROY	10.3	7.78	0.46		3.6		.6	11		"
992	8/23	1010 / 1025	WADDICOR-FALCONE	10.3	9.94	0.28		2.8		.6	12		"
993	8/30	1045 / 1056	WADDICOR-BOWMAN	11.0	10.2	0.32		3.3		.6	12		"
994	9/6	0937 / 0948	WADDICOR-ROY	10.7	8.25	0.34		2.8		.5	12		"
995	9/13	0940 / 0950	" "	8.7	4.84	0.46		2.2		.6	10		"
996	9/20	1113 / 1121	" "	9.0	5.29	0.47		2.5		.6	10		"
997	7/27	1342 / 1357	ROY-WADDICOR	9.8	5.83	0.48		2.8		.6	11		"

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER F86-S

AT below Standefer Ditch DURING THE YEAR ENDING SEPTEMBER 30, 1957

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.
998	10/11	1355 / 1410	WADDICOR	10.0	7.17	0.77		5.5		.6	11		FC52
999	10/18	1010 / 1025	"	10.0	6.44	0.71		4.6		.6	11		"
1000	10/26	1035 / 1046	"	10.0	6.32	0.65		4.1		.6	11		FC37
1001	11/1	1242 / 1258	ROY-WADDICOR	9.90	6.56	0.73		4.8		.6	11		FC52
1002	11/8	1020 / 1035	WADDICOR	10.0	7.97	0.44		3.5		.6	11		"
1003	11/15	1238 / 1250	ROY-WADDICOR	10.3	7.46	0.79		5.9		.6	11		"
1004	11/23	1336 / 1402	WADDICOR		CHANNELS			9.6		.6	20		"
1005	11/29	1340 / 1352	"		"			9.0		.6	19		"
1006	12/6	1345 / 1405	"		"			8.3		.6	17		"
1007	12/11	1045 / 1105	"		"			7.4		.6	17		"
1008	12/20	1017 / 1032	"	11.2	10.5	0.56		5.9		.6	13		"
1009	12/27	1010 / 1020	"	10.0	7.28	0.58		4.6		.6	11		"
1010	1/4	1000 / 1022	"	TWO	CHANNELS			11.1		.6	18		FC37
1011	1/17	1058 / 1118	WOOD-WADDICOR	27.0	9.39	1.16		10.9		.6	17		"
1012	1/25	0937 / 0952	WADDICOR	27.6	10.7	1.24		13.3		.6	13		"
1113	1/31	1045 / 1055	"	10.8	4.60	2.22		10.7		.6	12		"
1114	2/7	1355 / 1410	WADDICOR-BROOK	31.0	9.70	1.07		10.4	.5	.6	15		"
1115	2/14	1122 / 1140	WADDICOR	21.0	7.40	1.14		8.4		.6	12		"
1116	2/21	1127 / 1143	"	21.5	9.02	1.28		11.6		.6	13		"
1117	2/28	1050	"					EST. 11.5					
1118	3/7	1253 / 1305	WADDICOR-ROY	23.5	8.17	1.27		10.4		.6	14		"
1119	3/14	1304 / 1324	WADDICOR	24.0	9.53	1.32		12.6		.6	14		"
1120	3/21	1120 / 1135	"	28.0	8.97	1.14		10.2		.6	12		"
1121	3/28	1120 / 1130	"	8.0	3.87	2.56		9.9		.6	7		"
1122	4/4	1342 / 1355	WADDICOR	9.0	8.94	0.69		6.2		EST. .6	10		"
1123	4/11		"					EST. 10.					
1124	4/25		"					EST. 11.					
1125	5/2	1033 / 1048	"		CHANNELS			7.0		.6	16		FC52
1126	5/9	1215 / 1230	"		"			7.0		.6	20		"
1127	5/16	1025 / 1040	"		"			9.4		.6	14		"
1128	5/23	1108 / 1125	BROOK-WADDICOR	14.2	18.7	0.58		10.8		.6	15		"
1129	5/29	1056 / 1110	WADDICOR	11.0	14.5	0.49		7.1		.6	9		"
1129X	6/13	1050 / 1105	"	12.5	14.7	0.42		6.1		.6	11		"
1130	6/20	1056 / 1114	ROY-GARDNER	12.3	11.3	0.34		3.9		.6	13		"
1131	6/27	1030 / 1050	ROY-WADDICOR	12.0	10.9	0.37		4.0		.6	13		"
1132	7/3	1115 / 1130	ROY	11.0	9.08	0.34		3.1		.6	10		"
1133	7/11	1100 / 1113	"	11.2	8.14	0.37		3.0		.6	9		"
1134	7/18	1303 / 1318	WADDICOR	10.5	7.31	0.40		2.9		.6	11		"
1135	7/25	1035	"					EST. 2.1					
1136	8/1	1027 / 1040	"	7.8	4.42	0.43		1.9		.6	10		"
1137	8/8	1515 / 1521	WADDICOR-BLAKELY	6.5	3.04	0.40		1.2		.6	8		"
1138	8/15	1107 / 1120	WADDICOR	7.0	3.58	0.39		1.4		.6	9		"
1139	8/22	1110 / 1120	"	7.5	4.63	0.48		2.2		.6	9		"
1140	8/29	1225 / 1235	"	7.0	2.55	0.24		0.62		.6	8		"
1141	9/5	1034 / 1046	"	7.0	2.57	0.21		0.53		.6	8		"
1142	9/12	1237 / 1246	"	6.0	2.19	0.15		0.32		.6	8		"
1143	9/19	1020 / 1030	"	5.8	3.40	0.09		0.32		.6	7		"
1144	9/26	1035 / 1045	ROY	7.0	2.65	0.23		0.61		.6	9		FC48

76D74M Gth 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No.

Daily discharge, in second-feet of RISING WATER at Whittier Narrows, for the year ending September 30, 19 56

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	6.2	10.6	19.1	23.6	28.4	26.0	14.1	22.6	18.8	10.5	7.6	7.0
2	6.3	11.0	19.4	23.4	29.5	25.4	14.4	22.5	18.2	10.5	7.6	7.0
3	6.3	11.5	19.7	23.2	29.2	24.8	14.7	22.4	17.6	10.5	7.5	6.9
4	6.3	11.8	20.0	23.0	28.8	24.2	15.1	22.4	17.0	10.5	7.4	6.9
5	6.4	12.1	20.3	22.8	28.5	23.6	15.4	22.4	16.5	10.5	7.2	6.9
6	6.4	12.4	20.6	22.8	28.1	22.9	15.3	22.4	15.9	10.3	7.1	6.9
7	6.4	12.7	20.9	22.8	27.8	22.3	15.3	22.3	15.3	10.1	7.0	6.7
8	6.4	13.0	21.2	22.8	27.4	21.7	15.2	22.3	15.0	9.9	6.9	6.5
9	6.4	13.3	21.2	22.8	27.1	21.5	15.2	22.3	14.6	9.7	6.8	6.3
10	6.5	13.6	21.2	22.8	26.9	21.4	15.1	22.3	14.3	9.5	6.9	6.1
11	6.5	14.1	21.2	22.8	26.6	21.2	15.0	22.5	14.0	9.3	6.9	5.9
12	6.5	14.6	21.3	22.8	26.4	21.0	15.0	22.7	13.6	9.1	7.0	5.7
13	6.5	15.1	21.3	22.8	26.2	20.8	16.1	22.8	13.3	9.0	7.1	5.5
14	6.5	15.6	21.3	22.7	26.0	20.7	17.3	23.0	13.0	8.9	7.2	5.6
15	6.7	16.2	21.3	22.7	25.7	20.5	18.4	23.2	12.9	8.8	7.2	5.6
16	6.8	16.7	21.5	22.7	25.5	20.0	19.6	23.4	12.8	8.6	7.3	5.7
17	6.9	17.2	21.7	22.6	25.5	19.5	20.7	23.6	12.7	8.5	7.2	5.7
18	7.0	17.7	21.8	22.6	25.5	19.0	21.8	22.8	12.6	8.4	7.1	5.8
19	7.1	17.9	22.0	22.6	25.5	18.6	23.0	21.9	12.5	8.3	7.0	5.8
20	7.2	18.1	22.2	22.5	25.5	18.1	23.0	21.1	12.4	8.2	6.9	5.9
21	7.4	18.4	22.4	22.3	25.5	17.6	23.0	20.3	12.3	8.1	6.8	6.0
22	7.5	18.6	22.6	22.2	25.5	17.1	23.0	19.4	12.0	8.0	6.7	6.1
23	7.7	18.7	22.8	22.1	25.5	16.5	23.0	18.6	11.8	7.9	6.8	6.2
24	7.9	18.8	23.0	22.0	25.6	16.0	23.0	17.8	11.5	7.8	6.6	6.2
25	8.0	18.8	23.3	21.8	25.6	15.4	23.0	18.0	11.3	7.7	6.7	6.3
26	8.2	18.9	23.5	21.7	25.7	14.8	23.0	18.2	11.0	7.6	6.8	6.4
27	8.4	18.9	23.7	22.8	25.8	14.2	22.9	18.5	10.8	7.6	6.8	6.5
28	8.8	19.0	24.0	23.9	25.8	13.7	22.8	18.7	10.5	7.6	6.9	6.6
29	9.3	19.0	24.2	25.0	25.9	13.1	22.7	18.9	10.5	7.6	6.9	6.7
30	9.7	19.1	24.0	26.2		13.4	22.6	19.2	10.5	7.6	7.0	6.8
31	10.2		23.8	27.3		13.8		19.4		7.6	7.0	
	224.5	473.4	676.5	714.1	771.0	598.7	568.7	657.9	405.2	274.2	217.7	188.2
MEAN	7.24	15.8	21.8	23.0	26.6	19.3	19.0	21.2	13.5	8.84	7.02	6.26
ACRE-FEET	445.	939.	1340.	1420.	1530.	1190.	1130.	1300.	804.	544.	432.	373.

Remarks:

YEAR OR PERIOD MEAN 15.8
ACRE-FEET 11430.

76D74M Gth 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

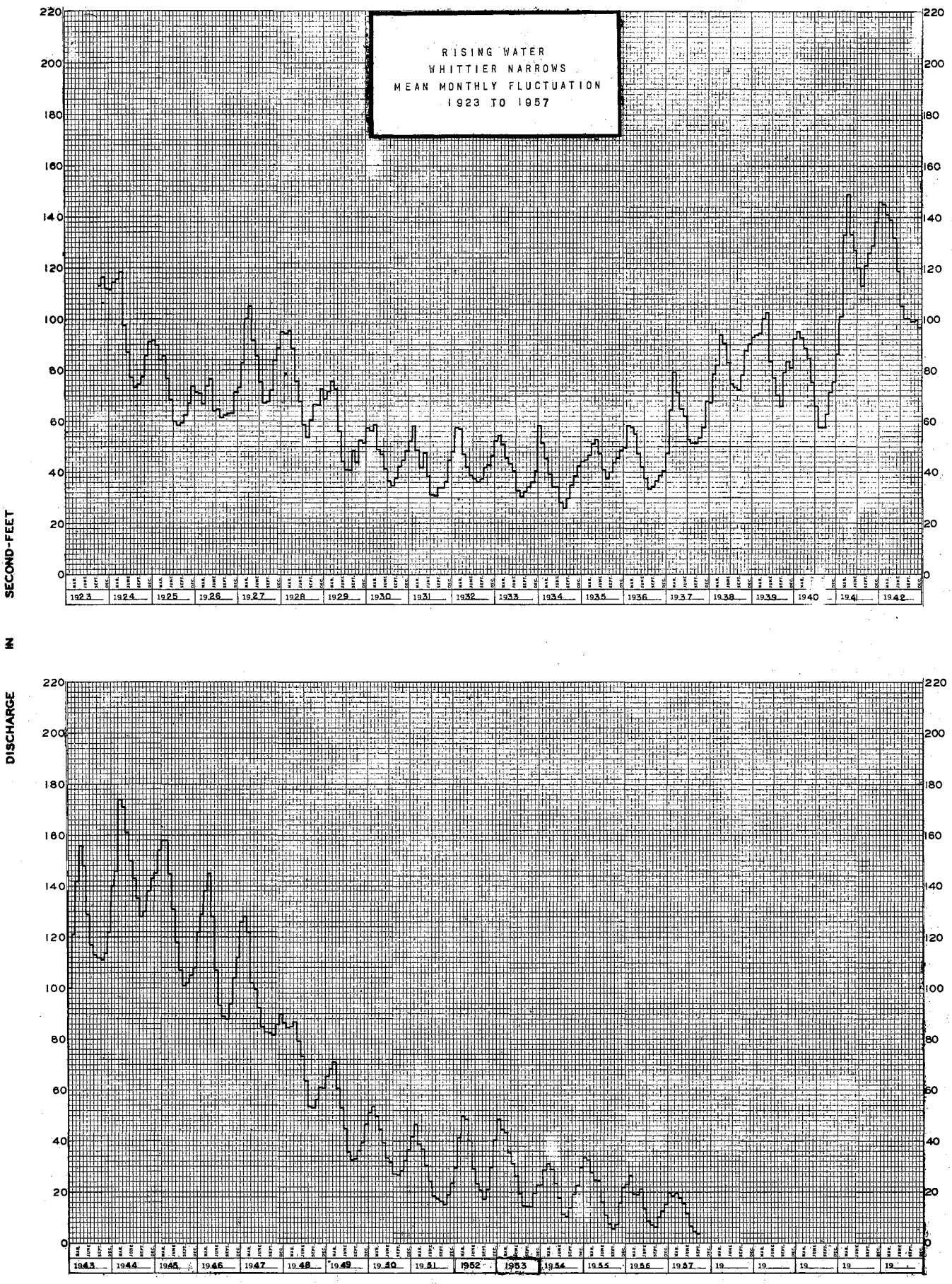
Sta. No.

Daily discharge, in second-feet of RISING WATER at Whittier Narrows, for the year ending September 30, 19 57

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	6.8	9.6	19.1	16.3	19.7	20.5	17.2	14.9	13.2	8.1	4.8	3.3
2	6.9	9.5	18.0	16.8	19.5	20.4	17.2	14.3	13.1	7.9	4.8	3.1
3	7.0	9.4	18.0	17.3	19.2	20.2	17.2	14.2	12.9	7.7	4.9	3.1
4	7.1	9.4	17.9	17.8	18.9	20.0	17.2	14.2	12.8	7.7	4.9	3.0
5	7.8	9.3	17.8	17.9	18.6	19.8	17.1	14.1	12.7	7.6	5.0	3.0
6	8.4	9.2	17.7	18.0	18.4	19.7	17.0	14.0	12.6	7.6	5.0	3.0
7	9.1	9.2	17.1	18.1	18.1	19.5	16.9	13.9	12.6	7.5	5.1	2.9
8	9.7	9.1	16.5	18.2	18.0	19.5	16.7	13.9	12.6	7.5	5.1	2.8
9	10.4	9.0	15.9	18.3	17.8	20.2	15.6	13.8	12.6	7.5	5.0	2.7
10	11.0	9.5	15.3	18.4	17.7	20.5	15.5	14.3	12.7	7.4	5.0	2.6
11	11.7	10.0	14.7	18.4	17.6	20.8	16.4	14.8	12.7	7.4	4.9	2.6
12	11.6	10.5	14.6	18.5	17.5	21.1	16.7	15.3	12.7	7.3	4.8	2.5
13	11.4	11.0	14.5	18.6	17.3	21.5	16.9	15.8	12.7	7.3	4.8	2.5
14	11.3	11.5	14.4	18.7	17.2	21.8	17.2	16.4	12.5	7.2	4.7	2.4
15	11.2	12.0	14.3	18.8	17.5	21.3	17.5	16.9	12.3	7.2	4.6	2.4
16	11.1	12.4	14.2	18.9	17.9	20.9	17.8	17.4	12.1	7.0	4.6	2.4
17	10.9	12.8	14.1	19.0	18.2	20.4	18.0	17.6	11.9	7.0	4.6	2.4
18	10.8	13.2	14.0	19.4	18.5	20.0	18.3	17.7	11.7	6.9	4.5	2.3
19	10.9	13.6	13.9	19.9	18.8	19.5	18.3	17.9	11.5	6.7	4.5	2.3
20	11.1	14.1	13.8	20.3	19.2	19.1	18.3	18.1	11.3	6.5	4.5	2.3
21	11.2	14.5	13.8	20.8	19.5	18.6	18.3	18.2	11.0	6.3	4.5	2.4
22	11.4	14.9	13.8	21.2	19.7	18.4	18.3	18.4	10.6	6.1	4.4	2.3
23	11.5	15.3	13.8	21.6	19.8	18.2	18.3	18.6	10.3	5.9	4.3	2.4
24	11.6	15.8	13.8	22.1	20.0	18.0	18.3	17.8	10.0	5.7	4.1	2.3
25	11.8	16.3	13.6	22.5	20.2	17.8	18.3	16.9	9.6	5.5	4.0	2.4
26	11.9	16.8	13.8	22.1	20.4	17.6	17.7	16.0	9.3	5.4	3.8	2.4
27	11.5	17.3	13.8	21.7	20.5	17.4	17.2	15.2	9.0	5.3	3.7	2.3
28	11.1	17.8	14.3	21.2	20.7	17.2	16.6	14.4	8.8	5.2	3.5	2.2
29	10.6	18.3	14.8	20.8		17.2	16.0	13.5	8.6	5.1	3.4	2.1
30	10.4	18.2	15.3	20.4		17.2	15.4	13.4	8.4	5.0	3.3	2.0
31	10.0		15.8	20.0		17.2		13.3		4.9	3.3	
	319.4	379.5	471.6	602.0	526.4	601.8	519.4	485.2	344.8	207.4	138.4	76.4
MEAN	10.3	12.6	15.2	19.4	18.8	19.4	17.3	15.6	11.5	6.60	4.46	2.55
ACRE-FEET	634.	753.	935.	1190.	1040.	1190.	1030.	962.	684.	411.	275.	152.

Remarks:

YEAR OR PERIOD MEAN 12.8
ACRE-FEET 9260.


RISING WATER
WHITTIER NARROWS
MEAN MONTHLY FLUCTUATION
1923 TO 1957
DISCHARGE IN SECOND-FEET
0
20
40
60
80
100
120
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MISCELLANEOUS MEASUREMENTS

DISCHARGE MEASUREMENTS OF SANTA CLARA RIVER DRAINAGE AREA

AT 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.
			SANTA CLARA RIVER: 1 mile below Ravenna										
39	11/3	1015 / 1023	WHISLER	4.0	1.18	1.27		1.5		.5	10		FC59
40	12/1	0935 / 0945	"	4.0	1.27	1.34		1.7		.5 / .6	10		"
41	1/5	1530 / 1540	"	3.9	1.11	1.80		2.0		.6	10		"
42	2/1	1445 / 1451	"	5.0	1.67	1.20		2.0		.5 / .6	6		FC5
43	3/8	0822 / 0825	"	5.8	2.15	0.93		2.0		.5 / .6	11		FC59
44	4/4	0810 / 0822	"	4.9	1.84	1.14		2.1		.5 / .6	10		"
45	5/3	0815 / 0825	"	5.8	2.20	1.09		2.4		.5 / .6	9		"
46	6/1	0820 / 0832	"	7.5	2.59	0.77		2.0		.5 / .6	9		"
47	7/5	1210 / 1220	SJOSTEDT	3.0	1.66	0.90		1.5		.6	8		"
48	8/2	1520 / 1528	WHISLER	4.0	1.80	0.78		1.4		.5 / .6	8		"
49	9/6	0950 / 1003	"	3.7	1.95	0.72		1.4		.6	10		"

DISCHARGE MEASUREMENTS OF SANTA CLARA RIVER DRAINAGE AREA

AT NEAR Miscellaneous Points 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.	G. HT. CHANGE TOTAL	METER NO.
			SANTA CLARA below Ravenna										
50	10/4	1255 / 1308	WHISLER	4.7	1.75	0.97		1.7		.5	11		FC59
51	11/1	1330 / 1338	"	4.9	1.64	1.05		1.7		.5	8		"
52	12/6	0800 / 0810	"	4.7	1.73	1.04		1.8		.5	9		"
53	1/3	0815 / 0826	"	4.8	1.33	1.35		1.8		.5 / .6	10		"
54	2/7	1445 / 1452	"	4.0	1.68	1.07		1.8		.6	9		"
55	3/6	0958 / 1004	"	4.5	1.62	1.00		1.6		.6	6		"
56	4/11	1250 / 1258	"	4.3	1.62	1.11		1.8		.6	9		"
57	5/2	1340 / 1350	ROY-WHISLER	4.5	1.28	1.09		1.4		.6	7		"
58	6/6	0926 / 0940	BOWMAN-WHISLER	4.6	1.47	0.95		1.4		.6	10		"
59	7/3	1415 / 1420	BOWMAN	4.0	0.98	0.95		0.93		.5	5		"
60	8/1	1216 / 1220	WHISLER	4.0	0.85	1.11		0.94		.5	5		"
61	9/5	0837 / 0843	WHISLER-BLAKELY	5.4	1.11	1.17		1.3		.5	7		"

DISCHARGE MEASUREMENTS OF SANTA MONICA MOUNTAIN - COASTAL DRAINAGE AREA

AT 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.
			ARROYO SEQUIT at Mulholland Drive										
59	10/13	1340 / 1350	DE MARS	0.75	0.05	0.40		0.02		.5	5		FC48
60	10/27	1015 / 1021	"	0.70	0.05	0.40		0.02		.5	5		"
61	11/10	1015 / 1020	"	0.65	0.03	0.33		0.01		.5	5		"
62	11/23	1407 / 1412	"	0.70	0.05	0.20		0.01		.5	4		"
63	12/8	1415 / 1420	HYDE	0.60	0.04	0.50		0.02		.5	4		FC58
64	2/2	1235 / 1252	FALCONE-DE MARS	16.5	9.49	0.90		8.5		.5	11		FC48
65	2/16	1048 / 1055	HOLLERON-DE MARS	7.10	2.00	1.20		2.4		.5	7		"
66	3/1	1417 / 1425	" "	7.00	2.07	1.21		2.5		.5	9		"
67	3/15	1545 / 1556	HOLLERON	6.8	1.46	0.78		1.1		.5	8		"
68	3/29	1435 / 1446	"	4.0	0.97	0.88		0.85		.5	9		"
69	4/12	1604 / 1615	HOLLERON-CAIRE	4.1	1.20	1.25		1.5		.5	9		"
70	5/3	1522 / 1532	HOLLERON	3.4	0.84	1.05		0.88		.5	8		FC48
71	5/17	1442 / 1452	"	3.0	0.80	0.92		0.74		.5	7		"
72	5/31	1350 / 1400	"	3.0	0.71	0.82		0.58		.5	7		"
73	6/13	1410 / 1420	"	3.0	0.68	0.75		0.51		.5	7		"
74	6/27	1600 / 1610	"	2.8	0.57	0.60		0.34		.5	7		"
75	7/11	1355 / 1405	"	1.6	0.44	0.82		0.36		.5	5		"
76	7/26	1410 / 1420	HOLLERON-BOWMAN	1.5	0.38	0.68		0.26		.5	5		"
77	8/8	1220 / 1230	HOLLERON	1.5	0.38	0.58		0.22		.5	5		"
78	8/22	1345 / 1355	"	1.4	0.31	0.48		0.15		.5	6		"
79	9/13	1610 / 1617	SJOSTEDT	1.5	0.27	0.26		0.07		.5	7		"
80	9/26	1443 / 1447	SJOSTEDT-FALCONE	0.60	0.09	0.33		0.03		.5	5		"
			RUSTIC CANYON above Junction with Santa Monica Canyon										
7	3/22	1600 / 1612	HOLLERON-LINDSAY	4.7	1.07	1.24		1.3		.5	11		FC48
8	3/29	1804 / 0913	HOLLERON	4.4	1.12	1.12		1.3		.5	9		"
9	4/5	1340 / 1352	"	4.3	1.00	1.16		1.2		.5	10		"
10	4/19	1330 / 1340	"	5.1	1.24	1.12		1.4		.5	10		"
11	5/3	1100 / 1114	"	3.7	0.75	1.47		1.1		.5	9		"
12	5/10	1255 / 1305	"	2.8	0.90	1.56		1.4		.5	9		"
13	5/17	1050 / 1100	"	3.2	0.77	1.56		1.2		.5	10		"
14	5/24	1040 / 1050	"	3.2	0.76	1.58		1.2		.5	7		"
15	5/31	1125 / 1135	"	3.4	0.74	1.49		1.1		.5	8		"
16	6/7	1315 / 1325	"	4.0	0.82	1.20		0.98		.5	7		"
17	6/13	1135 / 1147	"	4.3	0.96	1.15		1.1		.5	8		"
18	6/20	1235 / 1245	"	4.5	1.04	0.93		0.97		.5	7		"
19	6/27	1150 / 1200	"	4.2	1.04	0.84		0.87		.5	7		"
20	7/11	1140 / 1150	"	4.0	0.62	1.31		0.81		.5	9		"
21	7/19	1155 / 1205	"	4.2	0.72	0.89		0.64		.5	9		"
22	7/26	0955 / 1005	HOLLERON-BOWMAN	3.4	0.61	1.16		0.71		.5	8		"
23	8/2	1320 / 1330	HOLLERON	3.5	0.58	0.95		0.55		.5	8		"
24	8/8	1100 / 1106	"	3.8	0.86	0.81		0.70		.5	9		"
25	8/15	1115 / 1125	HOLLERON-SADDORIS	3.6	0.69	0.88		0.61		.5	9		"
26	8/30	1208 / 1218	SJOSTEDT	2.8	0.52	1.21		0.63		.5	7		"
27	9/13	1140 / 1147	"	2.4	0.26	1.69		0.44		.5	7		FC50
28	9/20	1154 / 1200	"	2.0	0.28	1.71		0.48		.5	6		"
29	9/27	1124 / 1132	SJOSTEDT-FALCONE	1.9	0.25	1.80		0.45		.5	8		"

DISCHARGE MEASUREMENTS OF SANTA MONICA MOUNTAIN - COASTAL DRAINAGE AREA

AT NEAR Miscellaneous Points 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.	G. HT. CHANGE TOTAL	METER NO.
			ARROYO SEQUIT at Mulholland Drive										
81	10/11	1255 / 1300	SJOSTEDT	0.6	0.12	0.42		0.05		.5	5		FC50
82	10/25	1315 / 1320	"	0.6	0.09	0.11		0.01		.5	5		"
83	11/8	1340 / 1345	"	0.6	0.06	0.05		0.003		.5	5		"
84	3/14	1338 / 1345	ROY-SJOSTEDT	3.0	0.60	1.37		0.82		.5	7		"
85	3/28	1324 / 1330	SJOSTEDT	3.3	0.50	1.42		0.71		.5	6		"
86	4/11	1225 / 1230	"	3.0	0.39	1.26		0.49		.5	5		"
87	4/25	1245 / 1252	"	4.0	0.65	0.54		0.35		.5	6		"
88	5/9	1315 / 1320	"	3.5	0.57	1.00		0.57		.5	6		"
89	5/16	1147 / 1158	BROOK-SJOSTEDT	2.6	0.50	1.12		0.56		.5	7		"
90	5/23	1335 / 1340	SJOSTEDT	2.5	0.52	0.92		0.48		.5	6		"
91	6/6	1424 / 1430	"	2.5	0.46	0.83		0.38		.5	6		"

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	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
92	6/13	1352 / 1357	WOOD-SJOSTEDT	2.5	0.37	0.97		0.36		.5	5		FC50
93	7/5	1423 / 1430	WOOD	2.0	0.26	0.96		0.25		.5	7		"
94	7/18	1225 / 1230	SJOSTEDT	2.0	0.22	1.00		0.22		.5	5		"
95	8/1	1345 / 1350	"	2.0	0.22	0.64		0.14		.5	5		"
96	8/15	1315 / 1320	"	1.9	0.19	0.79		0.15		.5	6		"
97	8/29	1225 / 1230	"	2.0	0.25	0.56		0.14		.5	5		"
98	9/12	1310 / 1315	ROY-SJOSTEDT	2.0	0.17	0.65		0.11		.5	5		"
99	9/26	1446 / 1452	WOOD	0.7	0.05	1.40		0.07		.5	5		"
			RUSTIC CANYON above Junction with Santa Monica Canyon										
30	10/11	1548 / 1555	SJOSTEDT	2.5	0.31	1.39		0.43		.5	5		FC50
31	10/18	1510 / 1518	"	2.5	0.32	1.47		0.47		.5	6		"
32	10/25	1440 / 1447	"	2.5	0.25	1.44		0.36		.5	6		"
33	11/1	1510 / 1515	"	2.5	0.28	1.46		0.41		.5	6		"
34	11/8	1502 / 1510	"	2.0	0.24	1.42		0.34		.5	7		"
35	11/14	1502 / 1510	"	2.2	0.23	1.48		0.34		.5	7		"
36	11/29	1530 / 1540	"	2.5	0.25	1.16		0.29		.5	6		"
37	12/6	1510 / 1515	"	2.8	0.25	1.56		0.39		.5	6		"
38	12/13	1513 / 1520	"	3.0	0.32	1.31		0.42		.5	7		"
39	12/20	1613 / 1620	"	3.0	0.28	1.57		0.44		.5	7		"
40	12/20	1613 / 1620	"	3.0	0.28	1.57		0.44		.5 .6	7		"
41	1/17	1600 / 1606	"	2.5	0.34	1.35		0.46		.5	6		"
42	2/7	1510 / 1515	"	3.4	0.44	1.27		0.56		.5	6		"
43	2/14	1525 / 1530	"	3.5	0.43	1.44		0.62		.5	6		"
44	2/21	1445 / 1453	"	3.5	0.45	1.38		0.62		.5	8		"
45	3/7	1518 / 1525	"	3.0	0.60	1.83		1.1		.5	7		"
46	3/21	1515 / 1522	MC BRIDE-SJOSTEDT	3.0	0.66	1.82		1.2		.5	5		"
47	4/4	1440 / 1445	SJOSTEDT	3.0	0.64	1.88		1.2		.5	5		"
48	4/11	1540 / 1545	"	3.0	0.58	1.72		1.0		.5	5		"
49	4/18	1525 / 1530	"	4.0	0.85	2.00		1.7		.5	6		"
50	5/2	1445 / 1450	"	2.0	0.36	2.08		0.75		.5	5		"
51	5/16	1510 / 1518	BROOK-SJOSTEDT	3.0	0.58	1.31		0.76		.5	7		"
52	5/29	1545 / 1550	SJOSTEDT	3.0	0.51	1.06		0.53		.5	5		"
53	6/20	1457 / 1504	SJOSTEDT-STUNDEN	2.0	0.44	1.05		0.46		.5	7		"
54	6/27	1455 / 1500	WOOD-SJOSTEDT	3.0	0.47	1.10		0.52		.5	7		"
55	7/5	1527 / 1536	WOOD	3.1	0.43	0.91		0.39		.5	9		"
56	7/11	1402 / 1410	SJOSTEDT	2.5	0.55	1.13		0.62		.5	6		"
57	7/18	1452 / 1500	"	1.5	0.32	1.44		0.46		.5	6		"
58	7/25	1450 / 1500	"	2.0	0.31	1.58		0.49		.5	5		"
59	8/8	1454 / 1500	WOOD	3.5	0.49	1.24		0.61		.5	6		"
60	8/22	1400 / 1410	SJOSTEDT	3.5	0.42	1.17		0.49		.5	8		"
61	8/29	1408 / 1415	"	1.8	0.48	0.25		0.12		.5	6		"
62	9/5	1335 / 1345	"	1.7	0.41	1.10		0.45		.5	7		"
63	9/12	1420 / 1427	ROY-SJOSTEDT	3.7	0.49	0.88		0.43		.5	6		"
64	9/19	1335 / 1345	SARASUA-SJOSTEDT	4.0	0.65	0.78		0.51		.5	7		"
65	9/26	1142 / 1146	WOOD	4.0	0.51	0.86		0.44		.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.	RATINGS	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			PACOIMA CREEK above Dam (Inflow)										
81	12/21	0945 / 0952	HYDE	2.1	0.28	0.68		0.19		.5	7		FC60
82	1/4	1050 / 1056	HYDE-LINDSAY	2.2	0.34	0.74		0.25		.5	8		"
83	2/29	0900 / 0918	HYDE	6.5	3.54	1.05		3.7		.6	9		"
84	5/17	1508 / 1524	"	10.5	4.97	0.88		4.4		.5 .6	12		FC35
85	6/6	1300 / 1315	HYDE-BARR	4.5	2.51	0.60		1.5		.6	10		FC60
86	6/6	1612 / 1622	" "	4.5	1.48	0.95		1.4		.5	8		"

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	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			BIG TUJUNGA CREEK below Fox Creek										
242	5/3	1300 / 1314	HYDE-ROBERTSON	10.0	6.33	0.76		4.8		.5 .6	11		FC35
243	5/16	1345 / 1358	HYDE-LINDSAY	6.6	5.11	0.90		4.6		.6	11		FC60
244	6/14	1250 / 1300	HYDE-ROBERTSON	6.0	2.41	0.46		1.1		.6	9		"
			BIG TUJUNGA CREEK below Big Tujunga Dam										
32	4/16	0900 / 0912	HYDE	8.0	3.64	0.93		3.4		.5 .6	10		FC35
33	4/16	0915 / 0930	"	8.3	4.34	1.01		4.4		.6	12		"
34	4/16	0942 / 0954	HYDE-SCHONNING	8.7	5.13	1.01		5.2		.6	11		"
35	4/16	1018 / 1030	HYDE	7.5	5.40	1.11		6.0		.6	10		"
36	6/23	0948 / 0958	"	7.0	6.53	1.27		8.3		.6	9		"
37	7/12	1452 / 1502	"	8.0	7.09	1.11		7.9		.6	9		"
38	7/26	1140 / 1150	"	8.5	8.10	1.10		8.9		.6	10		"
39	8/16	0906 / 0920	"	12.0	14.0	1.08		15.1		.6	13		"
40	8/16	1015 / 1033	HYDE-SCHONNING	13.5	15.7	1.05		16.5		.6	14		"
41	8/19	0942 / 1000	HYDE	11.5	14.5	1.08		15.6		.6	13		"
42	8/21	1334 / 1346	HYDE-SCHONNING	12.0	13.8	1.11		15.3		.6	13		"
43	8/23	0815 / 0831	HYDE	11.0	10.8	1.07		11.6		.6	12		"
44	8/23	1250 / 1302	HYDE-SCHONNING	11.0	10.7	1.05		11.2		.6	12		"
45	8/25	0858 / 0913	HYDE	11.0	9.85	1.06		10.4		.6	12		"
46	8/27	0815 / 0830	"	10.5	8.85	0.98		8.7		.6	12		"
47	8/29	1505 / 1520	"	12.0	13.0	1.06		13.8		.6	13		"
48	8/30	0832 / 0848	"	11.5	11.6	1.02		11.9		.6	12		"
49	9/1	0922 / 0936	"	10.0	7.65	0.95		7.3		.6	11		"
50	9/4	0754 / 0804	"	9.2	5.48	0.91		5.0		.6	13		"
51	9/4	0908 / 0920	"	11.7	11.9	0.82		9.8		.6	13		"
52	9/6	1300 / 1308	"	1.8	0.52	1.25		0.65		.5	5		"
			BIG TUJUNGA CREEK L.A.W.D. Diversion to Spreading Grounds										
53	11/3	0909 / 0915	TURNER	2.2	0.80	0.38		0.30		.5	7		FC60
54	4/25	1015 / 1025	HYDE	8.3	4.01	1.69		6.8		.6	10		FC35
55	5/24	1445 / 1458	"	5.4	3.41	1.79		6.1		.6	8		"
56	6/7	1510 / 1515	HYDE-TURNER	5.4	3.19	2.14		6.8		.6	8		"
57	8/9	1455 / 1505	HYDE	7.0	4.04	1.09		4.4		.6	9		"
58	8/17	0835 / 0845	"	7.5	4.23	1.87		7.9		.6	8		"
			BIG TUJUNGA CREEK above Hansen Dam										
70	2/16	1610 / 1616	SJOSTEDT-HYDE	4.7	0.72	1.04		0.75		.5	7		FC60
71	4/18	1528 / 1540	HYDE	14.0	3.90	1.36		5.3		.5	11		"
72	4/25	1040 / 1045	"	3.5	1.58	1.02		1.6		.5 .6	6		FC35
73	6/7	1540 / 1550	"	10.0	2.34	1.18		3.2		.5	11		FC60
74	8/16	1412 / 1416	"	4.0	0.95	0.50		0.48		.5	5		FC35
75	8/30	1515 / 1525	"		CHANNELS			3.7		.5	7		"
			ARROYO SECO below Devils Gate Dam										
194	2/2	1300 / 1305	STUNDEN	1.5	0.74	0.68		0.50		.5	4		FC36
195	4/18	1145 / 1155	"	2.2	1.10	0.27		0.30		.5	6		FC50
196	8/10	0825 / 0830	"	1.8	0.27	2.33		0.63		.5	6		"
197	8/10	0835 / 0840	"	1.5	0.23	2.09		0.48		.5	6		"
198	8/16	0900 / 0910	HOLLERON-STUNDEN	1.5	0.30	1.23		0.37		.5	7		"
199	8/23	0940 / 0946	HOLLERON	1.4	0.29	1.55		0.45		.5	6		"
200	8/30	0805 / 0815	"	1.5	0.31	1.32		0.41		.5	6		"
201	9/6	1505 / 1515	"	1.4	0.25	1.28		0.32		.5	7		FC48
202	9/13	1520 / 1530	"	1.4	0.27	1.18		0.32		.5	8		"
203	9/20	1535 / 1545	"	1.3	0.10	0.40		0.04		.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. MT. CHANGE TOTAL	METER NO.
			LAGUNA CREEK above Blanchard Street										
1	9/13	1241 / 1250	WADDICOR-ROY	2.9	0.51	1.00		0.50		.5	8		FC52
2	9/13	1305 / 1314	" "	2.6	0.38	1.34		0.51		.5	7		"
3	9/24	1532 / 1542	WADDICOR-BONADIMAN	3.3	0.56	1.05		0.59		.5	9		"
4	9/24	1550 / 1559	" "	2.9	0.42	0.95		0.40		.5	7		"

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER DRAINAGE AREA

AT NEAR Miscellaneous Points DURING THE YEAR ENDING SEPTEMBER 30, 1957

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.
			PACOIMA CREEK above Pacoima Dam										
87	1/16	0805 / 0910	HYDE	2.5	0.37	1.32		0.49		.5	6		FC60
88	4/24	0912 / 0920	"	6.5	3.65	0.88		3.2		.6	8		FC35
			BIG TUJUNGA CREEK below Big Tujunga Dam										
53	3/5	0800 / 0820	HYDE	13.0	12.9	0.73		9.4		.6	13		FC35
54	3/5	0845 / 0901	"	13.0	12.9	0.74		9.5		.6	12		"
55	3/7	1330 / 1350	"	11.0	11.9	0.76		9.0		.6	14		"
56	3/8	0805 / 0817	"	9.0	5.40	0.67		3.6		.6	10		"
57	3/14	1348 / 1358	MC BRIDE-HYDE	9.7	5.95	0.76		4.5		.6	11		"
58	3/20	1330 / 1345	HYDE	6.5	3.95	0.96		3.8		.6	10		"
59	3/22	0827 / 0840	"	5.0	1.55	0.84		1.3		.5	8		FC60
60	4/11	1330 / 1337	"	5.0	1.35	0.96		1.3		.5	7		"
61	4/18	1527 / 1534	"	5.2	1.36	1.03		1.4		.5	7		"
62	4/25	1318 / 1325	"	5.2	1.41	1.00		1.4		.5	7		"
63	5/2	1355 / 1405	WOOD-HYDE	5.2	1.28	0.94		1.2		.5	9		"
64	5/9	1300 / 1306	HYDE	5.2	1.16	1.12		1.3		.5	7		"
65	5/16	1415 / 1425	"	5.3	1.22	1.16		1.4		.5	8		"
66	5/27	1505 / 1515	ROY-HYDE	5.3	1.39	0.94		1.3		.5	8		FC58
67	5/29	1030 / 1040	HYDE	5.3	1.33	1.13		1.5		.5	7		"
68	6/1	1045 / 1056	"	7.5	4.02	1.42		5.7		.6	9		"
69	6/5	1426 / 1436	"	7.3	3.55	1.32		4.7		.6	9		"
70	6/13	1330 / 1340	BROOK-HYDE	7.1	3.65	1.20		4.4		.6	10		FC60
71	6/20	1140 / 1151	HYDE	7.5	4.28	1.25		5.3		.6	10		"
72	6/20	1200 / 1209	"	7.5	4.28	1.33		5.7		.6	10		FC58
73	6/27	1235 / 1248	"	7.6	4.13	1.28		5.3		.6	10		FC60
74	7/3	1322 / 1336	"	7.5	4.10	1.29		5.3		.6	10		"
75	7/11	1145 / 1158	"	7.5	4.26	1.24		5.3		.6	10		"
76	7/18	1224 / 1240	"	7.6	4.26	1.20		5.1		.6	10		"
77	7/18	1252 / 1310	"	7.6	4.32	1.22		5.3		.6	10		"
78	7/25	1315 / 1330	"	7.5	4.22	1.16		4.9		.6	11		"
79	8/22	1257 / 1307	BOWMAN-HYDE	7.5	3.83	1.30		5.0		.6	10		"
80	8/27	0950 / 1005	BOWMAN	8.1	5.42	1.36		7.4		.6 [Fou]	11		"
81	8/27	1030 / 1045	"	8.1	5.53	1.34		7.4		.6 [Fou]	11		FC60 FC58
82	8/27	1645 / 1700	"	7.7	3.85	1.38		5.3		.6 [Fou]	11		"
83	8/29	1255 / 1307	"	7.7	3.64	1.38		5.0		.6 [Fou]	10		"
84	9/5	1135 / 1150	"	7.8	3.70	1.32		4.9		.6 [Fou]	10		"
85	9/12	1130 / 1147	HYDE	8.2	5.20	1.36		7.1		.6	11		FC58
86	9/19	1320 / 1334	HYDE-TURNER	7.8	5.01	1.35		6.8		.6	11		"
87	9/26	1308 / 1325	HYDE	8.1	4.92	1.32		6.5		.5	12		"

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.
			BIG TUJUNGA CREEK L.A.W.D. DIVERSION to Spreading Grounds										
59	3/5	1258 / 1316	HYDE		CHANNELS			5.9		.6	17		FC35
60	3/20	1555 / 1605	"	7.0	3.05	1.77		5.4		.6	8		"
61	3/28	1614 / 1622	"	4.8	1.49	1.41		2.1		.6	8		FC60
62	4/11	1525 / 1535	"	4.5	1.00	1.30		1.3		.5	7		"
63	4/25	1534 / 1542	"	5.0	1.70	1.88		3.2		.5	6		"
64	5/25	1610 / 1618	"		CHANNELS			2.5		.5	8		"
65	6/6	0857 / 0907	HYDE-SOLOMON	7.0	2.92	1.26		3.7		.6	8		FC58
66	6/13	1555 / 1605	BROOK-HYDE		COMPOSITE			3.1		.6	7		"
67	6/20	1512 / 1522	HYDE	4.5	1.81	1.99		3.6		.5	8		FC60
68	6/27	1455 / 1503	"		CHANNELS			3.4		.5	8		"
69	7/11	1455 / 1512	"		"			2.8		.5	8		"
70	8/8	1420 / 1430	HYDE-SOLOMON		"			3.1		.5	8		"
71	8/22	1535 / 1545	BOWMAN-HYDE		"			1.9		.5	7		"
72	8/29	1525 / 1535	BOWMAN		"			2.8		.5	7		"
73	9/5	1430 / 1435	"	4.5	1.05	1.71		1.8		.5	7		"
74	9/19	1525 / 1535	HYDE-TURNER		CHANNELS			7.3		.6	9		FC58
			BIG TUJUNGA CREEK above Hansen Dam										
76	3/5	1355 / 1402	HYDE	8.0	2.75	1.27		3.5		.5 .6	6		FC35
77	3/5	1605 / 1615	"	7.5	2.79	0.72		2.0		.5 .6	9		"
78	3/7	1605 / 1618	"	10.0	4.63	1.49		6.9		.6	11		"
79	3/14	1620 / 1625	MC BRIDE-HYDE	3.7	0.80	0.79		0.63		.5	5		FC60
80	4/4	1540 / 1543	HYDE	1.0	0.10	0.50		0.05		.5	4		"
81	4/25	1615 / 1617	"	1.0	0.09	0.67		0.06		.5	4		"
82	5/23	1000 / 1010	"	6.5	2.78	1.58		4.4		.6	8		FC58
83	7/11	1550 / 1555	"	1.7	0.25	0.84		0.21		.5	5		FC60
			ARROYO SECO below Devils Gate Dam										
204	10/11	0840 / 0850	HOLLERON	2.7	0.42	0.90		3.8		.5	7		FC48
205	10/16	1530 / 1540	HOLLERON-FORRESTER	4.0	0.66	1.97		1.3		.5	9		"
206	2/7	0940 / 0950	HOLLERON	2.5	0.27	0.89		0.24		.5	6		"
207	2/14	1135 / 1140	"	2.5	0.25	0.88		0.22		.5	6		"
208	2/21	0912 / 0918	MC BRIDE-HOLLERON	2.4	0.23	0.83		0.19		.5	6		"
209	2/28	1000 / 1005	HOLLERON	2.0	0.19	1.10		0.21		.5	5		"
210	3/7	1150 / 1156	"	2.8	0.27	0.89		0.24		.5	7		"
211	3/14	1629 / 1635	HOLLERON-WOOD	2.3	0.25	1.12		0.28		.5	7		"
212	3/21	1103 / 1109	HOLLERON	2.5	0.27	0.78		0.21		.5	7		"
213	3/28	1104 / 1110	"	1.2	0.20	1.15		0.23		.5	5		"
214	4/4	1045 / 1057	"	1.5	0.23	1.22		0.28		.5	6		"
215	4/11	1107 / 1113	HOLLERON-MC BRIDE	1.5	0.22	1.23		0.27		.5	6		"
216	4/18	1036 / 1044	HOLLERON	1.5	0.23	1.13		0.26		.5	6		"
217	4/25	1126 / 1136	"	1.4	0.24	1.08		0.26		.5	6		"
218	5/9	1112 / 1118	"	1.5	0.27	1.00		0.27		.5	6		"
219	5/16	1109 / 1115	"	1.5	0.28	1.04		0.29		.5	6		"
220	5/23	1104 / 1112	"	2.2	0.27	0.96		0.26		.5	7		"
221	5/29	1045 / 1051	"	2.2	0.25	0.92		0.23		.5	6		"
222	6/6	1120 / 1125	HOLLERON-ROY	2.3	0.25	0.64		0.16		.5	6		"
223	6/13	1126 / 1132	HOLLERON	1.5	0.16	0.81		0.13		.5	6		"
224	6/20	1118 / 1122	"	0.7	0.08	0.62		0.05		.5	5		"

DISCHARGE MEASUREMENTS OF RIO HONDO DRAINAGE AREA

AT Miscellaneous Points 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.
225	6/27	1058 / 1102	HOLLERON	0.7	0.07	0.57		0.04		.5	5		FC48
226	7/23	0908 / 0912	"	0.6	0.06	0.67		0.04		.5	5		"
227	8/23	1542 / 1554	"	2.6	0.45	1.33		0.60		.5	11		"
228	8/28	1528 / 1542	"	2.6	0.41	1.66		0.68		.5	11		"
229	8/29	1124 / 1136	"	3.4	0.56	1.27		0.71		.5	11		"
230	9/5	1158 / 1212	"	2.4	0.54	1.65		0.89		.5	10		"
231	9/12	1119 / 1131	"	2.3	0.63	1.32		0.83		.5 .6	10		"
232	9/19	1200 / 1212	"	2.5	0.44	1.45		0.64		.5	11		"
			LAGUNA CREEK above Blanchard Street										
5	10/1	0810 / 0923	BONADIMAN	3.4	0.53	1.28		0.68		.5	7		FC52
6	10/1	0930 / 0940	"	3.5	0.66	0.79		0.52		.5	8		"
7	10/9	1015 / 1034	"	3.7	1.01	0.70		0.71		.6	9		"
8	10/9	1048 / 1100	"	3.2	0.56	0.94		0.53		.6	8		"
9	10/16	0920 / 0928	"	4.3	1.34	0.54		0.72		.6	9		"
10	10/16	0940 / 0955	"	4.9	0.70	0.91		0.64		.6	9		"
11	10/23	0950 / 0959	BONADIMAN-WOOD	4.5	1.42	0.50		0.71		.6	9		"
12	10/23	1012 / 1020	BONADIMAN	3.1	0.54	1.00		0.54		.6	8		"
13	10/29	1310 / 1320	"	4.2	1.14	0.45		0.52		.6	9		"
14	10/29	1330 / 1340	"	3.2	0.56	0.71		0.40		.6	8		"
15	11/7	0842 / 0850	"	3.3	0.80	0.77		0.62		.6	8		"
16	11/7	0903 / 0912	"	2.3	0.50	1.00		0.50		.6	7		"
17	11/13	1020 / 1035	"	4.3	0.94	0.60		0.56		.6	10		"
18	11/13	1042 / 1048	"	2.5	0.54	1.04		0.56		.6	6		"
19	11/20	0830 / 0838	WADDICOR	2.3	0.6	0.95		0.57		.6	6		"
20	11/20	0855 / 0902	"	2.3	0.39	1.28		0.50		.6	6		"
21	12/18	0900 / 0914	BONADIMAN	2.9	0.56	0.11		0.60		.6	8		"
22	12/18	0924 / 0936	"	3.5	0.55	0.82		0.45		.6	8		"
23	1/16	0855 / 0908	"	6.0	1.88	0.52		0.97		.6	11		"
24	1/16	0916 / 0930	"	4.8	1.11	0.45		0.50		.6	9		"
25	2/18	0914 / 0925	"	3.8	0.54	0.61		0.33		.6	7		"
26	2/18	0937 / 0950	"	4.5	0.66	0.50		0.33		.6	8		"
27	3/18	1005 / 1020	"	3.2	1.15	0.58		0.67		.6	7		"
28	3/18	1034 / 1044	"	4.5	0.74	0.50		0.37		.6	8		"
29	4/15	0920 / 0930	"	3.5	0.59	0.71		0.42		.6	7		"
30	4/15	0940 / 0950	"	4.0	0.53	0.66		0.35		.6	5		"
31	5/21	1100 / 1108	"	8.0	1.50	1.00		1.5		.6	9		"
32	5/21	1116 / 1126	"	6.5	2.09	0.72		1.5		.6	8		"
33	6/18	0900 / 0912	"	4.0	1.04	0.44		0.46		.6	8		"
34	6/18	0925 / 0935	"	4.0	0.31	0.81		0.25		.6	7		"
35	7/16	0905 / 0917	"	4.2	1.07	0.43		0.46		.6	8		"
36	7/16	0927 / 0938	"	5.0	1.41	0.32		0.45		.6	8		"
37	8/14	0918 / 0932	"	4.0	1.31	0.50		0.66		.6	9		"
38	8/14	0944 / 0955	"	5.0	1.84	0.27		0.50		.6	8		"
39	9/16	0903 / 0911	WOOD	3.5	0.46	0.69		0.32		.5	8		"
40	9/16	0931 / 0947	"	2.5	0.79	0.59		0.47		.5	6		"

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.
			SANTA ANITA CREEK above Santa Anita Dam										
138	10/27	0840 / 0850	STUNDEN	1.6	0.48	0.77		0.37		.5	6		FC50
139	11/4	1040 / 1050	"	1.6	0.42	1.31		0.32		.5	6		"
140	11/10	0840 / 0845	"	1.6	0.43	0.86		0.37		.5	6		"
141	11/17	1300 / 1310	"	1.6	0.69	1.21		0.87		.6	6		FC36
142	12/15	1530 / 1540	"	1.5	0.53	1.58		0.84		.5	6		FC50
143	1/5	1120 / 1130	"	1.8	0.61	1.31		0.80		.5	7		"
144	1/29	1215 / 1235	LINDSAY	10.0	4.49	2.98		13.4		.6	12		FC41
145	1/31	0820 / 0832	STUNDEN-PHENIX	6.5	3.53	2.49		8.8		.5 .6	10		FC36
146	2/2	0755 / 0805	STUNDEN	6.0	3.82	1.88		7.2		.5 .6	9		"
147	2/9	1310 / 1320	"	3.0	2.06	1.89		3.9		.6	7		"
148	2/16	1245 / 1252	SADDORIS	3.8	1.10	2.67		2.9		.5	5		FC26
149	2/24	0820 / 0835	STUNDEN	6.0	2.44	2.66		6.5		.5 .6	8		FC36
150	3/15	0912 / 0922	STUNDEN-SJOSTEDT	10.0	1.65	1.28		2.1		.5	10		"
151	3/15	0925 / 0931	" "	2.5	1.24	2.33		2.9		.6	6		"
152	4/4	1000 / 1015	STUNDEN	2.9	1.44	1.67		2.4		.5 .6	8		FC50
153	4/13	1335 / 1352	GODFREY	7.2	3.84	2.66		10.2		.5 .6	14		FC28
154	4/16	0845 / 0900	STUNDEN	5.8	3.27	1.86		6.1		.6	13		FC36
155	4/19	1330 / 1345	STUNDEN-SHIPLEY	5.1	2.87	1.81		5.2		.5 .6	11		"
156	4/22	1255 / 1310	" "	5.0	2.54	1.54		3.9		.5 .6	11		"
157	4/27	0740 / 0755	STUNDEN	5.0	3.24	2.00		6.5		.5 .6	11		"
158	4/30	1045 / 1100	"	5.0	2.92	1.75		5.1		.5 .6	11		"
159	5/2	0940 / 0955	"	5.0	2.85	1.61		4.6		.5 .6	11		"
160	5/10	0845 / 0900	"	5.0	3.01	2.39		7.2		.6	11		"
161	5/23	0835 / 0850	"	4.8	2.52	1.51		3.8		.5 .6	11		"
162	6/7	1500 / 1515	STUNDEN-SHIPLEY	5.0	2.12	1.41		3.0		.5	11		"
163	6/16	1115 / 1130	STUNDEN	4.3	2.45	1.02		2.5		.5	10		FC50
164	7/26	1030 / 1045	"	2.0	1.02	1.00		1.0		.5 .6	6		"
165	8/13	1125 / 1135	HOLLERON-STUNDEN	3.6	1.21	0.91		1.1		.5	11		"
166	9/6	0845 / 0855	HOLLERON	3.6	1.16	0.78		0.90		.5	10		FC48
			SANTA ANITA CREEK below Santa Anita Dam										
525	10/13	1510 / 1520	STUNDEN	1.6	0.46	1.20		0.55		.5	6		FC50
526	10/20	1300 / 1310	"	1.6	0.45	1.20		0.54		.5	6		"
527	10/27	0755 / 0800	"	1.8	0.28	0.97		0.27		.5	7		"
528	11/2	1400 / 1410	"	2.2	0.70	1.57		1.1		.5	6		FC36
529	11/3	1435 / 1445	"	1.0	0.14	0.92		0.13		.5	4		"
530	11/3	1450 / 1500	"	1.0	0.15	1.27		0.19		.5	5		FC50
531	11/10	0745 / 0752	"	1.0	0.20	1.30		0.26		.5	5		"
532	11/17	1130 / 1140	"	1.0	0.17	1.50		0.25		.5	5		"
533	11/23	0950 / 1000	"	1.1	0.20	1.52		0.31		.5	5		"
534	12/1	1010 / 1018	"	1.1	0.20	0.85		0.17		.5	5		"
535	12/8	1380 / 1342	"	1.1	0.25	1.36		0.34		.5	5		"
536	12/14	1322 / 1330	"	1.6	0.26	1.07		0.28		.5	6		"
537	12/22	1015 / 1022	"	1.6	0.28	1.25		0.35		.5	6		"
538	12/29	0842 / 0846	STUNDEN-FALCONE	1.6	0.32	1.03		0.33		.5	6		"
539	1/5	0740 / 0750	STUNDEN	1.6	0.34	1.11		0.38		.5	6		"
540	1/12	0730 / 0740	"	1.3	0.26	1.27		0.33		.5	5		"
541	1/19	1145 / 1150	STUNDEN-PHENIX	1.2	0.27	1.26		0.34		.5	5		"
542	1/27	0735 / 0750	" "	23.0	8.41	6.58		55.4		.6	13		FC36

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. NT. CHANGE TOTAL	METER NO.
543	1/28	1015 / 1020	GODFREY	13.5	15.0	3.35		50.3		.6	10		FC28
544	1/28	1410 / 1430	STUNDEN	15.5	24.8	4.60		114.		.6	13		FC36
545	2/16	1215 / 1220	SADDORIS	3.2	0.82	1.79		1.4		.5	6		FC26
546	3/7	1225 / 1235	STUNDEN	2.0	0.68	2.79		1.9		.5	5		FC36
547	3/14	0855 / 0910	"	4.5	1.61	3.95		6.4		.6	9		"
548	3/14	0925 / 0940	"	4.5	1.75	4.02		7.0		.6	10		"
549	3/18	1030 / 1045	"	3.4	1.61	1.66		3.0		.6	8		"
550	3/22	1235 / 1250	"	3.4	1.48	2.03		3.0		.6	8		"
551	3/23	0950 / 1010	"	10.0	2.76	3.44		9.5		.6	11		"
552	3/23	1645 / 1700	"	4.5	1.24	2.33		2.9		.6	10		"
553	3/27	1325 / 1340	"	4.3	2.23	2.50		5.6		.6	10		"
554	3/29	0840 / 0905	"	3.7	2.54	2.10		5.4		.6	9		"
555	3/30	0805 / 0820	"	3.7	2.55	2.04		5.2		.6	9		"
556	4/1	0855 / 0910	"	3.7	2.47	2.08		5.1		.6	9		"
557	4/2	0750 / 0805	"	3.6	2.36	2.18		5.1		.6	9		"
558	4/4	0805 / 0815	"	3.5	2.35	2.21		5.2		.6	8		"
559	4/5	1300 / 1310	"	4.0	1.08	1.85		2.0		.6	9		"
560	4/16	0950 / 1000	"	2.5	0.92	1.85		1.7		.5	6		"
561	4/19	1230 / 1240	"	2.3	1.01	1.68		1.7		.5	6		"
562	4/23	0920 / 0935	"	3.5	1.92	3.49		6.7		.6	8		"
563	4/24	0800 / 0815	"	4.3	2.10	3.10		6.5		.6	10		"
564	4/24	1035 / 1050	"	5.5	2.88	3.32		9.6		.6	12		"
565	4/25	1900 / 1915	"	6.0	3.30	2.82		9.4		.6	13		"
566	4/26	0815 / 0830	"	5.7	3.21	2.96		9.5		.6	12		"
567	4/28	0905 / 0920	"	6.2	3.62	2.55		9.3		.6	13		"
568	4/30	0845 / 0900	"	6.0	3.46	2.75		9.5		.6	12		"
569	5/2	0830 / 0845	"	6.0	3.68	2.50		9.2		.6	13		
570	5/3	1330 / 1345	SADDORIS	9.9	3.14	2.83		8.9		.6	11		FC26
571	5/7	1645 / 1700	STUNDEN	3.9	1.69	1.78		3.0		.6	9		FC36
572	5/10	0740 / 0755	"	4.1	1.42	2.18		3.1		.6	10		"
573	5/17	0745 / 0800	"	3.9	1.62	1.91		3.1		.6	8		"
574	5/23	0730 / 0740	"	5.0	2.06	1.61		3.3		.5	8		"
575	5/31	1045 / 1055	"	5.0	1.90	1.68		3.2		.5	11		"
576	6/2	1015 / 1030	"	4.7	1.46	1.71		2.5		.5	11		FC50
577	6/7	1335 / 1350	"	3.7	1.40	1.79		2.5		.5	9		"
578	6/11	0850 / 0910	"	6.5	3.48	2.94		10.2		.6	14		FC12
579	6/14	0840 / 0855	HOLLERON-STUNDEN	6.4	3.52	2.78		9.8		.6	14		"
580	6/16	0920 / 0940	STUNDEN	5.0	3.70	2.57		9.5		.6	11		FC36
581	7/5	0810 / 0820	HOLLERON	3.3	1.41	1.84		2.6		.5	8		FC48
582	7/19	0750 / 0800	STUNDEN	3.3	1.45	1.52		2.2		.5	8		FC48
583	7/26	1130 / 1140	"	3.3	1.37	1.60		2.2		.5	8		"
584	8/9	0740 / 0750	"	3.2	1.15	1.83		2.1		.5	9		FC50
585	8/13	0840 / 0850	HOLLERON-STUNDEN	6.8	3.28	2.41		7.9		.6	10		FC34
586	8/13	0925 / 0940	" "	5.8	3.05	2.62		8.0		.6	10		"
587	8/15	0820 / 0835	STUNDEN	6.3	3.17	2.32		7.2		.6	10		FC36
588	8/16	1110 / 1125	HOLLERON-STUNDEN	6.4	3.11	1.80		5.6		.6	13		"
589	8/16	1525 / 1540	HOLLERON	5.4	3.18	1.93		6.1		.6	12		"
590	8/18	0920 / 0935	STUNDEN-SHIPLEY	3.5	0.56	2.68		1.5		.6	7		"
591	8/23	0730 / 0745	STUNDEN	2.5	0.50	2.00		1.0		.5	6		"
592	8/30	1205 / 1215	HOLLERON	2.0	0.36	1.45		0.52		.5	7		FC50
593	9/6	0735 / 0745	"	2.0	0.40	1.45		0.58		.5	7		"
594	9/13	0805 / 0815	"	2.0	0.42	1.45		0.61		.5	7		FC48
595	9/20	0810 / 0820	"	2.1	0.45	1.51		0.68		.5	7		"
596	9/27	0810 / 0820	"	2.1	0.44	1.45		0.64		.5	7		"
			SANTA ANITA CREEK below Spreading Grounds Diversion										
91	1/28	1035 / 1040	GODFREY	18.0	7.28	1.39		10.1		.6	10		FC28
92	1/28	1110 / 1115	"	17.5	6.97	1.41		9.8		.6	7		"
93	1/28	1935 / 1955	DE MARS - WINSTANLEY	21.5	20.7	2.96		61.3		.6	13		FC34
94	1/29	1220 / 1234	GODFREY	20.7	13.3	3.00		39.9		.6	12		FC28
95	1/29	1420 / 1426	"	24.5	21.7	3.92		85.1		.6	17		"

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. NT. CHANGE TOTAL	METER NO.
96	3/28	1440 / 1050	STUNDEN	3.5	0.78	2.58		2.0		.5	8		FC50 FC36
97	3/28	1510 / 1520	"	3.5	0.93	2.61		2.4		.5	8		FC36
98	3/29	0740 / 0750	"	4.0	1.68	1.64		2.8		.5	9		"
99	3/30	0720 / 0735	"	4.0	1.63	1.59		2.6		.5	8		"
100	4/1	0830 / 0840	"	4.0	1.62	1.52		2.5		.5	9		"
101	4/2	1105 / 1115	"	4.0	1.56	1.42		2.2		.5	9		"
102	4/3	0730 / 0740	"	4.0	1.47	1.38		2.0		.5	9		"
103	4/4	0810 / 0820	"	3.6	1.52	1.34		2.0		.5	8		"
104	4/6	1610 / 1620	"	2.3	0.74	2.43		1.8		.5	6		"
105	4/23	1420 / 1426	"	1.3	0.37	1.16		0.43		.5	5		"
106	4/23	1550 / 1600	"	2.3	0.56	1.47		0.82		.5	5		FC36
107	4/24	0730 / 0740	"	2.9	1.21	1.49		1.8		.5	9		FC50
108	4/24	1130 / 1140	"	3.0	1.45	1.65		2.4		.5	7		FC36
109	4/25	0830 / 0840	"	3.5	1.43	2.24		3.2		.5	8		"
110	4/26	0745 / 0755	"	3.5	1.40	1.86		2.6		.5	8		"
111	4/28	0840 / 0850	"	3.5	1.71	1.76		3.0		.5	8		"
112	4/28	0945 / 0955	STUNDEN-GREEN	1.6	0.65	1.63		1.1		.5	6		FC50
113	4/30	0805 / 0815	STUNDEN	2.2	1.09	1.82		2.0		.5	7		"
114	4/30	0925 / 0935	"	2.2	1.15	2.44		2.8		.5	5		FC36
115	5/1	0820 / 0830	"	2.3	1.31	2.29		3.0		.6	6		"
116	5/2	0800 / 0810	"	2.3	1.29	2.48		3.2		.5	6		"
117	5/3	1310 / 1320	SADDORIS	2.3	1.25	2.48		3.1		.5	6		FC26
118	6/11	0945 / 0956	STUNDEN-BRADLEY	4.4	2.71	1.59		4.3		.5	10		FC12
119	6/11	1015 / 1025	" "	3.5	1.27	1.89		2.4		.5	8		"
120	6/11	1030 / 1036	" "	3.0	1.12	1.69		1.9		.5	7		"
121	6/12	1550 / 1600	STUNDEN	3.2	1.29	1.32		1.7		.5	8		"
122	6/13	1500 / 1515	"	3.2	1.33	1.36		1.8		.5	8		"
123	6/14	0913 / 0930	HOLLERON	3.3	1.29	1.16		1.5		.5	8		"
124	6/16	0830 / 0845	STUNDEN	3.0	1.16	1.21		1.4		.5	7		FC36
125	6/18	0930 / 0945	"	3.2	1.31	1.76		2.3		.5	9		FC50
126	6/21	1420 / 1430	"	3.2	1.26	1.82		2.3		.6	8		"
127	6/28	0815 / 0825	HOLLERON-STUNDEN	3.3	1.34	1.79		2.4		.5	8		FC36
128	7/12	0940 / 0950	HOLLERON	3.3	1.45	1.86		2.7		.5	8		FC34
129	8/2	1110 / 1120	STUNDEN	3.2	1.32	1.67		2.2		.6	9		FC50
			SAWPIT CREEK Outflow from Sawpit Dam										
40	11/17	1025	STUNDEN					0.08		VOLUMETRIC			
41	11/23	1330	"					0.05		"			
42	12/4	1140	"					0.08		"			
43	12/14	1110	"					0.10		"			
44	12/29	1110	"					0.13		"			
45	1/5	0850	"					0.13		"			
46	1/12	1030	"					0.13		"			
47	1/19	1050	"					0.13		"			
48	3/6	1025	"					0.27		"			
49	3/29	1220	"					0.33		"			
50	5/9	1016	"					0.33		"			
51	6/7	1130	"					0.17		"			
52	6/28	1240	"					0.10		"			
53	7/5	1500	HOLLERON					0.07		"			
54	7/12	1445	"					0.07		"			
			RIO HONDO below San Gabriel Boulevard										
3	5/15	1125 / 1135	WADDICOR-SADDORIS	20.0	6.27	1.20		6.9		.5	12		FC37
4	5/22	1500 / 1515	WADDICOR	26.0	7.92	0.96		7.6		.6	10		"
5	5/23	1500 / 1515	"	26.0	7.49	0.96		7.2		.6	10		"

DISCHARGE MEASUREMENTS OF RIO HONDO DRAINAGE AREA

AT Miscellaneous Points 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.	RAT-ING	METH-OD	MEAS. SEC. NO.	S. HT. CHANGE TOTAL	METER NO.
			SANTA ANITA CREEK above Santa Anita Dam										
167	10/18	0830 / 0840	HOLLERON	3.0	0.95	0.72		0.68		.5	7		FC48
168	11/8	0905 / 0915	"	3.0	0.90	0.77		0.69		.5	7		"
169	12/24	0845 / 0855	"	2.7	1.10	0.74		0.81		.5	8		"
170	1/15	1407 / 1422	HOLLERON- MC BRIDE	8.4	3.41	1.17		4.0		.5/.6	10		FC34
171	2/13	1525 / 1545	HOLLERON-SHIPLEY	5.9	1.83	0.98		1.8		.5	7		"
172	2/27	1010 / 1026	HOLLERON	6.7	2.49	1.73		4.3		.5/.6	11		FC56
173	3/19	1448 / 1500	"	5.3	1.94	1.65		3.2		.5/.6	10		FC34
174	4/24	1328 / 1338	HOLLERON-SHIPLEY	4.0	1.27	1.88		2.4		.5	9		"
175	6/3	1138 / 1150	HOLLERON	4.8	1.69	1.13		1.9		.5/.6	10		FC56
176	6/26	1556 / 1604	"	4.6	1.15	0.96		1.1		.5	10		FC48
177	7/24	1340 / 1352	"	3.7	1.42	0.66		0.94		.5/.6	10		"
178	8/19	1048 / 1100	"	3.0	1.18	0.59		0.70		.5	10		"
			SANTA ANITA CREEK below Santa Anita Dam										
597	10/4	1540 / 1550	HOLLERON-HENSLEY	2.2	0.38	1.66		0.64		.5	8		FC48
598	10/11	1020 / 1030	HOLLERON	2.2	0.39	1.62		0.63		.5	7		"
599	10/18	0715 / 0725	"	2.2	0.37	1.54		0.57		.5	7		"
600	10/25	0830 / 0840	HOLLERON-FALCONE	2.2	0.37	1.43		0.53		.5	7		"
601	11/1	0750 / 0800	HOLLERON	2.2	0.39	1.41		0.55		.5	7		"
602	11/8	0810 / 0820	"	2.2	0.35	1.40		0.49		.5	7		"
603	11/15	0805 / 0815	"	2.2	0.41	1.27		0.52		.5	7		"
604	11/21	0810 / 0820	"	2.1	0.39	1.31		0.51		.5	7		"
605	11/29	0900 / 0910	HOLLERON-BOWMAN	2.1	0.38	1.19		0.45		.5	7		"
606	12/6	0815 / 0825	HOLLERON	2.0	0.35	1.29		0.45		.5	7		"
607	12/13	1030 / 0420	HENSLEY-HOLLERON	2.0	0.28	0.86		0.24		.5	7		"
608	12/20	1115 / 1125	HOLLERON-ROY	1.7	0.20	0.90		0.18		.5	7		"
609	12/27	0810 / 0820	HOLLERON	2.6	0.43	0.51		0.22		.5	7		"
610	1/3	1245 / 1255	"	4.0	0.64	1.17		0.75		.5	10		"
611	1/10	1515 / 1525	HOLLERON-HENSLEY	4.0	0.67	1.22		0.82		.5	9		"
612	1/14	1130 / 1145	HOLLERON	9.7	4.12	3.06		12.6		.5/.6	11		FC34
613	1/17	0800 / 0814	"	10.0	4.44	2.41		10.7		.5/.6	11		"
614	1/17	0835 / 0945	"	6.9	3.14	0.99		3.1		.5/.6	11		"
615	1/24	0915 / 0930	"	5.7	2.21	0.86		1.9		.5/.6	10		"
616	1/26	1405 / 1420	HOLLERON-HENSLEY	6.8	2.98	1.04		3.1		.6	11		"
617	1/31	0842 / 0856	HOLLERON	4.9	2.92	1.06		3.0		.6	11		"
618	2/7	1100 / 1110	"	5.0	2.89	1.11		3.2		.6	11		"
619	2/14	0845 / 0905	"	4.9	3.17	0.95		3.0		.6	11		"
620	2/21	1108 / 1120	HOLLERON-MC BRIDE	4.9	2.89	1.00		2.9		.6	11		"
621	2/24	1506 / 1522	HOLLERON	9.8	5.32	2.78		14.8		.5/.6	12		FC56
622	2/27	0850 / 0910	"	5.1	2.97	0.91		2.7		.5/.6	11		"
623	3/7	0848 / 0904	"	5.0	2.91	1.00		2.9		.6	11		FC48
624	3/14	1410 / 1423	HOLLERON-WOOD	5.1	2.95	0.98		2.9		.6	11		FC34
625	3/18	0911 / 0935	HOLLERON	9.6	5.07	3.04		15.4		.6	12		"
626	3/19	0810 / 0835	"	9.7	5.60	2.69		15.1		.6	17		"
627	3/21	0820 / 0904	"		COMPOS	TE		14.6		.5 WEIR			"
628	3/22	1207 / 1223	"	5.5	2.36	1.27		3.0		.5/.6	12		"
629	3/28	0838 / 0852	"	5.5	2.27	1.28		2.9		.5/.6	12		FC56
630	4/4	0814 / 0830	"	5.6	2.36	1.27		3.0		.5	12		"
631	4/11	0814 / 0828	HOLLERON-MC BRIDE	5.5	2.39	1.26		3.0		.5	12		"
632	4/18	1240 / 1255	HOLLERON	5.5	2.30	1.26		2.9		.5	12		"
633	4/25	0828 / 0842	"	5.5	2.02	1.34		2.7		.5	12		FC48
634	5/2	1240 / 1254	HOLLERON-BROOK	5.5	2.06	1.31		2.7		.5	12		FC56
635	5/9	0854 / 0900	HOLLERON	0.7	0.09	0.89		0.08		.5	6		FC48
636	5/13	1245 / 1255	"	1.7	0.49	1.53		0.75		.5	8		"
637	5/16	0841 / 0849	"	1.7	0.50	1.52		0.76		.5	8		"
638	5/23	0818 / 0830	HOLLERON-LINDSAY	1.7	0.59	1.44		0.85		.5	8		"
639	5/29	0825 / 0835	HOLLERON	1.8	0.63	1.22		0.77		.5	9		"
640	6/6	0826 / 0834	HOLLERON-ROY	1.8	0.66	1.32		0.87		VOL. .6			"
641	6/13	0832 / 0842	HOLLERON	1.8	0.70	1.34		0.94		.5	9		"
642	6/17	1110 / 1131	"	10.2	4.96	2.52		12.6		.5/.6	15		FC56
643	6/18	0800	HOLLERON		COMPOS	TE		12.5		.5 WEIR			FC56
644	6/19	0805 / 0829	"	10.3	5.37	2.29		12.3		.5/.6	17		"
645	6/20	0848 / 0858	"	2.1	0.94	1.70		1.6		.5	8		FC48
646	6/27	0841 / 0849	"	2.0	0.75	1.21		0.91		.5	7		"
647	7/3	1014 / 1022	"	2.1	0.81	1.22		0.99		.5	8		"
648	7/11	0812 / 0826	"	2.0	0.82	1.21		0.99		.5	11		"
649	7/18	0815 / 0829	ROY-HOLLERON	2.0	0.88	1.11		0.98		.5	11		"
650	7/22	1453 / 1507	HOLLERON	3.0	1.38	1.16		1.6		.5/.6	10		"
651	7/29	0820 / 0838	"	3.0	1.25	1.36		1.7		.5	10		"
652	8/1	0805 / 0820	"	3.0	1.27	1.26		1.6		.5	12		"
653	8/8	1650 / 1602	"	4.8	1.84	0.87		1.6		.5	10		"
654	8/15	0808 / 0822	HOLLERON-ROY	3.0	1.31	1.22		1.6		.6	12		"
655	8/22	0835 / 0851	HOLLERON	3.0	1.28	1.17		1.5		.5	12		"
656	8/29	0808 / 0823	"	3.0	1.27	1.18		1.5		.5	12		"
657	9/5	0912 / 0928	"	3.0	1.25	1.20		1.5		.5/.6	12		"
658	9/13	0820 / 0834	"	3.0	1.25	1.21		1.5		.5	12		"
659	9/19	0825 / 0837	ROY	4.0	1.25	1.20		1.5		.5	13		"
660	9/25	1130 / 1145	"		CHANNELS			1.5		.6	9		"
			SANTA ANITA CREEK below Spreading Grounds Diversion										
130	1/2	1415 / 1425	HOLLERON	3.8	0.47	1.36		0.64		.5	8		FC48
131	1/17	0822 / 0830	"	3.0	1.55	1.03		1.6		.5/.6	7		"
132	2/24	1550 / 1602	"	4.4	1.30	2.00		2.6		.5	10		FC56
133	2/26	1510 / 1520	"	5.0	1.56	1.73		2.7		.5	11		"
134	3/18	1028 / 1036	"	4.0	1.84	2.01		3.7		.5/.6	9		FC34
135	3/19	0900 / 0912	"	4.1	1.51	1.52		2.3		.5	9		"
136	3/19	0935 / 0943	"	4.1	1.68	1.61		2.7		.5/.6	9		"
137	3/19	1056 / 1104	"	4.1	1.90	1.84		3.5		.6	10		"
138	3/19	1117 / 1126	"	4.1	2.01	1.69		3.4		.5/.6	10		"
139	3/19	1155 / 1205	"	4.1	1.84	1.68		3.1		.5/.6	10		"
140	3/19	1228 / 1238	"	4.1	1.69	1.60		2.7		.5/.6	10		"
141	3/21	0850 / 0904	"	4.1	1.76	1.54		2.7		.6	10		"
142	6/17	1145 / 1155	"	8.0	2.24	1.11		2.5		.5	10		"
143	6/17	1420 / 1430	"	8.0	2.43	1.23		3.0		.5	10		FC56
144	6/18	0836 / 0846	"	8.0	2.16	1.13		2.3		.5	11		"
145	6/18	0900 / 0916	"	8.0	2.48	1.22		3.0		.5	13		"
146	6/19	0855 / 0905	"	9.0	2.77	1.12		3.1		.5	13		"
			SAWPIT CREEK outflow from Sawpit Dam										
55	1/31	1710 / 1720	HOLLERON	2.3	0.34	0.71		0.24		.5	6		FC48
56	2/7	1300 / 1310	"	1.2	0.22	0.68		0.15		.5	5		"
57	2/14	1300 / 1305	"	1.2	0.20	0.35		0.07		.5	5		"
58	2/21	1355	HOLLERON-MC BRIDE					0.17		VOL.			
59	2/23	0955 / 1003	HOLLERON-BROOK	3.6	1.72	1.63		2.8		.6	8		FC34
60	2/28	1628 / 1636	HOLLERON-HENSLEY	3.1	0.90	0.69		0.62		.5	8		FC48
61	3/1	1445 / 1455	HENSLEY-HOLLERON	3.1	0.94	0.77		0.73		.5	9		"
62	3/14	1110 / 1116	WOOD-HOLLERON	3.1	0.80	0.45		0.36		.5	8		"
63	3/21	1338 / 1344	HOLLERON	1.7	0.41	0.83		0.34		.5	6		"
64	3/28	1235	"					0.28		VOL.			
65	4/18	1400	"					0.19		VOL.			
66	4/25	1420	"					0.21		VOL.			
			BUENA VISTA CHANNEL above Buena Vista Pit										
1	3/29	0755 / 0805	HOLLERON	7.0	0.58	1.55		0.90		.5	11		FC48
2	5/3	0757 / 0809	HOLLERON-BROOK	8.5	0.95	1.69		1.6		.5	9		"
3	5/16	1330 / 1338	HOLLERON	11.8	1.84	0.87		1.6		.5	8		"
4	5/23	1415 / 1428	HOLLERON-LINDSAY	11.8	1.77	1.13		2.0		.5	13		"
5	5/29	1251 / 1259	HOLLERON	7.3	0.59	0.75		0.44		.5	9		"
6	6/17	0917 / 0927	"	11.8	1.45	1.04		1.5		.5	9		"
7	6/27	1440 / 1448	"	10.5	1.43	0.63		0.90		.5	12		"
8	7/3	1130 / 1136	"	11.0	1.06	0.69		0.73		.5	7		"
9	8/9	0805 / 0819	"	12.0	2.18	0.96		2.1		.5	15		"
10	8/29	1542 / 1548	"	12.0	2.13	1.08		2.3		.5	15		"
11	9/19	1610 / 1624	"	12.0	1.96	1.12		2.2		.5	13		"

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER DRAINAGE AREA

AT Miscellaneous Points 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.	G. HT. CHANGE TOTAL	METER NO.
			SAN GABRIEL RIVER - WEST FORK above Bear Creek										
130	10/6	1007 / 1022	DE VORE	16.0	13.1	0.86		11.2		.6	13		FC22
131	10/20	0959 / 1013	"	16.7	12.2	0.81		9.9		.5 .6	13		"
132	11/3	1013 / 1024	"	11.6	7.91	1.06		8.4		.5 .6	13		"
133	11/23	1332 / 1341	"	10.2	4.02	0.21		0.83		.5 .6	10		"
134	12/8	0937 / 0946	"	6.3	2.77	0.38		0.72		.5 .6	9		"
135	12/22	1018 / 1029	"	6.4	2.87	0.23		0.65		.5 .6	9		"
136	1/5	1011 / 1020	"	6.7	2.89	0.30		0.88		.5 .6	8		"
137	1/19	0943 / 1052	"	6.9	3.22	0.30		0.95		.5 .6	8		"
138	2/9	1000 / 1008	"	14.8	5.16	0.68		3.5		.5 .6	11		"
139	3/1	0943 / 0955	"	14.5	5.05	0.59		3.0		.5 .6	12		"
140	3/15	1016 / 1030	"	14.0	6.42	0.34		2.2		.5 .6	12		"
141	3/29	1200 / 1207	SADDORIS	5.0	1.40	0.85		1.2		.5 .6	7		FC26
142	4/19	1310 / 1335	"	16.2	7.90	1.30		10.3		.6	18		"
143	5/3	0946 / 1001	DE VORE	24.0	10.8	1.60		17.3		.5 .6	14		FC22
144	5/24	1018 / 1032	DE VORE - SJOSTEDT	13.2	11.7	1.22		14.3		.6	14		"
145	6/7	1421 / 1439	SJOSTEDT	13.6	11.0	1.22		13.4		.6	15		FC47
146	6/21	1335 / 1351	DE VORE	13.6	9.45	0.76		7.2		.5 .6	14		FC18
147	7/5	1018 / 1031	DE VORE - BOWMAN	13.8	9.41	0.75		7.1		.5 .6	14		FC22
148	7/19	1307 / 1318	DE VORE	13.8	9.29	0.61		5.7		.5 .6	14		"
149	8/2	1028 / 1042	DE VORE	13.5	8.60	0.58		5.0		.5 .6	14		"
150	8/16	1210 / 1232	FALCONE-SJOSTEDT	13.6	8.66	0.69		6.0		.5 .6	16		"
151	8/30	0959 / 1014	DE VORE	13.9	8.83	0.65		5.7		.5 .6	13		"
152	9/13	1017 / 1034	"	13.8	8.86	0.62		5.5		.5 .6	14		"
			BEAR CREEK above Junction with San Garbiel River										
117	10/6	0948 / 1054	DE VORE	1.9	0.55	0.58		0.32		.5	6		FC22
118	10/20	0945 / 0950	"	2.2	0.61	0.61		0.37		.5	6		"
119	11/3	0953 / 1000	"	4.2	1.63	0.31		0.50		.5	9		"
120	11/23	1003 / 1012	"	4.2	2.24	1.07		2.4		.6	8		"
121	12/8	0931 / 0930	"	4.3	2.46	1.26		3.1		.6	8		"
122	12/22	1003 / 1012	"	4.3	2.37	1.14		2.7		.6	8		"
123	1/5	0950 / 0959	"	4.3	2.45	1.22		3.0		.5 .6	8		"
124	1/19	0926 / 0937	"	4.3	2.33	1.24		2.9		.5 .6	9		"
125	2/9	0927 / 0945	"	19.4	13.7	0.69		9.5		.5 .6	14		"
126	3/1	0918 / 0935	"	15.7	9.78	0.75		7.3		.5 .6	16		"
127	3/15	0949 / 1006	"	9.1	5.36	1.08		5.8		.6	14		"
128	3/29	1125 / 1134	SADDORIS	7.5	4.10	1.15		4.7		.5 .6	9		FC26
129	4/19	1343 / 1400	"	19.9	16.6	1.26		21.0		.6	21		"
130	5/3	0916 / 0934	DE VORE	21.0	16.1	0.91		14.6		.5 .6	15		FC22
131	5/24	0952 / 1007	DE VORE - SJOSTEDT	20.7	15.2	0.77		11.7		.6	14		"
132	6/7	1358 / 1411	SJOSTEDT	8.0	4.98	1.35		6.7		.6	9		FC47
133	6/21	1315 / 1325	DE VORE	7.7	4.28	1.07		4.6		.5 .6	9		FC18
134	7/5	1000 / 1009	DE VORE - BOWMAN	7.2	3.58	0.87		3.1		.6	9		FC22
135	7/19	1331 / 1339	DE VORE	7.0	2.19	0.37		0.81		.5	8		"
136	8/2	1013 / 1021	DE VORE - SJOSTEDT	7.2	2.46	0.31		0.77		.5	9		"
137	8/16	1152 / 1200	FALCONE-SJOSTEDT	1.7	0.57	0.56		0.32		.5	5		"
138	8/30	0943 / 0950	DE VORE	2.0	0.60	0.68		0.41		.5	6		"
139	9/13	1003 / 1009	"	1.7	0.53	0.38		0.20		.5	6		"
			SAN GABRIEL RIVER NORTH FORK above Junction with West Fork										
130	10/6	0910 / 0921	DE VORE	6.4	5.20	0.35		1.8		.5	9		FC22
131	10/20	0914 / 0925	"	6.6	5.04	0.40		2.0		.5 .6	10		"
132	11/3	0920 / 0930	"	5.3	2.66	0.71		1.9		.5 .6	10		"
133	11/23	0938 / 0950	"	6.4	3.12	0.77		2.4		.6	11		"
134	12/8	0857 / 0906	"	5.6	3.06	0.88		2.7		.6	8		"
135	12/22	0938 / 0949	"	5.7	3.17	0.85		2.7		.6	10		"
136	1/5	0858 / 0909	"	5.6	3.23	0.93		3.0		.6	10		"
137	1/19	0857 / 0911	"	5.8	2.95	0.98		2.9		.6	10		"
138	2/9	1344 / 1353	"	5.5	3.46	1.82		6.3		.5 .6	10		"
139	3/1	0847 / 0900	"	5.8	3.68	1.47		5.4		.5 .6	11		"
140	3/15	0923 / 0934	"	6.0	3.35	1.40		4.7		.6	11		"
141	3/29	1105 / 1112	SADDORIS	4.8	8.26	0.52		4.3		.5	6		FC26
142	4/19	1410 / 1422	"	5.9	3.28	1.69		5.6		.6	13		"
143	5/3	0841 / 0853	DE VORE	6.7	3.66	1.45		5.3		.5 .6	10		FC22
144	5/24	0923 / 0932	DE VORE-SJOSTEDT	7.3	4.12	1.31		5.4		.5 .6	10		"
145	6/7	1327 / 1336	SJOSTEDT	6.0	3.22	1.15		3.7		.6	7		FC47
146	6/21	1139 / 1150	DE VORE	6.0	3.15	1.05		3.3		.5 .6	11		FC18
147	7/5	0936 / 0946	DE VORE - BOWMAN	7.1	2.73	0.99		2.7		.5 .6	11		FC22
148	7/19	1403 / 1412	DE VORE	6.6	2.18	0.78		1.7		.5 .6	10		"
149	8/2	0948 / 0956	DE VORE- SJOSTEDT	7.5	3.20	0.69		2.2		.5 .6	10		"
150	8/16	1119 / 1128	FALCONE-SJOSTEDT	4.0	2.04	0.78		1.6		.5 .6	8		"
151	8/30	0910 / 0923	DE VORE	5.8	2.43	0.82		2.0		.5 .6	10		"
152	9/13	0931 / 0942	"	7.0	2.33	0.56		1.3		.5 .6	10		"
			SAN GABRIEL RIVER - CATTLE CANYON above East Fork										
57	10/13	1430 / 1438	DE VORE	8.8	2.61	0.42		1.1		.5	9		FC22
58	10/27	1603 / 1609	"	9.3	3.06	0.49		1.5		.5	8		"
59	11/10	1543 / 1552	"	8.7	2.79	0.47		1.3		.5	9		"
60	12/15	1552 / 1602	"	9.6	2.76	0.91		2.5		.5	9		"
61	1/12	1627 / 1636	"	7.8	2.35	0.94		2.2		.5	8		"
62	2/2	1654 / 1701	"	9.8	4.23	1.94		8.2		.5	9		"
63	2/16	1613 / 1621	"	9.5	3.81	1.99		7.6		.5 .6	9		"
64	3/8	1052 / 1101	"	10.0	3.91	1.69		6.6		.5 .6	9		"
65	3/22	1543 / 1551	DE VORE - SADDORIS	9.8	3.36	1.76		5.9		.5	9		"
66	4/5	1635 / 1644	DE VORE	9.7	3.69	1.54		5.7		.5 .6	10		"
67	5/17	1627 / 1638	DE VORE	14.2	4.31	1.81		7.8		.5 .6	10		"
68	5/31	1631 / 1643	"	6.4	3.17	2.40		7.6		.5 .6	11		"
69	6/14	1646 / 1700	"	6.2	2.88	1.84		5.3		.5 .6	11		"
70	6/28	1628 / 1636	"	5.8	2.43	1.36		3.3		.5 .6	10		"
71	7/12	1623 / 1634	"	5.6	2.28	1.05		2.4		.6	11		"
72	9/6	1720 / 1730	"	5.0	1.62	0.61		0.98		.5	10		"
73	9/27	1040 / 1050	"	4.8	1.78	0.73		1.3		.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.	RATINGS	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			BIG DALTON WASH below Azusa Canal										
14	2/16	1610 / 1622	MIDDLETON	6.5	2.66	1.09		2.9		.6	10		FC49
15	3/29	1520 / 1534	"	8.6	2.65	1.47		3.9		.6	11		"
16	4/20	1015 / 1027	"	3.6	0.60	0.78		0.47		.6	9		"
17	5/17	1020 / 1035	"	CHANNELS				0.35		.6	12		"
18	5/17	1140 / 1150	"	3.5	1.35	0.82		1.1		.6	8		"
19	5/25	1610 / 1622	"	4.0	0.74	1.23		0.91		.6	9		"
20	5/31	0805 / 0815	"	3.5	2.10	1.14		2.4		.6	8		"
21	5/31	0909 / 0924	"	8.5	3.78	1.08		4.1		.6	13		"
22	6/14	1545 / 1555	"	3.5	1.02	1.37		1.4		.6	8		"
23	6/21	1526 / 1540	"	10.0	5.15	1.01		5.2		.6	11		FC54
24	6/28	1440 / 1450	"	3.5	0.93	1.51		1.4		.6	8		FC49
25	6/28	1625 / 1635	"	6.5	1.33	0.71		0.95		.6	8		"
26	7/6	0940 / 0950	"	3.5	1.73	1.79		3.1		.6	9		FC54
27	7/19	0900 / 0910	"	6.0	1.11	1.00		1.1		.6	9		FC49
28	7/25	1508 / 1516	SADDORIS-MIDDLETON	3.5	0.82	1.34		1.1		.6	8		"
29	8/29	0945 / 0955	ROY-MIDDLETON	7.0	2.90	0.97		2.8		.6	8		FC43
			SAN DIMAS CREEK above San Dimas Dam										
101	1/31	1015 / 1021	MIDDLETON-LANPHEAR	7.5	2.12	1.56		3.3		.6	9		FC54
102	3/15	1037 / 1045	MIDDLETON-ROYSTON	3.4	0.53	1.25		0.66		.6	8		FC49
103	3/22	0950 / 1000	SJOSTEDT-MIDDLETON	3.6	0.44	1.30		0.57		.6	8		"
104	4/20	1050 / 1100	MIDDLETON-ROYSTON	3.4	0.52	1.29		0.67		.6	8		"
105	4/20	1103 / 1112	" "	2.8	0.69	0.99		0.68		.6	8		FC54
106	5/23	1456 / 1505	MIDDLETON	2.1	0.26	1.19		0.31		.6	8		FC49
			SAN DIMAS CREEK - OLD WATER TUNNEL below San Dimas Dam										
36	1/12	1526 / 1530	MIDDLETON	0.8	0.05	0.20		0.01		.6	4		FC49
37	1/31	1138 / 1120	MIDDLETON-LANPHEAR	0.8	0.10	0.60		0.06		.6	3		FC54
38	3/1	1525 / 1527	MIDDLETON	0.9	0.07	0.71		0.05		.6	4		FC49
39	4/5	1150 / 1154	"	0.6	0.04	0.75		0.03		.6	4		"
40	4/9	0848 / 0852	"	0.8	0.06	0.67		0.04		.6	5		"
41	4/19	1126 / 1130	MIDDLETON-ROYSTON	0.9	0.08	0.62		0.05		.6	4		"
42	6/13	0430 / 0435	MIDDLETON	1.2	0.10	0.50		0.05		.6	5		"
43	7/5	1524 / 1530	"	0.8	0.08	0.63		0.05		.6	5		"
44	9/6	0926 / 0931	"	0.4	0.02	0.50		0.01		.6	3		"
			WALNUT CREEK at Oak Lane										
	10/31	1915 / 1942	MIDDLETON-WHISLER	37.5	58.6	2.99		175.		.6	21		FC54
	10/31	1945 / 2018	WHISLER-MIDDLETON	37.5	57.5	2.99		171.		.6	22		FC5
	11/3	1200 / 1240	MIDDLETON-GARDNER	38.0	63.0	5.52		348.		.2 .8	21		FC54
	11/3	1245 / 1320	" "	38.0	62.0	5.44		337.		.2 .8	22		"
	11/10	1225 / 1250	MIDDLETON-SADDORIS	38.5	73.0	4.51		329.		.6	22		"
	11/10	1300 / 1330	SADDORIS-MIDDLETON	38.5	73.6	4.34		319.		.6	23		FC40
	12/12	1100 / 1125	MIDDLETON-WHISLER	38.0	75.7	4.70		356.		.6	22		FC54
	12/12	1139 / 1158	WHISLER-MIDDLETON	38.0	75.3	4.59		346.		.6	21		FC5
	12/23	0707 / 0722	STUNDEN-MIDDLETON	36.0	23.1	1.72		39.7		.6	20		FC36
	12/23	0725 / 0740	MIDDLETON-STUNDEN	36.0	22.7	1.67		37.9		.6	19		FC54
			WALNUT CREEK at Garvey Avenue										
	12/23	0750 / 0800	MIDDLETON-STUNDEN	29.0	20.8	1.89		39.3		.6	16		FC54
	12/23	0802 / 0812	STUNDEN-MIDDLETON	29.0	21.1	1.74		36.7		.6	16		FC36
			WALNUT CREEK above River Grade Road										
	12/12	1430 / 1500	MIDDLETON-WHISLER	100.	86.5	3.54		306.		.6	27		FC54
	12/12	1510 / 1536	WHISLER-MIDDLETON	100.	84.4	3.55		300.		.6	26		"
			WALNUT CREEK below River Grade Road										
	10/31	2017 / 2048	STUNDEN-LINDSAY	48.5	64.5	1.81		117.		.6	24		FC36
	11/3	1130 / 1205	STUNDEN	47.0	84.0	3.00		251.		.2 .6 .2	23		"
	11/3	1207 / 1247	"	47.0	84.2	3.00		253.		.2 .6 .2	23		"
	5/12	1418 / 1443	MIDDLETON-SJOSTEDT	67.0	65.7	4.35		286.		.6	24		FC54
	5/12	1455 / 1520	SJOSTEDT-MIDDLETON	67.0	64.6	4.34		281.		.6	24		FC47
	5/14	1209 / 1227	MIDDLETON-SJOSTEDT	70.5	54.4	5.07		276.		.6	25		FC54
	5/14	1240 / 1305	SJOSTEDT-MIDDLETON	70.5	56.7	4.66		264.		.6	26		FC47
			LIVE OAK CREEK below Live Oak Dam										
145	1/27	1035 / 1042	MIDDLETON-LANPHEAR	5.5	2.74	4.16		11.4		.6	8		FC54
146	1/27	1047 / 1053	" "	5.0	1.60	2.62		4.2		.6	6		"
147	1/27	1058 / 1106	" "	5.0	2.19	1.92		4.2		.6	11		"
148	1/27	1110 / 1118	" "	5.0	2.69	1.74		4.7		.6	8		"
149	1/27	1122 / 1130	" "	5.2	2.82	2.20		6.2		.6	8		"
150	1/31	1538 / 1542	" "	3.0	1.06	0.94		1.0		.6	6		"
151	9/6	1110 / 1115	MIDDLETON	1.2	0.36	1.30		0.47		.6	5		FC49
			THOMPSON CREEK, CORAL CREEK AND PALMER CREEK above Thompson Creek Dam										
15	1/25	2050 / 2100	MIDDLETON-LANPHEAR	3.7	0.77	2.86		2.2		.5	8		FC54
16	1/26	0001 / 0006	" "	3.0	0.63	2.70		1.7		.6	5		"
17	1/26	1007 / 1014	" "	7.0	2.54	4.56		11.6		.5 .6	8		"

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER DRAINAGE AREA

AT Miscellaneous Points 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.	RATINGS	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			SAN GABRIEL RIVER - WEST FORK above Bear Creek										
153	10/11	1016 / 1028	DE VORE	13.1	7.22	0.35		2.5		.6	11		FC22
154	10/25	1415 / 1430	"	13.6	8.19	0.48		3.9		.6	14		"
155	11/8	1115 / 1130	"	13.7	8.59	0.47		4.0		.6	14		"
156	12/20	1223 / 1230	"	2.9	0.78	0.79		0.62		.5	6		"
157	2/7	1219 / 1226	"	5.2	3.09	1.36		4.2		.6	8		"
158	2/21	1131 / 1141	"	4.1	2.11	1.14		2.4		.6	9		"
159	3/14	1143 / 1153	"	4.7	2.73	1.54		4.2		.6	9		"
160	3/28	1129 / 1139	"	7.8	3.65	0.90		3.3		.6	9		"
161	4/11	1138 / 1149	"	9.0	3.59	0.84		3.0		.6	9		"
162	4/25	1133 / 1151	"	11.0	6.26	1.17		7.3		.6	12		"
153	5/9	1130 / 1142	"	11.1	5.97	1.04		6.2		.6	12		"
164	6/6	1304 / 1318	FALCONE-DE VORE	12.1	5.93	0.94		5.6		.6	13		"
165	6/20	1300 / 1314	DE VORE	12.3	5.85	1.03		6.0		.6	12		"
166	7/3	1553 / 1608	"	11.8	5.41	0.91		4.9		.6	11		"
167	7/25	1148 / 1210	BROWN-DE VORE	10.5	5.17	1.06		5.5		.6	11		"
168	8/8	1039 / 1045	SJOSTEDT	10.9	5.19	1.06		5.5		.5 .6	12		"
169	8/22	1152 / 1205	DE VORE	10.8	4.84	0.99		4.8		.5 .6	11		"
170	9/5	0951 / 1002	DE VORE - SARASUA	11.0	6.16	1.40		8.6		.5	11		"
171	9/26	1320 / 1335	SJOSTEDT	11.0	6.18	1.24		7.7		.5 .6	12		"

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.
			BEAR CREEK above Junction with San Gabriel River										
140	10/11	1001 / 1008	DE VORE	2.1	0.62	0.53		0.33		.5	6		FC22
141	10/25	1444 / 1450	"	1.7	0.54	0.59		0.32		.5	6		"
142	11/8	1137 / 1145	"	2.5	0.94	1.17		1.1		.5	7		"
143	11/21	1521 / 1530	"	4.5	1.53	0.72		1.1		.5 / .6	8		"
144	12/20	1240 / 1250	"	7.3	3.08	0.55		1.7		.5 / .6	9		"
145	2/7	1236 / 1248	"	21.0	14.6	0.77		11.2		.6	11		"
146	2/21	1150 / 1211	"	20.7	14.0	0.91		12.8		.6	15		"
147	3/14	1202 / 1222	"	22.0	15.2	0.97		14.7		.5 / .6	16		"
148	3/28	1150 / 1203	"	12.3	8.04	1.19		9.6		.6	13		"
149	4/11	1247 / 1300	"	10.2	5.97	1.19		7.1		.6	11		"
150	4/25	1241 / 1259	"	10.4	6.22	1.48		9.2		.6	15		"
151	5/9	1152 / 1205	"	10.3	5.45	1.25		6.8		.6	11		"
152	6/6	1329 / 1343	FALCONE-DE VORE	10.8	6.20	1.00		6.2		.6	12		"
153	6/20	1326 / 1337	DE VORE	8.9	4.20	0.88		3.7		.5 / .6	10		"
154	7/3	1616 / 1628	"	8.4	3.25	0.62		2.0		.5 / .6	10		"
155	7/25	1221 / 1227	DE VORE - BROWN	2.5	0.73	0.77		0.56		.5	6		"
156	8/8	1010 / 1020	SJOSTEDT	2.30	0.77	0.42		0.32		.5	7		"
157	8/22	1213 / 1220	DE VORE	2.30	0.64	0.31		0.20		.5	6		"
158	9/5	0834 / 0839	DE VORE - SARASUA	2.30	0.64	0.28		0.18		.5	6		"
159	9/26	1345 / 1350	SJOSTEDT	2.20	0.70	0.20		0.14		.5	6		"
			SAN GABRIEL RIVER - NORTH FORK above Junction with West Fork										
153	10/11	0835 / 0845	DE VORE	6.0	2.66	0.75		2.0		.6	9		FC22
154	10/25	1509 / 1518	"	4.8	2.40	0.67		1.6		.6	9		"
155	11/8	1305 / 1316	"	6.0	2.64	0.64		1.7		.6	10		"
156	11/21	1553 / 1603	"	6.0	2.78	0.65		1.8		.6	10		"
157	12/20	1312 / 1323	"	6.2	3.11	0.84		2.6		.6	10		"
158	2/7	1317 / 1325	"	11.2	4.26	1.22		5.2		.6	9		"
159	2/21	1333 / 1345	"	5.8	3.49	1.63		5.7		.6	11		"
160	3/14	1451 / 1505	"	13.0	6.12	1.03		6.3		.5 / .6	12		"
161	3/28	1428 / 1440	"	11.3	4.93	0.95		4.7		.5 / .6	11		"
162	4/11	1320 / 1329	"	4.0	2.54	1.93		4.9		.6	7		"
163	4/25	1348 / 1404	"	8.0	3.81	1.34		5.1		.6	13		"
164	5/9	1328 / 1338	"	8.1	3.63	1.16		4.2		.5 / .6	9		"
165	6/6	1408 / 1420	FALCONE-DE VORE	9.2	4.71	0.70		3.3		.6	10		"
166	6/20	1358 / 1410	DE VORE	5.8	2.86	0.91		2.6		.5 / .6	10		"
167	7/3	1650 / 1700	"	6.3	3.24	0.56		1.8		.6	10		"
168	7/25	1340 / 1349	DE VORE - BROWN	5.3	1.51	1.26		1.9		.5	8		"
169	8/8	0937 / 0945	SJOSTEDT	5.5	1.94	1.03		2.0		.5 / .6	7		"
170	8/22	1455 / 1504	DE VORE	5.3	1.37	0.88		1.2		.5	8		"
171	9/5	0901 / 0910	DE VORE - SARASUA	6.2	1.90	0.95		1.8		.5	10		"
172	9/26	1415 / 1425	SJOSTEDT	6.0	2.67	0.52		1.4		.5 / .6	7		"
			SAN GABRIEL RIVER - CATTLE CANYON above East Fork										
74	10/18	1416 / 1427	DE VORE	4.7	1.83	0.77		1.4		.5	10		FC22
75	11/1	0851 / 0903	"	5.6	2.41	0.79		1.9		.5 / .6	11		"
76	11/15	1310 / 1320	DE VORE - THOMPSON	5.7	2.19	0.82		1.8		.5	9		"
77	12/27	1534 / 1547	DE VORE - MC BRIDE	6.4	3.00	0.63		1.9		.5	11		"
78	2/14	1532 / 1541	DE VORE	6.1	3.06	2.61		8.0		.5	8		"
79	3/7	1635 / 1645	DE VORE - BROOK	9.0	3.26	2.67		8.7		.5	10		"
80	4/4	1600 / 1611	DE VORE	9.3	3.63	1.79		6.5		.5 / .6	10		"
81	5/2	1647 / 1701	MC BRIDE - DE VORE	8.6	3.58	1.23		4.4		.5 / .6	10		"
82	6/13	1616 / 1627	DE VORE - LINDSAY	8.7	3.65	1.75		6.4		.6	10		"
83	6/27	1612 / 1620	DE VORE	6.5	2.66	1.50		4.0		.5 / .6	8		FC22
84	7/18	1313 / 1321	"	6.7	2.56	0.98		2.5		.5 / .6	8		"
85	8/1	1640 / 1646	"	6.5	2.27	0.66		1.5		.5	8		"
86	8/8	1615 / 1620	SJOSTEDT	4.0	1.33	1.50		2.0		.5	5		"
87	8/15	1616 / 1623	DE VORE	6.6	2.42	0.66		1.6		.5 / .6	8		"
88	8/29	1618 / 1623	"	6.6	2.56	0.62		1.6		.5	8		"
89	9/19	1354 / 1407	"	6.8	2.68	0.71		1.9		.5	11		"
			BIG DALTON WASH below Azusa Canal										
30	12/20	1545 / 1550	MIDDLETON-MC BRIDE	2.0	0.29	0.76		0.22		.6	6		FC49
31	5/2	0930 / 0948	SARASUA-MIDDLETON	6.0	1.94	1.39		2.7		.6	9		"
32	6/12	1600	SARASUA					2.02		VOL.			
33	6/20	1430	"					0.01		VOL.			
			SAN DIMAS CREEK above San Dimas Dam										
107	1/17	1042 / 1100	MIDDLETON-BLEEMERS	2.4	0.56	1.30		0.73		.6	9		FC49
108	1/24	1110 / 1120	MIDDLETON-ROYSTON	2.8	0.57	1.40		0.80		.6	8		"
109	2/7	1045 / 1055	ROY-MIDDLETON	3.2	0.55	1.03		0.57		.6	9		"
110	2/21	0956 / 1004	BOWMAN-MIDDLETON	2.5	0.46	1.15		0.53		.5	7		"
111	3/7	0810 / 0820	SARASUA-MIDDLETON	3.2	0.74	1.05		0.78		.6	9		"
112	3/21	0830 / 0836	" "	3.0	0.63	1.08		0.68		.6	7		"
113	4/11	1300 / 1310	" "	2.4	0.38	1.03		0.39		.5	7		"
114	4/25	1320 / 1330	" "	2.1	0.47	1.09		0.51		.6	8		"
115	5/9	1107 / 1114	" "	2.0	0.34	0.91		0.32		.6	7		"
116	6/6	1100 / 1108	SARASUA	0.8	0.09	0.56		0.05		.5	5		"
117	6/13	1048 / 1055	"	1.4	0.28	1.0		0.27		.6	5		"
			SAN DIMAS CREEK - OLD WATER TUNNEL below San Dimas Dam										
45	2/21	0913 / 0918	BOWMAN-MIDDLETON	0.6	0.04	0.50		0.02		.5	4		FC49
46	4/11	1330 / 1337	SARASUA-MIDDLETON	0.8	0.05	0.60		0.03		.5	5		"
47	5/9	1033 / 1037	" "	0.6	0.04	0.50		0.02		.5	4		"
48	6/6	1300 / 1305	SARASUA	0.8	0.04	0.50		0.02		.5	5		"
49	6/13	1205 / 1210	"	0.6	0.04	0.50		0.02		.5	4		"
50	6/20	1240 / 1245	"	0.9	0.05	0.40		0.02		.5	5		"
51	6/27	1230 / 1235	"	0.8	0.05	0.40		0.02		.5	5		"
52	7/25	1000 / 1005	MIDDLETON	0.9	0.10	0.30		0.03		.5	4		"
53	8/1	1114 / 1116	MIDDLETON-BROOK	0.6	0.04	0.25		0.01		.5	3		"
54	9/18	1515 / 1520	MIDDLETON	0.6	0.04	0.25		0.01		.6	4		"
			SAN DIMAS WASH below Puddingstone Diversion Dam										
55	1/24	1520 / 1530	MIDDLETON	5.0	1.92	1.09		2.1		.6	9		FC54
56	1/31	1615 / 1630	MC BRIDE-MIDDLETON	5.0	2.47	1.09		2.7		.6	7		FC49
57	5/2	0900 / 0912	SARASUA-MIDDLETON	5.5	2.84	1.83		5.2		.6	10		FC43
58	5/9	1605 / 1620	" "	4.5	1.53	1.22		1.9		.6	10		FC49
59	6/12	1515 / 1520	SARASUA	2.5	0.20	0.50		0.10		.5	6		"
			LIVE OAK CREEK below Live Oak Dam										
152	5/29	1245 / 1252	MIDDLETON-SARASUA	1.5	0.46	1.02		0.47		.6	6		FC49
			COBAL CREEK - PALMER CREEK - Combined Flow, above Thompson Creek Dam										
18	1/13	0132 / 0140	MIDDLETON-MC BRIDE	3.0	0.97	3.40		3.3		.6	7		FC54

TABLE XI

PERCOLATION LOSSES ON BIG TUJUNGA WASH
BASED ON METER MEASUREMENTS
1955 - 56

DATE	FLOW ABOVE GOLD CANYON STA. 213-R	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
10-4	13.7	10.8	2.9	6.2	2.1	4.9	1.3	1.6	3.3	L.A.W.D. EXTRACTION 2.5 CFS
4-25	7.0	7.8*	+0.8	1.6	+1.6					
6-7	6.8	6.8*	0	3.2	+3.2					
1956-57										
3-5-57	10.2	5.9	4.3	3.5	2.4	1.4	2.1	2.0	+0.6	
5/23/57	5.8	**		4.4	1.4					

* CITY OF LOS ANGELES DIVERTING ALL FLOW TO SPREADING BASINS.
** NO DIVERSION, L.A.W.D. ENLARGING BASINS.

