LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

BIENNIAL REPORT
ON
HYDROLOGIC DATA

SEASONS OF 1949-50 AND 1950-51

AUGUST 1, 1952

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

HYDRAULIC DIVISION

REPORT TO H. E. HEDGER, CHIEF ENGINEER

BIENNIAL REPORT

ON

HYDROLOGIC DATA

SEASONS 1949-50 AND 1950-51

PAUL BAUMANN, ASSISTANT CHIEF ENGINEER
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AUGUST 1, 1952

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

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August 1, 1952

FILE NO. 2-20
SUBJECT Biennial Report on Hydrologic Data Seasons of 1949-50 and 1950-51

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 1949-50 and 1950-51. This report is the eighteenth of a series of annual or biennial reports which have been published covering twenty-four years of record.

This report includes data collected and compiled by the District's Hydraulic Division on precipitation, evaporation, runoff, dam operation, ground water 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 cannot be overestimated due to its widespread use by the District 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

August 1, 1952

2-20
Biennial Report on
Hydrologic Data
Seasons of 1949-50
and 1950-51

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 1949-50 and 1950-51. 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 monthly records of 462 stations in 1949-50 and 469 stations in 1950-51, of which 97% and 96%, respectively, furnished complete seasonal records. Three hundred fifteen stations have a continuous record for fifteen years or longer, of which 26 stations have a continuous record for over fifty years.

Intensity records were obtained from 112 recording rain gages. Comparative intensities of rainfall for periods varying from five minutes to 24 hours and including storm totals and maximum intensities of record for ten representative stations are included in this report.

The present period of below normal precipitation, which began in October 1944, continued through the 1950-51 season, making seven consecutive years of below normal rainfall. This exceeds all previous similar periods of below normal precipitation, during the 79 years of record by two seasons. The seasons 1949-50 and 1950-51 were 64% and 42% of normal, respectively, for the County. No major storms were experienced, although precipitation of a .01 of an inch or more fell on 26 days in 1949-50, and 31 days in 1950-51.

Seasonal rainfall distribution throughout the County is shown by the following relation to the 75-year normal indices for four areas of the County:

	% of Normal 1949-50	1950-51
1. San Gabriel Mt. Area	63	41
2. Valley and Coastal Plain	69	52
3. Santa Monica Mts.	75	54
4. Desert Area	59	34

Snow surveys conducted about April 1, both seasons, showed the minimum snow pack recorded since the District started making these surveys in 1939. The total seasons' accumulative snowfall at Big Pines Recreation Camp was 69 inches in 1949-50, and 70 inches in 1950-51; this is 39 percent of the maximum season amount recorded in 1943-44. Seasonal amounts of snowfall for three representative mountain locations are also included in this report.

Evaporation records were received each month from 22 stations in 1949-50, and 21 stations in 1950-51. Amounts varied from a maximum of 99.03 inches at Palmdale, to a minimum of 28.24 inches at the District's Puente Hills station in 1950-51.

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

During 1949-50 and 1950-51, the District operated 79 recording stream flow stations located on the main streams and tributary channels. Twenty-seven of these stations are in the Los Angeles River drainage area, 22 are in the San Gabriel River drainage area, and 17 are located in the Rio Hondo drainage area. Records obtained from these stations are supplemented by the records of the 13 stations operated by the U. S. Geological Survey, Water Resources Branch, and 2 stations operated by the Survey in cooperation with the Los Angeles District, Corps of Engineers, which 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 several stations from the Corps of Engineers.

Seasonal runoff and storm flows were unusually low. The San Gabriel River, near Azusa, in September, 1951, was the lowest in its 56 years of record; however, the 1898-99 season produced less runoff for this stream than the 1950-51 season which was second in order of dryness.

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 87,818 acre feet at spillway lip elevation.

Two tabulations giving pertinent data for the seasons for four debris dams and 25 debris basins, owned and operated by the District, are included in this report.

Reclamation of storage capacity in District reservoirs and debris basins during these seasons, obtained by sluicing and excavation operations, amounted to 28,758 cubic yards in 1949-50, and 291,038 cubic yards in 1950-51.

Water conservation and collection of ground water data continued as an important phase of the work of the District due to the increased draft upon various underground basins. Cooperative studies of serious ground water depletion in a few basins and contamination from industrial wastes are being continued. Included in this report are ground water maps of the several primary basins showing approximate high and low seasonal ground water conditions. These maps are compiled from data taken in more than 1,500 well during the annual spring and fall well measurements.