PERCOLATION LOSSES ON EATON WASH
BASED ON METER MEASUREMENTS
1956-57

DATE	M.W.D. BLOWOFF	FLOW AT ORANGE GROVE AVENUE	LOSS CFS	FLOW 1060 FEET BELOW ORANGE GROVE AVENUE	LOSS CFS	FLOW AT VILLA STREET	LOSS CFS	FLOW AT FOOTHILL BOULEVARD	LOSS CFS	REMARKS
5-3	5.6	4.9	0.7	4.1	0.8	3.7	0.4	1.6	2.1	CHECK DAMS IN CHANNEL BELOW ORANGE GROVE AVENUE

PERCOLATION LOSSES ON RIO HONDO
BASED ON METER MEASUREMENTS
1955-56

DATE	FLOW AT WHITTIER NARROWS DAM	MISSION CREEK INFLOW	OUTLET OF SYPHON	LOSS CFS	FLOW AT WASHINGTON BOULEVARD	LOSS CFS	REMARKS
11/16	29.4		23.6	5.8			
11/29	24.7	1.5	21.4	4.8			
11/30	25.1	1.5	21.7	4.9	12.4	9.3	
12/12	35.0	1.4	33.7	2.7	16.2	17.5	
3/6	4.81	2.21	6.89	0.13			END OF FLOW AT U.P. RAILROAD
3/27	4.30	1.13	4.92	0.51			

1955-56

DATE	ZONE I HEADWORKS	INTAKE TO SPREADING GROUNDS	LOSS CFS	
5/15	115.0	86.8	28.2	
5/18	144.0	105.0	39.0	
5/18	144.0	104.0	40.0	

PERCOLATION LOSSES ON RIO HONDO
BASED ON METER MEASUREMENTS
1956-57

DATE	SANTA FE CHANNEL BELOW SANTA FE DAM F280-R	RIO HONDO AT LOWER AZUSA ROAD F192-R	LOSS CFS	RIO HONDO ABOVE MISSION BRIDGE F64-R	LOSS CFS	ZONE I HEADWORKS	LOSS CFS	REMARKS
4/16	455.	388.	67.	381.	7.	320.	61.	

PERCOLATION LOSSES ON MISSION CREEK
BASED ON METER MEASUREMENTS
1956-57

DATE	OUTFLOW FROM LEGG LAKE	FLOW AT SECOND CULVERT ABOVE SAN GABRIEL BOULEVARD	GAIN CFS	FLOW AT SAN GABRIEL BOULEVARD	LOSS CFS	REMARKS
7/30	0.80	1.43	0.63	1.00	0.43	END OF FLOW AT RISING WATER CHANNEL
9/10	0.56	0.72	0.16	0.14	0.58	END OF FLOW 600 FEET ABOVE WHITTIER NARROWS DAM
9/12	0.42	0.75	0.33	0.12	0.63	END OF FLOW 400 FEET ABOVE MISSION CREEK POOL LEVEE
9/19	0.51	0.47	0.00	0.25	0.22	
9/26	0.54	0.79	0.25	0.17	0.62	

PERCOLATION LOSSES ON SAN GABRIEL RIVER
BASED ON METER MEASUREMENTS
1955-56

DATE	ZONE I HEADWORKS	BANTA DITCH DIVERTED	FLOW AT BEVERLY BOULEVARD	LOSS CFS	INTAKE TO SPREADING GROUNDS	LOSS CFS	REMARKS
11/2	224.0	8.0	150.0	66.0	97.1	52.9	
11/8	199.0	1.1	157.0	40.9	140.0	17.0	
5/12	201.0	5.3	154.0	41.7			
5/13	218.0	5.3	191.0	19.7			
5/15	123.0	6.1	108.0	8.9	79.1	28.9	
5/16	111.0	4.8	93.2	13.0	56.5	36.7	
5/17	106.0	4.9	82.6	18.5	55.8	26.8	
5/18	99.8	4.8	77.5	17.3	52.3	25.2	
5/22	87.0	4.9	74.1	8.0			
9/26	79.4		46.0	33.4			END OF FLOW 5600' BELOW WHITTIER BOULEVARD

PERCOLATION LOSSES ON SAN GABRIEL RIVER
BASED ON METER MEASUREMENTS
1956-57

DATE	SAN GABRIEL RIVER BELOW MORRIS DAM U-8	SAN GABRIEL RIVER AT FOOTHILL BLVD. F190-R	LOSS CFS	SAN GABRIEL RIVER ABOVE SANTA FE DAM G23A	LOSS CFS	REMARKS
4-13	654.	515.	139.	434.	81.	ASSUME MORRIS OUTFLOW REMAINED CONSTANT DURING RUN

PERCOLATION LOSSES ON SAN DIMAS WASH
BASED ON METER MEASUREMENTS
1955-56

DATE	COVINA CANAL OUTLET ABOVE GRAND AVENUE	FLOW AT ARROW HIGHWAY	LOSS CFS	REMARKS
4/5	4.00	0.2	3.8	END OF FLOW 100 FEET BELOW ARROW HIGHWAY

PERCOLATION LOSSES ON WALNUT WASH
BASED ON METER MEASUREMENTS
1955-56

DATE	OUTFLOW PUDDINGSTONE DAM	FLOW AT OAK LANE	LOSS CFS	COVINA IRRIGATION COMPANY OUTLET	FLOW AT PUENTE AVENUE	LOSS CFS	FLOW AT RIVER GRADE ROAD	LOSS CFS	FLOW AT ZONE I HEADWORKS	LOSS CFS
10/31	195.0	173.0	22.0		161.0	12.0	117.0	44.0		
11/3	345.0	342.0	3.0		313.0	29.0	252.0	61.0	234.0	18.0
11/10	355.0	329.0	26.0		328.0	1.0			216.0	112.0
12/23	36.5	38.8	+2.3	2.0	23.4	17.4				

TABLE XIII

SUMMARY OF SEASONAL DISCHARGE

Water Years 1955-56, 1956-57

YEAR	F.C. NUMBER	STATION	LOCATION	MAXIMUM DAILY C.F.S.	MINIMUM DAILY C.F.S.	MEAN C.F.S.	RUNOFF A.F.	PEAK FLOW MONTH	PEAK FLOW DAY	PEAK FLOW C.F.S.
1955-56	F81D-R	ALHAMBRA WASH	NEAR KLINGERMAN STREET	1100.	0.3	7.61	5520.	1	26	4550.
1956-57	"	" "	" " "	242.	0.6	6.14	4440.	2	23	3090.
1955-56	F152B-R	ALISO WASH	AT NORDHOFF STREET	181.	0	0.58	423.	1	26	414.
1956-57	"	" "	BELOW " "	24.	0	0.13	95.	1	13	136.
1955-56	F317-R	ARCADIA WASH	BELOW GRAND AVENUE	581.	0	0.68	1830.	1	26	1700.
1956-57	"	" "	" " "	108.	0.1	1.85	1340.	2	23	1180.
1955-56	F277-R	ARROYO SECO	BELOW DEVILS GATE DAM	327.	0	2.03	1470.	1	27	411.
1956-57	"	" "	" " " "	5.8	0	0.32	234.	10	4	124.
1955-56	F298-R	BALLONA CREEK	AT CURSON AVENUE	1480.	1.2	15.5	11260.	1	26	4370.
1956-57	"	" "	" " "	508.	1.8	11.6	8420.	2	23	4700.
1955-56	F388-R	BALLONA CREEK	AT SAWTELLE BOULEVARD	6510.	5.2	44.7	34590.	1	26	18700.
1956-57	"	" "	" " "	1790.	6.3	30.7	22240.	2	23	13860.
1955-56	F120B-R	BIG DALTON CREEK	BELOW BIG DALTON DAM	25.	0	0.31	222.	8	8	37.
1956-57	"	" " "	" " " "	11.5	0	0.03	23.	11	9	18.
1955-56	F202-R	BIG DALTON CREEK	AT SIERRA MADRE AVENUE	17.	0	0.08	56.	1	26	80.
1956-67	"	" " "	" " " "	0	0	0	0	0	0	0
1955-56	F274-R	DALTON WASH	AT MERCED AVENUE	860.	0	3.12	2260.	1	26	2350.
1956-57	"	" "	" " "	165.	0	1.36	980.	3	1	1990.
1955-56	F111C-R	BIG TUJUNGA CREEK	BELOW MILL CREEK	146.	0	2.49	1810.	1	26	324.
1956-57	"	" " "	" " "	112.	0	2.03	1470.	1	13	313.
1955-56	F168-R	BIG TUJUNGA CREEK	BELOW BIG TUJUNGA DAM	135.	0	4.73	3440.	1	26	148.
1956-57	"	" " "	" " " "	8.6	+	2.28	1650.	5	22	42.6
1955-56	F213-R	BIG TUJUNGA CREEK	ABOVE GOLD CANYON	214.	0.3	6.48	4700.	1	27	301.
1956-57	"	" " "	" " "	25.	0.2	3.17	2290.	1	13	60.4
1955-56	F105B-R	TUJUNGA WASH	BELOW MOORPARK STREET	552.	0	3.54	2570.	1	26	1080.
1956-57	"	" "	" " "	180.	0	5.11	3700.	1	5	1440.
1955-56	F106-R	TUJUNGA WASH-CENTRAL BRANCH	AT MAGNOLIA BOULEVARD	87.	0	0.67	485.	1	26	168.
1956-57	"	" " " "	" " "	43.	0	0.65	471.	1	13	317.
1955-56	F297-R	BOLTON CREEK	AT ANAHEIM STREET	174.	0	0.92	671.	1	26	302.
1956-57	"	" "	" " "	31.	0	0.33	241.	1	13	100.
1955-56	E285-R	BURBANK WESTERN STORM DRAIN	AT RIVERSIDE DRIVE	400.	2.0	5.56	4070.	-	-	-
1956-57	" "	" " " "	" " "	192.	1.6	4.87	3530.	2	23	1770.
1955-56	F108-R	CASTAIC CREEK	AT HIGHWAY NO. 126	123.	0	0.43	311.	1	26	281.
1956-57	"	" "	" " " "	63.	0	0.25	184.	1	13	237.
1955-56	F302-R	COMPTON CREEK	AT 120TH STREET	898.	0.2	5.59	4050.	1	26	2040.
1956-57	"	" "	" " "	121.	0	3.24	2360.	5	11	1550.
1955-56	F378-R	COMPTON CREEK	NEAR GREENLEAF DRIVE	2090.	0.2	12.7	9240.	1	26	4910.
1956-57	"	" "	" " "	286.	+	5.62	4070.	5	11	1780.
1955-56	F320-R	COYOTE CREEK	AT CENTRALIA ROAD	2080.	0	9.91	7280.	1	26	3770.
1956-57	"	" "	" " "	163.	+	1.66	1200.	1	13	334.
1955-56	F265-R	DOMINGUEZ CHANNEL	AT CARSON STREET	1630.	4.3	30.8	22370.	1	26-27	1720.
1956-57	"	" "	" " "	225.	5.4	15.8	11440.	1	13	376.
1955-56	F53-R	DUME CREEK	AT ROOSEVELT HIGHWAY	301.	0	1.02	738.	1	26	560.
1956-57	"	" "	" " "	24.	0	0.10	74.	2	23	120.
1955-56	F271-R	EATON WASH	BELOW EATON WASH DAM	41.	0	0.20	149.	1	26	41.
1956-57	"	" "	" " " "	2.1	0	0.02	12.8	6	6	10.2
1955-56	F318-R	EATON WASH	AT LOFTUS DRIVE	-	-	-	-	-	-	-
1956-57	"	" "	" " "	201.	0	3.32	2400.	2	23	1760.
1955-56	F296-R	EVEY CANYON CREEK	AT CAMP BALDY ROAD	-	-	-	-	-	-	-
1956-57	"	" " "	" " " "	3.2	0	-	67.	1	13	6.3
1955-56	F287B-R	LA TUNA CREEK	BELOW DEBRIS BASIN	21.	0	0.06	42.	1	26	300.
1956-57	"	" " "	" " "	0.5	0	.007	5.2	1	12	7.0
1955-56	F149-R	LIMEKILN CREEK	AT DEVONSHIRE STREET	43.	0	0.20	142.	1	26	90.
1956-57	"	" "	" " "	11.	0	0.09	67.	2	23	68.7
1955-56	F65B-R	LITTLE DALTON CREEK	ABOVE MOUTH OF CANYON	50.	0	0.29	211.	1	26	180.
1956-57	"	" " "	" " " "	3.3	0	0.09	67.	1	13	12.2
1955-56	L1-R	LITTLE ROCK CREEK	ABOVE LITTLE ROCK DAM	424.	0	7.54	5470.	1	26	1050.
1956-57	"	" " "	" " " "	399.	0	6.30	4560.	1	13	1040.
1955-56	F19-R	LITTLE TUJUNGA WASH	AT FOOTHILL BOULEVARD	125.	0	0.53	385.	1	26	445.
1956-57	"	" " "	" " "	5.0	0	0.05	35.	2	28	112.
1955-56	F31-R	LIVE OAK CREEK	NEAR MOUTH OF CANYON	4.6	0	0.09	67.	1	26	39.
1956-57	" " "	" " " "	" " " "	0	0	0	0	0	0	0
1955-56	F311-R	LIVE OAK WASH	BELOW 7TH STREET, LA VERNE	242.	0	77.2	56039.	-	-	-
1956-57	" " "	" " "	" " " " "	216.	0	69.1	50005.	-	-	-
1955-56	F300-R	LOS ANGELES RIVER	AT TUJUNGA AVENUE	3890.	5.7	35.1	25490.	1	26	6800.
1956-57	" " "	" " "	" " "	1300.	4.5	27.2	19700.	1	13	6060.
1955-56	F266-R	LOS ANGELES RIVER	AT MARIPOSA STREET	4910.	0	34.4	24980.	1	26	7910.
1956-57	"	" " "	" " "	1670.	0	26.5	19200.	2	23	8100.
1955-56	F57C-R	LOS ANGELES RIVER	ABOVE ARROYO SECO	7290.	0.6	49.4	35890.	1	26	15300.
1956-57	"	" " "	" " "	2390.	0.2	34.4	24890.	2	23	22190.
1955-56	F34D-R	LOS ANGELES RIVER	BELOW FIRESTONE BOULEVARD	12000.	8.2	91.5	66440.	1	26	28900.
1956-57	"	" " "	" " "	3960.	3.8	53.2	38500.	2	23	24600.
1955-56	F319-R	LOS ANGELES RIVER	BELOW BELHART STREET	21700.	7.0	133.	96810.	1	26	40500.
1956-57	"	" " "	" " "	4550.	5.5	67.3	48710.	2	23	23000.
1955-56	F279C-R	LOS CERRITOS CHANNEL	AT STEARNS STREET	1460.	0	8.95	6500.	1	25	3040.
1956-57	"	" " "	" " "	280.	+	4.03	2920.	2	23	747.
1955-56	F130-R	MALIBU CREEK	AT CRATER CAMP	1260.	0.1	6.45	4680.	1	26	3600.
1956-57	"	" "	" " "	12.0	+	0.61	444.	2	23	46.3
1955-56	F328-R	MINT CANYON CREEK	AT FITCH AVENUE	-	-	-	-	-	-	-
1956-57	"	" " "	" " "	2.3	0	0.01	10.8	2	28	13.8
1955-56	F330-R	MISSION CREEK	BELOW LEGG LAKE	-	-	-	-	-	-	-
1956-57	"	" "	" " "	1.8	0.1	0.96	696.	3	7	2.0
1955-56	F83-R	MISSION CREEK	AT SAN GABRIEL BOULEVARD	10.	0.8	3.18	2310.	1	27	10.
1956-57	"	" "	" " " "	8.2	+	2.54	1840.	11	15	8.9
1955-56	F22-R	MONROVIA CREEK	ABOVE SAWPIT CREEK	21.	+	0.12	90.	1	26	84.
1956-57	"	" "	" " "	2.5	+	0.08	60.6	2	23	12.5
1955-56	F195B-R	MONROVIA STORM DRAIN	ABOVE PECK ROAD	158.	0	0.76	552.	1	26	523.
1956-57	"	" " "	" " "	47.	+	0.65	474.	2	23	588.
1955-56	F181-R	MONTEBELLO STORM DRAIN	ABOVE RIO HONDO	463.	+	2.90	2110.	1	26	856.
1956-57	"	" " "	" " "	65.	+	1.55	1120.	2	28	570.
1956-57	F118B-R	PACOIMA CREEK FLUME	BELOW PACOIMA DAM	5.2	0	1.72	1250.	5	17	66.
1956-57	" " "	" " "	" " "	26.	0	1.06	774.	5	7	47.
1955-56	F305-R	PACOIMA DIVERSION	AT BRANFORD STREET	194.	0	1.54	1120.	1	26	622.
1956-57	"	" "	" " "	57.	0	1.16	841.	1	13	580.
1955-56	F15-R	PACOIMA WASH	AT VAN NUYS BOULEVARD	169.	0	0.80	583.	1	26	295.
1956-57	"	" "	" " " "	55.	0	0.67	482.	1	13	287.
1955-56	F135-R	PLACERITA CREEK	AT RIDGE ROUTE HIGHWAY	278.	0	1.04	753.	1	26	523.
1956-57	"	" "	" " "	228.	0	1.04	756.	2	28	2030.
1955-56	F307-R	PUDDINGSTONE DIVERSION CHANNEL	AT JUANITA STREET	6.62	0	0.10	74.	10	8	6.6
1956-57	"	SAN DIMAS WATER CO. OUTLET	" " "	3.0	0	0.04	27.	6	13	3.1

SUMMARY OF SEASONAL DISCHARGE

Water Years 1955,56, 1956-57

YEAR	F.C. NUMBER	STATION	LOCATION	MAXIMUM DAILY C.F.S.	MINIMUM DAILY C.F.S.	MEAN C.F.S.	RUNOFF A.F.	PEAK FLOW		
								MONTH	DAY	C.F.S.
1955-56	F40-R	PUDDINGSTONE CREEK	BELOW PUDDINGSTONE DAM	396.	0.05	70.0	50800.	9	30	389.
1956-57	"	" "	" " "	381.	0.1	74.3	53780.	4	26	414.
1955-56	F192-R	RIO HONDO	AT LOWER AZUSA ROAD	1020.	0	4.05	2940.	1	26	3030.
1956-57	"	" "	" " "	390.	0	7.44	5390.	2	23	2270.
1955-56	F64-R	RIO HONDO	ABOVE MISSION BRIDGE	3520.	2.7	22.3	16180.	1	26	10940.
1956-57	"	" "	" " "	1077.	2.2	23.3	16890.	2	23	8250.
1955-56	F313-R	RIO HONDO BYPASS CHANNEL	ABOVE WHITTIER NARROWS DAM	172.	0	20.6	14990.	-	-	-
1956-57	"	" " " "	" " " "	168.	0	28.1	20400.	-	-	-
1955-56	F458-R	RIO HONDO	ABOVE STEWART AND GRAY ROAD	4910.	0	20.0	14540.	1	26	11640.
1956-57	"	" "	" " " " "	967.	0	6.41	4640.	2	23	6560.
1955-56	F82C-R	RUBIO WASH	AT GLENDON WAY	639.	0	3.98	2880.	1	26	1970.
1956-57	"	" "	" " "	199.	+	3.17	2290.	2	23	2980.
1955-56	F323-R	SAN ANTONIO CREEK	ABOVE STODDARD CANYON	13.	0	-	460.	-	-	-
1956-57	"	" " "	" " "	37.	0	0.82	594.	1	13	193.
1955-56	F332-R	SAN ANTONIO WATER COMPANY DIVERSION	NEAR ONTARIO NO. 1 POWER HOUSE	-	-	-	-	-	-	-
1956-57	"	" " " " " "	" " " " " "	N.D.	N.D.	N.D.	N.D	N.D.	N.D.	N.D.
1955-56	F303-R	SAN DIMAS CREEK	BELOW SAN DIMAS DAM	40.	0	1.12	816.	1	26	54.
1956-57	"	" " "	" " " "	5.0	+	0.60	436.	SEVERAL DAYS		5.0
1955-56	F218-R	SAN DIMAS WASH	BELOW PUDDINGSTONE DIVERSION DAM	8.4	0	0.13	92.	1	27	16.
1956-57	"	" " "	" " " "	0	0	0	0	0	0	0
1955-56	F209-R	SAN GABRIEL RIVER - WEST FORK	BELOW GOGSWELL DAM	15.6	0.1	4.99	3620.	4	26	16.
1956-57	"	" " " " "	" " "	139.	0.1	5.23	3790.	11	9	260.
1955-56	P3-R	SAN GABRIEL RIVER - WEST FORK	ABOVE FORKS	504.	2.8	17.0	12350.	1	26	1230.
1956-57	"	" " " " "	" "	597.	3.5	18.5	13350.	1	13	1670.
1955-56	P48-R	SAN GABRIEL RIVER - EAST FORK	ABOVE FORKS	476.	11.	30.6	22210.	1	26	1020.
1956-57	"	" " " " "	" "	479.	10.	32.6	23630.	1	13	1060.
1955-56	F250-R	SAN GABRIEL - AZUSA CONDUIT	AT WEIR BELOW SAN GABRIEL DAM	86.	14.7	49.0	35580.	2	3	87.
1956-57	"	" " " "	" " " " " "	86.	0	36.7	26670.	1	18	86.
1955-56	F220-R	SAN GABRIEL - AZUSA CONDUIT	AT GARCIA CANYON	86.	14.8	49.0	35580.	2	3	87.
1956-57	"	" " " "	" " "	85.	0	36.8	26670.	1	18	86.
1955-56	S100A-R	SAN GABRIEL-AZUSA-DUARTE	AT MOUTH OF CANYON	-	-	-	-	-	-	-
1956-57	"	TUNNEL DIVERSION	" " "	38.	0	4.29	3116.	-	-	-
1955-56	F190-R	SAN GABRIEL RIVER	AT FOOTHILL BOULEVARD	215.	0	1.97	1430.	1	26	800.
1956-57	"	" " "	" " "	573.	0	7.35	5320.	4	17	585.
1955-56	F191B-R	SAN GABRIEL RIVER	BELOW GARVEY AVENUE	0	0	0	0	0	0	0
1956-57	"	" " "	" " "	0	0	0	0	0	0	0
1955-56	F314-R	SAN GABRIEL BYPASS CHANNEL	ABOVE WHITTIER NARROWS DAM STRUCTURE	209.	0	23.3	16920.	-	-	-
1956-57	"	" " " "	" " " " "	163.	0	25.0	18120.	-	-	-
1955-56	F263B-R	SAN GABRIEL RIVER	AT BEVERLY BOULEVARD	4030.	0	33.1	24050.	1	26	12400.
1956-57	"	" " "	" " "	558.	0	24.5	18400.	3	1	3600.
1955-56	F262-R	SAN GABRIEL RIVER	AT FLORENCE AVENUE	4580.	0	14.3	10360.	1	26	12840.
1956-57	"	" " "	" " "	490.	0	1.91	1390.	1	13	2040.
1955-56	F42-R	SAN GABRIEL RIVER	AT SPRING STREET	4300.	0	12.9	9390.	1	26	12540.
1956-57	"	" " "	" " "	393.	0	1.24	896.	1	13	1760.
1955-56	F312-R	SAN JOSE CHANNEL	ABOVE WORKMAN MILL ROAD	1830.	0	5.61	4070.	1	26	5180.
1956-57	"	" " "	" " " "	190.	0	1.10	796.	3	1	1410.
1955-56	F48-R	SAN JOSE CREEK	AT WORKMAN MILL ROAD	123.	+	1.28	926.	1	26	198.
1956-57	"	" " "	" " " "	48.	+	1.37	988.	3	1	135.
1955-56	F119B-R	SANTA ANITA CREEK	BELOW SANTA ANITA DAM	113.	0.3	3.02	2200.	1	29	120.
1956-57	"	" " "	" " " "	15.2	0.1	1.98	1430.	1	13	15.2
1955-56	F260B-R	SANTA ANITA WASH	AT FOOTHILL BOULEVARD	163.	0	1.31	949.	N.D.	N.D.	N.D.
1956-57	"	" " "	" " "	36.	0	0.41	297.	N.D.	N.D.	N.D.
1955-56	F93-R	SANTA CLARA RIVER	ABOVE LANG R.R. STATION	4.0	1.0	1.51	1100.	4	13	5.0
1956-57	"	" " "	" " " "	1.6	0.9	1.25	906.	1	12	1.7
1955-56	F92-R	SANTA CLARA RIVER	AT OLD HIGHWAY BRIDGE	184.	+	1.38	1000.	1	26	344.
1956-57	"	" " "	" " " "	195.	0	1.42	1020.	2	28	1920.
1955-56	F280-R	SANTA FE CHANNEL	BELOW SANTA FE DAM	0	0	0	0	0	0	0
1956-57	"	" " "	" " " "	452.	0	4.69	3400.	4	16	455.
1955-56	F125-R	SANTIAGO CREEK	ABOVE LITTLE ROCK CREEK	41.	0	0.56	406.	1	26	87.
1956-57	"	" "	" " " "	6.8	0	0.27	199.	1	13	14.6
1955-56	F278-R	SAWPIT CREEK	BELOW SAWPIT DAM	23.	0	0.23	168.	1	26	35.
1956-57	"	" "	" " "	0.6	0	0.02	15.1	2	23	3.3
1955-56	F301-R	SAWTELLE-WESTWOOD CHANNEL	AT CULVER BOULEVARD	1240.	0.4	8.88	6450.	1	26	3130.
1956-57	"	" " "	" " "	437.	0.5	7.17	5200.	2	23	4170.
1955-56	F67B-R	SIERRA MADRE WASH	BELOW SIERRA MADRE DAM	27.	0	0.32	236.	1	26	52.
1956-57	"	" " "	" " " "	9.8	0	0.15	108.	2	23	39.5
1955-56	F267-R	SIERRA MADRE WASH	AT WOODLAND AVENUE	104.	0	0.47	344.	1	26	481.
1956-57	"	" " "	" " "	28.	0	0.36	264.	2	23	445.
1955-56	F43-R	SYCAMORE CANYON CHANNEL	ABOVE SOLWAY STREET	39.	0	0.17	123.	1	26	216.
1956-57	"	" " "	" " "	15.3	0	0.11	79.	2	23	288.
1955-56	F448-R	SYCAMORE CANYON CHANNEL	AT ADAMS SQUARE	158.	0	0.93	672.	1	26	841.
1958-57	"	" " "	" "	72.	0	0.72	522.	2	23	1085.
1955-56	F276-R	THOMPSON CREEK	AT THOMPSON CREEK DAM	0	0	0	0	0	0	0
1956-57	"	SPREADING GROUNDS INTAKE	" " " "	0	0	0	0	0	0	0
1955-56	F328-R	THOMPSON CREEK	BELOW THOMPSON CREEK DAM	0	0	0	0	0	0	0
1956-57	"	" "	" " " "	0	0	0	0	0	0	0
1955-56	F54-R	TOPANGA CREEK	ABOVE MOUTH OF CANYON	337.	+	1.42	1030.	1	26	1540.
1956-57	"	" "	" " " "	69.	0.01	0.52	374.	2	23	655.
1955-56	F252-R	VERDUGO CHANNEL	AT ESTELLE AVENUE	550.	0	2.53	1840.	1	26	1940.
1956-57	"	" "	" " "	184.	0	1.93	1400.	2	23	2960.
1955-56	F304-R	WALNUT CREEK	AT PUENTE AVENUE	1120.	0	68.5	49730.	1	26	3450.
1956-57	"	" "	" " "	361.	0	71.2	51530.	2	28	2200.

TABLE XIII

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 AT STEARNS ST. [d] AT 7TH STREET [e] AT ATHERTON ST.	SAN GABRIEL RIVER AT SPRING STREET	COYOTE CREEK AT CENTRALIA ROAD [g] AT DEL AMO ST. [f] BELOW P.E.R.R. BRIDGE-ARTESIA	TOTAL MEASURED WASTE TO OCEAN	RAINFALL INDEX MEAN FOR COUNTY
1927-28		3930.				NO FLOW			66
1928-29		14900.		9340. Inc.		" "		24240.	70
1929-30		13480.		12310.		" "	699.	26490.	79
1930-31		18520.		14400.		" "	568.	33490.	94
1931-32		21790.		50960.		6560.	2690.	82000.	125
1932-33		15810.		22890.		809.	457.	39970.	74
1933-34		20630.		67860.		12370.	3890.	104750.	70
1934-35		24870.		40470.		2380.	3850.	71570.	134
1935-36		13490.		20470.		1190.	1150.	36300.	69
1936-37		40680.		91100.		13510.	13680.	158970.	144
1937-38		52500.		408000.		88020.	15070.	563590.	150
1938-39		28490.		82750.		1080.	4250.	116570.	121
1939-40		21110.		65930.		1460.	3190.	91690.	82
1940-41		67360.	32260.	369500.		65890.	29500.	564510.	219
1941-42		17250.	3570.	93390.		10830.	1560.	126600.	81
1942-43		34240.	12200.	264900.		175100.	12070.	498510.	150
1943-44		33000.	19020.	217400.		72200.	12060.	353680.	161
1944-45		24450.	9010.	100200.		22280.	3800.	159740.	92
1945-46		18380.	8890.	91790.		12590.	3540.	135190.	90
1946-47		26300.	10650.	106000.		24100.	2460.	169510.	94
1947-48		13630.	5200.	52820.		NO FLOW	1500.	73150.	53
1948-49		16090.	5660.	44350.		" "	951.	67050.	59
1949-50		23250.	6590.	42180.	1900.	" "	1800.	75720.	66
1950-51	Inc.	18860.	9180.	36600.	2190.	" "	1420.	68250.	43
1951-52	10180.	53350.	25700.	212200.	9730.	24250.	23920.	359330.	172
1952-53	2790.	19910.	9630.	44490.	2810.	220.	1160.	81010.	62
1953-54	6960.	28480.	13800.	70790.	5850.	2060.	3990.	131930.	87
1954-55	3130.	21600.	11850.	60120.	4500.	820.	1220.	103240.	78
1955-56	6450.	34590.	22370.	96030.	6500.	9390.	7280.	182610.	82
1956-57	5200.	22240.	11440.	48710.	2920.	896.	1200.	92610.	73

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 7TH STREET, RECORDS OF DISCHARGE WERE NOT DETERMINED DUE TO TIDAL FLUCTUATIONS.

NOTE: THIS TABLE IN ITS PRESENT FORM INCLUDES ALL MEASURED WASTE TO OCEAN AND SUPERSEDES THE SIMILAR TABLE PREVIOUSLY PUBLISHED.

[a] AT CENTINELA BOULEVARD FEBRUARY 1928 TO APRIL 27, 1936. AT SAWTELLE BOULEVARD AFTER MAY 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 7TH 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, seven debris dams and forty-one debris basins during the 1955-56 and 1956-57 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, and Haines Debris 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	Oct. 1954	4787.	28.2
2. Big Tujunga	July 1931	1928	6240	Oct. 1953	4099.	82.3
3. Devils gate	June 1920	1929	4601	Sept. 1955	2709.	31.9
4. Eaton Wash	Feb. 1937	Jan. 1936	956	May 1957	634.	9.5
5. Big Santa Anita	May 1927	1923	1376	Feb. 1956	613.	10.8
6. Sawpit	June 1927	1923	476	March 1954	305.	3.3
7. Cogswell	April 1934	Jan. 1936	12298	Sept. 1947	10634.	39.2
8. San Gabriel	July 1939	1938(1)	53344	May 1954	44013.	163.5 a/
9. Big Dalton	Aug. 1929	1935(2)	1053	Sept. 1944	952.	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	June 1957	570.(3)	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 Diversion Dams.

(1) Based on a partial survey prior to March 2, 1938 and extrapolations.
(2) 1935 is a 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.
(3) Loss in storage due to lowering spillway lip in January 1942.

DEBRIS DAMS

DEBRIS DAMS	DATE OF COMPLETION	DRAINAGE AREA IN SQ. MILES#	MAX. DEBRIS CAPACITY CU. YDS.	CAPACITY AT BEGINNING OF 1956-57 SEASON	APPROXIMATE DEPOSITION 1955-56	DEBRIS CU. YDS. 1956-57
1. Bailey	Dec. 1954 (1)	0.60	165,700	162,700	2,950	N
2. Lower Big Dalton	1927	0.34	27,500	27,500	N	N
3. Rubio	Apr. 1944	1.26	144,300	134,200	N	N
4. Sawpit	Jan. 1955	2.84	746,000	736,400	9,600 (2)	1,000
5. Sierra Madre	Feb. 1928	2.39	151,800	138,800	3,330 (2)(3)	N
6. Sunset	Nov. 1929	0.44	17,500	UN	U (3)	800 (4)
7. Verdugo	Mar. 1935	9.43 (5)	151,700	126,000	12,900 (3)(6)	2,760

DEBRIS BASINS

DEBRIS BASINS	DATE OF COMPLETION	DRAINAGE AREA IN SQ. MILES#	MAX. DEBRIS CAPACITY CU. YDS.	CAPACITY AT BEGINNING OF 1956-57 SEASON	APPROXIMATE DEPOSITION 1955-56	DEBRIS CU. YDS. 1956-57
1. Altadena Golf Club	1911	0.65	14,900	14,900	1,160	2,070
2. Auburn	Dec. 1954	0.19	57,100	55,900	1,130	N
3. Bradbury	Jan. 1955	0.68	53,200	46,600	6,510	N
4. Brand	Nov. 1935	1.03	72,500	63,000	N	N
5. Carter	Dec. 1954	0.12	21,800	20,500	1,390	N
6. Cooks	Jan. 1952	0.58*	47,500	45,200	N	N
7. Deer	Nov. 1954	0.59	44,600	44,600	N	N
8. Dunsmuir	Oct. 1936	0.84*	123,700	110,200	1,480 (7)	3,600
9. Eagle	Oct. 1936	0.61*	75,700	UN	U	570 (8)
10. Fair Oaks	Dec. 1935	0.21	28,500	26,900	1,040 (7)	N
11. Fern	Dec. 1935	0.30	32,900	31,200	N	N
12. Floral, Upper	Mar. 1954	0.06	2,300	UN	U	700 (9)
13. Floral, Lower	Mar. 1954	0.11 (10)	5,400	5,400	N	N
14. Gould	Dec. 1947	0.47	53,800	43,300	2,460	N
15. Haines (11)	June 1938	1.53	158,600	132,600	N	N
16. Halls (12)	Nov. 1935	1.06*	95,800	57,200	4,020	N
17. Hay	Oct. 1936	0.20	39,800	34,700	N	N
18. Lannan	Mar. 1954	0.25	56,500	47,500	1,430	N
19. Las Flores	Apr. 1936	0.45	61,600	55,600	N	N
20. La Tuna	Feb. 1956	5.34	70,200	70,200	16,840	11,250
21. Lincoln	Jan. 1936	0.50	40,900	UN	U	2,260 (4)
22. Maddock	Jan. 1955	0.25	29,900	29,900	5,810	N
23. May No. 1	Aug. 1953	0.70	67,100	65,100	1,960	N
24. May No. 2	Aug. 1953	0.09	6,700	6,700	U	U
25. McClure	Dec. 1953	0.62	109,800	97,700	12,090 (6)	3,700
26. Nichols	Nov. 1937	0.94	32,200	26,200	450	1,580
27. Paradise	Mar. 1952 (13)	0.47	14,800	14,100	2,690	1,100
28. Pickens	Nov. 1935	1.84*	116,500	66,500	4,500 (2)	2,530
29. Rowley	Jan. 1954	0.58	37,300	36,200	U	900 (9)
30. Ruby, Upper	Jan. 1954	0.21	15,000	14,000	U	850 (8)

DEBRIS BASINS	DATE OF COMPLETION	DRAINAGE AREA IN SQ. MILES#	MAX. DEBRIS CAPACITY CU. YDS.	CAPACITY AT BEGINNING OF 1956-57 SEASON	APPROXIMATE DEPOSITION 1955-56	DEBRIS CU. YDS. 1956-57
31. Ruby, Lower	Dec. 1955	0.31 (10)	32,200	32,200	U	820 (9)
32. Scholl	Aug. 1945	0.66	30,900	27,200	N (3)	N
33. Shields	Jan. 1937	0.27*	46,900	42,200	500 (2)	190
34. Snover	Feb. 1937	0.23*	37,900	21,400	U (3)	1,100 (4)
35. Sparr	Feb. 1947	0.84	15,300	15,300	1,870 (2)	N
36. Stough	Oct. 1957 (14)	1.65	105,600	97,200	N	N
37. Turnbull	Jan. 1953	0.99	26,700	25,300	U	760 (9)
38. Ward, Upper	Nov. 1956	0.10*	10,800	10,800	Not Constructed	5,050
39. Ward, Lower	Dec. 1944	0.54*	10,400	10,400	790 (3)	860
40. West Ravine	Dec. 1935	0.25	49,600	47,700	N	N
41. Wilbur Avenue	Jan. 1956 (15)	8.63	40,500	39,200	U	11,570 (9)
42. Zachau	Aug. 1956	0.35	37,200	37,200	No Inflow	N

NOTES

\# Uncontrolled
* See Note (5) below.

(1) Basin was originally constructed in 1945 and enlarged in December 1954.
(2) Total for two seasons: 1954-55, 1955-56.
(3) Volume of debris deposited in basin does not include considerable amount of debris sluiced through open ports or notch.
(4) Total for five seasons: 1952-53, 1953-54, 1954-55, 1955-56, 1956-57.
(5) Excludes 6.07 square miles of drainage area controlled by debris basins designated by *.
(6) Total for three seasons: 1953-54, 1954-55, 1955-56.
(7) Total for four seasons: 1952-53, 1953-54, 1954-55, 1955-56.
(8) Total for three seasons: 1954-55, 1955-56, 1956-57.
(9) Total for two seasons: 1955-56, 1956-57.
(10) Includes drainage area tributary to upper debris basin.
(11) Owned and operated by the Corps of Engineers, Department of the Army.
(12) Includes Webber Canyon
(13) Basin was originally constructed in 1944; reconstruction of the basin was completed March 1952. However, due to construction of Gould Debris Basin, new subdivisions, road drains, etc., uncontrolled drainage area has been changed several times. Drainage area listed does not include area tributary to Gould Debris Basin.
(14) Basin was originally constructed in 1941; revision of the basin was completed in October 1957.
(15) Basin was originally constructed in 1942; reconstruction of the basin was completed January 13, 1956.

(N) Negligible amounts of debris produced.
(U) Unknown.
(UN) No survey.

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 evaporation losses and are shown as total monthly and yearly losses for Cogswell and San Gabriel Reservoirs. 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 records and assembly for publication during 1955-56 and 1956-57 was under the immediate supervision of R. E. Lindsay, Section Head, Reservoir and Runoff Record Section, assisted by J. H. Lang, F. E. Stunden and S. E. Blakely.

Office work was under the direction of W. J. Wood, Assistant Chief, Hydraulic Division.

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.

The operation and maintenance, such as mechanical operation of valves, maintenance and construction of various structures for dams, debris basins and spreading grounds, and access thereto, sluicing of reservoirs was under the supervision of R. D. Reeve, Chief, Operation and Maintenance Division.

76D138N-68B Gb 7-55

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, 19 56

Drainage Area 28.2 Square Miles. Capacity of Reservoir 4766.6 Ac. Ft. at Spillway Elev. 1960.0 Ft. as of October 1954 Survey

Continuous Water Stage Recorder AW

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	1801.4	64.6	0.3	0	1802.9	73.3	0.1	0	1803.9	79.6	0.1	0	1804.8	85.5	0.1	0	1
2	1801.5	65.2	0.3	0	1802.9	73.3	0.1	0	1803.9	79.6	0.2	0	1804.8	85.5	0.1	0	2
3	1801.6	65.8	0.3	0	1802.9	73.3	0.1	0	1804.0	80.2	0.1	0	1804.9	86.1	0.1	0	3
4	1801.7	66.3	0.3	0	1802.9	73.3	0.1	0	1804.1	80.9	0.1	0	1804.9	86.1	0.1	0	4
5	1801.8	66.9	0.2	0	1803.0	73.9	0.1	0	1804.1	80.9	0.1	0	1804.9	86.1	0.1	0	5
6	1801.9	67.4	0.2	0	1803.0	73.9	0.1	0	1804.2	81.5	0.1	0	1805.0	86.8	0.1	0	6
7	1802.0	68.0	0.2	0	1803.0	73.9	0.1	0	1804.2	81.5	0.1	0	1805.0	86.8	0.1	0	7
8	1802.0	68.0	0.2	0	1803.1	74.5	0.1	0	1804.2	81.5	0.1	0	1805.0	86.8	0.1	0	8
9	1802.1	68.6	0.1	0	1803.1	74.5	0.1	0	1804.2	81.5	0.1	0	1805.0	86.8	0.1	0	9
10	1802.1	68.6	0.1	0	1803.1	74.5	0.1	0	1804.2	81.5	0.1	0	1805.1	87.5	0.1	0	10
11	1802.2	69.2	0.1	0	1803.1	74.5	0.1	0	1804.3	82.2	0.1	0	1805.1	87.5	0.1	0	11
12	1802.2	69.2	0.1	0	1803.2	75.2	0.1	0	1804.3	82.2	0.1	0	1805.1	87.5	0.1	0	12
13	1802.3	69.8	0.1	0	1803.2	75.2	0.1	0	1804.3	82.2	0.1	0	1805.2	88.2	0.1	0	13
14	1802.3	69.8	0.1	0	1803.3	75.8	0.1	0	1804.3	82.2	0.1	0	1805.2	88.2	0.1	0	14
15	1802.4	70.4	0.1	0	1803.4	76.4	0.1	0	1804.3	82.2	0.1	0	1805.2	88.2	0.1	0	15
16	1802.4	70.4	0.1	0	1803.4	76.4	0.1	0	1804.4	82.8	0.1	0	1805.3	88.8	0.1	0	16
17	1802.4	70.4	0.1	0	1803.4	76.4	0.1	0	1804.4	82.8	0.1	0	1805.3	88.8	0.1	0	17
18	1802.4	70.4	0.1	0	1803.4	76.4	0.1	0	1804.4	82.8	0.1	0	1805.4	89.5	0.1	0	18
19	1802.4	70.4	0.1	0	1803.5	77.0	0.1	0	1804.4	82.8	0.1	0	1805.4	89.5	0.1	0	19
20	1802.4	70.4	0.1	0	1803.5	77.0	0.1	0	1804.4	82.8	0.1	0	1805.4	89.5	0.1	0	20
21	1802.5	71.0	0.1	0	1803.6	77.7	0.2	0	1804.5	83.5	0.1	0	1805.4	89.5	0.1	0	21
22	1802.5	71.0	0.1	0	1803.7	78.3	0.1	0	1804.5	83.5	0.1	0	1805.5	90.2	0.1	0	22
23	1802.5	71.0	0.1	0	1803.7	78.3	0.1	0	1804.5	83.5	0.1	0	1805.5	90.2	0.2	0	23
24	1802.6	71.5	0.1	0	1803.7	78.3	0.1	0	1804.6	84.2	0.1	0	1805.6	90.9	0.3	0	24
25	1802.6	71.5	0.1	0	1803.7	78.3	0.1	0	1804.6	84.2	0.1	0	1806.1	94.3	1.7	0	25
26	1802.6	71.5	0.1	0	1803.7	78.3	0.1	0	1804.6	84.2	0.2	0	1816.9	182.1	44.3	0	26
27	1802.6	71.5	0.1	0	1803.8	78.9	0.1	0	1804.6	84.2	0.2	0	1831.8	360.9	90.1	0	27
28	1802.7	72.1	0.1	0	1803.8	78.9	0.1	0	1804.7	84.8	0.1	0	1835.8	421.5	30.6	0	28
29	1802.7	72.1	0.1	0	1803.8	78.9	0.1	0	1804.7	84.8	0.1	0	1837.7	451.8	15.3	0	29
30	1802.8	72.7	0.1	0	1803.8	78.9	0.1	0	1804.8	85.5	0.1	0	1839.1	474.9	11.6	0	30
31	1802.8	72.7	0.1	0					1804.8	85.5	0.1	0	1840.3	495.3	10.3	0	31
TOTAL			4.3	0			3.1	0			3.4	0			206.6	0	
Inf. Ac. Ft.			8.5				6.1				6.7				409.8	431.1	
Outf. Ac. Ft.				0				0				0			0	0	
Maximum Mean Daily Inflow			0.3				0.2				0.2				90.1	90.1	
Minimum Mean Daily Inflow			0.1				0.1				0.1				0.1	0.1	
Storage Change		+8.6				+6.2				+6.6				+409.8		+431.2	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1878.2	feet	on	5/17/56	Storage	1377.4	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1801.3	feet	on	10/1/55	Storage	64.1	Acre Feet	E.K. BARR	Dam Tender	Gage Hts. copied	JHL HRW	
Max. Peak Inf.	179.	C.F.S. from	6:00 A.M. on	1/27/56	to	7:00 A.M. on	1/27/56	J.R. HYDE	Hydrographer	Storage applied	JHL HRW	
Max. Peak Outf.	66.	C.F.S. from	8:00 A.M. on	5/17/56	to	8:15 A.M. on	5/17/56		Hydrographer	Inf. & Outf. comp.	JHL HRW	

REMARKS { INDICATES AVERAGE FOR PERIOD

76D138N-68B Gb 7-55

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, 19 56

Drainage Area 28.2 Square Miles. Capacity of Reservoir 4766.6 Ac. Ft. at Spillway Elev. 1750.0 Ft. as of October 1954 Survey

Continuous Water Stage Recorder AW

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	1841.1	509.2	7.1	0	1852.9	738.7	2.8	0	1857.6	841.3	0.9	0	1871.6	1191.1	5.0	0	1
2	1841.9	523.3	7.0	0	1853.2	745.1	2.8	0	1857.7	843.5	0.9	0	1871.9	1199.2	4.9	0	2
3	1842.6	535.9	6.7	0	1853.5	751.5	2.8	0	1857.8	845.8	0.9	0	1872.3	1210.1	4.9	0	3
4	1843.3	548.6	5.7	0	1853.7	755.7	2.6	0	1857.9	848.0	0.9	0	1872.6	1218.3	4.9	0	4
5	1843.8	557.8	5.0	0	1634.0	762.1	2.7	0	1857.9	848.0	0.9	0	1872.9	1226.5	4.9	0	5
6	1844.3	567.1	4.2	0	1854.2	766.4	2.4	0	1858.0	850.3	0.6	0	1873.2	1234.7	4.2	0	6
7	1844.8	576.5	4.2	0	1854.3	768.6	2.4	2.3	1858.1	852.6	0.6	0	1873.5	1243.0	4.2	0	7
8	1845.2	584.0	4.2	0	1854.5	772.8	2.4	0	1858.1	852.6	0.6	0	1873.8	1251.3	4.1	0	8
9	1845.6	591.6	4.2	0	1854.7	777.2	2.4	0	1858.1	852.6	0.6	0	1874.7	1276.3	12.6	0	9
10	1846.0	599.2	4.1	0	1854.9	781.4	2.4	0	1858.2	854.9	1.1	0	1875.5	1298.9	11.4	0	10
11	1846.4	607.0	3.2	0	1855.0	783.6	1.8	0	1858.4	859.4	2.3	0	1876.1	1316.0	6.8	0	11
12	1846.7	612.8	3.2	0	1855.2	788.0	1.8	0	1859.9	894.1	17.5	0	1876.6	1330.4	6.7	0	12
13	1847.0	618.6	3.1	0	1855.4	792.4	1.8	0	1861.7	937.0	21.6	0	1877.0	1342.0	6.7	0	13
14	1847.3	624.5	3.1	0	1855.6	795.7	1.8	0	1862.8	963.7	13.5	0	1877.4	1353.8	6.7	0	14
15	1847.6	630.4	3.1	0	1855.7	798.9	1.7	0	1863.6	983.5	10.0	0	1877.8	1365.5	6.7	0	15
16	1847.9	636.3	2.8	0	1855.8	801.1	1.6	0	1864.4	1003.6	10.1	0	1878.1	1374.4	4.6	0	16
17	1848.2	642.3	2.8	0	1856.0	805.5	1.6	0	1865.0	1018.8	7.6	0	1878.1	1374.4	4.5	4.4	17
18	1848.5	648.3	2.8	0	1856.1	807.7	1.6	0	1865.6	1034.1	7.8	0	1878.1	1374.4	4.5	5.2	18
19	1848.8	654.2	2.7	0	1856.3	812.2	1.5	0	1866.2	1049.5	7.7	0	1878.0	1371.4	4.5	5.0	19
20	1849.0	658.2	2.7	0	1856.4	814.4	1.5	0	1866.7	1062.4	6.5	0	1878.0	1371.4	4.5	5.0	20
21	1849.2	662.3	2.7	0	1856.6	818.8	1.4	0	1867.1	1072.7	5.2	0	1877.9	1368.5	3.5	5.0	21
22	1849.5	668.4	2.7	0	1856.7	821.0	1.4	0	1867.5	1083.0	5.2	0	1877.8	1365.5	3.5	5.0	22
23	1850.1	680.6	6.1	0	1856.8	823.3	1.3	0	1867.8	1090.8	3.9	0	1877.7	1362.6	3.5	5.0	23
24	1850.8	694.9	7.2	0	1856.9	825.5	1.3	0	1868.1	1098.6	4.0	0	1877.6	1359.6	3.5	5.0	24
25	1851.3	705.2	5.2	0	1857.0	827.7	1.3	0	1868.4	1106.5	4.0	0	1877.5	1356.7	3.5	5.0	25
26	1851.7	713.6	3.7	0	1857.1	830.0	1.0	0	1869.0	1122.2	7.9	0	1877.3	1350.8	3.1	5.0	26
27	1852.0	719.8	3.7	0	1857.2	832.2	1.0	0	1869.7	1140.6	9.3	0	1877.2	1347.9	3.1	5.0	27
28	1852.4	728.2	3.7	0	1857.3	834.5	1.0	0	1870.3	1156.5	8.0	0	1877.1	1344.9	3.0	5.0	28
29	1852.7	734.5	3.7	0	1857.4	836.7	0.9	0	1870.7	1167.0	5.3	0	1877.0	1342.0	3.0	5.0	29
30					1857.4	836.7	0.9	0	1871.1	1177.7	5.4	0	1876.9	1339.1	3.0	5.0	30
31					1857.5	839.0	0.9	0					1876.7	1333.3	3.0	5.0	31
TOTAL			120.6	0			55.0	2.3			170.8	0			133.0	74.6	
Inf. Ac. Ft.			239.2				109.1				338.8				303.5	1421.7	
Outf. Ac. Ft.			0				4.6				0				148.0	152.6	
Maximum Mean Daily Inflow			7.2				2.8				21.6				14.3	90.1	
Minimum Mean Daily Inflow			2.7				0.9				0.6				3.0	0.1	
Storage Change		+239.2				+104.5				+338.7				+155.6		+1269.2	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1878.2	feet	on	5/17/56	Storage	1377.4	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1801.3	feet	on	10/1/55	Storage	64.1	Acre Feet	E.K. BARR	Dam Tender	Gage Hts. copied	HRW JHL	
Max. Peak Inf.	179.	C.F.S. from	6:00 A.M. on	1/27/56	to	7:00 A.M. on	1/27/56	J.R. HYDE	Hydrographer	Storage applied	HRW JHL	
Max. Peak Outf.	66.	C.F.S. from	8:00 A.M. on	5/17/56	to	8:15 A.M. on	5/17/56		Hydrographer	Inf. & Outf. comp.	HRW JHL	

REMARKS { INDICATES AVERAGE FOR PERIOD

76D138N-68B Gb 7-55

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, 19 56

Continuous Water Stage Recorder Au

Drainage Area 28.2 Square Miles. Capacity of Reservoir 4099.2 Ac. Ft. at Spillway Elev. 2290.0 Ft. as of October 19 53 Survey 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	1876.5	1327.6	2.8	5.0	1867.4	1080.5	0.1	4.5	1855.9	803.3	0	4.3	1842.6	535.9	0	4.1	1
2	1876.3	1321.8	2.3	5.0	1867.1	1072.7	0.1	4.5	1855.5	794.6	0	4.3	1842.2	528.7	0	4.1	2
3	1876.1	1316.0	1.5	5.0	1866.7	1062.4	0.1	4.5	1855.1	785.8	0	4.3	1841.7	519.8	0	4.1	3
4	1875.8	1307.4	1.2	5.0	1866.4	1054.6	0.1	4.5	1854.7	777.2	0	4.3	1841.1	509.2	0	4.8	4
5	1875.5	1298.9	1.2	5.0	1866.0	1044.3	0.1	4.5	1854.3	768.6	0	4.3	1840.5	498.8	0	5.2	5
6	1875.3	1293.2	1.2	5.0	1865.7	1036.6		4.5	1853.9	760.0	0	4.3	1839.9	488.4	0	5.1	6
7	1875.1	1287.5	1.2	5.0	1865.3	1026.4		4.5	1853.5	751.5	0	4.3	1839.3	478.3	0	5.1	7
8	1874.8	1279.1	1.1	5.0	1864.9	1016.3		4.5	1853.0	740.8	0	4.2	1838.7	468.3	0	5.1	8
9	1874.5	1270.8	1.0	5.0	1864.6	1008.7		4.5	1852.6	732.4	0	4.2	1838.1	458.4	0	5.1	9
10	1874.2	1262.4	0.8	5.0	1864.3	1001.1		4.5	1852.2	724.0	0	4.2	1837.5	448.0	0	5.1	10
11	1873.9	1254.0	0.6	5.0	1863.9	991.0		4.5	1851.8	715.6	0	4.2	1836.9	438.9	0	5.0	11
12	1873.6	1245.8	0.6	5.0	1863.6	983.5		4.5	1851.4	707.3	0	4.2	1836.2	427.8	0	5.0	12
13	1873.3	1237.5	0.6	5.0	1863.2	973.6		4.5	1850.9	697.0	0	4.2	1835.5	416.8	0	5.0	13
14	1873.0	1229.2	0.6	4.9	1862.8	963.7		4.5	1850.5	688.8	0	4.2	1834.8	405.8	0	5.0	14
15	1872.6	1218.3	0.6	5.0	1862.5	956.4		4.5	1850.1	680.6	0	4.2	1834.1	395.1	0	5.0	15
16	1872.3	1210.1	0.5	5.0	1862.0	944.2		4.4	1849.7	672.4	0	4.2	1833.4	384.5	0	5.0	16
17	1872.0	1201.9	0.5	5.0	1861.6	934.6		4.4	1849.3	664.3	0	4.2	1832.7	374.1	0	5.0	17
18	1871.7	1193.8	0.5	4.9	1861.3	927.3		4.4	1848.8	654.2	0	4.2	1832.0	363.8	0	5.0	18
19	1871.3	1183.1	0.5	4.9	1860.9	917.7		4.4	1848.4	646.3	0	4.2	1831.3	353.7	0	5.0	19
20	1871.0	1175.0	0.5	4.9	1860.6	910.6		4.4	1848.0	638.3	0	4.2	1830.6	343.8	0	5.0	20
21	1870.7	1167.0	0.2	4.8	1860.2	901.1		4.4	1847.5	628.4	0	4.2	1829.9	334.0	0	5.0	21
22	1870.4	1159.1	0.2	4.6	1859.8	891.7		4.4	1847.1	620.6	0	4.2	1829.1	323.1	0	4.9	22
23	1870.0	1148.5	0.2	4.6	1859.4	882.4		4.4	1846.6	610.8	0	4.1	1828.4	313.7	0	4.9	23
24	1869.7	1140.6	0.2	4.6	1859.0	873.1		4.4	1846.2	603.1	0	4.1	1827.6	303.1	0	4.9	24
25	1869.4	1132.7	0.2	4.6	1858.6	864.0		4.4	1845.7	593.5	0	4.1	1826.9	294.0	0	4.9	25
26	1869.1	1124.8	0.2	4.5	1858.2	854.9		4.4	1845.3	585.9	0	4.1	1826.3	286.3	0	4.1	26
27	1868.8	1117.0	0.2	4.5	1857.8	845.8		4.4	1844.8	576.5	0	4.1	1825.7	278.8	0	3.6	27
28	1868.4	1106.5	0.2	4.5	1857.5	839.0		4.4	1844.4	569.0	0	4.1	1825.1	271.3	0	3.6	28
29	1868.1	1098.6	0.2	4.5	1857.1	830.0		4.4	1843.9	559.7	0	4.1	1824.6	265.3	0	3.6	29
30	1867.7	1088.2	0.1	4.5	1856.7	821.0		4.4	1843.5	552.3	0	4.1	1824.0	258.0	0	3.6	30
31					1853.3	812.2		4.4	1843.1	544.9	0	4.1					31
TOTAL			21.7	145.3			0.5	137.9			0	130.0			0	140.9	
Inf. Ac. Ft.			43.0				1.0				0				0	146.5.7	
Outf. Ac. Ft.							273.5 + (3.5)				257.9 + (9.4)			279.5 + (7.4)		1251.7 + (20.3)	
Maximum Mean Daily Inflow			2.8				0.1				0					90.1	
Minimum Mean Daily Inflow			0.1				0				0					0	
Storage Change			-24.1				-27.6.0				-26.7.3			-28.6.9		+19.3.9	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1878.2	feet on	5/17/56	Storage	1377.4	Acre Feet		
Min. W. S. Elev.	1801.3	feet on	10/1/55	Storage	64.1	Acre Feet		
Max. Peak Inf.	179.	C.F.S. from	6:00 A.M. on	1/27/56	to	7:00 A.M. on	1/27/56	
Max. Peak Outf.	66.	C.F.S. from	8:00 A.M. on	5/17/56	to	8:15 A.M. on	5/17/56	

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
E.K. BARR	Dam Tender	Gage Hts. copied	JHL HRW	
J.R. HYDE	Hydrographer	Storage applied	JHL HRW	
	Hydrographer	Inf. & Outf. comp.	JHL HRW	

REMARKS (INDICATES AVERAGE FOR PERIOD OR PRORATED AMOUNTS
( ) INDICATES RESERVOIR LOSSES

76D138N-68B Gb 7-55

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, 19 57

Continuous Water Stage Recorder Au

Drainage Area 28.2 Square Miles. Capacity of Reservoir 4796.6 Ac. Ft. at Spillway Elev. 1950. Ft. as of October 19 54 Survey 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	1823.3	249.8	0	3.6	1797.6	46.4	0.3	0	1800.1	57.7	0.1	0	1800.8	61.4	0.05	0	1
2	1822.7	242.9	0	3.6	1797.8	47.2	0.3	0	1800.1	57.7	0.1	0	1800.8	61.4	0.05	0	2
3	1822.1	236.0	0	3.6	1798.0	48.0	0.3	0	1800.2	58.2	0.1	0	1800.8	61.4	0.05	0	3
4	1821.5	229.3	0.2	3.6	1798.1	48.4	0.3	0	1800.2	58.2	0.1	0	1800.8	61.4	0.05	0	4
5	1820.9	222.7	0	3.6	1798.3	49.3	0.3	0	1800.3	58.8	0.1	0	1801.2	63.5	0.9	0	5
6	1820.3	216.3	0	3.5	1793.4	49.8	0.3	0	1800.3	58.8	0.1	0	1801.2	63.5	0.1	0	6
7	1819.6	208.9	0.1	3.5	1798.5	50.2	0.3	0	1800.4	59.3	0.05	0	1801.3	64.1	0.1	0	7
8	1819.0	202.7	0.1	3.5	1798.7	51.1	0.3	0	1800.4	59.3	0.05	0	1801.3	64.1	0.1	0	8
9	1818.4	196.7	0.1	3.4	1798.8	51.5	0.3	0	1800.4	59.3	0.05	0	1801.4	64.6	0.1	0	9
10	1817.6	188.8	0.1	3.6	1798.9	52.0	0.3	0	1800.4	59.3	0.05	0	1801.4	64.6	0.1	0	10
11	1816.8	181.1	0.1	4.0	1799.0	52.4	0.3	0	1800.5	59.8	0.05	0	1801.4	64.6	0.1	0	11
12	1816.0	173.6	0.1	4.0	1799.1	52.9	0.3	0	1800.5	59.8	0.05	0	1801.9	67.4	1.3	0	12
13	1815.2	166.4	0.1	4.0	1799.2	53.4	0.3	0	1800.5	59.8	0.05	0	1803.7	78.3	5.5	0	13
14	1814.3	158.4	0.1	4.0	1799.3	53.8	0.3	0	1800.6	60.3	0.05	0	1803.8	78.9	0.2	0	14
15	1813.4	150.6	0.1	4.0	1799.4	54.3	0.2	0	1800.6	60.3	0.05	0	1803.8	78.9	0.2	0	15
16	1812.5	143.0	0.1	4.0	1799.5	54.8	0.2	0	1800.6	60.3	0.05	0	1803.9	79.6	0.2	0	16
17	1811.6	135.6	0.1	4.0	1799.6	55.3	0.2	0	1800.6	60.3	0.05	0	1803.9	79.6	0.2	0	17
18	1810.6	127.5	0.1	4.0	1799.7	55.8	0.2	0	1800.7	60.8	0.05	0	1804.0	80.2	0.1	0	18
19	1809.6	119.8	0.2	3.9	1799.7	55.8	0.1	0	1800.7	60.8	0.05	0	1804.0	80.2	0.1	0	19
20	1808.6	112.2	0.2	3.9	1799.7	55.8	0.1	0	1800.7	60.8	0.05	0	1804.2	81.5	0.6	0	20
21	1807.6	104.9	0.2	3.8	1799.8	56.2	0.1	0	1800.7	60.8	0.05	0	1804.2	81.5	0.3	0	21
22	1806.5	97.1	0.2	3.9	1799.8	56.2	0.1	0	1800.7	60.8	0.05	0	1804.3	82.2	0.3	0	22
23	1805.5	90.2	0.2	3.9	1799.8	56.2	0.1	0	1800.7	60.8	0.05	0	1804.4	82.8	0.2	0	23
24	1804.4	82.8	0.2	3.9	1799.9	56.7	0.1	0	1800.8	61.4	0.05	0	1804.5	83.5	0.2	0	24
25	1803.3	75.8	0.2	3.8	1799.9	56.7	0.1	0	1800.8	61.4	0.05	0	1804.7	84.8	0.7	0	25
26	1802.1	68.6	0.2	3.6	1799.9	56.7	0.1	0	1800.8	61.4	0.05	0	1805.1	87.5	1.4	0	26
27	1800.9	61.9	0.3	4.0	1800.0	57.2	0.1	0	1800.8	61.4	0.05	0	1805.3	88.8	0.6	0	27
28	1799.3	53.8	0.3	4.1	1800.0	57.2	0.1	0	1800.8	61.4	0.05	0	1805.8	90.2	0.7	0	28
29	1797.6	46.4	0.3	4.0	1800.1	57.7	0.1	0	1800.8	61.4	0.05	0	1805.7	91.6	0.7	0	29
30	1797.2	44.7	0.3	1.3	1800.1	57.7	0.1	0	1800.8	61.4	0.05	0	1805.8	92.2	0.3	0	30
31	1797.4	45.5	0.3	0					1800.8	61.4	0.05	0	1806.0	93.6	0.7	0	31
TOTAL			4.5	111.6			6.2	0			1.9.0	0			16.2.0	0	
Inf. Ac. Ft.			8.9				12.3				3.8				32.1	57.1	
Outf. Ac. Ft.				221.4				0				0			0	221.4	
Maximum Mean Daily Inflow			0.3				0.3				0.1				5.5	5.5	
Minimum Mean Daily Inflow			0				0.1				0.05				0.05	0	
Storage Change		-212.5				+12.2				+3.7				+32.2		-164.4	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1839.0	feet on	6/26 TO 7/15/57	Storage	473.2	Acre Feet		
Min. W. S. Elev.	1797.0	feet on	10/30/56	Storage	43.9	Acre Feet		
Max. Peak Inf.	14.5	C.F.S. from	4:00 A.M. on	-1/13/57	to	5:00 A.M. on	1/13/57	
Max. Peak Outf.	47.	C.F.S. from	7:15 A.M. on	5/7/57	to	8:00 A.M. on	5/7/57	

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
E. K. BARR	Dam Tender	Gage Hts. copied	JHL FES	
J. R. HYDE	Hydrographer	Storage applied	JHL FES	
	Hydrographer	Inf. & Outf. comp.	JHL FES	

REMARKS (INDICATES AVERAGE FOR PERIOD

76D138N-68B Gb 7-55

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, 1957

On

Drainage Area 28.2 Square Miles. Capacity of Reservoir 4766.6 Ac. Ft. at Spillway Elev. 1960. Ft. as of October 1954 Survey

Continuous Water Stage Recorder AU

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	1806.2	95.0	0.7	0	1812.3	141.3	1.7	0	1830.2	338.2	1.1	0	1836.5	432.6	0.8	0	1
2	1806.4	96.4	0.7	0	1814.3	158.4	8.6	0	1830.4	341.0	1.1	0	1836.6	434.1	0.8	0	2
3	1806.6	97.8	0.6	0	1815.3	167.3	4.5	0	1830.5	342.4	1.1	0	1836.8	437.3	1.6	0	3
4	1806.8	99.2	0.6	0	1816.2	175.5	4.1	0	1830.7	345.2	1.1	0	1836.9	438.9	0.8	0	4
5	1806.9	99.9	0.6	0	1817.1	184.0	4.3	0	1830.9	348.0	1.1	0	1837.0	440.5	0.8	0	5
6	1807.1	101.3	0.7	0	1817.9	191.7	3.9	0	1831.0	349.4	1.0	0	1837.1	442.1	0.8	0	6
7	1807.3	102.8	0.8	0	1818.6	198.7	3.5	0	1831.2	352.3	1.0	0	1833.8	390.6	1.6	28.0	7
8	1807.5	104.2	0.7	0	1819.3	205.8	3.6	0	1831.3	353.7	1.0	0	1830.4	341.0	1.7	27.2	8
9	1807.7	105.6	0.7	0	1820.1	214.2	4.2	0	1831.4	355.2	1.0	0	1830.5	342.4	1.6	0	9
10	1807.9	107.1	0.7	0	1820.8	221.7	3.8	0	1831.6	358.0	1.0	0	1830.6	343.8	0.7	0	10
11	1808.1	108.5	0.6	0	1821.5	229.3	3.8	0	1831.7	359.5	1.0	0	1830.9	348.0	2.2	0	11
12	1808.3	110.0	0.6	0	1822.0	234.9	2.9	0	1831.8	360.9	1.0	0	1831.2	352.3	2.1	0	12
13	1808.5	111.5	0.6	0	1822.6	241.7	3.4	0	1831.9	362.4	1.0	0	1831.4	355.2	1.5	0	13
14	1808.6	112.2	0.6	0	1823.1	247.5	2.9	0	1832.1	365.3	1.0	0	1831.7	359.5	2.2	0	14
15	1808.7	113.0	0.6	0	1823.5	252.2	2.4	0	1832.2	366.7	1.0	0	1831.8	360.9	0.7	0	15
16	1808.9	114.5	0.6	0	1824.3	261.6	4.7	0	1832.3	368.2	1.0	0	1832.0	363.8	1.4	0	16
17	1809.0	115.2	0.6	0	1825.0	270.1	4.3	0	1832.6	372.6	2.3	0	1832.1	365.3	0.8	0	17
18	1809.2	116.7	0.6	0	1825.6	277.5	3.7	0	1833.0	378.5	2.9	0	1832.3	368.2	1.4	0	18
19	1809.3	117.5	0.5	0	1826.1	283.8	3.2	0	1833.4	384.5	3.0	0	1833.6	387.6	9.8	0	19
20	1809.4	118.2	0.5	0	1826.6	290.2	3.2	0	1833.8	390.6	3.1	0	1834.3	398.2	5.4	0	20
21	1809.5	119.0	0.5	0	1827.1	296.6	3.3	0	1834.3	398.0	3.8	0	1834.9	407.4	4.6	0	21
22	1809.7	120.5	0.5	0	1827.5	301.8	2.6	0	1834.7	404.3	3.1	0	1835.3	413.6	3.1	0	22
23	1810.3	125.2	2.3	0	1827.8	305.7	1.9	0	1835.0	408.9	2.4	0	1835.7	419.9	3.2	0	23
24	1810.5	126.8	0.8	0	1828.1	309.6	2.0	0	1835.3	413.6	2.3	0	1836.0	424.6	2.4	0	24
25	1810.7	128.3	0.8	0	1828.5	315.0	2.7	0	1835.6	418.3	2.4	0	1836.4	431.0	3.2	0	25
26	1810.9	129.9	0.8	0	1828.8	319.0	2.1	0	1835.8	421.5	1.6	0	1836.7	435.7	2.4	0	26
27	1811.0	130.7	0.4	0	1829.1	323.1	2.0	0	1835.9	423.0	1.6	0	1836.9	438.9	1.6	0	27
28	1811.9	138.0	3.7	0	1829.3	325.8	1.4	0	1836.1	426.2	1.6	0	1837.1	442.1	1.6	0	28
29					1829.6	329.9	2.0	0	1836.2	427.8	0.8	0	1837.3	445.4	1.7	0	29
30					1829.8	332.7	1.5	0	1836.4	431.0	0.8	0	1837.5	448.0	1.3	0	30
31					1830.0	335.4	1.3	0					1837.7	451.8	1.9	0	31
TOTAL			22.4	0			99.5	0			48.2	0			65.7	55.2	
Inf. Ac. Ft.			44.4				1974				956				1303	524.8	
Outf. Ac. Ft.				0				0				0			1095	330.9	
Maximum Mean Daily Inflow			3.7				8.6				3.8				9.8	9.8	
Minimum Mean Daily Inflow			0.4				1.3				0.8				0.6	0	
Storage Change	+444				+1974				+956				+208			+193.8	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1839.0	feet	on 6/26 TO 7/15/57	Storage	473.2	Acre Feet		
Min. W. S. Elev.	1797.0	feet	on 10/30/56	Storage	43.9	Acre Feet		
Max. Peak Inf.	14.5	C.F.S. from	4:00 A.M. on 1/13/57	to	5:00 A.M. on	1/13/57		
Max. Peak Outf.	47.	C.F.S. from	7:15 A.M. on 5/7/57	to	8:50 A.M. on	5/7/57		

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
E.K. BARR	Dam Tender	Gage Hts. copied	JHL FES	
J.R. HYDE	Hydrographer	Storage applied	JHL FES	
	Hydrographer	Inf. & Outf. comp.	JHL FES	

REMARKS { INDICATES AVERAGE FOR PERIOD

76D138N-68B Gb 7-55

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, 1957

On

Drainage Area 28.2 Square Miles. Capacity of Reservoir 4766.6 Ac. Ft. at Spillway Elev. 1960 Ft. as of October 1954 Survey

Continuous Water Stage Recorder AU

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	1837.8	453.5	0.8	0	1839.0	473.2	0	0	1838.3	461.7	0.02	3.8	1815.7	170.9	0.3	4.8	1
2	1837.9	455.1	0.8	0	1839.0	473.2	0	0	1837.7	451.8	0.02	5.0	1814.7	162.0	0.3	4.7	2
3	1838.0	456.7	0.7	0	1839.0	473.2	0	0	1837.1	442.1	0.02	5.0	1813.7	153.2	0.3	4.8	3
4	1838.1	458.4	0.7	0	1839.0	473.2	0	0	1836.5	432.6	0.02	5.0	1812.7	144.7	0.4	4.7	4
5	1838.1	458.4	0.6	0	1839.0	473.2	0	0	1835.8	421.5	0.02	5.0	1811.6	135.6	0.4	4.7	5
6	1838.2	460.0	0.6	0	1839.0	473.2	0	0	1835.2	412.0	0.02	5.0	1810.5	126.8	0.4	4.7	6
7	1838.2	460.0	0.6	0	1839.0	473.2	0	0	1834.6	402.8	0.02	5.0	1809.4	118.2	0.4	4.8	7
8	1838.3	461.7	0.6	0	1839.0	473.2	0	0	1834.0	393.6	0.02	4.9	1808.2	109.3	0.4	4.8	8
9	1838.4	463.3	0.6	0	1839.0	473.2	0	0	1833.3	383.0	0.02	4.9	1807.1	101.3	0.4	4.7	9
10	1838.5	465.0	0.6	0	1839.0	473.2	0	0	1832.7	374.1	0.02	4.9	1805.9	92.9	0.3	4.4	10
11	1838.6	466.6	0.5	0	1839.0	473.2	0	0	1832.0	363.8	0.1	4.9	1804.6	84.2	0.2	4.8	11
12	1838.6	466.6	0.4	0	1839.0	473.2	0	0	1831.3	353.7	0.1	4.9	1803.2	75.2	0.2	4.8	12
13	1838.7	468.3	0.3	0	1839.0	473.2	0	0	1830.7	345.2	0.1	4.9	1801.7	66.3	0.2	4.7	13
14	1838.7	468.3	0.3	0	1839.0	473.2	0	0	1830.0	335.4	0.1	4.9	1800.2	58.2	0.3	4.6	14
15	1838.8	469.9	0.3	0	1839.0	473.2	0	0	1829.2	324.4	0.1	4.9	1798.1	48.4	0.3	4.7	15
16	1838.8	469.9	0.3	0	1838.9	471.6	0	0	1828.5	315.0	0.1	4.9	1797.6	45.4	0.4	1.6	16
17	1838.8	469.9	0.3	0	1838.9	471.6	0	0	1827.8	305.7	0.1	4.9	1797.8	47.2	0.5	0	17
18	1838.9	471.6	0.3	0	1838.9	471.6	0	0	1827.1	296.6	0.1	4.9	1798.0	48.0	0.5	0	18
19	1838.9	471.6	0.3	0	1838.9	471.6	0	0	1826.4	287.6	0.1	4.9	1798.2	48.9	0.5	0	19
20	1838.9	471.6	0.2	0	1838.9	471.6	0	0	1825.7	278.8	0.1	4.9	1798.4	49.8	0.4	0	20
21	1838.9	471.6	0.2	0	1838.9	471.6	0	0	1824.9	268.9	0.2	4.9	1798.6	50.6	0.3	0	21
22	1838.9	471.6	0.2	0	1838.9	471.6	0	0	1824.1	259.2	0.2	4.9	1798.7	51.1	0.3	0	22
23	1838.9	471.6	0.2	0	1838.9	471.6	0	0	1823.4	251.0	0.2	4.9	1798.8	51.5	0.3	0	23
24	1838.9	471.6	0.1	0	1838.9	471.6	0	0	1822.7	242.9	0.3	4.9	1798.9	52.0	0.2	0	24
25	1838.9	471.6	0.1	0	1838.9	471.6	0	0	1821.8	232.7	0.3	4.9	1799.0	52.4	0.2	0	25
26	1839.0	473.2	0.1	0	1838.9	471.6	0	0	1821.0	223.8	0.3	4.8	1799.0	52.4	0.2	0	26
27	1839.0	473.2	0.1	0	1838.9	471.6	0	0	1820.1	214.2	0.3	4.8	1799.1	52.9	0.2	0	27
28	1839.0	473.2	0	0	1838.9	471.6	0	0	1819.3	205.8	0.3	4.8	1799.2	53.4	0.2	0	28
29	1839.0	473.2	0	0	1838.8	469.9	0	0	1818.4	196.7	0.3	4.8	1799.3	53.8	0.2	0	29
30	1839.0	473.2	0	0	1838.8	469.9	0	0	1817.5	187.6	0.3	4.8	1799.4	54.3	0.1	0	30
31					1838.8	469.9	0	0	1816.6	179.2	0.3	4.8					31
TOTAL			10.8	0			0	0			4.20	150.8			9.3	72.3	
Inf. Ac. Ft.			21.4				0				8.3				18.4	572.9	
Outf. Ac. Ft.				0			0	+ (3.3)				299.1			143.4	773.4 + (3.3)	
Maximum Mean Daily Inflow			0.8				0				0.3				0.5	9.8	
Minimum Mean Daily Inflow			0				0				0.02				0.1	0	
Storage Change	+21.4				-3.3				-290.7				-124.9			-203.7	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1839.0	feet	on 6/26 TO 7/15/57	Storage	473.2	Acre Feet		
Min. W. S. Elev.	1797.0	feet	on 10/30/56	Storage	43.9	Acre Feet		
Max. Peak Inf.	14.5	C.F.S. from	4:00 A.M. on 1/13/57	to	5:00 A.M. on	1/13/57		
Max. Peak Outf.	47.	C.F.S. from	7:15 A.M. on 5/7/57	to	8:50 A.M. on	5/7/57		

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
E.K. BARR	Dam Tender	Gage Hts. copied	JHL FES	
J.R. HYDE	Hydrographer	Storage applied	JHL FES	
	Hydrographer	Inf. & Outf. comp.	JHL FES	

REMARKS { INDICATES AVERAGE FOR PERIOD OR PRORATED AMOUNTS
( ) INDICATES EVAPORATION LOSSES
* INFLOW DUE TO BANK STORAGE

76D138N-68B Gb 7-55

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of BIG TUJUNGA Dam

In ~~Co~~ Big Tujunga Canyon for the Year Ending September 30, 19 56

Continuous Water Stage Recorder Au

Drainage Area 82.3 Square Miles. Capacity of Reservoir 4099.2 Ac. Ft. at Spillway Elev. 2290.0 Ft. as of October 19 53 Survey 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	2203.5	399.9	0.7	14.8	2165.3	408	0.7	1.0	2167.1	483	0.6	0.1	2177.9	1147	1.8	0.1	1
2	2201.5	372.2	0.7	14.4	2165.2	404	0.7	1.0	2167.4	496	0.7	0.1	2178.4	1187	1.8	0.1	2
3	2199.7	347.7	0.7	14.0	2165.0	396	0.7	1.0	2167.6	506	0.6	0.1	2178.8	1219	1.8	0.1	3
4	2197.5	318.7	0.7	14.2	2164.9	392	0.7	1.0	2167.8	515	0.7	0.2	2179.2	1252	1.8	0.1	4
5	2195.0	287.6	0.7	15.2	2164.7	385	0.7	1.0	2168.1	529	0.9	0.2	2179.6	1285	1.8	0.1	5
6	2192.6	259.5	0.7	15.2	2164.5	377	0.7	1.0	2168.3	539	0.7	0.2	2179.9	1311	1.7	0.1	6
7	2190.0	230.4	0.7	14.4	2164.4	373	0.7	1.0	2168.5	549	0.6	0.1	2180.4	1353	1.7	0.1	7
8	2187.5	203.6	0.7	14.0	2164.2	366	0.8	1.0	2168.7	559	0.6	0.1	2180.7	1379	1.7	0.1	8
9	2185.2	180.0	0.7	12.9	2164.1	362	0.8	1.1	2168.9	569	0.6	0.1	2181.0	1405	1.7	0.1	9
10	2183.0	158.8	0.7	11.3	2163.9	354	0.8	1.1	2169.1	579	0.6	0.1	2181.4	1441	1.6	0.1	10
11	2180.8	138.8	0.7	11.0	2163.7	348	0.8	1.1	2169.3	590	0.6	0.1	2181.7	1468	1.6	0.1	11
12	2178.4	118.7	0.7	10.4	2163.6	344	0.8	1.2	2169.5	600	0.7	0.1	2182.0	1495	1.6	0.1	12
13	2176.2	101.9	0.7	9.0	2163.4	337	0.8	1.2	2169.7	611	0.6	0.1	2182.3	1523	1.6	0.1	13
14	2174.0	86.7	0.7	7.9	2163.6	344	1.7	1.3	2169.9	622	0.7	0.1	2182.6	1551	1.6	0.1	14
15	2172.1	74.8	0.7	6.7	2163.5	340	0.9	1.1	2170.1	633	0.6	0.1	2182.9	1579	1.6	0.1	15
16	2170.5	65.5	0.7	5.3	2163.3	334	0.7	1.0	2170.4	649	0.9	0.1	2183.2	1607	1.6	0.2	16
17	2169.5	60.0	0.7	3.8	2163.6	344	1.4	0.9	2170.8	672	1.3	0.1	2183.5	1636	1.5	0.2	17
18	2168.7	55.9	0.6	2.9	2163.7	348	0.6	0.2	2171.2	695	1.2	0.1	2183.8	1664	1.5	0.2	18
19	2168.0	52.4	0.6	2.8	2164.0	358	0.6	0.1	2171.6	718	1.3	0.1	2184.0	1683	1.5	0.2	19
20	2167.5	50.1	0.6	2.3	2164.3	369	0.6	0.1	2172.0	742	1.3	0.1	2184.3	1712	1.5	0.2	20
21	2167.4	49.6	0.6	1.3	2164.7	385	0.8	0.2	2172.5	772	1.6	0.1	2184.6	1741	1.5	0.2	21
22	2167.3	49.2	0.6	1.2	2164.9	392	0.6	0.1	2173.0	803	1.7	0.1	2184.9	1770	1.5	0.2	22
23	2167.1	48.3	0.6	1.2	2165.2	404	0.6	0.1	2173.5	835	1.7	0.1	2185.1	1790	1.5	0.3	23
24	2166.9	47.4	0.6	1.1	2165.5	416	0.6	0.1	2174.0	867	1.7	0.1	2185.4	1820	1.5	0.3	24
25	2166.7	46.5	0.6	1.1	2165.7	423	0.6	0.1	2174.5	900	1.8	0.1	2186.2	1901	4.5	0.4	25
26	2166.5	45.6	0.6	1.1	2166.0	435	0.6	0.1	2175.1	941	2.1	0.1	2216.3	6127	2333	20.3	26
27	2166.3	44.8	0.6	1.0	2166.2	444	0.6	0.1	2175.6	976	1.9	0.1	2221.1	7213	1900	135.2	27
28	2166.1	43.9	0.6	1.0	2166.4	452	0.6	0.1	2176.2	1019	2.3	0.1	2218.6	6634	501	79.3	28
29	2165.9	43.1	0.6	1.0	2166.7	465	0.6	0.1	2176.6	1048	1.5	0.1	2215.5	5958	214	55.5	29
30	2165.7	42.3	0.6	1.0	2166.9	474	0.6	0.1	2177.0	1078	1.7	0.1	2211.6	5219	183	55.5	30
31	2165.5	41.6	0.6	1.0					2177.5	1116	2.0	0.1	2209.4	4862	200	38.0	31
TOTAL			20.3	214.5			22.4	19.5			35.8	3.4			576.6	387.7	
Inf. Ac. Ft.			403				444				710				1143.7	1299.4	
Outf. Ac. Ft.				4255				387				67			769.0	1239.9	
Maximum Mean Daily Inflow			0.7				1.7				2.1				233.3	233.3	
Minimum Mean Daily Inflow			0.6				0.6				0.6				1.5	0.6	
Storage Change	-385.2					+58				+642				+3746		+594	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	2242.95	feet on	5/13/56	Storage	1375.7	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	2158.3	feet on	9/4/56	Storage	18.1	Acre Feet	D.J. ROBERTSON	Dam Tender	Gage Hts. copied	JHL HRW
Max. Peak Inf.	582.	C.F.S. from	6:00 P.M. on 1/26/56	to	7:00 P.M.	on 1/26/56	J.R. HYDE	Hydrographer	Storage applied	JHL HRW
Max. Peak Outf.	148.	C.F.S. from	1:36 A.M. on 1/27/56	to	4:00 P.M.	on 1/27/56		Hydrographer	Inf. & Outf. comp.	JHL HRW

REMARKS { INDICATES AVERAGE FOR PERIOD
NO ALLOWANCE MADE FOR EVAPORATION OR PERCOLATION
OUTFLOW FROM STATION F168-R

76D138N-68B Gb 7-55

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of BIG TUJUNGA Dam

In ~~Co~~ Big Tujunga Canyon for the Year Ending September 30, 19 56

Continuous Water Stage Recorder Au

Drainage Area 82.3 Square Miles. Capacity of Reservoir 4099.2 Ac. Ft. at Spillway Elev. 2290.0 Ft. as of October 19 53 Survey 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	2210.7	5069	11.5	1.1	2224.9	8146	4.3	0.4	2232.5	10221	3.3	0.3	2242.1	13434	5.8	6.8	1
2	2211.7	5236	9.3	0.8	2225.2	8222	4.3	0.4	2232.7	10280	3.3	0.3	2242.0	13396	5.7	6.8	2
3	2212.6	5394	8.6	0.7	2225.5	8299	4.2	0.4	2232.9	10339	3.3	0.3	2242.0	13396	5.7	6.8	3
4	2213.4	5542	8.2	0.7	2225.8	8376	4.2	0.4	2233.1	10398	3.3	0.3	2242.0	13396	5.7	6.8	4
5	2214.0	5655	6.3	0.6	2226.1	8453	4.2	0.3	2233.3	10458	3.2	0.3	2241.9	13359	5.7	6.8	5
6	2214.6	5774	6.5	0.5	2226.4	8531	4.1	0.3	2233.5	10518	2.8	0.3	2241.8	13322	5.7	6.8	6
7	2215.2	5896	6.6	0.5	2226.7	8610	4.0	0.3	2233.6	10549	2.8	0.3	2241.7	13284	5.7	6.8	7
8	2215.7	6000	5.8	0.5	2227.0	8688	4.0	0.3	2233.8	10609	2.7	0.3	2241.7	13284	6.8	6.8	8
9	2216.2	6106	5.8	0.5	2227.3	8768	4.0	0.3	2233.9	10639	2.7	0.3	2242.2	13472	16.3	6.8	9
10	2216.7	6213	5.9	0.5	2227.5	8822	4.0	0.3	2234.1	10700	2.7	0.3	2242.6	13624	14.5	6.8	10
11	2217.1	6300	5.5	0.5	2227.8	8902	3.9	0.3	2234.4	10792	5.0	0.3	2242.8	13700	10.6	6.8	11
12	2217.6	6411	5.5	0.5	2228.1	8982	3.9	0.3	2235.8	11230	22.3	0.3	2242.9	13738	8.7	6.8	12
13	2218.0	6499	5.4	0.5	2228.3	9036	3.8	0.3	2237.2	11687	23.4	0.3	2242.9	13738	6.8	6.8	13
14	2218.5	6612	5.4	0.5	2228.6	9008	3.8	0.3	2238.1	11992	15.7	0.3	2242.9	13738	6.8	6.8	14
15	2218.9	6702	5.4	0.5	2228.8	9172	3.8	0.3	2238.8	12234	12.5	0.3	2242.8	13700	4.7	6.8	15
16	2219.2	6771	4.8	0.4	2229.0	9226	3.7	0.3	2239.4	12445	15.1	4.5	2242.7	13662	4.7	6.5	16
17	2219.7	6866	4.8	0.4	2229.3	9303	3.6	0.3	2239.9	12623	15.8	6.8	2242.6	13624	4.6	6.5	17
18	2220.1	6978	4.8	0.4	2229.5	9364	3.6	0.3	2240.6	12878	19.6	6.8	2242.5	13586	4.6	6.5	18
19	2220.4	7049	4.8	0.4	2229.7	9420	3.6	0.3	2241.0	13024	14.2	6.8	2242.4	13548	4.6	6.5	19
20	2220.8	7142	4.7	0.4	2230.0	9503	3.6	0.3	2241.2	13098	10.5	6.8	2242.3	13510	4.1	6.5	20
21	2221.1	7213	4.7	0.4	2230.2	9559	3.5	0.3	2241.4	13173	10.6	6.8	2242.2	13472	4.1	6.5	21
22	2221.5	7308	4.7	0.4	2230.4	9616	3.5	0.3	2241.5	13210	8.7	6.8	2242.0	13396	4.1	6.7	22
23	2222.0	7428	6.6	0.5	2230.7	9700	3.4	0.3	2241.5	13210	6.8	6.8	2241.9	13359	4.1	6.7	23
24	2222.6	7574	7.7	0.4	2230.9	9757	3.4	0.3	2241.5	13210	6.8	6.8	2241.7	13284	4.1	6.7	24
25	2223.1	7696	6.6	0.4	2231.1	9814	3.4	0.3	2241.5	13210	6.8	6.8	2241.6	13247	4.1	6.7	25
26	2223.5	7795	5.4	0.4	2231.3	9872	3.2	0.3	2241.6	13247	8.6	6.8	2241.5	13210	4.1	6.7	26
27	2223.8	7869	4.1	0.4	2231.5	9930	3.2	0.2	2241.9	13359	12.5	6.8	2241.3	13136	4.1	6.7	27
28	2224.2	7969	5.4	0.4	2231.7	9987	3.2	0.2	2242.0	13396	8.6	6.8	2241.2	13098	4.1	6.7	28
29	2224.6	8070	5.5	0.4	2231.9	10045	3.1	0.2	2242.1	13434	8.8	6.8	2241.1	13061	4.1	6.5	29
30					2232.1	10103	3.1	0.2	2242.1	13434	6.8	6.8	2240.9	12987	4.1	6.5	30
31					2232.3	10162	3.1	0.2					2240.8	12951	4.0	6.3	31
TOTAL			176.3	14.6			114.7	9.2			269.2	104.2			182.8	207.2	
Inf. Ac. Ft.			349.7				2275				533.9				362.6	2773.1	
Outf. Ac. Ft.				29.0				182			206.7				411.0	1904.8	
Maximum Mean Daily Inflow			11.5				4.3				23.4				16.3	233.3	
Minimum Mean Daily Inflow			4.1				3.1				2.7				4.0	0.6	
Storage Change	+320.8					+209.2				+327.2				-483		+868.3	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	2242.95	feet on	5/13/56	Storage	1375.7	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	2158.3	feet on	9/4/56	Storage	18.1	Acre Feet	D.J. ROBERTSON	Dam Tender	Gage Hts. copied	JHL HRW
Max. Peak Inf.	582.	C.F.S. from	6:00 P.M. on 1/26/56	to	7:00 P.M.	on 1/26/56	J.R. HYDE	Hydrographer	Storage applied	JHL HRW
Max. Peak Outf.	148.	C.F.S. from	1:36 A.M. on 1/27/56	to	4:00 P.M.	on 1/27/56		Hydrographer	Inf. & Outf. comp.	JHL HRW

REMARKS { INDICATES AVERAGE FOR PERIOD.
NO ALLOWANCE MADE FOR EVAPORATION OR PERCOLATION
OUTFLOW FROM STATION F168-R

76D138N-68B Gb 7-55

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, 1956

Continuous Water Stage Recorder Au

Drainage Area 62.3 Square Miles. Capacity of Reservoir 4099.2 Ac. Ft. at Spillway Elev. 2290.0 Ft. as of October 1953 Survey 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	2240.6	1287.8	2.7	6.3	2231.0	978.5	1.1	7.6	2213.5	556.0	1.0	8.6	2163.8	35.1	0.8	6.1	1
2	2240.4	1280.5	2.7	6.3	2230.5	964.4	1.1	7.6	2212.7	541.2	1.0	8.6	2161.4	27.0	0.8	4.7	2
3	2240.2	1273.2	2.6	6.3	2230.0	950.3	1.1	7.9	2211.9	527.0	1.0	8.3	2159.4	21.0	0.8	4.1	3
4	2240.0	1265.9	2.6	6.3	2229.6	939.2	1.1	8.1	2211.1	513.5	1.0	8.3	2158.3	18.1	0.8	2.8	4
5	2239.8	1258.8	2.6	6.3	2229.2	925.4	1.1	7.4	2210.3	500.5	1.0	7.9	2158.4	18.3	0.8	0.6	5
6	2239.6	1251.7	1.5	6.3	2228.7	914.5	1.1	7.4	2209.4	486.2	1.0	7.9	2158.6	18.9	0.7	0.6	6
7	2239.3	1241.0	1.5	6.3	2228.2	900.9	1.1	7.4	2208.5	472.4	1.0	7.9	2158.6	18.9	0.7	0.6	7
8	2239.1	1233.9	1.5	6.3	2227.7	887.5	1.1	7.4	2207.6	458.8	1.0	7.6	2158.7	19.1	0.7	0.6	8
9	2238.8	1223.4	1.5	6.3	2227.2	874.2	1.1	7.2	2206.7	445.6	1.0	7.4	2158.7	19.1	0.7	0.6	9
10	2238.6	1216.5	1.5	6.3	2226.8	863.6	1.1	7.2	2205.9	434.0	1.0	7.6	2158.8	19.4	0.7	0.5	10
11	2238.3	1206.8	1.5	6.1	2226.3	850.5	1.1	7.2	2205.0	421.0	1.0	7.9	2158.8	19.4	0.6	0.5	11
12	2238.0	1195.7	1.5	6.1	2225.8	837.6	1.1	7.2	2204.1	408.3	1.0	7.9	2158.8	19.4	0.6	0.4	12
13	2237.7	1185.6	1.5	6.1	2225.3	824.8	1.1	7.2	2203.2	395.7	1.0	8.1	2158.8	19.4	0.6	0.4	13
14	2237.4	1175.5	1.5	6.1	2224.8	812.1	1.1	7.2	2202.3	383.2	1.0	8.1	2158.9	19.6	0.6	0.5	14
15	2237.1	1165.4	1.4	6.1	2224.3	799.5	1.1	7.4	2201.3	369.4	1.0	8.1	2158.9	19.6	0.6	0.5	15
16	2236.8	1155.5	1.4	6.1	2223.8	786.9	1.1	7.4	2199.6	346.3	1.0	12.0	2158.9	19.6	0.5	0.5	16
17	2236.5	1145.6	1.4	6.1	2223.3	774.5	1.1	7.2	2197.5	318.7	1.0	14.4	2158.9	19.6	0.5	0.5	17
18	2236.2	1135.8	1.3	6.1	2222.8	762.2	1.1	7.4	2195.8	297.4	1.0	11.0	2159.0	19.9	0.5	0.5	18
19	2235.9	1126.1	1.3	6.1	2222.3	750.1	1.1	7.4	2193.7	272.2	1.0	14.0	2159.0	19.9	0.5	0.5	19
20	2235.6	1116.7	1.3	6.8	2221.8	738.0	1.1	7.4	2191.0	241.4	1.0	16.3	2159.0	19.9	0.5	0.5	20
21	2235.2	1104.0	1.2	7.6	2221.2	723.7	1.1	7.4	2188.6	215.2	1.0	14.8	2159.0	19.9	0.5	0.5	21
22	2234.8	1091.5	1.2	7.6	2220.7	711.9	1.1	7.4	2186.3	191.1	0.9	13.6	2159.0	19.9	0.5	0.5	22
23	2234.4	1079.2	1.2	7.6	2220.0	695.5	1.1	8.3	2184.3	171.2	0.9	10.4	2159.0	19.9	0.5	0.5	23
24	2234.0	1066.9	1.2	7.6	2219.3	679.4	1.0	9.0	2182.5	154.2	0.9	10.1	2159.0	19.9	0.5	0.5	24
25	2233.6	1054.9	1.2	7.6	2218.6	663.4	1.0	9.3	2180.6	137.1	0.9	9.0	2159.0	19.9	0.5	0.5	25
26	2233.1	1039.8	1.2	7.6	2217.8	645.5	1.0	9.3	2178.7	121.1	0.9	8.6	2159.0	19.9	0.5	0.5	26
27	2232.7	1028.0	1.1	7.6	2217.1	630.0	1.0	9.3	2177.0	107.8	0.9	7.4	2159.0	19.9	0.5	0.5	27
28	2232.3	1016.2	1.1	7.3	2216.4	614.9	1.0	9.3	2175.3	95.5	0.9	7.0	2159.0	19.9	0.5	0.5	28
29	2231.9	1004.5	1.1	7.4	2215.7	600.0	1.0	9.0	2173.5	77.2	0.9	9.2	2159.0	19.9	0.4	0.4	29
30	2231.4	990.1	1.1	7.6	2215.0	585.4	1.0	9.0	2169.2	58.5	0.9	9.5	2159.0	19.9	0.4	0.4	30
31					2214.3	571.5	1.0	8.8	2166.5	45.6	0.9	7.6					31
TOTAL			46.4	200.2			33.3	244.3			30.0	295.1			17.8	30.8	
Inf. Ac. Ft.			92.0				66.0				59.5				35.3	30259	
Outf. Ac. Ft.				397.1				484.6				585.3			6.1	34329	
Maximum Mean Daily Inflow			2.7				1.1				1.0				0.8	233.3	
Minimum Mean Daily Inflow			1.1				1.0				0.9				0.4	0.4	
Storage Change		-305.0				-418.6				-525.9				-25.7		-4069	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	2242.95	feet	on	5/13/56	Storage	1375.7	Acre Feet			
Min. W. S. Elev.	2158.3	feet	on	9/4/56	Storage	18.1	Acre Feet			
Max. Peak Inf.	582.	C. F. S. from	6:00 P.M.	on	1/26/56	to	7:00 P.M.	on	1/26/56	
Max. Peak Outf.	148.	C. F. S. from	1:36 A.M.	on	1/27/56	to	4:00 P.M.	on	1/27/56	

REMARKS: INDICATES AVERAGE FOR PERIOD
NO ALLOWANCE MADE FOR EVAPORATION OR PERCOLATION
OUTFLOW FROM STATION F168-R

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
D.J. ROBERTSON	Dam Tender	Gage Hts. copied	JHL	HRW
J.R. HYDE	Hydrographer	Storage applied	JHL	HRW
	Hydrographer	Inf. & Outf. comp.	JHL	HRW

76D138N-68B Gb 7-55

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, 1957

Continuous Water Stage Recorder Au

Drainage Area 62.3 Square Miles. Capacity of Reservoir 4099.2 Ac. Ft. at Spillway Elev. 2290.0 Ft. as of October 1953 Survey 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	2139.0	19.9	0.4	0.4	2166.1	43.9	0.4	0.1	2170.5	65.5	0.5	0.1	2174.3	88.7	0.5	0.1	1
2	2159.0	19.9	0.5	0.5	2166.2	44.4	0.4	0.1	2170.6	66.1	0.5	0.1	2174.4	89.4	0.4	0.1	2
3	2159.0	19.9	0.6	0.6	2166.4	45.2	0.4	0.1	2170.8	67.2	0.5	0.1	2174.5	90.0	0.4	0.1	3
4	2159.2	20.5	0.7	0.6	2166.6	46.1	0.4	0.1	2171.0	68.3	0.5	0.1	2174.7	91.4	0.8	0.1	4
5	2159.5	21.3	0.7	0.2	2166.8	46.9	0.5	0.1	2171.1	68.9	0.5	0.1	2174.9	92.7	0.8	0.1	5
6	2159.9	22.4	0.7	0.2	2167.0	47.8	0.5	0.1	2171.3	70.1	0.5	0.1	2175.0	93.4	0.4	0.1	6
7	2160.2	23.3	0.7	0.2	2167.1	48.3	0.5	0.1	2171.4	70.7	0.5	0.1	2175.2	94.8	0.8	0.1	7
8	2160.5	24.2	0.6	0.1	2167.3	49.2	0.5	0.1	2171.5	71.2	0.5	0.1	2175.5	96.9	1.2	0.1	8
9	2160.8	25.1	0.6	0.1	2167.5	50.1	0.5	0.1	2171.6	71.8	0.5	0.1	2175.7	98.3	0.8	0.1	9
10	2161.2	26.3	0.6	0	2167.6	50.6	0.5	0.1	2171.7	72.4	0.5	0.1	2176.1	101.1	1.5	0.1	10
11	2161.5	27.3	0.5	0	2167.8	51.5	0.5	0.1	2171.9	73.6	0.5	0.1	2176.6	104.8	2.0	0.1	11
12	2161.8	28.3	0.5	0	2168.0	52.4	0.5	0.1	2172.0	74.2	0.5	0.1	2178.6	120.3	7.9	0.1	12
13	2162.1	29.2	0.5	0	2168.1	52.9	0.5	0.1	2172.1	74.8	0.5	0.1	2198.6	333.0	107.3	0.1	13
14	2162.4	30.3	0.5	0	2168.2	53.4	0.5	0.1	2172.2	75.4	0.5	0.1	2200.8	362.6	15.1	0.2	14
15	2162.6	30.9	0.5	0	2168.4	54.4	0.5	0.1	2172.4	76.6	0.5	0.1	2201.8	376.3	7.2	0.2	15
16	2162.9	32.0	0.5	0	2168.5	54.9	0.5	0.1	2172.5	77.2	0.5	0.1	2202.6	387.3	5.7	0.2	16
17	2163.2	33.0	0.5	0.1	2168.7	55.9	0.5	0.1	2172.6	77.9	0.5	0.1	2203.0	392.9	3.0	0.2	17
18	2163.4	33.7	0.5	0.1	2168.8	56.4	0.5	0.1	2172.7	78.5	0.5	0.1	2203.3	397.1	2.3	0.2	18
19	2163.6	34.4	0.5	0.1	2168.9	56.9	0.5	0.1	2172.8	79.1	0.5	0.1	2203.7	402.7	3.1	0.2	19
20	2163.8	35.1	0.5	0.1	2169.0	57.4	0.4	0.1	2173.0	80.3	0.5	0.1	2204.2	409.7	3.7	0.2	20
21	2163.9	35.4	0.5	0.1	2169.2	58.5	0.4	0.1	2173.1	80.9	0.5	0.1	2204.6	415.4	3.1	0.2	21
22	2164.1	36.2	0.5	0.1	2169.3	59.0	0.4	0.1	2173.2	81.6	0.5	0.1	2205.0	421.0	3.0	0.2	22
23	2164.3	36.9	0.5	0.1	2169.5	60.0	0.4	0.1	2173.3	82.2	0.5	0.1	2205.4	426.8	3.1	0.2	23
24	2164.5	37.7	0.5	0.1	2169.6	60.6	0.4	0.1	2173.4	82.9	0.5	0.1	2205.8	432.5	3.1	0.2	24
25	2164.7	38.5	0.5	0.1	2169.7	61.1	0.4	0.1	2173.5	83.5	0.5	0.1	2206.3	439.8	3.9	0.2	25
26	2165.0	39.6	0.5	0.1	2169.9	62.2	0.4	0.1	2173.6	84.1	0.5	0.1	2206.8	447.0	3.8	0.2	26
27	2165.2	40.4	0.5	0.1	2170.0	62.7	0.4	0.1	2173.7	84.8	0.4	0.1	2207.4	455.9	4.7	0.2	27
28	2165.4	41.4	0.5	0.1	2170.1	63.3	0.4	0.1	2173.8	85.4	0.4	0.1	2207.8	461.8	3.2	0.2	28
29	2165.6	41.9	0.4	0.1	2170.2	63.8	0.4	0.1	2173.9	86.1	0.4	0.1	2208.3	469.4	4.0	0.2	29
30	2165.8	42.7	0.4	0.1	2170.3	64.4	0.4	0.1	2174.1	87.4	0.4	0.1	2208.8	477.0	4.0	0.2	30
31	2166.0	43.5	0.4	0.1					2174.2	88.0	0.4	0.1	2209.3	484.7	4.1	0.2	31
TOTAL			15.3	4.4			13.5	3.0			15.0	3.1			204.9	4.9	
Inf. Ac. Ft.			32.3				26.8				29.8				406.4	495.3	
Outf. Ac. Ft.				8.7				6.0				6.1			9.7	30.5	
Maximum Mean Daily Inflow			0.7				0.5				0.5				107.3	107.3	
Minimum Mean Daily Inflow			0.4				0.4				0.4				0.4	0.4	
Storage Change		+23.6				+209				+23.6				+396.7		+464.8	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	2244.7	feet	on	6/1/57	Storage	1444.	Acre Feet			
Min. W. S. Elev.	2159.0	feet	on	10/1/56	Storage	19.9	Acre Feet			
Max. Peak Inf.	283.	C. F. S. from	6:00 A.M.	on	1/13/57	to	8:00 A.M.	on	1/13/57	
Max. Peak Outf.	22.	C. F. S. from	11:10 A.M.	on	5/22/57	to	11:40 A.M.	on	5/22/57	

REMARKS: INDICATES AVERAGE FOR PERIOD

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
D.J. ROBERTSON	Dam Tender	Gage Hts. copied	JHL	FES
J.R. HYDE	Hydrographer	Storage applied	JHL	FES
	Hydrographer	Inf. & Outf. comp.	JHL	FES

76D138N-68B Gb 7-55

Daily Gage Height in feet and Operation Record of BIG TUJUNGA Dam

In Big Tujunga Canyon for the Year Ending September 30, 1957

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Drainage Area 82.3 Square Miles. Capacity of Reservoir 4099.2 Ac. Ft. at Spillway Elev. 2290.0 Ft. as of October 1953 Survey

Continuous Water Stage Recorder Au

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	2209.7	4909	3.3	0.2	2230.9	975.7	20.0	0.2	2236.9	1158.7	3.1	1.4	2240.8	1295.1	2.2	1.3	1
2	2210.2	4988	4.2	0.2	2231.8	1001.6	13.3	0.2	2237.0	1162.0	3.1	1.4	2240.8	1295.1	2.2	1.3	2
3	2210.6	5053	3.5	0.2	2232.5	1022.1	10.5	0.2	2237.1	1165.4	3.1	1.4	2240.9	1298.7	2.2	1.3	3
4	2211.1	5135	4.3	0.2	2232.9	1033.9	10.3	4.3	2237.3	1172.1	3.0	1.4	2240.9	1298.7	2.2	1.3	4
5	2211.5	5202	3.6	0.2	2233.0	1036.8	10.9	9.5	2237.4	1175.5	3.0	1.4	2240.9	1298.7	2.2	1.3	5
6	2211.8	5253	2.8	0.2	2233.0	1036.8	9.5	9.5	2237.4	1175.5	3.0	1.4	2241.0	1302.4	2.2	1.8	6
7	2212.2	5323	3.7	0.2	2233.0	1036.8	7.8	7.8	2237.5	1178.8	3.0	1.4	2241.0	1302.4	2.2	1.3	7
8	2212.6	5394	3.8	0.2	2233.1	1039.8	5.1	3.6	2237.6	1182.2	3.0	1.4	2241.1	1306.1	2.2	1.3	8
9	2213.2	5504	5.7	0.2	2233.4	1048.8	8.2	3.6	2237.7	1185.6	3.0	1.4	2241.1	1306.1	2.0	1.3	9
10	2214.0	5655	7.8	0.2	2233.7	1057.9	8.2	3.6	2237.8	1189.0	3.0	1.4	2241.4	1317.3	7.0	1.3	10
11	2214.7	5794	7.2	0.2	2233.9	1063.9	6.6	3.6	2237.9	1192.3	3.0	1.4	2241.9	1335.9	10.6	1.3	11
12	2215.3	5917	6.4	0.2	2234.0	1066.9	5.1	3.6	2237.9	1192.3	3.0	1.4	2242.3	1351.0	8.9	1.3	12
13	2215.8	6021	5.5	0.2	2234.1	1070.0	5.2	3.6	2238.0	1195.7	3.0	1.4	2242.5	1358.6	5.3	1.4	13
14	2216.2	6106	4.5	0.2	2234.1	1070.0	3.6	3.6	2238.1	1199.2	3.0	1.4	2242.8	1370.0	7.1	1.4	14
15	2216.5	6170	3.4	0.2	2234.2	1073.1	5.1	3.6	2238.2	1202.6	3.0	1.4	2242.9	1373.8	3.3	1.4	15
16	2216.8	6235	3.5	0.2	2234.6	1085.4	9.8	3.6	2238.3	1206.8	3.0	1.4	2243.1	1381.5	5.3	1.4	16
17	2217.1	6300	3.5	0.2	2234.8	1091.5	6.8	3.7	2238.5	1213.0	4.5	1.4	2243.2	1385.4	3.4	1.4	17
18	2217.4	6366	3.5	0.2	2234.9	1094.6	5.3	3.7	2238.7	1219.9	4.9	1.4	2243.3	1389.2	3.3	1.4	18
19	2217.7	6433	3.6	0.2	2235.0	1097.7	5.2	3.7	2238.9	1226.8	4.8	1.4	2243.6	1400.9	7.3	1.4	19
20	2218.0	6499	3.5	0.2	2235.1	1100.9	5.3	3.7	2239.2	1237.4	6.8	1.4	2243.8	1408.6	5.3	1.4	20
21	2218.3	6567	3.6	0.2	2235.2	1104.0	4.4	2.8	2239.5	1248.1	6.8	1.4	2244.0	1416.4	5.3	1.4	21
22	2218.6	6634	3.6	0.2	2235.4	1110.3	4.6	1.4	2239.8	1258.8	6.8	1.4	2244.0	1416.4	3.0	3.4	22
23	2223.9	7894	63.7	0.2	2235.6	1116.7	4.6	1.4	2240.0	1265.9	5.0	1.4	2244.1	1420.4	3.0	1.4	23
24	2226.0	8427	27.1	0.2	2235.8	1123.0	4.6	1.4	2240.1	1269.5	4.2	1.4	2244.3	1428.3	3.0	1.4	24
25	2227.1	8715	14.7	0.2	2236.0	1129.3	4.6	1.4	2240.3	1276.8	4.1	1.4	2244.4	1432.2	3.0	1.4	25
26	2228.0	8955	12.3	0.2	2236.1	1132.6	3.0	1.4	2240.4	1280.5	2.9	1.4	2244.4	1432.2	3.0	1.4	26
27	2228.6	9008	2.9	0.2	2236.3	1139.1	4.7	1.4	2240.5	1284.2	2.9	1.4	2244.5	1436.2	3.0	1.4	27
28	2229.5	9364	18.1	0.2	2236.4	1142.4	3.1	1.4	2240.6	1287.8	2.9	1.4	2244.6	1440.2	3.0	1.4	28
29					2236.5	1145.6	3.0	1.4	2240.6	1287.8	2.8	1.4	2244.6	1440.2	3.0	1.4	29
30					2236.7	1152.2	4.7	1.4	2240.7	1291.4	2.8	1.4	2244.7	1444.1	3.0	1.4	30
31					2236.8	1155.5	3.1	1.4					2244.7	1444.1	3.0	1.4	31
TOTAL			233.3	5.6			205.2	95.7			110.5	42.0			121.7	44.7	
Inf. Ac. Ft.			462.7				409.0				219.2				241.4	182.6	
Outf. Ac. Ft.				11.1				189.8				83.3			88.7	40.3	
Maximum Mean Daily Inflow			63.7				20.0				6.8				10.7	10.3	
Minimum Mean Daily Inflow			2.8				3.0				2.8				2.0	0.4	
Storage Change	+451.7				+219.1				+135.9				+152.7			+142.2	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	2244.7	feet on	6/1/57	Storage	1444.	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	2159.0	feet on	10/1/56	Storage	19.9	Acre Feet	D.J. ROBERTSON	Dam Tender	Gage Hts. copied	JHL FES
Max. Peak Inf.	283.	C.F.S. from	6:00 A.M. on	1/13/57	to 8:00 A.M. on	1/13/57	J.R. HYDE	Hydrographer	Storage applied	JHL FES
Max. Peak Outf.	22.	C.F.S. from	11:10 A.M. on	5/22/57	to 11:40 A.M. on	5/22/57		Hydrographer	Inf. & Outf. comp.	JHL FES

REMARKS (INDICATES AVERAGE FOR PERIOD

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Daily Gage Height in feet and Operation Record of BIG TUJUNGA Dam

In Big Tujunga Canyon for the Year Ending September 30, 1957

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Drainage Area 82.3 Square Miles. Capacity of Reservoir 4099.2 Ac. Ft. at Spillway Elev. 2290 Ft. as of October 1953 Survey

Continuous Water Stage Recorder AU

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	2244.6	14402	1.5	3.6	2238.1	11992	0.5	5.3	2228.3	9036	0.2	4.6	2217.2	6322	*0.3	4.9	1
2	2244.4	14322	1.4	5.7	2237.8	11890	0.5	5.3	2228.0	8955	0.2	4.6	2216.8	6235	0.3	4.9	2
3	2244.2	14243	1.4	5.4	2237.5	11788	0.5	5.3	2227.7	8875	0.2	4.6	2216.4	6149	0.3	4.9	3
4	2244.0	14164	1.4	4.7	2237.2	11687	0.5	5.3	2227.4	8795	0.2	4.6	2215.9	6042	0.4	4.9	4
5	2243.8	14086	1.4	4.7	2236.9	11587	0.5	5.3	2227.0	8588	0.2	4.6	2215.5	5958	0.4	4.9	5
6	2243.7	14048	1.4	4.7	2236.7	11522	0.5	5.3	2226.7	8510	0.2	4.6	2215.1	5875	0.5	4.9	6
7	2243.5	13970	1.4	4.7	2235.3	11391	0.5	5.3	2226.4	8531	0.2	4.6	2214.6	5774	0.5	4.9	7
8	2243.3	13892	1.4	4.7	2236.0	11293	0.5	5.3	2226.0	8427	0.2	4.6	2214.2	5695	0.5	4.9	8
9	2243.1	13815	1.4	4.7	2235.7	11198	0.5	5.3	2225.7	8350	0.2	4.6	2213.8	5617	0.5	4.9	9
10	2243.0	13776	1.4	4.7	2235.4	11103	0.5	5.3	2225.4	8273	0.2	4.6	2213.3	5523	0.5	4.9	10
11	2242.8	13700	1.3	4.7	2235.1	11009	0.5	5.3	2225.0	8171	0.2	4.6	2212.8	5430	1.1	5.5	11
12	2242.7	13662	1.3	4.7	2234.8	10915	0.4	5.2	2224.7	8095	0.2	4.6	2212.1	5305	1.1	7.2	12
13	2242.4	13548	1.2	4.7	2234.5	10823	0.4	5.2	2224.3	7995	0.2	4.6	2211.4	5186	1.1	7.2	13
14	2242.2	13472	1.2	4.7	2234.2	10731	0.4	5.2	2224.0	7919	0.2	4.6	2210.8	5086	1.1	7.2	14
15	2242.1	13434	1.2	4.7	2233.9	10639	0.4	5.2	2223.7	7845	0.2	4.6	2210.1	4972	1.2	7.0	15
16	2242.0	13396	0.9	4.7	2233.6	10549	0.4	5.2	2223.3	7745	0.2	4.5	2209.3	4847	1.2	7.0	16
17	2241.7	13284	0.8	4.7	2233.3	10458	0.3	5.1	2223.0	7671	0.1	4.5	2208.6	4739	1.2	6.8	17
18	2241.5	13210	0.7	5.1	2232.9	10339	0.3	5.1	2222.7	7598	0.1	4.4	2207.8	4618	1.1	6.7	18
19	2241.2	13098	0.6	5.3	2232.6	10250	0.3	5.1	2222.3	7501	0.1	4.4	2207.1	4514	1.1	6.7	19
20	2241.0	13024	0.6	5.3	2232.3	10162	0.3	5.1	2222.0	7428	0.1	4.4	2206.3	4398	1.1	6.7	20
21	2240.7	12914	0.6	5.3	2232.0	10074	0.3	5.0	2221.6	7332	0.1	4.4	2205.5	4282	1.0	6.7	21
22	2240.5	12842	0.6	5.3	2231.6	9958	0.3	5.0	2221.3	7261	0.1	4.4	2204.7	4168	1.0	6.7	22
23	2240.2	12732	0.6	5.3	2231.3	9872	0.3	5.0	2220.9	7166	0.1	4.3	2203.9	4055	1.0	6.7	23
24	2240.0	12659	0.6	5.3	2231.0	9785	0.3	5.0	2220.5	7072	0.1	4.3	2203.1	3943	1.0	6.7	24
25	2239.7	12552	0.6	5.3	2230.7	9700	0.3	4.9	2220.1	6976	0.1	4.3	2202.3	3832	1.0	6.7	25
26	2239.5	12481	0.6	5.3	2230.4	9616	0.3	4.9	2219.7	6886	0.1	4.3	2201.5	3722	0.8	6.5	26
27	2239.2	12374	0.6	5.3	2230.0	9503	0.3	4.9	2219.3	6794	0.1	5.5	2200.6	3599	0.8	6.5	27
28	2238.9	12268	0.5	5.3	2229.7	9420	0.2	4.9	2218.9	6702	0.1	4.9	2199.8	3490	0.8	6.5	28
29	2238.6	12165	0.5	5.3	2229.4	9337	0.2	4.9	2218.5	6612	0.1	4.9	2198.9	3370	0.7	6.5	29
30	2238.3	12068	0.5	5.3	2229.0	9226	0.2	4.9	2218.0	6499	0.1	4.9	2198.1	3264	0.7	6.5	30
31					2228.7	9145	0.2	4.9	2217.6	6411	0.1	4.9					31
TOTAL			29.6	149.2			11.6	159.0			4.7	142.5			24.3	183.0	
Inf. Ac. Ft.			58.7				230				9.3				48.2	196.8	
Outf. Ac. Ft.				295.9				315.4				282.6			36.3	166.3	
Maximum Mean Daily Inflow			5.3				0.5				0.2				1.2	10.7	
Minimum Mean Daily Inflow			3.6				0.2				0.1				0.3	0.1	
Storage Change	-237.3				-292.3				-27.4				-31.4.7			+30.5	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	2244.7	feet on	6-1-57	Storage	1444.	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	2159.0	feet on	10-1-56	Storage	19.9	Acre Feet	D.J. ROBERTSON	Dam Tender	Gage Hts. copied	
Max. Peak Inf.	283.	C.F.S. from	6:00 A.M. on	1-13-57	to 8:00 A.M. on	1-13-57	J.R. HYDE	Hydrographer	Storage applied	
Max. Peak Outf.	22.	C.F.S. from	11:10 A.M. on	5-22-57	to 11:40 A.M. on	5-22-57		Hydrographer	Inf. & Outf. comp.	

REMARKS (INDICATES AVERAGE FOR PERIOD.

* INCREASE DUE TO BANK STORAGE

76D138N-68B Gb 7-55

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 56

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 55 Survey 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	1013.2	494	10.8	0	1011.8	367	0	0	1
2			0	0				0	1013.0	472	0	0	1011.7	359	0	0	2
3			0	0				0	1012.9	463	0	0	1011.7	359	0	0	3
4			0	0				0	1013.6	537	4.7	0	1011.6	352	0	0	4
5			0	0				0	1013.5	526	0.5	0	1011.5	344	0	0	5
6			0	0				0	1013.3	504	0	0	1011.4	336	0	0	6
7			0	0				0	1013.2	494	0	0	1011.3	329	0	0	7
8			0	0				0	1013.1	483	0	0	1011.2	321	0	0	8
9			0	0				0	1013.0	472	0	0	1011.1	314	0	0	9
10			0	0				0	1012.9	463	0	0	1011.0	306	0	0	10
11			0	0				0	1012.8	454	0	0	1011.0	306	0	0	11
12			0	0				0	1012.8	454	0	0	1010.9	300	0	0	12
13			0	0				0	1012.7	445	0	0	1010.8	294	0	0	13
14			0	0	1010.5	275	15.7	0	1012.6	436	0	0	1010.8	294	0	0	14
15			0	0	1010.2	256	0	0	1012.5	427	0	0	1010.7	287	0	0	15
16			0	0	1010.3	263	1.4	0	1012.4	418	0	0	1010.6	281	0	0	16
17			0	0	1010.3	263	0.7	0	1012.3	409	0	0	1010.5	275	0	0	17
18			0	0	1010.2	256	0	0	1012.2	400	0	0	1010.5	275	0	0	18
19			0	0	1010.1	250	0	0	1012.1	391	0	0	1010.4	269	0	0	19
20			0	0	1010.0	244	0	0	1012.1	391	0	0	1010.3	263	0	0	20
21			0	0	1012.0	382	8.0	0	1012.0	382	0	0	1010.2	256	0	0	21
22			0	0	1011.8	367	0	0	1011.9	374	0	0	1010.0	244	0	0	22
23			0	0	1011.6	352	0	0	1011.9	374	0.5	0	1010.0	244	0.4	0	23
24			0	0	1011.5	344	0	0	1012.5	427	3.3	0	1009.9	239	0	0	24
25			0	0	1011.4	336	0	0	1012.5	427	0.6	0	1017.8	121.1	51.5	0	25
26			0	0	1011.3	329	0	0	1012.5	427	0.6	0	1036.6	953.2	590.6	162.6	26
27			0	0	1011.2	321	0	0	1012.4	418	0	0	1031.2	617.1	165.7	326.9	27
28			0	0	1011.1	314	0	0	1012.3	409	0	0	1030.4	575.3	104.2	118.5	28
29			0	0	1011.0	306	0	0	1012.2	400	0	0	1030.2	565.0	1.8	0.5	29
30			0	0	1010.9	300	0	0	1012.0	382	0	0	1030.2	565.0	5.5	0.5	30
31			0	0					1011.9	374	0	0	1030.1	559.8	2.9	0.5	31
TOTAL			0	0			25.8	0			21.0	0			922.6	609.5	
Inf. Ac. Ft.			0				51.2				41.7				1830.0	1922.9	
Outf. Ac. Ft.				0			0 + (21.2)				0 + (34.3)			1208.9	+ (98.6)	1208.8 + (154.1)	
Maximum Mean Daily Inflow			0				15.7				10.8				590.6		
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		0					+300				+7.4				+522.4	+559.8	

NO STORAGE

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1037.0	feet	on	1/26/56	Storage	982.	Acre Feet		RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.		feet	on	OCTOBER	Storage	0	Acre Feet		K. M. YORK	Dam Tender	Gage Hts. copied	JHL HRW	
Max. Peak Inf.	1420.	C.F.S. from	1:15 P.M.	on	1/26/56	to	2:00 P.M.	on 1/26/56	F.E. STUNDEN	Hydrographer	Storage applied	JHL HRW	
Max. Peak Outf.	402.	C.F.S. from	8:00 A.M.	on	1/27/56	to	9:00 A.M.	on 1/27/56		Hydrographer	Inf. & Outf. comp.	JHL HRW	

REMARKS () INDICATES PERCOLATION AND EVAPORATION LOSSES

76D138N-68B Gb 7-55

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 56

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 55 Survey 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	1030.0	554.7	0	0.5	1027.2	424.8	0	0.4	1023.4	278.6	2.4	0.3	1024.6	321.2	0	0.3	1
2	1029.8	544.9	0	0.5	1027.1	420.5	0	0.4	1023.3	275.1	0	0.3	1024.5	317.6	0	0.3	2
3	1029.7	540.1	0	0.5	1027.0	416.1	0	0.4	1023.2	271.7	0	0.3	1024.3	310.2	0	0.3	3
4	1029.5	530.3	0	0.5	1026.8	407.9	0	0.4	1023.1	268.2	0	0.3	1024.2	306.5	0	0.3	4
5	1029.3	520.5	0	0.5	1026.7	403.7	0	0.4	1023.0	264.8	0	0.3	1024.1	302.9	0	0.3	5
6	1029.1	510.8	0	0.5	1026.6	399.6	0	0.4	1022.9	261.6	0	0.3	1023.9	295.8	0	0.3	6
7	1029.0	505.9	0	0.5	1026.4	391.4	0	0.4	1022.7	255.1	0	0.3	1023.8	292.3	0	0.2	7
8	1028.9	501.3	0	0.5	1026.3	387.3	0	0.4	1022.6	251.9	0	0.3	1023.7	288.9	0	0.2	8
9	1028.7	492.0	0	0.5	1026.2	383.1	0	0.4	1022.5	248.7	0	0.3	1025.3	347.6	34.7	0.2	9
10	1028.6	487.4	0	0.5	1026.1	379.0	0	0.4	1022.4	245.5	0	0.3	1025.1	339.8	0	0.2	10
11	1028.4	478.2	0	0.5	1025.9	371.0	0	0.4	1022.7	255.1	7.4	0.3	1025.0	335.9	0	0.2	11
12	1028.3	473.6	0	0.5	1025.8	367.1	0	0.4	1025.9	371.0	62.2	0.3	1024.8	328.6	0	0.2	12
13	1028.3	468.9	0	0.5	1025.7	363.2	0	0.4	1026.2	383.1	8.8	0.3	1024.7	324.9	0	0.2	13
14	1028.0	459.7	0	0.5	1025.6	359.3	0	0.4	1026.1	379.0	0	0.3	1024.6	321.2	0	0.2	14
15	1027.9	455.3	0	0.5	1025.4	351.5	0	0.4	1026.0	374.9	0	0.3	1024.4	313.9	0	0.2	15
16	1027.8	451.0	0	0.5	1025.3	347.6	0	0.4	1025.9	371.0	0	0.3	1024.3	310.2	0	0.2	16
17	1027.6	442.3	0	0.5	1025.1	339.8	0	0.4	1025.7	363.2	0	0.3	1024.2	306.5	0	0.2	17
18	1027.5	437.9	0	0.5	1025.0	335.9	0	0.4	1025.6	359.3	0	0.3	1024.0	299.2	0	0.2	18
19	1027.4	433.5	0	0.5	1024.9	332.2	0	0.4	1025.4	351.5	0	0.3	1023.9	295.8	0	0.2	19
20	1027.3	429.2	0	0.5	1024.8	328.6	0	0.4	1025.3	347.6	0	0.3	1023.8	292.3	0	0.2	20
21	1027.1	420.5	0	0.5	1024.7	324.9	0	0.3	1025.2	343.7	0	0.3	1023.6	285.4	0	0.2	21
22	1027.0	416.1	0	0.5	1024.5	317.6	0	0.3	1025.0	335.9	0	0.3	1023.5	282.0	0	0.2	22
23	1026.1	464.3	26.5	0.5	1024.4	313.9	0	0.3	1024.9	332.2	0	0.3	1023.3	275.1	0	0.2	23
24	1028.0	459.7	0	0.5	1024.3	310.2	0	0.3	1024.8	328.6	0	0.3	1023.2	271.7	0	0.2	24
25	1027.9	455.3	0	0.5	1024.1	302.9	0	0.3	1024.7	324.9	0	0.3	1023.1	268.2	0	0.2	25
26	1027.7	446.6	0	0.5	1024.0	299.2	0	0.3	1025.2	343.7	12.4	0.3	1023.0	264.8	0	0.2	26
27	1027.6	442.3	0	0.5	1023.9	295.8	0	0.3	1025.1	339.8	0	0.3	1022.8	258.4	0	0.2	27
28	1027.5	437.9	0	0.5	1023.8	292.3	0	0.3	1025.0	335.9	0	0.3	1022.7	255.1	0	0.2	28
29	1027.3	429.2	0	0.5	1023.6	285.4	0	0.3	1024.9	332.2	0	0.3	1022.6	251.9	0	0.2	29
30					1023.5	282.0	0	0.3	1024.7	324.9	0	0.3	1022.5	248.7	0	0.2	30
31					1023.4	278.6	0	0.3					1022.3	242.3	0	0.2	31
TOTAL			26.5	14.5			0	11.3			93.2	9.0			34.7	6.8	
Inf. Ac. Ft.			52.6				0				184.9				68.8	2229.2	
Outf. Ac. Ft.			28.8 + (154.4)				22.4 + (128.2)				179 + (120.8)			135 + (137.9)		1291.5 + (695.4)	
Maximum Mean Daily Inflow			26.5				0				62.2				34.7	590.6	
Minimum Mean Daily Inflow			0				0				0					0	
Storage Change		-130.6					-150.6				+46.3				-82.6	+242.3	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1037.0	feet	on	1/26/56	Storage	982.	Acre Feet		RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.		feet	on	OCTOBER	Storage	0	Acre Feet		K.M. YORK	Dam Tender	Gage Hts. copied	JHL HRW	
Max. Peak Inf.	1420	C.F.S. from	1:15 P.M.	on	1/26/56	to	2:00 P.M.	on 1/26/56	F.E. STUNDEN	Hydrographer	Storage applied	JHL HRW	
Max. Peak Outf.	402	C.F.S. from	8:00 A.M.	on	1/27/56	to	9:00 A.M.	on 1/27/56		Hydrographer	Inf. & Outf. comp.	JHL HRW	

REMARKS () INDICATES PERCOLATION AND EVAPORATION LOSSES

76D138N-68B Gb 7-55

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, 1956

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 Survey 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	1022.2	239.0	0	0.2	1018.7	141.6	0	0.2	1015.7	61.7	0	0	1010.2	25.6	0	0.4	1
2	1022.1	235.8	0	0.2	1018.6	139.3	0	0.2	1015.6	60.1	0	0	1010.0	24.4	0	0.4	2
3	1022.0	232.6	0	0.2	1018.5	137.0	0	0.2	1015.5	58.6	0	0	1009.6	22.4	0	0.4	3
4	1021.8	226.6	0	0.2	1018.4	134.6	0	0.2	1015.4	57.1	0	0	1009.3	20.9	0	0.4	4
5	1021.7	223.5	0	0.2	1018.3	132.3	0	0.2	1015.3	55.5	0	0	1008.9	19.0	0	0.4	5
6	1021.6	220.5	0	0.2	1018.2	130.0	0	0.2	1015.2	54.0	0	0	1008.5	17.3	0	0.3	6
7	1021.4	214.5	0	0.2	1018.0	125.3	0	0.2	1015.1	52.4	0	0	1008.1	15.6	0	0.3	7
8	1021.3	211.5	0	0.2	1017.9	123.2	0	0.2	1015.0	50.9	0	0	1007.7	14.2	0	0.3	8
9	1021.2	208.4	0	0.2	1017.8	121.1	0	0.2	1014.9	49.3	0	0	1007.3	12.8	0	0.3	9
10	1021.1	205.4	0	0.2	1017.7	119.1	0	0.2	1014.8	48.3	0	0.3	1006.7	11.0	0	0.3	10
11	1021.0	202.4	0	0.2	1017.6	117.0	0	0.2	1014.6	45.7	0	0.4	1006.0	9.1	0	0.3	11
12	1020.8	196.8	0	0.2	1017.5	114.9	0	0.2	1014.5	44.4	0	0.4	1005.2	7.4	0	0.3	12
13	1020.7	194.0	0	0.2	1017.4	112.8	0	0.2	1014.4	43.2	0	0.4	1004.4	5.9	0	0.3	13
14	1020.5	188.4	0	0.2	1017.3	110.7	0	0.2	1014.2	40.6	0	0.4	1003.1	3.9	0	0.3	14
15	1020.4	185.6	0	0.2	1017.2	108.6	0	0.2	1014.1	39.3	0	0.4	1001.8	2.4	0	0.3	15
16	1020.3	182.8	0	0.2	1017.1	106.6	0	0.1	1013.9	36.9	0	0.4	1000.8	1.7	0	0.3	16
17	1020.2	180.0	0	0.2	1017.0	104.5	0	0	1013.7	34.8	0	0.4	999.8	1.3	0	0.2	17
18	1020.1	177.2	0	0.2	1016.9	102.7	0	0	1013.5	32.6	0	0.4	998.9	1.0	0	0.2	18
19	1020.0	174.4	0	0.2	1016.8	100.9	0	0	1013.3	30.4	0	0.4	997.9	0.7	0	0.1	19
20	1019.9	171.8	0	0.2	1016.7	99.0	0	0	1013.1	28.3	0	0.4	997.2	0.5	0	0.1	20
21	1019.8	169.2	0	0.2	1016.6	97.2	0	0	1012.9	26.3	0	0.4	996.6	0.4	0	0.1	21
22	1019.7	166.7	0	0.2	1016.5	95.4	0	0	1012.7	24.5	0	0.4	995.9	0.3	0	0.1	22
23	1019.6	164.1	0	0.2	1016.5	95.4	0	0	1012.4	21.8	0	0.4	995.6	0.2	0	0.1	23
24	1019.4	158.9	0	0.2	1016.4	93.6	0	0	1012.2	20.0	0	0.4	995.3	0.2	0	0	24
25	1019.3	156.3	0	0.2	1016.3	91.7	0	0	1011.9	17.4	0	0.4	995.3	0.2	0	0	25
26	1019.2	153.8	0	0.2	1016.2	89.9	0	0	1011.7	15.9	0	0.4	991.3	0	0	0.1	26
27	1019.1	151.2	0	0.2	1016.1	88.1	0	0	1011.5	14.4	0	0.4		0	0	0	27
28	1019.0	148.6	0	0.2	1016.0	86.3	0	0	1011.2	12.1	0	0.4		0	0	0	28
29	1018.9	146.3	0	0.2	1015.9	84.8	0	0	1011.0	10.6	0	0.4		0	0	0	29
30	1018.8	143.9	0	0.2	1015.8	83.2	0	0	1010.7	8.7	0	0.4		0	0	0	30
31					1015.7	81.7	0	0	1010.4	6.9	0	0.4					31
TOTAL			0	6.0			0	3.1			0	8.7			0	6.3	
Inf. Ac. Ft.			0				0				0				0	2229.2	
Outf. Ac. Ft.			119+ (86.5)				61+ (56.1)				173+ (37.5)				125+ (14.4)	(339.3 + (889.9)	
Maximum Mean Daily Inflow			0				0				0				0	590.6	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		-98.4				-62.2				-54.8				-26.9		0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1037.0	feet	on	1/26/56	Storage	982	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS ckd. Date
Min. W. S. Elev.		feet	on	OCTOBER	Storage	0	Acre Feet	K.M. YORK	Dam Tender	Gage Hts. copied JHL HRW
Max. Peak Inf.	1420.	C.F.S. from	1:15 P.M.	on	1/26/56	to	2:00 P.M.	on	1/26/56	F.E. STUNDEN Hydrographer	Storage applied JHL HRW
Max. Peak Outf.	402.	C.F.S. from	8:00 A.M.	on	1/27/56	to	9:00 A.M.	on	1/27/56	Hydrographer	Inf. & Outf. comp. JHL HRW

REMARKS ( ) INDICATES PERCOLATION AND EVAPORATION LOSSES
[INDICATES AVERAGE FOR PERIOD

76D138N-68B Gb 7-55

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, 1957

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 1955 Survey 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	986±	0	0	0	1003.9	5.0	0	0	999.0	1.0	0	0	1004.8	6.6	0	0	1
2	986±	0	0	0	1003.7	4.7	0	0	998.9	1.0	0	0	1004.7	6.4	0	0	2
3	986±	0	0	0	1003.5	4.4	0	0	998.7	0.9	0	0	1004.6	6.2	0	0	3
4	1007.7	14.2	13.7	5.5	1003.2	4.0	0	0	998.6	0.9	0	0	1004.8	6.6	0.3	0	4
5	1007.5	13.5	0.4	0	1003.0	3.7	0	0	1008.3	16.5	9.1	0	1010.1	25.0	11.1	0	5
6	1007.2	12.5	0	0	1002.8	3.5	0	0	1008.1	15.6	0.2	0	1009.9	23.9	0.1	0	6
7	1007.0	11.8	0	0	1002.7	3.4	0	0	1007.9	14.9	0	0	1009.9	23.9	0.5	0	7
8	1006.9	11.5	0	0	1002.5	3.2	0	0	1007.7	14.2	0	0	1009.9	23.9	0.5	0	8
9	1006.7	11.0	0	0	1002.3	3.0	0	0	1007.5	13.5	0	0	1009.8	23.4	0.2	0	9
10	1006.6	10.7	0	0	1002.1	2.7	0	0	1007.4	13.2	0	0	1010.7	28.7	3.7	0	10
11	1006.1	9.4	0	0.3	1001.9	2.5	0	0	1007.3	12.8	0	0	1010.6	28.1	0.3	0	11
12	1005.5	8.0	0	0.4	1001.7	2.4	0	0	1007.2	12.5	0	0	1017.0	104.5	40.8	0.1	12
13	1005.0	6.9	0	0.4	1001.6	2.3	0	0	1007.0	11.8	0	0	1021.9	229.6	68.7	0.2	13
14	1004.4	5.9	0	0.4	1001.4	2.1	0	0	1006.9	11.5	0	0	1021.7	223.5	0.2	0.3	14
15	1003.8	4.9	0	0.4	1001.2	2.0	0	0	1006.8	11.2	0	0	1021.5	217.5	0.2	0.3	15
16	998.3	0.8	0	2.1	1001.0	1.8	0	0	1006.7	11.0	0	0	1021.2	208.4	0.8	0.3	16
17	986	0	0	0.4	1000.9	1.8	0	0	1006.6	10.7	0	0	1021.1	205.4	0.8	0.3	17
18	986	0	0	0	1000.8	1.7	0	0	1006.4	10.2	0	0	1021.0	202.4	0.8	0.3	18
19	989.5	SMALL	0	0	1000.6	1.6	0	0	1006.3	9.9	0	0	1020.9	199.6	0.8	0.3	19
20	990.6	POOL	0	0	1000.4	1.5	0	0	1006.2	9.6	0	0	1021.0	202.4	4.4	0.3	20
21	991.2		0	0	1000.3	1.5	0	0	1006.1	9.4	0	0	1020.9	199.6	2.4	0.3	21
22	991.5		0	0	1000.2	1.4	0	0	1006.0	9.1	0	0	1020.8	196.8	2.5	0.3	22
23	991.6		0	0	1000.0	1.3	0	0	1005.8	8.6	0	0	1020.8	196.8	2.4	0.3	23
24	991.7		0	0	999.9	1.3	0	0	1005.7	8.4	0	0	1020.8	196.8	2.4	0.3	24
25	991.8		0	0	999.8	1.3	0	0	1005.6	8.2	0	0	1020.8	196.8	2.4	0.3	25
26	991.9		0	0	999.7	1.2	0	0	1005.5	8.0	0	0	1021.3	211.5	10.7	0.3	26
27	992.0		0	0	999.5	1.2	0	0	1005.4	7.8	0	0	1021.5	217.5	6.2	0.3	27
28	1005.0	6.9	4.3	0	999.4	1.1	0	0	1005.3	7.6	0	0	1021.5	217.5	3.2	0.3	28
29	1004.6	6.7	0	0	999.3	1.1	0	0	1005.2	7.4	0	0	1021.8	226.6	7.8	0.3	29
30	1004.3	5.7	0	0	999.1	1.0	0	0	1005.0	6.9	0	0	1021.7	223.5	1.7	0.3	30
31	1004.1	5.3	0	0					1004.9	6.7	0	0	1021.6	220.5	1.8	0.3	31
TOTAL			18.4	9.9			0	0			9.3	0			177.7	5.7	
Inf. Ac. Ft.			36.5				0				18.4				352.3		407.4
Outf. Ac. Ft.			196+ (11.5)				0 + (4.3)				0 + (12.7)				113+ (127.4)	30.9 + (155.9)	
Maximum Mean Daily Inflow			8.2				0				9.1				68.7		68.7
Minimum Mean Daily Inflow			0				0				0				0		0
Storage Change		+53				-43				+57				+213.8			+220.5

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1027.0	feet	on	2/28/57	Storage	416.1	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS ckd. Date
Min. W. S. Elev.	DRY	feet	on	OCT. AND SEPT.	Storage	0	Acre Feet	K.M. YORK	Dam Tender	Gage Hts. copied JHL FES
Max. Peak Inf.	795.	C.F.S. from	5:00 A.M.	on	2/23/57	to	6:00 A.M.	on	2/23/57	J. HOLLERON Hydrographer	Storage applied JHL FES
Max. Peak Outf.	124.	C.F.S. from	8:25 A.M.	on	10-4-56	to	9:00 A.M.	on	10/4/56	Hydrographer	Inf. & Outf. comp. JHL FES

REMARKS [INDICATES AVERAGE FOR PERIOD
( ) INDICATES PERCOLATION LOSSES

76D138N-68B Gb 7-55

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 57

Drainage Area 31.8 Square Miles. Capacity of Reservoir 2709.1 Ac. Ft. at Spillway Elev. 1054. Ft. as of September 1955 Survey

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	1021.5	217.5	0	0.3	1026.9	412.0	0	0.2	1024.2	306.5	0	0.3	1022.9	261.6	0	0.3	1
2	1021.4	214.5	0	0.3	1026.8	407.9	0	0.2	1024.1	302.9	0	0.3	1022.7	255.1	0	0.3	2
3	1021.3	211.5	0	0.2	1026.7	403.7	0	0.2	1024.0	299.2	0	0.3	1022.6	251.9	0	0.3	3
4	1021.2	208.4	0	0.2	1026.6	399.6	0	0.2	1023.9	295.8	0	0.3	1022.5	248.7	0	0.3	4
5	1021.1	205.4	0	0.2	1026.4	391.4	0	0.2	1023.7	288.9	0	0.3	1022.4	245.5	0	0.3	5
6	1021.0	202.4	0	0.2	1026.3	387.3	0	0.2	1023.6	285.4	0	0.3	1022.3	242.3	0	0.3	6
7	1020.9	199.6	0	0.2	1026.2	383.1	0	0.2	1023.5	282.0	0	0.3	1022.2	239.0	0	0.3	7
8	1020.8	196.8	0	0.2	1026.1	379.0	0	0.2	1023.4	278.6	0	0.3	1022.1	235.8	0	0.3	8
9	1020.7	194.0	0	0.2	1026.3	387.3	6.4	0.2	1023.3	275.1	0	0.3	1021.9	229.6	0	0.3	9
10	1020.6	191.2	0	0.2	1026.1	379.0	0	0.2	1023.2	271.7	0	0.3	1021.8	226.6	0	0.3	10
11	1020.5	188.4	0	0.2	1026.0	374.9	0	0.3	1023.1	268.2	0	0.3	1022.8	258.4	19.4	0.3	11
12	1020.4	185.6	0	0.2	1025.9	371.0	0	0.3	1023.0	264.8	0	0.3	1022.7	255.1	1.6	0.3	12
13	1020.3	182.8	0	0.2	1025.8	367.1	0	0.3	1022.9	261.6	0	0.3	1022.6	251.9	0	0.3	13
14	1020.2	180.0	0	0.2	1025.7	363.2	0	0.3	1022.8	258.4	0	0.3	1022.5	248.7	0	0.3	14
15	1020.1	177.2	0	0.2	1025.5	355.4	0	0.3	1022.6	251.9	0	0.3	1022.4	245.5	0	0.3	15
16	1020.0	174.4	0	0.2	1026.1	379.0	14.7	0.3	1022.5	248.7	0	0.3	1022.3	242.3	0	0.3	16
17	1019.9	171.8	0	0.2	1026.0	374.9	0	0.3	1022.8	258.4	8.2	0.3	1022.2	239.0	0	0.3	17
18	1019.8	169.2	0	0.2	1025.9	371.0	0	0.2	1023.2	271.7	10.0	0.3	1022.2	239.0	3.3	0.3	18
19	1019.8	169.2	0	0.2	1025.8	367.1	0	0.2	1023.1	268.2	0	0.3	1023.4	278.6	23.3	0.3	19
20	1019.7	166.7	0	0.2	1025.7	363.2	0	0.2	1024.1	302.9	21.0	0.3	1023.5	282.0	5.0	0.3	20
21	1019.6	164.1	0	0.2	1025.6	359.3	0	0.2	1024.0	299.2	0	0.3	1023.6	285.4	5.0	0.3	21
22	1019.5	161.5	0	0.2	1025.5	355.4	0	0.2	1023.9	295.8	0	0.3	1023.5	282.0	0	0.3	22
23	1025.9	371.0	110.8	0.2	1025.3	347.6	0	0.2	1023.8	292.3	0	0.3	1023.3	275.1	0	0.3	23
24	1025.8	367.1	0	0.2	1025.2	343.7	0	0.2	1023.7	288.9	0	0.3	1023.2	271.7	0	0.3	24
25	1025.7	363.2	0	0.2	1025.0	335.9	0	0.2	1023.6	285.4	0	0.3	1023.1	268.2	0	0.3	25
26	1025.6	359.3	0	0.2	1024.9	332.2	0	0.2	1023.5	282.0	0	0.3	1023.0	264.8	0	0.3	26
27	1025.4	351.5	0	0.2	1024.8	328.6	0	0.2	1023.3	275.1	0	0.3	1022.8	258.4	0	0.2	27
28	1026.8	407.9	32.7	0.2	1024.7	324.9	0	0.2	1023.2	271.7	0	0.3	1022.7	255.1	0	0.2	28
29					1024.6	321.2	0	0.2	1023.1	268.2	0	0.3	1022.6	251.9	0	0.2	29
30					1024.5	317.6	0	0.2	1023.0	264.8	0	0.3	1022.5	248.7	0	0.2	30
31					1024.4	313.9	0	0.2					1022.4	245.5	0	0.2	31
TOTAL			143.5	5.8			21.1	6.9			39.2	9.0			56.6	8.8	
Inf. Ac. Ft.			284.6				41.9				77.8				114.0		925.7
Outf. Ac. Ft.			115+(85.7)				137+(122)				179+(109.0)			175+(115.8)			91.5+(588.6)
Maximum Mean Daily Inflow			110.8				14.7				21.0				23.3		110.8
Minimum Mean Daily Inflow			0				0				0				0		0
Storage Change		+187.4				-940				-491				-193		+245.5	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1027.0	feet	on	2/28/57	Storage	416.1	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS ckd. Date
Min. W. S. Elev.	DRY	feet	on	OCT. AND SEPT.	Storage	0	Acre Feet	K.M. YORK	Dam Tender	Gage Hts. copied JHL FES
Max. Peak Inf.	795.	C.F.S. from	5:00 A.M.	on 2/23/57	to	6:00 A.M.	on 2/23/57	J. HOLLERON	Hydrographer	Storage applied JHL FES
Max. Peak Outf.	124.	C.F.S. from	8:25 A.M.	on 10/4/56	to	9:00 A.M.	on 10/4/56		Hydrographer	Inf. & Outf. comp. JHL FES

REMARKS [INDICATES AVERAGE FOR PERIOD
( ) INDICATES PERCOLATION LOSSES

76D138N-68B Gb 7-55

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 57

Drainage Area 31.8 Square Miles. Capacity of Reservoir 2709.1 Ac. Ft. at Spillway Elev. 1054. Ft. as of September 19 55

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	1022.3	242.3	0	0.2	1019.2	153.8	0	0	1016.5	95.4	0	0	1013.2	49.4	0	0.8	1
2	1022.2	239.0	0	0.2	1019.1	151.2	0	0	1016.5	95.4	0	0	1013.0	47.2	0	0.8	2
3	1022.0	232.6	0	0.2	1019.0	148.6	0	0	1016.4	93.6	0	0	1012.8	45.4	0	0.9	3
4	1021.9	229.6	0	0.2	1018.9	146.3	0	0	1016.3	91.7	0	0	1012.6	43.6	0	0.9	4
5	1021.8	226.6	0	0.2	1018.8	143.9	0	0	1016.2	89.9	0	0	1012.3	40.9	0	0.9	5
6	1021.7	223.5	0	0.2	1018.7	141.6	0	0	1016.1	88.1	0	0	1012.0	38.2	0	0.9	6
7	1021.6	220.5	0	0.2	1018.7	141.6	0	0	1016.1	88.1	0	0	1011.7	35.9	0	0.9	7
8	1021.5	217.5	0	0.2	1018.6	139.3	0	0	1016.0	86.3	0	0	1011.4	33.6	0	0.9	8
9	1021.4	214.5	0	0.2	1018.5	137.0	0	0	1015.9	84.8	0	0	1011.1	31.4	0	0.8	9
10	1021.3	211.5	0	0.2	1018.4	134.6	0	0	1015.8	83.2	0	0	1010.8	29.4	0	0.8	10
11	1021.2	208.4	0	0.2	1018.3	132.3	0	0	1015.8	83.2	0	0	1010.4	26.9	0	0.8	11
12	1021.1	205.4	0	0.1	1018.2	130.0	0	0	1015.7	81.7	0	0	1010.0	24.4	0	0.8	12
13	1021.0	202.4	0	0.1	1018.1	127.6	0	0	1015.6	80.1	0	0	1009.7	22.9	0	0.8	13
14	1020.9	199.6	0	0.1	1018.0	125.3	0	0	1015.6	80.1	0	0	1009.2	20.4	0	0.8	14
15	1020.8	196.8	0	0.1	1017.9	123.2	0	0	1015.5	78.6	0	0	1008.6	17.7	0	0.7	15
16	1020.7	194.0	0	0.1	1017.8	121.1	0	0	1015.4	77.1	0	0	1008.0	15.2	0	0.7	16
17	1020.6	191.2	0	0.1	1017.7	119.1	0	0	1015.3	75.5	0	0	1007.2	12.5	0	0.6	17
18	1020.5	188.4	0	0.1	1017.7	119.1	0	0	1015.3	75.5	0	0	1005.8	8.6	0	0.6	18
19	1020.4	185.6	0	0.1	1017.6	117.0	0	0	1015.2	74.0	0	0	1003.6	4.6	0	0.6	19
20	1020.3	182.8	0	0.1	1017.5	114.9	0	0	1015.1	72.4	0	0	1000.6	1.6	0	0.5	20
21	1020.2	180.0	0	0.1	1017.4	112.8	0	0	1015.0	70.9	0	0	998.2	0.8	0	0.3	21
22	1020.1	177.2	0	0.1	1017.3	110.7	0	0	1014.9	69.3	0	0.3	995.5	0.2	0	0.1	22
23	1020.0	174.4	0	0.1	1017.3	110.7	0	0	1014.8	68.3	0	0.6	991.6	0	0	+	23
24	1019.9	171.8	0	---	1017.2	108.6	0	0	1014.6	65.7	0	0.6	991.6	0	0	0	24
25	1019.8	169.2	0	NEG.	1017.1	106.6	0	0	1014.5	64.4	0	0.6	991.6	0	0	0	25
26	1019.7	166.7	0		1017.0	104.5	0	0	1014.4	63.2	0	0.7	991.6	0	0	0	26
27	1019.6	164.1	0		1017.0	104.5	0	0	1014.2	60.6	0	0.7	991.6	0	0	0	27
28	1019.5	161.5	0		1016.9	102.7	0	0	1014.0	58.0	0	0.7	991.6	0	0	0	28
29	1019.4	158.9	0		1016.8	100.9	0	0	1013.8	55.8	0	0.7	991.6	0	0	0	29
30	1019.3	156.3	0		1016.7	99.0	0	0	1013.6	53.7	0	0.7	991.6	0	0	0	30
31					1016.6	97.2	0	0	1013.4	51.5	0	0.7					31
TOTAL			0	3.4			0	0			0	6.3			0	15.9	
Inf. Ac. Ft.			0				0				0				0		925.7
Outf. Ac. Ft.			6.7+(82.5)				0+(59.1)				125+(33.2)			315+(20.0)			142.2+(783.4)
Maximum Mean Daily Inflow			0				0				0				0		110.8
Minimum Mean Daily Inflow			0				0				0				0		0
Storage Change		-89.2				-59.1				-45.7				-51.5			0

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1027.0	feet	on	2/28/57	Storage	416.1	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS ckd. Date
Min. W. S. Elev.	DRY	feet	on	OCT. AND SEPT.	Storage	0	Acre Feet	K.M. YORK	Dam Tender	Gage Hts. copied JHL FES
Max. Peak Inf.	795.	C.F.S. from	5:00 A.M.	on 2/23/57	to	6:00 A.M.	on 2/23/57	J. HOLLERON	Hydrographer	Storage applied JHL FES
Max. Peak Outf.	124.	C.F.S. from	8:25 A.M.	on 10/4/56	to	9:00 A.M.	on 10/4/56		Hydrographer	Inf. & Outf. comp. JHL FES

REMARKS [INDICATES AVERAGE FOR PERIOD.
( ) INDICATES PERCOLATION LOSSES.

76D138N-68B Gb 7-55

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of EATON Dam

In Eaton Wash On for the Year Ending September 30, 1956

Drainage Area 9.48 Square Miles. Capacity of Reservoir 703.0 Ac. Ft. at Spillway Elev. 887.5 Ft. as of January 1952 Survey

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			0	0		0	0	0			0	0			0	0	1
2			0	0		0	0	0			0	0			0	0	2
3			0	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	0			0	0	5
6			0	0		0	0	0			0	0			0	0	6
7			0	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	0			0	0	9
10			0	0		0	0	0			0	0		NO STORAGE	0	0	10
11			0	0		0	0	0			0	0			0	0	11
12			0	0		0	0	0			0	0			0	0	12
13			0	0		0	0	0			0	0			0	0	13
14			0	0	850.6	1.9	1.4	0			0	0			0	0	14
15			0	0	849.7	1.3	0	0			0	0			0	0	15
16			0	0	849.2	1.1	0	0			0	0			0	0	16
17			0	0	848.7	0.9	0	0			0	0			0	0	17
18		NO STORAGE	0	0	848.2	0.7	0	0		NO STORAGE	0	0			0	0	18
19			0	0	847.5	0.5	0	0			0	0			0	0	19
20			0	0	846.7	0.4	0	0			0	0			0	0	20
21			0	0	847.5	0.5	0.2	0			0	0			0	0	21
22			0	0	846.8	0.4	0	0			0	0			0	0	22
23			0	0	845.6	0.3	0	0			0	0			0	0	23
24			0	0	843.6	0.1	0	0			0	0			0	0	24
25			0	0	843.3		0	0			0	0	853.4	16.3	9.7	0	25
26			0	0			0	0			0	0	871.6	215.1	123.3	15.3	26
27			0	0			0	0			0	0	868.0	152.2	13.4	41.2	27
28			0	0			0	0			0	0	864.5	103.7	0	19.0	28
29			0	0			0	0			0	0	864.0	97.6	0	0	29
30			0	0			0	0			0	0	863.6	93.0	0	0	30
31			0	0							0	0	863.2	88.5	0	0	31
TOTAL			0	0			1.6	0			0	0			146.4	75.5	26.3
Inf. Ac. Ft.			0				3.2				0				290.4	283.6	
Outf. Ac. Ft.				0			0 + (3.2)					0		149.8 + (52.2)		149.8 + (55.4)	
Maximum Mean Daily Inflow							1.4								123.3	123.3	
Minimum Mean Daily Inflow							0								0	0	
Storage Change						0								+88.5		+88.5	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	871.6	feet	on	1/26/56	Storage	215.1	Acre Feet			
Min. W. S. Elev.	DRY	feet	on	PART OF YEAR	Storage	0	Acre Feet			
Max. Peak Inf.	422.	C.F.S. from	3:00 P.M.	on	1/26/56	to	4:00 P.M.	on	1/26/56	
Max. Peak Outf.	41.	C.F.S. from	4:15 P.M.	on	1/26/56	to	11:00 A.M.	on	1/28/56	

RECORDS COLLECTED BY

H.E. WILSON — Dam Tender
F.E. STUNDEN — Hydrographer
Hydrographer

COMPUTATIONS — ckd. — Date

Gage Hts. copied JHL HRW
Storage applied JHL HRW
Inf. & Outf. comp. JHL HRW

REMARKS () INDICATES PERCOLATION AND EVAPORATION LOSSES

76D138N-68B Gb 7-55

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of EATON Dam

In Eaton Wash On for the Year Ending September 30, 1956

Drainage Area 9.48 Square Miles. Capacity of Reservoir 703.0 Ac. Ft. at Spillway Elev. 887.5 Ft. as of January 1952 Survey

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	862.9	85.1	0	0	857.3	36.6	0	0	849.8	8.4*	0	0	851.6	11.0*	0	0	1
2	862.5	80.9	0	0	857.1	35.3	0	0	849.6	8.2	0	0	851.1	10.3	0	0	2
3	862.2	77.7	0	0	856.9	34.0	0	0	849.5	7.9	0	0	850.6	9.7	0	0	3
4	862.0	75.6	0	0	856.7	32.8	0	0	849.4	7.7	0	0	850.3	9.3	0	0	4
5	861.7	72.7	0	0	856.6	32.2	0	0	849.2	7.5	0	0	850.1	8.9	0	0	5
6	861.5	70.7	0	0	856.4	31.0	0	0	849.1	7.2	0	0	849.8	8.6	0	0	6
7	861.3	68.7	0	0	856.2	29.8	0	0	848.9	7.0	0	0	849.7	8.4	0	0	7
8	861.0	65.8	0	0	856.0	28.6	0	0	848.8	6.8	0	0	849.6	8.3	0	0	8
9	860.8	64.0	0	0	855.8	27.6	0	0	848.5	6.6	0	0	853.0	12.2	3.5	0	9
10	860.6	62.2	0	0	855.7	27.0	0	0	848.4	6.5*	0	0	852.9	11.6	0	0	10
11	860.4	60.4	0	0	855.5	26.0	0	0	848.3	6.4	0	0	852.7	11.1	0	0	11
12	860.2	58.6	0	0	855.4	25.5	0	0	854.4	20.6	9.2	0	852.5	10.6	0	0	12
13	860.0	56.8	0	0	855.2	24.4	0	0	854.5	21.1	1.4	0	852.1	9.9	0	0	13
14	859.8	55.2	0	0	855.1	23.9	0	0	854.3	20.2	0	0	851.4	9.0	0	0	14
15	859.6	53.5	0	0	854.9	22.9	0	0	854.2	19.7	0	0	850.8	8.2	0	0	15
16	859.4	51.9	0	0	854.7	22.0	0	0	854.0	18.8	0	0	850.3	7.7	0	0	16
17	859.2	50.2	0	0	854.5	21.1	0	0	853.8	18.0	0	0	850.1	7.4	0	0	17
18	859.0	48.6	0	0	854.4	20.6	0	0	853.7	17.6	0	0	849.9	7.1	0	0	18
19	858.8	47.1	0	0	854.3	20.2	0	0	853.6	17.2	0	0	849.8	7.0	0	0	19
20	858.6	45.6	0	0	854.1	19.3	0	0	853.4	16.3	0	0	849.7	6.8	0	0	20
21	858.4	44.2	0	0	854.0	18.8	0	0	853.3	15.9	0	0	849.6	6.6	0	0	21
22	858.2	42.7	0	0	853.8	18.0	0	0	853.1	15.1	0	0	849.4	6.4	0	0	22
23	858.6	45.6	3.0	0	853.6	17.2	0	0	853.0	14.7	0	0	849.3	6.2	0	0	23
24	858.4	44.2	0	0	853.5	16.8	0	0	852.8	14.0	0	0	849.2	6.0	0	0	24
25	858.2	42.7	0	0	853.3	15.9	0	0	852.5	13.0	0	0	849.1	5.8	0	0	25
26	858.0	41.2	0	0	853.1	15.1	0	0	852.6	13.3	1.0	0	849.1	5.8*	0	0	26
27	857.8	39.9	0	0	852.6	13.3	0	0	852.5	13.0	0	0	849.0	5.7	0	0	27
28	857.7	39.2	0	0	852.0	11.2	0	0	852.4	12.6	0	0	849.8	4.6**	0	0.5	28
29	857.5	37.9	0	0	851.2	10.0	0	0	852.2	12.1	0	0	849.7	4.4	0	0	29
30					850.6	9.3	0	0	852.0	11.2	0	0	849.6	4.3	0	0	30
31					849.9	8.6	0	0					849.5	4.2**	0	0	31
TOTAL			3.0	0			0	0			11.6	0			3.5	0.5	
Inf. Ac. Ft.			6.0				0				23.0				6.9	329.5	
Outf. Ac. Ft.			0 + (5.6)				0 + (29.3)				0 + (20.4)				10 + (12.9)	150.8 + (174.6)	
Maximum Mean Daily Inflow			3.0				0				9.2				3.5	123.3	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		-50.6				-29.3				+2.6				-7.0		+4.2	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	871.6	feet	on	1/26/56	Storage	215.1	Acre Feet			
Min. W. S. Elev.	DRY	feet	on	PART OF YEAR	Storage	0	Acre Feet			
Max. Peak Inf.	422.	C.F.S. from	3:00 P.M.	on	1/26/56	to	4:00 P.M.	on	1/26/56	
Max. Peak Outf.	41.	C.F.S. from	4:15 P.M.	on	1/26/56	to	11:00 A.M.	on	1/28/56	

RECORDS COLLECTED BY

H.E. WILSON — Dam Tender
F.E. STUNDEN — Hydrographer
Hydrographer

COMPUTATIONS — ckd. — Date

Gage Hts. copied JHL HRW
Storage applied JHL HRW
Inf. & Outf. comp. JHL HRW

REMARKS () INDICATES PERCOLATION AND EVAPORATION LOSSES

* STORAGE IN RESERVOIR AND PIT. RESERVOIR W.S. ELEV. USED. ** PIT ONLY

76D138N-58B Gb 7-55

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of EATON Dam

~~In~~ On Eaton Wash for the Year Ending September 30, 1956

Continuous Water Stage Recorder Au

Drainage Area 9.48 Square Miles. Capacity of Reservoir 703.0 Ac. Ft. at Spillway Elev. 887.5 Ft. as of January 1952 Survey 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	849.4	4.1	0	0	846.4	1.4	0	0									1
2	849.3	4.0	0	0	846.3	1.3	0	0									2
3	849.2	3.8	0	0	846.2	1.2	0	0									3
4	849.1	3.7	0	0	846.1	POOL	0	0									4
5	849.0	3.6	0	0	846.0		0	0									5
6	848.9	3.5	0	0			0	0									6
7	848.8	3.4	0	0			0	0									7
8	848.7	3.3	0	0			0	0									8
9	848.6	3.2	0	0			0	0									9
10	848.5	3.1	0	0			0	0									10
11	848.4	3.0	0	0			0	0									11
12	848.3	2.9	0	0			0	0									12
13	848.2	2.8	0	0			0	0									13
14	848.1	2.7	0	0			0	0									14
15	848.0	2.6	0	0			0	0									15
16	847.9	2.5	0	0			0	0									16
17	847.8	2.4	0	0			0	0									17
18	847.7	2.4	0	0			0	0									18
19	847.6	2.3	0	0			0	0									19
20	847.5	2.2	0	0			0	0									20
21	847.4	2.1	0	0			0	0									21
22	847.3	2.0	0	0			0	0									22
23	847.2	2.0	0	0			0	0									23
24	847.1	1.9	0	0			0	0									24
25	847.0	1.8	0	0			0	0									25
26	846.9	1.7	0	0			0	0									26
27	846.8	1.7	0	0			0	0									27
28	846.7	1.6	0	0			0	0									28
29	846.6	1.5	0	0			0	0									29
30	846.5	1.4	0	0			0	0									30
31							0	0									31
TOTAL			0	0			0	0			0	0			0	0	
Inf. Ac. Ft.			0				0				0				0	329.5	
Outf. Ac. Ft.			0 +	(2.8)			0 +	(1.4)			0				0	150.8+ (178.8)	
Maximum Mean Daily Inflow			0				0				0				0	123.3	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change			-2.8				-1.4				0				0	0	

NO STORAGE

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	871.6	feet on	1/26/56	Storage	215.1	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	DRY	feet on	PART OF YEAR	Storage	0	Acre Feet	H.E. WILSON	Dam Tender	Gage Hts. copied	JHL HRW
Max. Peak Inf.	422.	C.F.S. from	3:00 P.M. on 1/26/56	to	4:00 P.M. on 1/26/56		F.E. STUNDEN	Hydrographer	Storage applied	JHL HRW
Max. Peak Outf.	41	C.F.S. from	4:15 P.M. on 1/26/56	to	11:00 A.M. on 1/28/56			Hydrographer	Inf. & Outf. comp.	JHL HRW

REMARKS () INDICATES PERCOLATION AND EVAPORATION LOSSES
STORAGE IN PIT ONLY

76D138N-58B Gb 7-55

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of EATON Dam

~~In~~ On Eaton Wash for the Year Ending September 30, 1957

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 1957 Survey 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	843.7	0	0	0	844.7	POOL	0	0	843.9	POOL	0	0	845.9	0.1	0	0	1
2	843.7	0	0	0	844.6		0	0	843.9		0	0	845.8	0.1	0	0	2
3	843.7	0	0	0	844.6		0	0	843.9		0	0	845.7	0.1	0	0	3
4	851.3	0.7	1.2	0	844.6		0	0	843.9		0	0	846.3	0.1	0	0	4
5	850.2	0.3	0	0	844.5		0	0	851.3	0.7	1.0	0	851.3	0.7	0.9	0	5
6	849.9	0.2	0	0	844.5		0	0	850.7	0.4	0	0	851.0	0.5	0.1	0	6
7	849.7	0.2	0	0	844.5		0	0	850.3	0.3	0	0	850.7	0.4	0	0	7
8	849.4	0.2	0	0	844.4		0	0	850.0	0.3	0	0	850.4	0.4	0	0	8
9	849.1	0.2	0	0	844.4		0	0	849.8	0.2	0	0	850.2	0.3	0	0	9
10	848.7	0.2	0	0	844.3		0	0	849.6	0.2	0	0	851.3	0.7	0.8	0	10
11	848.3	0.2	0	0	844.3		0	0	849.3	0.2	0	0	851.0	0.5	0	0	11
12	848.0	0.2	0	0	844.3		0	0	849.1	0.2	0	0	854.7	5.4	3.7	0	12
13	847.8	0.2	0	0	844.3		0	0	848.9	0.2	0	0	859.4	25.1	11.9	0	13
14	847.5	0.2	0	0	844.2		0	0	848.6	0.2	0	0	858.8	21.6	0	0	14
15	847.2	0.1	0	0	844.2		0	0	848.4	0.2	0	0	858.4	19.5	0	0	15
16	846.9	0.1	0	0	844.2		0	0	848.1	0.2	0	0	858.1	17.9	0	0	16
17	846.6	0.1	0	0	844.2		0	0	848.0	0.2	0	0	857.8	16.5	0	0	17
18	846.1	0.1	0	0	844.1		0	0	847.8	0.2	0	0	857.5	15.2	0	0	18
19	845.8	0.1	0	0	844.1		0	0	847.6	0.2	0	0	857.2	13.9	0	0	19
20	845.5	0.1	0	0	844.1		0	0	847.4	0.2	0	0	857.0	13.0	0	0	20
21	845.3	0.1	0	0	844.1		0	0	847.3	0.1	0	0	856.8	12.3	0	0	21
22	845.1	0.1	0	0	844.1		0	0	847.2	0.1	0	0	856.6	11.5	0	0	22
23	845.0	POOL	0	0	844.1		0	0	847.0	0.1	0	0	856.4	10.8	0	0	23
24	844.8		0	0	844.0		0	0	846.9	0.1	0	0	856.2	10.0	0	0	24
25	844.7		0	0	844.0		0	0	846.8	0.1	0	0	856.0	9.3	0	0	25
26	844.6		0	0	844.0		0	0	846.6	0.1	0	0	855.8	8.6	0	0	26
27	844.5		0	0	844.0		0	0	846.5	0.1	0	0	855.6	8.0	0	0	27
28	844.0		0	0	844.0		0	0	846.4	0.1	0	0	855.5	7.7	0	0	28
29	844.8		0	0	843.9		0	0	846.2	0.1	0	0	855.4	7.4	0	0	29
30	844.8		0	0	843.9	POOL			846.1	0.1	0	0	855.3	7.0	0	0	30
31	844.7	POOL	0	0					846.0	0.1	0	0	855.1	6.4	0	0	31
TOTAL			1.2	0			0	0			1.0	0			17.4	0	
Inf. Ac. Ft.			2.4				0				2.0				34.5	38.9	
Outf. Ac. Ft.			0 +	(2.4)			0	0			0 +	(1.9)		0 +	(28.2)	0 + (32.5)	
Maximum Mean Daily Inflow			1.2				0				1.0				11.9	11.9	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		0				0				+0.1				+6.3		+6.4	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	861.0	feet on	3/1/57	Storage	36.0	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	DRY	feet on		Storage	0	Acre Feet	H.E. WILSON	Dam Tender	Gage Hts. copied	JHL FES
Max. Peak Inf.	138.	C.F.S. from	6:00 A.M. on 2/23/57	to	7:00 A.M. on 2/23/57		J. HOLLERON	Hydrographer	Storage applied	JHL FES
Max. Peak Outf.	40.2	C.F.S. from	2:18 P.M. on 5/6/57	to	2:48 P.M. on 6/6/57			Hydrographer	Inf. & Outf. comp.	JHL FES

REMARKS () INDICATES PERCOLATION LOSSES

76D138N-68B Gb 7-55

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of EATON Dam

~~In~~ On Eaton Wash for the Year Ending September 30, 1957

Drainage Area 9.48 Square Miles. Capacity of Reservoir 667.2 Ac. Ft. at Spillway Elev. 887.5 Ft. as of May, 1957 Survey

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	854.9	5.9	0	0	860.9	35.3	3.1	0	855.7	8.3	0	0	852.1	1.3	0	1.0	1
2	854.7	5.4	0	0	860.7	33.8	0	0	855.5	7.7	0	0	851.9	1.2	0	0	2
3	854.5	5.0	0	0	860.4	31.6	0	0	855.4	7.4	0	0	851.1	0.6	0	0	3
4	854.4	4.8	0	0	860.1	29.4	0	0	855.3	7.0	0	0	849.9	0.2	0	0	4
5	854.2	4.2	0	0	859.9	28.1	0	0	855.1	6.4	0	0	849.7	0.2	0	0	5
6	854.1	3.9	0	0	859.6	26.3	0	0	855.0	6.1	0	0	849.6	0.2	0	0	6
7	853.9	3.8	0	0	859.4	25.1	0	0	854.9	5.9	0	0	849.4	0.2	0	0	7
8	853.8	3.6	0	0	859.2	23.9	0	0	854.8	5.7	0	0	849.3	0.2	0	0	8
9	853.6	3.3	0	0	859.4	25.1	2.6	0	854.7	5.4	0	0	849.2	0.2	0	0	9
10	853.5	3.2	0	0	859.2	23.9	0	0	854.6	5.2	0	0	851.8	1.1	0.9	0	10
11	853.3	2.9	0	0	859.0	22.7	0	0	853.0	2.4	0	1.3	853.1	2.6	1.1	0	11
12	853.2	2.7	0	0	858.8	21.6	0	0	845.9	Pool	0	1.2	853.0	2.4	0	0	12
13	853.0	2.4	0	0	858.6	20.6	0	0	846.6		0	0	852.9	2.3	0	0	13
14	852.9	2.3	0	0	858.5	20.0	0	0	846.6		0	0	852.8	2.2	0	0	14
15	852.7	2.0	0	0	858.2	18.5	0	0	846.6		0	0	852.7	2.0	0	0	15
16	852.6	1.9	0	0	858.2	18.5	1.5	0	846.5		0	0	852.5	1.8	0	0	16
17	852.5	1.8	0	0	858.0	17.4	0	0	852.4	1.7	1.3	0	852.4	1.7	0	0	17
18	852.3	1.6	0	0	857.9	17.0	0	0	852.6	1.9	0.3	0	852.8	2.2	0.6	0	18
19	852.2	1.5	0	0	857.7	16.1	0	0	852.5	1.8	0	0	855.5	7.7	3.8	0	19
20	852.0	1.2	0	0	857.5	15.2	0	0	854.9	5.9	2.9	0	855.3	7.0	0	0	20
21	851.9	1.2	0	0	857.4	14.8	0	0	854.8	5.7	0	0	855.0	6.1	0	0	21
22	851.7	1.0	0	0	857.2	13.9	0	0	854.7	5.4	0	0	854.8	5.7	0	0	22
23	860.7	33.8	19.5	0	857.0	13.0	0	0	854.5	5.0	0	0	854.7	5.4	0	0	23
24	860.2	30.2	0	0	856.9	12.6	0	0	854.4	4.8	0	0	854.5	5.0	0	0	24
25	859.9	28.1	0	0	856.7	11.9	0	0	854.3	4.6	0	0	854.4	4.8	0	0	25
26	859.6	26.3	0	0	856.5	11.1	0	0	854.2	4.4	0	0	854.2	4.4	0	0	26
27	859.3	24.5	0	0	856.4	10.8	0	0	854.1	4.2	0	0	854.1	4.2	0	0	27
28	860.6	33.1	6.8	0	856.3	10.4	0	0	854.0	3.9	0	0	854.0	3.9	0	0	28
29					856.1	9.6	0	0	853.8	3.6	0	0	853.9	3.8	0	0	29
30					856.0	9.3	0	0	853.7	3.5	0	0	853.8	3.6	0	0	30
31					855.8	8.6	0	0					853.6	3.3	0	0	31
TOTAL			26.3	0			7.2	0			4.5	2.5			6.4	1.0	
Inf. Ac. Ft.			52.2				14.3				8.9				12.7		127.0
Outf. Ac. Ft.			0 + (25.5)				0 + (38.8)				5.0 + (9.0)				2.0 + (10.9)		7.0 + (116.7)
Maximum Mean Daily Inflow			19.5				3.1				2.9				3.8		19.5
Minimum Mean Daily Inflow			0				0				0				0		0
Storage Change		+26.7				-24.5				-5.1				-0.2			+3.3

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	861.0	feet	on	3/1/57	Storage	36.0	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	DRY	feet	on		Storage	0	Acre Feet	H.E. WILSON	Dam Tender	Gage Hts. copied	JHL	FES
Max. Peak Inf.	138.	C.F.S. from	6:00 A.M.	on	2/23/57	to	7:00 A.M.	on	2/23/57	J. HOLLERON	Hydrographer	Storage applied	JHL	FES
Max. Peak Outf.	10.2	C.F.S. from	2:18 P.M.	on	6/6/57	to	2:48 P.M.	on	6/6/57		Hydrographer	Inf. & Outf. comp.	JHL	FES

REMARKS () INDICATES PERCOLATION LOSSES

76D138N-68B Gb 7-55

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of EATON Dam

~~In~~ On Eaton Wash for the Year Ending September 30, 1957

Drainage Area 9.48 Square Miles. Capacity of Reservoir 667.2 Ac. Ft. at Spillway Elev. 887.5 Ft. as of May, 1957 Survey

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	853.5	3.2	0	0		DRY	0	0			0	0			0	0	1
2	853.3	2.9	0	0			0	0			0	0			0	0	2
3	853.2	2.7	0	0			0	0			0	0			0	0	3
4	853.0	2.4	0	0			0	0			0	0			0	0	4
5	852.8	2.2	0	0			0	0			0	0			0	0	5
6	848.5	0.2	0	1.0			0	0			0	0			0	0	6
7		POOL	0	0.1			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		POOL	0	0			0	0			0	0			0	0	30
31							0	0			0	0					31
TOTAL			0	1.1			0	0			0	0			0	0	
Inf. Ac. Ft.			0				0				0				0		127.0
Outf. Ac. Ft.			2.2 + (1.1)					0				0			0		9.2 + (117.8)
Maximum Mean Daily Inflow			0				0				0				0		19.5
Minimum Mean Daily Inflow			0				0				0				0		0
Storage Change		+3.3															0

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	861.0	feet	on	3/1/57	Storage	36.0	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	DRY	feet	on		Storage	0	Acre Feet	H.E. WILSON	Dam Tender	Gage Hts. copied	JHL	FES
Max. Peak Inf.	138.	C.F.S. from	6:00 A.M.	on	2/23/57	to	7:00 A.M.	on	2/23/57	J. HOLLERON	Hydrographer	Storage applied	JHL	FES
Max. Peak Outf.	10.2	C.F.S. from	2:18 P.M.	on	6/6/57	to	2:48 P.M.	on	6/6/57		Hydrographer	Inf. & Outf. comp.	JHL	FES

REMARKS () INDICATES PERCOLATION LOSSES

76D138N-68B Gb 7-55

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~~ Big Santa Anita Canyon for the Year Ending September 30, 1956

Continuous Water Stage Recorder Au

Drainage Area 10.8 Square Miles. Capacity of Reservoir 602.7 Ac. Ft. at Spillway Elev. 1316.0 Ft. as of August 1955 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	1180±	0	0.6	0.6	1195.5	30	0.5	0.6	1214.5	228	1.3	0.3	1230.8	541	0.9	0.3	1
2		0	0.6	0.6	1191.4	14	0.5	1.1	1215.7	246	1.2	0.3	1231.3	553	0.9	0.3	2
3		0	0.6	0.6	1190.3	11	0.5	0.6	1216.4	257	0.9	0.3	1231.8	565	0.9	0.4	3
4		0	0.6	0.6	1192.1	16	0.5	0.3	1217.4	273	1.1	0.3	1232.2	575	0.9	0.4	4
5		0	0.6	0.6	1194.3	24	0.5	0.3	1218.1	284	0.8	0.3	1232.6	585	0.9	0.4	5
6		0	0.6	0.6	1196.3	34	0.5	0.3	1218.7	295	0.8	0.3	1233.0	594	0.9	0.4	6
7		0	0.6	0.6	1197.7	42	0.5	0.3	1219.2	303	0.8	0.3	1233.4	605	0.9	0.4	7
8		0	0.6	0.6	1198.3	46	0.6	0.3	1219.7	312	0.8	0.3	1233.8	615	0.9	0.4	8
9		0	0.6	0.6	1198.8	49	0.6	0.3	1220.2	321	0.7	0.3	1234.2	625	0.8	0.3	9
10		0	0.6	0.6	1199.3	53	0.6	0.3	1220.6	328	0.7	0.3	1234.6	636	0.8	0.3	10
11		0	0.6	0.6	1199.8	56	0.6	0.3	1221.0	336	0.7	0.3	1235.0	646	0.8	0.3	11
12		0	0.6	0.6	1200.3	60	0.6	0.3	1221.4	343	0.7	0.3	1235.3	654	0.8	0.3	12
13		0	0.6	0.6	1201.2	67	0.6	0.3	1221.8	351	0.7	0.3	1235.6	662	0.8	0.3	13
14		0	0.5	0.5	1202.4	78	0.6	0.3	1222.2	358	0.7	0.3	1236.0	672	0.8	0.3	14
15		0	0.5	0.5	1204.0	94	1.1	0.3	1222.5	364	0.7	0.3	1236.3	680	0.8	0.3	15
16		0	0.5	0.5	1204.6	100	0.6	0.3	1222.9	372	0.6	0.3	1236.7	691	0.8	0.3	16
17		0	0.5	0.5	1205.3	107	0.6	0.3	1223.4	382	0.7	0.3	1237.1	702	0.7	0.3	17
18		0	0.5	0.5	1205.8	113	0.6	0.3	1223.8	390	0.7	0.3	1235.5	659	0.7	0.3	18
19		0	0.5	0.5	1206.3	119	0.6	0.3	1224.2	398	0.7	0.3	1237.8	721	0.8	0.3	19
20	1180±	0	0.5	0.5	1206.7	124	0.6	0.3	1224.6	406	0.7	0.3	1238.2	732	0.8	0.3	20
21	1183.0	0.1	0.5	0.5	1208.2	142	1.2	0.3	1225.0	414	0.8	0.3	1238.6	743	0.8	0.3	21
22	1186.0	0.3	0.5	0.3	1209.2	155	1.0	0.3	1225.3	420	0.8	0.3	1238.9	751	0.8	0.3	22
23	1188.5	0.7	0.5	0.3	1209.9	164	0.8	0.3	1225.9	432	0.8	0.3	1239.3	762	0.9	0.3	23
24	1189.8	1.0	0.5	0.3	1210.4	171	0.7	0.3	1226.4	443	0.9	0.3	1239.8	776	1.0	0.3	24
25	1190.7	1.2	0.5	0.3	1210.9	178	0.6	0.3	1227.1	458	0.9	0.3	1242.9	864	4.7	0.3	25
26	1191.7	1.5	0.4	0.3	1211.3	183	0.6	0.3	1227.7	471	0.9	0.3	1298.1	4038	175.4	15.3	26
27	1192.7	1.8	0.4	0.3	1211.8	190	0.6	0.3	1228.2	482	0.9	0.3	1302.7	4495	93.1	70.1	27
28	1193.7	2.2	0.5	0.3	1212.2	196	0.6	0.3	1228.8	495	0.9	0.3	1291.1	3410	45.3	100.0	28
29	1194.7	2.6	0.5	0.3	1212.7	203	0.6	0.3	1229.3	506	0.9	0.3	1263.8	1601	21.8	113.0	29
30	1195.7	3.1	0.5	0.3	1213.1	208	0.6	0.3	1229.8	518	0.9	0.3	1180±	0	13.4	94.1	30
31	1196.7	3.6	0.5	0.3					1230.4	532	0.9	0.3		0	12.4	12.4	31
TOTAL			16.6	14.8			19.1	10.4			25.6	9.3			386.2	413.0	
Inf. Ac. Ft.			329				379				508				766.0	887.6	
Outf. Ac. Ft.				294				206				184			819.2	887.6	
Maximum Mean Daily Inflow			0.6				1.2				1.3				175.4	175.4	
Minimum Mean Daily Inflow			0.4				0.5				0.6				0.7	0.3	
Storage Change		+36				+172				+324				-532		0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1303.5	feet	on	1/27/56	Storage	457.8	Acre Feet			
Min. W. S. Elev.		feet	on	OCTOBER	Storage	0	Acre Feet			
Max. Peak Inf.	569.	C.F.S. from	3:00 P.M.	on	1/26/56	to	4:00 P.M.	on	1/26/56	
Max. Peak Outf.	120.	C.F.S. from	NOON	on	1/28/56	to	10:30 A.M.	on	1/29/56	

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
K.A. SHIPLEY	Dam Tender	Gage Hts. copied	JHL FES	
F.E. STUNDEN	Hydrographer	Storage applied	JHL FES	
	Hydrographer	Inf. & Outf. comp.	JHL FES	

REMARKS: (INDICATES AVERAGE FOR PERIOD

76D138N-68B Gb 7-55

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, 1956

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 Survey 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	1180±	0	8.0	8.0	1252.2	1277	3.4	1.8	1242.9	936	3.0	5.2	1252.5	1289	5.1	9.3	1
2	1180±	0	7.1	7.1	1252.9	1305	3.2	1.8	1241.6	891	2.9	5.2	1250.2	1200	4.7	9.2	2
3		4.4	6.9	4.7	1253.6	1333	3.2	1.8	1240.2	845	2.9	5.2	1248.8	1147	4.4	7.1	3
4	1211.5	15.4	6.6	1.0	1254.2	1357	3.0	1.8	1238.7	795	2.7	5.2	1249.5	1173	4.3	3.0	4
5	1217.1	24.3	5.5	1.0	1254.9	1385	3.2	1.8	1238.5	789	2.6	2.9	1250.1	1196	4.2	3.0	5
6	1221.4	32.5	5.1	1.0	1255.6	1414	3.4	1.9	1238.9	802	2.4	1.8	1250.7	1219	4.1	3.0	6
7	1224.9	40.2	4.9	1.0	1256.2	1438	3.1	1.9	1239.2	812	2.4	1.8	1251.1	1234	3.8	3.0	7
8	1227.7	47.1	4.4	1.0	1256.9	1468	3.4	1.9	1239.5	822	2.4	1.8	1251.6	1253	4.0	3.0	8
9	1229.8	52.8	3.9	1.0	1257.4	1489	3.0	1.9	1239.7	828	2.4	1.8	1255.5	1410	10.9	3.0	9
10	1231.3	56.9	3.2	1.1	1257.8	1506	2.7	1.9	1240.1	841	2.3	1.8	1257.3	1485	6.8	3.1	10
11	1233.0	61.8	3.7	1.2	1258.2	1523	2.8	1.9	1240.6	858	2.3	1.8	1258.7	1544	6.1	3.1	11
12	1234.3	65.7	3.1	1.2	1258.6	1540	2.7	1.9	1244.4	987	8.3	1.7	1259.8	1592	5.5	3.1	12
13	1235.4	69.1	3.0	1.3	1258.9	1553	2.6	1.9	1250.5	1211	12.9	1.7	1260.9	1642	5.7	3.1	13
14	1236.3	71.9	2.7	1.3	1257.8	1506	2.9	5.3	1254.3	1361	9.3	1.7	1261.6	1673	4.6	3.1	14
15	1237.2	74.7	2.9	1.4	1255.8	1422	2.8	7.0	1257.0	1472	7.3	1.7	1262.1	1696	4.3	3.1	15
16	1238.0	77.3	2.8	1.5	1254.5	1369	2.9	5.6	1259.0	1557	6.0	1.7	1262.6	1719	4.2	3.1	16
17	1238.8	79.9	2.8	1.5	1254.3	1361	2.6	3.0	1260.8	1637	5.7	1.7	1262.9	1732	3.8	3.1	17
18	1239.4	81.8	2.4	1.5	1254.2	1357	2.8	3.0	1262.4	1709	5.4	1.7	1263.2	1747	3.9	3.1	18
19	1240.0	83.8	2.5	1.5	1254.0	1349	2.6	3.0	1263.8	1775	5.0	1.7	1263.5	1761	3.9	3.2	19
20	1240.4	85.1	2.2	1.5	1253.7	1337	2.4	3.0	1265.0	1833	4.6	1.7	1263.8	1778	4.0	3.2	20
21	1240.9	86.8	2.5	1.6	1253.4	1325	2.4	3.0	1266.0	1883	4.2	1.7	1264.0	1785	3.7	3.3	21
22	1241.1	87.4	1.9	1.6	1253.2	1317	2.6	3.0	1266.9	1929	4.0	1.7	1264.2	1795	3.8	3.3	22
23	1243.9	97.0	6.4	1.6	1252.1	1273	2.7	4.9	1266.5	1908	3.9	4.9	1264.4	1804	3.9	3.3	23
24	1245.8	103.7	5.0	1.6	1251.8	1261	2.4	3.0	1264.8	1823	4.2	8.5	1264.6	1814	3.9	3.3	24
25	1247.2	108.7	4.2	1.7	1251.5	1250	2.4	3.0	1262.5	1714	4.1	9.6	1264.9	1828	3.9	3.3	25
26	1248.5	113.6	4.2	1.7	1251.2	1238	2.1	3.0	1261.5	1668	7.3	9.6	1265.2	1843	3.9	3.3	26
27	1249.6	117.7	3.7	1.7	1250.3	1203	2.1	3.0	1260.2	1610	6.6	9.5	1265.5	1858	3.9	3.3	27
28	1250.6	121.5	3.7	1.7	1248.8	1147	2.1	4.2	1258.3	1527	5.3	9.5	1265.8	1873	3.9	3.3	28
29	1251.4	124.6	3.3	1.8	1247.3	1091	2.1	5.3	1256.4	1447	5.3	9.4	1266.0	1883	3.9	3.3	29
30					1245.7	1033	2.1	5.3	1254.6	1373	5.7	9.4	1266.2	1893	3.9	3.3	30
31					1244.2	980	2.0	5.3					1266.4	1903	3.9	3.3	31
TOTAL			118.6	55.8			83.7	97.1			143.4	123.6			140.9	114.2	
Inf. Ac. Ft.			235.2				166.0				284.4				279.5	188.2.7	
Outf. Ac. Ft.				110.7				192.6				245.2			226.5	166.2.6	
Maximum Mean Daily Inflow			8.0				3.4				12.9				10.9	175.4	
Minimum Mean Daily Inflow			1.9				2.0				2.3				3.2	0.3	
Storage Change		+124.6				-26.6				+39.3				+53.0		+190.3	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1303.5	feet	on	1/27/56	Storage	457.8	Acre Feet			
Min. W. S. Elev.		feet	on	OCTOBER	Storage	0	Acre Feet			
Max. Peak Inf.	569.	C.F.S. from	3:00 P.M.	on	1/26/56	to	4:00 P.M.	on	1/26/56	
Max. Peak Outf.	120.	C.F.S. from	NOON	on	1/28/56	to	10:30 A.M.	on	1/29/56	

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
K.A. SHIPLEY	Dam Tender	Gage Hts. copied	JHL FES	
F.E. STUNDEN	Hydrographer	Storage applied	JHL FES	
	Hydrographer	Inf. & Outf. comp.	JHL FES	

REMARKS: (INDICATES AVERAGE FOR PERIOD

76D138N-68B Gb 7-55

Daily Gage Height in feet and Operation Record of SANTA ANITA Dam

In ~~On~~ Santa Anita Canyon for the Year Ending September 30, 1956

Drainage Area 10.8 Square Miles. Capacity of Reservoir 612.9 Ac. Ft. at Spillway Elev. 1316.0 Ft. as of February, 1956 Survey

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

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	1266.6	191.4	3.3	3.0	1250.8	122.2	1.8	2.3	1234.2	65.4	1.1	2.2	1206.0	8.9	1.0	0.5	1
2	1267.0	193.4	3.2	2.5	1250.5	121.1	1.8	2.3	1233.6	63.6	1.1	2.2	1206.9	9.8	1.0	0.5	2
3	1267.2	194.4	3.2	2.5	1250.3	120.3	1.8	2.3	1232.9	61.5	1.2	2.2	1207.7	10.7	1.0	0.5	3
4	1267.4	195.5	3.2	2.5	1250.0	119.2	1.8	2.3	1232.2	59.5	1.2	2.1	1208.5	11.6	1.0	0.6	4
5	1267.6	196.5	3.2	2.5	1249.8	118.4	1.8	2.3	1231.5	57.5	1.2	2.1	1209.2	12.4	1.0	0.6	5
6	1267.9	198.1	3.0	2.5	1249.4	116.9	1.5	2.3	1230.9	55.8	1.2	2.1	1209.9	13.3	1.0	0.6	6
7	1268.0	198.6	2.9	2.5	1248.9	115.0	1.4	2.3	1230.3	54.1	1.2	2.1	1210.4	14.0	1.0	0.6	7
8	1268.2	199.7	2.9	2.5	1248.5	113.6	1.4	2.3	1229.8	52.8	1.2	2.1	1210.9	14.7	0.9	0.6	8
9	1268.3	200.2	2.9	2.5	1247.9	111.3	1.4	2.3	1229.3	51.4	1.2	2.1	1211.5	15.4	0.9	0.6	9
10	1268.4	200.7	2.9	2.5	1247.5	109.8	1.4	2.3	1228.8	50.1	1.2	2.1	1211.9	16.0	0.9	0.6	10
11	1266.6	191.4	2.9	7.6	1247.0	108.0	1.3	2.3	1228.2	48.4	1.2	2.0	1212.3	16.6	0.9	0.6	11
12	1263.9	178.0	3.0	10.0	1246.5	106.2	1.3	2.3	1227.6	46.9	1.2	2.0	1212.7	17.2	0.9	0.6	12
13	1261.0	164.6	3.0	9.9	1246.0	104.4	1.3	2.2	1223.9	37.9	1.5	5.2	1213.1	17.8	0.9	0.6	13
14	1257.9	151.0	3.1	9.8	1245.5	102.6	1.3	2.2	1218.5	26.8	1.9	7.5	1213.4	18.2	0.9	0.6	14
15	1254.8	138.1	3.1	9.6	1244.9	100.4	1.3	2.2	1212.5	16.8	2.1	7.1	1213.7	18.6	0.9	0.6	15
16	1252.4	128.5	3.1	7.7	1244.3	98.4	1.2	2.2	1204.6	7.6	2.1	6.7	1214.0	19.1	0.9	0.6	16
17	1252.6	129.3	2.4	2.3	1243.7	96.3	1.2	2.2	1180±	0	1.8	5.7	1214.2	19.4	0.9	0.7	17
18	1252.6	129.3	2.4	2.3	1243.0	93.9	1.2	2.2		0	1.5	1.5	1214.5	19.9	0.8	0.7	18
19	1252.6	129.3	2.4	2.3	1242.4	91.8	1.2	2.2		0	1.4	1.4	1214.7	20.2	0.8	0.7	19
20	1252.6	129.3	2.4	2.3	1241.8	89.7	1.2	2.2		0	1.3	1.3	1214.9	20.5	0.8	0.7	20
21	1252.6	129.3	2.2	2.3	1241.2	87.8	1.2	2.2		0	1.2	1.2	1215.1	20.9	0.8	0.7	21
22	1252.5	128.9	2.2	2.3	1240.6	85.8	1.2	2.2		0	1.1	1.1	1215.2	21.0	0.8	0.7	22
23	1252.5	128.9	2.2	2.3	1240.0	83.8	1.2	2.2		0	1.0	1.0	1215.4	21.4	0.8	0.7	23
24	1252.4	128.5	2.2	2.3	1239.4	81.8	1.2	2.2	1184.6	0.2	0.9	0.8	1215.5	21.6	0.8	0.6	24
25	1252.3	128.1	2.1	2.3	1238.8	79.9	1.1	2.2	1193.2	1.2	0.9	0.4	1215.6	21.7	0.7	0.6	25
26	1252.1	127.3	1.9	2.3	1238.2	77.9	1.1	2.2	1197.0	2.7	1.0	0.4	1215.7	21.9	0.7	0.6	26
27	1251.9	126.5	1.9	2.3	1237.6	76.0	1.1	2.2	1200.0	4.2	1.0	0.4	1215.9	22.2	0.7	0.6	27
28	1251.6	125.3	1.8	2.3	1236.9	73.8	1.1	2.2	1201.2	5.0	1.0	0.4	1216.0	22.4	0.7	0.6	28
29	1251.4	124.6	1.8	2.3	1236.2	71.6	1.1	2.2	1202.4	5.8	1.0	0.4	1216.1	22.6	0.7	0.6	29
30	1251.1	123.4	1.8	2.3	1235.5	69.4	1.1	2.2	1203.9	7.0	1.0	0.5	1216.2	22.7	0.7	0.6	30
31					1234.8	67.2	1.1	2.2	1205.0	8.0	1.0	0.5					31
TOTAL			78.6	112.3			41.1	69.4			38.9	68.8			25.8	18.4	
Inf. Ac. Ft.			1559				815				772				512	2218.5	
Outf. Ac. Ft.				2227				1377				1365			365	2196.0	
Maximum Mean Daily Inflow			3.3				1.8				2.1				1.0	175.4	
Minimum Mean Daily Inflow			1.8				1.1				0.9				0.7	0.3	
Storage Change		-66.9				-562				-592				+147		+22.7	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1303.5	feet	on	1/27/56	Storage	457.8	Acre Feet	RECORDS COLLECTED BY		
Min. W. S. Elev.		feet	on	OCTOBER	Storage	0	Acre Feet	K.A. SHIPLEY	Dam Tender	
Max. Peak Inf.	569.	C.F.S. from	3:00 P.M.	on	1/26/56	to	4:00 P.M.	on	1/26/56	F.E. STUNDEN	Hydrographer	
Max. Peak Outf.	120.	C.F.S. from	NOON	on	1/28/56	to	10:30 A.M.	on	1/29/56		Hydrographer	

COMPUTATIONS	ckd.	Date
Gage Hts. copied	JHL FES	
Storage applied	JHL FES	
Inf. & Outf. comp.	JHL FES	

REMARKS [INDICATES AVERAGE FOR PERIOD

76D138N-68B Gb 7-55

Daily Gage Height in feet and Operation Record of SANTA ANITA Dam

In ~~On~~ Santa Anita Canyon for the Year Ending September 30, 1957

Drainage Area 10.8 Square Miles. Capacity of Reservoir 612.9 Ac. Ft. at Spillway Elev. 1316.0 Ft. as of February, 1956 Survey

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

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	1216.3	229	0.7	0.6	1223.8	377	0.9	0.6	1232.4	601	0.8	0.4	1246.2	105.1	0.9	0.2	1
2	1216.4	231	0.7	0.6	1224.2	386	0.9	0.6	1232.7	609	0.8	0.4	1246.4	105.8	0.9	0.5	2
3	1216.5	232	0.7	0.6	1224.5	392	0.9	0.6	1232.9	615	0.8	0.4	1246.5	106.2	1.0	0.8	3
4	1216.6	234	0.7	0.6	1224.8	399	1.0	0.6	1233.2	624	0.8	0.4	1246.6	106.6	1.0	0.8	4
5	1216.8	238	0.7	0.6	1222.1	406	1.0	0.5	1233.8	642	1.3	0.4	1247.8	111.0	3.0	0.8	5
6	1216.9	239	0.7	0.6	1225.4	414	0.9	0.5	1234.5	663	1.5	0.4	1248.3	112.8	1.7	0.8	6
7	1217.1	243	0.7	0.6	1225.7	421	0.9	0.5	1235.1	681	1.3	0.4	1248.7	114.3	1.5	0.8	7
8	1217.2	245	0.8	0.6	1226.0	428	0.9	0.5	1235.6	697	1.2	0.4	1249.1	115.8	1.6	0.8	8
9	1217.4	248	0.8	0.6	1226.3	436	0.9	0.5	1236.1	713	1.1	0.3	1249.5	117.3	1.6	0.8	9
10	1217.6	252	0.8	0.6	1226.6	443	0.9	0.5	1236.7	732	1.3	0.3	1250.2	120.0	2.1	0.8	10
11	1217.8	255	0.8	0.6	1226.9	450	0.9	0.5	1237.2	747	0.9	0.2	1250.7	121.9	1.8	0.8	11
12	1218.0	259	0.8	0.6	1227.1	456	0.9	0.5	1237.7	763	1.0	0.2	1252.0	126.9	3.3	0.8	12
13	1218.3	265	0.8	0.6	1227.4	463	0.9	0.5	1238.2	779	1.0	0.2	1261.6	167.3	35.6	15.2	13
14	1218.5	268	0.8	0.6	1227.7	471	0.9	0.5	1238.7	795	1.0	0.2	1259.0	155.7	6.7	12.6	14
15	1218.8	274	0.8	0.6	1228.0	479	0.9	0.5	1239.1	808	0.9	0.2	1255.5	141.0	4.7	12.1	15
16	1219.1	280	0.9	0.6	1223.3	487	0.9	0.5	1239.5	822	0.9	0.2	1251.4	124.6	3.0	11.3	16
17	1219.4	286	0.9	0.6	1228.6	495	0.9	0.5	1239.9	835	0.9	0.2	1250.0	119.2	3.0	5.7	17
18	1219.6	289	0.9	0.6	1228.9	503	0.9	0.5	1240.3	848	0.8	0.2	1249.9	118.8	2.9	3.1	18
19	1220.0	297	0.9	0.6	1229.2	511	0.9	0.5	1240.7	861	0.9	0.2	1249.8	118.4	2.9	3.1	19
20	1220.3	303	0.9	0.6	1229.4	517	0.9	0.5	1241.2	878	1.0	0.2	1249.8	118.4	3.1	3.1	20
21	1220.6	309	0.9	0.6	1229.7	525	0.8	0.5	1241.6	891	0.9	0.2	1249.7	118.1	3.0	3.1	21
22	1220.9	315	0.9	0.5	1229.9	530	0.8	0.5	1242.0	904	0.8	0.2	1249.5	117.3	2.7	3.1	22
23	1221.2	321	0.9	0.5	1230.2	539	0.8	0.5	1242.5	922	1.1	0.2	1249.2	116.2	2.5	3.1	23
24	1221.5	328	0.9	0.5	1230.5	547	0.8	0.5	1242.9	936	0.9	0.2	1249.5	117.3	3.0	2.4	24
25	1221.8	334	0.9	0.5	1230.8	555	0.8	0.5	1243.3	949	0.9	0.2	1250.1	119.6	3.0	1.9	25
26	1222.1	340	0.8	0.5	1231.1	564	0.8	0.4	1243.8	966	1.1	0.2	1251.9	126.5	6.1	2.6	26
27	1222.4	346	0.8	0.5	1231.3	569	0.8	0.4	1244.2	980	0.9	0.2	1253.0	130.9	5.4	3.2	27
28	1222.6	351	0.8	0.5	1231.6	578	0.8	0.4	1244.6	994	0.9	0.2	1253.7	133.7	4.6	3.2	28
29	1222.9	357	0.8	0.6	1231.9	586	0.8	0.4	1245.0	1008	0.9	0.2	1254.7	137.7	5.1	3.1	29
30	1223.2	363	0.8	0.6	1232.1	592	0.7	0.4	1245.4	1022	0.9	0.2	1255.3	140.1	4.4	3.1	30
31	1223.5	370	0.8	0.6					1245.8	1037	0.9	0.2	1255.8	142.2	4.0	3.0	31
TOTAL			25.1	17.9			26.1	14.9			30.4	8.0			126.1	106.7	
Inf. Ac. Ft.			498				518				603				2501	412.0	
Outf. Ac. Ft.				355				296				159			2116	292.6	
Maximum Mean Daily Inflow			0.9				1.0				1.5				35.6	35.6	
Minimum Mean Daily Inflow			0.7				0.7				0.8				0.9	0.7	
Storage Change		+143				+222				+445				+385		+119.5	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1278.5	feet	on	6/17/57	Storage	261.	Acre Feet	RECORDS COLLECTED BY		
Min. W. S. Elev.	1216.2	feet	on	10/1/56	Storage	22.7	Acre Feet	K.A. SHIPLEY	Dam Tender	
Max. Peak Inf.	122.	C.F.S. from	7:00 A.M.	on	2/23/57	to	8:00 A.M.	on	2/23/57	J. HOLLERON	Hydrographer	
Max. Peak Outf.	39.	C.F.S. from	10:30 A.M.	on	1/13/57	to	4:30 P.M.	on	1/13/57		Hydrographer	

COMPUTATIONS	ckd.	Date
Gage Hts. copied	JHL FES	
Storage applied	JHL FES	
Inf. & Outf. comp.	JHL FES	