Key well measurements taken monthly by the District were reduced to the form of hydrographs and 12 of these have been included in the report to show the fluctuations in the more important basins.

The study of potential pollution of surface and ground waters by industrial wastes continued as an important part of the Division's work. The studies on the possible conservation of sewage effluents, which were initiated in 1948, will be continued. The Division also prepared numerous studies and preliminary designs for the correlation of conservation facilities with Federal flood control improvements.

Under A. B. No. 2712 (signed by the Governor on July 12, 1951), which appropriated $750,000 for sea water intrusion studies, the State Water Resources Board allocated $450,000 for an experimental project in Manhattan Beach. The Board entered a contract (to become effective on October 1, 1951) with the District for installation and operation of the experiment.

The amendment of the Flood Control Act, by A. B. No. 129, made it possible to institute proceedings for the formation of water conservation zones. The first effort to form Zone 1 failed due to protests registered by municipalities lying within the proposed zone. Further amendment of the Act by A. B. No. 2041 (signed by the Governor on June 11, 1951), eliminated the original objections and the formation of Zone 1 has been reinitiated.

Additional development, which is now in progress at the San Gabriel Spreading Grounds and the completion of 9 basins at Santa Anita Wash, will add approximately 30 acres to the present spreading grounds area, making a total of over 2,300 acres in both District owned and cooperative spreading grounds with a percolating capacity of over 1,400 c.f.s.

In spreading grounds throughout the County, 18,080 acre feet of water were conserved during the period of this report. Of this amount, 16,868 acre feet went into spreading grounds owned and operated by the District, or in the operation and maintenance of which the Districts cooperates. Absorption of water in various streams, channels, and reservoirs amounted to 63,301 acre feet during the period of this report.

Water conservation of 13,654 acre feet in 1949–50, and 4,426 acre feet in 1950–51 was effected by off-channel spreading grounds. A total run-off of 67,230 acre feet in 1949–50 and 56,880 acre feet in 1950–51 wasted into the ocean, as measured on Coyote Creek at Del Amo Street, on the San Gabriel River at Spring Street, on the Los Angeles River at State Street, and on Ballona Creek at Sawtelle Boulevard. Most of this waste originated from rainfall on the paved and clay capped areas of the Coastal Plain.

We wish to thank the many individuals and agencies who have cooperated by furnishing an appreciable part of the precipitation data and other records included in this report.

Respectfully submitted,

Finley B. Laverty

Finley B. Laverty
Chief - Hydraulic Division

Recommended

Paul Baumann
Assistant Chief Engineer

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F81D-R	ALHAMBRA WASH	near Klingerman Street .
F152-R	ALISO WASH	at Nordhoff Street . . .
U1-R	ARROYO SECO	above Mouth of Canyon . .
P277-R	ARROYO SECO	below Devil's Gate Dam .
F294R	BALLONA CREEK	at Sepulveda Boulevard .
F38B-R	BALLONA CREEK	at Sawtelle Boulevard . .
F293-R	BALLONA CREEK	below Culver Boulevard .
F282-R	BALLONA CREEK	at Pacific Avenue . . . .
F120B-R	BIG DALTON CREEK	below Big Dalton Dam . .
U9-R	BIG DALTON CREEK	near Mouth of Canyon . .
F274-R	BIG DALTON WASH	at Merced Avenue . . . .
F111C-R	BIG TUJUNGA CREEK	below Mill Creek . . . .
F111B-R	BIG TUJUNGA CREEK	above Edison Road . . . .
F168-R	BIG TUJUNGA CREEK	below Big Tujunga Dam . .
F213-R	BIG TUJUNGA CREEK	above Gold Canyon . . . .
E286-R	TUJUNGA WASH	below Hansen Dam . . . .
F20B-R	TUJUNGA WASH	at Glen Oaks Boulevard .