REMARKS [INDICATES AVERAGE FOR PERIOD

760138N-68B Gb 7-55

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, 1957

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 19 56 Survey 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	1256.2	143.8	3.8	3.0	1256.7	145.9	10.1	2.9	1250.0	119.2	2.5	2.9	1248.1	112.1	1.9	2.7	1
2	1256.5	145.1	3.8	3.1	1258.6	154.0	6.9	2.9	1249.9	118.8	2.8	3.0	1247.6	110.2	1.8	2.7	2
3	1256.8	146.4	3.7	3.1	1260.3	161.4	6.7	2.9	1249.7	118.1	2.6	3.0	1247.2	108.7	1.9	2.7	3
4	1257.0	147.2	3.5	3.1	1261.5	166.8	5.6	2.9	1249.5	117.3	2.6	3.0	1246.8	107.3	2.0	2.7	4
5	1257.1	147.6	3.4	3.2	1262.6	171.9	5.5	2.9	1249.2	116.2	2.5	3.0	1246.3	105.5	1.8	2.7	5
6	1257.1	147.6	3.2	3.2	1263.5	176.1	5.0	2.9	1249.0	115.4	2.6	3.0	1245.8	103.7	1.8	2.7	6
7	1257.1	147.6	3.2	3.2	1264.1	179.0	4.3	2.9	1248.8	114.7	2.6	3.0	1245.3	101.9	1.8	2.7	7
8	1257.2	148.0	3.4	3.2	1264.6	181.4	4.2	2.9	1248.5	113.6	2.5	3.0	1246.0	104.4	2.3	1.0	8
9	1257.2	148.0	3.2	3.2	1266.2	189.3	6.8	2.9	1248.2	112.4	2.4	3.0	1247.2	108.7	2.2	0.1	9
10	1257.1	147.6	2.9	3.1	1267.1	193.9	5.3	2.9	1247.9	111.3	2.4	3.0	1248.4	113.2	2.4	0.1	10
11	1257.0	147.2	2.9	3.1	1267.8	197.6	4.7	2.9	1247.7	110.6	2.7	3.0	1250.1	119.6	3.3	0.1	11
12	1256.9	146.8	2.8	3.0	1268.3	200.2	4.2	2.9	1247.4	109.5	2.4	3.0	1251.6	125.3	3.0	0.1	12
13	1256.8	146.4	2.8	3.0	1268.7	202.3	4.0	2.9	1247.1	108.4	2.5	3.0	1252.6	129.3	2.5	0.5	13
14	1256.6	145.5	2.6	3.0	1269.1	204.4	4.0	2.9	1246.8	107.3	2.4	3.0	1253.5	132.9	2.6	0.8	14
15	1256.3	144.3	2.4	3.0	1269.2	205.0	3.2	2.9	1246.5	106.2	2.3	2.9	1254.4	136.5	2.6	0.8	15
16	1256.0	143.0	2.3	3.0	1269.9	208.8	4.8	2.9	1246.1	104.8	2.2	2.9	1255.1	139.3	2.3	0.8	16
17	1255.7	141.8	2.4	3.0	1270.1	210.0	3.5	2.9	1246.2	105.1	3.1	2.9	1255.8	142.2	2.2	0.8	17
18	1255.4	140.5	2.2	2.9	1267.4	195.5	3.9	11.2	1247.3	109.1	4.9	2.9	1256.4	144.7	2.1	0.8	18
19	1255.1	139.3	2.3	2.9	1262.8	172.8	3.6	15.1	1247.5	109.8	3.2	2.8	1260.4	161.9	9.5	0.8	19
20	1254.7	137.7	2.1	2.9	1257.6	149.7	3.2	14.8	1248.4	113.2	4.5	2.8	1262.1	169.6	4.6	0.8	20
21	1254.3	136.1	2.1	2.9	1251.9	126.5	2.8	14.5	1249.4	116.9	4.6	2.8	1263.6	176.6	4.4	0.8	21
22	1254.0	134.9	2.3	2.9	1249.7	118.1	3.9	8.2	1249.9	118.8	3.7	2.7	1264.9	182.8	3.9	0.8	22
23	1262.6	171.9	26.0	7.3	1250.0	119.2	3.5	2.9	1250.1	119.6	3.1	2.7	1266.0	188.3	3.6	0.8	23
24	1260.1	160.6	8.3	14.0	1252.2	120.0	3.3	2.9	1250.2	120.0	2.9	2.7	1266.9	192.9	3.1	0.8	24
25	1255.9	142.6	5.4	14.5	1250.4	120.7	3.3	2.9	1250.2	120.0	2.7	2.7	1267.7	197.0	2.8	0.8	25
26	1251.2	123.8	4.7	14.2	1250.5	121.1	3.1	2.9	1250.0	119.2	2.3	2.7	1268.4	200.7	2.7	0.8	26
27	1250.2	120.0	4.5	6.4	1250.5	121.1	2.9	2.9	1249.8	118.4	2.3	2.7	1269.0	203.9	2.4	0.8	27
28	1253.2	131.7	8.6	2.7	1250.4	120.7	2.7	2.9	1249.4	116.9	1.9	2.7	1269.7	207.8	2.8	0.8	28
29					1250.4	120.7	2.9	2.9	1249.0	115.4	2.0	2.7	1270.4	211.6	2.7	0.8	29
30					1250.3	120.3	2.7	2.9	1248.5	113.6	1.8	2.7	1271.0	215.0	2.5	0.8	30
31					1250.2	120.0	2.7	2.9					1271.5	217.8	2.2	0.8	31
TOTAL			120.8	126.1			133.3	139.2			83.0	86.2			87.7	35.2	
Inf. Ac. Ft.			239.6				264.4				164.6				174.0	1254.6	
Outf. Ac. Ft.				250.1				276.1				171.0			69.8	1059.6	
Maximum Mean Daily Inflow			26.0				10.1				4.9				9.5	35.6	
Minimum Mean Daily Inflow			2.1				2.7				1.8				1.8	0.7	
Storage Change		-10.5				-11.7				-6.4				+10.2		+195.1	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1278.5	feet	on	6/17/57	Storage	261.	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS ckd. Date
Min. W. S. Elev.	1216.2	feet	on	10/1/56	Storage	22.7	Acre Feet	K.A. SHIPLEY	Dam Tender	Gage Hts. copied JHL FES
Max. Peak Inf.	122.	C.F.S. from	7:00 A.M.	on	2/23/57	to	8:00 A.M.	on	2/23/57	J. HOLLERON	Hydrographer	Storage applied JHL FES
Max. Peak Outf.	39.	C.F.S. from	10:30 A.M.	on	1/13/57	to	4:30 P.M.	on	1/13/57		Hydrographer	Inf. & Outf. comp. JHL FES

REMARKS { INDICATES AVERAGE FOR PERIOD

760138N-68B Gb 7-55

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, 1957

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 19 56 Survey 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	1272.0	220.7	2.3	0.8	1273.6	230.2	1.5	0.9	1272.4	223.1	1.0	1.6	1262.9	173.2	0.6	1.5	1
2	1272.5	223.6	2.2	0.8	1273.8	231.4	1.5	0.9	1272.1	221.3	0.7	1.6	1262.5	171.4	0.6	1.5	2
3	1272.9	226.0	2.0	0.8	1274.0	232.6	1.6	1.0	1271.9	220.1	1.0	1.6	1262.2	170.0	0.7	1.5	3
4	1273.3	228.4	2.0	0.8	1274.2	233.8	1.6	1.0	1271.6	218.4	0.8	1.6	1261.8	168.2	0.7	1.5	4
5	1273.6	230.2	1.8	0.8	1274.3	234.8	1.3	1.0	1271.3	216.7	0.7	1.6	1261.4	166.4	0.7	1.5	5
6	1273.9	232.0	1.7	0.8	1274.4	235.0	1.3	1.0	1271.0	215.0	0.8	1.6	1261.0	164.6	0.6	1.5	6
7	1274.3	234.4	2.0	0.8	1274.5	235.6	1.3	1.0	1270.8	213.9	1.0	1.6	1260.6	162.8	0.6	1.5	7
8	1274.7	236.9	2.0	0.8	1274.7	236.9	1.7	1.0	1270.5	212.2	0.8	1.6	1260.2	161.0	0.6	1.5	8
9	1275.2	239.9	2.3	0.8	1274.8	237.5	1.3	1.0	1270.2	210.5	0.7	1.6	1259.8	159.2	0.6	1.5	9
10	1275.9	244.3	3.2	0.9	1274.8	237.5	1.0	1.0	1269.9	208.8	0.7	1.6	1259.4	157.5	0.6	1.5	10
11	1276.4	247.5	2.5	0.9	1274.9	238.1	1.3	1.0	1269.7	207.8	1.1	1.6	1259.0	155.7	0.6	1.5	11
12	1276.7	249.4	1.8	0.9	1275.0	238.7	1.3	1.0	1269.4	206.1	0.8	1.6	1258.6	154.0	0.6	1.5	12
13	1277.1	252.0	2.2	0.9	1275.1	239.3	1.3	1.0	1269.1	204.4	0.7	1.6	1258.2	152.3	0.6	1.5	13
14	1277.5	254.6	2.3	0.9	1275.1	239.3	1.0	1.0	1268.8	202.8	0.8	1.6	1257.8	150.6	0.7	1.5	14
15	1278.0	257.8	2.5	0.9	1275.2	239.9	1.3	1.0	1268.5	201.2	0.8	1.6	1257.4	148.9	0.7	1.5	15
16	1278.4	260.5	2.2	0.9	1275.3	240.6	1.3	1.0	1268.2	199.7	0.8	1.6	1257.0	147.2	0.7	1.5	16
17	1276.3	246.8	1.8	8.7	1275.3	240.6	1.0	1.0	1268.0	198.6	1.1	1.6	1256.6	145.5	0.7	1.5	17
18	1272.9	226.0	2.0	12.5	1275.3	240.6	1.0	1.0	1267.7	197.0	0.8	1.6	1256.2	143.8	0.7	1.5	18
19	1271.6	218.4	2.3	6.1	1275.2	239.9	1.1	1.4	1267.4	195.5	0.8	1.6	1255.9	142.6	0.7	1.5	19
20	1271.7	219.0	1.9	1.6	1275.0	238.7	1.1	1.7	1267.1	193.9	0.7	1.5	1255.5	141.0	0.7	1.5	20
21	1271.8	219.6	1.9	1.6	1274.8	237.5	1.1	1.7	1266.8	192.4	0.8	1.5	1255.1	139.3	0.7	1.5	21
22	1271.9	220.1	1.9	1.6	1274.6	236.3	1.1	1.7	1266.5	190.8	0.7	1.5	1254.7	137.7	0.7	1.5	22
23	1272.0	220.7	1.9	1.6	1274.4	235.0	1.0	1.7	1266.1	188.8	0.5	1.5	1254.3	136.1	0.7	1.5	23
24	1272.1	221.3	1.9	1.6	1274.2	233.8	1.1	1.7	1265.8	187.3	0.7	1.5	1253.9	134.5	0.7	1.5	24
25	1272.3	222.5	1.8	1.2	1274.0	232.6	1.1	1.7	1265.5	185.8	0.7	1.5	1253.6	133.3	0.8	1.5	25
26	1272.5	223.6	1.6	0.9	1273.8	231.4	1.1	1.7	1265.1	183.8	0.5	1.5	1253.2	131.7	0.8	1.5	26
27	1272.7	224.8	1.6	0.9	1273.6	230.2	1.1	1.7	1264.8	182.3	0.8	1.5	1252.8	130.1	0.7	1.5	27
28	1272.9	226.0	1.5	0.9	1273.4	229.0	1.1	1.7	1264.4	180.4	0.5	1.5	1252.5	128.9	0.8	1.5	28
29	1273.1	227.2	1.5	0.9	1273.1	227.2	0.8	1.7	1264.0	178.5	0.6	1.5	1252.1	127.3	0.8	1.5	29
30	1273.4	229.0	1.5	0.9	1272.9	226.0	1.1	1.7	1263.6	176.6	0.5	1.5	1251.8	126.1	0.8	1.5	30
31					1272.6	224.2	0.8	1.7	1263.2	174.7	0.5	1.5					31
TOTAL			60.1	54.5			37.2	39.6			23.4	48.4			20.5	45.0	
Inf. Ac. Ft.			119.2				73.8				46.4				40.7	1534.7	
Outf. Ac. Ft.				108.1				78.5				96.0			89.2	1431.4	
Maximum Mean Daily Inflow			3.2				1.6				1.1				0.8	35.6	
Minimum Mean Daily Inflow			1.5				0.8				0.5				0.6	0.5	
Storage Change		+11.2				-4.8				-4.9.5				-4.8.6		+103.4	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1278.5	feet	on	6/17/57	Storage	261.	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS ckd. Date
Min. W. S. Elev.	1216.2	feet	on	10/1/56	Storage	22.7	Acre Feet	K.A. SHIPLEY	Dam Tender	Gage Hts. copied FES
Max. Peak Inf.	122.	C.F.S. from	7:00 A.M.	on	2/23/57	to	8:00 A.M.	on	2/23/57	J. HOLLERON	Hydrographer	Storage applied FES
Max. Peak Outf.	39.	C.F.S. from	10:30 A.M.	on	1/13/57	to	4:30 P.M.	on	1/13/57		Hydrographer	Inf. & Outf. comp. FES

REMARKS { INDICATES AVERAGE FOR PERIOD

76D138N-68B Gb 7-55

Daily Gage Height in feet and Operation Record of SAWPIT Dam

In ~~Oo~~ Sawpit Canyon for the Year Ending September 30, 19 56

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder Au

Drainage Area 3.34 Square Miles. Capacity of Reservoir 3044.9 Ac. Ft. at Spillway Elev. 1360.0 Ft. as of March 1954 Survey Gage Heights Read daily

Day	October Gage Height	Oct. Acre Ft. Storage	Oct. C.F.S. Inflow	Oct. C.F.S. Outflow	November Gage Height	Nov. Acre Ft. Storage	Nov. C.F.S. Inflow	Nov. C.F.S. Outflow	December Gage Height	Dec. Acre Ft. Storage	Dec. C.F.S. Inflow	Dec. C.F.S. Outflow	January Gage Height	Jan. Acre Ft. Storage	Jan. C.F.S. Inflow	Jan. C.F.S. Outflow	Day
1	1309.8	420	0	0	1309.9	422	0.01	0	1309.9	422	0.03	0.03	1309.9	422	0.08	0.07	1
2	1309.8	420	0	0	1309.9	422	0.01	0	1309.9	422	0.03	0.03	1309.9	422	0.08	0.07	2
3	1309.8	420	0	0	1309.9	422	0.01	0	1309.9	422	0.03	0.03	1309.9	422	0.08	0.07	3
4	1309.8	420	0	0	1309.9	422	0.01	0	1309.9	422	0.03	0.03	1309.9	422	0.08	0.07	4
5	1309.8	420	0	0	1309.9	422	0.01	0	1309.9	422	0.03	0.03	1309.9	422	0.08	0.07	5
6	1309.8	420	0	0	1309.9	422	0.01	0	1309.9	422	0.04	0.03	1309.9	422	0.08	0.07	6
7	1309.8	420	0	0	1309.9	422	0.01	0	1309.9	422	0.04	0.03	1309.9	422	0.08	0.07	7
8	1309.8	420	0	0	1309.9	422	0.01	0	1309.9	422	0.04	0.03	1309.9	422	0.08	0.07	8
9	1309.8	420	0	0	1309.9	422	0.01	0	1309.9	422	0.04	0.03	1309.9	422	0.08	0.07	9
10	1309.8	420	0	0	1309.9	422	0.01	0	1309.9	422	0.04	0.03	1309.9	422	0.08	0.07	10
11	1309.8	420	0	0	1309.9	422	0.01	0	1309.9	422	0.04	0.03	1309.9	422	0.1	0.1	11
12	1309.8	420	0.01	0	1309.9	422	0.01	0	1309.9	422	0.04	0.03	1309.9	422	0.1	0.1	12
13	1309.8	420	0.01	0	1309.9	422	0.05	0.05	1309.9	422	0.04	0.03	1309.9	422	0.1	0.1	13
14	1309.8	420	0.01	0	1309.9	422	0.04	0.04	1309.9	422	0.04	0.03	1309.9	422	0.1	0.1	14
15	1309.8	420	0.01	0	1309.9	422	0.03	0.03	1309.9	422	0.04	0.03	1309.9	422	0.1	0.1	15
16	1309.8	420	0.01	0	1309.9	422	0.03	0.03	1309.9	422	0.05	0.05	1309.9	422	0.1	0.1	16
17	1309.8	420	0.01	0	1309.9	422	0.03	0.03	1309.9	422	0.05	0.05	1309.9	422	0.1	0.1	17
18	1309.8	420	0.01	0	1309.9	422	0.03	0.03	1309.9	422	0.05	0.05	1309.9	422	0.1	0.1	18
19	1309.8	420	0.01	0	1309.9	422	0.03	0.03	1309.9	422	0.05	0.05	1309.9	422	0.1	0.1	19
20	1309.8	420	0.01	0	1309.9	422	0.03	0.03	1309.9	422	0.05	0.05	1309.9	422	0.1	0.1	20
21	1309.8	420	0.01	0	1309.9	422	0.05	0.05	1309.9	422	0.05	0.05	1309.9	422	0.1	0.1	21
22	1309.8	420	0.01	0	1309.9	422	0.04	0.04	1309.9	422	0.05	0.05	1309.9	422	0.1	0.1	22
23	1309.8	420	0.01	0	1309.9	422	0.03	0.03	1309.9	422	0.05	0.05	1309.9	422	0.1	0.1	23
24	1309.8	420	0.01	0	1309.9	422	0.03	0.03	1309.9	422	0.07	0.07	1309.9	422	0.1	0.1	24
25	1309.8	420	0.01	0	1309.9	422	0.03	0.03	1309.9	422	0.07	0.07	1310.0	424	0.2	0.1	25
26	1309.8	420	0.01	0	1309.9	422	0.03	0.03	1309.9	422	0.07	0.07	1320.8	741	36.6	20.6	26
27	1309.8	420	0.01	0	1309.9	422	0.03	0.03	1309.9	422	0.07	0.07	1310.4	433	7.9	23.4	27
28	1309.9	422	0.01	0	1309.9	422	0.03	0.03	1309.9	422	0.07	0.07	1310.2	429	4.9	5.1	28
29	1309.9	422	0.01	0	1309.9	422	0.03	0.03	1309.9	422	0.07	0.07	1310.2	429	2.5	2.5	29
30	1309.9	422	0.01	0	1309.9	422	0.03	0.03	1309.9	422	0.07	0.07	1310.2	429	1.6	1.6	30
31	1309.9	422	0.01	0					1309.9	422	0.07	0.07	1310.1	426	0.8	1.0	31
TOTAL			0.20	0			0.72	0.60			1.51	1.41			5.67	5.64	
Inf. Ac. Ft.			0.4				1.4				3.0				11.25	11.7.3	
Outf. Ac. Ft.			0 + (0.2)				1.2 + (0.2)				2.8 + (0.2)				111.9 + (0.2)	(115.9 + (0.8)	
Maximum Mean Daily Inflow			0.01				0.05				0.07				36.6	36.6	
Minimum Mean Daily Inflow			0				0.01				0.03				0.08	0.01	
Storage Change			+0.2			0				0				+0.4		+0.6	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1321.9	feet	on	1/26/56	Storage	78.1	Acre Feet		
Min. W. S. Elev.	1303.4	feet	on	7/17/56	Storage	29.0	Acre Feet		
Max. Peak Inf.	148.	C.F.S. from	3:00 P.M.	on	1/26/56	to	4:00 P.M.	on	1/26/56
Max. Peak Outf.	35.	C.F.S. from	5:00 P.M.	on	1/26/56	to	8:00 P.M.	on	1/26/56
REMARKS	( ) INDICATES EVAPORATION LOSSES								

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
F.D. KELLY	Dam Tender	Gage Hts. copied	JHL	HRW
F.E. STUNDEN	Hydrographer	Storage applied	JHL	HRW
	Hydrographer	Inf. & Outf. comp.	JHL	HRW

76D138N-68B Gb 7-55

Daily Gage Height in feet and Operation Record of SAWPIT Dam

In ~~Oo~~ Sawpit Canyon for the Year Ending September 30, 19 56

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder Au

Drainage Area 3.34 Square Miles. Capacity of Reservoir 3044.9 Ac. Ft. at Spillway Elev. 1360.0 Ft. as of March 1954 Survey Gage Heights Read daily

Day	February Gage Height	Feb. Acre Ft. Storage	Feb. C.F.S. Inflow	Feb. C.F.S. Outflow	March Gage Height	Mar. Acre Ft. Storage	Mar. C.F.S. Inflow	Mar. C.F.S. Outflow	April Gage Height	Apr. Acre Ft. Storage	Apr. C.F.S. Inflow	Apr. C.F.S. Outflow	May Gage Height	May Acre Ft. Storage	May C.F.S. Inflow	May C.F.S. Outflow	Day
1	1310.1	426	0.8	0.8	1310.0	424	0.3	0.3	1310.0	424	0.3	0.2	1310.0	424	0.3	0.3	1
2	1310.1	426	0.7	0.7	1310.0	424	0.3	0.3	1310.0	424	0.2	0.2	1310.0	424	0.3	0.3	2
3	1310.1	426	0.7	0.7	1310.0	424	0.3	0.3	1310.0	424	0.2	0.2	1310.0	424	0.2	0.2	3
4	1310.1	426	0.4	0.4	1310.0	424	0.3	0.3	1310.0	424	0.2	0.2	1310.0	424	0.2	0.2	4
5	1310.1	426	0.4	0.4	1310.0	424	0.3	0.3	1310.0	424	0.2	0.2	1310.0	424	0.2	0.2	5
6	1310.1	426	0.3	0.3	1310.0	424	0.3	0.3	1310.0	424	0.2	0.2	1310.0	424	0.2	0.2	6
7	1310.1	426	0.3	0.3	1310.0	424	0.3	0.3	1310.0	424	0.2	0.2	1310.0	424	0.2	0.2	7
8	1310.1	426	0.2	0.2	1310.0	424	0.3	0.3	1310.0	424	0.2	0.2	1310.0	424	0.2	0.2	8
9	1310.1	426	0.2	0.2	1310.0	424	0.3	0.3	1310.0	424	0.2	0.2	1310.0	424	0.5	0.4	9
10	1310.1	426	0.2	0.2	1310.0	424	0.3	0.3	1310.0	424	0.2	0.2	1310.0	424	0.3	0.3	10
11	1310.0	424	0.2	0.2	1310.0	424	0.3	0.3	1310.0	424	0.2	0.2	1310.0	424	0.3	0.3	11
12	1310.0	424	0.2	0.2	1310.0	424	0.3	0.3	1310.0	424	0.3	0.3	1310.0	424	0.3	0.3	12
13	1310.0	424	0.2	0.2	1310.0	424	0.3	0.3	1310.0	424	0.3	0.3	1310.0	424	0.3	0.3	13
14	1310.0	424	0.2	0.2	1310.0	424	0.3	0.3	1310.0	424	0.3	0.3	1310.0	424	0.3	0.3	14
15	1310.0	424	0.2	0.2	1310.0	424	0.3	0.3	1310.0	424	0.3	0.3	1310.0	424	0.3	0.3	15
16	1310.0	424	0.2	0.2	1310.0	424	0.3	0.3	1310.0	424	0.3	0.3	1310.0	424	0.3	0.3	16
17	1310.0	424	0.2	0.2	1310.0	424	0.3	0.3	1310.0	424	0.3	0.3	1310.0	424	0.3	0.3	17
18	1310.0	424	0.2	0.2	1310.0	424	0.3	0.3	1310.0	424	0.3	0.3	1310.0	424	0.3	0.3	18
19	1310.0	424	0.2	0.2	1310.0	424	0.3	0.3	1310.0	424	0.3	0.3	1310.0	424	0.3	0.3	19
20	1310.0	424	0.2	0.2	1310.0	424	0.3	0.3	1310.0	424	0.3	0.3	1310.0	424	0.2	0.2	20
21	1310.0	424	0.2	0.2	1310.0	424	0.3	0.3	1310.0	424	0.3	0.3	1310.0	424	0.2	0.2	21
22	1310.0	424	0.2	0.2	1310.0	424	0.3	0.3	1310.0	424	0.3	0.3	1310.0	424	0.2	0.2	22
23	1310.0	424	0.2	0.2	1310.0	424	0.3	0.3	1310.0	424	0.3	0.3	1310.0	424	0.2	0.2	23
24	1310.1	426	0.3	0.3	1310.0	424	0.3	0.3	1310.0	424	0.3	0.3	1310.0	424	0.2	0.2	24
25	1310.1	426	0.4	0.4	1310.0	424	0.3	0.3	1310.0	424	0.3	0.3	1310.0	424	0.2	0.2	25
26	1310.1	426	0.4	0.4	1310.0	424	0.3	0.3	1310.0	424	0.4	0.4	1310.0	424	0.2	0.2	26
27	1310.0	424	0.3	0.3	1310.0	424	0.3	0.3	1310.0	424	0.3	0.3	1310.0	424	0.2	0.2	27
28	1310.0	424	0.3	0.3	1310.0	424	0.3	0.3	1310.0	424	0.3	0.3	1310.0	424	0.2	0.2	28
29	1310.0	424	0.3	0.3	1310.0	424	0.3	0.3	1310.0	424	0.3	0.3	1310.0	424	0.2	0.2	29
30					1310.0	424	0.3	0.3	1310.0	424	0.3	0.3	1310.0	424	0.2	0.2	30
31					1310.0	424	0.3	0.2					1310.0	424	0.2	0.2	31
TOTAL			8.9	8.8			9.3	9.2			8.1	8.0			7.7	7.6	
Inf. Ac. Ft.			17.7				18.4				16.1				15.3	18.4.8	
Outf. Ac. Ft.			17.5 + (0.2)				18.2 + (0.2)				15.9 + (0.2)				15.1 + (0.2)	182.6 + (1.6)	
Maximum Mean Daily Inflow			0.8				0.3				0.4				0.5	36.6	
Minimum Mean Daily Inflow			0.2				0.3				0.2				0.2	0.01	
Storage Change		- 0.2				0				0				0		+ 0.4	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1321.9	feet	on	1/26/56	Storage	78.1	Acre Feet		
Min. W. S. Elev.	1303.4	feet	on	7/17/56	Storage	29.0	Acre Feet		
Max. Peak Inf.	148.	C.F.S. from	3:00 P.M.	on	1/26/56	to	4:00 P.M.	on	1/26/56
Max. Peak Outf.	35.	C.F.S. from	5:00 P.M.	on	1/26/56	to	8:00 P.M.	on	1/26/56
REMARKS	( ) INDICATES EVAPORATION LOSSES								

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
F.D. KELLY	Dam Tender	Gage Hts. copied	JHL	HRW
F.E. STUNDEN	Hydrographer	Storage applied	JHL	HRW
	Hydrographer	Inf. & Outf. comp.	JHL	HRW

76D138N-68B Gb 7-55

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAWPIT Dam

In ~~On~~ Sawpit Canyon for the Year Ending September 30, 1956

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 1954 Survey 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	1310.0	424	0.2	0.2	1310.0	424	0.1	0.1	1304.9	319	0.04	0	1305.7	335	0.01	0	1
2	1310.0	424	0.2	0.2	1310.0	424	0.1	0.1	1305.0	321	0.04	0	1305.7	335	0.01	0	2
3	1310.0	424	0.2	0.2	1310.0	424	0.1	0.1	1305.0	321	0.04	0	1305.7	335	0.01	0	3
4	1310.0	424	0.2	0.2	1310.0	424	0.1	0.1	1305.0	321	0.03	0	1305.7	335	0.01	0	4
5	1310.0	424	0.2	0.2	1310.0	424	0.1	0.1	1305.0	321	0.03	0	1305.7	335	0.01	0	5
6	1310.0	424	0.2	0.2	1310.0	424	0.1	0.1	1305.0	321	0.03	0	1305.7	335	0.01	0	6
7	1310.0	424	0.2	0.2	1310.0	424	0.1	0.1	1305.1	323	0.03	0	1305.7	335	0.01	0	7
8	1310.0	424	0.2	0.2	1310.0	424	0.1	0.1	1305.1	323	0.03	0	1305.7	335	0.01	0	8
9	1310.0	424	0.2	0.2	1310.0	424	0.1	0.1	1305.2	325	0.03	0	1305.7	335	0.01	0	9
10	1310.0	424	0.2	0.2	1310.0	424	0.1	0.1	1305.2	325	0.03	0	1305.7	335	0.01	0	10
11	1310.0	424	0.2	0.2	1310.0	424	0.1	0.1	1305.3	327	0.03	0	1305.7	335		0	11
12	1310.0	424	0.2	0.2	1310.0	424	0.1	0.1	1305.3	327	0.03	0	1305.7	335		0	12
13	1310.0	424	0.2	0.2	1310.0	424	0.1	0.1	1305.3	327	0.03	0	1305.7	335		0	13
14	1310.0	424	0.2	0.2	1310.0	424	0.1	0.1	1305.4	329	0.03	0	1305.7	335		0	14
15	1310.0	424	0.2	0.2	1310.0	424	0.1	0.1	1305.4	329	0.03	0	1305.7	335		0	15
16	1310.0	424	0.2	0.2	1307.4	369	0.1	2.8	1305.4	329	0.02	0	1305.7	335		0	16
17	1310.0	424	0.2	0.2	1303.7	295	0.1	3.9	1305.4	329	0.02	0	1305.7	335		0	17
18	1310.0	424	0.2	0.2	1303.9	299	0.2	0	1305.4	329	0.02	0	1305.7	335		0	18
19	1310.0	424	0.2	0.2	1304.1	303	0.2	0	1305.4	329	0.02	0	1305.7	335		0	19
20	1310.0	424	0.2	0.2	1304.2	305	0.1	0	1305.5	331	0.02	0	1305.7	335		0	20
21	1310.0	424	0.2	0.2	1304.4	309	0.1	0	1305.5	331	0.02	0	1305.7	335		0	21
22	1310.0	424	0.2	0.2	1304.4	309	0.1	0	1305.5	331	0.02	0	1305.6	333		0	22
23	1310.0	424	0.2	0.2	1304.5	311	0.1	0	1305.5	331	0.02	0	1305.6	333		0	23
24	1310.0	424	0.2	0.2	1304.5	311	0.1	0	1305.5	331	0.02	0	1305.6	333		0	24
25	1310.0	424	0.2	0.2	1304.6	313	0.1	0	1305.5	331	0.02	0	1305.6	333		0	25
26	1310.0	424	0.2	0.2	1304.6	313	0.05	0	1305.6	333	0.02	0	1305.6	333		0	26
27	1310.0	424	0.2	0.1	1304.7	315	0.05	0	1305.6	333	0.02	0	1305.6	333		0	27
28	1310.0	424	0.1	0.1	1304.8	317	0.05	0	1305.6	333	0.02	0	1305.6	333		0	28
29	1310.0	424	0.1	0.1	1304.8	317	0.05	0	1305.6	333	0.02	0	1305.6	333		0	29
30	1310.0	424	0.1	0.1	1304.9	319	0.05	0	1305.6	333	0.02	0	1305.6	333		0	30
31					1304.9	319	0.05	0	1305.6	333	0.02	0					31
TOTAL			5.7	5.6			3.0	8.2			0.80	0			0.10	0	
Inf. Ac. Ft.			11.3				6.0				1.6				0.2	203.9	
Outf. Ac. Ft.			11.1 + (0.2)				16.3 + (0.2)				0 + (0.2)				0 + (0.2)	210.0 + (2.4)	
Maximum Mean Daily Inflow			0.2				0.2				0.04				0.01	36.6	
Minimum Mean Daily Inflow			0.1				0.05				0.02				0	+	
Storage Change	0					-10.5				+1.4			0			- 8.7	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1321.9	feet	on	1/26/56	Storage	78.1	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1303.4	feet	on	7/17/56	Storage	29.0	Acre Feet	F.D. KELLY	Dam Tender	Gage Hts. copied	JHL	HRW
Max. Peak Inf.	148.	C.F.S. from	3:00 P.M.	on	1/26/56	to	4:00 P.M. on	1/26/56	F.E. STUNDEN	Hydrographer	Storage applied	JHL	HRW
Max. Peak Outf.	35.	C.F.S. from	5:00 P.M.	on	1/26/56	to	8:00 P.M. on	1/26/56		Hydrographer	Inf. & Outf. comp.	JHL	HRW

REMARKS () INDICATES EVAPORATION
{ INDICATES AVERAGE FOR PERIOD

76D138N-68B Gb 7-55

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAWPIT Dam

In ~~On~~ Sawpit Canyon for the Year Ending September 30, 1957

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 1954 Survey 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	1305.6	333		0	1305.3	327		0	1305.0	321		0	1305.0	321	0.01	0	1
2	1305.6	333		0	1305.3	327		0	1305.0	321		0	1305.0	321	0.01	0	2
3	1305.6	333		0	1305.3	327		0	1305.0	321		0	1305.0	321	0.01	0	3
4	1305.6	333		0	1305.3	327		0	1305.0	321		0	1305.0	321	0.01	0	4
5	1305.6	333		0	1305.3	327		0	1305.1	323	0.1	0	1305.0	321	0.01	0	5
6	1305.6	333		0	1305.3	327		0	1305.1	323		0	1305.0	321	0.01	0	6
7	1305.6	333		0	1305.2	325		0	1305.1	323		0	1305.0	321	0.01	0	7
8	1305.6	333		0	1305.2	325		0	1305.1	323		0	1305.0	321	0.01	0	8
9	1305.6	333		0	1305.2	325		0	1305.1	323		0	1305.0	321	0.02	0	9
10	1305.6	333		0	1305.2	325		0	1305.1	323		0	1305.1	323	0.1	0	10
11	1305.6	333		0	1305.2	325		0	1305.1	323		0	1305.1	323	0.1	0	11
12	1305.6	333		0	1305.2	325		0	1305.1	323		0	1305.3	327	0.1	0	12
13	1305.6	333		0	1305.2	325		0	1305.1	323		0	1306.1	343	0.8	0	13
14	1305.5	331		0	1305.2	325		0	1305.1	323		0	1306.7	355	0.6	0	14
15	1305.5	331	NEGLIGIBLE	0	1305.2	325	NEGLIGIBLE	0	1305.1	323		0	1307.1	363	0.4	0	15
16	1305.5	331		0	1305.2	325		0	1305.1	323		0	1307.4	369	0.4	0	16
17	1305.5	331		0	1305.1	323		0	1305.0	321		0	1307.7	375	0.3	0	17
18	1305.5	331		0	1305.1	323		0	1305.0	321		0	1307.9	379	0.2	0	18
19	1305.5	331		0	1305.1	323		0	1305.0	321		0	1308.1	383	0.2	0	19
20	1305.5	331		0	1305.1	323		0	1305.0	321		0	1308.3	387	0.2	0	20
21	1305.5	331		0	1305.1	323		0	1305.0	321		0	1308.4	389	0.2	0	21
22	1305.5	331		0	1305.1	323		0	1305.0	321		0	1308.6	394	0.2	0	22
23	1305.5	329		0	1305.1	323		0	1305.0	321		0	1308.7	396	0.2	0	23
24	1305.4	329		0	1305.1	323		0	1305.0	321		0	1308.9	400	0.2	0	24
25	1305.4	329		0	1305.1	323		0	1305.0	321		0	1309.0	402	0.2	0	25
26	1305.4	329		0	1305.1	323		0	1305.0	321		0	1309.2	406	0.2	0	26
27	1305.4	329		0	1305.1	323		0	1305.0	321		0	1309.4	411	0.1	0	27
28	1305.4	329		0	1305.1	323		0	1305.0	321	LESS THAN 0.01 CFS	0	1309.5	413	0.1	0	28
29	1305.4	329		0	1305.1	323		0	1305.0	321		0	1309.8	420	0.4	0	29
30	1305.4	329		0	1305.0	321		0	1305.0	321		0	1310.0	424	0.2	0	30
31	1305.4	329		0					1305.0	321		0	1310.0	424	0.2	0.2	31
TOTAL			0	0			0	0			0.3	0			5.7	0.2	
Inf. Ac. Ft.			0				0				0.6				11.3	-	11.9
Outf. Ac. Ft.			0 + (0.4)				0 + (0.8)				0 + (0.6)				0.4 + (0.6)	0.4 + (2.4)	0.8
Maximum Mean Daily Inflow			0				0				0.1				0.8	0.8	
Minimum Mean Daily Inflow			0				0				0				0.01	0	
Storage Change	-0.4					-0.8				0			+10.3			+ 9.1	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1310.3	feet	on	2/23/57	Storage	43.1	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1305.0	feet	on	12/17 TO 1/9	Storage	32.1	Acre Feet	F.D. KELLY	Dam Tender	Gage Hts. copied	JHL	FES
Max. Peak Inf.	8.1	C.F.S. from	7:30 A.M.	on	2/23/57	to	8:00 A.M. on	2/23/57	J. HOLLERON	Hydrographer	Storage applied	JHL	FES
Max. Peak Outf.	3.3	C.F.S. from	7:30 A.M.	on	2/23/57	to	8:15 A.M. on	2/23/57		Hydrographer	Inf. & Outf. comp.	JHL	FES

REMARKS { INDICATES AVERAGE FOR PERIOD
() INDICATES EVAPORATION LOSSES

76D138N-688 Gb 7-55

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, 1957

Drainage Area 3.34 Square Miles. Capacity of Reservoir 304.9 Ac. Ft. at Spillway Elev. 1360.0 Ft. as of March 1954 Survey

Continuous Water Stage Recorder AU

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	1310.0	42.4	0.2	0.2	1310.0	42.4	0.4	0.4	1310.0	42.4	0.3	0.3	1310.0	42.4	0.2	0.2	1
2	1310.0	42.4	0.2	0.2	1310.0	42.4	0.4	0.4	1310.0	42.4	0.3	0.3	1310.0	42.4	0.2	0.2	2
3	1310.0	42.4	0.2	0.2	1310.0	42.4	0.4	0.4	1310.0	42.4	0.3	0.3	1310.0	42.4	0.2	0.2	3
4	1310.0	42.4	0.2	0.2	1310.0	42.4	0.3	0.3	1310.0	42.4	0.3	0.3	1310.0	42.4	0.2	0.2	4
5	1310.0	42.4	0.2	0.2	1310.0	42.4	0.3	0.3	1310.0	42.4	0.3	0.3	1310.0	42.4	0.2	0.2	5
6	1310.0	42.4	0.2	0.2	1310.0	42.4	0.3	0.2	1310.0	42.4	0.3	0.3	1310.0	42.4	0.2	0.2	6
7	1310.0	42.4	0.2	0.2	1310.0	42.4	0.2	0.2	1310.0	42.4	0.3	0.2	1310.0	42.4	0.2	0.1	7
8	1310.0	42.4	0.2	0.2	1310.0	42.4	0.2	0.2	1310.0	42.4	0.2	0.2	1310.0	42.4	0.2	0.2	8
9	1310.0	42.4	0.2	0.2	1310.0	42.4	0.4	0.4	1310.0	42.4	0.2	0.2	1310.0	42.4	0.2	0.2	9
10	1310.0	42.4	0.2	0.2	1310.0	42.4	0.4	0.4	1310.0	42.4	0.2	0.2	1310.0	42.4	0.2	0.2	10
11	1310.0	42.4	0.2	0.1	1310.0	42.4	0.4	0.4	1310.0	42.4	0.2	0.2	1310.0	42.4	0.2	0.2	11
12	1310.0	42.4	0.1	0.1	1310.0	42.4	0.4	0.4	1310.0	42.4	0.2	0.2	1310.0	42.4	0.2	0.2	12
13	1310.0	42.4	0.1	0.1	1310.0	42.4	0.4	0.4	1310.0	42.4	0.2	0.2	1310.0	42.4	0.2	0.2	13
14	1310.0	42.4	0.1	0.1	1310.0	42.4	0.4	0.4	1310.0	42.4	0.2	0.2	1310.0	42.4	0.2	0.2	14
15	1310.0	42.4	0.1	0.1	1310.0	42.4	0.4	0.4	1310.0	42.4	0.2	0.2	1310.0	42.4	0.2	0.2	15
16	1310.0	42.4	0.1	0.1	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	0.2	0.1	1310.0	42.4	0.5	0.4	1310.0	42.4	0.3	0.2	1310.0	42.4	0.2	0.1	17
18	1310.0	42.4	0.2	0.2	1310.0	42.4	0.4	0.4	1310.0	42.4	0.3	0.3	1310.0	42.4	0.2	0.2	18
19	1310.0	42.4	0.2	0.2	1310.0	42.4	0.4	0.3	1310.0	42.4	0.2	0.2	1310.0	42.4	0.2	0.2	19
20	1310.0	42.4	0.2	0.2	1310.0	42.4	0.3	0.3	1310.0	42.4	0.3	0.3	1310.0	42.4	0.2	0.2	20
21	1310.0	42.4	0.2	0.2	1310.0	42.4	0.3	0.3	1310.0	42.4	0.3	0.3	1310.0	42.4	0.2	0.2	21
22	1310.0	42.4	0.2	0.2	1310.0	42.4	0.3	0.3	1310.0	42.4	0.3	0.2	1310.0	42.4	0.2	0.1	22
23	1310.1	42.6	0.8	0.7	1310.0	42.4	0.3	0.3	1310.0	42.4	0.2	0.2	1310.0	42.4	0.2	0.2	23
24	1310.1	42.6	0.5	0.5	1310.0	42.4	0.3	0.3	1310.0	42.4	0.2	0.2	1310.0	42.4	0.2	0.2	24
25	1310.1	42.6	0.6	0.6	1310.0	42.4	0.3	0.3	1310.0	42.4	0.2	0.2	1310.0	42.4	0.2	0.2	25
26	1310.1	42.6	0.4	0.4	1310.0	42.4	0.3	0.3	1310.0	42.4	0.2	0.2	1310.0	42.4	0.2	0.2	26
27	1310.0	42.4	0.3	0.3	1310.0	42.4	0.3	0.3	1310.0	42.4	0.2	0.2	1310.0	42.4	0.2	0.2	27
28	1310.0	42.4	0.4	0.4	1310.0	42.4	0.3	0.3	1310.0	42.4	0.2	0.2	1310.0	42.4	0.2	0.2	28
29					1310.0	42.4	0.3	0.3	1310.0	42.4	0.2	0.2	1310.0	42.4	0.2	0.2	29
30					1310.0	42.4	0.3	0.3	1310.0	42.4	0.2	0.2	1310.0	42.4	0.2	0.2	30
31					1310.0	42.4	0.3	0.3					1310.0	42.4	0.2	0.2	31
TOTAL			6.9	6.6			10.7	10.4			7.2	6.9			6.2	5.9	
Inf. Ac. Ft.			13.7				21.2				14.3				12.3	73.4	
Outf. Ac. Ft.			13.1 + (0.6)				20.6 + (0.6)				13.7 + (0.6)				11.7 + (0.6)	59.5 + (4.8)	
Maximum Mean Daily Inflow			0.8				0.5				0.3				0.2	0.8	
Minimum Mean Daily Inflow			0.1				0.2				0.2				0.2	0	
Storage Change	0					0				0			0			+9.1	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1310.3	feet	on	2/23/57	Storage	43.1	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1305.0	feet	on	12/17 TO 1/19	Storage	32.1	Acre Feet	F.D. KELLY	Dam Tender	Gage Hts. copied	JHL FES	
Max. Peak Inf.	8.1	C.F.S. from	7:30 A.M.	on 2/23/57	to	8:00 A.M.	on 2/23/57	J. HOLLERON	Hydrographer	Storage applied	JHL FES	
Max. Peak Outf.	8.3	C.F.S. from	7:30 A.M.	on 2/23/57	to	8:15 A.M.	on 2/23/57		Hydrographer	Inf. & Outf. comp.	JHL FES	

REMARKS ( ) INDICATES EVAPORATION LOSSES

76D138N-688 Gb 7-55

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, 1957

Drainage Area 3.34 Square Miles. Capacity of Reservoir 304.9 Ac. Ft. at Spillway Elev. 1360.0 Ft. as of March 1954 Survey

Continuous Water Stage Recorder AU

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	1310.0	42.4	0.1	0.1	1309.9	42.2	0.03	0.02	1309.9	42.2		0	1309.4	41.1	0	0	1
2	1310.0	42.4	0.1	0.1	1309.9	42.2	0.03	0.02	1309.9	42.2		0	1309.3	40.9	0	0	2
3	1310.0	42.4	0.1	0.1	1309.9	42.2	0.03	0.02	1309.8	42.0		0	1309.3	40.9	0	0	3
4	1310.0	42.4	0.1	0.1	1309.9	42.2	0.03	0.02	1309.8	42.0		0	1309.3	40.9	0	0	4
5	1310.0	42.4	0.1	0.1	1309.9	42.2	0.03	0.02	1309.8	42.0		0	1309.3	40.9	0	0	5
6	1310.0	42.4	0.1	0.1	1309.9	42.2	0.03	0.02	1309.8	42.0		0	1309.3	40.9	0	0	6
7	1310.0	42.4	0.1	0.1	1309.9	42.2	0.03	0.02	1309.8	42.0		0	1309.3	40.9	0	0	7
8	1310.0	42.4	0.1	0.1	1309.9	42.2	0.03	0.02	1309.8	42.0		0	1309.3	40.9	0	0	8
9	1310.0	42.4	0.1	0.1	1309.9	42.2	0.02	0.02	1309.8	42.0		0	1309.2	40.6	0	0	9
10	1310.0	42.4	0.1	0.1	1309.9	42.2	0.02	0.02	1309.8	42.0		0	1309.2	40.6	0	0	10
11	1310.0	42.4	0.1	0.1	1309.9	42.2	0.02	0.02	1309.8	42.0		0	1309.2	40.6	0	0	11
12	1310.0	42.4	0.1	0.1	1309.9	42.2	0.02	0.02	1309.8	42.0		0	1309.2	40.6	0	0	12
13	1310.0	42.4	0.1	0.1	1309.9	42.2	0.02	0.01	1309.7	41.7		0	1309.2	40.6	0	0	13
14	1310.0	42.4	0.1	0.1	1309.9	42.2	0.02	0.01	1309.7	41.7		0	1309.2	40.6	0	0	14
15	1310.0	42.4	0.1	0.1	1309.9	42.2	0.02	0.01	1309.7	41.7		0	1309.1	40.4	0	0	15
16	1310.0	42.4	0.1	0.1	1309.9	42.2	0.02	0.01	1309.7	41.7		0	1309.1	40.4	0	0	16
17	1310.0	42.4	0.1	0.1	1309.9	42.2	0.02	0.01	1309.7	41.7		0	1309.1	40.4	0	0	17
18	1310.0	42.4	0.1	0.1	1309.9	42.2	0.02	0.01	1309.7	41.7		0	1309.1	40.4	0	0	18
19	1310.0	42.4	0.1	0.1	1309.9	42.2	0.02	NEG.	1309.7	41.7	NEGLIGIBLE	0	1309.1	40.4	0	0	19
20	1310.0	42.4	0.1	0.1	1309.9	42.2	0.02		1309.6	41.5		0	1309.1	40.4	0	0	20
21	1309.9	42.2	0.1	0.1	1309.9	42.2	0.02		1309.6	41.5		0	1309.0	40.2	0	0	21
22	1309.9	42.2	0.1	0.1	1309.9	42.2	0.02		1309.6	41.5		0	1309.0	40.2	0	0	22
23	1309.9	42.2	0.1	0.05	1309.9	42.2	0.02		1309.6	41.5		0	1309.0	40.2	0	0	23
24	1309.9	42.2	0.1	0.05	1309.9	42.2	0.02		1309.6	41.5		0	1309.0	40.2	0	0	24
25	1309.9	42.2	0.1	0.05	1309.9	42.2	0.02		1309.5	41.3		0	1309.0	40.2	0	0	25
26	1309.9	42.2	0.1	0.05	1309.9	42.2	0.02		1309.5	41.3		0	1309.0	40.2	0	0	26
27	1309.9	42.2	0.05	0.05	1309.9	42.2	0.02		1309.5	41.3		0	1308.9	40.0	0	0	27
28	1309.9	42.2	0.05	0.05	1309.9	42.2	0.02		1309.5	41.3		0	1308.9	40.0	0	0	28
29	1309.9	42.2	0.05	0.05	1309.9	42.2	0.02		1309.4	41.1		0	1308.9	40.0	0	0	29
30	1309.9	42.2	0.05	0.05	1309.9	42.2	0.02		1309.4	41.1		0	1308.9	40.0	0	0	30
31					1309.9	42.2	0.02		1309.4	41.1		0					31
TOTAL			2.80	2.60			0.70	0.30			0	0			0	0	
Inf. Ac. Ft.			5.6				1.4				0				0	80.4	
Outf. Ac. Ft.			5.2 + (0.6)				0.6 + (0.8)				0 (1.1)				0 + (1.1)	65.3 + (8.4)	
Maximum Mean Daily Inflow			0.1				0.03				0				0	0.8	
Minimum Mean Daily Inflow			0.05				0.02				0				0	0	
Storage Change	-0.2				0				-1.1				-1.1			+6.7	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1310.3	feet	on	2/23/57	Storage	43.1	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1305.0	feet	on	12/17 TO 1/9/57	Storage	32.1	Acre Feet	F.D. KELLY	Dam Tender	Gage Hts. copied	JHL FES	
Max. Peak Inf.	8.1	C.F.S. from	7:30 A.M.	on 2/23/57	to	8:00 A.M.	on 2/23/57	J. HOLLERON	Hydrographer	Storage applied	JHL FES	
Max. Peak Outf.	8.3	C.F.S. from	7:30 A.M.	on 2/23/57	to	8:15 A.M.	on 2/23/57		Hydrographer	Inf. & Outf. comp.	JHL FES	

REMARKS { INDICATES AVERAGE FOR PERIOD
( ) INDICATES EVAPORATION LOSSES

76D138N-68B Gb 7-55

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. 2385.0 Ft. as of September 1947 Survey

Continuous Water Stage Recorder Pressure Gauge

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	2262.0	784.0	0.3	11.2	2230.7	192.4	0.2	8.5	2229.8	183.2	0.5	0.1	2234.1	231.2	1.3	0.1	1
2	2261.2	762.3	0.3	10.9	2229.1	176.2	0.3	8.0	2229.9	184.2	0.5	0.1	2234.3	233.7	1.3	0.1	2
3	2260.3	738.4	0.3	10.9	2227.3	159.2	0.3	8.0	2230.0	185.2	0.5	0.1	2234.5	236.2	1.3	0.1	3
4	2259.5	717.7	0.3	10.9	2226.7	153.9	0.3	3.1	2230.1	186.2	0.5	0.1	2234.7	238.7	1.3	0.1	4
5	2258.7	697.3	0.3	10.5	2226.9	155.6	0.3	0.1	2230.2	187.3	0.6	0.1	2234.9	241.2	1.3	0.1	5
6	2257.8	674.9	0.2	10.5	2227.0	156.5	0.3	0.1	2230.2	187.3	0.6	0.1	2235.1	243.7	1.3	0.1	6
7	2257.0	655.4	0.2	10.5	2227.1	157.4	0.3	0.1	2230.3	188.3	0.6	0.1	2235.2	245.0	1.3	0.2	7
8	2256.1	634.0	0.2	10.5	2227.3	159.2	1.1	0.1	2230.4	189.3	0.6	0.1	2235.4	247.6	1.3	0.2	8
9	2255.2	613.0	0.2	10.5	2227.4	160.1	0.6	0.1	2230.5	190.4	0.6	0.1	2235.6	250.3	1.3	0.2	9
10	2254.3	592.3	0.2	10.5	2227.5	161.1	0.6	0.1	2230.6	191.4	0.6	0.1	2235.7	251.6	1.2	0.2	10
11	2253.4	571.9	0.2	10.5	2227.6	162.0	0.6	0.1	2230.6	191.4	0.5	0.1	2235.8	252.9	1.2	0.2	11
12	2252.5	551.9	0.2	10.5	2227.7	162.9	0.6	0.1	2230.7	192.4	0.6	0.1	2236.0	255.5	1.2	0.2	12
13	2251.5	530.1	0.2	10.5	2227.9	164.7	1.0	0.1	2230.7	192.4	0.6	0.1	2236.2	258.2	1.2	0.2	13
14	2250.6	510.9	0.3	10.5	2228.1	166.6	1.1	0.1	2230.8	193.4	0.6	0.1	2236.3	259.6	1.2	0.2	14
15	2249.6	490.1	0.3	10.2	2228.2	167.5	0.6	0.1	2230.9	194.5	0.6	0.1	2236.4	261.0	1.2	0.2	15
16	2248.6	469.7	0.3	10.2	2228.3	168.5	0.6	0.1	2231.0	195.5	0.6	0.1	2236.6	263.7	1.2	0.2	16
17	2247.7	451.8	0.3	8.8	2228.4	169.4	0.5	0.1	2231.2	197.7	0.6	0.1	2236.7	265.1	1.2	0.2	17
18	2246.8	434.3	0.3	9.1	2226.6	171.4	1.1	0.1	2231.3	198.8	0.6	0.1	2236.9	267.8	1.2	0.2	18
19	2245.9	417.2	0.3	9.1	2228.7	172.3	0.6	0.1	2231.4	199.9	0.6	0.1	2237.0	269.2	1.2	0.2	19
20	2244.9	398.7	0.2	9.1	2228.8	173.3	0.6	0.1	2231.5	201.0	0.6	0.1	2237.1	270.7	1.2	0.2	20
21	2243.9	380.7	0.2	9.1	2228.9	174.2	0.6	0.1	2231.7	203.2	1.2	0.1	2237.3	273.6	1.2	0.2	21
22	2242.9	363.2	0.2	9.1	2229.0	175.2	0.6	0.1	2231.8	204.3	0.6	0.1	2237.4	275.0	1.3	0.2	22
23	2241.9	346.0	0.2	9.1	2229.1	176.2	0.6	0.1	2232.0	206.5	1.4	0.2	2237.6	277.9	1.3	0.2	23
24	2240.8	327.7	0.2	9.1	2229.2	177.2	0.6	0.1	2232.3	209.9	1.9	0.2	2237.7	279.4	1.3	0.2	24
25	2239.8	311.5	0.2	8.8	2229.3	178.2	0.5	0.1	2232.6	213.3	1.9	0.2	2239.4	305.2	1.2	0.2	25
26	2238.6	292.8	0.2	8.8	2229.4	179.2	0.5	0.1	2232.9	216.8	1.9	0.2	2273.3	1136.3	419.2	0.2	26
27	2237.5	276.5	0.2	8.8	2229.5	180.2	0.5	0.1	2233.1	219.1	1.4	0.2	2283.3	1515.4	191.3	0.2	27
28	2236.2	258.2	0.2	8.8	2229.5	180.2	0.5	0.1	2233.3	221.5	1.4	0.2	2285.9	1626.4	56.3	0.3	28
29	2235.0	242.4	0.2	8.5	2229.6	181.2	0.5	0.1	2233.6	225.1	1.4	0.2	2287.1	1679.3	27.0	0.3	29
30	2233.6	225.1	0.2	8.5	2229.7	182.2	0.5	0.1	2233.7	226.3	1.4	0.2	2288.6	1747.0	34.6	0.4	30
31	2232.3	209.9	0.2	8.5					2233.9	228.7	1.4	0.2	2289.4	1783.6	18.8	0.4	31
TOTAL			7.3	302.5			17.0	30.2			27.4	4.0			790.4	6.2	
Inf. Ac. Ft.			14.5				33.7				54.3				1567.7	1670.2	
Outf. Ac. Ft.			6000 + (109)				599 + (16)					79		123 + (06)			680.1 + (13.1)
Maximum Mean Daily Inflow			0.3				1.1				1.9			419.2			419.2
Minimum Mean Daily Inflow			0.1				0.2				0.5			1.2			0.1
Storage Change			-596.4				-27.7				+465			+1554.9			+977.3

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	2306.0	feet on	4/19/56	Storage	2664.	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS ckd. Date
Min. W. S. Elev.	2226.6	feet on	11/4/55	Storage	153.	Acre Feet	E.C. WINDER	Dam Tender	Gage Hts. copied JHL HRW
Max. Peak Inf.	1040.	C. F. S. from	4:00 P.M. on 1/26/56	to	6:00 P.M.	on 1/26/56	E.K. DE VORE	Hydrographer	Storage applied JHL HRW
Max. Peak Outf.	14.	C. F. S. from	9:00 A.M. on 4/19/56	to	MID.	on 4/19/56		Hydrographer	Inf. & Outf. comp. JHL HRW

REMARKS { INDICATES AVERAGE FOR PERIOD
( ) INDICATES EVAPORATION LOSSES.

76D138N-68B Gb 7-55

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. 2385.0 Ft. as of September 1947 Survey

Continuous Water Stage Recorder Pressure Gauge

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	2290.2	1820.7	1.9.3	0.4	2298.8	2253.2	6.0	0.4	2303.1	2493.9	3.7	0.5	2305.5	2634.7	11.6	14.3	1
2	2290.8	1848.7	14.9	0.4	2299.1	2269.5	6.0	0.4	2303.1	2493.9	3.7	3.4	2305.3	2622.8	8.2	14.3	2
3	2291.3	1872.4	12.6	0.4	2299.3	2280.4	6.0	0.4	2303.0	2488.1	3.4	6.6	2305.1	2610.9	8.2	14.3	3
4	2291.8	1896.3	12.6	0.4	2299.5	2291.4	6.0	0.4	2303.0	2488.1	3.4	6.5	2304.8	2593.1	8.1	14.3	4
5	2292.2	1915.5	10.2	0.4	2299.7	2302.4	6.0	0.5	2302.8	2476.7	3.4	6.5	2304.7	2587.3	8.1	14.3	5
6	2292.6	1934.8	8.5	0.4	2299.8	2307.8	6.0	0.5	2302.7	2470.9	3.4	6.5	2304.4	2569.6	8.1	14.3	6
7	2292.9	1949.4	8.5	0.4	2300.0	2318.8	6.0	0.5	2302.5	2459.5	3.4	6.5	2304.2	2557.9	7.1	14.0	7
8	2293.3	1969.0	8.5	0.4	2300.2	2329.9	6.0	0.5	2302.3	2448.1	3.4	6.5	2303.9	2540.3	7.1	14.0	8
9	2293.5	1978.9	8.5	0.4	2300.3	2335.5	5.9	0.5	2302.2	2442.3	3.4	6.6	2304.4	2569.6	29.0	14.0	9
10	2293.8	1993.7	8.4	0.4	2300.5	2346.6	5.9	0.5	2302.1	2436.6	3.4	6.6	2304.7	2587.3	23.2	14.0	10
11	2294.1	2008.6	7.2	0.4	2300.7	2357.7	4.8	0.5	2302.0	2430.9	3.3	6.6	2304.7	2587.3	14.4	14.0	11
12	2294.3	2018.7	7.1	0.4	2300.8	2363.3	4.8	0.5	2303.2	2499.7	41.2	6.6	2304.6	2581.4	11.5	14.0	12
13	2294.6	2033.8	7.1	0.4	2301.0	2374.4	4.8	0.5	2304.1	2552.0	33.0	6.6	2304.6	2581.4	14.5	14.0	13
14	2294.8	2043.8	7.1	0.4	2301.1	2380.1	4.8	0.5	2304.7	2587.3	24.5	6.6	2304.6	2581.4	12.3	11.5	14
15	2295.1	2059.0	7.1	0.4	2301.2	2385.7	4.8	0.5	2305.1	2610.9	18.7	6.6	2304.5	2575.5	9.7	12.0	15
16	2295.3	2069.2	5.4	0.4	2301.4	2397.0	4.8	0.5	2305.4	2628.7	15.9	6.6	2304.3	2563.7	8.3	12.0	16
17	2295.5	2079.5	5.4	0.4	2301.5	2402.7	4.8	0.5	2305.7	2646.6	15.7	6.6	2304.2	2557.9	8.3	12.0	17
18	2295.6	2084.6	5.4	0.4	2301.6	2408.3	4.8	0.5	2305.9	2658.5	12.8	6.6	2304.1	2552.0	8.3	12.0	18
19	2295.8	2094.8	5.4	0.4	2301.7	2414.0	4.8	0.5	2306.0	2664.4	14.6	11.3	2303.9	2540.3	8.3	12.0	19
20	2296.0	2105.0	5.4	0.4	2301.9	2425.3	4.7	0.5	2305.9	2658.5	11.3	14.0	2303.8	2534.5	8.3	11.8	20
21	2296.2	2115.4	5.4	0.4	2302.0	2430.9	3.8	0.5	2305.9	2658.5	14.6	14.3	2303.6	2522.9	6.0	11.8	21
22	2296.4	2125.8	5.4	0.4	2302.1	2436.6	3.8	0.5	2305.9	2658.5	14.7	14.3	2303.4	2511.3	5.9	11.8	22
23	2296.9	2151.8	13.6	0.4	2302.2	2442.3	3.8	0.5	2305.8	2652.5	11.9	14.3	2303.1	2493.9	5.9	11.8	23
24	2297.3	2172.9	11.2	0.4	2302.3	2448.1	3.8	0.5	2305.7	2646.6	11.7	14.3	2302.9	2482.4	5.9	11.8	24
25	2297.6	2188.8	8.5	0.4	2302.4	2453.8	3.8	0.5	2305.5	2634.7	8.8	14.3	2302.7	2470.9	5.9	11.8	25
26	2297.9	2204.7	8.5	0.4	2302.5	2459.5	3.8	0.5	2305.7	2646.6	20.6	14.3	2302.5	2459.5	5.9	11.8	26
27	2298.2	2220.8	8.7	0.4	2302.6	2465.2	3.8	0.5	2305.8	2652.5	17.6	14.3	2302.3	2448.1	5.9	11.8	27
28	2298.4	2231.6	6.1	0.4	2302.7	2470.9	3.8	0.5	2305.8	2652.5	14.5	14.3	2302.1	2436.6	5.9	11.8	28
29	2298.6	2242.4	6.0	0.4	2302.8	2476.7	3.8	0.5	2305.7	2646.6	11.7	14.3	2301.8	2419.6	5.9	11.8	29
30					2302.9	2482.4	3.8	0.5	2305.6	2640.6	11.7	14.3	2301.6	2408.3	5.9	11.8	30
31					2303.0	2488.1	3.7	0.5					2301.4	2397.0	5.8	11.8	31
TOTAL			248.0	11.6			149.4	15.1			363.4	277.3			287.5	396.9	
Inf. Ac. Ft.			491.9				296.3				720.8				570.2	374.9	
Outf. Ac. Ft.			230 + (101)				300 + (206)				550.0 + (182)			787.2 + (282)			2070.3 + (88.6)
Maximum Mean Daily Inflow			19.3				6.0				41.2				29.0		419.2
Minimum Mean Daily Inflow			5.4				3.7				3.3				5.8		0.1
Storage Change		+458.8				+245.7				+1525				-243.6			+1990.7

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	2306.0	feet on	4/19/56	Storage	2664.	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS ckd. Date
Min. W. S. Elev.	2226.6	feet on	11/4/55	Storage	153.	Acre Feet	E.C. WINDER	Dam Tender	Gage Hts. copied JHL HRW
Max. Peak Inf.	1040.	C. F. S. from	4:00 P.M. on 1/26/56	to	6:00 P.M.	on 1/26/56	E.K. DE VORE	Hydrographer	Storage applied JHL HRW
Max. Peak Outf.	14.	C. F. S. from	9:00 A.M. on 4/19/56	to	MID.	on 4/19/56		Hydrographer	Inf. & Outf. comp. JHL HRW

REMARKS { INDICATES AVERAGE FOR PERIOD
( ) INDICATES EVAPORATION LOSSES

76D138N-68B Gb 7-55

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, 1956

Drainage Area 39.2 Square Miles. Capacity of Reservoir 10634.3 Ac. Ft. at Spillway Elev. 2385. Ft. as of September 1947 Survey

Continuous Water Stage Recorder Pressure Gauge

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	2301.1	2380.1	(4.5	11.8	2294.9	2048.9	(1.2	6.5	2287.7	1706.2	(1.0	5.3	2280.0	1381.8	(0.6	5.6	1
2	2300.8	2363.3	4.5	11.8	2294.7	2038.8	1.2	6.5	2287.5	1697.3	1.0	5.3	2279.7	1370.2	0.6	5.3	2
3	2300.5	2346.6	4.5	11.8	2294.5	2028.8	1.2	6.5	2287.3	1688.3	1.0	5.3	2279.5	1362.5	0.6	5.3	3
4	2300.2	2329.9	4.5	11.8	2294.3	2018.7	1.2	6.5	2287.0	1674.8	1.0	5.3	2279.2	1350.8	0.6	5.3	4
5	2300.0	2318.8	4.4	11.8	2294.1	2008.6	1.2	6.5	2286.8	1666.0	1.0	5.3	2278.9	1339.3	0.6	5.3	5
6	2299.7	2302.4	3.4	11.8	2293.8	1993.7	1.2	6.5	2286.6	1657.2	1.0	5.3	2278.6	1327.9	0.6	5.3	6
7	2299.5	2291.4	3.4	9.2	2293.5	1978.9	1.2	6.5	2286.3	1643.9	1.0	5.3	2278.3	1316.6	0.6	5.3	7
8	2299.3	2280.4	3.4	6.9	2293.3	1969.0	1.2	6.5	2286.1	1635.1	1.0	5.3	2278.0	1305.2	0.6	5.1	8
9	2299.2	2275.0	3.4	6.9	2293.0	1954.2	1.2	6.7	2285.9	1626.4	1.0	5.3	2277.8	1297.7	0.6	5.1	9
10	2299.0	2264.0	(3.3	6.9	2292.8	1944.5	1.2	6.7	2285.7	1617.7	(0.9	5.3	2277.5	1286.6	0.6	5.1	10
11	2298.9	2258.6	3.3	6.9	2292.5	1930.0	1.2	6.7	2285.5	1609.1	0.8	5.3	2277.2	1275.4	0.6	5.1	11
12	2298.7	2247.8	3.3	6.9	2292.3	1920.3	1.2	6.7	2285.2	1596.1	0.8	5.3	2276.9	1264.3	0.6	5.1	12
13	2298.5	2237.0	3.2	6.9	2292.1	1910.6	1.2	6.7	2285.0	1587.4	0.8	5.3	2276.6	1253.3	0.6	5.1	13
14	2298.3	2226.2	3.2	6.7	2291.8	1896.3	1.2	6.7	2284.8	1578.9	0.8	5.3	2276.3	1242.4	0.6	5.1	14
15	2298.2	2220.8	(3.2	7.2	2291.5	1882.0	1.2	6.7	2284.5	1566.1	0.8	5.6	2276.0	1231.4	0.6	5.1	15
16	2298.0	2210.0	(2.6	6.9	2291.3	1872.4	1.2	6.0	2284.3	1557.5	0.8	6.0	2275.8	1224.2	0.5	5.1	16
17	2297.8	2199.4	2.6	6.9	2291.0	1858.1	1.2	6.5	2284.0	1544.7	0.8	5.8	2275.5	1213.5	0.5	5.8	17
18	2297.6	2188.8	2.5	6.9	2290.8	1848.7	1.1	6.7	2283.7	1532.1	0.8	5.8	2275.2	1202.7	0.5	6.0	18
19	2297.4	2178.2	2.5	6.9	2290.5	1834.7	1.1	6.7	2283.5	1523.8	0.8	5.8	2274.9	1192.0	0.5	6.0	19
20	2297.3	2172.9	(2.5	6.7	2290.3	1825.3	1.1	6.7	2283.2	1511.2	(0.7	5.6	2274.6	1181.5	0.5	6.0	20
21	2297.1	2162.3	(1.9	6.7	2290.0	1811.3	(1.1	6.7	2282.9	1498.7	(0.7	5.6	2274.3	1170.9	0.5	6.1	21
22	2296.9	2151.8	1.9	6.7	2289.8	1802.1	1.1	6.7	2282.7	1490.5	0.7	5.6	2274.0	1160.4	0.5	5.8	22
23	2296.7	2141.4	1.9	6.7	2289.6	1792.9	1.1	6.1	2282.4	1478.1	0.7	5.6	2273.7	1150.1	0.5	5.8	23
24	2296.5	2131.0	1.9	6.7	2289.4	1783.6	1.1	4.9	2282.2	1469.9	0.7	5.3	2273.4	1139.7	0.5	5.8	24
25	2296.3	2120.6	(1.9	6.5	2289.2	1774.4	(1.0	4.9	2281.9	1457.7	0.7	5.6	2273.1	1129.4	0.5	5.8	25
26	2296.1	2110.2	(1.5	6.5	2289.0	1765.2	1.0	5.2	2281.6	1445.5	0.7	5.6	2272.9	1122.5	0.5	4.3	26
27	2295.8	2094.8	1.4	6.5	2288.8	1756.1	1.0	5.3	2281.3	1433.4	0.7	5.6	2272.6	1112.3	0.5	3.9	27
28	2295.6	2084.6	1.4	6.5	2288.6	1747.0	1.0	5.3	2281.1	1425.3	0.7	5.6	2272.4	1105.6	0.5	3.5	28
29	2295.4	2074.3	1.4	6.5	2288.4	1737.9	1.0	5.3	2280.8	1413.4	0.6	5.6	2272.2	1098.8	0.5	3.5	29
30	2295.2	2064.1	(1.4	6.5	2288.1	1724.3	1.0	5.3	2280.5	1401.6	0.6	5.6	2272.0	1092.0	(0.5	3.7	30
31					2287.9	1715.2	(1.0	5.3	2280.3	1393.7	(0.6	5.6					31
TOTAL			84.8	235.4			35.1	192.5			25.2	170.1			16.5	155.3	
Inf. Ac. Ft.			1682				696				500				327		4069.9
Outf. Ac. Ft.			4669 + (34.1)				3818 + (36.7)				3374 + (34.1)				3080+(26.4)		3564.4+(219.9)
Maximum Mean Daily Inflow			4.5				1.2				1.0				0.6		419.2
Minimum Mean Daily Inflow			1.4				1.0				0.6				0.5		0.1
Storage Change		-3329				-3489				-3215				-3017			+285.7

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	2306.0	feet on	4/19/56	Storage	2664	Acre Feet		
Min. W. S. Elev.	2226.6	feet on	11/4/55	Storage	153.	Acre Feet		
Max. Peak Inf.	1040.	C.F.S. from	4:00 P.M. on 1/26/56	to	6:00 P.M. on	1/26/56		
Max. Peak Outf.	14.	C.F.S. from	9:00 A.M. on 4/19/56	to	MID. on	4/19/56		

RECORDS COLLECTED BY

E.C. WINDER	Dam Tender
E.K. DE VORE	Hydrographer
	Hydrographer

COMPUTATIONS ckd. Date

Gage Hts. copied	JHL HRW
Storage applied	JHL HRW
Inf. & Outf. comp.	JHL HRW

REMARKS (INDICATES AVERAGE FOR PERIOD
( ) INDICATES EVAPORATION LOSS

76D138N-68B Gb 7-55

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, 1957

Drainage Area 39.2 Square Miles. Capacity of Reservoir 10634.3 Ac. Ft. at Spillway Elev. 2385. Ft. as of September 1947 Survey

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	2271.8	1085.3	(0.5	3.7	2265.4	882.0	(0.3	4.0	2214.2	70.1	1.0	0.1	2220.4	105.0	0.5	0.1	1
2	2271.6	1078.7	0.5	3.8	2265.1	873.0	0.3	4.0	2214.5	71.6	0.9	0.1	2220.5	105.7	0.4	0.1	2
3	2271.4	1072.0	0.5	3.8	2264.9	867.1	0.3	4.0	2214.8	73.0	0.8	0.1	2220.7	107.0	0.8	0.1	3
4	2271.2	1065.4	0.6	3.2	2264.7	861.2	0.3	4.0	2215.1	74.4	0.8	0.1	2220.8	107.7	0.4	0.1	4
5	2271.1	1062.0	0.6	2.7	2264.4	852.4	0.3	4.0	2215.6	76.8	1.3	0.1	2221.6	113.3	2.9	0.1	5
6	2270.9	1055.4	0.6	2.8	2264.1	843.5	0.3	4.0	2215.9	78.3	0.8	0.1	2222.1	116.8	1.9	0.1	6
7	2270.8	1052.1	0.6	2.8	2263.9	837.7	0.3	4.0	2216.2	79.9	0.9	0.1	2222.4	119.1	1.3	0.1	7
8	2270.6	1045.6	0.6	2.8	2263.6	829.1	0.3	4.0	2216.4	80.9	0.7	0.1	2222.7	121.3	1.2	0.1	8
9	2270.5	1042.3	0.6	2.7	2261.1	759.6	1.0	4.56	2216.6	82.0	0.6	0.1	2223.1	124.3	1.6	0.1	9
10	2270.4	1039.0	0.5	2.7	2250.6	510.9	1.2	122.8	2216.8	83.0	0.6	0.1	2223.6	128.1	2.0	0.1	10
11	2270.2	1032.5	0.5	2.7	2233.9	228.7	1.2	139.4	2217.1	84.7	1.0	0.1	2224.0	131.2	1.7	0.1	11
12	2270.0	1025.9	0.5	2.7	2211.9	60.4	1.2	72.6	2217.3	85.8	0.6	0.1	2226.1	148.6	8.8	0.1	12
13	2269.9	1022.7	0.5	2.5	2207.1	42.7	1.0	5.2	2217.5	87.0	0.7	0.1	2254.4	594.6	225.0	0.1	13
14	2269.7	1016.2	0.5	2.5	2207.1	42.7	0.6	1.6	2217.7	88.1	0.7	0.1	2256.3	638.7	22.4	0.2	14
15	2269.6	1013.0	0.5	2.9	2207.0	42.5	0.6	1.5	2217.9	89.2	0.6	0.1	2257.1	658.7	10.4	0.2	15
16	2269.4	1006.6	(0.4	4.0	2207.0	42.5	0.6	1.4	2218.1	90.4	0.7	0.1	2257.6	670.0	6.0	0.2	16
17	2269.2	1000.1	0.4	4.0	2207.0	42.5	0.5	1.4	2218.3	91.6	0.7	0.1	2257.9	677.4	4.0	0.2	17
18	2268.9	990.5	0.4	4.0	2207.0	42.5	0.5	1.3	2218.5	92.9	0.8	0.1	2258.2	684.8	4.1	0.2	18
19	2268.6	981.0	0.4	4.0	2206.9	42.3	0.5	1.2	2218.7	94.1	0.7	0.1	2258.4	689.8	2.8	0.2	19
20	2268.4	974.6	0.4	4.0	2207.3	43.0	0.5	0.6	2218.9	95.3	0.7	0.1	2258.9	702.3	6.5	0.2	20
21	2268.1	965.1	0.4	4.0	2208.2	47.2	0.5	0.1	2219.0	95.9	(0.6	0.1	2259.1	707.4	2.8	0.2	21
22	2267.8	955.7	0.4	4.0	2209.1	50.4	0.5	0.1	2219.2	97.2	0.6	0.1	2259.4	715.1	4.1	0.2	22
23	2267.6	949.4	0.4	4.0	2210.1	53.8	0.5	0.1	2219.3	97.8	0.6	0.1	2259.7	722.8	4.2	0.2	23
24	2267.4	943.2	0.4	4.0	2210.8	56.2	0.5	0.1	2219.4	98.5	0.6	0.1	2260.3	738.4	8.1	0.2	24
25	2267.1	933.8	0.4	4.0	2211.4	58.5	0.5	0.1	2219.5	99.1	0.6	0.1	2260.8	751.6	6.8	0.2	25
26	2266.9	927.6	0.3	4.0	2212.0	60.8	0.5	0.1	2219.7	100.4	0.5	0.1	2261.7	775.9	12.6	0.2	26
27	2266.6	918.4	0.3	4.0	2212.5	62.9	0.5	0.1	2219.9	101.7	(0.5	0.1	2262.6	800.7	12.7	0.2	27
28	2266.4	912.3	0.3	4.2	2213.0	64.9	0.5	0.1	2220.0	102.3	0.4	0.1	2263.2	817.6	8.7	0.2	28
29	2266.1	903.1	0.3	4.4	2213.4	66.6	0.5	0.1	2220.1	103.0	0.5	0.1	2264.0	840.6	11.8	0.2	29
30	2265.9	897.0	0.3	4.2	2213.8	68.3	0.5	0.1	2220.2	103.6	0.4	0.1	2264.6	858.2	9.1	0.2	30
31	2265.6	888.0	(0.3	4.2					2220.3	104.3	0.5	0.1	2265.2	876.0	9.3	0.2	31
TOTAL			13.9	109.3			16.8	427.6			21.4	3.1			394.9	4.9	
Inf. Ac. Ft.			276				333				424				7833		886.6
Outf. Ac. Ft.			2168 + (14.7)				8481 + (5.0)				61+ (0.2)				97 + (1.9)		1080.7 + (21.8)
Maximum Mean Daily Inflow			0.6				1.2				1.3				225		225.0
Minimum Mean Daily Inflow			0.3				0.3				0.4				0.4		0.3
Storage Change		-204.0				-8198				+360				+7717			-216.0

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	2294.2	feet on	5/25/57	Storage	2014	Acre Feet		
Min. W. S. Elev.	2206.9	feet on	11/19/56	Storage	42.3	Acre Feet		
Max. Peak Inf.	685.	C.F.S. from	4:00 A.M. on 1/13/57	to	5:00 A.M. on	1/13/57		
Max. Peak Outf.	156	C.F.S. from	2:30 P.M. on 11/10/56	to	7:00 P.M. on	11/10/56		

RECORDS COLLECTED BY

E.C. WINDER	Dam Tender
E.K. DE VORE	Hydrographer
	Hydrographer

COMPUTATIONS ckd. Date

Gage Hts. copied	JHL FES
Storage applied	JHL FES
Inf. & Outf. comp.	JHL FES

REMARKS (INDICATES AVERAGE FOR PERIOD
( ) INDICATES EVAPORATION LOSSES

76D138N-68B Gb 7-55

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, 1957

On

Continuous Water Stage Recorder Stevens A-35

Drainage Area 39.2 Square Miles. Capacity of Reservoir 10634.3 Ac. Ft. at Spillway Elev. 2385 Ft. as of September 1947 Survey 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	2265.9	897.0	10.9	0.3	2285.7	1617.7	34.4	25.5	2291.7	1891.5	4.6	1.4	2293.1	1959.1	3.9	4.7	1
2	2266.5	915.4	9.7	0.3	2285.6	1613.4	23.4	25.5	2291.8	1896.3	4.5	1.4	2293.0	1954.2	3.9	4.7	2
3	2267.1	933.8	9.6	0.3	2285.4	1604.7	21.2	25.5	2291.9	1901.0	4.5	1.4	2293.0	1954.2	3.9	4.7	3
4	2267.8	955.7	11.4	0.3	2285.1	1591.7	19.6	26.0	2292.0	1905.8	4.5	1.3	2292.9	1949.4	3.9	4.7	4
5	2268.3	971.4	8.3	0.3	2284.6	1570.3	15.4	26.0	2292.1	1910.6	4.5	1.3	2292.8	1944.5	3.9	4.7	5
6	2268.8	987.3	8.4	0.3	2284.1	1549.0	15.5	26.0	2292.3	1920.3	4.5	1.3	2292.8	1944.5	3.9	4.7	6
7	2269.3	1003.4	8.5	0.3	2283.5	1523.8	13.5	26.0	2292.4	1925.2	4.5	1.3	2292.7	1939.7	3.9	4.7	7
8	2269.9	1022.7	10.1	0.3	2283.6	1527.9	11.8	9.6	2292.4	1925.2	4.5	1.3	2292.7	1939.7	3.8	4.7	8
9	2270.8	1052.1	15.1	0.3	2284.4	1561.8	17.5	0.4	2292.6	1934.8	4.5	1.3	2292.6	1934.8	3.8	4.7	9
10	2271.6	1078.7	13.8	0.3	2284.9	1583.1	11.3	0.4	2292.6	1934.8	4.5	1.3	2292.6	1934.8	3.8	4.9	10
11	2272.4	1105.6	14.0	0.3	2285.5	1609.1	13.7	0.4	2292.6	1934.8	4.5	3.8	2292.8	1944.5	10.2	4.9	11
12	2273.1	1129.4	12.4	0.3	2285.9	1626.4	9.3	0.4	2292.6	1934.8	4.5	4.6	2293.1	1959.1	12.4	4.9	12
13	2273.7	1150.1	10.9	0.3	2286.4	1648.3	11.8	0.4	2292.6	1934.8	4.5	4.6	2293.2	1964.1	7.5	4.9	13
14	2274.3	1170.9	11.0	0.3	2286.7	1661.6	7.4	0.4	2292.6	1934.8	4.5	4.6	2293.2	1964.1	5.1	4.9	14
15	2274.7	1185.0	7.5	0.3	2287.1	1679.3	9.6	0.4	2292.6	1934.8	4.5	4.6	2293.3	1969.0	7.8	4.9	15
16	2275.1	1199.1	7.5	0.3	2287.6	1701.7	11.8	0.4	2292.6	1934.8	4.5	4.2	2293.3	1969.0	5.2	4.9	16
17	2275.5	1213.5	7.7	0.3	2288.1	1724.3	11.9	0.4	2292.6	1934.8	5.1	4.7	2293.3	1969.0	5.5	5.1	17
18	2275.9	1227.8	7.5	0.3	2288.5	1742.5	9.7	0.4	2292.8	1944.5	9.9	4.7	2293.3	1969.0	5.5	5.3	18
19	2276.2	1238.7	5.8	0.3	2288.8	1756.1	7.4	0.3	2292.8	1944.5	5.0	4.7	2293.6	1983.8	13.0	5.3	19
20	2276.5	1249.7	5.9	0.3	2289.1	1769.8	7.6	0.4	2292.9	1949.4	7.3	4.7	2293.8	1993.7	10.4	5.3	20
21	2276.9	1264.3	7.8	0.3	2289.4	1783.6	7.6	0.4	2293.1	1959.1	9.9	4.7	2294.0	2003.6	10.5	5.3	21
22	2277.9	1301.5	19.1	0.3	2289.7	1797.5	7.8	0.3	2293.1	1959.1	5.1	4.7	2294.0	2003.6	5.7	5.3	22
23	2283.3	1515.4	108.3	0.3	2289.9	1806.7	5.3	0.3	2293.2	1964.1	5.1	4.7	2294.1	2008.6	8.1	5.3	23
24	2285.3	1600.4	43.2	0.3	2290.2	1820.7	7.9	0.4	2293.2	1964.1	5.1	4.7	2294.1	2008.6	5.6	5.3	24
25	2285.8	1622.0	25.9	14.9	2290.5	1834.7	7.7	0.4	2293.2	1964.1	5.1	4.7	2294.2	2013.7	8.1	5.3	25
26	2285.6	1613.4	21.4	25.5	2290.7	1844.1	5.6	0.6	2293.2	1964.1	5.1	4.7	2294.1	2008.6	4.8	5.3	26
27	2285.3	1600.4	19.1	25.5	2290.9	1853.4	6.2	1.2	2293.2	1964.1	5.1	4.7	2294.1	2008.6	4.7	5.1	27
28	2285.3	1600.4	25.6	25.5	2291.1	1862.9	6.5	1.4	2293.1	1959.1	5.1	4.7	2294.1	2008.6	4.7	5.1	28
29					2291.2	1867.6	4.9	1.4	2293.1	1959.1	5.0	4.7	2294.1	2008.6	4.7	5.1	29
30					2291.4	1877.2	4.9	1.4	2293.1	1959.1	5.0	4.7	2294.1	2008.6	4.7	5.1	30
31					2291.5	1882.0	4.9	1.4					2294.0	2003.6	4.7	5.1	31
TOTAL			466.4	98.6			353.1	204.0			155.0	105.5			187.6	154.9	
Inf. Ac. Ft.			925.1				700.4				307.4				372.1		3191.6
Outf. Ac. Ft.			195.6 + (5.1)				406.6 + (14.1)				209.3 + (21.0)				307.2 + (20.4)		2197.4 + (82.4)
Maximum Mean Daily Inflow			108.3				34.4				9.9				13.0		225.0
Minimum Mean Daily Inflow			7.5				4.9				4.5				3.8		0.3
Storage Change		+724.4				+281.6				+77.1				+44.5			+911.6

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	2294.2	feet on	5/25/57	Storage	2014.	Acre Feet		
Min. W. S. Elev.	2206.9	feet on	11/19/56	Storage	42.3	Acre Feet		
Max. Peak Inf.	685.	C.F.S. from	4:00 A.M. on 1/13/57	to	5:00 A.M.	on	1/13/57	
Max. Peak Outf.	156.	C.F.S. from	2:30 P.M. on 11/10/56	to	7:00 P.M.	on	11/10/56	

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
E.C. WINDER	Dam Tender	Gage Hts. copied	JHL	FES
E.K. DE VORE	Hydrographer	Storage applied	JHL	FES
	Hydrographer	Inf. & Outf. comp.	JHL	FES

REMARKS { INDICATES AVERAGE FOR PERIOD
( ) INDICATES EVAPORATION LOSSES

76D138N-68B Gb 7-55

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, 1957

On

Continuous Water Stage Recorder Stevens A-35

Drainage Area 39.2 Square Miles. Capacity of Reservoir 10634.3 Ac. Ft. at Spillway Elev. 2385 Ft. as of September 1947 Survey 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	2294.0	2003.6	3.3	5.1	2288.9	1760.7	0.9	5.8	2280.7	1409.5	0.6	5.8	2270.3	1035.7	0.3	9.1	1
2	2293.9	1998.7	3.3	5.1	2288.7	1751.6	0.9	5.8	2280.4	1397.6	0.6	5.8	2269.8	1019.5	0.3	9.1	2
3	2293.8	1993.7	3.3	5.1	2288.5	1742.5	0.9	5.8	2280.1	1385.8	0.6	5.8	2269.2	1000.1	0.2	9.1	3
4	2293.7	1988.8	3.3	5.1	2288.2	1729.8	0.9	5.8	2279.9	1377.9	0.6	5.8	2268.7	984.2	0.2	9.1	4
5	2293.5	1978.9	3.3	5.1	2287.9	1715.2	0.9	5.8	2279.6	1366.3	0.6	5.8	2268.1	965.1	0.2	9.1	5
6	2293.4	1974.0	2.8	5.1	2287.7	1706.2	0.9	6.0	2279.3	1354.7	0.5	5.8	2267.5	946.3	0.2	9.1	6
7	2293.3	1969.0	2.8	5.1	2287.4	1692.8	0.9	6.0	2279.0	1343.1	0.5	5.6	2266.9	927.6	0.2	9.1	7
8	2293.3	1969.0	2.8	5.1	2287.2	1683.8	0.8	6.0	2278.7	1331.7	0.5	5.6	2266.3	909.2	0.2	9.1	8
9	2293.2	1964.1	2.8	5.3	2287.0	1674.8	0.8	6.0	2278.4	1320.4	0.5	5.6	2265.7	891.0	0.2	9.1	9
10	2293.1	1959.1	2.8	5.8	2286.7	1661.6	0.8	6.0	2278.1	1309.0	0.5	5.6	2265.1	873.0	0.2	8.8	10
11	2292.9	1949.4	2.8	6.0	2286.4	1648.3	0.8	6.0	2277.8	1297.7	0.5	5.6	2264.6	858.2	0.2	8.8	11
12	2292.8	1944.5	2.8	6.0	2286.2	1639.5	0.8	6.0	2277.5	1286.6	0.5	5.3	2264.0	840.6	0.2	8.8	12
13	2292.7	1939.7	2.8	6.0	2285.9	1626.4	0.8	6.0	2277.2	1275.4	0.5	5.3	2263.3	820.5	0.2	8.8	13
14	2292.5	1930.0	2.8	6.0	2285.6	1613.4	0.8	6.0	2276.9	1264.3	0.5	5.3	2262.6	800.7	0.2	8.8	14
15	2292.3	1920.3	2.8	6.0	2285.4	1604.7	0.8	6.0	2276.6	1253.3	0.5	5.3	2262.3	792.4	0.2	5.6	15
16	2292.2	1915.5	2.8	6.0	2285.1	1591.7	0.8	6.0	2276.3	1242.4	0.4	5.3	2261.8	778.6	0.2	7.5	16
17	2292.0	1905.8	2.8	5.8	2284.8	1578.9	0.8	6.0	2276.0	1231.4	0.4	5.3	2261.1	759.6	0.2	9.1	17
18	2291.8	1896.3	2.8	5.8	2284.6	1570.3	0.8	6.0	2275.7	1220.6	0.3	5.3	2260.4	741.1	0.2	9.1	18
19	2291.6	1886.7	2.7	5.8	2284.3	1557.5	0.8	6.0	2275.4	1209.9	0.3	5.3	2259.7	722.8	0.2	9.0	19
20	2291.4	1877.2	2.7	5.8	2284.0	1544.7	0.7	5.8	2275.1	1199.1	0.3	5.3	2259.0	704.8	0.2	7.7	20
21	2291.2	1867.6	1.3	5.8	2283.8	1536.3	0.6	5.8	2274.9	1192.0	0.3	5.3	2258.4	689.8	0.2	7.7	21
22	2291.0	1858.1	1.3	5.8	2283.5	1523.8	0.6	5.8	2274.6	1181.5	0.3	5.3	2257.7	672.5	0.2	7.7	22
23	2290.8	1848.7	1.3	5.8	2283.2	1511.2	0.6	5.8	2274.2	1167.4	0.3	5.3	2257.1	657.8	0.2	7.7	23
24	2290.6	1839.4	1.3	5.8	2283.0	1502.8	0.6	5.8	2273.9	1157.0	0.3	5.3	2256.5	643.5	0.2	7.7	24
25	2290.4	1830.0	1.3	5.8	2282.6	1486.4	0.6	5.8	2273.6	1146.6	0.3	5.3	2255.8	626.9	0.2	7.7	25
26	2290.2	1820.7	1.3	6.0	2282.4	1478.1	0.6	5.8	2273.3	1136.3	0.3	5.3	2255.1	610.6	0.2	7.7	26
27	2289.9	1806.7	1.2	6.0	2282.1	1465.8	0.6	5.8	2273.0	1125.9	0.3	5.3	2254.4	594.6	0.2	7.7	27
28	2289.7	1797.5	1.2	6.0	2281.8	1453.6	0.6	5.8	2272.5	1109.0	0.3	7.7	2253.7	578.7	0.2	7.7	28
29	2289.5	1788.3	1.2	6.0	2281.6	1445.5	0.6	5.8	2272.0	1092.0	0.3	9.1	2253.0	562.9	0.2	7.7	29
30	2289.2	1774.4	1.2	6.0	2281.3	1433.4	0.6	5.8	2271.4	1072.0	0.3	9.1	2252.3	547.5	0.2	7.7	30
31					2281.0	1421.3	0.6	5.8	2270.8	1052.1	0.3	9.1					31
TOTAL			70.9	170.1			25.4	182.6			13.0	182.6			6.2	250.9	
Inf. Ac. Ft.			140.6				50.4				25.8				12.3		3420.7
Outf. Ac. Ft.			337.4 + (32.5)				362.2 + (41.3)				362.2 + (32.7)				497.7 + (19.2)		3756.9 + (208.1)
Maximum Mean Daily Inflow			3.3				0.9				0.6				0.3		225.0
Minimum Mean Daily Inflow			1.2				0.7				0.3				0.2		0.2
Storage Change		-229.2				-353.1				-359.2				-504.6			-544.5

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	2294.2	feet on	5/25/57	Storage	2014	Acre Feet		
Min. W. S. Elev.	2206.9	feet on	11/19/56	Storage	42.3	Acre Feet		
Max. Peak Inf.	685.	C.F.S. from	4:00 A.M. on 1/13/57	to	5:00 A.M.	on	1/13/57	
Max. Peak Outf.	156.	C.F.S. from	2:30 P.M. on 11/10/56	to	7:00 P.M.	on	11/10/56	

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
E.C. WINDER	Dam Tender	Gage Hts. copied		
E.K. DEVORE	Hydrographer	Storage applied		
	Hydrographer	Inf. & Outf. comp.		

REMARKS { INDICATES AVERAGE FOR PERIOD
( ) INDICATES EVAPORATION LOSSES

76D138N-68B Gb 7-55

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAN GABRIEL Dam

In ~~On~~ San Gabriel Canyon for the Year Ending September 30, 19 56

Continuous Water Stage Recorder Au

Drainage Area 207.7 Square Miles. Capacity of Reservoir 44013 Ac. Ft. at Spillway Elev. 1453.0 Ft. as of May 19 54 Survey 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	1334.31	4399	28.7	54.4	1313.26	1935	24.8	56.6	1299.57	964	24.7	20.1	1303.23	1173	23.9	25.3	1
2	1333.94	4344	28.4	54.4	1312.90	1903	25.4	40.7	1299.76	974	25.3	19.9	1303.18	1170	24.1	25.3	2
3	1333.54	4286	27.3	55.1	1312.54	1872	26.0	40.7	1299.87	980	23.0	20.0	1303.11	1166	23.6	25.3	3
4	1333.15	4229	28.0	55.5	1312.18	1840	25.3	40.7	1300.10	992	25.4	20.1	1303.05	1162	23.5	25.3	4
5	1332.77	4174	28.8	55.2	1311.72	1801	21.7	40.6	1300.32	1004	26.2	20.1	1302.98	1158	23.4	25.1	5
6	1332.37	4118	28.9	55.2	1311.20	1756	18.4	40.4	1300.55	1016	26.2	20.1	1302.90	1153	22.9	25.1	6
7	1331.95	4058	26.8	55.2	1310.64	1710	17.9	40.4	1300.69	1025	24.9	20.1	1302.82	1148	22.9	25.1	7
8	1331.43	3986	30.1	65.1	1310.07	1662	17.2	40.4	1300.83	1033	24.4	20.1	1302.74	1144	23.2	24.9	8
9	1330.81	3900	27.5	69.9	1309.51	1617	18.0	39.9	1300.99	1041	24.4	20.1	1302.67	1139	22.7	25.0	9
10	1330.17	3813	27.0	69.9	1308.90	1569	16.3	39.7	1301.10	1048	23.8	20.1	1302.57	1133	22.5	25.2	10
11	1329.54	3729	28.9	69.8	1308.33	1524	17.4	39.9	1301.20	1054	23.3	20.1	1302.48	1128	22.9	25.3	11
12	1328.91	3646	29.1	69.8	1307.77	1482	18.8	39.9	1301.29	1059	22.9	20.2	1302.36	1121	22.1	25.4	12
13	1328.23	3558	26.4	69.6	1307.21	14	18.8	39.9	1301.37	1063	22.7	20.3	1302.24	1114	22.0	25.4	13
14	1327.58	3474	28.3	70.0	1307.05	1428	34.2	39.9	1301.45	1068	23.0	20.3	1302.13	1107	22.0	25.4	14
15	1326.92	3390	28.7	70.2	1306.62	1397	24.8	39.9	1301.71	1083	22.5	14.8	1301.98	1098	20.9	25.4	15
16	1326.24	3306	28.5	70.2	1306.15	1364	23.5	39.9	1301.55	1074	22.8	27.1	1301.87	1092	22.6	25.3	16
17	1325.53	3219	26.8	69.9	1305.64	1329	22.5	39.9	1301.53	1072	22.6	23.4	1301.78	1087	22.7	25.0	17
18	1324.81	3132	26.7	69.8	1305.14	1295	23.0	39.7	1301.61	1077	22.6	19.9	1301.69	1082	22.6	24.8	18
19	1324.09	3047	27.4	69.6	1304.58	1258	21.3	39.7	1301.70	1082	22.6	19.9	1301.62	1078	23.0	24.8	19
20	1323.37	2963	28.2	70.0	1304.00	1221	21.2	39.7	1301.78	1087	22.7	19.9	1301.55	1074	22.9	24.8	20
21	1322.62	2877	27.6	70.5	1303.90	1215	36.6	39.7	1301.94	1096	22.2	17.5	1301.47	1069	22.3	24.7	21
22	1321.86	2792	28.5	70.6	1303.63	1198	32.1	40.2	1302.17	1110	22.1	15.1	1301.39	1064	22.1	24.7	22
23	1321.05	2703	26.7	70.6	1303.21	1172	27.4	40.1	1302.48	1128	24.3	15.1	1301.32	1060	22.8	24.7	23
24	1320.21	2612	25.3	70.2	1302.72	1142	25.3	40.1	1302.77	1145	23.7	15.1	1301.26	1057	23.3	24.7	24
25	1319.36	2522	25.6	70.2	1302.19	1111	24.8	40.1	1303.06	1163	24.4	15.1	1301.98	1098	45.4	24.7	25
26	1318.51	2434	26.8	70.5	1301.61	1077	23.4	40.1	1303.36	1181	24.2	15.1	1322.45	2858	950.3	63.0	26
27	1317.65	2347	27.4	70.4	1301.00	1042	22.7	40.1	1303.45	1187	25.0	21.7	1332.62	4153	737.1	84.1	27
28	1316.76	2260	27.8	70.4	1300.38	1008	23.2	40.1	1303.40	1184	23.9	25.2	1335.35	4554	283.3	81.0	28
29	1315.84	2172	27.0	70.2	1299.68	970	21.3	40.4	1303.36	1181	23.8	25.2	1336.67	4758	184.6	81.1	29
30	1314.92	2085	27.2	70.1	1299.40	955	22.9	30.3	1303.31	1178	24.0	25.3	1337.49	4887	147.8	82.4	30
31	1313.97	1999	27.5	70.2					1303.28	1176	24.5	25.3	1338.13	4989	135.9	83.9	31
TOTAL			857.6	2062.7			696.2	1209.7			739.1	622.3			3031.3	1102.2	
Inf. Ac. Ft.			1701.0				1380.9				1466.0				6012.5	10560.4	
Outf. Ac. Ft.			4091.3 + (65.9)				2399.4 + (25.4)				1234.3 + (10.7)				2186.2 + (13.2)	9911.2 + (115.3)	
Maximum Mean Daily Inflow			30.1				36.6				26.4				950.3	950.3	
Minimum Mean Daily Inflow			25.3				16.3				22.1				20.9	16.3	
Storage Change			-2456				-1044				+221				+3813	+534.	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1363.33	feet on	6/8/56	Storage	10166.	Acre Feet		
Min. W. S. Elev.	1290.87	feet on	9/30/56	Storage	558.	Acre Feet		
Max. Peak Inf.	2250.	C. F. S. from	4:00 P.M.	on	1/26/56	to	5:00 P.M.	on 1/26/56
Max. Peak Outf.	1780.	C. F. S. from	9:10 A.M.	on	9/19/56	to	11:00 A.M.	on 9/19/56
REMARKS	() INDICATES EVAPORATION LOSSES							

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
O.R. WATKINS	Dam Tender	Gage Hts. copied	JHL	HRW
E.K. DE VORE	Hydrographer	Storage applied	JHL	HRW
	Hydrographer	Inf. & Outf. comp.	JHL	HRW

76D138N-68B Gb 7-55

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAN GABRIEL Dam

In ~~On~~ San Gabriel Canyon for the Year Ending September 30, 19 56

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 19 54 Survey 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	1338.49	5047	115.3	85.1	1337.53	4893	53.6	60.2	1338.13	4989	43.8	35.1	1349.91	7169	86.1	42.4	1
2	1338.67	5077	102.0	85.6	1337.44	4879	54.1	60.1	1338.20	5000	41.7	35.3	1350.33	7257	88.2	42.4	2
3	1338.73	5086	91.1	85.7	1337.36	4866	54.3	59.9	1338.30	5017	45.3	35.3	1350.69	7332	81.7	42.6	3
4	1338.74	5088	87.3	85.3	1337.23	4846	49.8	59.5	1338.38	5030	43.4	35.3	1351.03	7402	79.0	42.6	4
5	1338.67	5077	80.2	85.3	1337.19	4839	49.9	52.8	1338.44	5039	41.1	35.2	1351.39	7479	82.6	42.6	5
6	1338.56	5059	77.0	85.3	1337.21	4842	52.3	49.5	1338.50	5049	41.1	34.9	1351.73	7551	80.9	42.6	6
7	1338.42	5036	74.6	85.7	1337.22	4844	51.8	49.4	1338.55	5057	40.1	34.9	1352.03	7614	76.7	42.7	7
8	1338.21	5002	69.4	85.6	1337.21	4842	49.8	49.4	1338.59	5064	39.5	34.9	1352.34	7681	76.8	42.2	8
9	1338.00	4968	69.1	85.6	1337.39	4871	49.8	34.3	1338.64	5072	39.6	34.9	1353.57	7947	176.0	41.9	9
10	1337.75	4928	66.4	85.6	1337.37	4868	49.2	49.7	1338.69	5080	39.7	34.9	1354.68	8190	166.0	41.9	10
11	1337.68	4917	64.2	68.7	1337.32	4860	46.3	49.7	1338.80	5098	44.6	35.2	1355.54	8380	139.5	42.1	11
12	1337.68	4917	60.9	60.2	1337.27	4852	47.4	49.7	1339.67	5242	107.9	35.3	1356.37	8565	137.2	42.4	12
13	1337.68	4917	60.4	60.2	1337.22	4844	46.6	49.7	1340.76	5427	128.6	35.1	1357.07	8722	124.9	42.4	13
14	1337.67	4916	60.1	60.2	1337.19	4839	48.2	49.7	1341.36	5531	88.4	35.1	1357.70	8864	117.4	42.4	14
15	1337.63	4909	57.1	60.2	1337.11	4826	44.7	49.7	1341.82	5612	76.9	35.1	1358.27	8992	110.3	42.6	15
16	1337.62	4908	60.6	59.9	1337.15	4833	44.2	39.5	1342.26	5690	75.1	35.1	1358.71	9092	104.0	50.5	16
17	1337.59	4903	58.3	59.9	1337.25	4849	44.0	34.6	1342.75	5778	80.3	35.1	1359.12	9185	103.4	55.1	17
18	1337.53	4893	55.8	59.9	1337.33	4861	42.1	35.1	1343.27	5872	83.0	35.1	1359.50	9272	101.8	55.6	18
19	1337.45	4881	54.5	59.9	1337.44	4879	44.9	35.1	1343.75	5960	85.3	39.5	1359.84	9350	96.9	55.5	19
20	1337.35	4865	52.9	60.0	1337.58	4901	41.6	29.3	1344.27	6057	92.0	41.6	1360.12	9415	90.0	55.5	20
21	1337.23	4846	51.5	60.2	1337.65	4912	41.5	34.9	1344.77	6151	90.8	41.7	1360.40	9480	89.8	55.2	21
22	1337.12	4828	51.1	60.2	1337.71	4922	41.0	35.1	1345.27	6246	90.8	41.6	1360.68	9545	89.6	54.9	22
23	1337.38	4869	80.9	60.2	1337.78	4933	41.9	35.1	1345.71	6330	84.9	41.4	1360.93	9603	85.9	54.9	23
24	1337.63	4909	81.1	60.2	1337.82	4939	39.3	35.1	1346.13	6410	83.1	41.4	1361.21	9668	89.1	54.8	24
25	1337.72	4923	67.9	60.2	1337.86	4946	39.6	35.1	1346.53	6489	82.8	41.9	1361.47	9729	86.5	54.8	25
26	1337.74	4927	62.9	60.2	1337.91	4954	39.9	35.1	1347.28	6637	117.0	42.1	1361.73	9789	86.0	54.8	26
27	1337.72	4923	59.1	60.2	1337.96	4962	40.6	35.1	1347.98	6776	113.3	42.1	1361.96	9843	83.3	54.8	27
28	1337.69	4919	58.9	60.2	1337.98	4965	38.1	35.1	1348.54	6889	100.9	42.4	1362.19	9897	83.8	54.9	28
29	1337.62	4908	55.4	60.2	1337.99	4966	37.2	35.1	1349.04	6990	94.6	42.4	1362.40	9946	80.8	55.1	29
30					1338.00	4968	37.4	35.2	1349.50	7085	91.5	42.4	1362.59	9991	80.0	55.1	30
31					1338.03	4973	38.1	35.1					1362.72	10022	73.2	55.1	31
TOTAL			1966.0	2005.7			1399.2	1332.9			2227.1	1132.3			3047.4	1512.4	
Inf. Ac. Ft.			3939.2				2775.3				4417.4				6044.4	21778.7	
Outf. Ac. Ft.			3978.2 + (41.9)				2643.8 + (66.4)				2245.9 + (59.5)				2999.8 + (107.7)	21778.9 + (390.8)	
Maximum Mean Daily Inflow			115.3				54.3				128.6				176.0	950.3	
Minimum Mean Daily Inflow			51.1				37.2				39.5				73.2	16.3	
Storage Change			-810				+650				+2112				+2937	+5567.0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1363.33	feet on	6/8/56	Storage	10166.	Acre Feet		
Min. W. S. Elev.	1290.87	feet on	9/30/56	Storage	558.	Acre Feet		
Max. Peak Inf.	2250.	C. F. S. from	4:00 P.M.	on	1/26/56	to	5:00 P.M.	on 1/26/56
Max. Peak Outf.	1780.	C. F. S. from	9:10 A.M.	on	9/19/56	to	11:00 A.M.	on 9/19/56
REMARKS	() INDICATES EVAPORATION LOSSES							

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
O.R. WATKINS	Dam Tender	Gage Hts. copied	JHL	HRW
E.K. DE VORE	Hydrographer	Storage applied	JHL	HRW
	Hydrographer	Inf. & Outf. comp.	JHL	HRW

76D138N-68B Gb 7-55

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, 1956

On

Continuous Water Stage Recorder Au

Drainage Area 202.7 Square Miles. Capacity of Reservoir 44,013 Ac. Ft. at Spillway Elev. 1453.0 Ft. as of May 1954 Survey 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	1362.84	10055	72.4	55.1	1361.07	9635	37.7	55.4	1353.70	7975	27.2	55.1	1339.90	5280	21.0	59.4	1
2	1362.96	10079	71.9	55.1	1360.93	9603	41.3	55.3	1353.40	7910	25.3	55.1	1339.41	5198	19.6	59.1	2
3	1363.04	10097	67.4	55.1	1360.76	9563	37.0	54.9	1353.11	7847	26.1	55.1	1338.91	5115	19.6	59.1	3
4	1363.11	10114	66.1	55.1	1360.61	9529	40.2	54.6	1352.80	7780	24.8	55.1	1338.38	5030	19.4	59.7	4
5	1363.20	10135	68.1	55.1	1360.42	9484	35.3	55.3	1352.49	7713	25.1	55.1	1337.85	4944	18.6	59.9	5
6	1363.27	10152	65.7	55.1	1360.23	9440	36.4	55.7	1352.03	7614	24.5	71.6	1337.31	4858	18.7	59.7	6
7	1363.32	10164	63.5	55.1	1360.03	9394	36.0	55.7	1350.71	7336	24.0	161.1	1336.79	4776	20.9	59.6	7
8	1363.33	10166	58.3	55.1	1359.85	9353	38.4	55.7	1350.36	7263	24.3	57.7	1336.23	4689	18.5	59.6	8
9	1363.32	10164	56.5	55.1	1359.62	9300	31.9	55.5	1349.96	7180	22.3	60.8	1335.67	4603	18.9	59.6	9
10	1363.30	10159	54.8	55.1	1359.39	9247	32.0	55.5	1349.57	7099	23.0	60.8	1335.10	4516	17.9	59.4	10
11	1363.24	10145	51.1	54.9	1359.14	9190	29.9	55.5	1349.17	9017	22.3	60.8	1334.52	4430	17.9	59.4	11
12	1363.18	10131	51.7	54.9	1358.91	9138	32.3	55.5	1348.74	6928	18.5	60.8	1333.95	4346	19.6	59.7	12
13	1363.10	10112	48.2	54.9	1358.69	9088	33.2	55.5	1348.33	6847	22.1	60.8	1333.35	4258	17.8	59.8	13
14	1363.04	10097	49.5	54.8	1358.46	9035	31.9	55.4	1347.92	6764	22.0	60.8	1332.73	4169	18.0	60.4	14
15	1363.00	10088	52.7	54.7	1358.20	8976	29.2	55.4	1347.48	6677	19.8	60.8	1332.12	4082	19.4	60.8	15
16	1362.95	10076	50.7	54.6	1357.95	8920	30.5	55.3	1347.07	6595	22.1	60.8	1331.49	3994	17.9	60.4	16
17	1362.87	10057	47.5	54.8	1357.70	8864	29.6	55.1	1346.65	6512	21.3	60.8	1330.85	3906	18.6	61.1	17
18	1362.79	10038	47.6	54.8	1357.43	8803	26.7	55.0	1346.22	6428	21.0	60.8	1330.21	3819	18.0	60.2	18
19	1362.71	10020	47.9	54.6	1357.19	8749	30.4	54.9	1345.80	6347	22.8	60.8	1329.49	2751	18.0	555.1	19
20	1362.62	9998	45.8	54.7	1356.94	8693	29.5	54.9	1345.37	6265	22.3	60.7	1317.93	2375	19.0	207.3	20
21	1362.53	9977	46.6	54.9	1356.69	8637	29.3	54.9	1344.94	6183	22.0	60.2	1317.12	2295	20.7	60.0	21
22	1362.44	9956	46.8	54.9	1356.42	8576	26.6	54.8	1344.46	6092	17.2	60.2	1316.29	2215	21.0	60.0	22
23	1362.32	9928	43.4	54.9	1356.17	8520	28.6	54.7	1344.01	6008	20.9	60.2	1315.39	2129	17.8	60.0	23
24	1362.21	9902	44.1	54.9	1355.90	8460	26.7	54.6	1343.56	5925	21.1	60.2	1311.33	1768	18.0	198.7	24
25	1362.07	9869	42.0	55.3	1355.63	8400	26.1	54.6	1343.07	5836	17.4	60.2	1303.25	1174	19.0	317.4	25
26	1361.92	9833	40.6	55.5	1355.39	8347	30.3	54.4	1342.58	5747	16.9	60.2	1298.66	916	20.0	149.4	26
27	1361.77	9798	40.7	55.4	1355.15	8293	30.6	55.1	1342.16	5672	23.7	60.1	1296.89	827	16.0	60.3	27
28	1361.60	9759	38.5	55.4	1354.88	8234	29.0	55.5	1341.71	5592	21.0	59.9	1295.00	738	16.0	60.3	28
29	1361.42	9717	37.1	55.4	1354.57	8165	23.7	55.5	1341.27	5515	22.6	59.7	1293.06	651	17.0	60.1	29
30	1361.24	9675	36.8	55.4	1354.29	8104	27.9	55.3	1340.83	5439	22.8	59.6	1290.87	558	13.6	60.1	30
31					1353.98	8036	23.9	55.1	1340.37	5360	21.6	59.6					31
TOTAL			1554.0	1650.7			972.1	1710.5			688.0	1955.5			556.4	2925.6	
Inf. Ac. Ft.			30823				19281				13646				11036	35215.3	
Outf. Ac. Ft.			3274.1+(155.1)				3392.7+(174.3)				3878.7+(161.9)			5802.8+(102.7)		38127.2+(984.6)	
Maximum Mean Daily Inflow			72.4				41.3				27.2				21.0	950.3	
Minimum Mean Daily Inflow			36.8				23.7				16.9				13.6	13.6	
Storage Change		-347				-1639				-2676				-4802		-3897.	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1363.33	feet	on	6/8/56	Storage	10166.	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1290.87	feet	on	9/30/56	Storage	558.	Acre Feet	O.R. WATKINS	Dam Tender	Gage Hts. copied	JHL	HRW
Max. Peak Inf.	2250.	C.F.S. from	4:00 P.M.	on	1/26/56	to	5:00 P.M.	on	1/26/56	E.K. DE VORE	Hydrographer	Storage applied	JHL	HRW
Max. Peak Outf.	1780.	C.F.S. from	9:10 A.M.	on	9/19/56	to	11:00 A.M.	on	9/19/56		Hydrographer	Inf. & Outf. comp.	JHL	HRW

REMARKS () INDICATES EVAPORATION LOSSES

76D138N-68B Gb 7-55

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, 1957

On

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 Survey 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	12d6.82	404	18.0	95.4		0	** 21.4	21.4	1293.58	674	16.3	16.9	1294.03	694	17.3	17.5	1
2	12d4.20	138	18.0	152.1		0	20.7	20.7	1293.54	672	16.2	16.9	1294.02	694	17.8	17.5	2
3		151	18.0	80.0		0	20.5	20.5	1293.46	669	16.0	17.2	1294.02	694	17.7	17.5	3
4		139	17.4	18.0		0	21.2	21.2	1293.41	666	16.1	17.4	1294.09	697	18.6	17.2	4
5		127	19.9	20.5		0	21.2	21.2	1293.62	676	22.4	17.4	1295.27	751	44.2	17.0	5
6		115	19.7	20.3		0	19.8	19.8	1293.93	689	24.2	17.4	1295.81	776	29.7	17.0	6
7		103	18.9	19.5		0	20.3	20.3	1294.06	695	20.7	17.4	1296.26	797	27.8	17.0	7
8		91	18.2	18.8		0	19.7	19.7	1294.13	699	19.7	17.4	1296.79	822	29.9	17.0	8
9		79	17.3	17.9	1262.50	371	38.2	13.3	1294.19	701	18.6	17.4	1297.11	838	27.3	19.5	9
10		67	16.3	16.9	1281.80	236	128.2	0	1294.22	703	18.7	17.4	1298.34	900	54.4	23.2	10
11		56	17.0	17.6	1288.95	482	155.7	0	1294.33	708	18.7	16.0	1298.96	931	41.2	25.1	11
12		44	17.5	18.1	1292.95	646	102.7	11.6	1294.45	713	18.7	15.9	1300.02	988	56.4	28.0	12
13		34	18.4	18.9	1293.94	690	** 36.2	17.4	1294.47	714	18.1	17.4	1323.91	3026	1087.5	59.9	13
14		24	17.2	17.7	1294.08	697	21.3	17.4	1294.48	714	17.6	17.4	1326.22	3303	224.5	84.1	14
15		12	17.0	17.6	1294.11	698	18.6	17.7	1294.50	715	18.2	17.4	1326.88	3385	127.9	86.0	15
16		0	17.6	18.2	1294.12	698	17.9	17.5	1294.52	716	18.2	17.4	1327.10	3413	100.7	86.0	16
17		0	18.1	18.1	1294.14	699	17.8	16.9	1294.51	716	17.7	17.4	1327.06	3408	84.5	86.0	17
18		0	18.0	18.0	1294.15	699	17.3	16.9	1294.40	711	17.0	19.3	1327.09	3412	77.0	74.2	18
19		0	17.3	17.3	1294.14	699	17.2	16.9	1294.39	710	17.3	17.5	1327.23	3429	70.0	60.3	19
20		0	17.8	17.8	1294.12	698	16.8	16.9	1294.34	708	17.9	18.6	1327.39	3450	70.9	60.3	20
21		0	17.8	17.8	1294.13	699	17.8	16.9	1294.36	709	18.2	17.5	1327.48	3461	66.6	60.3	21
22		0	18.5	18.5	1294.10	697	16.3	16.9	1294.35	709	17.8	17.5	1327.48	3461	60.6	60.0	22
23		0	19.4	19.4	1294.07	696	16.7	16.9	1294.36	709	17.7	17.5	1327.45	3458	58.1	60.0	23
24		0	20.0	20.0	1294.02	694	16.3	16.9	1294.35	709	17.9	17.5	1327.43	3455	59.0	60.3	24
25		0	20.3	20.3	1293.96	691	15.8	16.9	1294.30	706	16.3	17.5	1327.38	3449	57.2	60.3	25
26		0	19.6	19.6	1293.89	688	15.8	16.9	1294.27	705	17.3	17.5	1327.69	3488	80.5	60.3	26
27		0	20.3	20.3	1293.84	686	16.2	16.9	1294.22	703	16.8	17.5	1327.84	3508	70.2	60.5	27
28		0	21.5	21.5	1293.78	683	15.6	16.9	1294.18	701	16.8	17.5	1327.91	3516	64.7	60.2	28
29		0	23.1	23.1	1293.72	680	15.8	16.9	1294.12	698	16.4	17.5	1328.09	3540	71.9	60.0	29
30		0	22.3	22.4	1293.63	676	15.3	16.9	1294.09	697	17.3	17.5	1328.18	3551	66.4	60.0	30
31		0	21.4	21.4					1294.06	695	16.8	17.5	1328.21	3555	62.6	60.0	31
TOTAL			581.8	862.9			914.3	496.3			557.6	539.6			2943.0	1492.2	
Inf. Ac. Ft.			11540				1813.5+(138.6)*				1106.0				5837.4	9910.9-(138.6)*	
Outf. Ac. Ft.			1711.5+ (0.4)				984.4+ (14.5)				1070.3+ (16.7)			2959.7+ (17.3)		6725.9+ (48.4)	
Maximum Mean Daily Inflow			23.1				155.7				24.2				1087.5	1087.5	
Minimum Mean Daily Inflow			16.3				15.3				16.0				17.3	15.3	
Storage Change		-558				+676				+19.				+2860		+2997.0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1350.12	feet	on	4/12/57	Storage	7213	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	EMPTY	feet	on	9/16 TO 10/8	Storage	0	Acre Feet	O.R. WATKINS	Dam Tender	Gage Hts. copied	JHL	FES
Max. Peak Inf.	2850.	C.F.S. from	6:00 A.M.	on	1/13/57	to	7:00 A.M.	on	1/13/57	E.K. DE VORE	Hydrographer	Storage applied	JHL	FES
Max. Peak Outf.	705.	C.F.S. from	4:00 P.M.	on	4/12/57	to	6:18 P.M.	on	4/12/57		Hydrographer	Inf. & Outf. comp.	JHL	FES

REMARKS
* 138.6 ACRE FEET INTO BANK STORAGE
** INFLOW FROM STATIONS P3-R & P4B-R
() INDICATES EVAPORATION LOSSES

76D138N-68B Gb 7-55

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAN GABRIEL Dam

In / On San Gabriel Canyon for the Year Ending September 30, 19 57

Drainage Area 202.7 Square Miles. Capacity of Reservoir 44013 Ac. Ft. at Spillway Elev. 1453.0 Ft. as of May, 19 54 Survey

Continuous Water Stage Recorder Au

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	1328.18	3551	62.3	63.7	1342.47	5728	190.2	84.8	1349.11	7005	69.4	50.1	1321.22	2721	57.5	40.4	1
2	1328.08	3538	63.8	69.9	1343.42	5900	172.3	85.1	1349.22	7027	63.5	50.1	1321.51	2754	57.9	40.2	2
3	1327.98	3525	64.1	69.9	1344.24	6051	162.1	85.4	1349.31	7046	61.6	50.2	1321.75	2780	54.2	40.1	3
4	1327.87	3511	63.6	69.9	1345.00	6194	157.2	84.5	1349.41	7066	61.9	50.2	1321.98	2806	54.3	40.1	4
5	1327.74	3495	62.7	69.9	1345.67	6322	148.9	84.1	1349.49	7083	60.2	50.2	1322.20	2830	53.2	40.1	5
6	1327.62	3479	62.5	69.9	1346.29	6442	145.3	84.1	1349.57	7099	59.2	50.2	1322.39	2852	52.2	40.1	6
7	1327.46	3459	60.0	69.9	1346.84	6550	140.3	84.4	1349.64	7114	59.6	50.3	1322.63	2879	54.4	40.1	7
8	1327.49	3463	72.0	69.9	1347.29	6639	129.5	84.2	1349.72	7130	60.3	50.3	1322.85	2903	53.3	40.1	8
9	1328.30	3567	122.6	70.0	1347.76	6732	131.0	84.1	1349.77	7141	57.1	50.3	1323.06	2927	53.2	40.1	9
10	1329.10	3671	122.7	70.0	1348.09	6798	118.3	84.1	1349.90	7157	57.6	43.4	1323.46	2973	59.8	36.3	10
11	1329.87	3773	122.0	70.1	1348.32	6845	108.8	84.3	1350.05	7198	56.7	40.0	1324.26	3067	77.7	29.9	11
12	1330.50	3858	113.7	70.1	1348.49	6879	102.3	84.4	1348.30	6841	84.8	26.35	1324.89	3141	67.8	29.9	12
13	1331.00	3926	105.1	70.1	1348.65	6911	101.9	84.4	1341.90	5626	77.6	68.90	1325.40	3203	62.0	30.0	13
14	1331.41	3983	99.6	70.3	1348.77	6936	98.5	84.2	1334.25	4390	58.5	68.08	1325.90	3264	61.5	30.0	14
15	1331.77	4033	95.8	70.2	1348.83	6948	91.0	84.1	1325.12	3169	57.8	67.24	1326.12	3291	60.1	45.4	15
16	1332.07	4075	91.5	70.0	1349.06	6994	107.4	84.1	1313.60	1966	58.5	66.42	1326.17	3297	57.1	53.1	16
17	1332.32	4110	87.7	70.0	1349.16	7015	95.5	84.1	1313.53	1959	76.8	80.0	1326.17	3297	54.0	53.1	17
18	1332.53	4140	85.4	70.0	1349.23	7029	92.3	84.3	1314.58	2054	88.2	39.8	1326.25	3307	58.3	53.1	18
19	1332.69	4163	82.0	70.1	1349.30	7044	93.0	84.2	1315.24	2115	71.2	39.8	1327.09	3406	104.1	53.1	19
20	1332.82	4181	79.7	70.1	1349.31	7046	85.5	83.8	1316.09	2195	80.3	39.9	1327.56	3474	87.9	53.1	20
21	1332.89	4191	75.8	70.1	1349.31	7046	84.8	83.5	1316.94	2277	81.7	39.5	1328.03	3532	83.5	53.1	21
22	1332.95	4200	74.8	70.3	1349.30	7044	84.8	83.7	1317.61	2343	73.4	39.9	1328.37	3576	76.2	53.0	22
23	1336.08	4665	305.1	70.6	1349.23	7029	77.7	83.8	1318.20	2402	70.3	40.1	1328.68	3616	73.9	53.0	23
24	1337.52	4892	185.7	70.7	1349.13	7009	76.3	83.8	1318.74	2457	68.5	40.2	1328.95	3652	72.1	53.0	24
25	1338.52	5052	152.0	70.7	1349.04	6990	75.6	83.8	1319.23	2508	66.6	40.2	1329.19	3678	67.5	53.0	25
26	1339.49	5212	157.5	76.2	1348.91	6964	72.1	83.9	1319.67	2554	64.6	40.4	1329.28	3695	63.0	53.2	26
27	1340.24	5338	148.3	84.5	1348.79	6940	73.5	83.9	1320.05	2594	61.7	40.4	1329.38	3708	60.7	53.2	27
28	1341.30	5520	176.4	84.6	1348.63	6907	68.4	83.9	1320.35	2627	58.2	40.4	1329.48	3721	60.8	53.2	28
29					1348.61	6903	67.8	68.4	1320.64	2658	56.9	40.4	1329.59	3736	62.0	53.2	29
30					1348.79	6940	70.2	50.1	1320.93	2689	57.0	40.4	1329.86	3772	60.9	41.7	30
31					1348.95	6972	67.4	50.1					1330.27	3827	59.0	30.2	31
TOTAL			2994.4	1991.7			3289.9	2525.6			1979.7	4107.0			1979.9	1377.9	
Inf. Ac. Ft.			5039.3				6525.4				3926.7				3927.1	30229.4-(138.6)*	
Outf. Ac. Ft.			3950.5 - (23.8)				5009.5 + (63.9)				8146.1 + (63.5)				2733. + (56.1)	26565.0+(256.2)	
Maximum Mean Daily Inflow			305.1				190.2				88.2				104.1	1087.5	
Minimum Mean Daily Inflow			60.0				67.4				56.7				52.2	15.3	
Storage Change		+1965				+1452				-4283				+1138		+3269.0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1350.12	feet	on 4/12/57	Storage	7213	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	EMPTY	feet	on 9/16 TO 10/8	Storage	0	Acre Feet	O.R. WATKINS	Dam Tender	Gage Hts. copied	JHL FES
Max. Peak Inf.	2850.	C.F.S. from	6:00 A.M. on 1/13/57	to	7:00 A.M. on	1/13/57	E.K. DE VORE	Hydrographer	Storage applied	JHL FES
Max. Peak Outf.	705	C.F.S. from	4:00 P.M. on 4/12/56	to	6:18 P.M. on	4/12/57		Hydrographer	Inf. & Outf. comp.	JHL FES

REMARKS ( ) INDICATES EVAPORATION LOSSES

* 138.6 ACRE FEET INTO BANK STORAGE

76D138N-68B Gb 7-55

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAN GABRIEL Dam

In / On San Gabriel Canyon for the Year Ending September 30, 19 57

Drainage Area 202.7 Square Miles. Capacity of Reservoir 44013 Ac. Ft. at Spillway Elev. 1453.0 Ft. as of May, 19 54 Survey

Continuous Water Stage Recorder AU

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	1330.62	3874	55.4	30.2	1335.75	4615	309	30.2	1333.13	4226	20.3	30.2	1323.30	2955	24.1	40.5	1
2	1330.93	3916	53.1	30.2	1335.77	4618	33.6	30.2	1332.87	4169	20.6	36.9	1322.98	2918	23.2	40.5	2
3	1331.20	3954	51.0	30.2	1335.78	4620	33.8	30.2	1332.58	4147	21.4	40.2	1322.67	2883	24.4	40.5	3
4	1331.45	3989	49.7	30.2	1335.73	4612	29.1	30.2	1332.25	4100	18.8	40.2	1322.34	2846	23.1	40.2	4
5	1331.68	4021	48.3	30.5	1335.70	4607	29.5	30.2	1332.00	4065	24.4	40.2	1322.00	2808	22.7	40.2	5
6	1331.93	4055	48.9	30.2	1335.68	4604	30.2	30.2	1331.72	4026	22.6	40.2	1321.65	2769	22.4	40.2	6
7	1332.18	4091	49.6	30.2	1335.63	4597	29.0	30.2	1331.47	3991	24.1	40.0	1321.29	2729	21.5	39.9	7
8	1332.48	4133	52.6	30.2	1335.59	4591	29.3	30.2	1331.19	3952	22.0	39.7	1320.94	2691	21.6	39.5	8
9	1332.79	4177	53.0	30.2	1335.54	4583	28.0	30.2	1330.91	3914	22.6	39.9	1320.61	2655	22.4	39.5	9
10	1333.19	4235	60.2	30.2	1335.49	4575	27.7	30.2	1330.63	3876	22.5	40.0	1320.27	2618	22.7	40.2	10
11	1333.52	4283	55.4	30.2	1335.43	4566	28.0	30.2	1330.33	3835	21.1	40.0	1319.92	2580	22.8	40.7	11
12	1333.77	4319	49.4	30.2	1335.37	4557	27.8	30.2	1330.02	3793	21.1	40.4	1319.60	2547*	25.3	40.7	12
13	1334.03	4357	50.1	30.2	1335.28	4544	26.6	30.2	1329.72	3753	22.6	40.7	1319.26	2511	23.7	40.7	13
14	1334.27	4393	49.6	30.2	1335.19	4530	26.1	30.2	1329.39	3709	20.4	40.5	1318.90	2474	23.0	40.7	14
15	1334.51	4428	48.9	30.2	1335.10	4516	25.6	30.2	1329.06	3666	20.9	40.5	1318.55	2438	23.6	40.7	15
16	1334.72	4460	48.5	30.2	1335.02	4504	26.0	30.2	1328.72	3623	20.9	40.5	1318.15	2397	20.8	40.7	16
17	1334.85	4479	42.6	30.2	1334.94	4492	26.1	30.2	1328.38	3577	19.5	40.5	1317.82	2364	25.1	40.7	17
18	1334.96	4495	40.7	30.2	1334.84	4477	24.6	30.2	1328.04	3533	19.7	40.2	1317.54	2336	27.5	40.7	18
19	1335.03	4506	37.7	30.2	1334.76	4465	26.4	30.2	1327.70	3490	20.0	40.2	1317.25	2308	26.6	39.9	19
20	1335.13	4521	39.6	30.2	1334.66	4451	25.2	30.2	1327.39	3450	21.4	40.2	1316.96	2279	25.7	39.5	20
21	1335.23	4536	39.3	30.2	1334.55	4434	23.6	30.2	1327.07	3409	21.2	40.2	1316.62	2246	24.2	39.5	21
22	1335.33	4551	39.2	30.2	1334.45	4420	25.7	30.2	1326.74	3368	21.5	40.2	1316.22	2208	21.4	39.2	22
23	1335.40	4562	37.6	30.2	1334.35	4405	24.9	30.2	1326.37	3322	19.5	40.7	1315.80	2168	21.5	40.4	23
24	1335.46	4571	36.1	30.2	1334.23	4387	23.0	30.2	1326.02	3278	20.6	40.7	1315.37	2128	21.2	40.4	24
25	1335.52	4580	36.0	30.2	1334.12	4371	24.1	30.2	1325.65	3233	20.0	40.7	1314.95	2088	20.9	40.4	25
26	1335.58	4589	36.4	30.2	1334.01	4354	23.7	30.2	1325.29	3189	20.3	40.5	1314.50	2047	20.9	40.5	26
27	1335.62	4595	35.0	30.2	1333.88	4335	22.6	30.2	1324.92	3145	20.6	40.5	1314.07	2008	21.9	40.5	27
28	1335.66	4601	34.8	30.2	1333.75	4316	22.7	30.2	1324.52	3097	18.2	40.5	1313.63	1968	21.5	40.5	28
29	1335.71	4609	36.0	30.2	1333.61	4296	22.3	30.2	1324.19	3058	22.5	40.5	1313.16	1926	20.2	40.5	29
30	1335.77	4618	36.9	30.2	1333.45	4273	21.1	30.2	1323.90	3024	25.0	40.5	1312.70	1886	21.3	40.5	30
31					1333.30	4251	21.6	30.2	1323.61	2991	25.3	40.5					31
TOTAL			1351.6	906.3			818.8	936.2			661.6	1236.7			687.2	1208.3	
Inf. Ac. Ft.			2680.9				1624.1				1312.3				1363.0	32608.2-(138.6)*	
Outf. Ac. Ft.			1797.6 + (92.2)				1856.9 + (134.1)				2453.0 + (119.2)				2396.6 + (71.4)	30069.1+(256.7)	
Maximum Mean Daily Inflow			60.2				33.8				25.3				27.5	1087.5	
Minimum Mean Daily Inflow			34.8				21.1				18.2				20.2	15.3	
Storage Change		+791				-367				-1260				-1105		+1328	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1350.12	feet	on 4/12/57	Storage	7213	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	EMPTY	feet	on 9/16 TO 10/8	Storage	0	Acre Feet	O.R. WATKINS	Dam Tender	Gage Hts. copied	JHL FES
Max. Peak Inf.	2850.	C.F.S. from	6:00 A.M. on 1/13/57	to	7:00 A.M. on	1/13/57	E.K. DE VORE	Hydrographer	Storage applied	JHL FES
Max. Peak Outf.	705.	C.F.S. from	4:00 P.M. on 4/12/57	to	6:18 P.M. on	4/12/57		Hydrographer	Inf. & Outf. comp.	JHL FES

REMARKS ( ) INDICATES EVAPORATION LOSSES

* 138.6 ACRE-FEET INTO BANK STORAGE

76D138N-688 Gb 7-55

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, 1956

~~On~~

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 Survey 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	1643.9	89.4	0.01	0	1643.7	88.3	(0.01	0	1628.0	27.5	(0.04	0	1628.8	29.6	(0.03	0	1
2	1643.9	89.4	0.01	0	1643.7	88.3	0.01	0	1628.0	27.5	0.04	0	1628.8	29.6	0.03	0	2
3	1643.9	89.4	0.01	0	1643.7	88.3	0.01	0	1628.0	27.5	0.04	0	1628.8	29.6	0.02	0	3
4	1643.9	89.4	0.01	0	1643.7	88.3	0.01	0	1628.1	27.8	0.04	0	1628.8	29.6	0.02	0	4
5	1643.8	88.8	0.01	0	1643.7	88.3	0.01	0	1628.2	28.0	0.04	0	1628.8	29.6	0.02	0	5
6	1643.8	88.8	0.01	0	1643.7	88.3	0.01	0	1628.2	28.0	0.04	0	1628.8	29.6	0.02	0	6
7	1643.8	88.8	0.01	0	1641.2	75.6	0.04	63	1628.2	28.0	0.04	0	1628.8	29.6	0.02	0	7
8	1643.8	88.8	0.01	0	1637.6	59.4	0.4	10.5	1628.3	28.3	0.04	0	1628.8	29.6	0.02	0	8
9	1643.8	88.8	0.01	0	1628.3	28.3	0.5	13.4	1628.3	28.3	0.04	0	1628.8	29.6	0.02	0	9
10	1643.8	88.8	0.01	0	1625.6	22.0	0.5	4.8	1628.3	28.3	0.04	0	1628.8	29.6	0.02	0	10
11	1643.8	88.8	0.01	0	1626.0	22.8	0.5	0	1628.4	28.5	0.04	0	1628.8	29.6	0.02	0	11
12	1643.8	88.8	0.01	0	1626.3	23.5	(0.4	0	1628.4	28.5	0.04	0	1628.9	29.8	0.02	0	12
13	1643.8	88.8	0.01	0	1626.5	23.9	0.2	0	1628.4	28.5	0.04	0	1628.9	29.8	0.02	0	13
14	1643.8	88.8	0.01	0	1626.7	24.3	0.2	0	1628.4	28.5	0.04	0	1628.9	29.8	0.02	0	14
15	1643.8	88.8	0.01	0	1626.8	24.6	0.2	0	1628.4	28.5	0.04	0	1628.9	29.8	0.02	0	15
16	1643.8	88.8	0.01	0	1626.9	24.8	0.2	0	1628.4	28.5	0.04	0	1628.9	29.8	0.02	0	16
17	1043.8	88.8	0.01	0	1627.0	25.0	0.1	0	1628.4	28.5	0.04	0	1628.9	29.8	0.02	0	17
18	1643.7	88.3	0.01	0	1627.1	25.2	0.1	0	1628.5	28.8	0.04	0	1628.9	29.8	0.02	0	18
19	1643.7	88.3	0.01	0	1627.2	25.5	0.1	0	1628.5	28.8	0.04	0	1628.9	29.8	0.02	0	19
20	1643.7	88.3	0.01	0	1627.2	25.5	(0.1	0	1628.5	28.8	0.04	0	1628.9	29.8	0.02	0	20
21	1643.7	88.3	0.01	0	1627.4	26.0	0.4	0	1628.5	28.8	0.04	0	1629.0	30.4	0.02	0	21
22	1643.7	88.3	0.01	0	1627.5	26.2	0.1	0	1628.5	28.8	0.04	0	1629.0	30.4	0.02	0	22
23	1643.7	88.3	0.01	0	1627.5	26.2	0.1	0	1628.6	29.1	0.04	0	1629.0	30.4	0.02	0	23
24	1643.7	88.3	0.01	0	1627.6	26.5	0.4	0	1628.6	29.1	0.03	0	1629.0	30.4	(0.02	0	24
25	1643.7	88.3	0.01	0	1627.6	26.5	0.1	0	1628.6	29.1	0.03	0	1629.3	30.9	0.4	0	25
26	1643.7	88.3	0.01	0	1627.7	26.8	0.1	0	1628.7	29.3	0.03	0	1637.4	58.6	1.4.0	0	26
27	1643.7	88.3	0.01	0	1627.7	26.8	0.05	0	1628.7	29.3	0.03	0	1641.6	77.5	9.5	0	27
28	1643.7	88.3	0.01	0	1627.8	27.0	0.05	0	1628.7	29.3	0.03	0	1642.7	83.1	2.8	0	28
29	1643.7	88.3	0.01	0	1627.8	27.0	0.05	0	1628.7	29.3	0.03	0	1643.3	86.2	1.6	0	29
30	1643.7	88.3	0.01	0	1627.9	27.2	(0.05	0	1628.7	29.3	0.03	0	1643.7	88.3	1.0	0	30
31	1643.7	88.3	0.01	0					1628.7	29.3	(0.03	0	1644.2	91.0	1.4	0	31
TOTAL			0.31	0			4.4	350			1.16	0			3120	0	
Inf. Ac. Ft.			0.60				8.7				2.3				619		73.5
Outf. Ac. Ft.			0 +	(1.7)			69.4 +	(0.5)			0 +	(0.2)			0 + (0.2)		69.4 + (2.6)
Maximum Mean Daily Inflow			0.01				0.5				0.04				1.4.0		14.0
Minimum Mean Daily Inflow			0.01				0.01				0.03				0.02		0.01
Storage Change			-1.1				-61.1				+2.1				+61.7		+1.6

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1656.5	feet	on 6/24 TO 7/15/56	Storage	175.8	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS ckd. Date
Min. W. S. Elev.	1625.0	feet	on 11/10/55	Storage	20.7	Acre Feet	D.E. WILSON	Dam Tender	Gage Hts. copied JHL HRW
Max. Peak Inf.	56.	C.F.S. from	4:00 P.M. on 1/26/56	to	5:00 P.M.	on 1/26/56	G.H. MIDDLETON	Hydrographer	Storage applied JHL HRW
Max. Peak Outf.	38.	C.F.S. from	8:20 A.M. on 8/7/56	to	9:15 A.M.	on 8/7/56		Hydrographer	Inf. & Outf. comp. JHL HRW

REMARKS () INDICATES EVAPORATION LOSSES
{ INDICATES AVERAGE FOR PERIOD OR PRORATED AMOUNTS

76D138N-688 Gb 7-55

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, 1956

~~On~~

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 Survey 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	1644.5	92.6	(0.8	0	1649.1	120.3	(0.4	0	1651.4	136.2	0.2	0	1654.0	155.6	(0.3	0	1
2	1644.7	93.7	0.7	0	1649.2	120.9	0.4	0	1651.5	136.9	0.2	0	1654.1	156.4	0.3	0	2
3	1645.0	95.3	0.6	0	1649.3	121.6	0.4	0	1651.5	136.9	0.2	0	1654.1	156.4	0.3	0	3
4	1645.2	96.4	0.6	0	1649.4	122.3	0.4	0	1651.6	137.6	0.2	0	1654.2	157.2	0.3	0	4
5	1645.4	97.6	(0.6	0	1649.5	123.0	0.4	0	1651.7	138.3	0.2	0	1654.2	157.2	0.3	0	5
6	1645.6	98.7	0.6	0	1649.6	123.6	0.4	0	1651.7	138.3	0.2	0	1654.3	158.0	0.3	0	6
7	1645.8	99.9	0.6	0	1649.7	124.3	0.4	0	1651.8	139.1	0.2	0	1654.4	158.8	0.3	0	7
8	1646.0	101.0	0.5	0	1649.8	125.0	0.4	0	1651.8	139.1	0.2	0	1654.4	158.8	(0.2	0	8
9	1646.1	101.6	0.5	0	1649.9	125.6	0.4	0	1651.9	139.8	0.2	0	1654.7	161.1	1.2	0	9
10	1646.3	102.8	(0.5	0	1650.0	126.3	(0.4	0	1651.9	139.8	0.2	0	1654.8	161.9	0.5	0	10
11	1646.4	103.4	(0.4	0	1650.0	126.3	(0.3	0	1651.9	139.8	(0.1	0	1654.9	162.7	(0.4	0	11
12	1646.5	104.0	(0.4	0	1650.1	127.0	0.3	0	1652.3	142.7	1.5	0	1655.0	163.5	0.4	0	12
13	1646.7	105.2	0.4	0	1650.2	127.7	0.3	0	1652.5	144.2	0.7	0	1655.1	164.3	0.3	0	13
14	1646.8	105.8	0.4	0	1650.3	128.4	0.3	0	1652.6	144.9	(0.4	0	1655.2	165.1	0.3	0	14
15	1646.9	106.4	(0.4	0	1650.4	129.1	(0.3	0	1652.7	145.7	0.4	0	1655.2	165.1	(0.3	0	15
16	1647.0	107.0	(0.4	0	1650.4	129.1	(0.3	0	1652.8	146.4	0.4	0	1655.3	165.9	(0.3	0	16
17	1647.2	108.2	0.4	0	1650.5	129.8	0.3	0	1652.9	147.2	0.4	0	1655.3	165.9	0.3	0	17
18	1647.3	108.9	0.4	0	1650.6	130.5	0.3	0	1653.0	147.9	0.3	0	1655.4	166.7	0.3	0	18
19	1647.4	109.5	0.4	0	1650.6	130.5	0.3	0	1653.0	147.9	0.3	0	1655.4	166.7	0.3	0	19
20	1647.5	110.1	0.3	0	1650.7	131.2	0.3	0	1653.1	148.7	0.3	0	1655.5	167.6	(0.3	0	20
21	1647.6	110.7	0.3	0	1650.8	131.9	0.3	0	1653.2	149.4	0.4	0	1655.5	167.6	0.3	0	21
22	1647.7	111.3	(0.3	0	1650.9	132.6	0.3	0	1653.3	150.2	0.4	0	1655.5	167.6	0.3	0	22
23	1648.1	113.8	1.3	0	1650.9	132.6	0.3	0	1653.3	150.2	(0.4	0	1655.6	168.4	0.2	0	23
24	1648.3	115.1	0.7	0	1651.0	133.3	0.3	0	1653.4	151.0	0.4	0	1655.6	168.4	0.2	0	24
25	1648.4	115.8	(0.4	0	1651.0	133.3	0.2	0	1653.4	151.0	0.3	0	1655.7	169.2	0.2	0	25
26	1648.5	116.4	0.4	0	1651.1	134.0	0.2	0	1653.6	152.5	0.3	0	1655.8	170.0	0.2	0	26
27	1648.7	117.7	0.4	0	1651.2	134.7	0.2	0	1653.7	153.3	0.3	0	1655.9	170.8	0.2	0	27
28	1648.8	118.3	(0.4	0	1651.2	134.7	0.2	0	1653.8	154.1	0.3	0	1655.9	170.8	0.2	0	28
29	1648.9	119.0	(0.4	0	1651.3	135.5	0.2	0	1653.9	154.8	0.3	0	1656.0	171.6	0.2	0	29
30					1651.3	135.5	0.2	0	1653.9	154.8	0.3	0	1656.0	171.6	0.2	0	30
31					1651.4	136.2	(0.2	0					1656.0	171.6	(0.2	0	31
TOTAL			14.5	0			9.6	0			10.2	0			9.6	0	
Inf. Ac. Ft.			28.8				19.0				20.2				19.0		160.5
Outf. Ac. Ft.			0 +	(0.8)			0 +	(1.8)			0 +	(1.6)			0 + (2.2)		69.4 + 19.0
Maximum Mean Daily Inflow			1.3				0.4				1.5				1.2		14.0
Minimum Mean Daily Inflow			0.3				0.2				0.1				0.2		0.01
Storage Change		+28.0				+17.2				+18.6				+16.8			82.2

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1656.5	feet	on 6/24 TO 7/15/56	Storage	175.8	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS ckd. Date
Min. W. S. Elev.	1625.0	feet	on 11/10/55	Storage	20.7	Acre Feet	D.E. WILSON	Dam Tender	Gage Hts. copied JHL HRW
Max. Peak Inf.	56.	C.F.S. from	4:00 P.M. on 1/26/56	to	5:00 P.M.	on 1/26/56	G.H. MIDDLETON	Hydrographer	Storage applied JHL HRW
Max. Peak Outf.	38.	C.F.S. from	8:20 A.M. on 8/7/56	to	9:15 A.M.	on 8/7/56		Hydrographer	Inf. & Outf. comp. JHL HRW

REMARKS () INDICATES EVAPORATION LOSSES
{ INDICATES AVERAGE FOR PERIOD

76D138N-6&8 Gb 7-55

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, 1956

Drainage Area 4.49 Square Miles. Capacity of Reservoir 951.6 Ac. Ft. at Spillway Elev. 1706.0 Ft. as of September 1941 Survey

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	1656.0	171.6	0.2	0	1656.5	175.8	0.1	0	1656.3	174.1	0	0	1633.6	44.2	0.1	0	1
2	1656.1	172.4	0.2	0	1656.5	175.8	0.1	0	1656.3	174.1	0	0	1633.7	44.6	0.1	0	2
3	1656.1	172.4	0.2	0	1656.5	175.8	0.1	0	1656.3	174.1	0	0	1633.7	44.6	0.05	0	3
4	1656.2	173.3	0.2	0	1656.5	175.8	0.1	0	1656.3	174.1	0	0	1633.7	44.6	0.05	0	4
5	1656.2	173.3	0.2	0	1656.5	175.8	0.1	0	1656.3	174.1	0	0	1633.8	44.9	0.05	0	5
6	1656.2	173.3	0.2	0	1656.5	175.8	0.1	0	1656.3	174.1	0	0	1633.8	44.9	0.05	0	6
7	1656.2	173.3	0.2	0	1656.5	175.8	0.1	0	1652.7	145.7	0.2	14.2	1633.8	44.9	0.05	0	7
8	1656.2	173.3	0.2	0	1656.5	175.8	0.1	0	1645.8	99.9	* 1.1	24.2	1633.8	44.9	0.05	0	8
9	1656.3	174.1	0.2	0	1656.5	175.8	0.1	0	1636.2	53.8	1.0	24.2	1633.8	44.9	0.05	0	9
10	1656.3	174.1	0.1	0	1656.5	175.8	0.1	0	1631.3	36.7	1.0	9.6	1633.8	44.9	0.05	0	10
11	1656.3	174.1	0.2	0	1656.5	175.8	0.1	0	1631.7	38.0	0.8	0	1633.9	45.3	0.05	0	11
12	1656.3	174.1	0.1	0	1656.5	175.8	0.1	0	1632.0	38.9	0.4	0	1633.9	45.3	0.05	0	12
13	1656.3	174.1	0.1	0	1656.5	175.8	0.1	0	1632.2	39.6	0.4	0	1633.9	45.3	0.05	0	13
14	1656.3	174.1	0.1	0	1656.5	175.8		0	1632.4	40.2	0.4	0	1633.9	45.3	0.05	0	14
15	1656.4	175.0	0.1	0	1656.5	175.8		0	1632.5	40.6	0.2	0	1633.9	45.3	0.05	0	15
16	1656.4	175.0	0.1	0	1656.4	175.0		0	1632.6	40.9	0.2	0	1633.9	45.3	0.05	0	16
17	1656.4	175.0	0.1	0	1656.4	175.0		0	1632.7	41.2	0.2	0	1633.9	45.3	0.05	0	17
18	1656.4	175.0	0.1	0	1656.4	175.0		0	1632.8	41.5	0.2	0	1633.9	45.3	0.05	0	18
19	1656.4	175.0	0.1	0	1656.4	175.0		0	1632.9	41.9	0.2	0	1633.9	45.3	0.05	0	19
20	1656.4	175.0	0.1	0	1656.4	175.0		0	1633.0	42.2	0.2	0	1633.9	45.3	0.05	0	20
21	1656.4	175.0	0.1	0	1656.4	175.0		0	1633.0	42.2	0.2	0	1633.9	45.3	0.05	0	21
22	1656.4	175.0	0.1	0	1656.4	175.0		0	1633.1	42.5	0.2	0	1633.9	45.3	0.05	0	22
23	1656.4	175.0	0.1	0	1656.4	175.0		0	1633.2	42.9	0.1	0	1633.9	45.3	0.05	0	23
24	1656.5	175.8	0.1	0	1656.4	175.0		0	1633.2	42.9	0.1	0	1634.0	45.6	0.05	0	24
25	1656.5	175.8	0.1	0	1656.4	175.0	NEGLIGIBLE	0	1633.3	43.2	0.1	0	1634.0	45.6	0.05	0	25
26	1656.5	175.8	0.1	0	1656.4	175.0		0	1633.3	43.2	0.1	0	1634.0	45.6	0.05	0	26
27	1656.5	175.8	0.1	0	1656.4	175.0		0	1633.4	43.6	0.1	0	1634.0	45.6	0.05	0	27
28	1656.5	175.8	0.1	0	1656.4	175.0		0	1633.4	43.6	0.1	0	1634.0	45.6	0.05	0	28
29	1656.5	175.8	0.1	0	1656.4	175.0		0	1633.5	43.9	0.1	0	1634.0	45.6	0.05	0	29
30	1656.5	175.8	0.1	0	1656.4	175.0		0	1633.5	43.9	0.1	0	1634.0	45.6	0.05	0	30
31					1656.3	174.1		0	1633.6	44.2	0.1	0					31
TOTAL			4.0	0			1.3	0			7.8	72.2			1.60	0	
Inf. Ac. Ft.			7.9				2.6				15.5				3.2		189.7
Outf. Ac. Ft.			0 +	(3.8)			0 +	(4.3)			143.2 +	(2.2)		0 +	(1.7)		212.6 + (21.0)
Maximum Mean Daily Inflow			0.2				0.1				1.1				0.1		14.0
Minimum Mean Daily Inflow			0.1								0				0.05		0.01
Storage Change		+ 4.2				- 1.7				- 129.9				+ 1.4			-43.8

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1656.5	feet	on 6/24 TO 7/15/56	Storage	175.8	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	1625.0	feet	on 11/10/55	Storage	20.7	Acre Feet	D.E. WILSON	Dam Tender	Gage Hts. copied	JHL HRW
Max. Peak Inf.	56.	C.F.S. from	4:00 P.M. on 1/26/56	to	5:00 P.M. on	1/26/56	G.H. MIDDLETON	Hydrographer	Storage applied	JHL HRW
Max. Peak Outf.	38.	C.F.S. from	8:20 A.M. on 8/7/56	to	9:15 A.M. on	8/7/56		Hydrographer	Inf. & Outf. comp.	JHL HRW

REMARKS
( ) INDICATES EVAPORATION LOSSES
{ INDICATES AVERAGE FOR PERIOD
* BANK STORAGE

76D138N-6&8 Gb 7-55

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, 1957

Drainage Area 4.49 Square Miles. Capacity of Reservoir 951.6 Ac. Ft. at Spillway Elev. 1706.0 Ft. as of September 1941

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	1634.0	45.6	0.03	0	1634.1	46.0	0.01	0	1626.7	24.3	0.03	0	1627.1	25.2		0	1
2	1634.0	45.6	0.03	0	1634.1	46.0	0.01	0	1626.7	24.3	0.03	0	1627.1	25.2		0	2
3	1634.0	45.6	0.03	0	1634.1	46.0	0.01	0	1626.7	24.3	0.02	0	1627.1	25.2		0	3
4	1634.0	45.6	0.03	0	1634.1	46.0	0.02	0	1626.7	24.3	0.02	0	1627.1	25.2		0	4
5	1634.0	45.6	0.03	0	1634.1	46.0	0.02	0	1626.8	24.6	0.2	0	1627.2	25.5	0.1	0	5
6	1634.0	45.6	0.03	0	1634.1	46.0	0.01	0	1626.9	24.8	0.1	0	1627.2	25.5	0.1	0	6
7	1634.0	45.6	0.03	0	1634.1	46.0	0.01	0	1626.9	24.8	0.03	0	1627.3	25.8	0.1	0	7
8	1634.0	45.6	0.02	0	1634.1	46.0	0.01	0	1626.9	24.8	0.03	0	1627.3	25.8	0.05	0	8
9	1634.0	45.6	0.02	0	1625.1	20.9	* 0.9	13.6	1626.9	24.8	0.03	0	1627.3	25.8	0.05	0	9
10	1634.0	45.6	0.02	0	1625.7	22.2	0.7	0	1626.9	24.8	0.03	0	1627.4	26.0	0.1	0	10
11	1634.0	45.6	0.02	0	1625.9	22.6	0.2	0	1626.9	24.8	0.03	0	1627.4	26.0	0.1	0	11
12	1634.0	45.6	0.02	0	1626.1	23.0	0.2	0	1627.0	25.0	0.03	0	1627.6	26.5	0.1	0	12
13	1634.1	46.0	0.02	0	1626.2	23.2	0.1	0	1627.0	25.0	0.02	0	1627.9	27.2	0.3	0	13
14	1634.1	46.0	0.02	0	1626.2	23.2	0.08	0	1627.0	25.0		0	1628.0	27.5	0.1	0	14
15	1634.1	46.0	0.02	0	1626.2	23.2	0.07	0	1627.0	25.0		0	1628.0	27.5	0.05	0	15
16	1634.1	46.0	0.02	0	1626.3	23.5	0.07	0	1627.0	25.0		0	1628.0	27.5	0.05	0	16
17	1634.1	46.0	0.02	0	1626.3	23.5	0.07	0	1627.0	25.0		0	1628.0	27.5	0.05	0	17
18	1634.1	46.0	0.02	0	1626.4	23.7	0.07	0	1627.0	25.0		0	1628.0	27.5	0.05	0	18
19	1634.1	46.0	0.02	0	1626.4	23.7	0.07	0	1627.0	25.0		0	1628.0	27.5	0.05	0	19
20	1634.1	46.0	0.02	0	1626.5	23.9	0.07	0	1627.0	25.0		0	1628.1	27.8	0.05	0	20
21	1634.1	46.0	0.02	0	1626.5	23.9	0.03	0	1627.0	25.0		0	1628.2	28.0	0.05	0	21
22	1634.1	46.0	0.02	0	1625.6	24.1	0.03	0	1627.0	25.0		0	1628.2	28.0	0.05	0	22
23	1634.1	46.0	0.01	0	1626.6	24.1	0.03	0	1627.0	25.0		0	1628.2	28.0	0.05	0	23
24	1634.1	46.0	0.01	0	1626.6	24.1	0.03	0	1627.0	25.0		0	1628.2	28.0	0.05	0	24
25	1634.1	46.0	0.01	0	1626.6	24.1	0.03	0	1627.1	25.2		0	1628.3	28.3	0.1	0	25
26	1634.1	46.0	0.01	0	1626.6	24.1	0.03	0	1627.1	25.2		0	1628.4	28.5	0.05	0	26
27	1634.1	46.0	0.01	0	1626.6	24.1	0.03	0	1627.1	25.2		0	1628.4	28.5	0.05	0	27
28	1634.1	46.0	0.01	0	1626.7	24.3	0.03	0	1627.1	25.2		0	1628.5	28.8	0.05	0	28
29	1634.1	46.0	0.01	0	1626.7	24.3	0.03	0	1627.1	25.2		0	1628.5	28.8	0.05	0	29
30	1634.1	46.0	0.01	0	1626.7	24.3	0.03	0	1627.1	25.2		0	1628.5	28.8	0.05	0	30
31	1634.1	46.0	0.01	0					1627.1	25.2		0	1628.6	29.1	0.05	0	31
TOTAL			0.60	0			3.00	13.6			0.70	0			2.00	0	
Inf. Ac. Ft.			1.2				6.0				1.4				4.0		12.6
Outf. Ac. Ft.			0 +	(0.8)			2.70 +	(0.6)			0 +	(0.4)		0 +	(0.2)		27.0 + (2.0)
Maximum Mean Daily Inflow			0.03				0.9				0.2				0.3		0.9
Minimum Mean Daily Inflow			0.01				0.03				0.01-						+
Storage Change		+ 0.4				- 21.7				+ 0.9				+ 3.9			-16.5

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1642.5	feet	on 7.26 TO 8/17	Storage	82.0	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	1625.1	feet	on 11/9/56	Storage	20.9	Acre Feet	D.E. WILSON	Dam Tender	Gage Hts. copied	JHL FES
Max. Peak Inf.	1.8	C.F.S. from	MID. on 1/12/57	to	2:00 A.M. on	1/13/57	G.H. MIDDLETON	Hydrographer	Storage applied	JHL FES
Max. Peak Outf.	17.6	C.F.S. from	8:05 A.M. on 11/9/56	to	8:20 A.M. on	11/9/56		Hydrographer	Inf. & Outf. comp.	JHL FES

REMARKS
{ INDICATES AVERAGE FOR PERIOD
( ) INDICATES EVAPORATION LOSSES
* BANK STORAGE

76D138N-68B Gb 7-55

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, 1957

On

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 1944 Survey 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	1628.6	29.1	0.06	0	1630.3	33.8	0.2	0	1634.2	46.3	0.2	0	1637.2	57.7	0.2	0	1
2	1628.6	29.1	0.06	0	1630.4	34.1	0.2	0	1634.3	46.7	0.2	0	1637.4	58.6	0.2	0	2
3	1628.7	29.3	0.06	0	1630.5	34.4	0.1	0	1634.4	47.0	0.2	0	1637.5	59.0	0.2	0	3
4	1628.7	29.3	0.06	0	1630.6	34.6	0.1	0	1634.6	47.8	0.3	0	1637.6	59.4	0.2	0	4
5	1628.8	29.6	0.06	0	1630.7	34.9	0.1	0	1634.7	48.1	0.2	0	1637.6	59.4	0.2	0	5
6	1628.8	29.6	0.06	0	1630.8	35.2	0.2	0	1634.8	48.5	0.2	0	1637.7	59.8	0.2	0	6
7	1628.8	29.6	0.07	0	1630.9	35.5	0.2	0	1634.9	48.8	0.2	0	1637.8	60.3	0.1	0	7
8	1628.8	29.6	0.07	0	1631.0	35.8	0.2	0	1635.0	49.2	0.2	0	1637.8	60.3	0.2	0	8
9	1628.9	29.8	0.07	0	1631.1	36.1	0.2	0	1635.1	49.6	0.2	0	1637.9	60.7	0.2	0	9
10	1629.0	30.1	0.07	0	1631.2	36.4	0.2	0	1635.1	49.6	0.2	0	1638.0	61.1	0.2	0	10
11	1629.0	30.1	0.07	0	1631.4	37.0	0.2	0	1635.2	50.0	0.2	0	1638.1	61.5	0.2	0	11
12	1629.0	30.1	0.07	0	1631.5	37.4	0.2	0	1635.3	50.3	0.2	0	1638.2	62.0	0.2	0	12
13	1629.1	30.4	0.07	0	1631.6	37.7	0.2	0	1635.4	50.7	0.2	0	1638.3	62.4	0.2	0	13
14	1629.1	30.4	0.07	0	1631.8	38.3	0.2	0	1635.5	51.1	0.2	0	1638.3	62.4	0.2	0	14
15	1629.1	30.4	0.07	0	1631.9	38.6	0.2	0	1635.6	51.5	0.2	0	1638.4	62.8	0.2	0	15
16	1629.2	30.7	0.07	0	1632.1	39.2	0.3	0	1635.7	51.9	0.2	0	1638.5	63.2	0.2	0	16
17	1629.3	30.9	0.07	0	1632.2	39.6	0.3	0	1635.8	52.2	0.2	0	1638.6	63.7	0.2	0	17
18	1629.4	31.2	0.07	0	1632.4	40.2	0.3	0	1635.9	52.6	0.2	0	1638.7	64.1	0.2	0	18
19	1629.4	31.2	0.07	0	1632.5	40.6	0.3	0	1636.0	53.0	0.2	0	1638.9	65.0	0.4	0	19
20	1629.5	31.5	0.07	0	1632.7	41.2	0.2	0	1636.2	53.8	0.4	0	1639.1	65.8	0.4	0	20
21	1629.6	31.8	0.07	0	1632.8	41.5	0.3	0	1636.3	54.2	0.3	0	1639.2	66.3	0.4	0	21
22	1629.6	31.8	0.07	0	1632.9	41.9	0.3	0	1636.4	54.6	0.2	0	1639.3	66.8	0.3	0	22
23	1629.8	32.3	0.2	0	1633.1	42.5	0.3	0	1636.5	55.0	0.2	0	1639.4	67.2	0.3	0	23
24	1629.9	32.6	0.2	0	1633.2	42.9	0.2	0	1636.6	55.3	0.2	0	1639.6	68.1	0.3	0	24
25	1630.0	32.9	0.1	0	1633.4	43.6	0.2	0	1636.7	55.7	0.2	0	1639.7	68.6	0.3	0	25
26	1630.0	32.9	0.1	0	1633.5	43.9	0.2	0	1636.8	56.1	0.2	0	1639.8	69.0	0.3	0	26
27	1630.1	33.2	0.1	0	1633.6	44.2	0.2	0	1636.9	56.5	0.2	0	1639.9	69.4	0.3	0	27
28	1630.2	33.5	0.1	0	1633.8	44.9	0.2	0	1637.0	56.9	0.2	0	1640.0	69.9	0.3	0	28
29					1633.9	45.3	0.2	0	1637.1	57.3	0.2	0	1640.1	70.4	0.2	0	29
30					1634.0	45.6	0.2	0	1637.2	57.7	0.2	0	1640.2	70.8	0.2	0	30
31					1634.1	46.0	0.2	0					1640.3	71.3	0.2	0	31
TOTAL			2.40	0			6.6	0			6.4	0			7.4	0	
Inf. Ac. Ft.			4.6				13.1				12.7				14.7	57.9	
Outf. Ac. Ft.			0 + (0.4)				0 + (0.6)				0 + (1.0)			0 + (1.0)		27.0 + (5.0)	
Maximum Mean Daily Inflow			0.2				0.3				0.4				0.4	0.9	
Minimum Mean Daily Inflow			0.06				0.1				0.2				0.1	+	
Storage Change			+4.4				+12.5				+11.7				+13.6	+25.7	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1642.5	feet	on 7/26 TO 8/17	Storage	82.0	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	1625.1	feet	on 11/9/56	Storage	20.9	Acre Feet	D.E. WILSON	Dam Tender	Gage Hts. copied	JHL FES
Max. Peak Inf.	1.8	C.F.S. from	MID. on 1/12/57	to	2:00 A.M.	on 1/13/57	G.H. MIDDLETON	Hydrographer	Storage applied	JHL FES
Max. Peak Outf.	17.6	C.F.S. from	8:05 A.M. on 11/9/56	to	8:20 A.M.	on 11/9/56		Hydrographer	Inf. & Outf. comp.	JHL FES

REMARKS (INDICATES AVERAGE FOR PERIOD

76D138N-68B Gb 7-55

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, 1957

On

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 1944 Survey 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	1640.4	71.8	0.2	0	1642.0	79.5	0.1	0	1642.5	82.0	0.04	0	1642.3	81.0	0.02	0	1
2	1640.5	72.2	0.2	0	1642.1	80.0	0.1	0	1642.5	82.0	0.04	0	1642.3	81.0	0.02	0	2
3	1640.5	72.2	0.2	0	1642.1	80.0	0.1	0	1642.5	82.0	0.04	0	1642.3	81.0	0.02	0	3
4	1640.6	72.7	0.2	0	1642.2	80.5	0.1	0	1642.5	82.0	0.04	0	1642.3	81.0	0.02	0	4
5	1640.7	73.2	0.2	0	1642.2	80.5	0.1	0	1642.5	82.0	0.04	0	1642.2	80.5	0.02	0	5
6	1640.7	73.2	0.2	0	1642.2	80.5	0.1	0	1642.5	82.0	0.04	0	1642.2	80.5	0.01	0	6
7	1640.8	73.7	0.2	0	1642.2	80.5	0.1	0	1642.5	82.0	0.04	0	1642.2	80.5	0.01	0	7
8	1640.8	73.7	0.2	0	1642.2	80.5	0.1	0	1642.5	82.0	0.03	0	1642.2	80.5	0.01	0	8
9	1640.9	74.1	0.2	0	1642.2	80.5	0.1	0	1642.5	82.0	0.03	0	1642.2	80.5	0.01	0	9
10	1641.0	74.6	0.2	0	1642.3	81.0	0.1	0	1642.5	82.0	0.03	0	1642.2	80.5	0.01	0	10
11	1641.1	75.1	0.2	0	1642.3	81.0	0.1	0	1642.5	82.0	0.03	0	1642.2	80.5	0.01	0	11
12	1641.2	75.6	0.2	0	1642.3	81.0	0.1	0	1642.5	82.0	0.03	0	1642.2	80.5	0.01	0	12
13	1641.2	75.6	0.2	0	1642.3	81.0	0.1	0	1642.5	82.0	0.03	0	1642.2	80.5	0.01	0	13
14	1641.3	76.1	0.2	0	1642.4	81.5	0.1	0	1642.5	82.0	0.03	0	1642.2	80.5	0.01	0	14
15	1641.3	76.1	0.2	0	1642.4	81.5	0.1	0	1642.5	82.0	0.03	0	1642.1	80.0	0.01	0	15
16	1641.4	76.6	0.2	0	1642.4	81.5	0.1	0	1642.5	82.0	0.03	0	1642.1	80.0	0.01	0	16
17	1641.5	77.0	0.2	0	1642.4	81.5	0.1	0	1642.5	82.0	0.03	0	1642.1	80.0	0.01	0	17
18	1641.5	77.0	0.2	0	1642.4	81.5	0.1	0	1642.4	81.5	0.03	0	1642.1	80.0	0.01	0	18
19	1641.6	77.5	0.2	0	1642.4	81.5	0.1	0	1642.4	81.5	0.03	0	1642.1	80.0	0.01	0	19
20	1641.6	77.5	0.2	0	1642.4	81.5	0.1	0	1642.4	81.5	0.03	0	1642.1	80.0	0.01	0	20
21	1641.6	77.5	0.1	0	1642.4	81.5	0.1	0	1642.4	81.5	0.03	0	1642.1	80.0	0.01	0	21
22	1641.7	78.0	0.1	0	1642.4	81.5	0.1	0	1642.4	81.5	0.03	0	1642.1	80.0	0.01	0	22
23	1641.7	78.0	0.1	0	1642.4	81.5	0.1	0	1642.4	81.5	0.03	0	1642.1	80.0	0.01	0	23
24	1641.8	78.5	0.1	0	1642.4	81.5	0.1	0	1642.4	81.5	0.03	0	1642.1	80.0	0.01	0	24
25	1641.8	78.5	0.1	0	1642.4	81.5	0.1	0	1642.4	81.5	0.03	0	1642.1	80.0	0.01	0	25
26	1641.9	79.0	0.1	0	1642.5	82.0	0.05	0	1642.4	81.5	0.03	0	1642.1	80.0	0.01	0	26
27	1641.9	79.0	0.1	0	1642.5	82.0	0.05	0	1642.4	81.5	0.03	0	1642.1	80.0	0.01	0	27
28	1641.9	79.0	0.1	0	1642.5	82.0	0.05	0	1642.3	81.0	0.03	0	1642.1	80.0	0.01	0	28
29	1641.9	79.0	0.1	0	1642.5	82.0	0.05	0	1642.3	81.0	0.03	0	1642.0	79.5	0.01	0	29
30	1642.0	79.5	0.1	0	1642.5	82.0	0.05	0	1642.3	81.0	0.03	0	1642.0	79.5	0.01	0	30
31					1642.5	82.0	0.05	0	1642.3	81.0	0.03	0					31
TOTAL			5.0	0			2.8	0			1.00	0			0.35	0	
Inf. Ac. Ft.			9.9				5.5				2.0				0.7	7800.	
Outf. Ac. Ft.			0 + (1.8)				0 + (3.0)				0 + (3.0)			0 + (2.2)		27.0 + (15.0)	
Maximum Mean Daily Inflow			0.2				0.1									0.9	
Minimum Mean Daily Inflow			0.1				0.05									+	
Storage Change			+8.2				+2.5				-1.0				-1.5	+33.9	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1642.5	feet	on 7/26 TO 8/17	Storage	82.0	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	1625.1	feet	on 11/9/56	Storage	20.9	Acre Feet	D.E. WILSON	Dam Tender	Gage Hts. copied	JHL
Max. Peak Inf.	1.8	C.F.S. from	MID. on 1/12/57	to	2:00 A.M.	on 1/13/57	G.H. MIDDLETON	Hydrographer	Storage applied	JHL
Max. Peak Outf.	17.6	C.F.S. from	8:05 A.M. on 11/9/56	to	8:20 A.M.	on 11/9/56		Hydrographer	Inf. & Outf. comp.	JHL

REMARKS (INDICATES AVERAGE FOR PERIOD

76D138N-68B Gb 7-55

Daily Gage Height in feet and Operation Record of SAN DIMAS Dam

In San Dimas Canyon for the Year Ending September 30, 19 56

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder AW

Drainage Area 16.2 Square Miles. Capacity of Reservoir 1025.3 Ac. Ft. at Spillway Elev. 1462.0 Ft. as of October, 1954 Survey 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	1415.5	954	0.2	0	1409.0	597	0.1	0	1410.8	688	0.3	0	1412.2	762	0.2	0	1
2	1415.5	954	0.2	0	1409.1	602	0.1	0	1410.9	693	0.3	0	1412.3	768	0.2	0	2
3	1415.6	960	0.2	0	1409.2	607	0.1	0	1410.9	693	0.2	0	1412.3	768	0.2	0	3
4	1415.6	960	0.2	0	1409.2	607	0.1	0	1411.0	698	0.2	0	1412.4	773	0.2	0	4
5	1415.6	960	0.2	0	1409.2	607	0.1	0	1411.0	698	0.1	0	1412.4	773	0.2	0	5
6	1415.6	960	0.2	0	1409.3	612	0.1	0	1411.1	703	0.1	0	1412.5	778	0.2	0	6
7	1414.8	911	0.2	2.1	1409.4	617	0.1	0	1411.1	703	0.1	0	1412.5	778	0.2	0	7
8	1413.5	834	0.1	3.6	1409.4	617	0.1	0	1411.2	709	0.1	0	1412.6	784	0.2	0	8
9	1412.2	762	0.1	3.6	1409.4	617	0.1	0	1411.2	709	0.1	0	1412.6	784	0.2	0	9
10	1410.9	693	0.1	3.6	1409.5	622	0.1	0	1411.3	714	0.1	0	1412.7	790	0.2	0	10
11	1409.5	622	0.1	3.6	1409.5	622	0.1	0	1411.3	714	0.1	0	1412.7	790	0.2	0	11
12	1408.1	555	0.1	3.6	1409.6	626	0.1	0	1411.3	714	0.1	0	1412.8	795	0.2	0	12
13	1407.6	532	0.1	1.4	1409.6	626	0.1	0	1411.4	719	0.1	0	1412.8	795	0.2	0	13
14	1407.7	536	0.1	0	1409.7	631	0.4	0	1411.4	719	0.1	0	1412.9	800	0.2	0	14
15	1407.9	545	0.1	0	1409.8	636	0.3	0	1411.5	724	0.1	0	1413.0	806	0.2	0	15
16	1408.0	550	0.1	0	1409.9	641	0.2	0	1411.5	724	0.1	0	1413.0	806	0.1	0	16
17	1408.1	555	0.1	0	1409.9	641	0.2	0	1411.5	724	0.1	0	1413.1	812	0.1	0	17
18	1408.2	559	0.1	0	1410.0	646	0.2	0	1411.6	730	0.1	0	1413.1	812	0.1	0	18
19	1408.2	559	0.1	0	1410.0	646	0.2	0	1411.6	730	0.1	0	1413.2	817	0.1	0	19
20	1408.3	564	0.1	0	1410.1	651	0.2	0	1411.7	735	0.1	0	1413.3	823	0.1	0	20
21	1408.3	564	0.1	0	1410.2	656	0.3	0	1411.7	735	0.1	0	1413.3	823	0.1	0	21
22	1408.4	569	0.1	0	1410.3	662	0.2	0	1411.8	740	0.1	0	1413.4	829	0.1	0	22
23	1408.5	574	0.1	0	1410.4	667	0.1	0	1411.8	740	0.1	0	1413.5	834	0.1	0	23
24	1408.6	578	0.1	0	1410.4	667	0.1	0	1411.9	746	0.1	0	1413.6	840	0.1	0	24
25	1408.6	578	0.1	0	1410.4	667	0.1	0	1411.9	746	0.1	0	1414.8	911	3.6	0	25
26	1408.7	583	0.1	0	1410.5	672	0.1	0	1412.0	751	0.1	0	1434.1	1275.1	98.2	5.4	26
27	1408.8	588	0.1	0	1410.5	672	0.1	0	1412.0	751	0.1	0	1434.9	1285.9	43.9	38.5	27
28	1408.8	588	0.1	0	1410.6	677	0.1	0	1412.1	756	0.1	0	1434.6	1281.9	10.0	12.0	28
29	1408.9	592	0.1	0	1410.7	682	0.1	0	1412.1	756	0.2	0	1433.7	1269.8	5.9	12.0	29
30	1408.9	592	0.1	0	1410.7	682	0.1	0	1412.1	756	0.2	0	1433.0	1260.6	5.3	9.9	30
31	1409.0	597	0.1	0					1412.2	762	0.2	0	1432.5	1254.3	5.1	8.3	31
TOTAL			3.8	21.5			4.3	0			4.0	0			175.9	86.1	
Inf. Ac. Ft.			75				85				79				348.9	372.8	
Outf. Ac. Ft.				42.6				0				0			170.8	213.4	
Maximum Mean Daily Inflow			0.2				0.4				0.3				98.2	98.2	
Minimum Mean Daily Inflow			0.1				0.1				0.1				0.1	0.1	
Storage Change		-35.1				+85				+80				+178.1		+159.5	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1444.3	feet	on 5/28 TO 6/3/56	Storage	467.	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	1407.6	feet	on 10/13/55	Storage	53.2	Acre Feet	A.R. BLEEMERS	Dam Tender	Gage Hts. copied	JHL HRW
Max. Peak Inf.	362.	C.F.S. from	5:00 P.M. on 1/26/56	to	6:00 P.M. on 1/26/56		G.H. MIDDLETON	Hydrographer	Storage applied	JHL HRW
Max. Peak Outf.	54.	C.F.S. from	10:15 P.M. on 1/26/56	to	11:15 P.M. on 1/26/56			Hydrographer	Inf. & Outf. comp.	JHL JRW

REMARKS (INDICATES AVERAGE FOR PERIOD

76D138N-68B Gb 7-55

Daily Gage Height in feet and Operation Record of SAN DIMAS Dam

In San Dimas Canyon for the Year Ending September 30, 19 56

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder AW

Drainage Area 16.2 Square Miles. Capacity of Reservoir 1025.3 Ac. Ft. at Spillway Elev. 1462.0 Ft. as of October, 1954 Survey 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	1432.5	2543	2.7	2.7	1438.4	3399	1.1	0	1440.9	3882	0.6	0	1443.6	4497	1.0	0.4	1
2	1432.8	2581	1.9	0	1438.5	3416	1.0	0	1441.0	3903	0.7	0	1443.6	4497	1.0	0.7	2
3	1433.2	2632	1.9	0	1438.6	3434	1.0	0	1441.0	3903	0.7	0	1443.6	4497	1.0	0.7	3
4	1433.4	2658	1.9	0	1438.7	3452	1.0	0	1441.1	3925	0.7	0	1443.6	4497	1.0	0.7	4
5	1433.7	2698	1.8	0	1438.8	3470	1.0	0	1441.1	3925	0.7	0	1443.7	4521	1.0	0.7	5
6	1434.0	2737	1.8	0	1439.0	3505	1.0	0	1441.2	3947	0.8	0.4	1443.7	4521	0.9	0.7	6
7	1434.2	2764	1.8	0	1439.1	3524	1.0	0	1441.2	3947	0.8	0.7	1443.7	4521	0.9	0.7	7
8	1434.4	2791	1.3	0	1439.2	3544	1.0	0	1441.2	3947	0.8	0.7	1443.7	4521	0.9	0.7	8
9	1434.6	2819	1.3	0	1439.3	3563	1.0	0	1441.2	3947	0.8	0.7	1443.9	4570	3.2	0.7	9
10	1434.8	2846	1.3	0	1439.4	3582	1.0	0	1441.2	3947	0.8	0.7	1444.1	4619	2.0	0.7	10
11	1434.9	2859	1.3	0	1439.5	3602	0.8	0	1441.2	3947	0.8	0.7	1444.1	4619	1.9	0.7	11
12	1435.1	2887	1.3	0	1439.5	3602	0.8	0	1441.7	4056	6.2	0.7	1444.2	4645	0.8	0.6	12
13	1435.3	2916	1.3	0	1439.6	3621	0.8	0	1442.2	4168	5.9	0.3	1444.2	4645	0.8	0.6	13
14	1435.5	2944	1.3	0	1439.7	3640	0.8	0	1442.3	4191	1.2	0	1444.2	4645	0.8	0.6	14
15	1435.6	2958	1.0	0	1439.8	3659	0.8	0	1442.4	4214	1.1	0	1444.2	4645	0.8	0.6	15
16	1435.8	2987	1.0	0	1439.9	3679	0.8	0	1442.5	4237	1.2	0	1444.2	4645	0.8	0.6	16
17	1435.9	3001	1.0	0	1439.9	3679	0.8	0	1442.6	4260	1.2	0	1444.2	4645	0.7	0.6	17
18	1436.1	3030	0.9	0	1440.0	3698	0.8	0	1442.7	4283	1.1	0.3	1444.2	4645	0.7	0.6	18
19	1436.2	3045	0.9	0	1440.1	3718	0.8	0	1442.8	4306	1.0	0.7	1444.2	4645	0.7	0.6	19
20	1436.3	3060	0.9	0	1440.2	3739	0.7	0	1442.8	4306	1.0	0.7	1444.2	4645	0.7	0.6	20
21	1436.4	3075	0.9	0	1440.2	3739	0.7	0	1442.8	4306	1.0	0.6	1444.2	4645	0.7	0.6	21
22	1436.6	3106	1.6	0	1440.3	3760	0.6	0	1442.8	4306	1.0	0.6	1444.2	4645	0.7	0.6	22
23	1437.1	3182	3.8	0	1440.4	3780	0.6	0	1442.9	4329	1.0	0.6	1444.2	4645	0.7	0.6	23
24	1437.4	3231	2.5	0	1440.4	3780	0.6	0	1442.9	4329	1.0	0.6	1444.2	4645	0.7	0.6	24
25	1437.6	3263	1.6	0	1440.5	3800	0.6	0	1442.9	4329	1.0	0.6	1444.2	4645	0.7	0.6	25
26	1437.8	3296	1.5	0	1440.5	3800	0.6	0	1443.1	4376	2.8	0.4	1444.2	4645	0.7	0.6	26
27	1438.0	3328	1.5	0	1440.6	3821	0.5	0	1443.2	4400	1.2	0	1444.2	4645	0.7	0.6	27
28	1438.1	3346	1.5	0	1440.6	3821	0.5	0	1443.3	4425	1.3	0	1444.3	4670	0.7	0.6	28
29	1438.3	3381	1.4	0	1440.7	3842	0.5	0	1443.4	4449	1.2	0	1444.3	4670	0.7	0.6	29
30					1440.7	3842	0.5	0	1443.5	4473	1.2	0	1444.3	4670	0.7	0.6	30
31					1440.8	3862	0.5	0					1444.3	4670	0.7	0.6	31
TOTAL			44.9	2.7			24.3	0			40.8	10.0			29.3	19.4	
Inf. Ac. Ft.			89.1				482				809				581	649.1	
Outf. Ac. Ft.				5.4				0				19.8			38.5	27.1	
Maximum Mean Daily Inflow			3.8				1.1				6.2				3.2	98.2	
Minimum Mean Daily Inflow			0.9				0.5				0.6				0.7	0.1	
Storage Change		+83.8				+481				+611				+19.7		+372.2	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1444.3	feet	on 5/28 TO 6/3/56	Storage	467.	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	1407.6	feet	on 10/13/55	Storage	53.2	Acre Feet	A.R. BLEEMERS	Dam Tender	Gage Hts. copied	JHL HRW
Max. Peak Inf.	362.	C.F.S. from	5:00 P.M. on 1/26/56	to	6:00 P.M. on 1/26/56		G.H. MIDDLETON	Hydrographer	Storage applied	JHL HRW
Max. Peak Outf.	54.	C.F.S. from	10:15 P.M. on 1/26/56	to	11:15 P.M. on 1/26/56			Hydrographer	Inf. & Outf. comp.	JHL HRW

REMARKS (INDICATES AVERAGE FOR PERIOD

76D138N-68B Gb 7-55

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, 19 56

Drainage Area 16.2 Square Miles. Capacity of Reservoir 1025.3 Ac. Ft. at Spillway Elev. 1462.0 Ft. as of October 19 54 Survey

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	1444.3	467.0	0.3	0.6	1443.3	442.5	0.1	0.5	1438.7	345.2	* 0.4	5.3	1410.3	66.2	0.7	5.3	1
2	1444.3	467.0	0.3	0.6	1443.3	442.5	0.1	0.5	1438.1	334.6	0.4	5.3	1408.6	57.8	0.8	5.3	2
3	1444.3	467.0	0.3	0.6	1443.2	440.0	0.1	0.5	1437.5	324.7	0.4	5.3	1407.6	53.2	0.8	3.2	3
4	1444.2	464.5	0.3	0.5	1443.2	440.0	0.1	0.5	1437.0	316.6	0.4	5.3	1407.7	53.6	0.8	0	4
5	1444.2	464.5	0.3	0.5	1443.1	437.6	0.1	0.4	1436.3	306.0	0.5	5.3	1407.8	54.1	0.7	0	5
6	1444.2	464.5	0.2	0.5	1443.1	437.6	0.1	0.4	1435.7	297.2	1.1	5.6	1407.9	54.5	0.2	0	6
7	1444.1	461.9	0.1	0.5	1443.0	435.2	0.1	0.4	1435.1	288.7	1.1	5.6	1408.0	55.0	0.2	0	7
8	1444.1	461.9	0.1	0.5	1443.0	435.2	0.1	0.4	1434.5	280.5	1.2	5.6	1408.1	55.5	0.2	0	8
9	1444.1	461.9	0.1	0.5	1442.9	432.9	0.1	0.5	1433.8	271.1	1.2	5.6	1408.2	55.9	0.2	0	9
10	1444.1	461.9	0.1	0.5	1442.9	432.9	0.1	0.5	1433.1	261.9	1.2	5.6	1408.3	56.4	0.2	0	10
11	1444.0	459.4	0.1	0.5	1442.9	432.9	0.1	0.5	1432.4	253.0	1.3	5.6	1408.4	56.9	0.2	0	11
12	1444.0	459.4	0.1	0.5	1442.8	430.6	0.1	0.5	1431.8	245.6	1.3	5.6	1408.4	56.9	0.2	0	12
13	1444.0	459.4	0.1	0.5	1442.8	430.6	0.1	0.5	1431.2	238.3	1.3	5.6	1408.5	57.4	0.2	0	13
14	1443.9	457.0	0.1	0.5	1442.7	428.3	0.1	0.5	1430.6	231.2	1.3	5.6	1408.6	57.8	0.2	0	14
15	1443.9	457.0	0.1	0.5	1442.7	428.3	0.1	0.5	1430.0	224.2	1.3	5.6	1408.7	58.3	0.2	0	15
16	1443.9	457.0	0.1	0.5	1442.6	426.0	0.1	0.5	1429.1	213.9	1.2	5.6	1408.8	58.8	0.2	0	16
17	1443.8	454.6	0.1	0.5	1442.6	426.0	0.1	0.5	1428.2	204.0	1.2	5.6	1408.8	58.8	0.2	0	17
18	1443.8	454.6	0.0	0.5	1442.6	426.0	0.1	0.5	1427.3	194.3	1.2	5.6	1408.9	59.2	0.2	0	18
19	1443.8	454.6	0.1	0.5	1442.5	423.7	0.1	0.5	1426.4	184.9	1.2	5.6	1409.0	59.7	0.2	0	19
20	1443.7	452.1	0.1	0.5	1442.5	423.7	0.1	0.5	1425.5	175.6	1.2	5.6	1409.1	60.2	0.2	0	20
21	1443.7	452.1	0.1	0.5	1442.4	421.4	0	0.5	1424.6	166.7	0.8	5.6	1409.2	60.7	0.2	0	21
22	1443.6	449.7	0.1	0.5	1442.4	421.4	0	0.5	1423.6	157.2	0.8	5.6	1409.3	61.2	0.2	0	22
23	1443.6	449.7	0.1	0.5	1442.3	419.1	0	0.5	1422.5	147.2	0.8	5.6	1409.3	61.2	0.2	0	23
24	1443.6	449.7	0.1	0.5	1442.3	419.1	0	0.5	1421.4	137.7	0.8	5.6	1409.4	61.7	0.2	0	24
25	1443.5	447.3	0.1	0.5	1442.0	412.2	0	3.5	1420.2	127.9	0.8	5.3	1409.5	62.2	0.2	0	25
26	1443.5	447.3	0.1	0.5	1441.6	403.4	0	5.6	1419.0	118.8	0.7	5.3	1409.5	62.2	0.2	0	26
27	1443.5	447.3	0.1	0.5	1441.1	392.5	0.1	5.6	1417.6	109.1	0.7	5.3	1409.6	62.6	0.2	0	27
28	1443.4	444.9	0.1	0.5	1440.7	384.2	0.1	5.6	1416.2	99.8	0.7	5.3	1409.7	63.1	0.2	0	28
29	1443.4	444.9	0.1	0.5	1440.2	373.9	0.1	5.6	1414.8	91.1	0.7	5.3	1409.7	63.1	0.1	0	29
30	1443.4	444.9	0.1	0.5	1439.7	364.0	0.1	5.3	1413.4	82.9	0.7	5.3	1409.8	63.6	0.1	0	30
31					1439.2	354.4	0.1	5.3	1411.8	74.0	0.7	5.3					31
TOTAL			4.1	15.3			2.5	48.1			28.6	170.0			8.6	13.8	
Inf. Ac. Ft.			8.1				4.9				56.7				17.0	735.8	
Outf. Ac. Ft.				30.3				95.4				337.2			27.4	767.4	
Maximum Mean Daily Inflow			0.3				0.1				1.3				0.8	98.2	
Minimum Mean Daily Inflow			0.1				0				0.4				0.1	0.1	
Storage Change		-22.1				-90.5				-280.4				-10.4		-31.2	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1444.3	feet	on	5/28 TO 6/3/56	Storage	467.	Acre Feet			
Min. W. S. Elev.	1407.6	feet	on	10/13/55	Storage	53.2	Acre Feet			
Max. Peak Inf.	362.	C.F.S. from		5:00 P.M. on	1/26/56	to	6:00 P.M.	on	1/26/56	
Max. Peak Outf.	54	C.F.S. from		10:15 P.M. on	1/26/56	to	11:15 P.M.	on	1/26/56	

REMARKS (INDICATES AVERAGE FOR PERIOD
* INCREASE IN FLOW DUE TO BANK STORAGE

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
A.R. BLEEMERS	Dam Tender	Gage Hts. copied	JHL	HRW
G.H. MIDDLETON	Hydrographer	Storage applied	JHL	HRW
	Hydrographer	Inf. & Outf. comp.	JHL	HRW

76D138N-68B Gb 7-55

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, 19 57

Drainage Area 16.2 Square Miles. Capacity of Reservoir 1025.3 Ac. Ft. at Spillway Elev. 1462.0 Ft. as of October 19 54 Survey

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	1409.8	63.6	0.1	0	1411.6	73.0	0.1	0	1412.7	79.0	0.1	0	1406.1	46.4	0.2	0	1
2	1409.9	64.1	0.1	0	1411.7	73.5	0.1	0	1412.7	79.0	0.1	0	1406.2	46.9	0.2	0	2
3	1410.0	64.6	0.1	0	1411.7	73.5	0.1	0	1412.8	79.5	0.1	0	1406.2	46.9	0.2	0	3
4	1410.1	65.1	0.2	0	1411.7	73.5	0.1	0	1412.8	79.5	0.1	0	1406.3	47.3	0.2	0	4
5	1410.2	65.6	0.2	0	1411.8	74.0	0.1	0	1413.0	80.6	0.3	0	1406.4	47.8	0.2	0	5
6	1410.2	65.6	0.2	0	1411.8	74.0	0.1	0	1413.0	80.6	0.2	0	1406.5	48.2	0.2	0	6
7	1410.3	66.2	0.2	0	1411.9	74.6	0.1	0	1413.1	81.2	0.2	0	1406.6	48.6	0.2	0	7
8	1410.3	66.2	0.2	0	1411.9	74.6	0.1	0	1412.6	78.4	0.1	1.5	1406.7	49.1	0.2	0	8
9	1410.4	66.7	0.2	0	1411.9	74.6	0.1	0	1411.8	74.0	0.3	2.5	1406.8	49.5	0.2	0	9
10	1410.5	67.2	0.2	0	1412.0	75.1	0.1	0	1410.9	69.3	0.1	2.5	1406.9	50.0	0.2	0	10
11	1410.5	67.2	0.2	0	1412.0	75.1	0.1	0	1410.0	64.6	0.1	2.5	1407.0	50.4	0.2	0	11
12	1410.6	67.7	0.2	0	1412.1	75.6	0.1	0	1409.0	59.7	0.1	2.5	1407.2	51.3	0.5	0	12
13	1410.6	67.7	0.2	0	1412.1	75.6	0.1	0	1408.2	55.9	0.4	2.5	1412.0	75.1	12.0	0	13
14	1410.7	68.2	0.2	0	1412.1	75.6	0.1	0	1407.3	51.8	0.4	2.5	1412.5	77.8	1.3	0	14
15	1410.7	68.2	0.2	0	1412.2	76.2	0.1	0	1406.3	47.3	0.4	2.4	1412.8	79.5	0.9	0	15
16	1410.8	68.8	0.2	0	1412.2	76.2	0.1	0	1405.4	43.5	0.4	2.4	1413.0	80.6	0.5	0	16
17	1410.8	68.8	0.2	0	1412.2	76.2	0.1	0	1404.8	41.0	0.4	1.7	1413.1	81.2	0.3	0	17
18	1410.9	69.3	0.2	0	1412.3	76.8	0.1	0	1404.9	41.4	0.2	0	1413.2	81.7	0.3	0	18
19	1410.9	69.3	0.2	0	1412.3	76.8	0.1	0	1405.0	41.8	0.2	0	1413.3	82.3	0.3	0	19
20	1411.0	69.8	0.1	0	1412.4	77.3	0.1	0	1405.1	42.2	0.2	0	1413.6	84.0	0.9	0	20
21	1411.0	69.8	0.1	0	1412.4	77.3	0.1	0	1405.2	42.6	0.2	0	1413.9	85.7	0.8	0	21
22	1411.1	70.3	0.1	0	1412.4	77.3	0.1	0	1405.3	43.1	0.3	0	1414.0	86.3	0.3	0	22
23	1411.1	70.3	0.1	0	1412.5	77.8	0.1	0	1405.4	43.5	0.2	0	1414.2	87.5	0.6	0	23
24	1411.2	70.9	0.1	0	1412.5	77.8	0.1	0	1405.5	43.9	0.2	0	1414.6	89.9	1.2	0	24
25	1411.3	71.4	0.1	0	1412.5	77.8	0.1	0	1405.6	44.3	0.2	0	1414.9	91.7	0.9	0	25
26	1411.3	71.4	0.1	0	1412.6	78.4	0.1	0	1405.7	44.7	0.2	0	1415.9	97.9	3.2	0	26
27	1411.4	71.9	0.1	0	1412.6	78.4	0.1	0	1405.8	45.2	0.2	0	1416.6	102.4	2.2	0	27
28	1411.4	71.9	0.1	0	1412.6	78.4	0.1	0	1405.8	45.2	0.2	0	1417.0	105.0	1.3	0	28
29	1411.5	72.4	0.1	0	1412.7	79.0	0.1	0	1405.9	45.6	0.1	0	1417.8	110.4	2.8	0	29
30	1411.5	72.4	0.1	0	1412.7	79.0	0.1	0	1406.0	46.0	0.1	0	1418.3	113.9	1.7	0	30
31	1411.6	73.0	0.1	0					1406.0	46.0	0.1	0	1418.7	116.7	1.4	0	31
TOTAL			4.7	0			3.0	0			6.4	23.0			35.6	0	
Inf. Ac. Ft.			9.3				6.0				12.7				70.6	98.6	
Outf. Ac. Ft.				0				0				45.6			0	45.6	
Maximum Mean Daily Inflow			0.2				0.1				0.4				12.0	12.0	
Minimum Mean Daily Inflow			0.1				0				0.1				0.2	0.1	
Storage Change		+9.4				+6.0				-33.0				+70.7		+53.1	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1434.5	feet	on	4/11/57	Storage	280.5	Acre Feet			
Min. W. S. Elev.	1404.8	feet	on	12/17/56	Storage	41.0	Acre Feet			
Max. Peak Inf.	41.1	C.F.S. from		5:00 A.M. on	1/13/57	to	6:00 P.M.	on	1/13/57	
Max. Peak Outf.	5.0	C.F.S. from		11:00 A.M. on	6/29/57	to	3:45 P.M.	on	7/10/57	

REMARKS (INDICATES AVERAGE FOR PERIOD

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
A.R. BLEEMERS	Dam Tender	Gage Hts. copied	JHL	FES
G.H. MIDDLETON	Hydrographer	Storage applied	JHL	FES
	Hydrographer	Inf. & Outf. comp.	JHL	FES

76D138N-68B Gb 7-55

Daily Gage Height in feet and Operation Record of SAN DIMAS Dam

In San Dimas Canyon for the Year Ending September 30, 1957

On

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Drainage Area 16.2 Square Miles. Capacity of Reservoir 1025.3 Ac. Ft. at Spillway Elev. 1462.0 Ft. as of October, 1954 Survey

Continuous Water Stage Recorder AU

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	1419.1	119.6	1.2	0	1427.0	191.1	3.7	0	1433.8	271.1	0.6	0	1433.6	268.5	0.4	0.9	1
2	1419.4	121.8	1.1	0	1427.5	196.4	2.7	0	1433.9	272.4	0.6	0	1433.4	265.8	0.4	2.1	2
3	1419.7	124.0	1.1	0	1427.9	200.7	2.1	0	1433.9	272.4	0.6	0	1433.0	260.6	0.4	2.8	3
4	1420.0	126.3	1.1	0	1428.2	204.0	1.7	0	1434.0	273.7	0.6	0	1432.4	253.0	0.4	3.7	4
5	1420.2	127.9	1.1	0	1428.4	206.2	1.1	0	1434.1	275.1	0.6	0	1431.8	245.6	0.4	3.7	5
6	1420.4	129.5	1.0	0	1428.7	209.5	1.7	0	1434.2	276.4	0.6	0	1431.1	237.1	0.4	3.7	6
7	1420.7	131.9	1.0	0	1429.0	212.8	1.6	0	1434.3	277.8	0.6	0	1430.5	230.0	0.3	3.7	7
8	1420.9	133.5	1.0	0	1429.2	215.1	1.2	0	1434.3	277.8	0.6	0	1430.0	224.2	0.3	3.0	8
9	1421.1	135.1	1.0	0	1429.6	219.6	2.2	0	1434.4	279.1	0.6	0	1429.8	221.9	0.3	2.0	9
10	1421.4	137.7	1.0	0	1429.9	223.1	1.8	0	1434.5	280.5	0.6	0	1429.7	220.8	0.3	2.0	10
11	1421.6	139.3	0.8	0	1430.1	225.4	1.2	0	1434.5	280.5	0.6	0.9	1429.7	220.8	1.9	1.9	11
12	1421.7	140.2	0.8	0	1430.4	228.9	1.7	0	1434.2	276.4	0.6	2.2	1429.7	220.8	1.9	1.9	12
13	1421.9	141.9	0.8	0	1430.6	231.2	1.2	0	1434.0	273.7	0.6	2.2	1429.6	219.6	1.0	1.7	13
14	1422.1	143.6	0.8	0	1430.8	233.6	1.2	0	1433.8	271.1	0.6	2.2	1429.5	218.5	1.1	1.6	14
15	1422.3	145.4	0.7	0	1431.0	235.9	1.2	0	1433.5	267.2	0.6	2.8	1429.4	217.4	0.9	1.5	15
16	1422.4	146.3	0.8	0	1431.4	240.7	2.4	0	1433.1	261.9	0.6	3.3	1429.3	216.2	0.5	1.4	16
17	1422.6	148.0	0.7	0	1431.7	244.4	1.9	0	1432.8	258.1	1.4	3.3	1429.1	213.9	0.5	1.4	17
18	1422.8	149.8	0.7	0	1431.9	246.8	1.2	0	1432.7	256.8	2.6	3.3	1428.9	211.7	0.4	1.4	18
19	1423.0	151.6	0.7	0	1432.1	249.3	1.2	0	1432.4	253.0	1.4	3.3	1429.6	219.6	5.4	1.5	19
20	1423.1	152.5	0.7	0	1432.3	251.8	1.0	0	1432.5	254.3	3.1	2.4	1429.8	221.9	2.7	1.5	20
21	1423.3	154.4	0.7	0	1432.4	253.0	1.0	0	1432.6	255.6	2.4	1.8	1429.8	221.9	1.6	1.6	21
22	1423.4	155.3	0.7	0	1432.6	255.6	1.0	0	1432.8	258.1	2.0	0.7	1429.8	221.9	1.6	1.6	22
23	1424.5	165.8	5.3	0	1432.7	256.8	0.9	0	1433.0	260.6	1.3	0	1429.8	221.9	1.6	1.6	23
24	1424.9	169.6	1.9	0	1432.8	258.1	0.9	0	1433.1	261.9	0.6	0	1429.7	220.8	1.1	1.6	24
25	1425.2	172.6	1.5	0	1433.0	260.6	0.9	0	1433.2	263.2	0.6	0	1429.6	219.6	0.8	1.5	25
26	1425.5	175.6	1.5	0	1433.1	261.9	0.9	0	1433.3	264.5	0.6	0	1429.5	218.5	0.9	1.5	26
27	1425.7	177.7	1.1	0	1433.2	263.2	0.9	0	1433.4	265.8	0.6	0	1429.5	218.5	0.9	1.4	27
28	1426.3	183.8	3.0	0	1433.4	265.8	0.8	0	1433.5	267.2	0.5	0	1429.4	217.4	0.9	1.4	28
29					1433.5	267.2	0.7	0	1433.5	267.2	0.5	0	1429.2	215.1	0.9	1.4	29
30					1433.6	268.5	0.7	0	1433.6	268.5	0.5	0	1429.2	215.1	0.9	1.3	30
31					1433.7	269.8	0.7	0					1429.1	213.9	0.9	1.2	31
TOTAL			33.8	0			43.4	0			27.7	28.4			32.0	59.5	
Inf. Ac. Ft.			67.0				86.1				54.9				63.5	370.1	
Outf. Ac. Ft.				0				0				56.3			118.0	219.9	
Maximum Mean Daily Inflow			5.3				3.7				3.1				5.4	12.0	
Minimum Mean Daily Inflow			0.7				0.7				0.5				0.3	0.1	
Storage Change		+67.1				+86.0				-1.3				-54.6		+150.3	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1434.5	feet	on	4/11/57	Storage	280.5	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	1404.8	feet	on	12/17/56	Storage	41.0	Acre Feet	A.R. BLEEMERS	Dam Tender	Gage Hts. copied JHL	FES
Max. Peak Inf.	41.1	C.F.S. from	5:00 A.M.	on 1/13/57	to	6:00 A.M.	on 1/13/57	G.H. MIDDLETON	Hydrographer	Storage applied JHL	FES
Max. Peak Outf.	5.0	C.F.S. from	11:00 A.M.	on 6/29/57	to	3:45 P.M.	on 7/10/57		Hydrographer	Inf. & Outf. comp. JHL	FES

REMARKS (INDICATES AVERAGE FOR PERIOD

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Daily Gage Height in feet and Operation Record of SAN DIMAS Dam

In San Dimas Canyon for the Year Ending September 30, 1957

On

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Drainage Area 16.2 Square Miles. Capacity of Reservoir 1025.3 Ac. Ft. at Spillway Elev. 1462.0 Ft. as of October, 1954 Survey

Continuous Water Stage Recorder AU

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	1429.0	212.8	0.6	1.2	1424.4	164.8	0.7	5.0	1410.0	64.6	0.2	0	1412.0	75.1	0.2	0	1
2	1428.9	211.7	0.6	1.0	1423.6	157.2	0.7	5.0	1410.1	65.1	0.2	0	1412.0	75.1	0.2	0	2
3	1428.8	210.6	0.6	0.9	1422.8	149.8	0.7	5.0	1410.2	65.6	0.2	0	1412.1	75.6	0.2	0	3
4	1428.7	209.5	0.5	0.9	1421.9	141.9	0.8	5.0	1410.2	65.6	0.2	0	1412.2	76.2	0.2	0	4
5	1428.7	209.5	0.5	0.8	1420.9	133.5	0.8	5.0	1410.3	66.2	0.2	0	1412.2	76.2	0.2	0	5
6	1428.6	208.4	0.5	0.8	1419.9	125.6	0.8	5.0	1410.3	66.2	0.2	0	1412.3	76.8	0.2	0	6
7	1428.5	207.3	0.5	1.0	1418.8	117.4	0.8	5.0	1410.4	66.7	0.2	0	1412.3	76.8	0.2	0	7
8	1428.4	206.2	0.5	1.0	1417.8	110.4	0.8	5.0	1410.5	67.2	0.2	0	1412.4	77.3	0.2	0	8
9	1428.3	205.1	0.5	1.0	1416.7	103.0	0.8	5.0	1410.5	67.2	0.2	0	1412.4	77.3	0.2	0	9
10	1428.3	205.1	0.5	1.1	1415.5	95.4	0.8	4.6	1410.6	67.7	0.2	0	1412.5	77.8	0.2	0	10
11	1428.3	205.1	1.1	1.1	1414.3	88.1	0.8	3.7	1410.7	68.2	0.2	0	1412.5	77.8	0.2	0	11
12	1428.2	204.0	0.5	1.0	1413.1	81.2	0.8	3.7	1410.8	68.8	0.2	0	1412.6	78.4	0.2	0	12
13	1428.2	204.0	0.5	1.0	1411.8	74.0	0.8	3.7	1410.9	69.3	0.2	0	1412.6	78.4	0.1	0	13
14	1428.1	202.9	0.5	1.0	1410.4	66.7	0.8	3.7	1410.9	69.3	0.2	0	1412.7	79.0	0.1	0	14
15	1428.1	202.9	0.5	0.9	1409.2	60.7	0.8	3.7	1411.0	69.8	0.2	0	1412.7	79.0	0.1	0	15
16	1428.0	201.8	0.5	1.0	1408.3	56.4	0.8	2.5	1411.1	70.3	0.2	0	1412.8	79.5	0.1	0	16
17	1427.9	200.7	0.5	1.0	1408.5	57.4	0.3	0	1411.1	70.3	0.2	0	1412.8	79.5	0.1	0	17
18	1427.8	199.7	0.5	1.0	1408.6	57.8	0.3	0	1411.2	70.9	0.2	0	1412.9	80.0	0.1	0	18
19	1427.6	197.5	0.5	1.2	1408.7	58.3	0.3	0	1411.3	71.4	0.2	0	1412.9	80.0	0.1	0	19
20	1427.4	195.4	0.5	1.2	1408.8	58.8	0.3	0	1411.3	71.4	0.2	0	1413.0	80.6	0.1	0	20
21	1427.3	194.3	0.5	1.2	1408.9	59.2	0.3	0	1411.4	71.9	0.2	0	1413.0	80.6	0.1	0	21
22	1427.1	192.2	0.5	1.2	1409.0	59.7	0.3	0	1411.5	72.4	0.2	0	1413.0	80.6	0.1	0	22
23	1427.0	191.1	0.5	1.2	1409.1	60.2	0.3	0	1411.6	73.0	0.1	0	1413.1	81.2	0.1	0	23
24	1426.8	189.0	0.5	1.0	1409.2	60.7	0.3	0	1411.6	73.0	0.1	0	1413.1	81.2	0.1	0	24
25	1426.6	186.9	0.5	1.0	1409.3	61.2	0.3	0	1411.7	73.5	0.1	0	1413.2	81.7	0.1	0	25
26	1426.5	185.9	0.4	1.0	1409.4	61.7	0.2	0	1411.7	73.5	0.1	0	1413.2	81.7	0.1	0	26
27	1426.4	184.9	0.4	1.0	1409.5	62.2	0.2	0	1411.8	74.0	0.1	0	1413.3	82.3	0.1	0	27
28	1426.3	183.8	0.4	1.0	1409.6	62.6	0.2	0	1411.8	74.0	0.1	0	1413.3	82.3	0.1	0	28
29	1425.9	179.7	0.4	3.0	1409.7	63.1	0.2	0	1411.8	74.0	0.1	0	1413.3	82.3	0.1	0	29
30	1425.1	171.6	0.4	5.0	1409.8	63.6	0.2	0	1411.9	74.6	0.1	0	1413.4	82.9	0.1	0	30
31					1409.9	64.1	0.2	0	1411.9	74.6	0.1	0					31
TOTAL			15.4	36.7			16.4	70.6			5.3	0			4.2	0	
Inf. Ac. Ft.			30.5				32.5				10.5				8.3	451.9	
Outf. Ac. Ft.				72.8				140.0				0			0	432.7	
Maximum Mean Daily Inflow			1.1				0.8				0.2				0.2	12.0	
Minimum Mean Daily Inflow			0.4				0.2				0.1				0.1	0.1	
Storage Change		-42.3				-107.5				+10.5				+8.3		+19.3	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1434.5	feet	on	4-11-57	Storage	280.5	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	1404.8	feet	on	12-17-56	Storage	41.0	Acre Feet	A.R. BLEEMERS	Dam Tender	Gage Hts. copied	
Max. Peak Inf.	41.1	C.F.S. from	5:00 A.M.	on 1-13-57	to	6:00 A.M.	on 1-13-57	G.H. MIDDLETON	Hydrographer	Storage applied	
Max. Peak Outf.	5.0	C.F.S. from	11:00 A.M.	on 6-29-57	to	3:45 P.M.	on 7-10-57		Hydrographer	Inf. & Outf. comp.	

REMARKS INDICATES AVERAGE FOR PERIOD.