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F41C-R	COYOTE CREEK	at Del Amo Street	97
F283-R	DOMINGUEZ CHANNEL	at Rosecrans Street	99
F210-R	DOMINGUEZ CHANNEL	at Harbor Boulevard	99
F265-R	DOMINGUEZ CHANNEL	at Carson Boulevard	100
F53-R	DUME CREEK	at Roosevelt Highway	103
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PRECIPITATION

FOREWORD

This report, which contains precipitation data for the seasons 1949-50 and 1950-51, presents the twenty-second and twenty-third of similar seasonal reports in summarized form. It is published to provide current basic data for reference and to inform interested public and private agencies and individuals of further precipitation 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 with the water year used by the United States Geological Survey, Water Resources Branch.

SUMMARY

SEASON 1949-50

Seasonal precipitation in Los Angeles County for the sixth consecutive season was below normal. The County average of 10.65 inches for the 1949-50 season was 64% of the 75-year normal. The season's precipitation, as compared with the 75-year normal for various representative stations, is shown in the tabulation under "Comparative Rainfall" on page 10.

The drought which continued through the 1949-50 season was the longest period of deficient rainfall during the past 78 years of record at Los Angeles.

Snow surveys made about the first of April, showed a minimum average depth of snow as measured during the past eleven years of record in the San Antonio Canyon drainage area and the past six years of record in the Big Rock Creek drainage area.

Relatively high intensity rain fell in November 1949 following the period of high temperatures. In October 1949, temperatures were as low as 29° F, and in December 1949, temperatures were recorded to as low as 22° F. There were no major storms during the 1949-50 season.

Isohyetals for the 1949-50 season are shown on map I , page 35.

Precipitation of 0.01 inch or more fell on 27 days at Opid's (Camp Hi Hill) in the mountains, and on 26 days at Los Angeles in the valley.

SEASON 1950-51

The seasonal precipitation in Los Angeles County was below normal for the seventh consecutive season, thus prolonging the longest period of deficient rainfall during the past 79 years of record at Los Angeles. The County average of 7.33 inches of rainfall for the 1950-51 season was 42% of normal as compared to 64% of normal the previous year. The season's precipitation, as compared with the 75-year normal for various representative stations, is shown in the tabulation under "Comparative Rainfall" on page 10.

Snow surveys made about the first of April showed the minimum average depth of snow measured during the past twelve years of record in the San Antonio Canyon drainage area. The Big Rock drainage area, with seven years of record had a slightly greater depth than last year, which was record low for the area. The lowest temperature recorded in the County was 8° F at Table Mountain in March 1951, while the highest temperature was 110° F at Lancaster during August 1951.

There were comparatively low rainfall intensities during the season, as indicated in Table II, page 10, "Comparative Maximum Rainfall Intensities in inches for Selected Stations".

Isohyetals for the 1950-51 season are shown on map II, page 37. Precipitation of 0.01 inch or more fell on 34 days at Opid's (Camp HiHill) in the mountains, and on 31 days at Los Angeles in the Valley.

DISTRIBUTION OF RAINGAGES

Location and distribution of gages are important factors in the value of rainfall data. Consideration is given to topography, structures, and vegetation in locating raingages, due to the effect obstruction and wind has on the precipitation catch. At the end of the 1950-51 season, the District received records from 554 raingages of various types, distributed throughout 3952 square miles of the County area. In the past three years, the District has installed seven storage type rain and snow gages in inaccessible mountain areas which are measured at least once a year. There is a better distribution of gages in the valley and foothill areas than in the mountains due to the availability of observers. Station locations are shown on maps I and II, pages 35 & 37, and Table VII, page 27.

Subsequent to 1927, when the District started distributing raingages, considerable progress has been made in securing a representative coverage of the County as indicated by the following data:

Number of stations reporting to the Los Angeles County Flood Control District,

Season	1926-27	79
	1950-51	469.

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

	15 to 49 years		50 years and over	
	1949-50	1950-51	1949-50	1950-51
Continuous records - active	183	188	23a/	23a/
Broken records - active and inactive	116	117		
Adjacent to Los Angeles County	10	10	3	3
Total	309	315	26	26

Annual inspections trips were made in the late summer and fall of 1949 and 1950, at which times the location and condition of each gage was checked,

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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 continuous long-time record.

observers were briefed on the operation of standard and automatic raingages, anemometers, thermometers, barographs, and hygrothermographs, evaporation measurements, and snow depths and water content in snow pack, so as to obtain the most complete and accurate records possible. Supplies for each entire season were furnished each observer and equipment was repaired or replaced where necessary. Cooperative observers and new stations were located at various locations such as in the Antelope Valley, where so called cloud seeding was in progress at various times.