76D138N-68B Gb 7-55

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 56

Drainage Area 2.64 Square Miles. Capacity of Reservoir 138.2 Ac. Ft. at Spillway Elev. 1152.5 Ft. as of September 19 53 Survey

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		NO STORAGE	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			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	1143.1	42.1	24.2	0	26
27			0	0			0	0			0	0	1145.4	59.7	34.4	20.5	27
28			0	0			0	0			0	0	1144.9	55.6	10.3	8.4	28
29			0	0			0	0			0	0	1144.5	52.6	10.8	8.4	29
30			0	0			0	0			0	0	1143.6	45.8	8.1	8.4	30
31			0	0							0	0	1142.6	38.6	7.9	8.4	31
TOTAL			0	0			0	0			0	0			95.7	54.1	
Inf. Ac. Ft.			0				0				0				189.8	189.8	
Outf. Ac. Ft.				0				0				0		107.3+	(43.9)	107.3 + (43.9)	
Maximum Mean Daily Inflow															34.4	34.4	
Minimum Mean Daily Inflow															0	0	
Storage Change														+38.6		+38.6	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1145.85	feet	on 1/27/56	Storage	63.4	Acre Feet			
Min. W. S. Elev.		feet	on MOST OF YEAR	Storage	0	Acre Feet			
Max. Peak Inf.	93.	C.F.S. from	6:00 P.M. on 1/26/56	to	7:00 P.M.	on	1/26/56		
Max. Peak Outf.	39.	C.F.S. from	4:00 P.M. on 1/27/56	to	5:30 P.M.	on	1/27/56		
REMARKS	() INDICATES PERCOLATION LOSSES								

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
	Dam Tender	Gage Hts. copied	JHL HRW	
G.H. MIDDLETON	Hydrographer	Storage applied	JHL HRW	
	Hydrographer	Inf. & Outf. comp.	JHL HRW	

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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 56

Drainage Area 2.64 Square Miles. Capacity of Reservoir 138.2 Ac. Ft. at Spillway Elev. 1152.5 Ft. as of September 19 53 Survey

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	1140.6	25.0	3.4	7.8			0	0			0	0			0	0	1
2	1138.9	15.1	0	2.9			0	0			0	0			0	0	2
3	1138.4	12.8	0	0			0	0			0	0			0	0	3
4	1137.9	10.6	0	0			0	0			0	0			0	0	4
5	1137.4	8.7	0	0			0	0			0	0			0	0	5
6	1136.8	6.5	0	0			0	0			0	0			0	0	6
7	1136.3	4.9	0	0			0	0			0	0			0	0	7
8	1135.8	3.4	0	0			0	0			0	0			0	0	8
9	1135.4	2.5	0	0			0	0			0	0			0	0	9
10	1134.9	1.4	0	0			0	0			0	0			0	0	10
11	1134.7	1.2	0	0			0	0			0	0			0	0	11
12	1134.4	0.8	0	0			0	0			0	0			0	0	12
13	1134.1	0.4	0	0			0	0			0	0			0	0	13
14		POOL	0	0			0	0			0	0			0	0	14
15			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		DRY	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	30
31							0	0							0	0	31
TOTAL			3.4	10.7			0	0			0	0			0	0	
Inf. Ac. Ft.			6.7				0				0				0	196.5	
Outf. Ac. Ft.			21.2+	(24.1)				0				0			0	128.5 + (68.0)	
Maximum Mean Daily Inflow			3.4													34.4	
Minimum Mean Daily Inflow			0													0	
Storage Change		-38.6														0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1145.85	feet	on 1/27/56	Storage	63.4	Acre Feet			
Min. W. S. Elev.		feet	on MOST OF YEAR	Storage	0	Acre Feet			
Max. Peak Inf.	93.	C.F.S. from	6:00 P.M. on 1/26/56	to	7:00 P.M.	on	1/26/56		
Max. Peak Outf.	39.	C.F.S. from	4:00 P.M. on 1/27/56	to	5:30 P.M.	on	1/27/56		
REMARKS	() INDICATES PERCOLATION LOSSES								

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
	Dam Tender	Gage Hts. copied	JHL	
G.H. MIDDLETON	Hydrographer	Storage applied	JHL	
	Hydrographer	Inf. & Outf. comp.	JHL	

76D138N-68B Gb 7-55

Daily Gage Height in feet and Operation Record of PUDDINGSTONE DIVERSION Dam

In/On San Dimas Wash for the Year Ending September 30, 1956

Drainage Area 2.64 Square Miles. Capacity of Reservoir 138.2 Ac. Ft. at Spillway Elev. 1152.5 Ft. as of September 1953 Survey

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

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					31
TOTAL			0	0			0	0			0	0			0	0	
Inf. Ac. Ft.			0				0				0				0	196.5	
Outf. Ac. Ft.				0				0				0			0	128.5 + (68.0)	
Maximum Mean Daily Inflow																34.4	
Minimum Mean Daily Inflow																0	
Storage Change																0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1145.85	feet	on 1/27/56	Storage	63.4	Acre Feet	RECORDS COLLECTED BY	COMPUTATIONS	ckd. Date
Min. W. S. Elev.		feet	on MOST OF YEAR	Storage	0	Acre Feet	Dam Tender	Gage Hts. copied	JHL
Max. Peak Inf.	93.	C.F.S. from	6:00 P.M. on 1/26/56	to	7:00 P.M. on	1/26/56	Hydrographer	Storage applied	JHL
Max. Peak Outf.	39.	C.F.S. from	4:00 P.M. on 1/27/56	to	5:30 P.M. on	1/27/56	Hydrographer	Inf. & Outf. comp.	JHL

REMARKS () INDICATES PERCOLATION LOSSES

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Daily Gage Height in feet and Operation Record of PUDDINGSTONE DIVERSION Dam

In/On San Dimas Wash for the Year Ending September 30, 1957

Drainage Area 2.64 Square Miles. Capacity of Reservoir 138.2 Ac. Ft. at Spillway Elev. 1152.5 Ft. as of September 1953 Survey

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

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	September Gage Height	September Acre Ft. Storage	September C.F.S. Inflow	September C.F.S. Outflow	Day
1																	1
2																	2
3																	3
4																	4
5																	5
6																	6
7																	7
8																	8
9																	9
10																	10
11																	11
12																	12
13																	13
14																	14
15																	15
16																	16
17																	17
18																	18
19																	19
20																	20
21																	21
22																	22
23																	23
24																	24
25																	25
26																	26
27																	27
28																	28
29																	29
30																	30
31																	31
TOTAL																	
Inf. Ac. Ft.																	
Outf. Ac. Ft.																	
Maximum Mean Daily Inflow																	
Minimum Mean Daily Inflow																	
Storage Change																	

No storage entire season

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	NO	feet	on	Storage		Acre Feet	RECORDS COLLECTED BY	COMPUTATIONS	ckd. Date
Min. W. S. Elev.	STORAGE	feet	on	Storage		Acre Feet	Dam Tender	Gage Hts. copied	
Max. Peak Inf.		C.F.S. from	on	to	on		G.H. MIDDLETON	Hydrographer	Storage applied
Max. Peak Outf.		C.F.S. from	on	to	on		Hydrographer	Inf. & Outf. comp.	

REMARKS

76D138N-68B Gb 7-55

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of PUDDINGSTONE Dam

In Puddingstone Creek for the Year Ending September 30, 1956

On

Drainage Area 32.1 Square Miles. Capacity of Reservoir 17,190 Ac. Ft. at Spillway Elev. 970.0 Ft. as of January 1941 Survey

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	910.09	1748.1	3.9	0.05	950.92	9642.8	236.5	295.0	932.17	4828.5	236.5	182.0	921.08	2998.3	(0.1)	0.05	1
2	910.15	1753.9	4.0	0.05	950.16	9403.8	238.1	347.0	931.22	4644.9	236.5	322.0	921.07	2996.9	0.1	0.05	2
3	910.21	1759.6	3.2	0.05	949.38	9162.8	238.1	347.0	930.49	4507.8	236.5	296.0	921.06	2995.5	0.1	0.05	3
4	910.23	1761.6	1.7	0.05	948.62	8931.6	236.5	353.0	932.31	4856.3	236.5	38.0	921.06	2995.5	0.1	0.05	4
5	910.24	1762.5	1.6	0.05	947.80	8686.0	238.1	353.0	933.10	5014.1	234.9	143.0	921.06	2995.5	0.1	0.05	5
6	910.26	1764.4	1.4	0.05	947.00	8450.2	236.5	353.0	933.42	5079.9	234.9	190.0	921.05	2994.2	0.1	0.05	6
7	910.32	1770.2	4.3	0.05	946.19	8216.5	238.1	350.0	933.20	5034.7	234.9	254.0	921.05	2994.2	0.1	0.05	7
8	910.44	1781.7	6.6	0.05	945.41	7995.2	238.1	350.0	931.96	4787.0	235.7	356.0	921.04	2992.8	0.1	0.05	8
9	910.56	1793.2	6.6	0.05	944.60	7769.3	238.1	353.0	930.67	4541.3	234.9	353.0	921.04	2992.8	0.1	0.05	9
10	910.65	1801.8	4.1	0.05	943.75	7536.8	238.1	356.0	929.27	4285.0	234.9	358.0	921.03	2991.4	0.1	0.05	10
11	910.63	1799.9	0	0.05	942.87	7301.0	236.5	356.0	927.63	3998.1	234.9	364.0	921.03	2991.4	0.1	0.05	11
12	912.78	2014.6	115.1	0.05	942.00	7072.7	236.5	353.0	926.20	3758.8	234.9	363.0	921.03	2991.4	0.1	0.05	12
13	916.77	2454.6	237.6	0.05	941.20	6868.1	235.7	334.0	924.33	3464.6	236.5	363.0	921.02	2990.0	0.2	0.05	13
14	920.23	2885.0	242.0	0.06	941.71	6998.5	236.5	171.0	922.56	3204.2	237.3	362.0	921.02	2990.0	0.2	0.05	14
15	923.27	3306.6	236.5	0.06	940.80	6767.0	236.5	353.0	920.70	2947.5	236.5	362.0	921.02	2990.0	0.2	0.05	15
16	926.00	3725.8	236.5	0.07	939.82	6523.6	236.5	353.0	918.60	2676.4	236.5	362.0	921.02	2990.0	0.2	0.05	16
17	928.53	4134.0	236.5	0.07	941.53	6952.5	236.5	32.0	916.40	2411.5	236.5	362.0	921.01	2988.7	0.2	0.05	17
18	930.88	4530.3	236.5	0.07	942.55	7217.0	236.5	82.0	913.99	2141.8	236.5	362.0	921.01	2988.7	0.2	0.05	18
19	933.00	4993.5	236.5	0.08	941.62	6975.5	235.7	344.0	911.54	1889.0	236.5	361.0	921.01	2988.7	0.2	0.05	19
20	935.00	5412.2	236.5	0.08	940.70	6742.0	236.5	341.0	908.74	1624.0	236.5	362.0	921.00	2987.3	0.2	0.05	20
21	936.93	5840.6	236.5	0.08	941.13	6850.2	235.7	175.0	905.76	1370.8	236.5	363.0	921.00	2987.3	0.2	0.05	21
22	938.70	6253.1	235.7	0.08	940.13	6599.8	235.7	344.0	902.20	1102.7	236.5	364.0	921.00	2987.3	0.2	0.05	22
23	940.40	6667.2	236.5	0.08	939.17	6365.5	236.5	341.0	907.27	1495.5	236.5	220.0	921.00	2987.3	0.2	0.05	23
24	942.05	7085.8	236.5	0.08	938.26	6148.8	236.5	341.0	912.00	1934.7	234.9	0.1	921.00	2987.3	(0.2)	0.05	24
25	943.66	7512.6	236.5	0.08	937.28	5921.0	236.5	341.0	916.00	2364.9	234.9	0.05	921.40	3042.2	27.7	0.05	25
26	945.18	7930.3	237.3	0.08	936.21	5678.6	236.5	347.0	919.45	2783.9	234.9	0.05	927.35	3950.4	458.2	0.08	26
27	946.62	8340.6	238.1	0.08	935.14	5442.9	234.9	344.0	921.11	3002.4	121.7	0.05	927.98	4057.7	54.5	0.08	27
28	948.02	8751.0	238.1	0.08	934.13	5227.0	236.5	341.0	921.11	3002.4	0	0.05	928.02	4064.6	4.1	0.09	28
29	949.37	9159.8	236.5	0.08	933.23	4947.6	238.1	346.0	921.09	2999.7	0	0.05	928.04	4068.1	2.4	0.09	29
30	950.72	9579.9	238.0	0.08	931.68	4733.2	236.5	350.0	921.09	2999.7	0	0.05	928.07	4073.4	3.4	0.09	30
31	951.38	9790.4	238.1	109.0					921.08	2998.3	0	0.05	928.11	4080.4	4.0	0.09	31
TOTAL			4658.9	110.90			7103.0	9417.2			6254.7	6864.45			5579.	1.77	
Inf. Ac. Ft.			9240.8				14088.6				12406.0				11066.	36842.0	
Outf. Ac. Ft.			220.0+(973.7)				18678.7+(467.1)				13615.4+(525.5)				35+(21.0)	32517.6+(1987.3	
Maximum Mean Daily Inflow			242.0				238.1				237.3				458.2	458.2	
Minimum Mean Daily Inflow			0				234.9				0				0.1	0	
Storage Change			+8047.1				-5057.2				-1734.9				+1082.1	2337.1	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	951.41	feet	on	11/1/55	Storage	9800.0	Acre Feet			
Min. W. S. Elev.	910.04	feet	on	10/1/55	Storage	1743.3	Acre Feet			
Max. Peak Inf.	1360.	C.F.S. from	1:00 P.M. on	1/26/56	to	2:00 P.M.	on	1/26/56		
Max. Peak Outf.	373.	C.F.S. from	4:05 P.M. on	12/22/56	to	6:00 P.M.	on	12/22/55		

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
F.A. POLLARD	Dam Tender	Gage Hts. copied	JHL	
G.H. MIDDLETON	Hydrographer	Storage applied	JHL	
	Hydrographer	Inf. & Outf. comp.	JHL	

REMARKS (INDICATES AVERAGE FOR PERIOD
()INDICATES EVAPORATION, PERCOLATION AND OTHER LOSSES

76D138N-68B Gb 7-55

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of PUDDINGSTONE Dam

In Puddingstone Creek for the Year Ending September 30, 1956

On

Drainage Area 32.1 Square Miles. Capacity of Reservoir 17,190 Ac. Ft. at Spillway Elev. 970.0 Ft. as of January 1941 Survey

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	928.12	4082.1	1.6	0.09	927.99	4059.4	0	0.08	927.67	4004.9	0	0.07	927.67	4004.9	0	0.07	1
2	928.12	4082.1	0.6	0.09	927.99	4059.4	0	0.08	927.67	4004.9	0	0.07	927.66	4003.2	0	0.07	2
3	928.12	4082.1	0	0.09	927.98	4057.7	0	0.08	927.66	4003.2	0	0.07	928.21	4097.9	53.7	0.07	3
4	928.11	4080.4	0	0.08	927.97	4056.0	0	0.08	927.64	3999.8	0	0.07	929.94	4405.9	169.8	0.07	4
5	928.11	4080.4	0	0.08	927.96	4054.3	0	0.08	927.62	3996.4	0	0.07	932.24	4842.4	220.7	0.07	5
6	928.10	4078.6	0	0.07	927.95	4052.6	0	0.08	927.61	3994.7	0	0.07	934.15	5231.2	204.0	0.07	6
7	928.10	4078.6	0	0.07	927.94	4050.9	0	0.08	927.59	3991.3	0	0.07	935.97	5624.8	205.5	0.07	7
8	928.09	4076.9	0	0.06	927.93	4049.2	0	0.08	927.57	3987.9	0	0.07	937.67	6011.0	205.0	0.07	8
9	928.09	4076.9	0	0.06	927.92	4047.5	0	0.08	927.56	3986.2	0	0.07	939.41	6423.9	218.2	0.07	9
10	928.08	4075.1	0	0.06	927.91	4045.8	0	0.08	927.56	3986.2	0	0.07	941.00	6816.9	208.0	0.07	10
11	928.07	4073.4	0	0.06	927.90	4044.1	0	0.08	927.55	3984.5	0	0.07	941.05	6829.7	204.0	188.0	11
12	928.06	4071.6	0	0.06	927.89	4042.4	0	0.08	927.71	4011.7	11.2	0.07	939.85	6530.9	202.0	348.0	12
13	928.06	4071.6	0	0.06	927.88	4040.7	0	0.08	927.76	4020.2	4.4	0.07	938.66	6243.6	204.0	345.0	13
14	928.06	4071.6	0	0.06	927.87	4039.0	0	0.08	927.76	4020.2	0.4	0.07	937.45	5960.2	204.0	345.0	14
15	928.05	4069.9	0	0.06	927.86	4037.3	0	0.08	927.75	4018.5	0	0.07	936.22	5680.9	207.0	353.0	15
16	928.04	4068.1	0	0.06	927.85	4035.6	0	0.08	927.74	4016.8	0	0.07	934.94	5399.4	205.0	350.0	16
17	928.03	4066.4	0	0.06	927.84	4033.9	0	0.08	927.73	4015.1	0	0.07	933.60	5117.0	201.0	348.0	17
18	928.02	4064.6	0	0.06	927.83	4032.1	0	0.08	927.73	4015.1	0	0.07	932.10	4814.6	201.0	359.0	18
19	928.01	4062.9	0	0.06	927.82	4030.4	0	0.08	927.72	4013.4	0	0.07	930.60	4528.2	201.0	353.0	19
20	928.01	4062.9	0	0.06	927.81	4028.7	0	0.08	927.71	4011.7	0	0.07	929.00	4236.3	201.0	353.0	20
21	928.00	4061.1	0	0.07	927.80	4027.0	0	0.08	927.70	4010.0	0	0.07	926.34	3781.9	112.8	348.0	21
22	928.00	4061.1	(0	0.07	927.79	4025.3	0	0.08	927.70	4010.0	0	0.07	921.92	3113.6	0	346.0	22
23	928.03	4066.4	2.8	0.07	927.78	4023.6	0	0.08	927.68	4006.6	0	0.07	916.46	2418.5	0	353.0	23
24	928.04	4068.1	1.0	0.07	927.77	4021.9	0	0.08	927.67	4004.9	0	0.07	914.01	2144.0	0	147.0	24
25	928.03	4066.4	0	0.08	927.76	4020.2	0	0.08	927.67	4004.9	0	0.07	914.02	2145.1	0	0.09	25
26	928.02	4064.6	0	0.08	927.75	4018.5	0	0.08	927.71	4011.7	2.7	0.07	914.02	2145.1	0	0.09	26
27	928.02	4064.6	0	0.08	927.73	4015.1	0	0.08	927.70	4010.0	0	0.07	914.03	2146.2	0	0.09	27
28	928.01	4062.9	0	0.08	927.72	4013.4	0	0.08	927.69	4008.3	0	0.07	914.03	2146.2	0	0.09	28
29	928.00	4061.1	(0	0.08	927.71	4011.7	0	0.08	927.68	4006.6	0	0.07	914.03	2146.2	0	0.09	29
30					927.69	4008.3	0	0.08	927.67	4004.9	(0	0.07	914.02	2145.1	0	0.09	30
31					927.68	4006.6	0	0.08					914.02	2145.1	0	0.09	31
TOTAL			6.0	2.03			0	2.48			18.7	2.10			3627.7	4537.3	
Inf. Ac. Ft.			11.9				0				37.1				7195.4	44086.4	
Outf. Ac. Ft.			4.0+(27.2)				4.9+(49.6)				4.2+(34.7)				8999.7+(55.5)	41530.4+(2154.3	
Maximum Mean Daily Inflow			2.8				0				1.1.1				220.7	458.2	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change			-193				-545				-1.7				-1859.8	+401.8	

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Max. W. S. Elev.	951.41	feet	on	11/1/55	Storage	9800.0	Acre Feet			
Min. W. S. Elev.	910.04	feet	on	10/1/55	Storage	1743.3	Acre Feet			
Max. Peak Inf.	1360.	C.F.S. from	1:00 P.M. on	1/26/56	to	2:00 P.M.	on	1/26/56		
Max. Peak Outf.	373.	C.F.S. from	4:05 P.M. on	12/22/55	to	6:00 P.M.	on	12/22/55		

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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	914.01	2144.0	0.2	0.09	913.59	2099.6	0	0.09	913.05	2042.5	0	0.09	925.10	3582.9	199.0	0.09	1
2	914.00	2142.9	0.2	0.09	913.58	2098.5	0	0.09	913.03	2040.4	0	0.09	927.37	3953.8	198.0	0.09	2
3	913.99	2141.8	0.3	0.09	913.56	2096.4	0	0.09	913.02	2039.3	0	0.09	929.42	4312.1	197.0	0.09	3
4	913.98	2140.8	0.3	0.09	913.54	2094.3	0	0.09	912.99	2036.2	0	0.09	931.50	4698.7	199.2	0.09	4
5	913.97	2139.7	0.3	0.09	913.53	2093.2	0	0.09	912.98	2035.2	0	0.09	933.34	5063.4	202.0	0.09	5
6	913.96	2138.7	0.3	0.09	913.51	2091.1	0	0.09	912.96	2033.1	0	0.09	935.15	5445.1	199.0	0.09	6
7	913.95	2137.6	0.3	0.09	913.50	2090.0	0	0.09	912.94	2031.0	0	0.09	936.76	5802.3	202.8	0.09	7
8	913.94	2136.6	0.3	0.09	913.49	2089.0	0	0.09	912.92	2029.0	0	0.09	938.43	6189.1	202.0	0.09	8
9	913.93	2135.5	0.2	0.09	913.46	2085.8	0	0.09	912.90	2027.0	0	0.09	939.96	6557.7	198.0	0.09	9
10	913.92	2134.4	0.2	0.09	913.44	2083.7	0	0.09	912.88	2024.9	0	0.09	941.46	6934.6	199.0	0.1	10
11	913.90	2132.3	0.2	0.09	913.42	2081.6	0	0.09	912.86	2022.8	0	0.09	942.94	7319.4	201.0	0.1	11
12	913.88	2130.2	0.2	0.09	913.41	2080.5	0	0.09	912.85	2021.8	0	0.09	944.31	7689.4	198.0	0.1	12
13	913.87	2129.2	0.2	0.09	913.38	2077.4	0	0.09	912.82	2018.8	0	0.09	945.62	8054.5	200.4	0.1	13
14	913.85	2127.0	0.2	0.09	913.36	2075.3	0	0.09	912.80	2016.7	0	0.09	946.94	8432.9	201.0	0.1	14
15	913.83	2124.9	0.1	0.09	913.35	2074.2	0	0.09	912.79	2015.7	0	0.09	948.18	8799.2	201.0	0.1	15
16	913.82	2123.9	0.1	0.09	913.33	2072.1	0	0.09	912.78	2014.6	0	0.09	949.43	9178.2	201.0	0.1	16
17	913.81	2122.8	0.1	0.09	913.31	2070.0	0	0.09	912.76	2012.6	0	0.09	950.63	9551.6	201.0	0.1	17
18	913.80	2121.8	0.1	0.09	913.30	2068.9	0	0.09	912.75	2011.6	0	0.09	950.68	9567.4	201.0	19.3	18
19	913.78	2119.6	0.1	0.09	913.28	2066.8	0	0.09	912.73	2009.5	0	0.09	949.75	9276.6	201.5	34.6	19
20	913.77	2118.6	0.1	0.09	913.26	2064.7	0	0.09	912.71	2007.5	0	0.09	948.78	8979.8	202.0	34.8	20
21	913.76	2117.5	0.1	0.09	913.24	2062.6	0	0.09	912.68	2004.4	0	0.09	947.73	8665.4	202.0	36.5	21
22	913.75	2116.5	0.1	0.09	913.22	2060.5	0	0.09	912.67	2003.4	0	0.09	946.60	8334.8	201.0	37.4	22
23	913.73	2114.4	0.1	0.09	913.20	2058.3	0	0.09	912.65	2001.3	0	0.09	945.43	8000.8	201.0	36.9	23
24	913.72	2113.3	0.1	0.09	913.19	2057.3	0	0.09	912.63	1999.3	0	0.09	944.22	7664.6	201.0	37.3	24
25	913.70	2111.2	0.1	0.09	913.18	2056.2	0	0.09	912.62	1998.2	0	0.09	942.94	7319.4	201.0	37.0	25
26	913.68	2109.1	0	0.09	913.17	2055.2	0	0.09	912.61	1997.2	0	0.09	941.58	6965.3	201.0	38.6	26
27	913.67	2108.0	0	0.09	913.15	2053.1	0	0.09	912.60	1996.2	0	0.09	940.20	6617.3	201.0	37.8	27
28	913.65	2105.9	0	0.09	913.13	2050.9	0	0.09	913.68	2109.1	64.0	0.09	938.79	6274.4	201.0	37.5	28
29	913.63	2103.8	0	0.09	913.11	2048.8	0	0.09	916.69	2445.3	176.2	0.09	937.38	5944.0	201.0	37.3	29
30	913.61	2101.7	0	0.09	913.10	2047.8	0	0.09	919.71	2817.3	198.5	0.09	935.79	5585.4	209.5	39.8	30
31					913.07	2044.6	0	0.09	922.50	3195.7	200.0	0.09					31
TOTAL			4.5	2.70			0	2.79			638.7	2.79			6023.4	4650.31	
Inf. Ac. Ft.			9.0				0				1266.8				11947.2		57309.4
Outf. Ac. Ft.			5.4+(4.7.0)				5.5+(51.6)				550.10.2)				9223.8+(333.7)		50770.6+(2696.8)
Maximum Mean Daily Inflow			0.3				0				200.0				209.5		458.2
Minimum Mean Daily Inflow			0				0				0				197.0		0
Storage Change			-43.4				-57.1				+1151.1				+2389.7		+3842.1

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	951.41	feet	on	11/1/55	Storage	9800.0	Acre Feet			
Min. W. S. Elev.	910.04	feet	on	10/1/55	Storage	1743.3	Acre Feet			
Max. Peak Inf.	1360.	C. F. S. from	1:00 P.M.	on	1/26/56	to	2:00 P.M.	on	1/26/56	
Max. Peak Outf.	373.	C. F. S. from	4:05 P.M.	on	12/22/55	to	6:00 P.M.	on	12/22/56	

RECORDS COLLECTED BY

F.A. POLLARD	Dam Tender
G.H. MIDDLETON	Hydrographer
	Hydrographer

COMPUTATIONS

	ckd.	Date
Gage Hts. copied	JHL	
Storage applied	JHL	
Inf. & Outf. comp.	JHL	

REMARKS { INDICATES AVERAGE FOR PERIOD
() INDICATES EVAPORATION, PERCOLATION AND OTHER LOSSES

76D138M-68B Gb 7-55

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, 1957

Drainage Area 32.1 Square Miles. Capacity of Reservoir 17,190 Ac. Ft. at Spillway Elev. 970.0 Ft. as of January 1941 Survey

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	934.22	5246.1	201.0	378.0	950.77	9595.7	201.0	209.0	934.21	5244.0	201.0	0.1	914.38	2184.4	0	359.0	1
2	932.54	4902.1	201.0	381.0	949.69	9258.2	201.5	372.0	935.99	5629.2	201.0	0.1	910.81	1817.2	0	186.0	2
3	930.81	4567.3	201.0	378.0	948.63	8934.6	201.0	370.0	937.72	6022.5	201.0	0.1	910.84	1820.1	2.0	0.1	3
4	929.87	4393.2	201.0	290.0	947.55	8612.3	201.0	368.0	939.34	6406.9	201.0	0.1	910.87	1822.9	2.0	0.1	4
5	928.68	4180.2	201.0	313.0	946.48	8300.2	201.0	366.0	940.95	6804.4	206.6	0.1	910.97	1832.5	5.2	0.1	5
6	926.85	3866.0	201.0	367.0	945.37	7983.9	201.0	368.0	942.45	7190.8	200.0	0.1	910.99	1834.4	1.2	0.1	6
7	924.90	3551.7	201.0	368.0	944.22	7664.6	201.0	368.0	943.90	7577.1	200.0	0.1	911.05	1840.4	3.3	0.1	7
8	922.79	3236.9	201.0	369.0	943.09	7359.3	202.0	366.0	945.28	7958.5	201.0	0.1	911.08	1843.3	1.5	0.1	8
9	920.54	2926.2	201.0	364.0	941.77	7013.9	193.8	372.0	946.62	8340.6	201.0	0.1	911.22	1857.2	7.5	0.1	9
10	918.12	2616.7	201.0	364.0	940.16	6607.3	161.7	370.0	947.93	8724.4	201.0	0.1	911.29	1864.2	3.7	0.1	10
11	915.49	2307.4	201.0	368.0	938.38	6177.3	151.0	366.0	949.18	9101.4	202.0	0.1	911.31	1866.2	1.1	0.1	11
12	914.75	2224.8	201.0	248.0	936.50	5743.9	151.0	372.0	949.08	9070.6	202.0	215.0	911.76	1910.9	22.7	0.1	12
13	918.18	2624.2	200.0	0.1	934.50	5305.8	151.0	372.0	947.93	8724.4	201.0	377.0	912.76	2012.6	51.5	0.1	13
14	921.17	3010.6	200.0	0.1	932.47	4888.1	165.1	377.0	946.78	8386.7	201.0	375.0	912.78	2014.7	1.3	0.1	14
15	923.92	3402.4	199.0	0.1	930.43	4496.6	176.0	375.0	945.61	8051.6	201.0	370.0	912.80	2016.7	1.4	0.1	15
16	926.44	3798.4	201.0	0.1	928.22	4099.6	176.0	377.0	944.40	7714.2	201.0	366.0	912.81	2017.7	0.9	0.1	16
17	928.68	4180.2	201.0	0.1	925.84	3700.4	178.0	375.0	943.24	7399.6	201.0	363.0	912.82	2018.8	1.0	0.1	17
18	930.82	4569.1	201.0	0.1	923.25	3303.6	163.5	361.0	942.04	7083.2	201.0	361.0	912.82	2018.8	0.5	0.1	18
19	932.78	4949.8	201.0	0.1	921.90	2841.7	151.0	370.0	940.85	6779.5	202.0	359.0	912.83	2019.8	0.9	0.1	19
20	934.64	5335.6	201.0	0.1	916.52	2425.5	151.0	370.0	939.66	6484.7	202.0	354.0	912.86	2022.8	1.8	0.1	20
21	936.43	5728.1	201.0	0.1	914.87	2237.9	151.0	244.0	938.37	6174.9	201.0	360.0	912.87	2023.9	0.8	0.1	21
22	938.14	6120.4	201.0	0.1	917.35	2523.5	151.0	0.1	937.05	5867.8	201.0	361.0	912.87	2023.9	0.3	0.1	22
23	939.77	6511.5	201.0	0.1	919.63	2807.0	151.0	0.1	935.72	5570.0	201.0	356.0	912.90	2027.0	1.7	0.1	23
24	941.30	6893.6	201.0	0.1	921.78	3094.4	150.0	0.1	934.28	5258.9	202.0	363.0	912.92	2029.0	1.3	0.1	24
25	942.79	7280.0	201.0	0.1	923.77	3380.3	150.0	0.1	932.75	4943.8	204.0	361.0	912.95	2032.1	1.9	0.1	25
26	944.23	7667.4	201.5	0.1	925.58	3659.1	150.0	0.1	931.20	4641.0	202.0	356.0	913.08	2045.7	7.2	0.1	26
27	945.70	8077.0	203.0	0.1	927.34	3948.7	150.0	0.1	929.51	4328.3	200.0	361.0	913.16	2054.1	4.7	0.1	27
28	947.03	8459.0	204.0	0.1	928.95	4227.5	150.0	0.1	927.72	4013.4	201.0	361.0	913.18	2056.2	1.4	0.1	28
29	948.33	8844.3	204.0	0.1	930.48	4505.9	150.0	0.1	925.79	3692.5	201.0	362.0	913.29	2067.9	6.2	0.1	29
30	949.58	9224.4	204.0	0.1	932.28	4850.4	183.2	0.1	923.81	3366.2	201.0	359.0	913.30	2068.9	0.8	0.1	30
31	950.83	9614.5	201.0	0.1					920.25	2887.7	98.2	358.0	913.31	2070.0	0.8	0.1	31
TOTAL			6238.5	4189.9			5114.8	7488.9			6139.6	7099.1			136.6	547.9	
Inf. Ac. Ft.			12373.9+(23.2)				10145.1+(20.8)				12178.1				2709+(12.4)		34968.0+(56.4)*
Outf. Ac. Ft.			8310.5+(57.5)				14854.0+(76.0)				14080.9+(59.9)				1086.7+(14.3)		38332.1+(207.7)
Maximum Mean Daily Inflow			204.0				201.5				206.6				51.5		206.6
Minimum Mean Daily Inflow			199.0				150.0				98.2				0.		0
Storage Change			+4029.1				-4764.1				-1962.7				-817.7		-3515.4

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	951.30	feet	on	11/1/56	Storage	9765.	Acre Feet			
Min. W. S. Elev.	900.35	feet	on	4/26/57	Storage	977.	Acre Feet			
Max. Peak Inf.	262.	C. F. S. from	2:00 A.M.	on	1/13/57	to	3:00 A.M.	on	1/13/57	
Max. Peak Outf.	401.	C. F. S. from	8:03 A.M.	on	4/26/57	to	8:20 A.M.	on	4/26/57	

RECORDS COLLECTED BY

F.A. POLLARD	Dam Tender
G.H. MIDDLETON	Hydrographer
	Hydrographer

COMPUTATIONS

	ckd.	Date
Gage Hts. copied	JHL	FES
Storage applied	JHL	FES
Inf. & Outf. comp.	JHL	FES

REMARKS () INDICATES AVERAGE FOR PERIOD
* BANK STORAGE RECOVERED

76D138N-68B Gb 7-55

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 57

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, 1941 Survey 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	913.31	20700	0.4	0.1	913.84	21260	3.4	0.1	945.25	79500	170.1	269.0	912.17	19521	200.7	0.1	1
2	913.32	20710	0.7	0.1	913.85	21270	0.7	0.1	942.65	72433	13.7	375.0	912.52	19880	18.6	0.1	2
3	913.32	20710	0.4	0.1	913.85	21270	0.3	0.1	939.92	65479	7.1	363.0	912.51	19870	0.2	0.1	3
4	913.32	20710	0.4	0.1	913.85	21270	0.3	0.1	937.11	58817	10.9	352.0	912.51	19870	0.6	0.1	4
5	913.32	20710	0.4	0.1	913.85	21270	0.2	0.1	933.86	51705	0	361.0	912.50	19860	0.1	0.1	5
6	913.32	20710	0.4	0.1	913.85	21270	0.3	0.1	930.41	44929	0	356.0	912.50	19860	0.6	0.1	6
7	913.32	20710	0.2	0.1	913.85	21270	0.4	0.1	926.40	37918	0	362.0	912.49	19849	0	0.1	7
8	913.33	20721	0.7	0.1	913.85	21270	0.2	0.1	923.56	33493	122.0	354.0	912.48	19839	*0.2	0.1	8
9	913.34	20731	0.7	0.1	913.92	21344	4.0	0.1	921.30	30285	201.0	369.0	912.48	19839	0.7	0.1	9
10	913.35	20742	0.8	0.1	913.91	21334	0	0.1	918.87	27099	201.0	370.0	912.48	19839	0.3	0.1	10
11	913.35	20742	0.3	0.1	915.51	23096	94.8	0.1	916.15	23824	201.0	367.0	912.55	19911	4.1	0.1	11
12	913.36	20753	1.0	0.1	918.82	27037	202.0	0.1	914.88	22390	201.0	271.0	912.56	19921	0.8	0.1	12
13	913.37	20763	1.0	0.1	921.77	30930	202.0	0.1	918.31	26403	204.0	0.1	912.55	19911	0	0.1	13
14	913.37	20763	0.3	0.1	924.46	34845	202.0	0.1	921.35	30354	201.0	0.1	912.56	19921	1.0	0.1	14
15	913.38	20774	0.6	0.1	926.86	38677	202.0	0.1	924.02	34173	201.0	0.1	912.55	19911	0	0.1	15
16	913.38	20774	0.2	0.1	928.19	42706	211.0	0.1	926.46	38017	201.0	0.1	912.54	19900	0	0.1	16
17	913.38	20774	0.2	0.1	931.29	46583	202.0	0.1	928.75	41925	201.0	0.1	912.54	19900	0.6	0.1	17
18	913.38	20774	0.2	0.1	933.25	50450	202.0	0.1	928.49	41469	204.1	227.0	912.55	19911	0.8	0.1	18
19	913.38	20774	0.2	0.1	935.09	54319	202.0	0.1	926.82	38611	201.3	345.0	912.67	20034	6.7	0.1	19
20	913.38	20774	0.2	0.1	936.83	58181	201.0	0.1	926.75	38496	205.7	211.0	912.67	20034	0.4	0.1	20
21	913.38	20774	0.2	0.1	938.48	62010	201.0	0.1	926.63	38298	211.3	221.0	912.67	20034	0.5	0.1	21
22	913.39	20784	0.8	0.1	940.08	65877.4	201.0	0.1	924.60	35059	96.0	266.0	912.66	20024	0	0.1	22
23	913.65	21059	14.3	0.1	941.58	69653	202.0	0.1	919.65	28096	0	349.0	912.65	20013	0	0.1	23
24	913.65	21059	0.1	0.1	943.06	73512	202.0	0.1	913.67	21080	0	364.0	912.64	20003	0	0.1	24
25	913.66	21070	0.9	0.1	944.47	77335	204.0	0.1	906.08	13965	0	368.0	912.63	19993	0.1	0.1	25
26	913.66	21070	0.3	0.1	945.83	81137	202.0	0.1	900.35	9767	0	211.0	912.63	19993	0.7	0.1	26
27	913.66	21070	0.1	0.1	947.19	85062	209.0	0.1	900.39	9793	1.7	0.1	912.61	19972	0	0.1	27
28	913.78	21196	6.5	0.1	943.54	89075	212.5	0.1	900.41	9806	1.2	0.1	912.60	19962	0	0.1	28
29					948.42	88714	214.0	232.0	903.17	11723	99.3	0.1	912.60	19962	0.6	0.1	29
30					947.49	85947	216.0	352.0	908.02	15599	201.0	0.1	912.59	19952	0	0.1	30
31					946.57	83261	214.0	352.0					912.58	19942	0.1	0.1	31
TOTAL			32.5	2.8			4208.1	9388			3357.4	6831.9			238.4	3.1	
Inf. Ac. Ft.			645				83466+	(8.7)			66593+	(218.6)			472.9		50511.3+(283.7*
Outf. Ac. Ft.			56+	(9.3)			18621+	(286.8)			13550.9+	(93.2)			61+	(32.5)	63756.8+(629.5)
Maximum Mean Daily Inflow			14.3				216.0				211.3				200.7		216.0
Minimum Mean Daily Inflow			0.1				0				0				0		0
Storage Change		+495				+62065				-67662				+4343			-3591.2

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	951.30	feet on	11/1/56	Storage	9765.	Acre Feet			
Min. W. S. Elev.	900.35	feet on	4/26/57	Storage	977.	Acre Feet			
Max. Peak Inf.	262.	C.F.S. from	2:00 A.M. on	1/13/57	to	3:00 A.M. on	1/13/57		
Max. Peak Outf.	401.	C.F.S. from	8:03 A.M. on	4/26/57	to	8:20 A.M. on	4/26/57		

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
F.A. POLLARD	Dam Tender	Gage Hts. copied	JHL FES	
G.H. MIDDLETON	Hydrographer	Storage applied	JHL FES	
	Hydrographer	Inf. & Outf. comp.	JHL FES	

REMARKS () INDICATES AVERAGE FOR PERIOD
* BANK STORAGE RECOVERED

76D138N-68B Gb 7-55

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 57

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 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	912.57	19931	0.1	0.1	912.50	19860	0	0.1	911.90	19248	0	0.1	911.35	18702	0	0.1	1
2	912.56	19921	0.4	0.1	912.49	19849	0.4	0.1	911.89	19230	0.5	0.1	911.34	18693	0.2	0.1	2
3	912.54	19901	0	0.1	912.46	19818	0	0.1	911.87	19218	0	0.1	911.32	18672	0	0.1	3
4	912.53	19890	0.5	0.1	912.44	19798	0.4	0.1	911.85	19198	0	0.1	911.31	18662	0.3	0.1	4
5	912.52	19880	0.5	0.1	912.42	19777	0	0.1	911.84	19188	0.4	0.1	911.24	18642	0	0.1	5
6	912.51	19870	0.4	0.1	912.41	19767	0.3	0.1	911.82	19168	0	0.1	911.27	18622	0	0.1	6
7	912.49	19849	0	0.1	912.40	19757	0.6	0.1	911.80	19148	0	0.1	911.26	18612	0.4	0.1	7
8	912.48	19839	0	0.1	912.37	19726	0	0.1	911.77	19119	0	0.1	911.25	18602	0.2	0.1	8
9	912.50	19860	1.6	0.1	912.36	19716	0.5	0.1	911.76	19109	0.2	0.1	911.24	18592	0.2	0.1	9
10	912.56	19921	3.3	0.1	912.34	19696	0	0.1	911.75	19099	0.2	0.1	911.22	18572	0	0.1	10
11	912.61	19972	3.1	0.1	912.32	19675	0.1	0.1	911.73	19079	0	0.1	911.21	18563	0.2	0.1	11
12	912.66	20024	3.2	0.1	912.30	19655	0.1	0.1	911.71	19059	0.2	0.1	911.19	18543	0	0.1	12
13	912.71	20075	2.9	0.1	912.28	19634	0	0.1	911.69	19039	0	0.1	911.18	18533	0	0.1	13
14	912.75	20116	2.6	0.1	912.26	19614	0.4	0.1	911.66	19029	0.4	0.1	911.16	18513	0	0.1	14
15	912.75	20116	0.4	0.1	912.24	19593	0.1	0.1	911.66	19009	0	0.1	911.15	18503	0.1	0.1	15
16	912.74	20106	0.5	0.1	912.23	19583	0.6	0.1	911.65	18999	0.5	0.1	911.14	18493	0	0.1	16
17	912.72	20085	0.3	0.1	912.21	19562	0	0.1	911.63	18980	0	0.1	911.13	18483	0.1	0.1	17
18	912.71	20075	0.9	0.1	912.19	19542	0	0.1	911.61	18960	0	0.1	911.12	18473	0.1	0.1	18
19	912.68	20044	0	0.1	912.17	19522	0	0.1	911.59	18940	0	0.1	911.10	18453	0	0.1	19
20	912.67	20034	0.5	0.1	912.15	19501	0	0.1	911.58	18930	0.3	0.1	911.09	18443	0.1	0.1	20
21	912.66	20024	0.4	0.1	912.15	19501	0.9	0.1	911.56	18910	0	0.1	911.08	18433	0.1	0.1	21
22	912.64	20003	0	0.1	912.12	19470	0	0.1	911.53	18880	0	0.1	911.07	18424	0.3	0.1	22
23	912.63	19993	0.5	0.1	912.09	19439	0	0.1	911.51	18860	0	0.1	911.06	18414	0.3	0.1	23
24	912.61	19972	0	0.1	912.07	19419	0	0.1	911.50	18851	0.4	0.1	911.04	18394	0	0.1	24
25	912.60	19962	0.2	0.1	912.05	19398	0	0.1	911.48	18831	0	0.1	911.03	18384	0.2	0.1	25
26	912.59	19952	0.3	0.1	912.03	19378	0	0.1	911.46	18811	0	0.1	911.02	18374	0.2	0.1	26
27	912.58	19942	0.4	0.1	912.01	19357	0	0.1	911.43	18781	0	0.1	911.01	18364	0.2	0.1	27
28	912.55	19911	0	0.1	912.00	19347	0.4	0.1	911.42	18771	0.4	0.1	911.00	18354	0.2	0.1	28
29	912.53	19890	0	0.1	911.97	19317	0	0.1	911.40	18751	0	0.1	910.99	18344	0.3	0.1	29
30	912.52	19880	0.5	0.1	911.95	19297	0.2	0.1	911.38	18731	0	0.1	910.97	18325	0	0.1	30
31					911.93	19277	0.2	0.1	911.37	18721	0.2	0.1					31
TOTAL			23.5	3.0			5.2	3.1			3.7	3.1			7.7	3.0	
Inf. Ac. Ft.			466				103				73				77		50582.8+(283.7*
Outf. Ac. Ft.			60+	(46.8)			61+	(64.5)			61+	(56.8)			60+	(40.9)	53761.0+(836.5)
Maximum Mean Daily Inflow			3.3				0.9				0.5				0.4		216.0
Minimum Mean Daily Inflow			0				0				0				0		0
Storage Change		-62				-603				-656				-396			-3752.9

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	951.30	feet on	11-1-56	Storage	9765.	Acre Feet			
Min. W. S. Elev.	900.35	feet on	4-26-57	Storage	977.	Acre Feet			
Max. Peak Inf.	262.	C.F.S. from	2:00 A.M. on	1-13-57	to	3:00 A.M. on	1-13-57		
Max. Peak Outf.	401.	C.F.S. from	8:03 A.M. on	4-26-57	to	8:20 A.M. on	4-26-57		

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
E.A. POLLARD	Dam Tender	Gage Hts. copied	FES JHL	
G.H. MIDDLETON	Hydrographer	Storage applied	FES JHL	
	Hydrographer	Inf. & Outf. comp.	FES JHL	

REMARKS () INDICATES EVAPORATION LOSSES
* BANK STORAGE RECOVERED

76D138N-68B Gb 7-55

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

On

Drainage Area 2.3 Square Miles. Capacity of Reservoir 221.1 Ac. Ft. at Spillway Elev. 1497.0 Ft. as of November 1952 Survey

Continuous Water Stage Recorder Au

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	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	1475.3	50.4	25.4	0	26
27			0	0			0	0			0	0	1476.8	57.7	7.5	3.8	27
28			0	0			0	0			0	0	1475.2	49.9	[1.2]	4.6	28
29			0	0			0	0			0	0	1473.4	42.1	[0.9]	4.2	29
30			0	0			0	0			0	0	1471.2	33.6	[0.5]	5.2	30
31			0	0							0	0	1469.8	28.8	[0.2]	3.4	31
TOTAL			0	0			0	0			0	0			35.7	21.2	
Inf. Ac. Ft.			0				0				0				70.8	70.8	
Outf. Ac. Ft.				0				0				0			42.0	42.0	
Maximum Mean Daily Inflow															25.4	25.4	
Minimum Mean Daily Inflow															0	0	
Storage Change														+ 28.8		+28.8	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1477.5	feet	on	1/27/56	Storage	61.3	Acre Feet		RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.		feet	on	PART OF YEAR	Storage	0	Acre Feet			Dam Tender	Gage Hts. copied	JHL	HRW
Max. Peak Inf.	128.	C.F.S. from	3:00 P.M.	on	1/26/56	to	4:00 P.M.	on 1/26/56	G.H. MIDDLETON	Hydrographer	Storage applied	JHL	HRW
Max. Peak Outf.	6.2	C.F.S. from	6:00 A.M.	on	1/27/56	to	6:00 P.M.	on 1/27/56		Hydrographer	Inf. & Outf. comp.	JHL	HRW

REMARKS [INDICATES PRORATED DAILY AMOUNTS

76D138N-68B Gb 7-55

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

On

Drainage Area 2.3 Square Miles. Capacity of Reservoir 221.1 Ac. Ft. at Spillway Elev. 1497.0 Ft. as of November 1952 Survey

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	1469.3	27.2	[0.2]	1.0	1453.5	6.9	0.01	0	1459.9	7.4	0	0	1459.6	7.0	0	0	1
2	1468.8	25.7	[0.2]	0.9	1459.5	6.9	0.01	0	1459.9	7.4	0	0	1459.6	7.0	0	0	2
3	1468.3	24.2	[0.2]	0.9	1459.6	7.0	0.01	0	1459.9	7.4	0	0	1459.6	7.0	0	0	3
4	1467.8	22.8	[0.2]	0.9	1459.6	7.0	0.01	0	1459.9	7.4	0	0	1459.6	7.0	0	0	4
5	1467.3	21.5	[0.1]	0.9	1459.6	7.0	0.01	0	1459.8	7.3	0	0	1459.6	7.0	0	0	5
6	1466.7	20.0	[0.1]	0.9	1459.6	7.0	0.01	0	1459.8	7.3	0	0	1459.5	6.9	0	0	6
7	1466.2	18.8	[0.1]	0.8	1459.7	7.2	0.01	0	1459.8	7.3	0	0	1459.5	6.9	0	0	7
8	1465.5	17.2	[0.1]	0.8	1459.7	7.2	0.01	0	1459.8	7.3	0	0	1459.5	6.9	0	0	8
9	1464.9	15.9	[0.1]	0.8	1459.7	7.2	0.01	0	1459.8	7.3	0	0	1459.5	6.9	0	0	9
10	1464.2	14.4	[0.1]	0.8	1459.7	7.2	0.01	0	1459.7	7.2	0	0	1459.5	6.9	0	0	10
11	1463.5	13.0	[0.1]	0.8	1459.7	7.2	0.01	0	1459.7	7.2	0	0	1459.5	6.9	0	0	11
12	1462.7	11.6	[0.1]	0.8	1459.8	7.3	0.01	0	1459.9	7.4	0.1	0	1459.5	6.9	0	0	12
13	1461.9	10.2	[0.1]	0.8	1459.8	7.3	0.01	0	1459.9	7.4	0	0	1459.5	6.9	0	0	13
14	1461.0	8.9	[0.1]	0.8	1459.8	7.3	0.01	0	1459.9	7.4	0	0	1459.4	6.8	0	0	14
15	1460.1	7.7	[0.1]	0.7	1459.8	7.3	0.01	0	1459.9	7.4	0	0	1459.4	6.8	0	0	15
16	1459.0	6.3	[0.1]	0.7	1459.8	7.3	0.01	0	1459.8	7.3	0	0	1459.4	6.8	0	0	16
17	1458.5	5.8	[0.1]	0.4	1459.8	7.3	0.01	0	1459.8	7.3	0	0	1459.4	6.8	0	0	17
18	1458.6	5.9	[0.1]	0	1459.8	7.3	0.01	0	1459.8	7.3	0	0	1459.3	6.7	0	0	18
19	1458.7	6.0	[0.05]	0	1459.8	7.3	0.01	0	1459.8	7.3	0	0	1459.3	6.7	0	0	19
20	1458.8	6.1	[0.05]	0	1459.8	7.3	0.01	0	1459.8	7.3	0	0	1459.3	6.7	0	0	20
21	1458.9	6.2	[0.05]	0	1459.8	7.3	0.01	0	1459.7	7.2	0	0	1459.2	6.6	0	0	21
22	1459.0	6.3	[0.05]	0	1459.8	7.3	0.01	0	1459.7	7.2	0	0	1459.2	6.6	0	0	22
23	1459.1	6.4	[0.05]	0	1459.8	7.3	0.01	0	1459.7	7.2	0	0	1459.2	6.6	0	0	23
24	1459.2	6.6	[0.05]	0	1459.8	7.3	0.01	0	1459.7	7.2	0	0	1459.2	6.6	0	0	24
25	1459.3	6.7	[0.05]	0	1459.8	7.3	0.01	0	1459.7	7.2	0	0	1459.2	6.6	0	0	25
26	1459.4	6.8	[0.05]	0	1459.9	7.4	0.01	0	1459.7	7.2	0	0	1459.1	6.4	0	0	26
27	1459.4	6.8	[0.05]	0	1459.9	7.4	0.01	0	1459.7	7.2	0	0	1459.1	6.4	0	0	27
28	1459.5	6.9	[0.05]	0	1459.9	7.4	0	0	1459.7	7.2	0	0	1459.1	6.4	0	0	28
29	1459.5	6.9	(0.05)	0	1453.9	7.4	0	0	1459.6	7.0	0	0	1459.1	6.4	0	0	29
30					1459.9	7.4	0	0	1459.6	7.0	0	0	1459.1	6.4	0	0	30
31					1459.9	7.4	0	0					1459.0	6.3	0	0	31
TOTAL			2.75	13.7			0.27	0			0.1	0			0	0	
Inf. Ac. Ft.			5.5				0.5				0.2				0	0	
Outf. Ac. Ft.				27.2				0			0 + (0.6)			0 + (0.7)		69.2 + (1.3)	77.0
Maximum Mean Daily Inflow			0.2				0.01				0.1				0	25.4	
Minimum Mean Daily Inflow			0.05				0				0				0	0	
Storage Change	-21.9					+0.5				-0.4				-0.7		+ 6.3	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1477.5	feet	on	1/27/56	Storage	61.3	Acre Feet		RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.		feet	on	PART OF YEAR	Storage	0	Acre Feet			Dam Tender	Gage Hts. copied	JHL	HRW
Max. Peak Inf.	128.	C.F.S. from	3:00 P.M.	on	1/26/56	to	4:00 P.M.	on 1/26/56	G.H. MIDDLETON	Hydrographer	Storage applied	JHL	HRW
Max. Peak Outf.	6.2	C.F.S. from	8:00 A.M.	on	1/27/56	to	6:00 P.M.	on 1/27/56		Hydrographer	Inf. & Outf. comp.	JHL	HRW

REMARKS [INDICATES AVERAGE FOR PERIOD
( ) INDICATES EVAPORATION AND PERCOLATION LOSSES

76D138N-68B Gb 7-55

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 56

Drainage Area 2.3 Square Miles. Capacity of Reservoir 221.1 Ac. Ft. at Spillway Elev. 1497.0 Ft. as of November 1952 Survey

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	1459.0	6.3	0	0	1457.9	5.2	0	0	1456.6	4.0	0	0	1455.4	3.1	0	0	1
2	1459.0	6.3	0	0	1457.9	5.2	0	0	1456.5	3.9	0	0	1455.4	3.1	0	0	2
3	1459.0	6.3	0	0	1457.9	5.2	0	0	1456.5	3.9	0	0	1455.4	3.1	0	0	3
4	1458.9	6.2	0	0	1457.8	5.1	0	0	1456.4	3.8	0	0	1455.4	3.1	0	0	4
5	1458.9	6.2	0	0	1457.8	5.1	0	0	1456.4	3.8	0	0	1455.3	3.0	0	0	5
6	1458.9	6.2	0	0	1457.7	5.0	0	0	1456.3	3.8	0	0	1454.4	2.4	0	0.3	6
7	1458.8	6.1	0	0	1457.6	4.9	0	0	1456.3	3.8	0	0	1452.5	1.5	0	0.5	7
8	1458.8	6.1	0	0	1457.6	4.9	0	0	1456.3	3.8	0	0	1450.0	0.6	0	0.4	8
9	1458.8	6.1	0	0	1457.5	4.8	0	0	1456.2	3.7	0	0	1446.3	0	0	0.3	9
10	1458.7	6.0	0	0	1457.5	4.8	0	0	1456.2	3.7	0	0			0	0	10
11	1458.7	6.0	0	0	1457.4	4.7	0	0	1456.1	3.6	0	0			0	0	11
12	1458.7	6.0	0	0	1457.4	4.7	0	0	1456.1	3.6	0	0			0	0	12
13	1458.6	5.9	0	0	1457.3	4.6	0	0	1456.1	3.6	0	0			0	0	13
14	1458.6	5.9	0	0	1457.3	4.6	0	0	1456.0	3.5	0	0			0	0	14
15	1458.6	5.9	0	0	1457.2	4.5	0	0	1456.0	3.5	0	0			0	0	15
16	1458.5	5.8	0	0	1457.2	4.5	0	0	1456.0	3.5	0	0			0	0	16
17	1458.5	5.8	0	0	1457.2	4.5	0	0	1455.9	3.4	0	0			0	0	17
18	1458.5	5.8	0	0	1457.1	4.4	0	0	1455.9	3.4	0	0			0	0	18
19	1458.4	5.7	0	0	1457.1	4.4	0	0	1455.9	3.4	0	0			0	0	19
20	1458.4	5.7	0	0	1457.0	4.3	0	0	1455.8	3.4	0	0			0	0	20
21	1458.4	5.7	0	0	1457.0	4.3	0	0	1455.8	3.4	0	0			0	0	21
22	1458.3	5.6	0	0	1456.9	4.3	0	0	1455.8	3.4	0	0			0	0	22
23	1458.3	5.6	0	0	1456.9	4.3	0	0	1455.7	3.3	0	0			0	0	23
24	1458.2	5.5	0	0	1456.9	4.3	0	0	1455.7	3.3	0	0			0	0	24
25	1458.2	5.5	0	0	1456.9	4.3	0	0	1455.6	3.2	0	0			0	0	25
26	1458.2	5.5	0	0	1456.8	4.2	0	0	1455.6	3.2	0	0			0	0	26
27	1458.1	5.4	0	0	1456.8	4.2	0	0	1455.6	3.2	0	0			0	0	27
28	1458.1	5.4	0	0	1456.7	4.1	0	0	1455.6	3.2	0	0			0	0	28
29	1458.0	5.3	0	0	1456.7	4.1	0	0	1455.5	3.2	0	0			0	0	29
30	1458.0	5.3	0	0	1456.7	4.1	0	0	1455.5	3.2	0	0			0	0	30
31					1456.6	4.0	0	0							0	0	31
TOTAL			0	0			0	0			0	0			0	1.5	
Inf. Ac. Ft.			0				0				0				0	77.0	
Outf. Ac. Ft.			0 + (1.0)				0 + (1.3)				0 + (0.8)				3.0 + (0.2)	72.2 + (4.5)	
Maximum Mean Daily Inflow			0				0				0					25.4	
Minimum Mean Daily Inflow			0				0				0					0	
Storage Change	-1.0					-1.3				-0.8				-3.2		0	
																0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1477.5	feet	on	1/27/56	Storage	61.3	Acre Feet	RECORDS COLLECTED BY	COMPUTATIONS	ckd. Date
Min. W. S. Elev.		feet	on	PART OF YEAR	Storage	0	Acre Feet	Dam Tender	Gage Hts. copied	JHL HRW
Max. Peak Inf.	128.	C.F.S. from	3:00 P.M.	on	1/26/56	to	4:00 P.M. on	1/26/56	Hydrographer	Storage applied JHL HRW
Max. Peak Outf.	6.2	C.F.S. from	6:00 A.M.	on	1/27/56	to	6:00 P.M. on	1/27/56	G.H. MIDDLETON Hydrographer	Inf. & Outf. comp. JHL HRW

REMARKS (INDICATES AVERAGE FOR PERIOD
() INDICATES EVAPORATION AND PERCOLATION LOSSES

76D138N-68B Gb 7-55

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 57

Drainage Area 2.3 Square Miles. Capacity of Reservoir 221.1 Ac. Ft. at Spillway Elev. 1497.0 Ft. as of November 1952 Survey

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	1446.5	POOL	0	0			0	0			0	0	1
2			0	0	1446.5		0	0			0	0			0	0	2
3			0	0	1446.5		0	0			0	0			0	0	3
4	1446.5	0.1	0.05	0	1446.5		0	0			0	0			0	0	4
5	1446.5	0.1		0	1446.5		0	0			0	0			0	0	5
6	1446.5	0.1		0		DRY	0	0			0	0			0	0	6
7	1446.5	0.1		0			0	0			0	0			0	0	7
8	1446.6	0.1		0			0	0			0	0			0	0	8
9	1446.6	0.1		0			0	0			0	0			0	0	9
10	1446.6	0.1	NEGLIGIBLE	0			0	0			0	0		POOL	NEG.	0	10
11	1446.7	0.1		0			0	0			0	0			0	0	11
12	1446.7	0.1		0			0	0			0	0	1446.7	0.1	0.05	0	12
13	1446.7	0.1		0			0	0			0	0	1446.9	0.1		0	13
14	1446.7	0.1		0			0	0			0	0	1447.0	0.1		0	14
15	1446.7	0.1		0			0	0			0	0	1447.0	0.1		0	15
16	1446.7	0.1		0			0	0			0	0	1447.0	0.1		0	16
17	1446.7	0.1		0			0	0			0	0	1447.0	0.1		0	17
18	1446.7	0.1		0			0	0			0	0	1447.0	0.1		0	18
19	1446.7	0.1	0	0			0	0			0	0	1447.0	0.1		0	19
20	1446.6	0.1	0	0			0	0			0	0	1447.1	0.1	LESS THAN 0.01 CFS	0	20
21	1446.5	0.1	0	0			0	0			0	0	1447.1	0.1		0	21
22	1446.5	0.1	0	0			0	0			0	0	1447.1	0.1		0	22
23	1446.5	0.1	0	0			0	0			0	0	1447.1	0.1		0	23
24	1446.5	0.1	0	0			0	0			0	0	1447.1	0.1		0	24
25	1446.5	0.1	0	0			0	0			0	0	1447.1	0.1		0	25
26	1446.5	POOL	0	0			0	0			0	0	1447.2	0.2		0	26
27	1446.5		0	0			0	0			0	0	1447.3	0.2		0	27
28	1446.5		0	0			0	0			0	0	1447.3	0.2		0	28
29	1446.5		0	0			0	0			0	0	1447.4	0.2		0	29
30	1446.5		0	0			0	0			0	0	1447.4	0.2		0	30
31	1446.5		0	0							0	0	1447.4	0.2		0	31
TOTAL			0.05	0			0	0			0	0			0.10	0	
Inf. Ac. Ft.			0.1				0				0				0.2	0.3	
Outf. Ac. Ft.			0 +	(0.1)				0				0			0	0 + (0.1)	
Maximum Mean Daily Inflow			0.05				0				0				0.05	0.05	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change	0					0								+0.2		+0.2	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1447.9	feet	on	3/18/57	Storage	0.2	Acre Feet	RECORDS COLLECTED BY	COMPUTATIONS	ckd. Date
Min. W. S. Elev.	DRY	feet	on		Storage	0	Acre Feet	Dam Tender	Gage Hts. copied	JHL FES
Max. Peak Inf.	1.1	C.F.S. from	1:00 A.M.	on	1/13/57	to	2:00 A.M. on	1/13/57	Hydrographer	Storage applied JHL FES
Max. Peak Outf.	0.5	C.F.S. from	12:30 P.M.	on	5/29/57	to	1:00 P.M. on	5/29/57	G.H. MIDDLETON Hydrographer	Inf. & Outf. comp. JHL FES

REMARKS () INDICATES EVAPORATION LOSSES

76D138N-68B Gb 7-55

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, 1957

Drainage Area 2.3 Square Miles. Capacity of Reservoir 221.1 Ac. Ft. at Spillway Elev. 1497.0 Ft. as of November, 1952 Survey

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	1447.4	0.2	0	0	1447.7	0.2		0	1447.5	0.2		0	1447.1	0.1		0	1
2	1447.4	0.2	0	0	1447.7	0.2		0	1447.4	0.2		0	1447.1	0.1		0	2
3	1447.5	0.2	0	0	1447.7	0.2		0	1447.4	0.2		0	1447.1	0.1		0	3
4	1447.5	0.2	0	0	1447.7	0.2		0	1447.3	0.2		0	1447.1	0.1		0	4
5	1447.5	0.2	0	0	1447.7	0.2		0	1447.3	0.2		0	1447.1	0.1		0	5
6	1447.5	0.2	0	0	1447.7	0.2		0	1447.3	0.2		0	1447.0	0.1		0	6
7	1447.4	0.2	0	0	1447.7	0.2		0	1447.3	0.2		0	1447.0	0.1		0	7
8	1447.4	0.2	0	0	1447.7	0.2		0	1447.2	0.2		0	1447.0	0.1		0	8
9	1447.4	0.2	0	0	1447.8	0.2		0	1447.2	0.2		0	1447.0	0.1		0	9
10	1447.4	0.2	0	0	1447.8	0.2		0	1447.2	0.2		0	1447.0	0.1		0	10
11	1447.4	0.2	0	0	1447.8	0.2		0	1447.2	0.2		0	1447.0	0.1		0	11
12	1447.4	0.2	0	0	1447.8	0.2		0	1447.2	0.2		0	1447.1	0.1		0	12
13	1447.4	0.2	0	0	1447.8	0.2		0	1447.1	0.1		0	1447.0	0.1		0	13
14	1447.4	0.2	0	0	1447.8	0.2		0	1447.1	0.1		0	1447.0	0.1		0	14
15	1447.4	0.2	0	0	1447.8	0.2		0	1447.1	0.1		0	1447.0	0.1		0	15
16	1447.4	0.2	0	0	1447.8	0.2		0	1447.1	0.1		0	1447.0	0.1		0	16
17	1447.4	0.2	0	0	1447.8	0.2		0	1447.1	0.1		0	1447.0	0.1		0	17
18	1447.4	0.2	0	0	1447.9	0.2		0	1447.1	0.1		0	1447.0	0.1		0	18
19	1447.4	0.2	0	0	1447.9	0.2		0	1447.2	0.2		0	1447.1	0.1		0	19
20	1447.4	0.2	0	0	1447.8	0.2		0	1447.2	0.2		0	1447.1	0.1		0	20
21	1447.4	0.2	0	0	1447.8	0.2		0	1447.3	0.2		0	1447.1	0.1		0	21
22	1447.4	0.2	0.1	0	1447.7	0.2		0	1447.3	0.2		0	1447.1	0.1		0	22
23	1447.5	0.2	0	0	1447.7	0.2		0	1447.3	0.2		0	1447.1	0.1		0	23
24	1447.6	0.2	0	0	1447.7	0.2		0	1447.3	0.2		0	1447.0	0.1		0	24
25	1447.6	0.2	0	0	1447.7	0.2		0	1447.3	0.2		0	1447.0	0.1		0	25
26	1447.6	0.2	0	0	1447.6	0.2		0	1447.3	0.2		0	1447.0	0.1		0	26
27	1447.6	0.2	0	0	1447.6	0.2		0	1447.2	0.2		0	1447.0	0.1		0	27
28	1447.7	0.2	0.1	0	1447.5	0.2		0	1447.2	0.2		0	1447.0	0.1		0	28
29					1447.5	0.2		0	1447.1	0.1		0				0.05	29
30					1447.5	0.2		0	1447.1	0.1		0				0	30
31					1447.5	0.2		0								0	31
TOTAL			0.2	0			0.2	0			0.2	0			0.2	0.05	
Inf. Ac. Ft.			0.4				0.4				0.4				0.4	1.9	
Outf. Ac. Ft.			0 +	(0.4)			0 +	(0.4)			0 +	(0.4)			0.1 +	(0.4) 0.1 + (1.7)	
Maximum Mean Daily Inflow			0.1								+					0.1	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change	0					0				−0.1				−0.1		0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1447.9	feet	on	3/18/57	Storage	0.2	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	DRY	feet	on		Storage	0	Acre Feet		Dam Tender	Gage Hts. copied	JHL	FES
Max. Peak Inf.	1.1	C.F.S. from	1:00 A.M.	on 1/13/57	to	2:00 A.M.	on 1/13/57	G.H. MIDDLETON	Hydrographer	Storage applied	JHL	FES
Max. Peak Outf.	0.5	C.F.S. from	12:30	on 5/29/57	to	1:00 P.M.	on 5/29/57		Hydrographer	Inf. & Outf. comp.	JHL	FES

REMARKS ( ) INDICATES EVAPORATION LOSSES

76D138N-68B Gb 7-55

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, 1957

Drainage Area 2.3 Square Miles. Capacity of Reservoir 221.1 Ac. Ft. at Spillway Elev. 1497.0 Ft. as of November, 1952 Survey

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					31
TOTAL			0	0			0	0			0	0			0	0	
Inf. Ac. Ft.			0				0				0				0	1.9	
Outf. Ac. Ft.				0				0				0			0	0.1 + (1.7)	
Maximum Mean Daily Inflow			0				0				0				0	0.1	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change																0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1447.9	feet	on	3/18/57	Storage	0.2	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	DRY	feet	on		Storage	0	Acre Feet		Dam Tender	Gage Hts. copied		
Max. Peak Inf.	1.1	C.F.S. from	1:00 A.M.	on 1/13/57	to	2:00 A.M.	on 1/13/57	G.H. MIDDLETON	Hydrographer	Storage applied		
Max. Peak Outf.	0.5	C.F.S. from	12:30 P.M.	on 5/29/57	to	1:00 P.M.	on 5/29/57		Hydrographer	Inf. & Outf. comp.		

REMARKS ( ) INDICATES EVAPORATION LOSSES

76D138N-68B Gb 7-55

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, 1956

Continuous Water Stage Recorder Au

Drainage Area 3.51 Square Miles. Capacity of Reservoir 572.0 Ac. Ft. at Spillway Elev. 1634.85 Ft. as of September 1954 Survey 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	1591		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			0	0	24
25			0	0			0	0			0	0			0	0	25
26			0	0			0	0			0	0	1601.6	470	24.9	0	26
27			0	0			0	0			0	0	1602.5	534	4.3	0	27
28			0	0			0	0			0	0	1602.2	513	0.2	0	28
29			0	0			0	0			0	0	1601.9	491	0	0	29
30			0	0			0	0			0	0	1601.6	470	0	0	30
31			0	0							0	0	1601.3	450	0	0	31
TOTAL			0	0			0	0			0	0			29.4	0	
Inf. Ac. Ft.			0				0				0				58.3	58.3	
Outf. Ac. Ft.				0				0				0		0 + (13.3)		0 + (13.3)	
Maximum Mean Daily Inflow															24.9	24.9	
Minimum Mean Daily Inflow															0	0	
Storage Change														+ 450		+ 45.0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1602.7	feet	on 1/27/56	Storage	54.9	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS ckd. Date
Min. W. S. Elev.		feet	on MOST OF YEAR	Storage	0	Acre Feet		Dam Tender	Gage Hts. copied JHL HRW
Max. Peak Inf.	117.4	C.F.S. from	5:20 P.M. on 1/26/56	to	6:20 P.M.	on 1/26/56	G.H. MIDDLETON	Hydrographer	Storage applied JHL HRW
Max. Peak Outf.	0	C.F.S. from	on	to		on		Hydrographer	Inf. & Outf. comp. JHL HRW

REMARKS ( ) INDICATES PERCOLATION AND EVAPORATION LOSSES

76D138N-68B Gb 7-55

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, 1956

Continuous Water Stage Recorder Au

Drainage Area 3.51 Square Miles. Capacity of Reservoir 572.0 Ac. Ft. at Spillway Elev. 1634.85 Ft. as of September 1954 Survey 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	1601.0	429	0	0	1594.9	8.7	0	0	1591.2	0.3	0	0			0	0	1
2	1600.8	416	0	0	1594.7	8.0	0	0	1591.1	0.2	0	0			0	0	2
3	1600.6	403	0	0	1594.6	7.6	0	0	1591.0	0.1	0	0			0	0	3
4	1600.4	389	0	0	1594.4	6.8	0	0	1590.9	0.1	0	0			0	0	4
5	1600.2	376	0	0	1594.3	6.5	0	0	1590.8		0	0			0	0	5
6	1599.9	357	0	0	1594.1	5.7	0	0	1590.7		0	0			0	0	6
7	1599.6	339	0	0	1593.9	5.1	0	0			0	0			0	0	7
8	1599.3	320	0	0	1593.7	4.5	0	0			0	0			0	0	8
9	1599.1	308	0	0	1593.6	4.2	0	0			0	0			0	0	9
10	1598.9	296	0	0	1593.5	4.0	0	0			0	0			0	0	10
11	1598.6	278	0	0	1593.3	3.4	0	0			0	0			0	0	11
12	1598.4	267	0	0	1593.2	3.2	0	0			0	0			0	0	12
13	1598.2	255	0	0	1593.1	2.9	0	0			0	0			0	0	13
14	1597.9	238	0	0	1593.0	2.6	0	0			0	0			0	0	14
15	1597.7	227	0	0	1592.8	2.3	0	0			0	0			0	0	15
16	1597.5	216	0	0	1592.7	2.1	0	0			0	0		NO STORAGE	0	0	16
17	1597.3	205	0	0	1592.6	1.9	0	0			0	0			0	0	17
18	1597.1	194	0	0	1592.5	1.7	0	0			0	0			0	0	18
19	1596.9	184	0	0	1592.5	1.7	0	0			0	0			0	0	19
20	1596.7	173	0	0	1592.4	1.6	0	0			0	0			0	0	20
21	1596.5	163	0	0	1592.3	1.4	0	0			0	0			0	0	21
22	1596.3	153	0	0	1592.2	1.2	0	0			0	0			0	0	22
23	1596.1	142	0	0	1592.1	1.0	0	0			0	0			0	0	23
24	1595.9	132	0	0	1592.0	0.9	0	0			0	0			0	0	24
25	1595.7	123	0	0	1591.9	0.8	0	0			0	0			0	0	25
26	1595.6	119	0	0	1591.8	0.7	0	0			0	0			0	0	26
27	1595.4	109	0	0	1591.7	0.6	0	0			0	0			0	0	27
28	1595.2	100	0	0	1591.6	0.6	0	0			0	0			0	0	28
29	1595.1	96	0	0	1591.5	0.5	0	0			0	0			0	0	29
30					1591.4	0.4	0	0			0	0			0	0	30
31					1591.3	0.3	0	0							0	0	31
TOTAL			0	0			0	0			0	0			0	0	
Inf. Ac. Ft.			0				0				0				0	58.3	
Outf. Ac. Ft.			0	+ (35.4)			0	+ (9.3)			0	+ (0.3)			0	0 + (58.3)	
Maximum Mean Daily Inflow			0				0				0				0	24.9	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change			-35.4				-9.3				-0.3			0		0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1602.7	feet	on 1/27/56	Storage	54.9	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS ckd. Date
Min. W. S. Elev.		feet	on MOST OF YEAR	Storage	0	Acre Feet		Dam Tender	Gage Hts. copied JHL HRW
Max. Peak Inf.	117.4	C.F.S. from	5:20 P.M. on 1/26/56	to	6:20 P.M.	on 1/26/56	G.H. MIDDLETON	Hydrographer	Storage applied JHL HRW
Max. Peak Outf.	0	C.F.S. from	on	to		on		Hydrographer	Inf. & Outf. comp. JHL HRW

REMARKS ( ) INDICATES PERCOLATION AND EVAPORATION LOSSES

76D138N-68B Gb 7-55

Daily Gage Height in feet and Operation Record of THOMPSON CREEK Dam

In Thompson Creek for the Year Ending September 30, 1956

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Drainage Area 3.51 Square Miles. Capacity of Reservoir 572.0 Ac. Ft. at Spillway Elev. 1634.65 Ft. as of September 1954 Survey

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			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			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	58.3	
Outf. Ac. Ft.				0				0				0				0 + (58.3)	
Maximum Mean Daily Inflow																24.9	
Minimum Mean Daily Inflow																0	
Storage Change																0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1602.7	feet	on	1/27/56	Storage	54.9	Acre Feet			
Min. W. S. Elev.		feet	on	MOST OF YEAR	Storage	0	Acre Feet			
Max. Peak Inf.	117.4	C. F. S. from		5:20 P.M.	on	1/26/56	to	6:20 P.M.	on	1/26/56
Max. Peak Outf.	0	C. F. S. from			on		to		on	
REMARKS	( ) INDICATES PERCOLATION AND EVAPORATION LOSS									

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
	Dam Tender	Gage Hts. copied	JHL	HRW
G.L. MIDDLETON	Hydrographer	Storage applied	JHL	HRW
	Hydrographer	Inf. & Outf. comp.		

76D138N-68B Gb 7-55

Daily Gage Height in feet and Operation Record of THOMPSON CREEK Dam

In Thompson Creek for the Year Ending September 30, 1957

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Drainage Area 3.51 Square Miles. Capacity of Reservoir 566.8 Ac. Ft. at Spillway Elev. 1634.1 Ft. as of January 1957 Survey

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	1
2			0	0			0				0	0			0	0	2
3			0	0			0				0	0			0	0	3
4			0	0			0				0	0			0	0	4
5			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	7
8			0	0			0				0	0			0	0	8
9			0	0			0				0	0			0	0	9
10			0	0			0				0	0			0	0	10
11			0	0			0				0	0			0	0	11
12			0	0			0				0	0			0	0	12
13			0	0			0				0	0	1587.6	2.5	1.5	0	13
14			0	0			0				0	0	1587.4	2.3	0	0	14
15			0	0			0				0	0	1587.3	2.2	0	0	15
16			0	0			0				0	0	1587.3	2.2	0	0	16
17			0	0			0				0	0	1587.2	2.0	0	0	17
18			0	0			0				0	0	1587.2	2.0	0	0	18
19		NO STORAGE	0	0		NO STORAGE	0			NO STORAGE	0	0	1587.1	1.9	0	0	19
20			0	0			0				0	0	1587.1	1.9	0	0	20
21			0	0			0				0	0	1587.1	1.9	0	0	21
22			0	0			0				0	0	1587.1	1.9	0	0	22
23			0	0			0				0	0	1587.1	1.9	0	0	23
24			0	0			0				0	0	1587.1	1.9	0	0	24
25			0	0			0				0	0	1587.1	1.9	0	0	25
26			0	0			0				0	0	1587.1	1.9	0.2	0	26
27			0	0			0				0	0	1587.1	1.9	0	0	27
28			0	0			0				0	0	1587.1	1.9	0	0	28
29			0	0			0				0	0	1587.1	1.9	0	0	29
30			0	0			0				0	0	1587.1	1.9	0	0	30
31			0	0							0	0	1587.1	1.9	0	0	31
TOTAL			0	0			0				0	0			1.7	0	
Inf. Ac. Ft.			0				0				0				3.4	3.4	
Outf. Ac. Ft.				0								0		0 +	(1.5)	0 + (1.5)	
Maximum Mean Daily Inflow															1.5	1.5	
Minimum Mean Daily Inflow															0	0	
Storage Change			0				0				0			+ 1.9		+ 1.9	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1587.6	feet	on	1/13/57	Storage	2.5	Acre Feet			
Min. W. S. Elev.	DRY	feet	on		Storage	0	Acre Feet			
Max. Peak Inf.	5.8	C. F. S. from		2:00 A.M.	on	1/13/56	to	4:00 A.M.	on	1/13/57
Max. Peak Outf.	0	C. F. S. from			on		to		on	
REMARKS	( ) INDICATES PERCOLATION LOSSES									

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
	Dam Tender	Gage Hts. copied	JHL	FES
G.H. MIDDLETON	Hydrographer	Storage applied	JHL	FES
	Hydrographer	Inf. & Outf. comp.	JHL	FES

76D138N-68B Gb 7-55

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 57

Continuous Water Stage Recorder Au

Drainage Area 3.51 Square Miles. Capacity of Reservoir 565.8 Ac. Ft. at Spillway Elev. 1634.1 Ft. as of January 19 57 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	1587.0	1.8	0	0	1587.2	2.0	0	0			0	0			0	0	1
2	1587.0	1.8	0	0	1587.1	1.9	0	0			0	0			0	0	2
3	1587.0	1.8	0	0	1587.1	1.9	0	0			0	0			0	0	3
4	1587.0	1.8	0	0	1587.1	1.9	0	0			0	0			0	0	4
5	1587.0	1.8	0	0	1587.1	1.9	0	0			0	0			0	0	5
6	1587.0	1.8	0	0	1587.0	1.8	0	0			0	0			0	0	6
7	1587.0	1.8	0	0		1.8	0	0			0	0			0	0	7
8	1586.8	1.6	0	0		1.7	0	0			0	0			0	0	8
9	1586.8	1.6	0	0		1.6	0	0			0	0			0	0	9
10	1586.6	1.6	0	0		1.5	0	0			0	0			0	0	10
11	1586.7	1.4	0	0		1.4	0	0			0	0			0	0	11
12	1586.7	1.4	0	0		1.3	0	0			0	0			0	0	12
13	1586.7	1.4	0	0		1.2	0	0			0	0			0	0	13
14	1586.6	1.3	0	0		1.0	0	0			0	0			0	0	14
15	1586.6	1.3	0	0		0.9	0	0			0	0			0	0	15
16	1586.6	1.3	0	0		0.8	0	0			0	0			0	0	16
17	1586.6	1.3	0	0	EST.	0.7	0	0	POOL		0	0	POOL		0	0	17
18	1586.6	1.3	0	0		0.6	0	0			0	0			0	0	18
19	1586.6	1.3	0	0		0.5	0	0			0	0			0	0	19
20	1586.6	1.3	0	0		0.4	0	0			0	0			0	0	20
21	1586.6	1.3	0	0		0.3	0	0			0	0			0	0	21
22	1586.6	1.3	0	0		0.2	0	0			0	0			0	0	22
23	1587.1	1.9	0.5	0		0.1	0	0			0	0			0	0	23
24	1587.1	1.9	0	0			0	0			0	0			0	0	24
25	1587.1	1.9	0	0		POOL	0	0			0	0			0	0	25
26	1587.0	1.8	0	0			0	0			0	0			0	0	26
27	1587.0	1.8	0	0			0	0			0	0			0	0	27
28	1587.1	1.9	0	0			0	0			0	0			0	0	28
29							0	0			0	0			0	0	29
30							0	0							0	0	30
31							0	0							0		31
TOTAL			0.5	0			0	0			0	0			0	0	
Inf. Ac. Ft.			1.0				0				0				0	4.4	
Outf. Ac. Ft.			0 +	(0.9)			0 +	(1.9)				0			0	0 + (4.4)	
Maximum Mean Daily Inflow			0.5				0				0				0	1.5	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		+0.1				-1.9				0				0		0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1587.6	feet	on	1/13/57	Storage	2.5	Acre Feet			
Min. W. S. Elev.	DRY	feet	on		Storage	0	Acre Feet			
Max. Peak Inf.	5.8	C.F.S. from	2:00 A.M.	on	1/13/57	to	4:00 A.M.	on	1/13/57	
Max. Peak Outf.	0	C.F.S. from		on		to		on		

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
	Dam Tender	Gage Hts. copied	JHL	FES
G.H. MIDDLETON	Hydrographer	Storage applied	JHL	FES
	Hydrographer	Inf. & Outf. comp.	JHL	FES

REMARKS () INDICATES PERCOLATION LOSSES

76D138N-68B Gb 7-55

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 57

Continuous Water Stage Recorder Au

Drainage Area 3.51 Square Miles. Capacity of Reservoir 565.8 Ac. Ft. at Spillway Elev. 1634.1 Ft. as of January 19 57 Survey 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		NO STORAGE	0	0		NO STORAGE	0	0		NO STORAGE	0	0		NO STORAGE	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	4.4	
Outf. Ac. Ft.				0				0				0			0	0 + (4.4)	
Maximum Mean Daily Inflow																1.5	
Minimum Mean Daily Inflow																0	
Storage Change																0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1587.6	feet	on	1/13/57	Storage	2.5	Acre Feet			
Min. W. S. Elev.	DRY	feet	on		Storage	0	Acre Feet			
Max. Peak Inf.	5.8	C.F.S. from	2:00 A.M.	on	1/13/57	to	4:00 A.M.	on	1/13/57	
Max. Peak Outf.	0	C.F.S. from		on		to		on		

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
	Dam Tender	Gage Hts. copied		
G. H. MIDDLETON	Hydrographer	Storage applied		
	Hydrographer	Inf. & Outf. comp.		

REMARKS () INDICATES PERCOLATION LOSSES

76D138N-68B Gb 7-55

Daily Gage Height in feet and Operation Record of HAMILTON BOWL Dam

In ~~On~~ Long Beach, California for the Year Ending September 30, 1956

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Drainage Area 3.5 Square Miles Capacity of Reservoir 160.4 Ac. Ft. at Spillway Elev. 17± Ft. as of July, 1947 Survey

Continuous Water Stage Recorder HCF

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	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			1.9	1.9			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			11.6	11.6			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			1.7	1.7			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	5.2	0.7	0.7	0.3			0	0			0	0	21
22			0	0			0	0.4			0	0			0	0	22
23			0	0	5		0	0			0	0			0.5	0.5	23
24			0	0			0	0			0	0			0	0	24
25			0	0			0	0			0	0	13.6	9.9.6	71.6	21.4	25
26			0	0			0	0			0	0	20.3	298.7	151.6	51.2	26
27			0	0			0	0			0	0	18.0	1d1.7	0	59.0	27
28			0	0			0	0			0	0	12.0	72.0	0	55.3	28
29			0	0			0	0			0	0	5.8	1.0	0	35.6	29
30			0	0			0	0			0	0	7.6	4.6	2.3	0.5	30
31			0	0							0	0	5.1	0.6	1.3.3	15.3	31
TOTAL			0	0			14.0	14.0			1.9	1.9			239.3	239.0	
Inf. Ac. Ft.			0				27.8				3.8				474.6	506.2	
Outf. Ac. Ft.				0				27.8				3.8			474.0	505.6	
Maximum Mean Daily Inflow							11.6				1.9				151.6	151.6	
Minimum Mean Daily Inflow							0				0				0	0	
Storage Change		0				0				0				+0.6		+0.6	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	20.6	feet	on	1/26/56	Storage	327.	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	3.4	feet	on	MOST OF YEAR	Storage	0	Acre Feet	J.C. VIDMAR	Dam Tender	Gage Hts. copied	JHL HRW
Max. Peak Inf.	348.	C.F.S. from	5:35 A.M.	on 1/26/56	to	7:00 A.M.	on 1/26/56	E.S. BONADIMAN	Hydrographer	Storage applied	JHL HRW
Max. Peak Outf.	58.	C.F.S. from	8:00 P.M.	on 1/26/56	to	10:00 P.M.	on 1/26/56		Hydrographer	Inf. & Outf. comp.	JHL HRW

REMARKS

76D138N-68B Gb 7-55

Daily Gage Height in feet and Operation Record of HAMILTON BOWL Dam

In ~~On~~ Long Beach, California for the Year Ending September 30, 1956

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Drainage Area 3.5 Square Miles Capacity of Reservoir 160.4 Ac. Ft. at Spillway Elev. 17 ± Ft. as of July, 1947 Survey

Continuous Water Stage Recorder HCF

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	0.3			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	4.4	0.4	0.2	0	8
9			0	0			0	0			0	0			1.4	1.6	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	7.4	3.5	24.5	22.7			0	0	12
13			0	0			0	0			9.3	11.1			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			4.5	4.5			0	0			0	0			0	0	23
24			1.8	1.8			0	0			0	0			0	0	24
25			0	0			0	0			0	0			0	0	25
26			0	0			0	0			10.1	10.1			0	0	26
27			0	0			0	0			0.4	0.4			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	30
31							0	0							0	0	31
TOTAL			6.3	6.6			0	0			44.3	44.3			1.6	1.6	
Inf. Ac. Ft.			12.5				0				87.9				3.2	609.8	
Outf. Ac. Ft.				13.1				0				87.9			3.2	609.8	
Maximum Mean Daily Inflow			4.5								24.5				1.4	151.6	
Minimum Mean Daily Inflow			0								0				0	0	
Storage Change		-0.6				0				0				0		0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	20.6	feet	on	1/26/56	Storage	327.	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.		feet	on	MOST OF YEAR	Storage	0	Acre Feet	J.C. VIDMAR	Dam Tender	Gage Hts. copied	JHL HRW
Max. Peak Inf.	348.	C.F.S. from	5:35 A.M.	on 1/26/56	to	7:00 A.M.	on 1/26/56	E.S. BONADIMAN	Hydrographer	Storage applied	JHL HRW
Max. Peak Outf.	58.	C.F.S. from	8:00 P.M.	on 1/26/56	to	10:00 P.M.	on 1/26/56		Hydrographer	Inf. & Outf. comp.	JHL HRW

REMARKS

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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, California for the Year Ending September 30, 1956

Continuous Water Stage Recorder HCF

Drainage Area 3.5 Square Miles. Capacity of Reservoir 160.4 Ac. Ft. at Spillway Elev. 17 ± Ft. as of July, 1947 Survey 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	609.8	
Outf. Ac. Ft.				0				0				0			0	609.8	
Maximum Mean Daily Inflow																151.6	
Minimum Mean Daily Inflow																0	
Storage Change																0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	20.6	feet	on	1/26/56	Storage	327.	Acre Feet				
Min. W. S. Elev.		feet	on	MOST OF YEAR	Storage	0	Acre Feet				
Max. Peak Inf.	348.	C. F. S. from	5:35 A.M.	on	1/26/56	to	7:00 A.M.	on	1/26/56		
Max. Peak Outf.	58.	C. F. S. from	8:00 P.M.	on	1/26/56	to	10:00 P.M.	on	1/26/56		

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
	Dam Tender	Gage Hts. copied	HRW	
J.C. VIDMAR	Hydrographer	Storage applied	HRW	
E.S. BONADIMAN	Hydrographer	Inf. & Outf. comp.	HRW	

REMARKS

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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, California for the Year Ending September 30, 1957

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 Survey 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	1
2															0	0	2
3															0	0	3
4															0	0	4
5															0	0	5
6															1.6	1.6	6
7															0	0	7
8													5.0	0.6	1.5	1.2	8
9															0	0.3	9
10															2.2	2.2	10
11															0	0	11
12													7.3	3.1	4.4	2.8	12
13															14.0	15.6	13
14															0	0	14
15															0	0	15
16															0	0	16
17															0	0	17
18															0	0	18
19															0	0	19
20													5.5	0.9	2.3	1.8	20
21		NO STORAGE				NO STORAGE				NO STORAGE					0	0.5	21
22															0	0	22
23															0.3	0.3	23
24													5.7	1.0	1.7	1.2	24
25															0.7	1.2	25
26															10.4	10.4	26
27															1.5	1.5	27
28													4.2	0.3	0.2	0	28
29													5.6	0.9	2.0	1.7	29
30															0.1	0.6	30
31															0	0	31
TOTAL															42.9	42.9	
Inf. Ac. Ft.															85.1	85.1	
Outf. Ac. Ft.															85.1	85.1	
Maximum Mean Daily Inflow															14.0	14.0	
Minimum Mean Daily Inflow															0	0	
Storage Change														0		0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	7.8	feet	on	2-23-57	Storage	6.2	Acre Feet				
Min. W. S. Elev.	DRY	feet	on	MOST OF YEAR	Storage	0	Acre Feet				
Max. Peak Inf.	64.	C. F. S. from	11:05 P.M.	on	1-12-57	to	11:30 P.M.	on	1-12-57		
Max. Peak Outf.	53.	C. F. S. from	4:00 A.M.	on	1-26-57	to	5:20 A.M.	on	1-26-57		

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
J.C. VIDMAR	Dam Tender	Gage Hts. copied	JHL	FES
E.S. BONADIMAN	Hydrographer	Storage applied	JHL	FES
	Hydrographer	Inf. & Outf. comp.	JHL	FES

REMARKS

76D138N-68B Gb 7-55

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, California for the Year Ending September 30, 1957

Drainage Area 3.5 Square Miles. Capacity of Reservoir 160.4 Ac. Ft. at Spillway Elev. 17± Ft. as of July 1947 Survey

Continuous Water Stage Recorder H.C.F.

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			3.2	3.6			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			1.3	1.3			0	0			0	0	9
10			0	0			0	0			0	0			0	0	10
11			0	0			0	0			0	0	3.7	0.2	1.7	1.6	11
12			0	0			0	0			0	0			0.4	0.5	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			2.1	2.1			0	0			0	0	16
17			0	0			0	0	4.3	0.3	1.6	1.4			0	0	17
18			0	0	5.6	0.9	0.9	0.4			1.8	2.0			0	0	18
19			0	0			0.9	1.4			0	0			1.1	1.1	19
20			0	0			0	0	3.8	0.2	1.0.9	1.0.8			0	0	20
21			0	0			0	0			0.1	0.2			1.4	1.4	21
22			0	0			0	0			0.4	0.4			0	0	22
23			8.2	8.2			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	5.2	0.7	5.4	5.0			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			13.6	13.2			8.4	8.8			14.8	14.8			4.6	4.6	
Inf. Ac. Ft.			27.0				16.7				29.4				9.1	167.3	
Outf. Ac. Ft.				26.2				17.5				29.4			9.1	167.3	
Maximum Mean Daily Inflow			8.2				3.2				1.0.9				1.7	14.0	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		+0.7				-0.7				0				0		0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	7.8	feet	on 2-23-57	Storage	6.2	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	DRY	feet	on MOST OF YEAR	Storage	0	Acre Feet	J.C. VIDMAR	Dam Tender	Gage Hts. copied	JHL FES
Max. Peak Inf.	64.	C.F.S. from	11:05 P.M. on 1-12-57	to	11:30 P.M.	on 1-12-57	E.S. BONADIMAN	Hydrographer	Storage applied	JHL FES
Max. Peak Outf.	53.	C.F.S. from	4:00 A.M. on 1-26-57	to	5:20 A.M.	on 1-26-57		Hydrographer	Inf. & Outf. comp.	JHL FES

REMARKS

76D138N-68B Gb 7-55

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, California for the Year Ending September 30, 1957

Drainage Area 3.5 Square Miles. Capacity of Reservoir 160.4 Ac. Ft. at Spillway Elev. 17± Ft. as of July 1947 Survey

Continuous Water Stage Recorder H.C.F.

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																	1
2																	2
3																	3
4																	4
5																	5
6																	6
7																	7
8																	8
9																	9
10																	10
11																	11
12																	12
13																	13
14																	14
15																	15
16																	16
17																	17
18		NO STORAGE				NO STORAGE				NO STORAGE				NO STORAGE			18
19																	19
20																	20
21																	21
22																	22
23																	23
24																	24
25																	25
26																	26
27																	27
28																	28
29																	29
30																	30
31																	31
TOTAL																	
Inf. Ac. Ft.																167.3	
Outf. Ac. Ft.																167.3	
Maximum Mean Daily Inflow																14.0	
Minimum Mean Daily Inflow																0	
Storage Change																0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	7.8	feet	on 2-23-57	Storage	6.2	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	DRY	feet	on MOST OF YEAR	Storage	0	Acre Feet	J.C. VIDMAR	Dam Tender	Gage Hts. copied	JHL FES
Max. Peak Inf.	64.	C.F.S. from	11:05 P.M. on 1-12-57	to	11:30 P.M.	on 1-12-57	E.S. BONADIMAN	Hydrographer	Storage applied	JHL FES
Max. Peak Outf.	53.	C.F.S. from	4:00 A.M. on 1-26-57	to	5:20 A.M.	on 1-26-57		Hydrographer	Inf. & Outf. comp.	JHL FES

REMARKS

TABLE XIV

YEARLY RESERVOIR OPERATION SUMMARY

1955-56 1956-57

DAM	YEAR	INFLOW ANNUAL A.F.	INFLOW MAX. DAY C.F.S.	INFLOW MIN. DAY C.F.S.	OUTFLOW ANNUAL A.F.	PEAK INFLOW MO.	PEAK INFLOW DAY	PEAK INFLOW PERIOD	PEAK INFLOW C.F.S.	PEAK OUTFLOW MO.	PEAK OUTFLOW DAY	PEAK OUTFLOW PERIOD	PEAK OUTFLOW C.F.S.	STORAGE A.F. MAX.	STORAGE A.F. MIN.	STORAGE A.F. SEP. 30
PACOIMA	1955-56	1466.	90.	0	1252.	1	27	6:00 A.M. TO 7:00 A.M.	179.	5	17	8:00 A.M. TO 8:15 A.M.	88.	1377.	64.	259.
	1956-57	573.	9.8	0	773.	1	13	4:00 A.M. TO 5:00 A.M.	14.	5	7	7:15 A.M. TO 8:50 A.M.	47.	473.	44.	44.
BIG TUJUNGA	1955-56	3026.	233.	0.4	3433.	1	26	6:00 P.M. TO 7:00 P.M.	582.	1	27	1:36 A.M. TO 4:00 P.M.	148.	1376.	18.	20.
	1956-57	1967.	107.	0.1	1660.	1	13	6:00 A.M. TO 8:00 A.M.	283.	5	22	11:10 A.M. TO 11:40 A.M.	22.	1444.	20.	255.
DEVILS GATE	1955-56	2229.	591.	0	1339.	1	26	1:15 P.M. TO 2:00 P.M.	1420.	1	27	8:00 A.M. TO 9:00 A.M.	402.	982.	0	0
	1956-57	926.	111.	0	142.	2	23	5:00 A.M. TO 6:00 A.M.	795.	10	4	8:25 A.M. TO 9:00 A.M.	124.	416.	0	0
EATON WASH	1955-56	330.	123.	0	151.	1	26	3:00 P.M. TO 4:00 P.M.	422.	1	26	TO 1/28	41.	215.	0	0
	1956-57	127.	20.	0	9.2	2	23	6:00 A.M. TO 7:00 A.M.	138.	6	6	2:18 P.M. TO 2:48 P.M.	10.	36.	0	0
SANTA ANITA	1955-56	2219.	175.	0.3	2196.	1	26	3:00 P.M. TO 4:00 P.M.	569.	1	28-29		120.	458.	0	23.
	1956-57	1535.	36.	0.5	1491.	2	23	7:00 A.M. TO 8:00 A.M.	122.	1	13	10:30 A.M. TO 4:30 P.M.	39.	261.	23.	126.
SAWPIT	1955-56	204.	37.	+	210.	1	26	3:00 P.M. TO 4:00 P.M.	148.	1	26	5:00 P.M. TO 8:00 P.M.	95.	78.	29.	33.
	1956-57	80.	0.8	0	65.	2	23	7:30 A.M. TO 8:00 A.M.	8.1	2	23	7:30 A.M. TO 8:15 A.M.	3.3	43.	32.	40.
COGSWELL	1955-56	4070.	419.	0.1	3564.	1	25	4:00 P.M. TO 5:00 P.M.	1040.	4	19	9:00 A.M. TO MID.	14.	2664.	153.	1092.
	1956-57	3421.	225.	0.2	3757.	1	13	4:00 A.M. TO 5:00 A.M.	685.	11	10	2:30 P.M. TO 7:00 P.M.	156.	2014.	42.	548.
SAN GABRIEL	1955-56	35215.	950.	14.	38127.	1	26.	4:00 P.M. TO 5:00 P.M.	2250.	9	19	9:10 A.M. TO 11:00 A.M.	1780.	10166.	558.	558.
	1956-57	37210.	1088.	15.	35069.	1	13	6:00 A.M. TO 7:00 A.M.	2650.	4	12	4:00 P.M. TO 6:18 P.M.	705.	7213.	0	1886.
BIG DALTON	1955-56	190.	14.	+	213.	1	26	4:00 P.M. TO 5:00 P.M.	56.	8	7	8:20 A.M. TO 9:15 A.M.	38.	178.	21.	46.
	1956-57	76.	0.9	+	27.	1	13	0:00 A.M. TO 2:00 A.M.	1.8	11	9	8:05 A.M. TO 8:20 A.M.	18.	82.	21.	80.
SAN DIMAS	1956-57	736.	98.	0.1	767.	1	26	5:00 P.M. TO 6:00 P.M.	382.	1	26	10:15 P.M. TO 11:15 P.M.	54.	467.	53.	64.
	1956-57	452.	12.	0.1	433.	1	13	5:00 A.M. TO 8:00 A.M.	41.	8	29	TO 7/10	5.0	281.	41.	83.
PUDDINGSTONE DIVERSION	1955-56	197.	34.	0	129.	1	26	6:00 P.M. TO 7:00 P.M.	93.	1	27	4:00 P.M. TO 5:30 P.M.	39.	83.	0	0
	1956-57	0	0	0	0				0				0	0	0.	0
PUDDINGSTONE	1955-56	57309.	458.	0	50771.	1	26	1:00 P.M. TO 2:00 P.M.	1360.	12	22	4:05 TO 6:00 P.M.	373.	9800.	1743.	5585.
	1956-57	50583.	216.	0	53781.	1	13	2:00 A.M. TO 3:00 A.M.	262.	4	26	8:03 A.M. TO 8:20 A.M.	401.	9765.	977.	1833.
LIVE OAK	1955-56	77.	25.	0	72.	1	26	3:00 P.M. TO 4:00 P.M.	128.	1	27	6:00 A.M. TO 6:00 P.M.	6.2	61.	0	0
	1956-57	1.9	0.1	0	0.1	1	13	1:00 A.M. TO 2:00 A.M.	1.1	5	29	12:30 P.M. TO 1:00 P.M.	0.5	0.2	0	0
THOMPSON CREEK	1955-56	58.	25.	0	0	1	26	5:20 P.M. TO 6:20 P.M.	117.				0	55.	0	0
	1956-57	4.4	1.5	0	0	1	13	2:00 A.M. TO 4:00 A.M.	5.8				0	2.5	0	0
HAMILTON BOWL	1955-56	610.	152.	0	610.	1	26	5:35 A.M. TO 7:00 A.M.	348.	1	26	8:00 P.M. TO 10:00 P.M.	58.	327	0	0
	1956-57	167.	14.	0	167.	1	12	11:05 P.M. TO 11:30 P.M.	64.	1	26	4:00 A.M. TO 5:20 A.M.	53.	6.2	0	0

GROUND WATER AND CONSERVATION

FOREWORD

General hydrologic conditions throughout Los Angeles County have followed very much the same pattern described in the 1953-55 Biennial Report on Hydrologic Data. Hence, many of the statements here are repetitious. However, it is well 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 Flood Control Act, is to save or conserve in any manner all possible storm runoff and waste waters of the District for beneficial or useful purposes. The large increase in population, the increasing per capita water use, the subnormal rainfall of recent years, and the limited facilities for importing and distributing water, emphasize the importance of this charge.

Twelve years of the current 13-year drought period have averaged less than 75 per cent of the long time normal of rainfall. The summation of this lack of rainfall has incurred a deficit of over three years of normal rainfall, the approximate equivalent of three years water requirement for the entire County.

The effectiveness of natural percolation from rainfall is diminishing due to the increase of impervious area within the County, such as roofs and pavements. Not only has this infiltration area been lost, but the accelerated rate of runoff decreases the time for percolation. The lining of natural channels with impervious material is also limiting the intake area available for percolation.

Constant study and planning is necessary to keep conservation apace with the increasing losses. Although limited available surface storage must be utilized to the best advantage, the tremendous capacity required for adequate flood water conservation 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.

In addition to the increasing storm runoff which is potentially conservable, there is an enormous amount of sewage effluent lost into the ocean. To conserve the latter in underground basins, it must be treated to a standard of quality that will not degrade native waters, and experimental work to accomplish this is being continued by this District.

A detailed account of activities during the 1955-57 period is discussed under the following headings:

Conservation
Spreading Grounds
New Facilities
Storm Drain Conservation Projects
Correlation of Water Conservation with Federal Flood Control Improvements
Water Quality
Water Conservation Zones
West Coast Basin Barrier Project
Coastal Basins Barrier and Replenishment Investigation
Hyperion Test

Seasonal Data and Maps
Ground Water Basins

(a) San Fernando Valley
(b) San Gabriel Valley
(c) Coastal Plain
(d) Santa Clara River Valley
(e) Antelope Valley

Responsibility

CONSERVATION

The District, since its inception, has gradually increased its conservation activities and facilities to comply with provisions of the Flood Control Act. The expediency of scarifying natural channels of major streams to promote percolation has been practiced for many years; also, off-channel spreading grounds have been constructed to percolate additional water. As natural channels have been paved, spreading grounds and diversion works have been constructed when economically feasible, to compensate for the percolation lost due to this paving. Additional grounds are planned to be built as other channels are paved and storm drains are built. Both controlled releases from dams and, when feasible, 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 the consideration of artificial recharge with imported water where available. Such measures were undertaken in the West Coastal Basin in 1952 and in the Central Coastal Basin in 1954, and they have continued under the Conservation Zones legislation amending the Flood Control Act.

Details on the more important conservation measures mentioned above are discussed hereafter.

SPREADING GROUNDS

There are some 3100 gross acres of spreading grounds in the County, of which the District owns and operates 1400 acres, and it cooperates with other agencies in the maintenance and operation of 1370 acres more, leaving 330 acres controlled by others. All combined, 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 stream bed scarification have utilized all available percolation capacity to a maximum.

The tables on pages 435 to 437 give basic spreading grounds data, the amount of water conserved therein and the amount of water conserved by means of reservoir and channel absorption. During the period of this report, 110,050 acre-feet were conserved in off-channel spreading grounds, 6345 acre-feet through recharge wells, and 122,200 acre-feet in reservoirs and natural channels. These quantities include imported water purchased from the Metropolitan Water District under the Conservation Zones legislation. The quantities of imported water are given in detail hereafter under the separate Zones.

NEW FACILITIES

Activities related to important conservation projects of the Comprehensive Plan during the period of this report include:

(a) Completion of construction and commencement of operation of Rio Hondo West Side Streambed Development, Lopez Spreading

Grounds, Eaton Spreading Basin, Santa Fe Reservoir Spreading Grounds, and the new diversion headworks for Sawpit Spreading Grounds and Rio Hondo Spreading Grounds.

(b) Commencement or completion of construction for Eaton Wash Spreading Grounds Pit No. 3 and Spreading Strip, Dominguez Gap Spreading Grounds, and spreading checks in old Pacoima Wash Channel between Woodman Avenue and Arleta Street.

(c) Preliminary planning for Walnut Wash Spreading Basin, San Dimas Wash Spreading Strip, Forbes Spreading Basin and Diversion Pipeline from Santa Fe Channel to Buena Vista Spreading Basin.

(d) Right of way negotiations and/or preparation of plans for Peck Road Spreading Basin, San Dimas-Ben Lomond Spreading Grounds, Big Dalton-Laguna Spreading Basin and Live Oak Spreading Grounds.

(e) Preliminary right of way investigations for San Jose Spreading Grounds.

STORM DRAIN CONSERVATION PROJECTS

The $179,000,000 Storm Drain Bond Issue of 1952 provided for the cement lining, as a flood control measure, of 140 storm drains some of which, in their natural state, contributed to ground water. Investigations, planning and development are continuing for spreading grounds into which the flow from such drains can be diverted to compensate for the lost percolation due to lining of the natural channels. The conservation investigations are based on hydrologic, geologic, physical and economic feasibility. Preliminary investigations are continuing for two potential spreading grounds. Right of way acquisition has been initiated for Laguna Spreading Basin and Lomita Spreading Basin. Construction of Dominguez Gap Spreading Grounds is in progress, and construction has been completed at Buena Vista Spreading Basin, Eaton Spreading Basin and Branford Spreading Basin. The latter is currently being excavated by permittees to ultimate capacity at no cost to the District.

CORRELATION OF WATER CONSERVATION WITH FEDERAL FLOOD CONTROL IMPROVEMENTS

Channel and improvements designed and constructed by the United States Corps of Engineers with Federal funds are for the purpose of flood control. The Federal Act under which funds are expended for flood control improvements prohibits the expenditure of any funds for water conservation purposes. Such costs must be borne by local interests. It has been District policy to review proposed plans with the object of providing necessary conservation measures where they are economically practical as well as to compensate for percolation lost by the lining of channel bottoms.

Engineering studies and/or preliminary designs relative to conservation works have been made or were in progress during the period covered by this report in conjunction with the following Federal projects: Lopez Dam, Los Angeles River, Eaton Wash Channel, Sierra Madre Villa Channel and Debris Basin, Santa Anita Channel and Debris Basin, Sawpit Channel and Debris Basin, Upper Rio Hondo in the vicinity of the confluence of Sawpit and Santa Anita Channels, and the following portions of the Walnut Wash System: Big Dalton Wash, Little Dalton Wash, San Dimas Wash, Live Oak Wash and Walnut Creek Wash. San Antonio Dam, a Federal project, was completed and engineering studies and preliminary designs were continued by this District relative to the diversion of flow from the dam outlet to the San Antonio Spreading Grounds.

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, 2225 complete and 670 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, 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 52 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 1957 show no significant changes within this region despite the fact that over 160,000 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.

Under the Zone Act, a maximum ad-valorem tax of $0.05 per $100 assessed valuation may be levied for the purchase of imported water and/or for the determination of sources of water to replenish overdrawn ground water basins. During fiscal years 1952-53 and 1953-54 (July 1-June 30) Zone I was inoperative as no tax was levied. During the next three years, however, the levy was ordered by the Board of Supervisors on the two zones for the purchase of Colorado River water from the Metropolitan Water District of Southern California to replenish the respective basins.

ZONE I

The imported Colorado River Water was delivered into Live Oak Wash at La Verne to be conveyed via Puddingstone Reservoir, Walnut Wash, and San Gabriel River to Whittier Narrows where, by means of a diversion headworks in the San Gabriel River, it was diverted to the San Gabriel and Rio Hondo Coastal Basin Spreading Grounds.

New structures are under construction at Alhambra Wash and San Gabriel River where the Metropolitan Water District's Middle Feeder Pipeline crosses, to divert water directly into the Rio Hondo and San Gabriel River, thus eliminating the long route through Puddingstone Reservoir and Walnut Wash with its attendant percolation losses in a basin not contributing funds for the purchase of the imported water.

During 1955-56, this District purchased 56,039 acre-feet at $8.00 and $10.00 per acre-foot; during 1956-57, the water purchased amounted to 50,030 acre-feet at $10.00 per acre-foot. The effect of introducing this water in the intake area below Whittier Narrows was to temporarily raise the water table therein eight to ten feet. In the marginal areas, the effect was to decelerate the rapid recession of the water table due to heavy pumping. The relief of overdraft is only partial due to the fact that the maximum zone tax levy will purchase less than half the water needed to meet the average annual ground water depletion.

ZONE II

The ad-valorem tax levied on Zone II has provided funds for the purchase of treated Metropolitan District water at $20.00 and $22.00 per acre-foot to continue operation of the West Coast Basin Barrier Project. During 1955-56, a total of 2,812 acre-feet was purchased and during 1956-57 the purchases amounted to 3,533 acre-feet. The levy also provided funds for a water reclamation test using effluent from the Hyperion Treatment Plant of the City of Los Angeles.

WEST COAST BASIN BARRIER PROJECT

The West Coast Basin Barrier Project continues to be operated to partially 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 begun in 1951 and details of the initial work were described in a previous Hydrologic Report covering water years 1951-52 and 1952-53. The present project was commenced 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. It is expected that the State Department of Water Resources will publish a complete report, including the findings of this test, in the near future.

The project facilities were transferred to this District by the State in 1955 and are now considered to be the nucleus of the proposed 11-mile barrier which will stop sea water intrusion in the West Coast Basin when an adequate, economical supply of water can be developed. In 1955 eight wells were recharging and providing protection from sea water intrusion along approximately 3,800 feet of coast line. During the spring of 1957, an extention of the recharge line was begun with the addition of distribution pipelines and observation and recharge wells to the north and south of the initial barrier to obtain basic data for design purposes. With the first two additional recharge wells in operation (one 500 feet to the south, and one 500 feet to the north) protection was extended to 5,900 feet. This experimental extension will be completed late in 1957 when two more recharge wells on the northerly end of the barrier go into operation. These two additional wells will be 1,000 and 2,000 feet beyond the present most northerly well and are anticipated to increase the barrier's effective length to at least 8,000 feet.

COASTAL BASINS BARRIER AND REPLENISHMENT INVESTIGATION

On January 15, 1957, this District's Board of Supervisors ordered an investigation to determine the facilities required and expected costs for a fresh water barrier to sea water intrusion along most of the vulnerable portions of the Los Angeles County coastline and for introduction of supplemental water into the overdrawn ground water basins of the Coastal Plain. Only preliminary work was done, during the period of this report, on this investigation which will probably include the following main phases:

1. Exploratory well drilling
2. Field recharge tests
3. Engineering and geologic studies and reports

The investigation was ordered to accelerate the collection and compilation of data to provide the engineering basis for the construction, operation and maintenance of such projects as the:

(1) West Coast Basin Barrier Project (completion)
(2) Montebello Forebay Recharge Project
(3) Alamitos Barrier Project
(4) Dominguez Gap Barrier Project

The local water interests in the affected ground water basins are planning to integrate these projects into the program of a proposed Water Replenishment District. Authorization for such a District is contained in Division 18 of the California Water Code, which was enacted by the State Legislature in 1955. Such a District could furnish the Flood Control District with the water required for basin replenishment and barriers to sea water intrusion.

HYPERION TEST

The Hyperion test was initiated in January, 1955, to study the feasibility and practicality of reclaiming water from the Hyperion sewage treatment plant of the City of Los Angeles. Economical reclamation of water would be of prime importance in providing a significantly cheaper supply of water for operation of the successful West Coast Basin Barrier Project at Manhattan Beach and Hermosa Beach, and proposed future extensions of the barrier. A reclamation project could also provide water for various industrial or agricultural uses. A successful polishing treatment for the ''high-rate'' effluent from the Hyperion treatment plant was developed and the resultant liquid was successfully injected into a test recharge well for a six-month period. This polishing treatment requires a large area of sandy soil. Tests were continued in an attempt to find a satisfactory treatment method which would be applicable to ''standard-rate'' effluent and which could be accomplished in the limited land area available in the vicinity of this plant.

SEASONAL DATA AND MAPS

During the biennial period covered by this report, over 42,700 measurements of ground water level elevations were secured from some 2600 wells as follows:

Description	Number of Wells Measured	Number of Measurements Made
Key: Measured by District monthly or oftener for current data	110	2,340
For Special Studies, measured by District	235	7,050
For semi-annual ground water maps, measured by District	970	3,660
For semi-annual ground water maps, obtained from outside sources	1,285	29,660
Totals	2,600	42,710
In addition to above, at West Coast Basin Barrier Project	100	7,500

Hydrographs for several of the key wells are included in this report on pages 441 to 454.

The subnormal rainfall and increased pumping extractions continued 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 and /or pressure surfaces between the series of important shallow and deep aquifers have become marked. Formerly, differentials were not appreciable, as both the shallow and deep aquifers had been adequately recharged by rainfall during the previous wet period. 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 Basin. (Maps XIV to XIX)

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 XXII and XXIII)

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 analyses of prior and current data substantiate the findings reported in the 1941-42 and 1951-53 Reports.

Ground water basins, in general, are bed rock depressions, filled with alluvium, and separated one from another by natural barriers or dykes. These barriers are bed rock 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. V.

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 southerly portion of this area water levels have not declined appreciably. In the northerly part,

recharge has been insignificant due to the subnormal rainfall and wells have shown some decline. In the easterly half of the valley, which is subjected to heavier draft, and in the sub-basins with limited recharge, the trend of water levels has continued sharply downward.

Ground water contour maps for the San Fernando Valley are shown on pages 455 to 458.

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 discharge to 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 Coastal Plain in the form of underflow and effluent seepage, the latter being locally referred to as rising water. During 1956-57 rising water flow reached the lowest rate ever recorded, namely, 2 cfs (Graph on page 360). The water levels in the Main Basin have generally reached the lowest elevations recorded, having declined nearly ten feet during the past two years. Water levels have continued to decline in most sub-basins with the exception of the Upper Canyon, Foothill and San Dimas Basins. Spreading in the San Gabriel Canyon sub-basins and Main Basin washes by the San Gabriel River Water Committee has no doubt prevented more serious decline of ground water elevations.

A considerable portion of the area overlying the Main Basin depends entirely upon wells to supply a large local demand. Although Main Basin storage has declined during recent years, elevations were still high enough to discharge 9,260 acre-feet of rising water through the Whittier Narrows during 1956-57. Much of the waste water once returned to this basin and the Coastal Plain is now wasted to the ocean through sewer ourfalls; 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 459 to 462.

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 free and replenishment is largely by percolation from the surface flow that traverses it and from spreading grounds. In the Pressure Area, the aquifers are confined beneath thick clay strata and the main 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.

The Los Angeles River, also a contributor to the Intake Area of the Coastal Plain, has been imperviously lined in the Coastal Plain except for one reach in the vicinity of Atlantic Boulevard.

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 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 contour maps for the Coastal Plain are shown on pages 463 to 468.

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.

The ground water storage is not an effective buffer against continued overdraft, but natural recharge is rapid during all except extremely dry years. 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 cumulative effluent seepage during the spring months reaches a maximum at approximately the Ventura County line. During the period of this report high non-storm flows were in the order of 16-18 cfs; water-use reducing this to less than 1 cfs during the summer.

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 469 to 470.

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 contours are shown on pages 471.

RESPONSIBILITY

For the period presented in this report, field and office work was under the direction of Finley B. Laverty, Division Engineer, Hydraulic Division.

Mr. H. A. van der Goot, Head of the Conservation and Ground Water Section, met an untimely death on June 21, 1957, from injuries received in an automobile accident while

in District service. The work of the Section was under his immediate supervision, assisted by the Unit Heads, E. J. Koch, Jr., E. J. Zielbauer, A. E. Bruington, G. E. Carlat and staff. Mr. Koch has served as Acting Section Head since Mr. van der Goot's death.

TABLE XV

RESERVOIR AND CHANNEL ABSORPTION

EXCLUSIVE OF SPREADING GROUNDS ABSORPTION

STREAM	REACH OF STREAM WHERE ABSORPTION OCCURRED	TOTAL RELEASE TO REACH A.F.	ABSORPTION CHANNELS, RESERVOIRS AND DIVERSIONS A.F.	EXCESS OF RELEASE OVER ABSORPTION A.F.	YEAR
PACOIMA	DAM TO LINED CHANNEL	1,250.	1,250. 3/	0	1955-56
"	" " " "	775.	747. 2/ 1/	28.	1956-57
TUJUNGA	MOUTH OF CANYON TO HANSON DAM	5,090.	4,830. 3/ 1/	260.	1955-56
"	" " " " " "	2,320.	2,630. 2/ 1/	0	1956-57
DEVILS GATE	RESERVOIR ONLY		890. 1/		1955-56
" "	" "		783. 1/		1956-57
EATON	DAM TO LINED CHANNEL	151.	180. 1/	150.	1955-56
"	" " " "	59.	177. 1/	0	1956-57
SANTA ANITA	DAM TO ARROW HIGHWAY	2,720.	1,440. 3/	1,280.	1955-56
" "	" " " "	1,708.	1,400. 3/	308.	1956-57
SAN GABRIEL	MOUTH OF CANYON TO FOOTHILL BOULEVARD (CANYON BASIN)	2,860.	1,430.	1,430.	1955-56
" "	" " " " " " " "	11,610.	3,180.	8,430.	1956-57
SAN GABRIEL	FOOTHILL BOULEVARD TO SANTA FE DAM (MAIN BASIN)	1,560.	1,560. 1/	0	1955-56
" "	" " " " " " " "	5,320.	1,920. 1/	3,400.	1956-57
SAN GABRIEL	SANTA FE DAM TO RISING WATER (MAIN BASIN)	37,910.	6,000.	31,910.	1955-56
" "	" " " " " " " "	40,530.	2,010.	38,520.	1956-57
SAN GABRIEL	BELOW STANDEFER DITCH TO FLORENCE AVENUE (COASTAL PLAIN)	33,430. 2/	16,210. 3/	17,220.	1955-56
" "	" " " " " " " "	27,210. 2/	25,390. 3/	1,820.	1956-57
SAN GABRIEL	FLORENCE AVENUE TO SPRING STREET (COASTAL PLAIN)	10,360.	970.	9,390.	1955-56
" "	" " " " " " " "	1,390.	494.	896.	1956-57
RIO HONDO	SANTA FE DAM TO LOWER AZUSA ROAD (MAIN BASIN)	0	0	0	1955-56
" "	" " " " " " " "	3,400.	440.	2,960.	1956-57
RIO HONDO	MISSION BRIDGE TO LINED CHANNEL (COASTAL PLAIN)	20,550. 2/	12,010.	8,540.	1955-56
" "	" " " " " " " "	27,830. 2/	8,760.	19,070.	1956-57
BIG DALTON	SPREADING AREA TO ALOSTA AVENUE	56.0	56.0	0	1955-56
" "	" " " " "	0	0	0	1956-57
SAN DIMAS	DAM TO PUDDINGSTONE DIVERSION DAM AND PUDDINGSTONE DIVERSION DAM TO GLENDORA AVENUE	767.	731. 1/ 3/	36.	1955-56
" "	" " " " " " " "	433.	433. 1/ 3/	0	1956-57
LIVE OAK	DAM TO FOOTHILL BOULEVARD	72.2	74.8 1/	0	1955-56
" "	" " " "	0.1	1.8 1/	0	1956-57
WALNUT	PUDDINGSTONE DAM TO SAN GABRIEL RIVER	50,800.	12,890.	37,910.	1955-56
"	" " " " " "	53,780.	13,250.	40,530.	1956-57
THOMPSON	DAM TO FOOTHILL BOULEVARD	0	58.3 1/	0	1955-56
"	" " " "	0	4.4 1/	0	1956-57
	TOTAL		60,580.		1955-56
	"		61,620.		1956-57

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

TABLE XVI

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION
SUMMARY OF DATA ON SPREADING GROUNDS
OWNED AND OPERATED BY THE DISTRICT
SEPTEMBER 1957

GROUNDS	TYPE	SEASON FIRST USED	AREA IN ACRES		CAPACITIES				LOCATION	SOURCE OF WATER	REMARKS
			GROSS	WETTED	CHANNEL* C.F.S.	INTAKE C.F.S.	STORAGE A.F.	PERC. C.F.S.			
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 BASIN.	THE FLOW IS DIVERTED FROM LOPEZ BASIN VIA CANAL TO THE SPREADING GROUNDS. GROSS AREA INCLUDES 1.3 ACRES IN EASEMENT, EDISON COMPANY AND 3.26 ACRES STREETS, BUT EXCLUDES CANAL AREA NORTHWESTERLY SIDE OF CHANNEL. STORAGE CAPACITY TO BE INCREASED BY PERMITTEE EXCAVATION.
PACOIMA	SHALLOW BASINS	1932-33	179	122	17,000	400	330	165	BOTH SIDES OF OLD PACOIMA WASH CHANNEL FROM ARLETA STREET SOUTHWESTERLY TO WOODMAN AVENUE.	CONTROLLED FLOW FROM PACOIMA DAM. PARTIALLY CONTROLLED FLOW FROM LOPEZ BASIN, UNCONTROLLED FLOW BETWEEN LOPEZ BASIN AND SPREADING GROUNDS.	DIVERSION FROM PACOIMA DIVERSION CHANNEL PLACED IN USE APRIL 1954. GROSS AREA EXCLUDES NEW CHANNEL, BUT INCLUDES OLD CHANNEL FROM WOODMAN AVENUE TO SHARP AVENUE, YARD AREA TO PAXTON STREET AND AREA FOR ACCESS TO DIVERSION HEADWORKS. NEW BASINS BUILT IN OLD PACOIMA CHANNEL BETWEEN OLD HEADWORKS AND WOODMAN AVENUE AND STORAGE CAPACITY OF B1 AND B23 INCREASED DURING 1956.
HANSEN	SHALLOW BASINS	1944-45	157	110	22,000	450	230	220	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 LAND NORTHWESTERLY OF LINE 50 FT.± FROM AND PARALLEL TO NORTHWESTERLY CHANNEL WALL. EXCAVATION OF B-O INCREASED WETTED AREA AND STORAGE.
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.	PIT UNDER DEVELOPMENT, THEREFORE STORAGE AND PERCOLATING CAPACITY NOT FIRM, OUTLET CAPACITY = 1540 CFS.
ARROYO SECO	SHALLOW BASINS	1948-49	24	13	-	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 ACRES SPREADING GROUNDS EASEMENT AND APPROXIMATELY 14 ACRES OF DEVILS GATE RESERVOIR EASEMENT. SPILLWAY CAPACITY = 400 CFS.
EATON SPREADING GROUNDS	DEEP BASINS	1947-48	29	-	-	140	-	10	EASTERLY SIDE OF EATON WASH BELOW EATON DAM.	CONTROLLED FLOW FROM EATON WASH DAM.	GROSS AREA INCLUDES PART OF CHANNEL R/W UTILIZED FOR SPREADING GROUNDS AND EASEMENT FOR CANAL TO BASIN 3 FROM EDISON CO. NET AREA OF BASIN NO. 1 = 2.4 ACRES, BASIN NO. 2 = 5.0 ACRES AND CANALS = 2.0 ACRES. BASIN NO. 3 BEING DEVELOPED. SPILLWAY CAP. = 300 CFS.
SANTA ANITA	SHALLOW BASINS	1944-45	16	8.5	-	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.	DURING 1944-45 AND 1946-47, EXPERIMENTAL TEST BASINS ONLY (0.96 A.) ON LAND LATER ACQUIRED IN FEE. GROSS AREA EXCLUDES PIPELINE AND SPREADING HEADWORKS R/W.
SAWPIT	SHALLOW BASINS	1946-47	10	3.8	-	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 0.89 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	30	11	-	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	18	-	9,600	450	-	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.	PIT UNDER DEVELOPMENT; THEREFORE, STORAGE AND PERCOLATING CAPACITY NOT FIRM. FIRST USED FEBRUARY 1957. OUTLET CAPACITY = 450 CFS. PART OF AREA TO BE SOLD TO EDISON CO. EASEMENT FOR ACCESS AND ENCROACHING SLOPE BEING ACQUIRED FROM EDISON CO.
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.	NO OUTFLOW EXPECTED FOR CAPITAL STORM, BUT A SMALL OUTLET STRUCTURE OF 150 CFS PROVIDED.
SANTA FE	SHALLOW BASINS	1953-54	193	110	-	500	200	250	WITHIN SANTA FE DAM RESERVOIR AREA, NORTH OF SPILLWAY.	CONTROLLED FLOWS FROM SAN GABRIEL CANYON AND UNCONTROLLED FLOWS FROM BRADBURY CHANNEL.	DURING 1953-54 EXPERIMENTAL TEST BASINS ONLY. 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.
SAN GABRIEL COASTAL	SHALLOW BASINS	1938-39	127	96	-	200	400	65	WESTERLY SIDE OF SAN GABRIEL RIVER, SOUTHERLY FROM WHITTIER 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.	80.8 ACRES HELD UNDER PERPETUAL EASEMENT 46.4 ACRES OWNED IN FEE, ALL AREA BEING ACQUIRED IN FEE. SPILLWAY CAPACITY = 400 CFS. SOME CONTROL BY WHITTIER NARROWS DAM IN FUTURE.
RIO HONDO COASTAL (EASTSIDE)	SHALLOW BASINS	1937-38	417	370	40,000	750	1,600	400	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 AND EATON DAM. UNCONTROLLED FLOWS FROM RUBIO WASH, ALHAMBRA WASH AND RIO HONDO BETWEEN THE DAMS AND SPREADING GROUNDS.	WHITTIER NARROWS DAM COMPLETED AND CHANNEL LINED IN '55-56. NEW CHANNEL DIVERSION HEADWORKS AT SPREADING GROUNDS FIRST USED IN NOVEMBER, 1955. SOME CONTROL BY WHITTIER NARROWS DAM IN FUTURE. GROUNDS NOT FULLY TESTED TO-DATE.
RIO HONDO STREAMBED DEVELOPMENT (WEST SIDE)	SHALLOW BASINS	1955-56	160	89	40,000	150	275	100	WEST SIDE OF RIO HONDO CHANNEL FROM ABOVE WHITTIER BOULEVARD SOUTH TO FOSTER BRIDGE BOULEVARD.	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, IN THE NOW PAVED CHANNEL. GROUNDS NOT FULLY TESTED TO-DATE.
TOTALS			1,400	-	-	-	-	1,370			

* DESIGN CAPACITY OF MAIN CONCRETE CHANNEL WHEN PERTINENT TO SPREADING GROUNDS OPERATIONS.

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	SAN GABRIEL COASTAL			RIO HONDO COASTAL (EAST SIDE)			RIO HONDO STREAMBED DEV. (WEST SIDE)			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				337		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	69	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	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	7,691	0	2,586	2,586	18,856	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
TOTALS	28	50,927	37,711	38	2,962	1,629	1,557	907	7,073	260	1,054	3,500	17,574	12,820	30,394	52,968	21,494	74,482	323	9,333	9,656	222,178	

* THIS WAS INCLUDED UNDER RESERVOIR AND CHANNEL ABSORPTION IN THE 1953-55 BIENNIAL REPORT

TABLE XVII

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION
SUMMARY OF DATA ON SPREADING GROUNDS
NOT OWNED BY THE DISTRICT
SEPTEMBER 1957

GROUNDS	TYPE	SEASON FIRST USED	AREA IN ACRES		CAPACITIES				LOCATION	SOURCE OF WATER	REMARKS
			GROSS	WETTED	CHANNEL* C.F.S.	INTAKE C.F.S.	STORAGE A.F.	PERC. C.F.S.			
GROUNDS IN WHICH DISTRICT DOES CONSTRUCTION, MAINTENANCE AND SOME OPERATIONS:											
SIERRA MADRE	SHALLOW BASINS	ABOUT 1933	17	7	-	25	35	17	CITY OF SIERRA MADRE, SOUTH SIDE OF GRANDVIEW AVE., 1/2 MI. W. OF SANTA ANITA AVE.	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. STORAGE CAPACITY PREVIOUSLY PUBLISHED (37 A.F.) TOO HIGH.
SAN GABRIEL SPRDG. CORP. EAST SIDE	DITCHES AND CHECKS	ABOUT 1917	500	-	-	-	-	100	EASTERLY SIDE OF SAN GABRIEL RIVER, BELOW MOUTH OF CANYON, NORTH 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 CR. SPREADING GROUNDS)	SHALLOW BASINS	ABOUT 1917	6±	3.6	-	-	-	7	WESTERLY SIDE OF SAN GABRIEL RIVER BELOW MOUTH OF FISH CANYON.	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 SPRDG. 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	16.4	-	-	20	-	10	LITTLE DALTON WASH, INTAKE 1/2 MI. ABOVE SIERRA MADRE AVE. WESTERLY OF GLENDORA MOUNTAIN ROAD.	LITTLE DALTON CREEK, UNCONTROLLED FLOW.	HELD UNDER EASEMENT BY THE DISTRICT. OPERATED BY GLENDORA IRRIGATING CO. INTAKE CAPACITY GIVEN IS FOR FREEFALL WEIR.
THOMPSON CREEK	DITCHES CHECKS AND DEEP BASIN	ABOUT 1928	56.4	-	-	70	-	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 ASSN. 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	771	-	8,000	500	-	300	BOTH SIDES OF SAN ANTONIO CREEK, FROM 2-1/2 MI. ABOVE BASE LINE SOUTHWESTERLY TO BASE LINE.	SAN ANTONIO CREEK, UNCONTROLLED FLOW. (SAN ANTONIO FLOOD CONTROL DAM, NEARING COMPLETION, WILL PROVIDE PARTIAL CONTROL)	HELD UNDER EASEMENT BY THE DISTRICT. OPERATED BY POMONA VALLEY PROTECTIVE ASSOCIATION. WEST SIDE 452A., EAST SIDE 232 A., CHANNEL 87 A. IN ADDITION TO THE 771 A.THERE ARE APPROXIMATELY 60 A. NOT DEVELOPED. SOME STORAGE CAPACITY IN EAST SIDE BASINS. WATER SPREAD IN VICINITY ON AND OFF AS EARLY AS ABOUT 1896. SAN ANTONIO CHANNEL UNDER CONSTRUCTION.
TOTALS			1367	-	-	-	-	474			
GROUNDS CONTROLLED BY OTHERS, THE DISTRICT COOPERATING:											
ANTELOPE VALLEY SOIL CONSERVATION DISTRICT	SHALLOW BASINS	1945-46	80±	45±	-	-	75	45	ANTELOPE VALLEY, BELOW MOUTH OF KINGS CANYON, AT 120TH STREET WEST, 3/4 MI. SOUTH OF HIGHWAY 138.	LOS ANGELES CITY'S OWENS VALLEY AQUEDUCT.	INITIATED BY U.S. SOIL CONSERVATION SERVICE. OPERATED ONLY WHEN EXCESS AQUEDUCT WATER WOULD OTHERWISE BE WASTED. GROUNDS OUTSIDE OF FLOOD CONTROL DISTRICT.
CITY OF POMONA	DITCHES AND CHECKS	(SEE REMARKS)	20±	-	-	-	-	-	NORTH OF CLAREMONT, 1/2 MI. NORTH OF FOOTHILL BOULEVARD AND 1/8 MI. 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. GROUNDS ACQUIRED BY CITY OF POMONA OCT. 1926. NO RECORD OF WATER SPREAD PRIOR TO 1949-50. DEEP BASIN BEING EXCAVATED.
L.A. WATER DEPARTMENT TUJUNGA WASH	SHALLOW BASINS	1931-32	180±	25±	-	-	-	-	SAN FERNANDO VALLEY, EAST SIDE OF TUJUNGA WASH AT ROSCOE BOULEVARD.	L.A. CITY'S OWENS VALLEY AQUEDUCT.	PRIOR TO 1938 FLOOD, USED 80 A. NET. TUJUNGA CHANNEL ON WESTERLY SIDE OF GROUNDS PAVED IN 1950. DIVERSION OF TUJUNGA FLOWS TO GROUNDS PROPOSED.
L.A. RIVER	SHALLOW BASINS	1938-39	50±	39.9	57,000	-	-	-	SAN FERNANDO VALLEY, SOUTH OF L.A. RIVER, ABOVE MARIPOSA STREET.	L.A. RIVER, PARTIALLY CONTROLLED BY VARIOUS DAMS. RELEASES OF OWENS VALLEY WATER FROM CHATSWORTH RESERVOIR.	CRYSTAL SPRINGS INFILTRATION AREA, NOT REGULAR SPREADING GROUNDS. WATER PUMPED OUT FROM COLLECTING GALLERIES UNDER AREA.
TOTALS			330	-	-	-	-	-			

* DESIGN CAPACITY OF MAIN CONCRETE CHANNEL WHEN PERTINENT TO SPREADING GROUNDS OPERATION.

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)	A.V.S.C.D. KINGS CANYON	CITY OF POMONA	L.A. WATER DEPT.			
	STA. 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)	5,722		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	750	(C)	0	21,141	61,336	46
47		(C)	23,716	8,936	89	0	5,801	6,500	(C)	1,686	18,738	65,466	47
48		(C)	4,796	2,218	0	0	6	0	(C)	0	19,016	26,036	48
49		(C)	2,874	1,343	0	0	0	0	(C)	0	6,451	10,668	49
50		(C)	9,125	2,590	28	0	55	0	450±	762	7,691	20,701	50
51		(C)	1,378	622	0	0	3	0	0	2,355	4,917	9,275	51
52	1,547	384	27,847	8,361	563	163	10,467	0	952	7,259	1,524	59,077	52
53	257	5	15,765	5,705	9	0	1,011	0	357	0	7,424	30,533	53
54	470	113	18,021	4,980	161	0	3,150	0	916	0	6,648	34,439	54
55	288	50	20,328	6,098	0	0	0	0	838	0	10,867	38,467	55
56	349	80	19,135	8,408	30	0	927	0	660	0	6,563	36,150	56
57	294	36	16,225	6,199	11	0	0	0	1,341	0	4,784	28,890	57
TOTALS	3,205	668	675,536	238,980	4,707	1,291	181,068	7,250	5,514	183,975	133,282	1,415,476	

(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.

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

GROUND WATER BASINS

1 MONK 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 ANARGOSA
30 ROCK CREEK
31 BUTTES
32 LANCASTER
33 NEENACH
34 LA HABRA
35 GLENOAKS

SPREADING GROUNDS DISTRICT OWNED & OPERATED

(L) LOPEZ
(P) PACOIMA
(H) HANSEN
(A) BRANFORD SPREADING BASIN
(S) ARROYO SECO
(E) EATON WASH
(T) SANTA ANITA
(W) SAWPIT
(B) BIG DALTON CANYON
(O) EATON SPREADING BASIN
(V) BUENA VISTA SPREADING BASIN
(F) SANTA FE RESERVOIR
(G) SAN GABRIEL COASTAL BASIN
(M) RIO HONDO COASTAL BASIN
(R) RIO HONDO COASTAL BASIN STREAMBED DEVELOPMENT
(18) 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
C-WASH CHANNELS FED BY COVINA AND AZUSA CANALS
LITTLE DALTON
THOMPSON CREEK
SAN ANTONIO
L.A.CITY, TUJUNGA
L.A.CITY CRYSTAL SPRING INFILTRATION AREA
CITY OF POMONA
KINGS CANYON

PERCOLATING AREAS RESERVOIRS

(A) LOPEZ
(H) HANSEN
(V) DEVILS GATE
(O) EATON
(B) SAWPIT DEBRIS BASIN
(F) PUDDINGSTONE DIVERSION
(C) SANTA FE
(T) THOMPSON CREEK
(U) SAN ANTONIO
(W) WHITTIER NARROWS

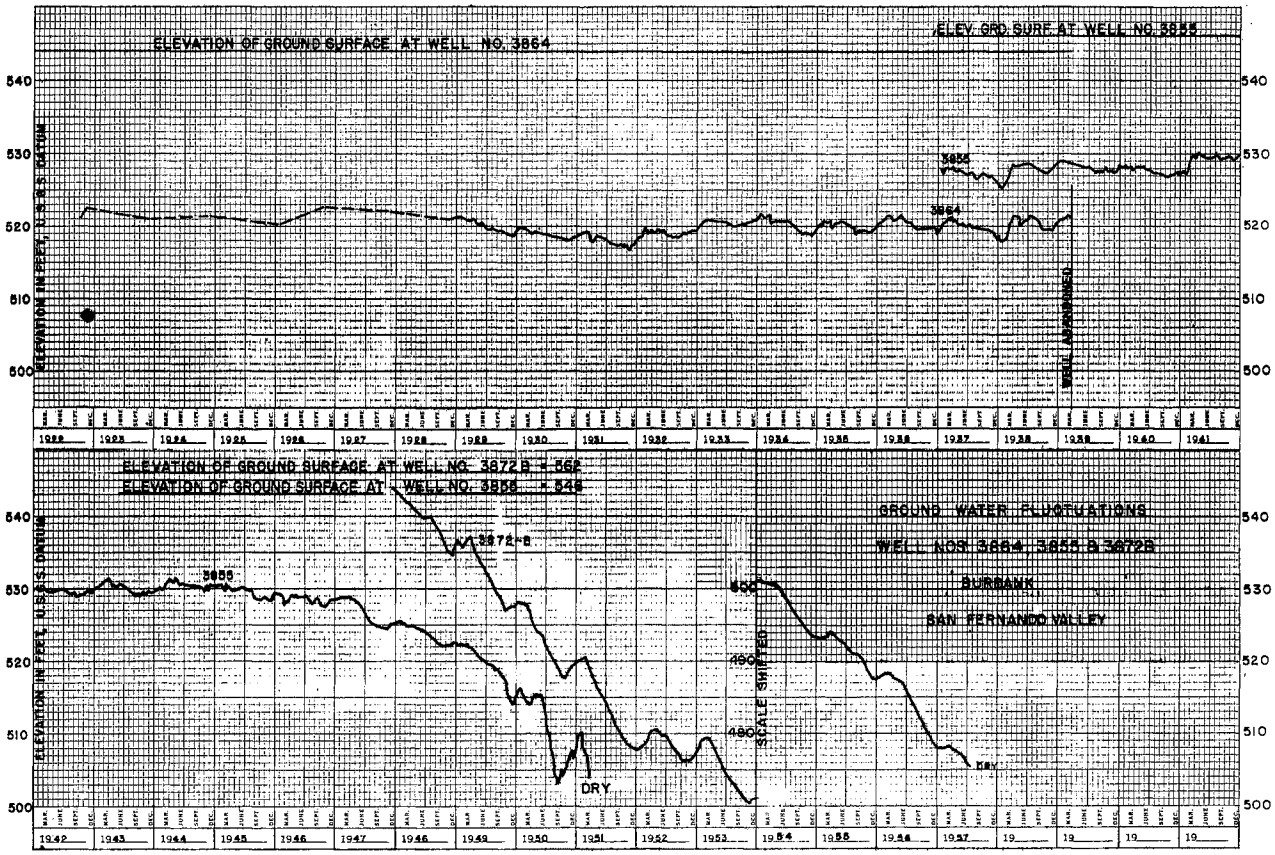
STREAM BEDS

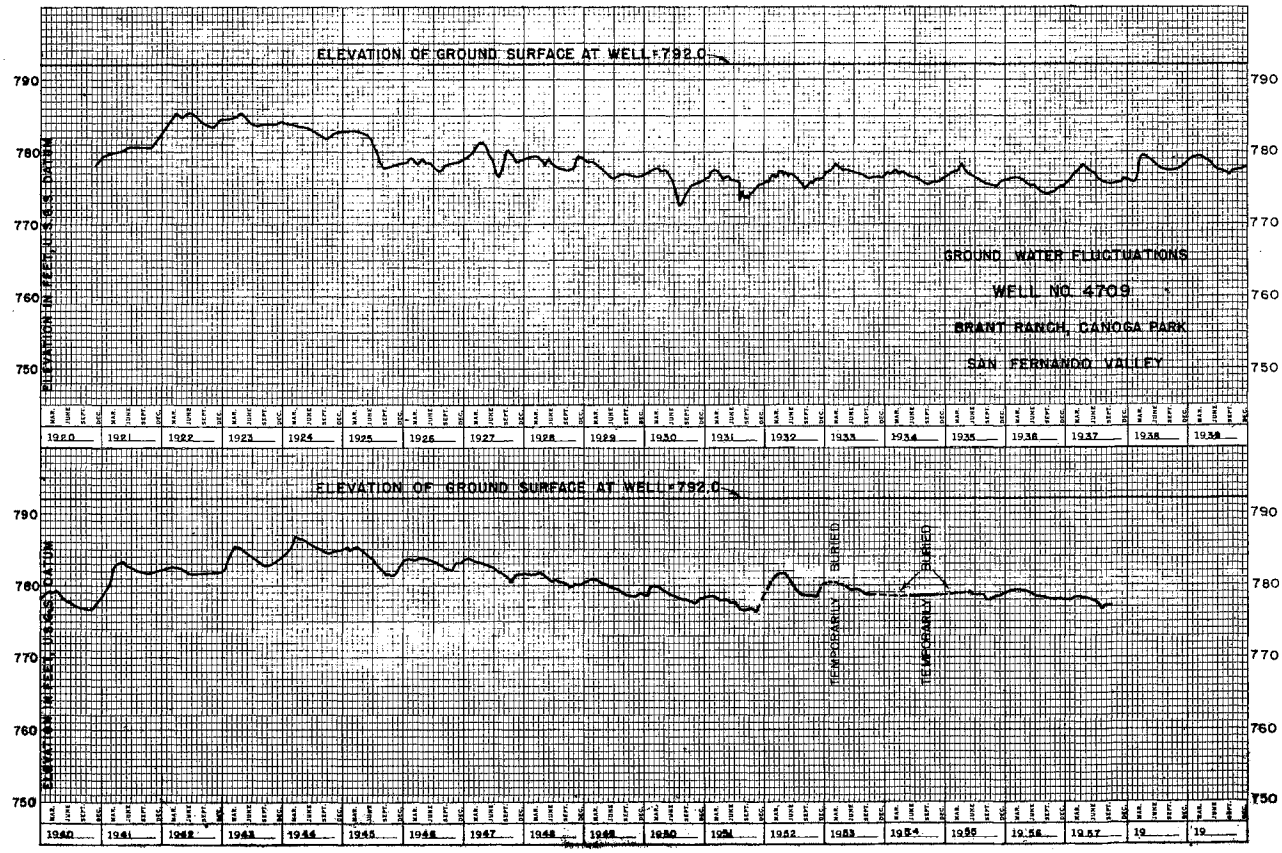
(18) PACOIMA WASH (WOODMAN AVE. TO PARTHENIA ST.)
(S) SAN GABRIEL (WHITTIER BLVD. TO FLORENCE AVE.)

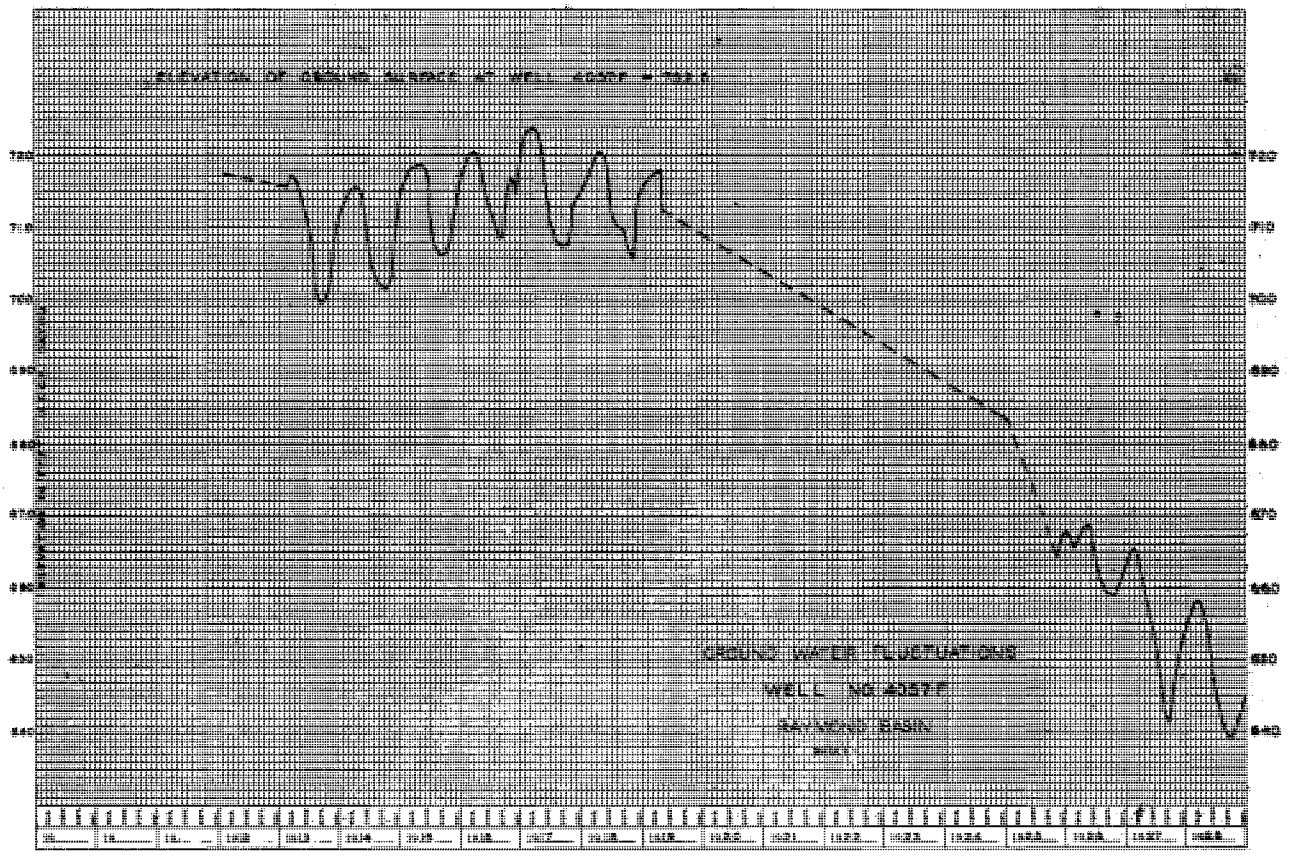
SUPERSEDES 2-H74

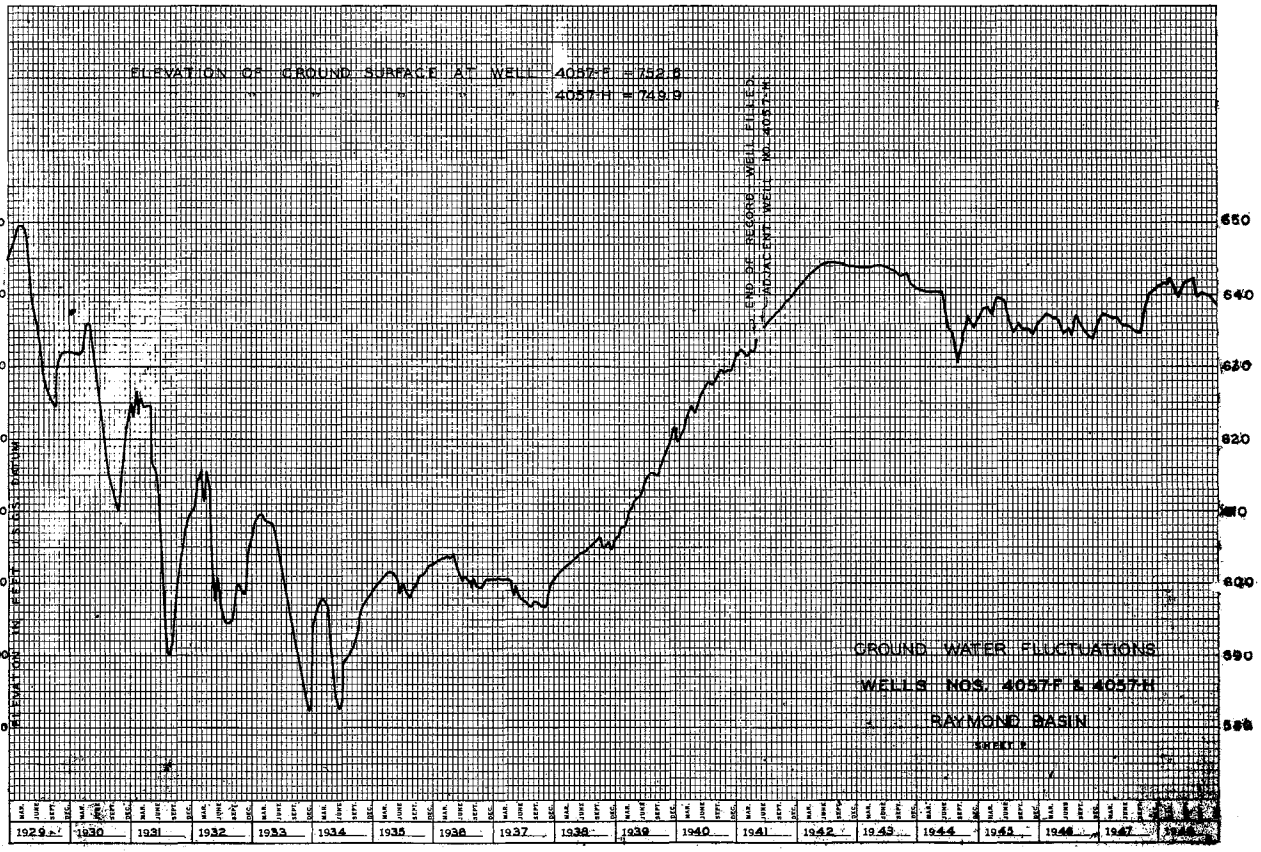
REVISIONS			LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
MARK	DATE	DESCRIPTION	MAP SHOWING LOCATION OF KEY WELLS GROUND WATER BASINS AND SPREADING GROUNDS
COMPILED		DRAWN M.K.I.	APPROVED 5/19/58 CHIEF ENGINEER
PRESENTED H.R.D.		CHECKED H.R.D.	
SUBMITTED Evelyn B. Cowles DIVISION ENGINEER-HYDR.		RECOMMENDED Paul Hammond ASST. CHIEF ENGINEER	SCALE AS SHOWN DATE MARCH 1958 NO. 2-H133 SHEET OF

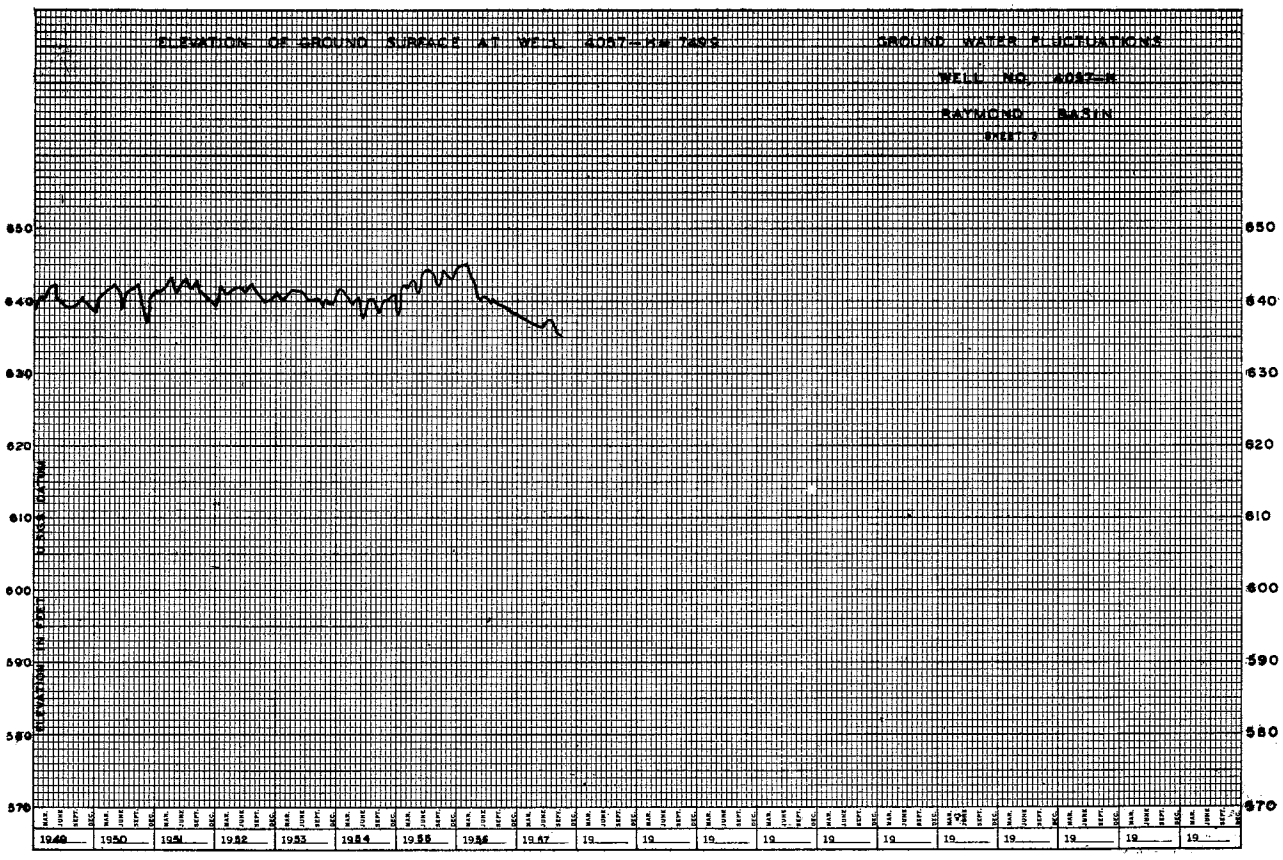
MAP V

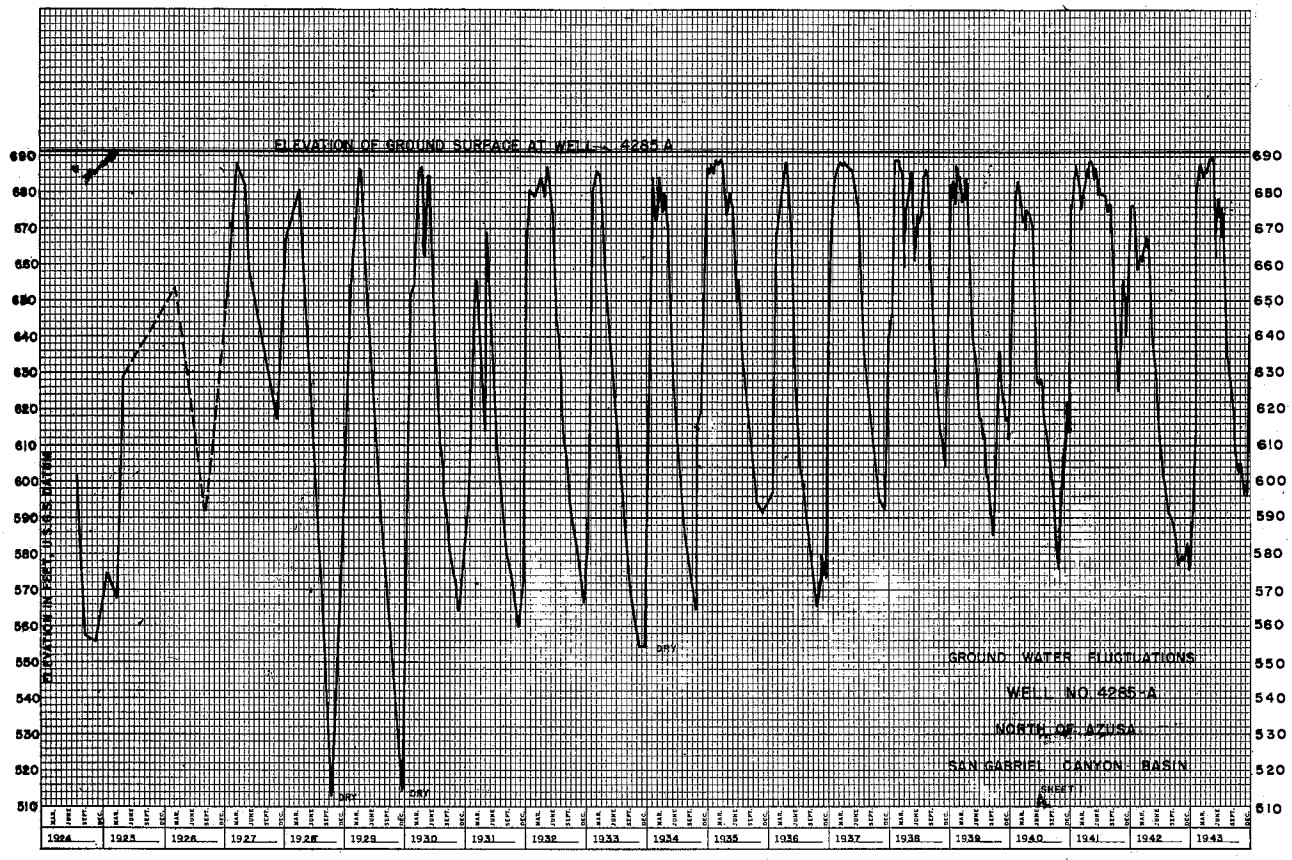

ELEVATION OF GROUND SURFACE AT WELL NO. 3864
ELEV. GRD. SURF. AT WELL NO. 3855
ELEVATION IN FEET, U.S.G.S. DATUM
3855
3864
WELL ABANDONED
ELEVATION OF GROUND SURFACE AT WELL NO. 3872 B = 562
ELEVATION OF GROUND SURFACE AT WELL NO. 3855 = 548
3872-B
DRY
SCALE SHIFTED
GROUND WATER FLUCTUATIONS
WELL NOS. 3864, 3855 & 3872B
BURBANK
SAN FERNANDO VALLEY

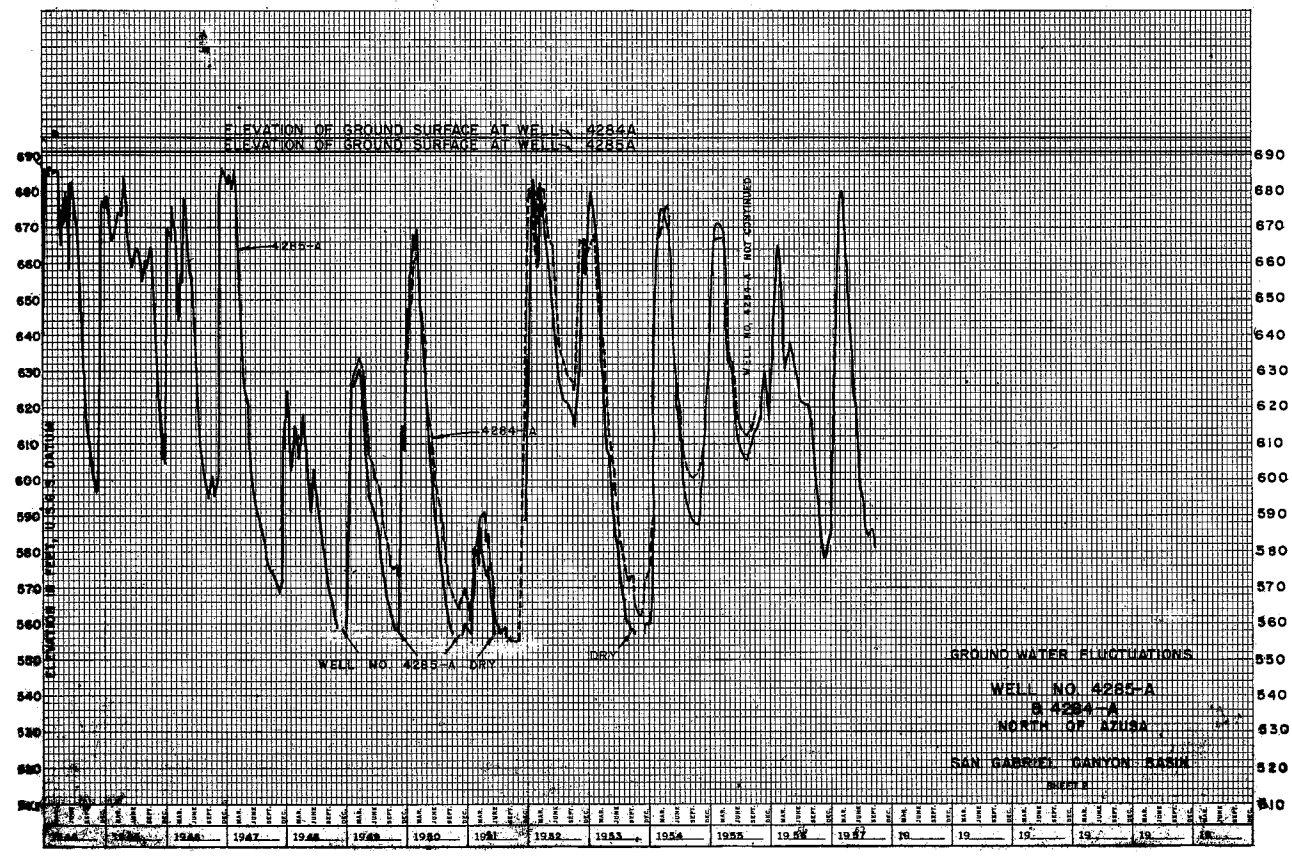

ELEVATION OF GROUND SURFACE AT WELL = 792.0
ELEVATION IN FEET, U.S.G.S. DATUM
GROUND WATER FLUCTUATIONS
WELL NO. 4709
BRANT RANCH, CANOGA PARK
SAN FERNANDO VALLEY
ELEVATION OF GROUND SURFACE AT WELL = 792.0
TEMPORARILY BURIED
TEMPORARILY BURIED

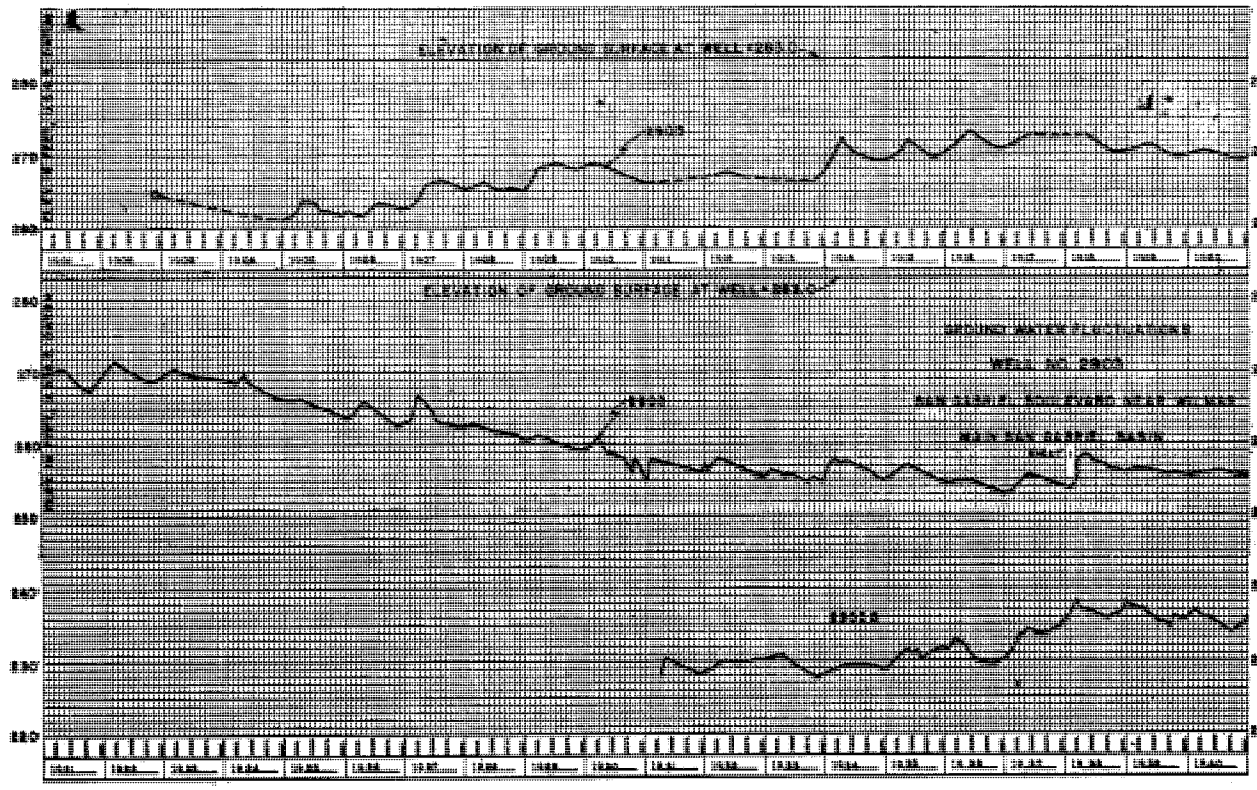

ELEVATION OF GROUND SURFACE AT WELL 4057F = 752.8
GROUND WATER FLUCTUATIONS
WELL NO 4057F
RAYMOND BASIN
SHEET

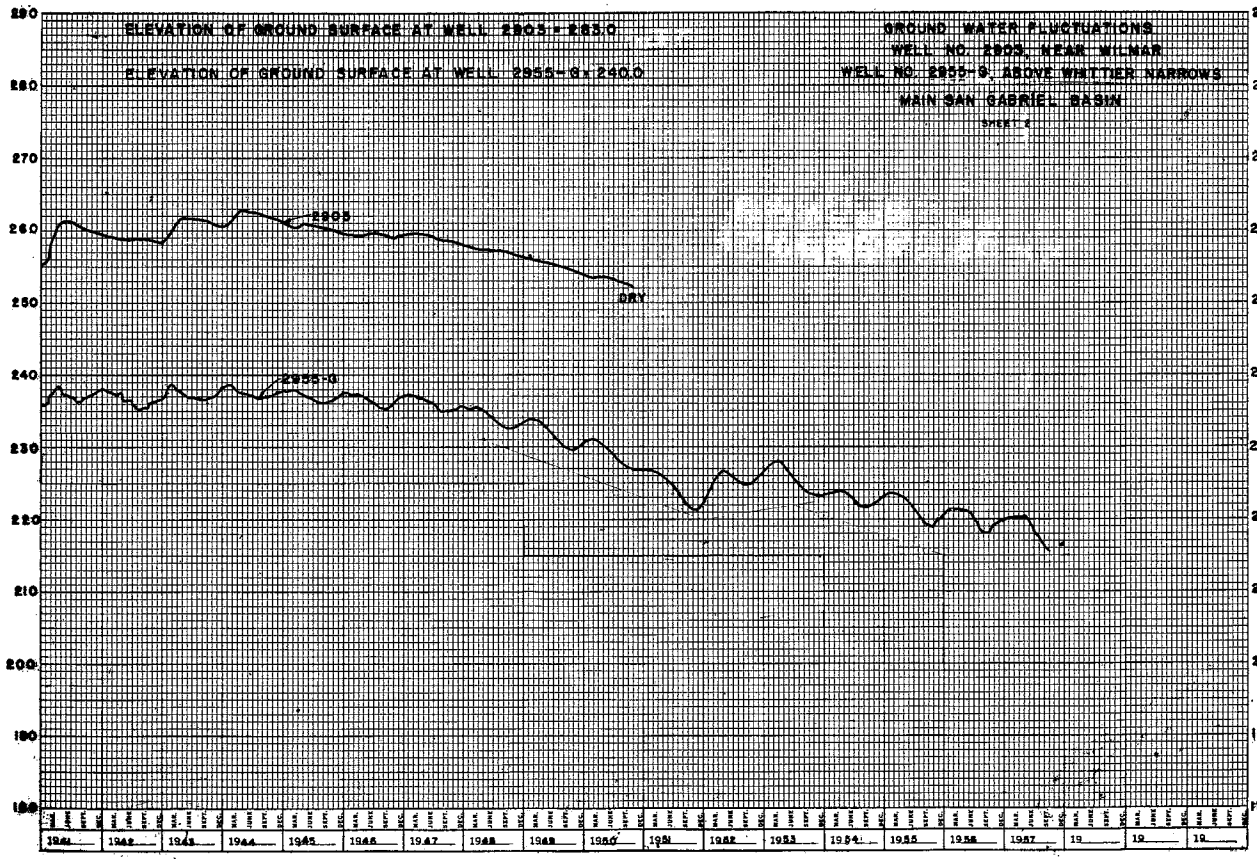

ELEVATION OF GROUND SURFACE AT WELL 4057F = 752.8
4057H = 748.9
END OF RECORD WELL FILLED
ADJACENT WELL NO 4057-H
GROUND WATER FLUCTUATIONS
WELLS NOS. 4057F & 4057H
RAYMOND BASIN
SHEET

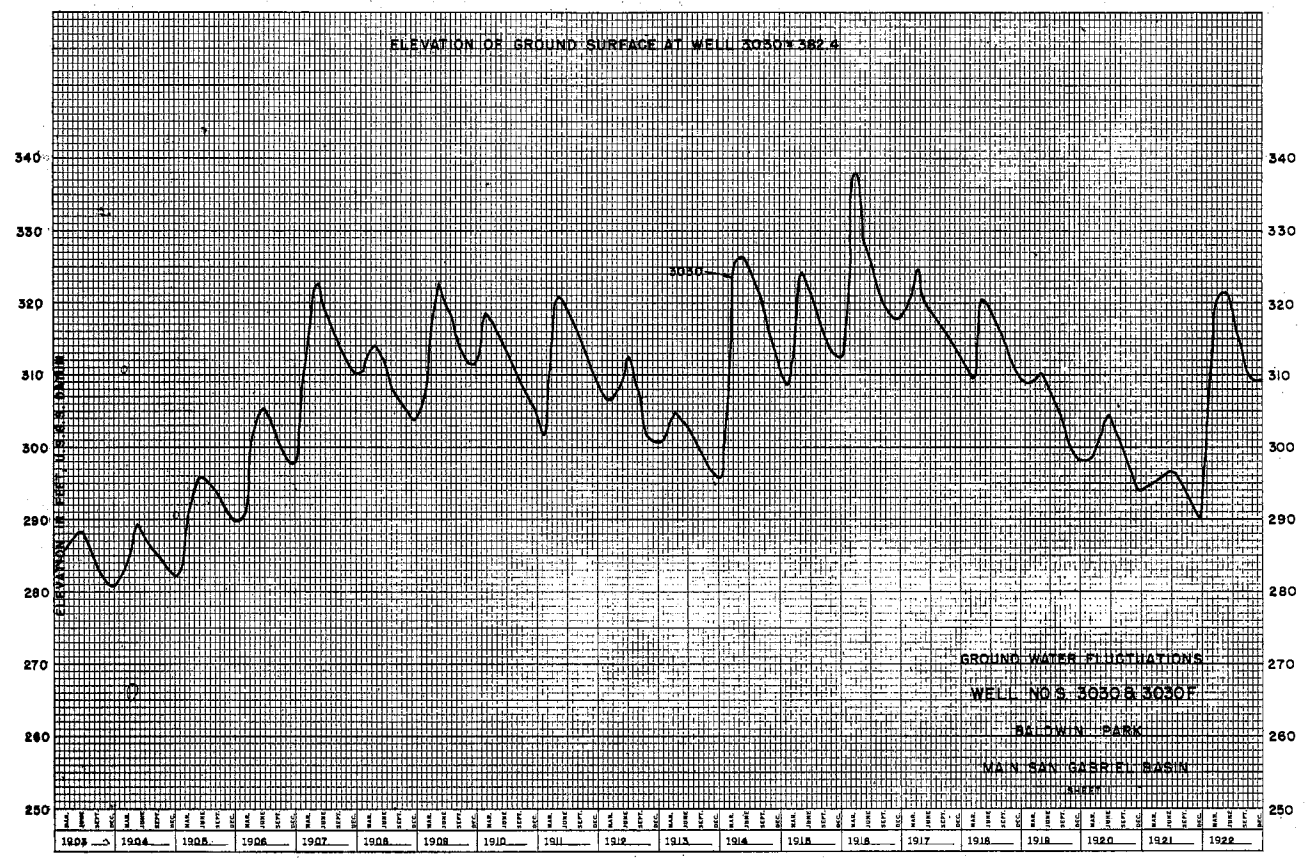

ELEVATION OF GROUND SURFACE AT WELL 4057-A = 748.5
GROUND WATER FLUCTUATIONS
WELL NO. 4057-A
RAYMOND BASIN
SHEET 2
ELEVATION IN FEET DATUM MEAN SEA LEVEL
650
640
630
620
610
600
590
580
570
1949
1950
1951
1952
1953
1954
1955
1956
1957

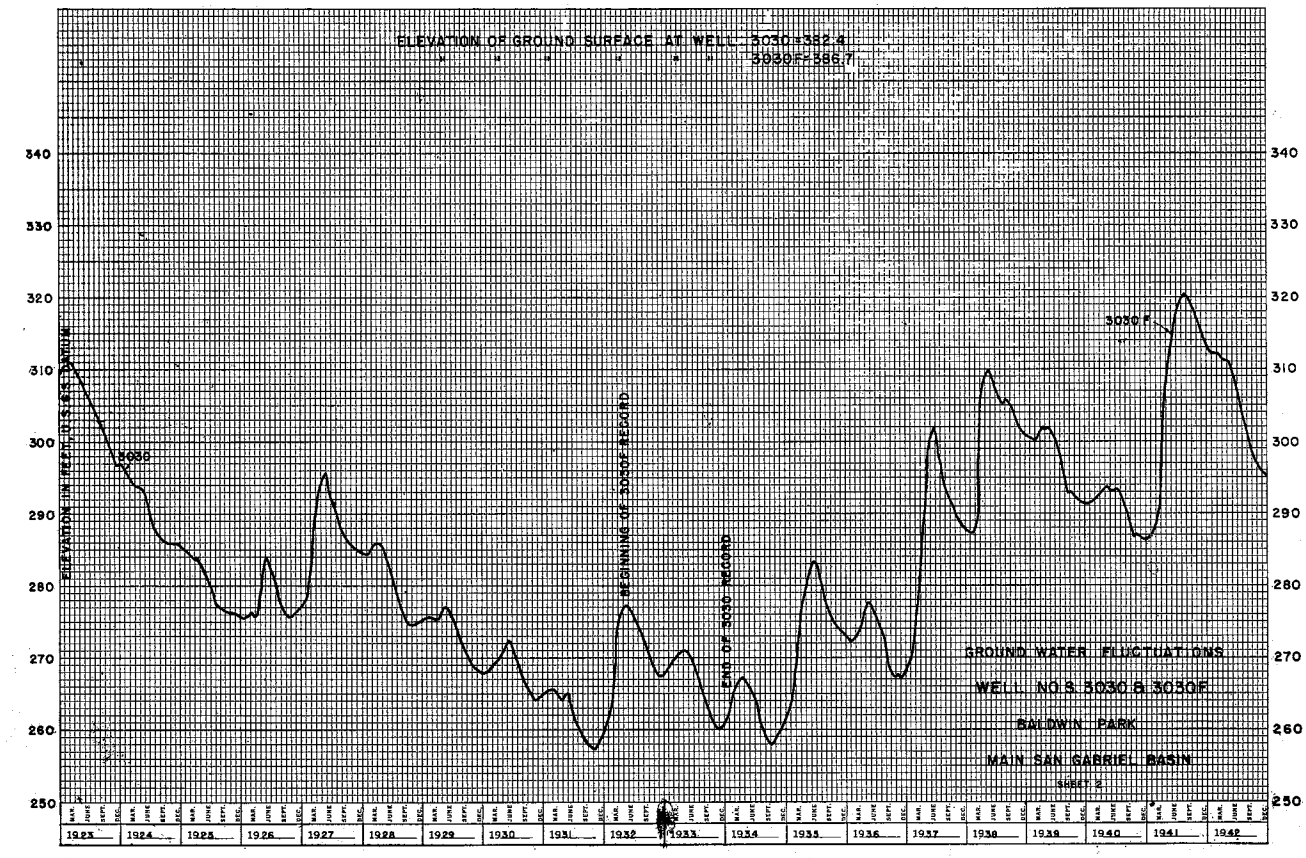

ELEVATION OF GROUND SURFACE AT WELL No. 4285-A
ELEVATION IN FEET, U.S.G.S. DATUM
DRY
DRY
DRY
GROUND WATER FLUCTUATIONS
WELL NO. 4285-A
NORTH OF AZUSA
SAN GABRIEL CANYON BASIN
SHEET A
1924
1925
1926
1927
1928
1929
1930
1931
1932
1933
1934
1935
1936
1937
1938
1939
1940
1941
1942
1943

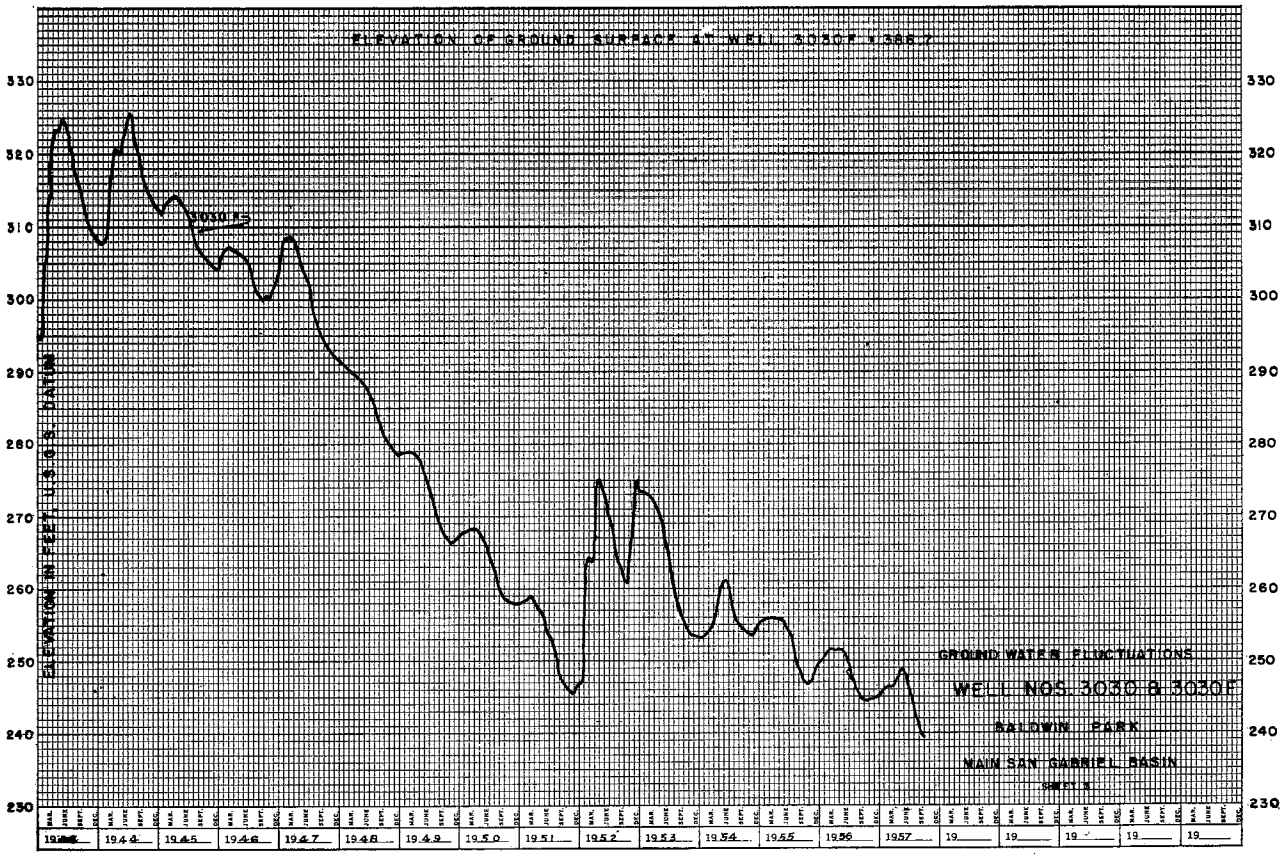

ELEVATION OF GROUND SURFACE AT WELL No. 4284-A
ELEVATION OF GROUND SURFACE AT WELL No. 4285-A
ELEVATION IN FEET, U.S.G.S. DATUM
4285-A
4284-A
WELL NO. 4285-A NOT CONTINUOUS
WELL NO. 4285-A DRY
DRY
GROUND WATER FLUCTUATIONS
WELL NO. 4285-A
& 4284-A
NORTH OF AZUSA
SAN GABRIEL CANYON BASIN
SHEET B

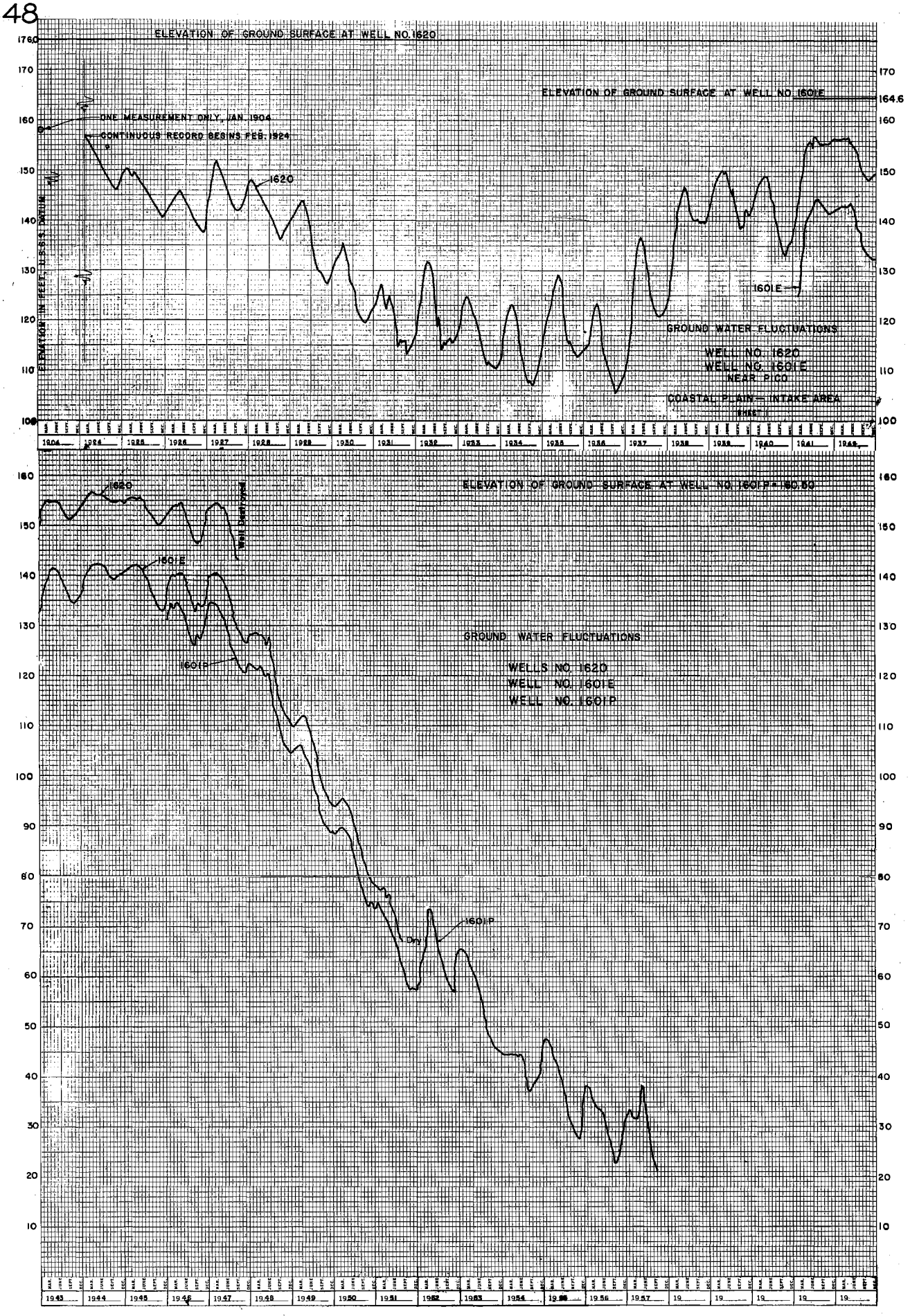


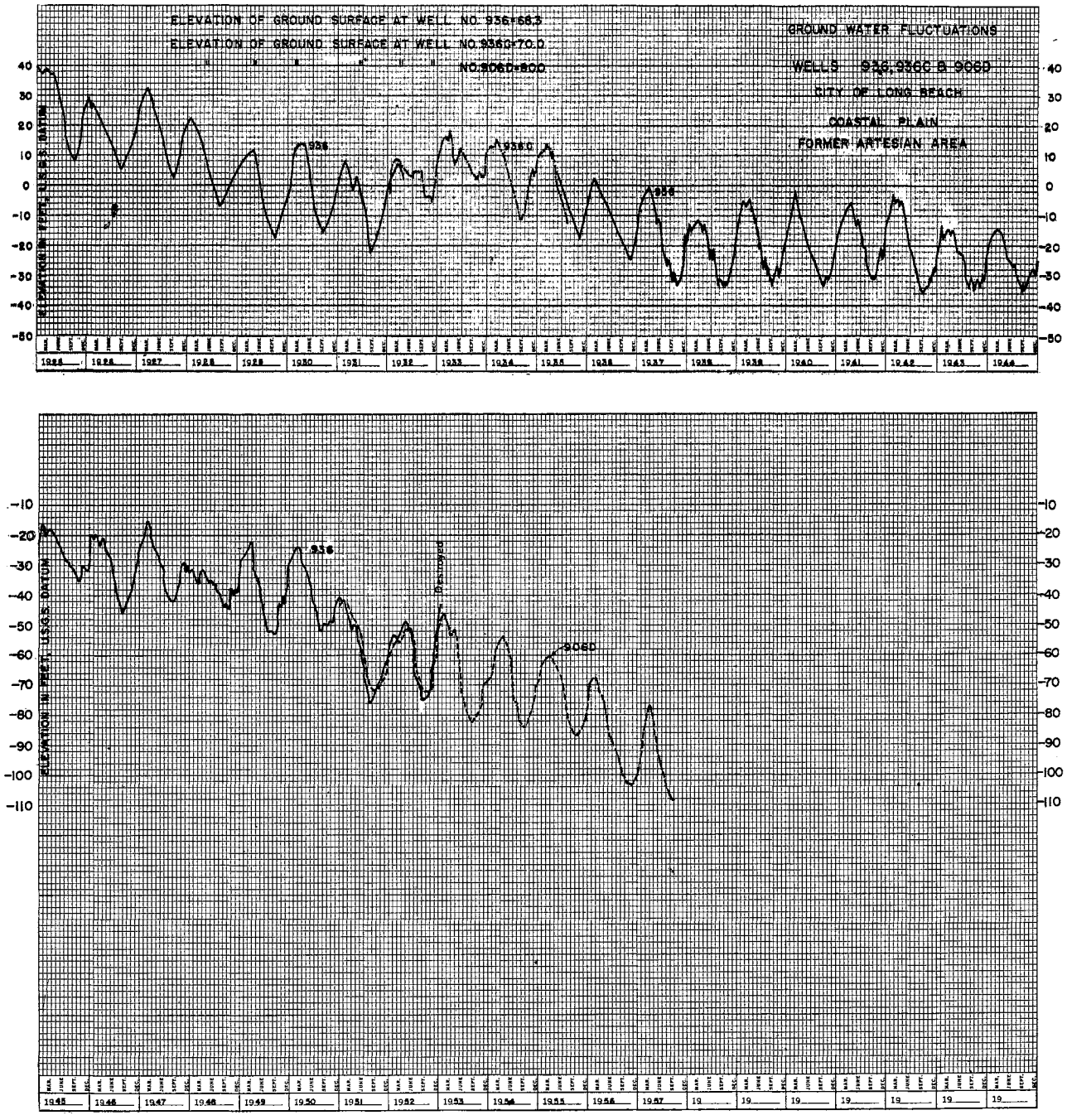

ELEVATION OF GROUND SURFACE AT WELL 2903 = 263.0
ELEVATION OF GROUND SURFACE AT WELL 2955-9 = 240.0
GROUND WATER FLUCTUATIONS
WELL NO. 2903, NEAR WILMAR
WELL NO. 2955-9, ABOVE WHITTIER NARROWS
MAIN SAN GABRIEL BASIN
2903
DRY
2955-9

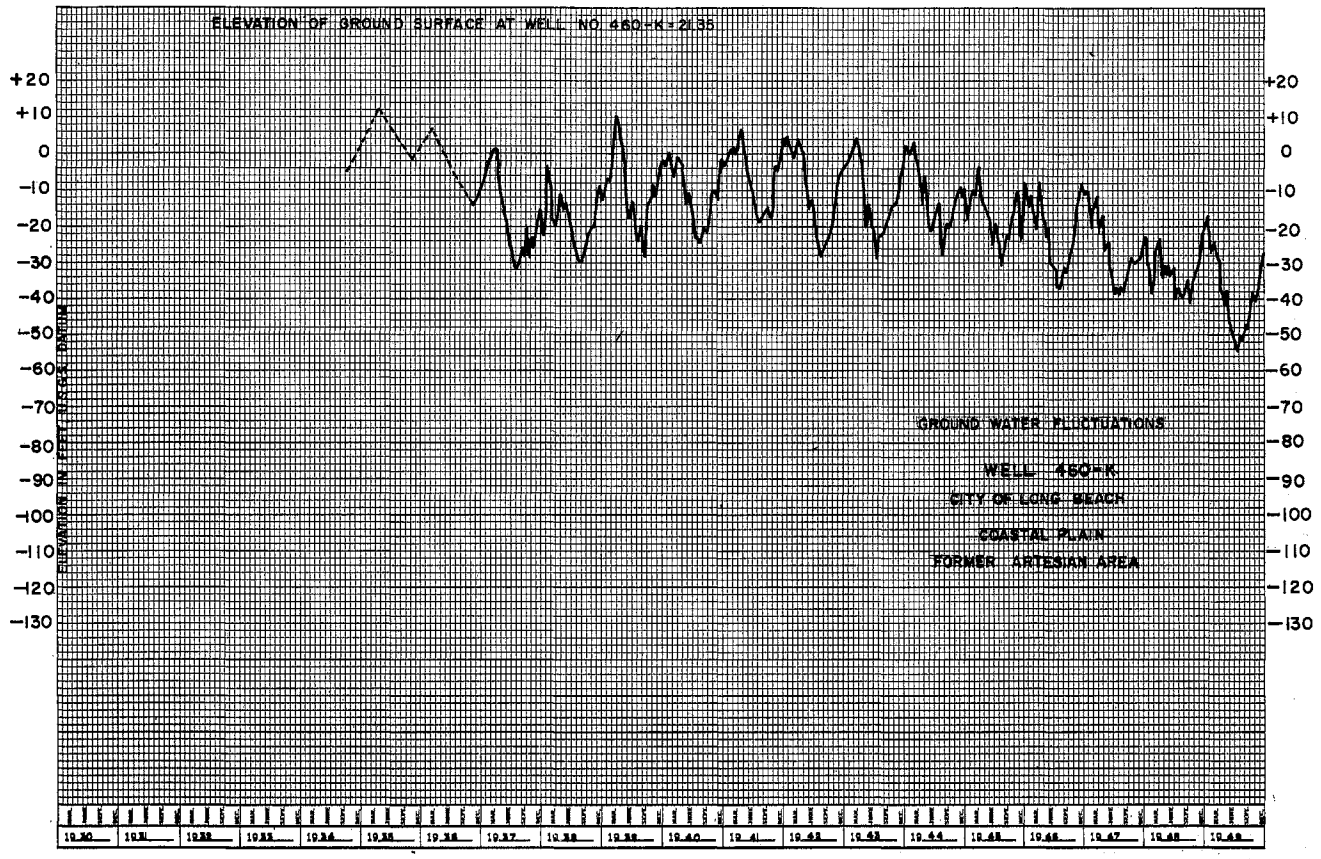

ELEVATION OF GROUND SURFACE AT WELL 3030 = 382.4
ELEVATION IN FEET, U.S.G.S. DATUM
3030
340
330
320
310
300
290
280
270
260
250
1903
1904
1905
1906
1907
1908
1909
1910
1911
1912
1913
1914
1915
1916
1917
1918
1919
1920
1921
1922
GROUND WATER FLUCTUATIONS
WELL NOS. 3030 & 3030F
BALDWIN PARK
MAIN SAN GABRIEL BASIN
SHEET 1

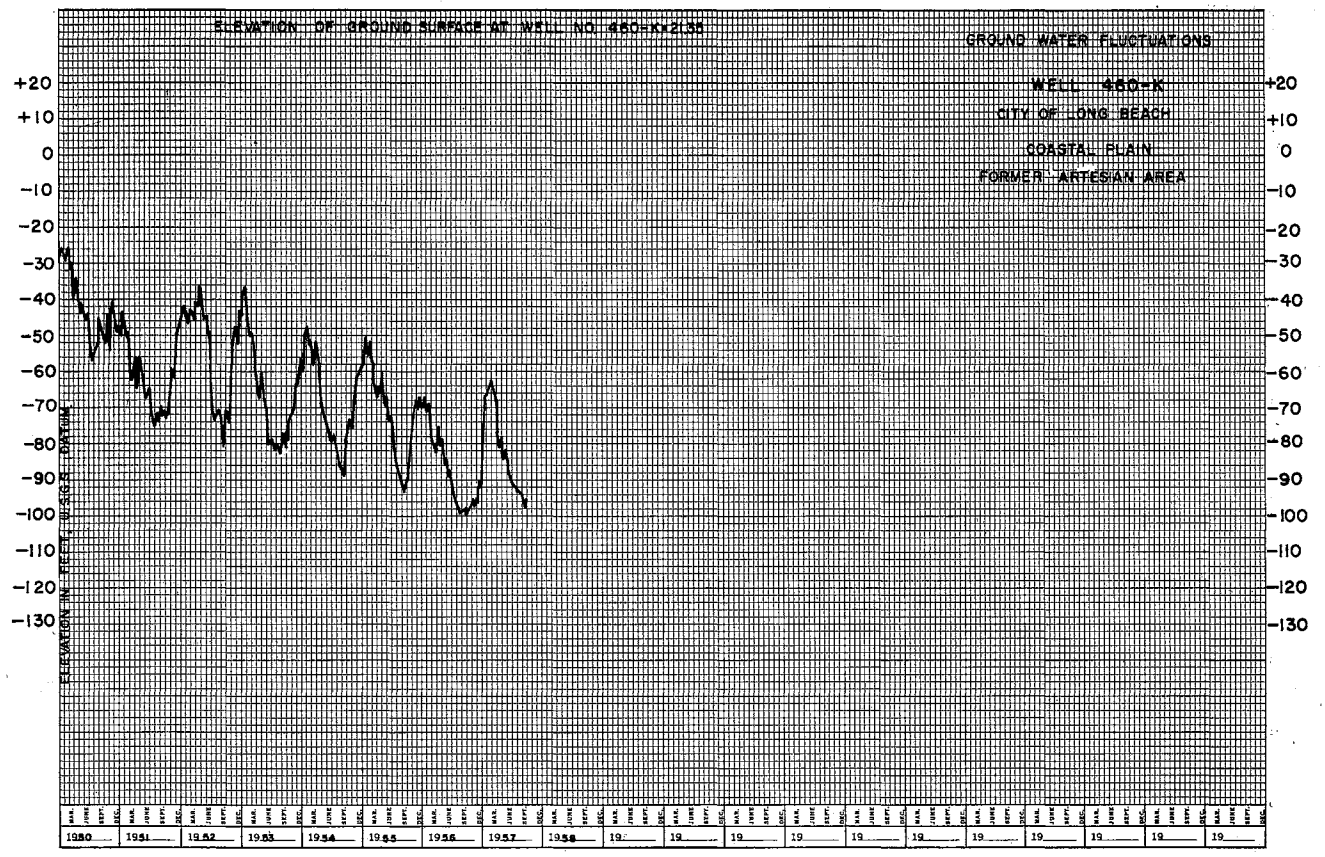

ELEVATION OF GROUND SURFACE AT WELL 3030 = 382.4
" " " " " " 3030F = 386.7
ELEVATION IN FEET, U.S.G.S. DATUM
3030
3030 F
BEGINNING OF 3030 RECORD
END OF 3030 RECORD
340
330
320
310
300
290
280
270
260
250
1923
1924
1925
1926
1927
1928
1929
1930
1931
1932
1933
1934
1935
1936
1937
1938
1939
1940
1941
1942
GROUND WATER FLUCTUATIONS
WELL NOS. 3030 & 3030F
BALDWIN PARK
MAIN SAN GABRIEL BASIN
SHEET 2

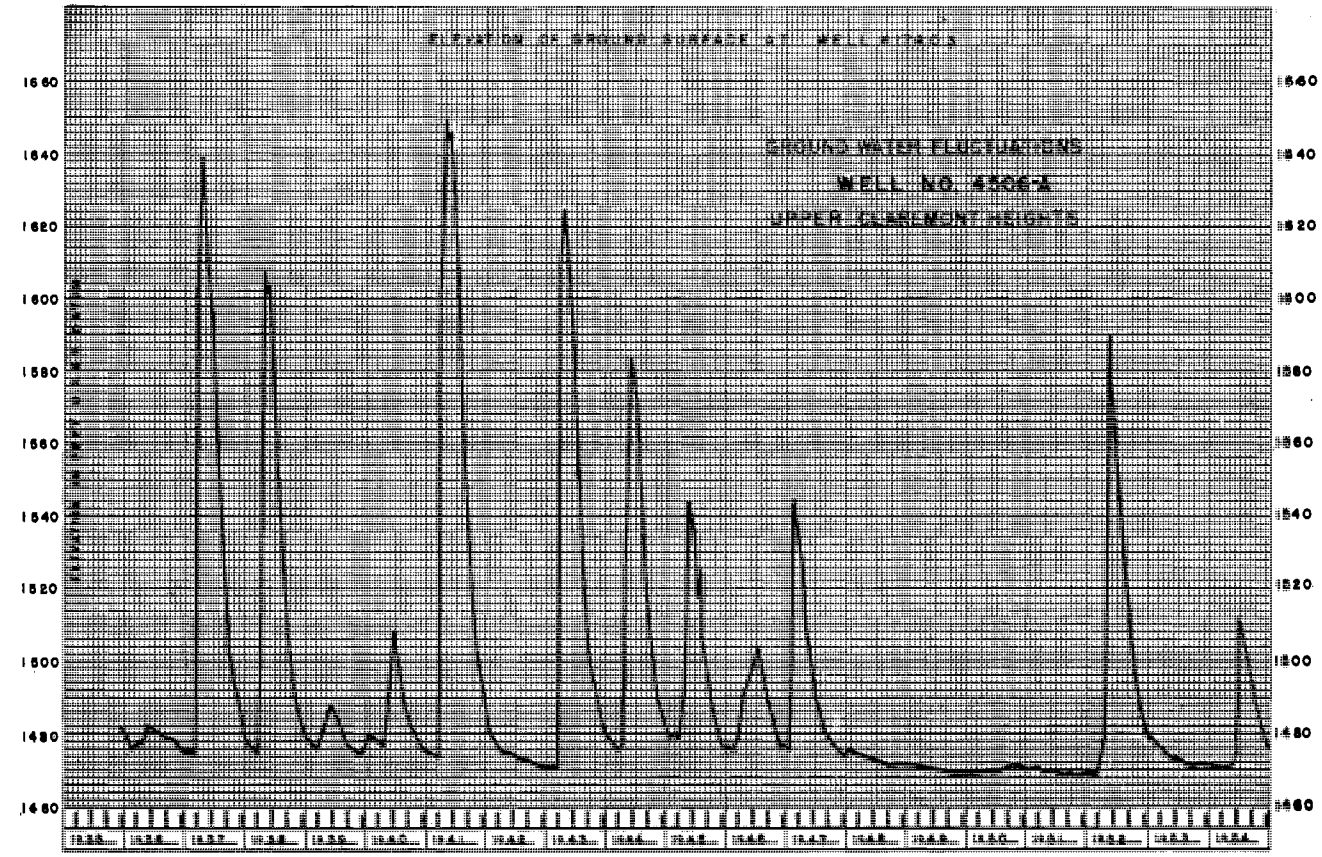

ELEVATION OF GROUND SURFACE AT WELL 3030F = 388.7
ELEVATION IN FEET U.S.C.&G.S. DATUM
330
320
310
300
290
280
270
260
250
240
230
3030-S
GROUND WATER FLUCTUATIONS
WELL NOS. 3030-S & 3030-F
BALDWIN PARK
MAIN SAN GABRIEL BASIN
SHEET 3
1943
1944
1945
1946
1947
1948
1949
1950
1951
1952
1953
1954
1955
1956
1957
19
MAR.
JUNE
SEPT.
DEC.

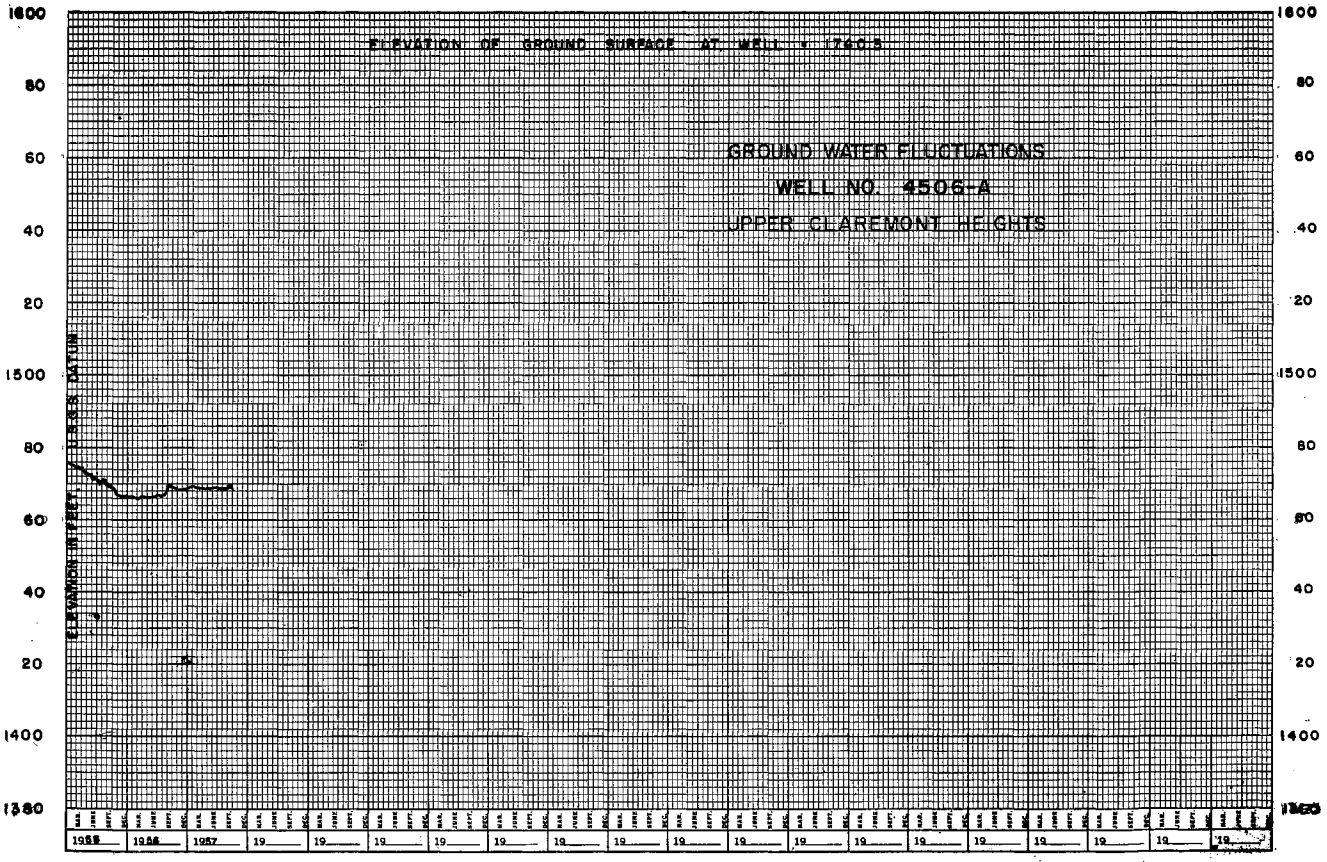

ELEVATION OF GROUND SURFACE AT WELL NO. 1620
ELEVATION OF GROUND SURFACE AT WELL NO. 1601E 164.6
ONE MEASUREMENT ONLY, JAN. 1904
CONTINUOUS RECORD BEGINS FEB. 1924
1620
1601E
ELEVATION IN FEET, U.S.G.S. DATUM
GROUND WATER FLUCTUATIONS
WELL NO. 1620
WELL NO. 1601E
NEAR PICO
COASTAL PLAIN — INTAKE AREA
(EAST)
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 NO. 1601P = 80.50
1620
1601E
Well Destroyed
1601P
GROUND WATER FLUCTUATIONS
WELLS NO. 1620
WELL NO. 1601E
WELL NO. 1601P
1943 1944 1945 1946 1947 1948 1949 1950 1951 1952 1953 1954 1955 1956 1957 19 19 19 19 19

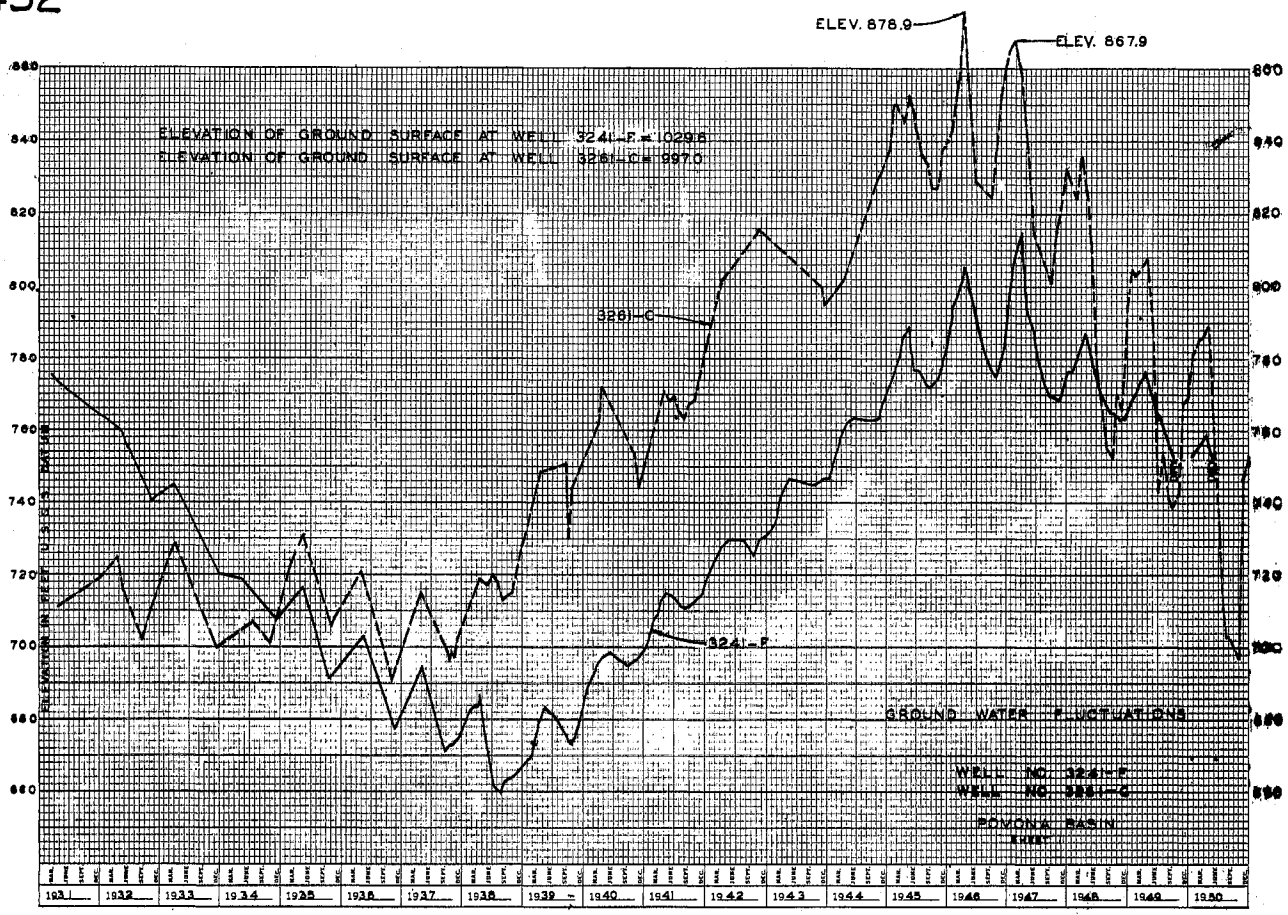

ELEVATION OF GROUND SURFACE AT WELL NO. 936+68.3
ELEVATION OF GROUND SURFACE AT WELL NO. 936G+70.0
" " " " " " NO. 906D+80.0
GROUND WATER FLUCTUATIONS
WELLS 936, 936C & 906D
CITY OF LONG BEACH
COASTAL PLAIN
FORMER ARTESIAN AREA
ELEVATION IN FEET, U.S.G.S. DATUM
936
936G
906D
Recorded
1945
1946
1947
1948
1949
1950
1951
1952
1953
1954
1955
1956
1957

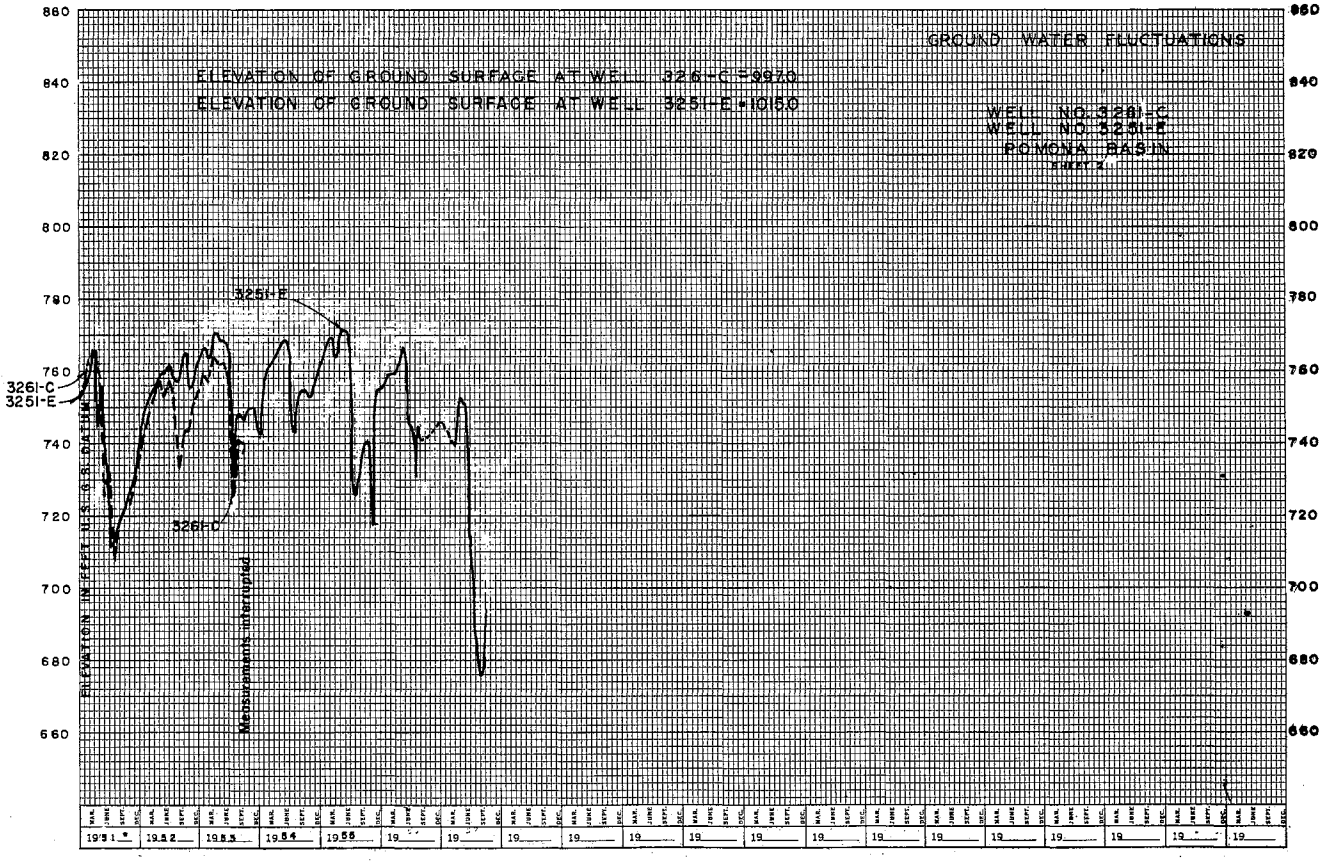

ELEVATION OF GROUND SURFACE AT WELL NO. 450-K = 21.35
+20
+10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
-120
-130
ELEVATION IN FEET ABOVE DATUM
GROUND WATER FLUCTUATIONS
WELL 450-K
CITY OF LONG BEACH
COASTAL PLAIN
FORMER ARTESIAN AREA
1930
1931
1932
1933
1934
1935
1936
1937
1938
1939
1940
1941
1942
1943
1944
1945
1946
1947
1948
1949

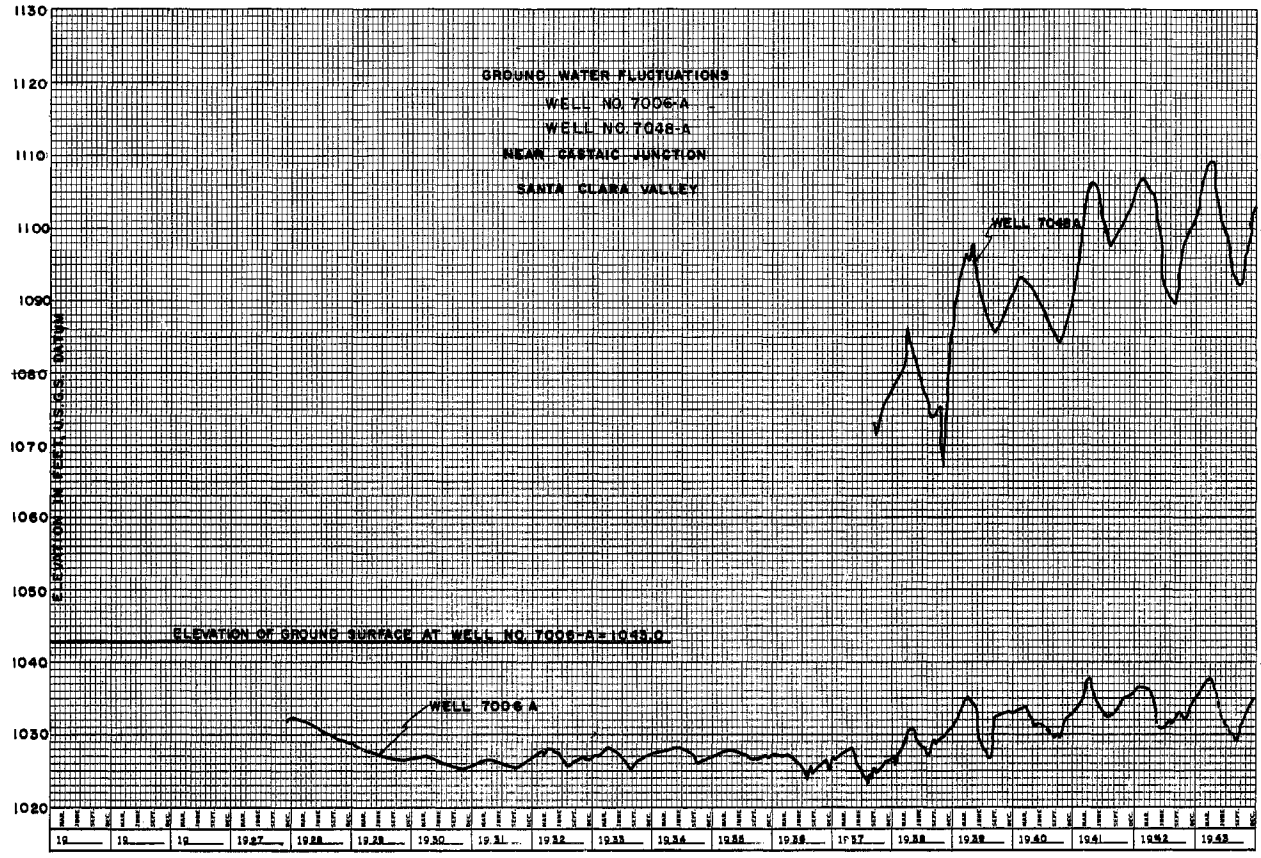

ELEVATION OF GROUND SURFACE AT WELL NO. 450-KX = 21.35
GROUND WATER FLUCTUATIONS
WELL 450-K
CITY OF LONG BEACH
COASTAL PLAIN
FORMER ARTESIAN AREA
+20
+10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
-120
-130
ELEVATION IN FEET ABOVE DATUM
1950
1951
1952
1953
1954
1955
1956
1957
1958
19
19
19
19
19
19
19
19
19
19

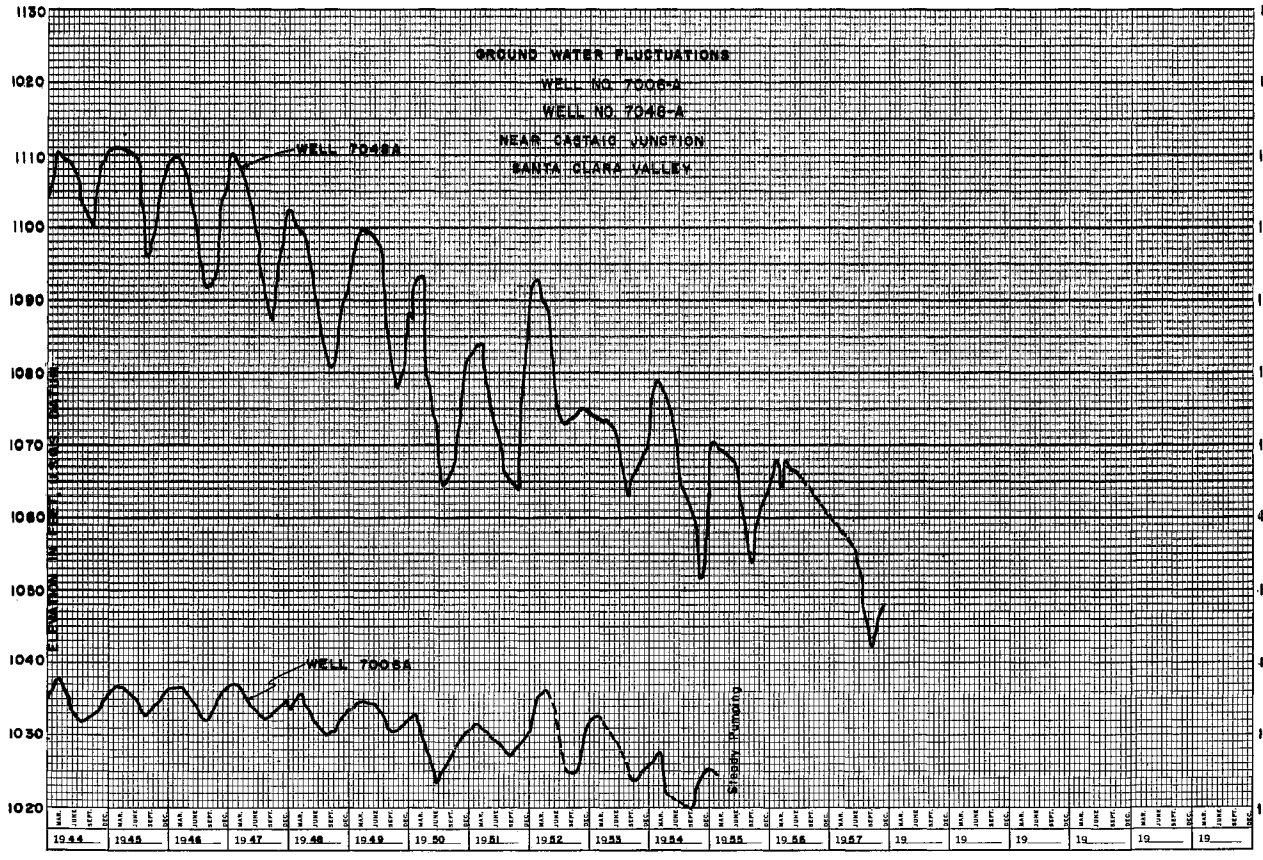

ELEVATION OF GROUND SURFACE AT WELL 1760.5
GROUND WATER FLUCTUATIONS
WELL NO. 4506-A
UPPER CLAREMONT HEIGHTS
ELEVATION IN FEET ABOVE MEAN SEA LEVEL DATUM
1660
1640
1620
1600
1580
1560
1540
1520
1500
1480
1460
1955
1956
1957

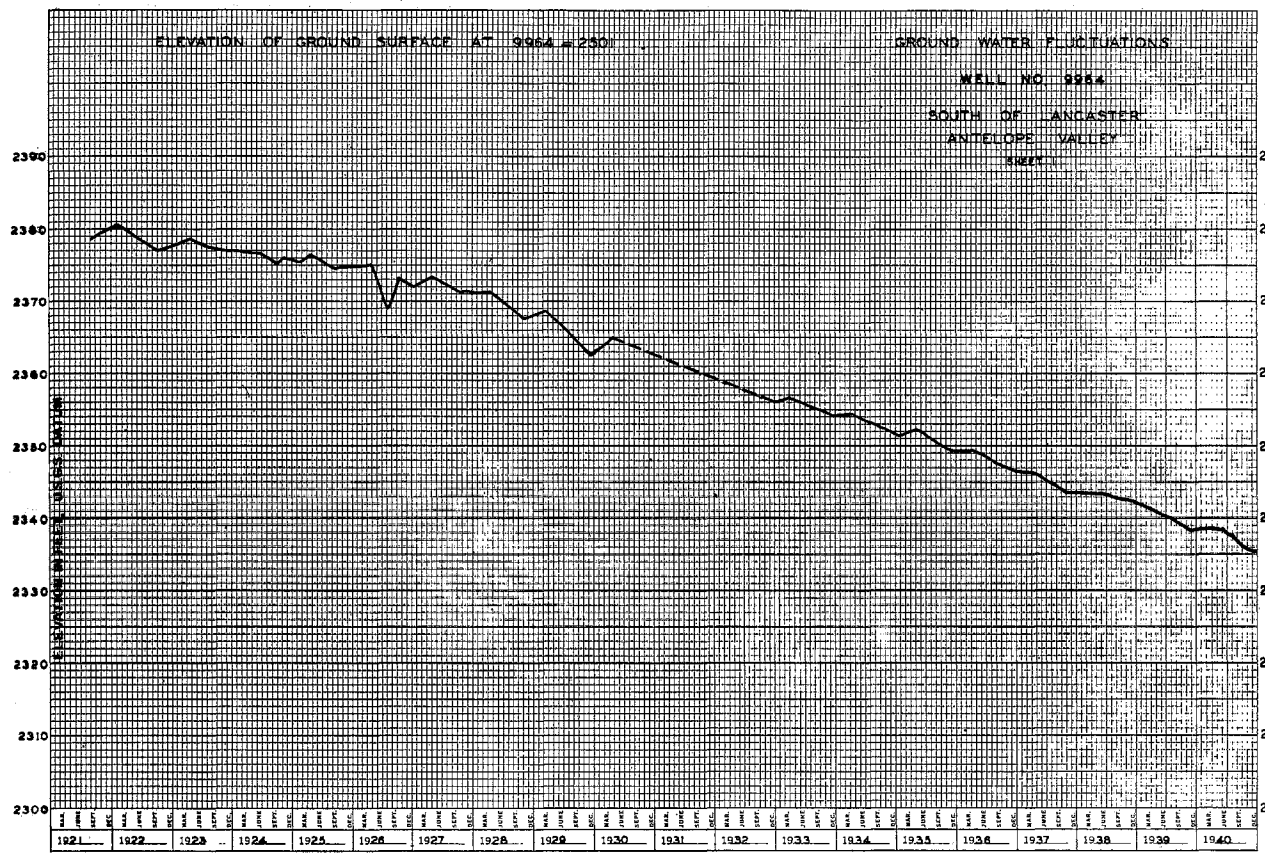

ELEVATION OF GROUND SURFACE AT WELL + 1760.5
GROUND WATER FLUCTUATIONS
WELL NO. 4506-A
UPPER CLAREMONT HEIGHTS
ELEVATION IN FEET ABOVE MEAN SEA LEVEL DATUM
1600
80
60
40
20
1500
80
60
40
20
1400
1380
1955
1956
1957

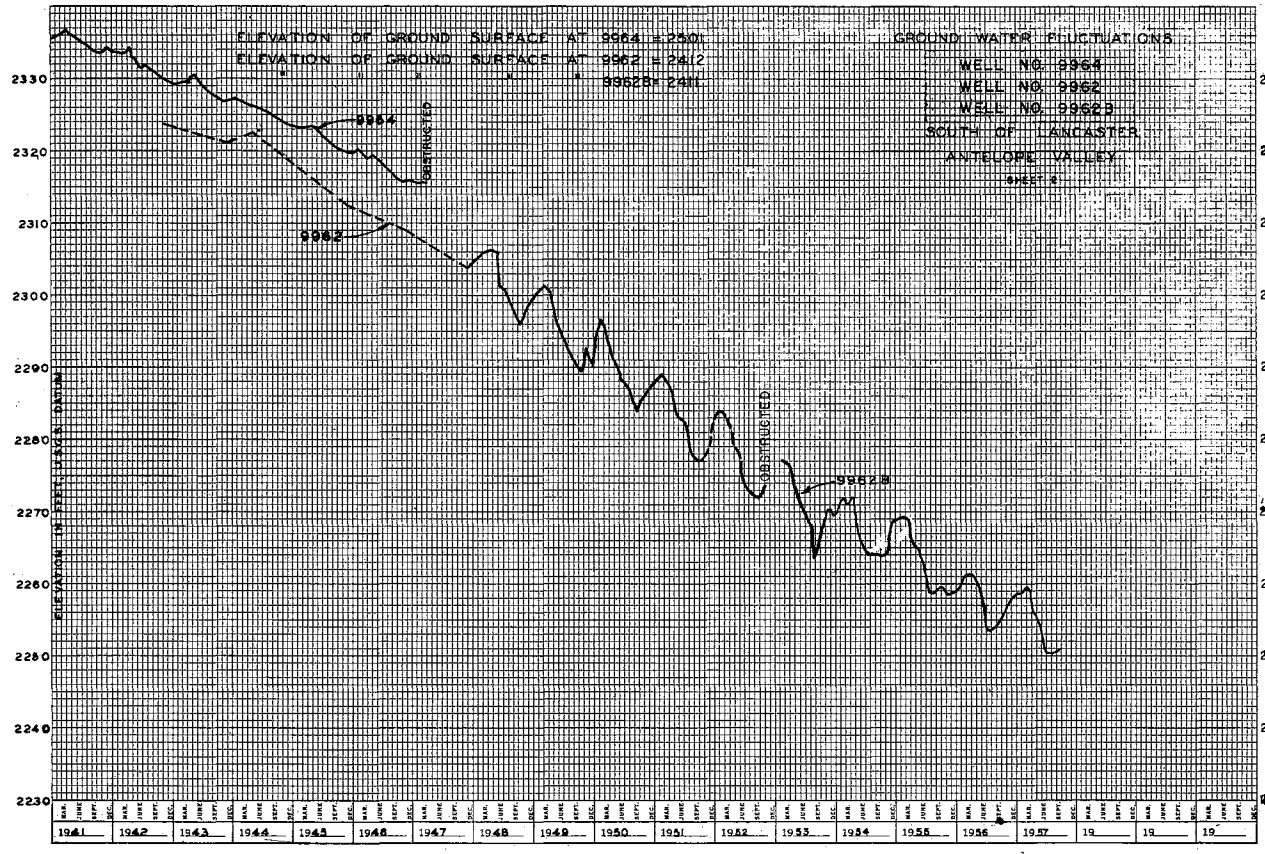

ELEV. 878.9
ELEV. 867.9
ELEVATION OF GROUND SURFACE AT WELL 3241-F = 1029.6
ELEVATION OF GROUND SURFACE AT WELL 3261-C = 997.0
3261-C
3241-F
ELEVATION IN FEET U.S.C.G.S. DATUM
GROUND WATER FLUCTUATIONS
WELL NO. 3241-F
WELL NO. 3261-C
POMONA BASIN
KWEY
1931 1932 1933 1934 1935 1936 1937 1938 1939 1940 1941 1942 1943 1944 1945 1946 1947 1948 1949 1950

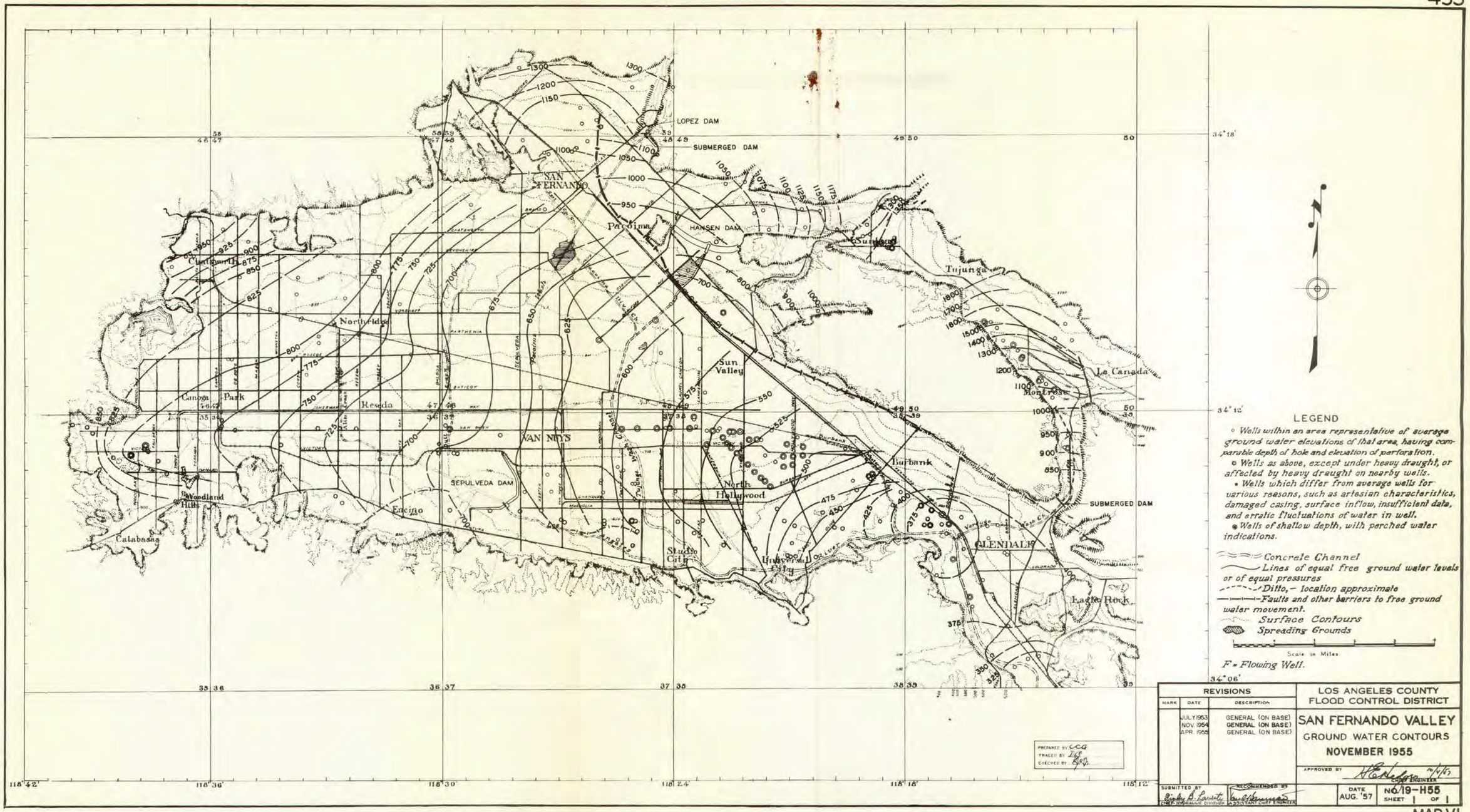

ELEVATION OF GROUND SURFACE AT WELL 3261-C = 997.0
ELEVATION OF GROUND SURFACE AT WELL 3251-E = 1015.0
GROUND WATER FLUCTUATIONS
WELL NO. 3261-C
WELL NO. 3251-E
POMONA BASIN
KWEY
3251-E
3261-C
3251-E
526H-C
Measurements interrupted
ELEVATION IN FEET U.S.G.S. DATUM
1951 1952 1953 1954 1955


GROUND WATER FLUCTUATIONS
WELL NO. 7006-A
WELL NO. 7048-A
NEAR CASTAIC JUNCTION
SANTA CLARA VALLEY
ELEVATION IN FEET U.S.C.G.S. DATUM
WELL 7048A
WELL 7006 A
ELEVATION OF GROUND SURFACE AT WELL NO. 7006-A = 1045.0
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


GROUND WATER FLUCTUATIONS
WELL NO. 7006-A
WELL NO. 7048-A
NEAR CASTAIC JUNCTION
SANTA CLARA VALLEY
ELEVATION IN FEET U.S.C.G.S. DATUM
WELL 7048A
WELL 7006A
Sheet 2 of 3
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


ELEVATION OF GROUND SURFACE AT 9964 = 2501
GROUND WATER FLUCTUATIONS
WELL NO. 9964
SOUTH OF LANCASTER
ANTELOPE VALLEY
SHEET 1
ELEVATION IN FEET ABOVE MEAN SEA LEVEL 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 9962 = 2412
ELEVATION OF GROUND SURFACE AT 9962B= 2411
GROUND WATER FLUCTUATIONS
WELL NO. 9964
WELL NO. 9962
WELL NO. 9962B
SOUTH OF LANCASTER
ANTELOPE VALLEY
SHEET 2
9964
9962
9962B
OBSTRUCTED
OBSTRUCTED
ELEVATION IN FEET ABOVE MEAN SEA LEVEL 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



LEGEND

- Wells within an area representative of average ground water elevations of that area, having comparable depth of hole and elevation of perforation.
- Wells as above, except under heavy draught, or affected by heavy draught on nearby wells.
- Wells which differ from average wells for various reasons, such as artesian characteristics, damaged casing, surface inflow, insufficient data, and erratic fluctuations of water in well.
- Wells of shallow depth, with perched water indications.

Concrete Channel
Lines of equal free ground water levels or of equal pressures
Ditto,- location approximate
Faults and other barriers to free ground water movement.
Surface Contours
Spreading Grounds

Scale in Miles

F = Flowing Well.

PREPARED BY CCG
TRACED BY LEF
CHECKED BY

REVISIONS		
MARK	DATE	DESCRIPTION
	JULY 1953	GENERAL (ON BASE)
	NOV. 1954	GENERAL (ON BASE)
	APR. 1955	GENERAL (ON BASE)

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

SAN FERNANDO VALLEY
GROUND WATER CONTOURS
NOVEMBER 1955

APPROVED BY _____ CHIEF ENGINEER 12/4/57

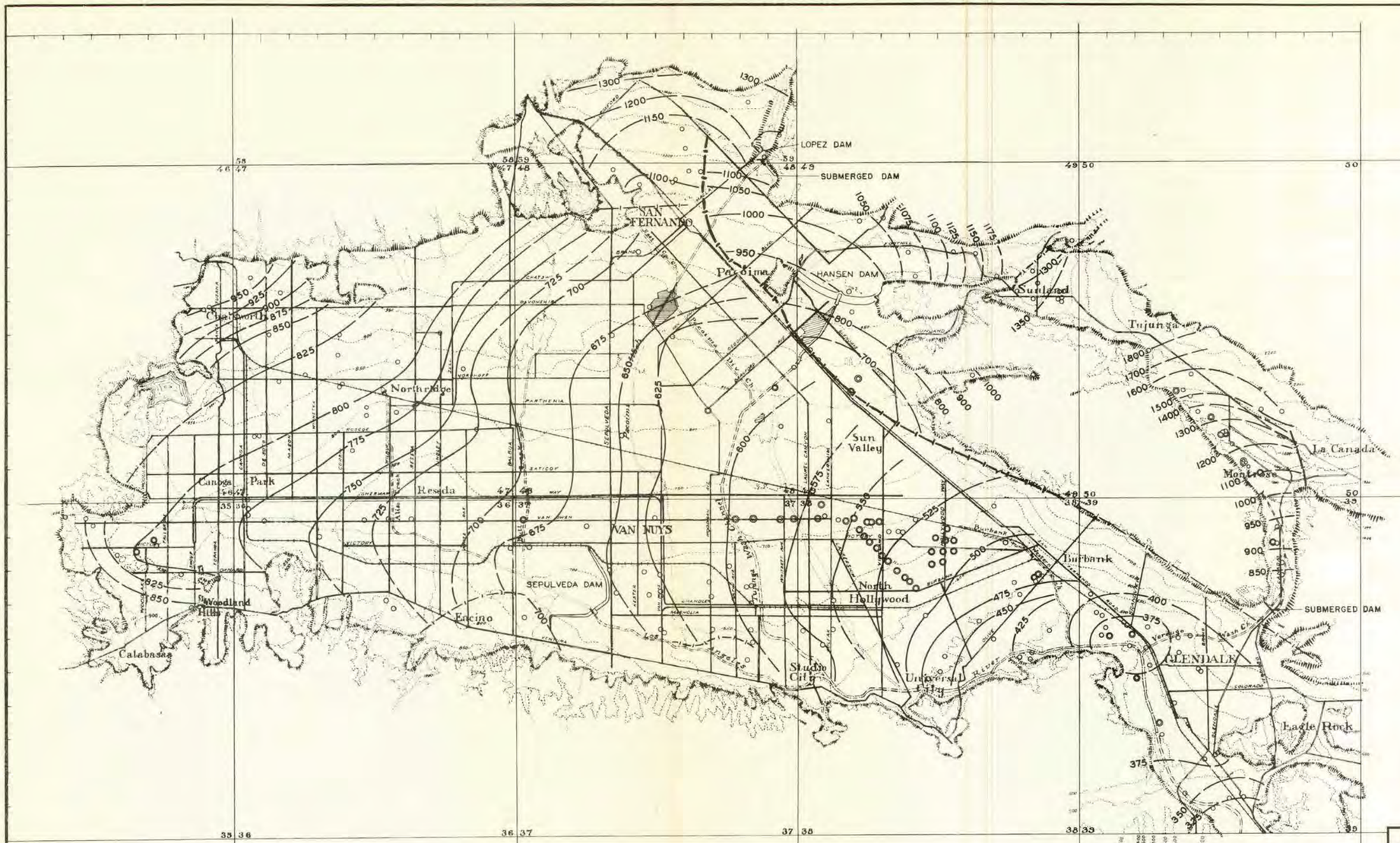
SUBMITTED BY _____ CHIEF HYDRAULIC DIVISION

RECOMMENDED BY _____ ASSISTANT CHIEF ENGINEER

DATE AUG. '57

NO. 19-H55 SHEET 1 OF 1

MAP VI



LEGEND

- ○ *Wells within an area representative of average ground water elevations of that area, having comparable depth of hole and elevation of perforation.*
- ◎ *Wells as above, except under heavy draught, or affected by heavy draught on nearby wells.*
- • *Wells which differ from average wells for various reasons, such as artesian characteristics, damaged casing, surface inflow, insufficient data, and erratic fluctuations of water in well.*
- ⊛ *Wells of shallow depth, with perched water indications.*

Concrete Channel
Lines of equal free ground water levels or of equal pressures
Ditto, – location approximate
Faults and other barriers to free ground water movement.
Surface Contours
Spreading Grounds

Scale in Miles

F = Flowing Well.

PREPARED BY JBF
TRACED BY DKS
CHECKED BY CCA

REVISIONS		
MARK	DATE	DESCRIPTION
	JULY 1953	GENERAL (ON BASE)
	NOV. 1954	GENERAL (ON BASE)
	APR. 1956	GENERAL (ON BASE)

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

SAN FERNANDO VALLEY
GROUND WATER CONTOURS
APRIL 1956

APPROVED BY _____ CHIEF ENGINEER 10/4/57

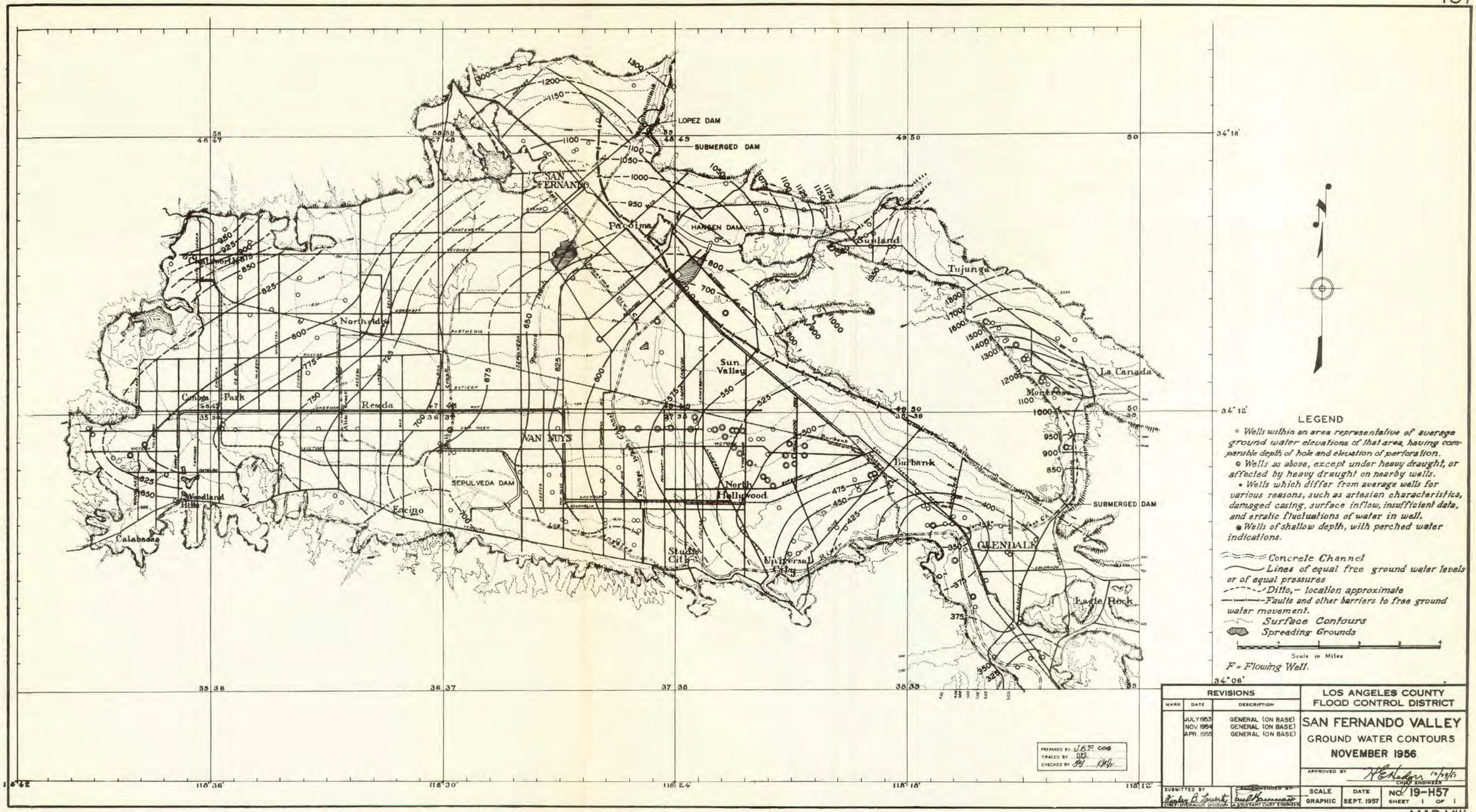
SUBMITTED BY Ira B. Lowry CHIEF HYDRAULIC DIVISION

RECOMMENDED BY _____ ASSISTANT CHIEF ENGINEER

DATE AUG. '57

NO. 19-H56 SHEET 1 OF 1

MAP VII



LEGEND

- ○ *Wells within an area representative of average ground water elevations of that area, having comparable depth of hole and elevation of perforation.*
- ⊙ *Wells as above, except under heavy draught, or affected by heavy draught on nearby wells.*
- • *Wells which differ from average wells for various reasons, such as artesian characteristics, damaged casing, surface inflow, insufficient data, and erratic fluctuations of water in well.*
- ◉ *Wells of shallow depth, with perched water indications.*

Concrete Channel
Lines of equal free ground water levels or of equal pressures
Ditto,- location approximate
Faults and other barriers to free ground water movement.
Surface Contours
Spreading Grounds

Scale in Miles

F = Flowing Well.

PREPARED BY J.B.T. COG
TRACED BY DTS
CHECKED BY

REVISIONS		
MARK	DATE	DESCRIPTION
	JULY 1953	GENERAL (ON BASE)
	NOV. 1954	GENERAL (ON BASE)
	APR. 1955	GENERAL (ON BASE)

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

SAN FERNANDO VALLEY
GROUND WATER CONTOURS
NOVEMBER 1956

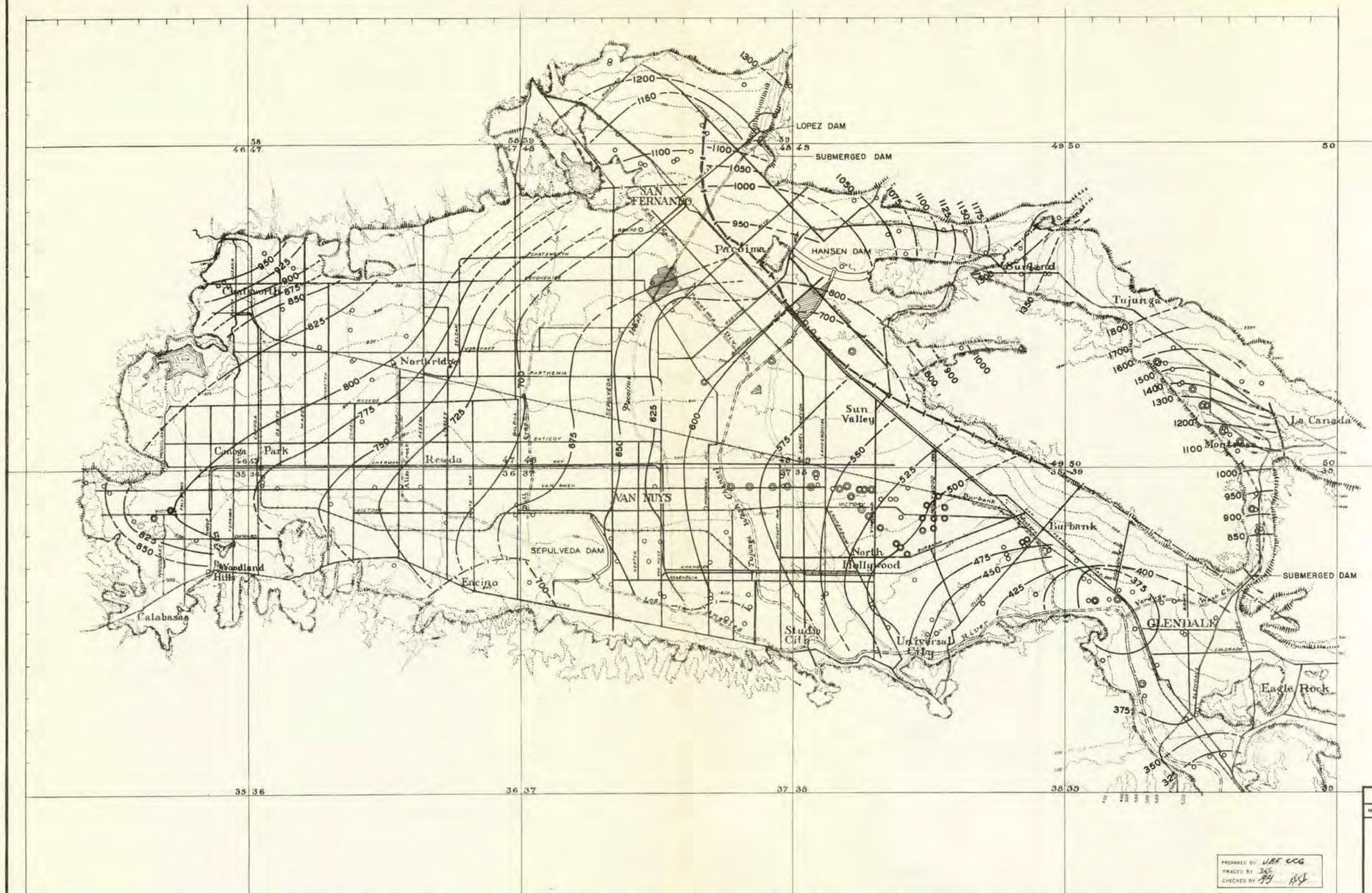
APPROVED BY H.E. Hadley 10/9/57 CHIEF ENGINEER

SUBMITTED BY Stanley B. Lovett CHIEF HYDRAULIC DIVISION

RECOMMENDED BY Paul Kaufman ASSISTANT CHIEF ENGINEER

SCALE	DATE	NO. 19-H57
GRAPHIC	SEPT. 1957	SHEET 1 OF 1

MAP VIII



LEGEND

- ○ Wells within an area representative of average ground water elevations of that area, having comparable depth of hole and elevation of perforation.
- ⊙ Wells as above, except under heavy draught, or affected by heavy draught on nearby wells.
- • Wells which differ from average wells for various reasons, such as artesian characteristics, damaged casing, surface inflow, insufficient data, and erratic fluctuations of water in well.
- ◉ Wells of shallow depth, with perched water indications.

Concrete Channel

Lines of equal free ground water levels or of equal pressures

Ditto,- location approximate

Faults and other barriers to free ground water movement.

Surface Contours

Spreading Grounds

Scale in Miles

F = Flowing Well.

PREPARED BY: JAF UCG
TRACED BY: JAF
CHECKED BY: GG RH

REVISIONS		
MARK	DATE	DESCRIPTION
	JULY 1953	GENERAL (ON BASE)
	NOV. 1954	GENERAL (ON BASE)
	APR. 1955	GENERAL (ON BASE)

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

SAN FERNANDO VALLEY
GROUND WATER CONTOURS
APRIL 1957

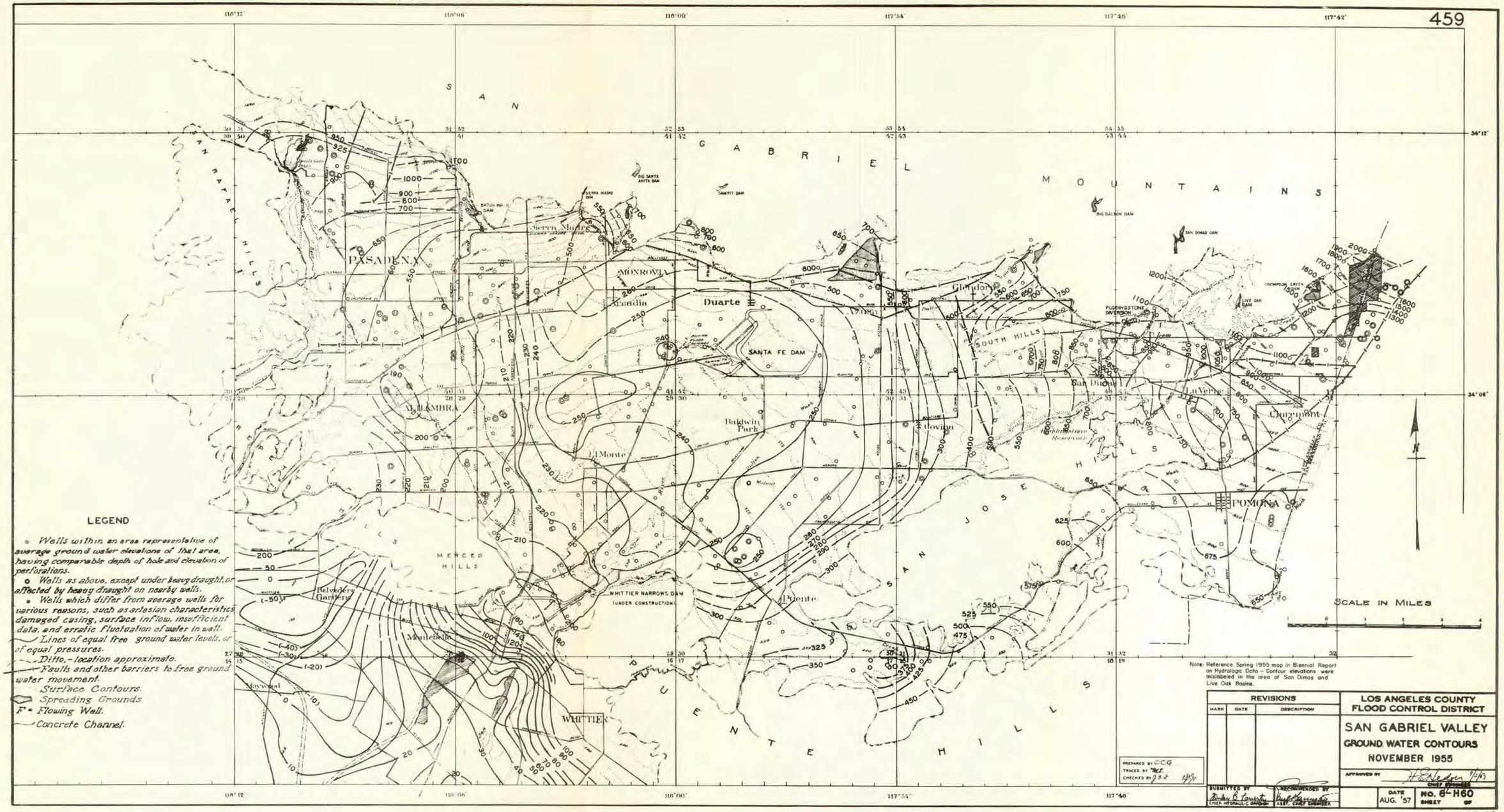
APPROVED BY: H. E. Hollow 10/9/57 CHIEF ENGINEER

SUBMITTED BY: Fred B. Garrett CHIEF HYDRAULIC ENGINEER

RECOMMENDED BY: Paul Famum ASSISTANT CHIEF ENGINEER

SCALE: GRAPHIC | DATE: SEPT. 1957 | NO. 19-H58 SHEET 1 OF 1

MAP IX



LEGEND

- Wells within an area representative of average ground water elevations of that area, having comparable depth of hole and elevation of perforations.
- Wells as above, except under heavy draught, or affected by heavy draught on nearby wells.
- Wells which differ from average wells for various reasons, such as artesian characteristics, damaged casing, surface inflow, insufficient data, and erratic fluctuation of water in well.
- Lines of equal free ground water levels, or of equal pressures.
- Ditto, - location approximate.
- Faults and other barriers to free ground water movement.
- Surface Contours.
- Spreading Grounds
- F = Flowing Well.
- Concrete Channel.

Note: Reference Spring 1955 map in Biennial Report on Hydrologic Data – Contour elevations were mislabeled in the area of San Dimas and Live Oak Basins.

REVISIONS		
MARK	DATE	DESCRIPTION

PREPARED BY CCG
TRACED BY RE
CHECKED BY JSA 4/57

SUBMITTED BY: Wesley B. Lauritz, CHIEF HYDRAULIC DIVISION
RECOMMENDED BY: Paul Kamman, ASST. CHIEF ENGINEER

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

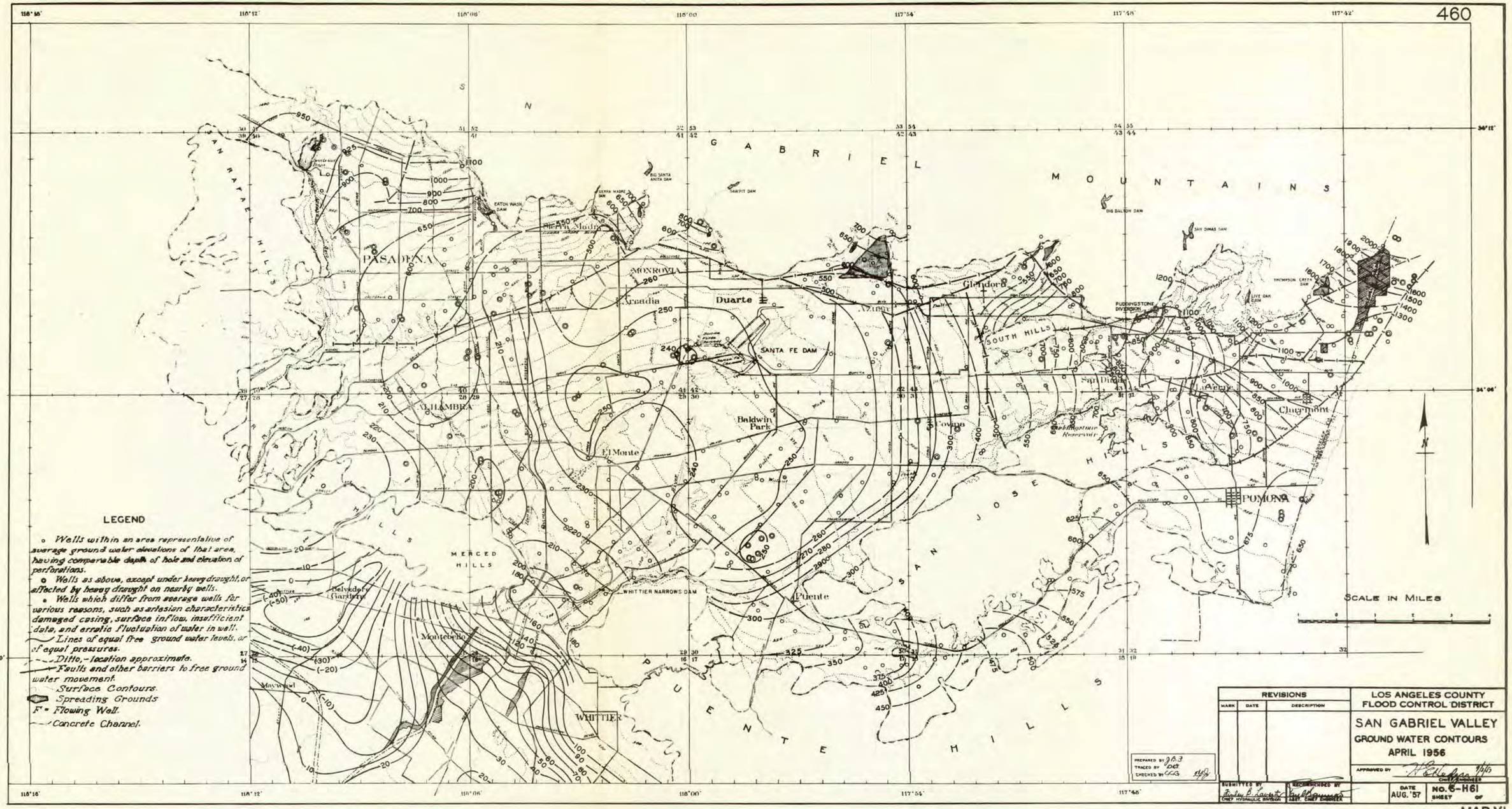
SAN GABRIEL VALLEY GROUND WATER CONTOURS NOVEMBER 1955

APPROVED BY: H. Earl Eden 9/10/57, CHIEF ENGINEER

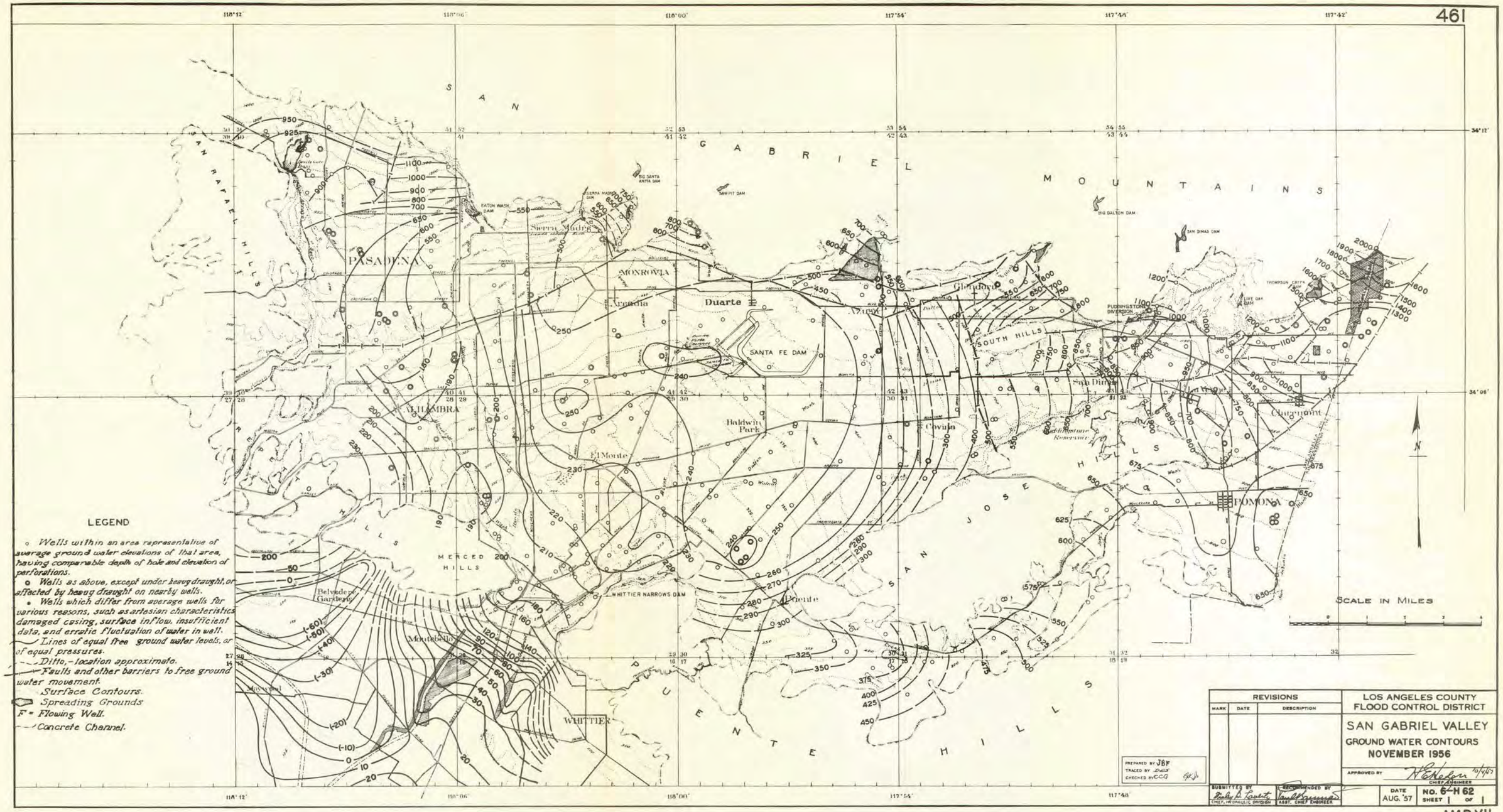
DATE: AUG. '57
NO. 8-H60
SHEET OF

MAP X

460


LEGEND
o Wells within an area representative of average ground water elevations of that area, having comparable depth of hole and elevation of perforations.
o Wells as above, except under heavy draught, or affected by heavy draught on nearby wells.
• Wells which differ from average wells for various reasons, such as artesian characteristics, damaged casing, surface inflow, insufficient data, and erratic fluctuation of water in well.
Lines of equal free ground water levels, or of equal pressures.
Ditto, - location approximate.
Faults and other barriers to free ground water movement.
Surface Contours.
Spreading Grounds
F = Flowing Well.
Concrete Channel.
SAN GABRIEL MOUNTAINS
SAN RAFAEL HILLS
PASADENA
ALHAMBRA
MONROVIA
Arcadia
Duarte
Azusa
Glendora
SOUTH HILLS
San Dimas
Claremont
Baldwin Park
El Monte
Covina
POMONA
SAN JOSE HILLS
MERCED HILLS
Belvedere Gardens
Montebello
Puente
WHITTIER
WHITTIER NARROWS DAM
SANTA FE DAM
PUENTE HILLS
SCALE IN MILES
REVISIONS
MARK DATE DESCRIPTION
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
SAN GABRIEL VALLEY
GROUND WATER CONTOURS
APRIL 1956
APPROVED BY Chief Engineer
DATE AUG. '57
NO. 6-H61
SHEET OF

MAP XI



LEGEND

- Wells within an area representative of average ground water elevations of that area, having comparable depth of hole and elevation of perforations.
- Wells as above, except under heavy draught, or affected by heavy draught on nearby wells.
- Wells which differ from average wells for various reasons, such as artesian characteristics, damaged casing, surface inflow, insufficient data, and erratic fluctuation of water in well.

Lines of equal free ground water levels, or of equal pressures.

Ditto, - location approximate.

Faults and other barriers to free ground water movement.

Surface Contours.

Spreading Grounds

F = Flowing Well.

Concrete Channel.

REVISIONS		
MARK	DATE	DESCRIPTION

PREPARED BY JBF
TRACED BY DAS
CHECKED BY CCG

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

SAN GABRIEL VALLEY
GROUND WATER CONTOURS
NOVEMBER 1956

APPROVED BY H. E. Nelson 10/4/57
CHIEF ENGINEER

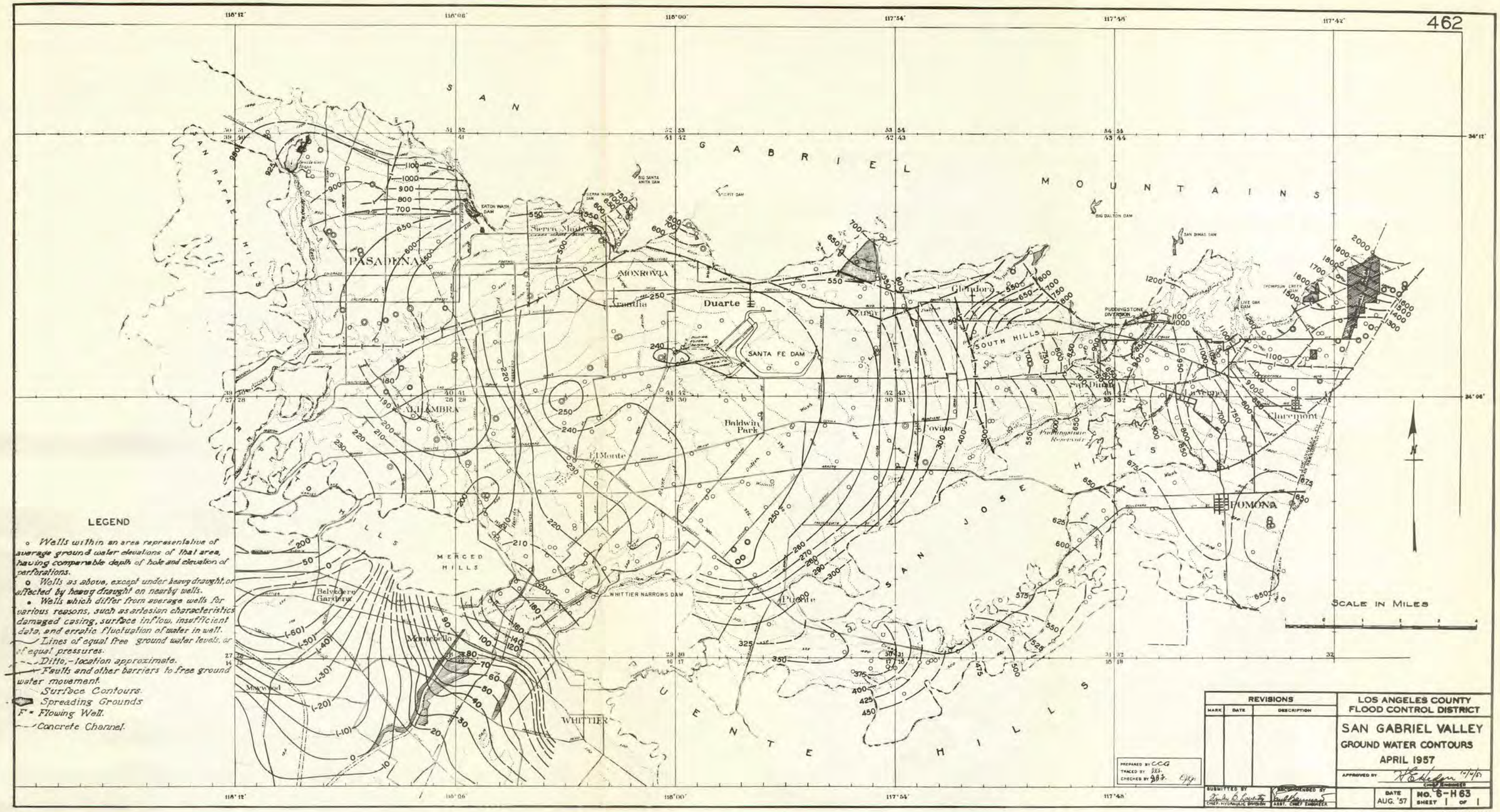
SUBMITTED BY Billy J. Scott, CHIEF, HYDRAULIC DIVISION

RECOMMENDED BY Paul C. Gruenig, ASST. CHIEF ENGINEER

DATE AUG. '57

NO. 6-H 62
SHEET 1 OF 1

MAP XII



LEGEND

- o Wells within an area representative of average ground water elevations of that area, having comparable depth of hole and elevation of perforations.
- o Wells as above, except under heavy draught, or affected by heavy draught on nearby wells.
- • Wells which differ from average wells for various reasons, such as artesian characteristics, damaged casing, surface inflow, insufficient data, and erratic fluctuation of water in well.
- Lines of equal free ground water levels, or of equal pressures.
- Ditto, - location approximate.
- Faults and other barriers to free ground water movement.
- Surface Contours.
- Spreading Grounds
- F = Flowing Well.
- Concrete Channel.

REVISIONS		
MARK	DATE	DESCRIPTION

PREPARED BY CCG
TRACED BY DLS
CHECKED BY [illegible]

SUBMITTED BY Jack B. Lewis, CHIEF HYDRAULIC DIVISION

RECOMMENDED BY Paul Lawrence, ASST. CHIEF ENGINEER

APPROVED BY [signature] 12/4/57, CHIEF ENGINEER

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

SAN GABRIEL VALLEY GROUND WATER CONTOURS APRIL 1957

DATE AUG. '57

NO. 6-H 63

SHEET 1 OF 1

MAP XIII

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.)*

LEGEND

- ○ *Wells within an area representative of average ground water elevations of that area having comparable depth of hole and elevation of perforations.*
- ◎ *Wells as above, except under heavy draft or affected by heavy draft on nearby wells.*
- ● *Wells which differ from average wells for various reasons, such as artesian characteristics, damaged casing, surface inflow, insufficient data and erratic fluctuations of water in well.*
- ◉ *Wells of shallow depth with perched water indications.*
- ——— *Lines of equal free ground water levels or of equal pressures.*
- – – – *Ditto --- location approximate.*
- —|—|— *Geologic Fault (may locally act as a barrier to ground water movement.)*
- ----- *Approximate line marking transition from free ground water levels to ground water pressure levels. (Limit north of barriers D.W.R. Bull. Nº 45, 1933; south of barriers U.S.G.S. 1947)*
- *Los Angeles County Flood Control District Spreading Grounds.*
- *Surface contours.*
- *f Flowing well.*

Note - *Numbers adjacent to some wells indicates elevation of water surface. All elevations in feet, U.S.G.S. datum.*

IMPORTANT NOTE: As compared to maps prepared for periods prior to the Fall of 1953, which did not designate aquifers, this map is based on the levels in the shallow aquifers segregated from the deep aquifers; this segregation being made necessary by a record differential lowering of ground-water levels and/or pressures. Contours shown are for the principal shallow and/or merged producing aquifers only while the previous maps showed composite contours for combined shallow and deep aquifers.

SCALE IN MILES

0 1 2 3 4 5

REVISIONS		
MARK	DATE	DESCRIPTION
★	11-13-57	(-30) & (-40) contours
★★	11-13-57	+2, 0, (-10) & (-20) contours
★★★	11-13-57	150 to 300 contours

PREPARED BY J.B.F. / C.C.G.
TRACED BY BS, MRJ
CHECKED BY B.S.L. / C.H.J.

SUBMITTED BY: Emley B. Lewis, Chief Hydraulic Division
RECOMMENDED BY: Paul Baumann, Assistant Chief Engineer

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

COASTAL PLAIN
GROUND WATER CONTOURS
SHALLOW AQUIFER
NOVEMBER 1955

APPROVED BY H.E. Hedger 3/7/57

SCALE	DATE	NO. 2-H 128
GRAPHIC	FEB. 57	SHEET OF

MAP XIV

REVISIONS		
MARK	DATE	DESCRIPTION
★	11-13-57	(-30) & (-40) contours
★★	11-13-57	+2, 0, (-10) & (-20) contours
★★★	11-13-57	150 to 300 contours

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

COASTAL PLAIN GROUND WATER CONTOURS SHALLOW AQUIFER APRIL, 1956

APPROVED BY H. A. Redner 3/5/58 CHIEF ENGINEER

SUBMITTED BY Finley B. Laverty CHIEF HYDRAULIC DIVISION

RECOMMENDED BY Paul Hansen ASSISTANT CHIEF ENGINEER

SCALE GRAPHIC | DATE FEB. 1957 | NO. 2-H 129 SHEET OF

PREPARED BY CCG TRACED BY ML CHECKED BY EJL (EJL)

MAP XV

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.)

LEGEND

- ○ *Wells within an area representative of average ground water elevations of that area having comparable depth of hole and elevation of perforations.*
- ◎ *Wells as above, except under heavy draught or affected by heavy draugh on nearby wells.*
- • *Wells which differ from average wells for various reasons, such as artesian characteristics, damaged casing, surface inflow, insufficient data and erratic fluctuations of water in well.*
- ◉ *Wells of shallow depth with perched water indications.*
- ——— *Lines of equal free ground water levels or of equal pressures.*
- — — *Ditto---location approximate.*
- —|—|— *Geologic Fault (may locally act as a barrier to ground water movement.)*
- ----- *Approximate line marking transition from free ground water levels to ground water pressure levels. (Limit north of barriers D.W.R. Bull. Nº 45, 1933; south of barriers U.S.G.S. 1947)*
- ▨ *Los Angeles County Flood Control District Spreading Grounds.*
- *Surface contours.*
- F *Flowing well.*

Note - Numbers adjacent to some wells indicates elevation of water surface. All elevations in feet, U.S.G.S. datum.

IMPORTANT NOTE: As compared to maps prepared for periods prior to the Fall of 1953, which did not designate aquifers, this map is based on the levels in the shallow aquifers segregated from the deep aquifers; this segregation being made necessary by a record differential lowering of ground-water levels and/or pressures. Contours shown are for the principal shallow and/or merged producing aquifers only while the previous maps showed composite contours for combined shallow and deep aquifers.

SCALE IN MILES

0 1 2 3 4 5

PREPARED BY EGH
TRACED BY EGH
CHECKED BY CCG & AJS

REVISIONS		
MARK	DATE	DESCRIPTION

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

COASTAL PLAIN
GROUND WATER CONTOURS SHALLOW AQUIFER NOVEMBER, 1956

APPROVED BY H.E. Hedger 9/24/57

SUBMITTED BY Finley J. Laverty, CHIEF HYDRAULIC ENGINEER

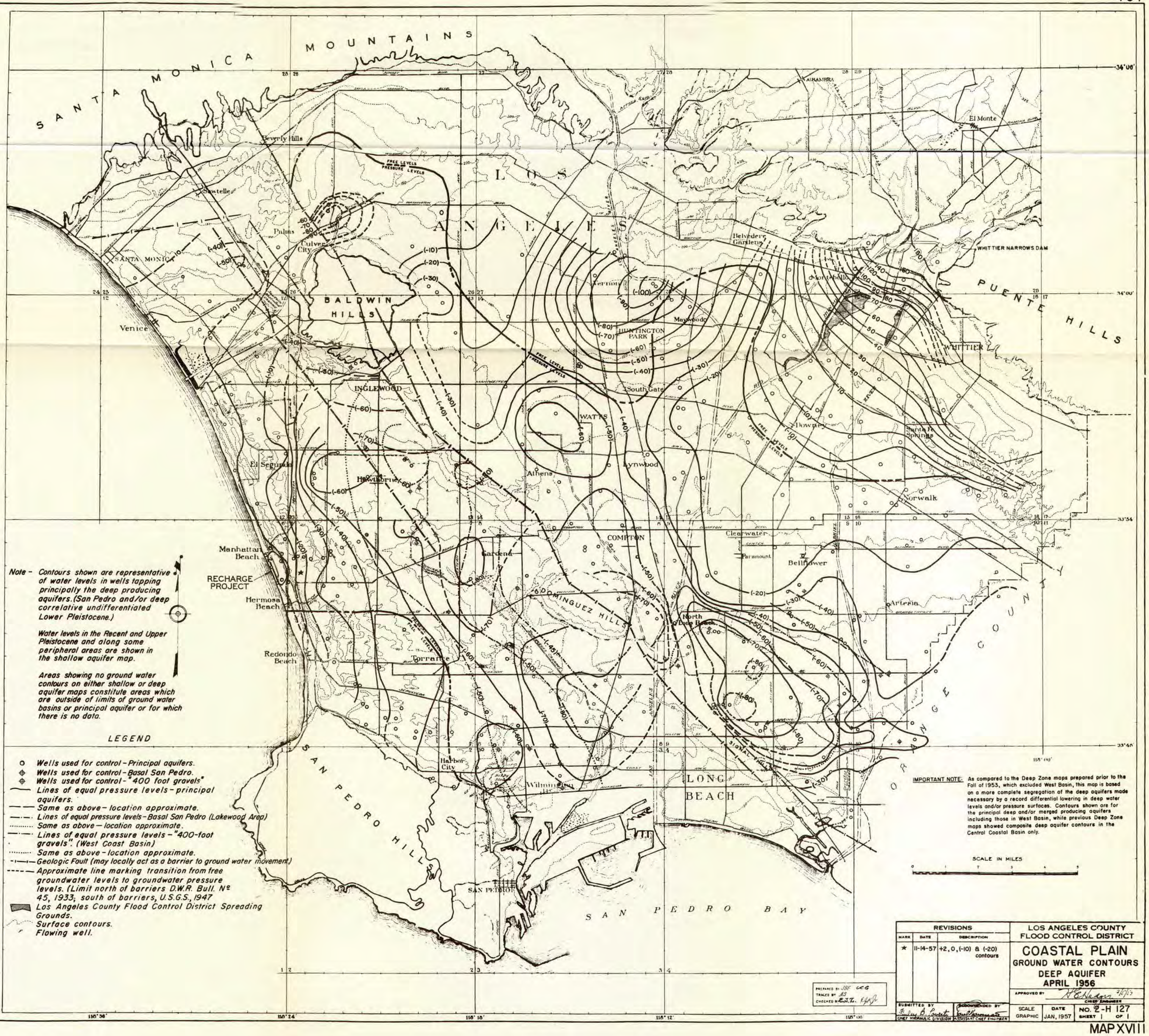
RECOMMENDED BY Paul Brunner, ASSISTANT CHIEF ENGINEER

SCALE	DATE	NO. 2-H130
GRAPHIC	OCT 1957	SHEET 1 OF 1

MAPXVI

SANTA MONICA MOUNTAINS
LOS ANGELES
ANGELES
BALDWIN HILLS
PUENTE HILLS
SAN PEDRO HILLS
DOMINGUEZ HILLS
SANTA MONICA
Venice
Beverly Hills
Culver City
Palms
Vernon
Belvedere Gardens
Montebello
WHITTIER NARROWS DAM
El Monte
Maywood
HUNTINGTON PARK
WHITTIER
INGLEWOOD
South Gate
WATTS
Downey
Santa Fe Springs
El Segundo
Hawthorne
Athens
Lynwood
Norwalk
Manhattan Beach
Gardena
COMPTON
Clearwater
Paramount
Bellflower
Artesia
RECHARGE PROJECT
Hermosa Beach
Redondo Beach
Torrance
North Long Beach
Harbor City
Wilmington
LONG BEACH
SAN PEDRO
SAN PEDRO BAY
ORANGE COUNTY
Free Levels Pressure Levels
Pressure Levels Free Levels
34°08'
34°00'
33°54'
33°46'
118°00'
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.)
LEGEND
Wells within an area representative of average ground water elevations of that area having comparable depth of hole and elevation of perforations.
Wells as above, except under heavy draught or affected by heavy drough on nearby wells.
Wells which differ from average wells for various reasons, such as artesian characteristics, damaged casing, surface inflow, insufficient data and erratic fluctuations of water in well.
Wells of shallow depth with perched water indications.
Lines of equal free ground water levels or of equal pressures.
Ditto---location approximate.
Geologic Fault (may locally act as a barrier to ground water movement.)
Approximate line marking transition from free ground water levels to ground water pressure levels. (Limit north of barriers D.W.R. Bull. Nº 45, 1933; south of barriers U.S.G.S. 1947)
Los Angeles County Flood Control District Spreading Grounds.
Surface contours.
Flowing well.
Note- Numbers adjacent to some wells indicates elevation of water surface. All elevations in feet, U.S.G.S. datum.
IMPORTANT NOTE: As compared to maps prepared for periods prior to the Fall of 1953, which did not designate aquifers, this map is based on the levels in the shallow aquifers segregated from the deep aquifers; this segregation being made necessary by a record differential lowering of ground-water levels and/or pressures. Contours shown are for the principal shallow and/or merged producing aquifers only while the previous maps showed composite contours for combined shallow and deep aquifers.
SCALE IN MILES
PREPARED BY ECH
TRACED BY ECH
CHECKED BY CCR & BHJr.
REVISIONS
MARK | DATE | DESCRIPTION
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
COASTAL PLAIN
GROUND WATER CONTOURS
SHALLOW AQUIFER
APRIL, 1957
APPROVED BY H.E. Hedger 4/24/57
CHIEF ENGINEER
SUBMITTED BY Burke A. Rowett CHIEF HYDRAULIC DIVISION
RECOMMENDED BY Paul Hansen ASSISTANT CHIEF ENGINEER
SCALE GRAPHIC
DATE OCT 1957
NO. 2-H131
SHEET 1 OF 1

MAP XVII



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.

LEGEND

- *Wells used for control - Principal aquifers.*
- *Wells used for control - Basal San Pedro.*
- *Wells used for control - "400 foot gravels"*
- *Lines of equal pressure levels - principal aquifers.*
- *Same as above - location approximate.*
- *Lines of equal pressure levels - Basal San Pedro (Lakewood Area)*
- *Same as above - location approximate.*
- *Lines of equal pressure levels - "400-foot gravels". (West Coast Basin)*
- *Same as above - location approximate.*
- *Geologic Fault (may locally act as a barrier to ground water movement)*
- *Approximate line marking transition from free groundwater levels to groundwater pressure levels. (Limit north of barriers D.W.R. Bull. Nº 45, 1933; south of barriers, U.S.G.S., 1947*
- *Los Angeles County Flood Control District Spreading Grounds.*
- *Surface contours.*
- *Flowing well.*

IMPORTANT NOTE: As compared to the Deep Zone maps prepared prior to the Fall of 1953, which excluded West Basin, this map is based on a more complete segregation of the deep aquifers made necessary by a record differential lowering in deep water levels and/or pressure surfaces. Contours shown are for the principal deep and/or merged producing aquifers including those in West Basin, while previous Deep Zone maps showed composite deep aquifer contours in the Central Coastal Basin only.

SCALE IN MILES

REVISIONS		
MARK	DATE	DESCRIPTION
★	11-14-57	+2, 0, (-10) & (-20) contours

PREPARED BY JBF CG
TRACED BY AS
CHECKED BY E.J.L. EJK

SUBMITTED BY Finley B. Laverty, CHIEF HYDRAULIC DIVISION

RECOMMENDED BY Paul Thomas, ASSISTANT CHIEF ENGINEER

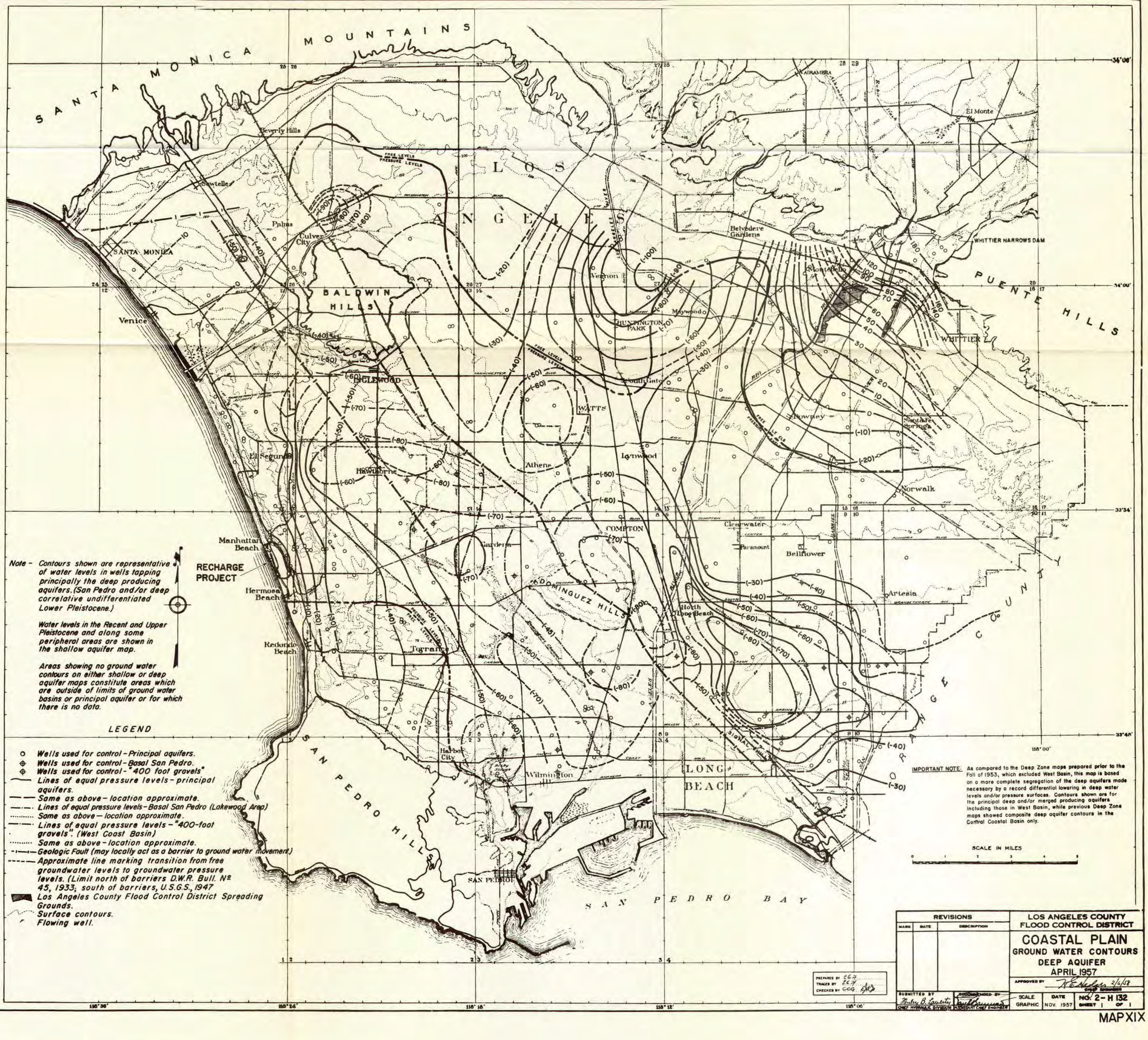
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

COASTAL PLAIN
GROUND WATER CONTOURS
DEEP AQUIFER
APRIL 1956

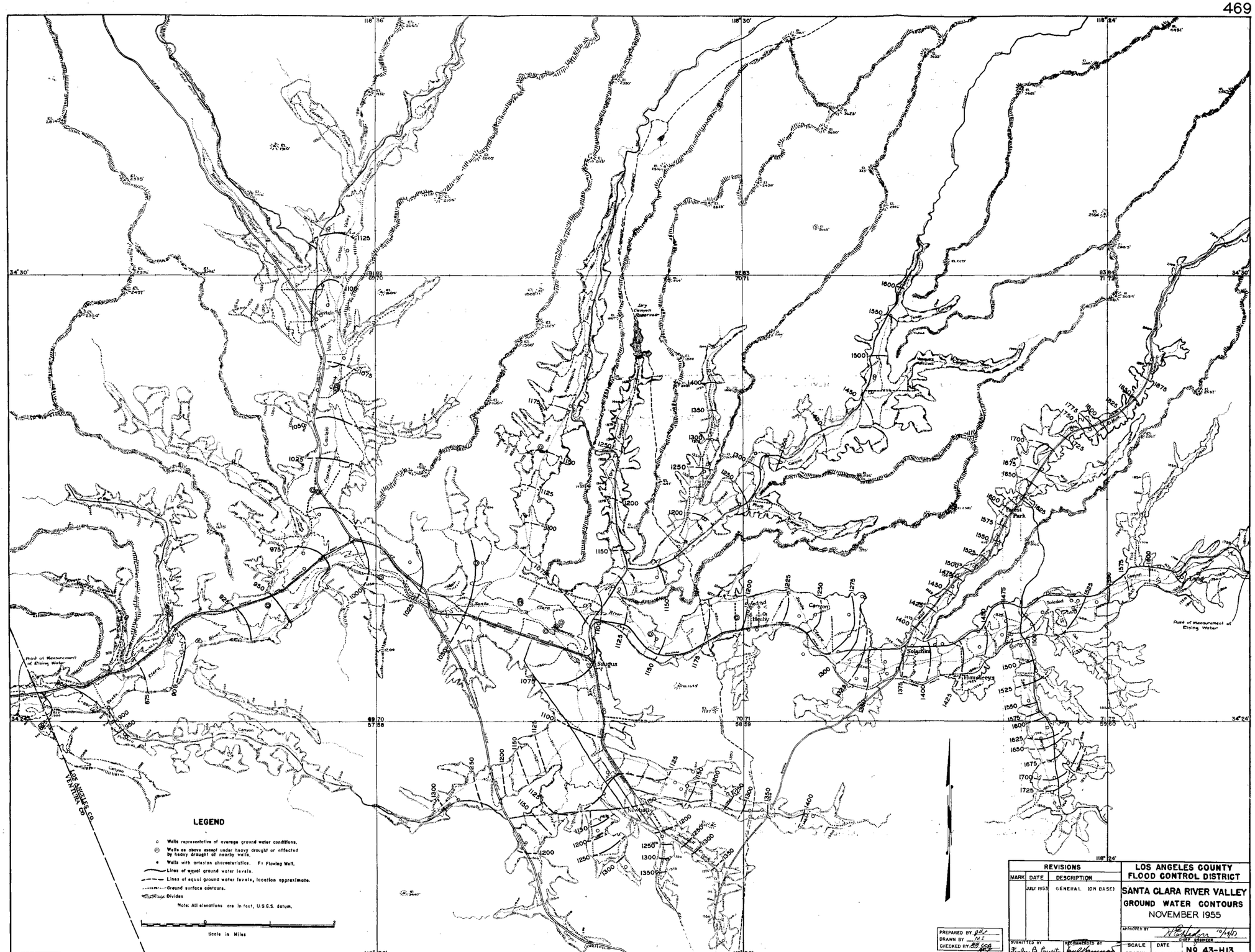
APPROVED BY H.E. Hasen, CHIEF ENGINEER 2/5/58

SCALE	DATE	NO. 2-H 127
GRAPHIC	JAN, 1957	SHEET 1 OF 1

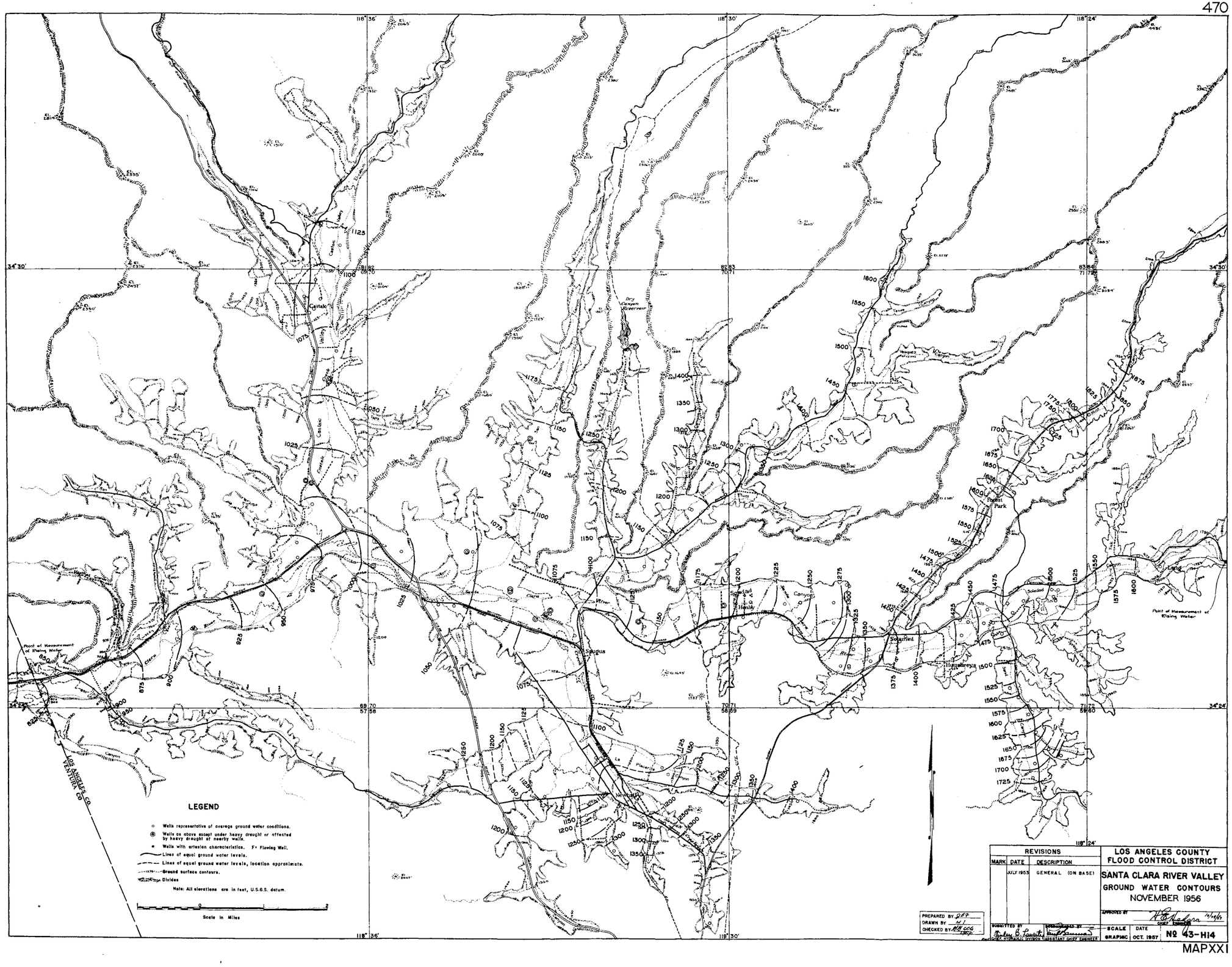
MAP XVIII


SANTA MONICA MOUNTAINS
LOS ANGELES
BALDWIN HILLS
PUENTE HILLS
DOMINGUEZ HILLS
SAN PEDRO HILLS
SAN PEDRO BAY
LONG BEACH
ORANGE COUNTY
SANTA MONICA
Venice
Beverly Hills
Culver City
Palms
Inglewood
El Segundo
Hawthorne
Manhattan Beach
Hermosa Beach
Redondo Beach
Torrance
Harbor City
Wilmington
SAN PEDRO
Watts
Athens
Gardena
Compton
Lynwood
South Gate
Vernon
Maywood
Huntington Park
Alhambra
El Monte
Belvedere Gardens
Montebello
Whittier
Whittier Narrows Dam
Pico Rivera
Santa Fe Springs
Downey
Norwalk
Clearwater
Paramount
Bellflower
Artesia
North Long Beach
Signal Hill
RECHARGE PROJECT
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.
LEGEND
Wells used for control - Principal aquifers.
Wells used for control - Basal San Pedro.
Wells used for control - "400 foot gravels"
Lines of equal pressure levels - principal aquifers.
Same as above - location approximate.
Lines of equal pressure levels - Basal San Pedro (Lakewood Area)
Same as above - location approximate.
Lines of equal pressure levels - "400-foot gravels". (West Coast Basin)
Same as above - location approximate.
Geologic Fault (may locally act as a barrier to ground water movement)
Approximate line marking transition from free groundwater levels to groundwater pressure levels. (Limit north of barriers D.W.R. Bull. Nº 45, 1933; south of barriers, U.S.G.S., 1947
Los Angeles County Flood Control District Spreading Grounds.
Surface contours.
Flowing well.
IMPORTANT NOTE: As compared to the Deep Zone maps prepared prior to the Fall of 1953, which excluded West Basin, this map is based on a more complete segregation of the deep aquifers made necessary by a record differential lowering in deep water levels and/or pressure surfaces. Contours shown are for the principal deep and/or merged producing aquifers including those in West Basin, while previous Deep Zone maps showed composite deep aquifer contours in the Central Coastal Basin only.
SCALE IN MILES
34°08'
34°00'
33°54'
33°46'
118°30'
118°24'
118°18'
118°12'
118°06'
REVISIONS
MARK DATE DESCRIPTION
PREPARED BY EGJ
TRACED BY EGJ
CHECKED BY CCG
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
COASTAL PLAIN
GROUND WATER CONTOURS
DEEP AQUIFER
APRIL 1957
APPROVED BY H.E. Hedges 2/6/58 CHIEF ENGINEER
SUBMITTED BY Finley B. Laverty CHIEF HYDRAULIC DIVISION
RECOMMENDED BY Paul Hamman ASSISTANT CHIEF ENGINEER
SCALE GRAPHIC
DATE NOV. 1957
NO. 2-H 132
SHEET 1 OF 1

MAPXIX


LEGEND
Wells representative of average ground water conditions.
Wells as above except under heavy drought or affected by heavy drought of nearby wells.
Wells with artesian characteristics. F= Flowing Well.
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
LOS ANGELES CO
VENTURA CO
Point of Measurement of Rising Water
Saugus
Newhall
Soledad
Canyon
Henby
Solemint
Elsmere Canyon
Point of Measurement of Rising Water
118° 36'
118° 30'
118° 24'
34° 30'
34° 24'
PREPARED BY
DRAWN BY
CHECKED BY
REVISIONS
MARK | DATE | DESCRIPTION
JULY 1955 GENERAL (ON BASE)
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
SANTA CLARA RIVER VALLEY
GROUND WATER CONTOURS
NOVEMBER 1955
APPROVED BY
CHIEF ENGINEER
SUBMITTED BY
CHIEF HYDROLOGIC DIVISION
RECOMMENDED BY
ASSISTANT CHIEF ENGINEER
SCALE GRAPHIC
DATE OCT. 1957
No 43-H13

MAPXX



REVISIONS			LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
MARK	DATE	DESCRIPTION	
	JULY 1953	GENERAL (ON BASE)	SANTA CLARA RIVER VALLEY GROUND WATER CONTOURS NOVEMBER 1956

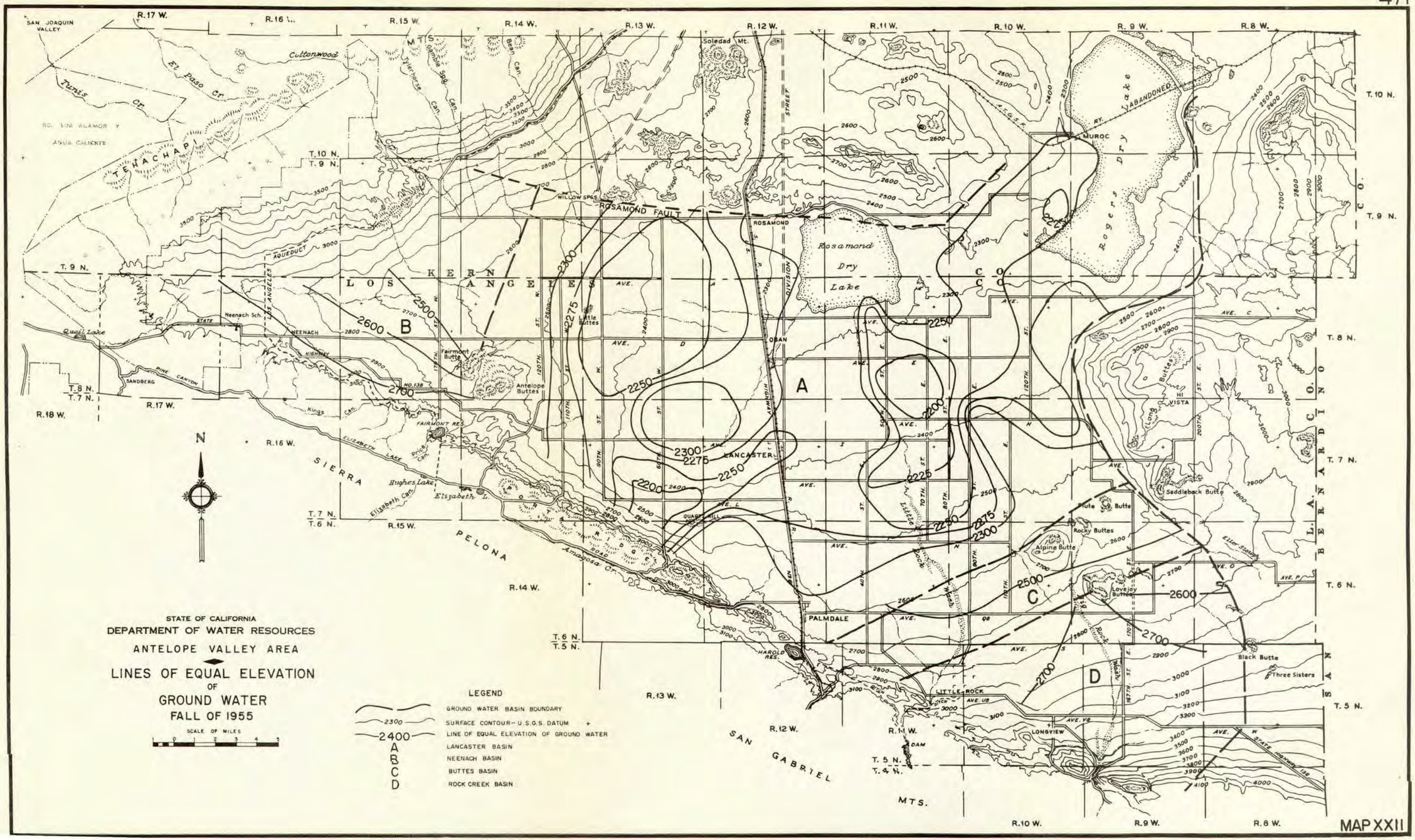
PREPARED BY DFP
DRAWN BY MJ
CHECKED BY RWG

APPROVED BY _____ 11/26/56
CHIEF ENGINEER

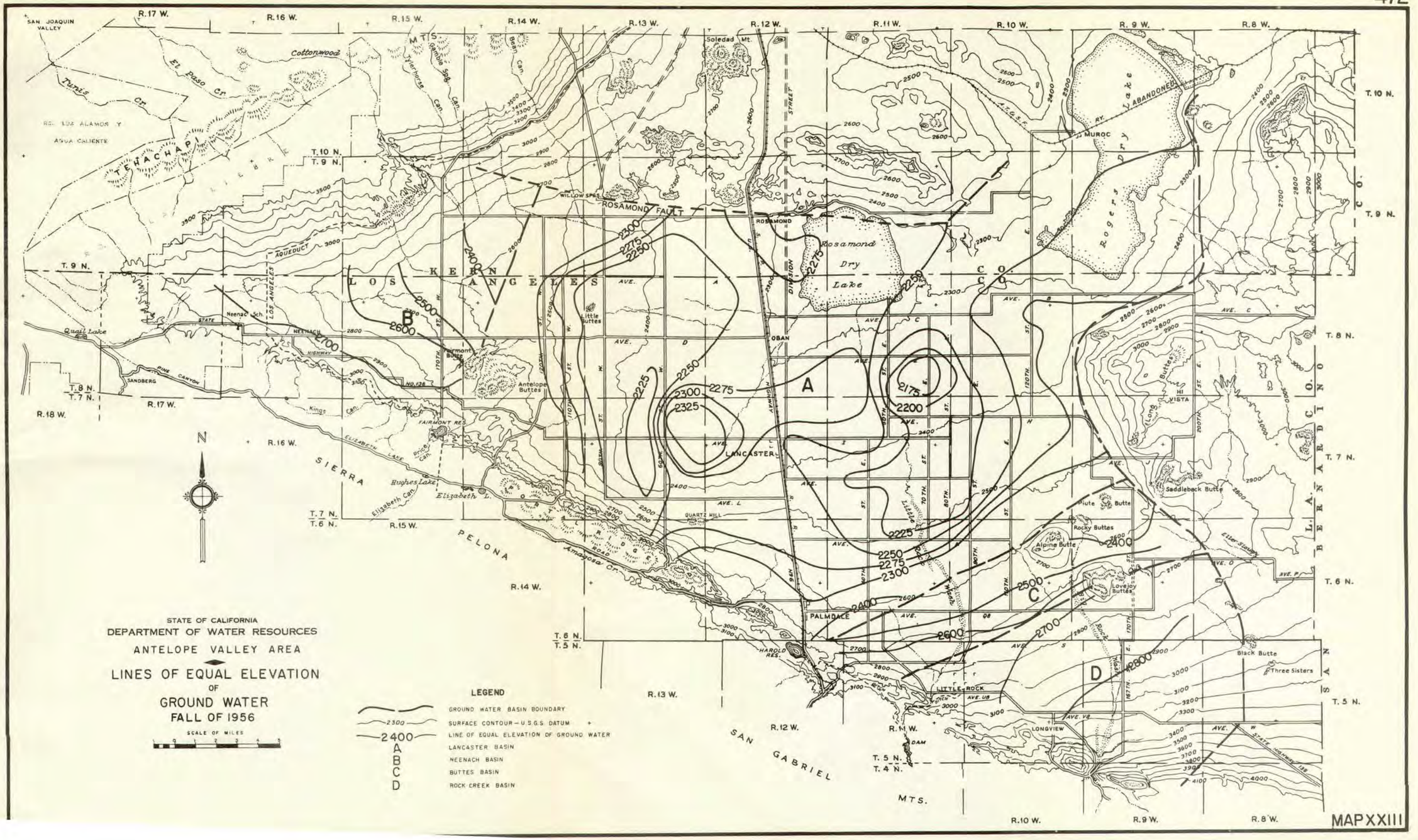
SUBMITTED BY _____ RECOMMENDED BY _____
ASSISTANT DIVISION ENGINEER ASSISTANT CHIEF ENGINEER

SCALE GRAPHIC | DATE OCT. 1957 | Nº 43-H14

MAPXXI


STATE OF CALIFORNIA
DEPARTMENT OF WATER RESOURCES
ANTELOPE VALLEY AREA
LINES OF EQUAL ELEVATION
OF
GROUND WATER
FALL OF 1955
SCALE OF MILES
0 1 2 3 4 5
LEGEND
GROUND WATER BASIN BOUNDARY
2300 SURFACE CONTOUR—U.S.G.S. DATUM +
2400 LINE OF EQUAL ELEVATION OF GROUND WATER
A LANCASTER BASIN
B NEENACH BASIN
C BUTTES BASIN
D ROCK CREEK BASIN
N
R.17 W.
R.16 W.
R.15 W.
R.14 W.
R.13 W.
R.12 W.
R.11 W.
R.10 W.
R.9 W.
R.8 W.
R.18 W.
T.10 N.
T.9 N.
T.8 N.
T.7 N.
T.6 N.
T.5 N.
T.4 N.
LOS ANGELES
KERN
SAN BERNARDINO CO.
SIERRA PELONA MTS.
SAN GABRIEL MTS.
TEHACHAPI MTS.
Rosamond Dry Lake
Rogers Dry Lake
ROSAMOND FAULT
WILLOW SPGS.
ROSAMOND
MUROC
OSAN
LANCASTER
PALMDALE
LITTLE ROCK
LONGVIEW
HI VISTA
Neenach Sch.
NEENACH
Quail Lake
Fairmont Butte
Little Buttes
Antelope Buttes
FAIRMONT RES.
Hughes Lake
Elizabeth Lake
Elizabeth Cañ.
Kings Cañ.
Price Cañ.
Quartz Hill
Saddleback Butte
Flute Butte
Rocky Buttes
Alpine Butte
Love Joy Buttes
Black Butte
Three Sisters
HAROLD RES.
DAM
A
B
C
D
2200
2225
2250
2275
2300
2500
2600
2700

MAP XXII



STATE OF CALIFORNIA
DEPARTMENT OF WATER RESOURCES
ANTELOPE VALLEY AREA

LINES OF EQUAL ELEVATION OF GROUND WATER FALL OF 1956

SCALE OF MILES
0 1 2 3 4 5

LEGEND

- GROUND WATER BASIN BOUNDARY
- 2300 — SURFACE CONTOUR — U.S.G.S. DATUM
- 2400 — LINE OF EQUAL ELEVATION OF GROUND WATER
- A — LANCASTER BASIN
- B — NEENACH BASIN
- C — BUTTES BASIN
- D — ROCK CREEK BASIN

MAP XXIII