Where observers are available, automatic recording raingages are located by the District in areas which will furnish the most representative intensity data for rainfall analyses and computations. During the 1950-51 seasons, 34 of these District gages were in the San Gabriel mountains and foothills, 17 in other mountainous and foothill areas, and 18 in the valley areas, coastal plain and desert. In general, each automatic gage is operated in conjunction with a standard 8-inch U.S.W.B. type gage placed about four feet from, and at the same elevation as, the automatic gage as a check on precipitation catch.

USES OF PRECIPITATION DATA

1. In operation of District dams, debris basins, debris dams, spreading grounds, and channel flow.
2. In water conservation studies.
3. In calculation of flood flows for design purposes.
4. In determining rainfall frequency and intensity-duration curves.
5. In snow pack as related to water content and runoff studies.
6. Court cases.
7. By public and private agencies for flood control, irrigation, and water supply or related investigations.

The District furnishes rainfall 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, Division of Water Resources
City of Los Angeles
Pasadena Water Department
Southern California Edison Company
Los Angeles County
    Surveyor and Engineer
    Forester and Fire Warden
    Road Department
Ventura County
San Bernardino County.

Precipitation, evaporation, temperature, and other data furnished to the District by the above and other agencies, greatly augment the data received and compiled during the season.

SOURCE AND NUMBER OF RECORDS

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

RAIN GAGE OWNERSHIP AND TYPE	NUMBER OF GAGES			
Seasons	1949 50	1950 51	1949 50	1950 51
a. Los Angeles County Flood Control District				
Standard 8" diameter	262	272		
Non-recording Special 8.81" diameter	12	14		
Automatic-Fergusson Type 9" capacity	31	31		
Automatic-Fergusson Type 12" capacity	16	16		
Automatic-Universal Type 12" capacity	2	4		
Automatic-Friez Type 30" capacity	1	1		
Automatic-Friez Type 12" capacity	8	8		
Automatic-Stevens Type Q 12" capacity	6	6		
Automatic-Stevens Type Q 24" capacity	2	2		
Automatic-Fuller Type 3" capacity	1	1		
Totals			341	355
b. Outside Agencies and Individuals				
Standard 8" diameter	149	144		
Various Types, Non-recording	10	10		
Automatic-Various sizes and types	45	45		
Totals			204	199
Total number of Rain Gages			545	554
Less Stations Standard and Automatic Gages			83[b]	85[b]
Total Stations from which District receives records			462	469

The District owned 63% of all gages in 1949-50 and 64% in 1950-51, from which records were received each month. The remaining gages are privately owned, as shown above and are cooperative with the District.

COMPLETE SEASONAL REPORTS

Season	1949-50	1950-51
Flood Control District Stations	251[c]	253[c]
Private Stations	198	195
Total	449	448

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b/ Represents number of standard gages at automatic rain gage stations deducted from a total number of gages to agree with number of records published.

c/ When a station has both a District gage and a private gage, it is considered a Flood Control District Station.

The preceding tabulation shows the number of stations which furnished complete records or records which could be completed by estimates from adjacent stations for not more than 10% of the total seasonal amount. Thus, out of 462 stations reporting in 1949-50 and 469 stations reporting in 1950-51, 97% and 96%, respectively, furnished complete records.

Table I represents a complete list of automatic raingages which were active during the 1949-50 and 1950-51 seasons with length of active record included.

AVERAGE RAINFALL INDICES FOR LOS ANGELES COUNTY

Table VIII, page 33, presents the 78th and 79th year seasonal indices in Los Angeles County and selected areas within the County. The 76th year index to the 79th year index were based on the computed 75-year normal rainfall. Seasonal indices are the ratios of seasonal rainfall to seasonal normal expresses as a percentage. Indices furnish a more convenient and satisfactory measure for comparing seasonal rainfall in different localities than do the actual amounts expressed in inches. 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 known as master stations for that area.

It should be kept in mind that 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. An Isohyetal map for the 75-year seasonal normal is shown on map III, page 29 of the District 1945-46 and 1946-47 Biennial Report on Hydrologic Data. These maps are prepared at five year intervals.

COMPARATIVE RAINFALL

Eleven locations have been compared. These represent stations with long-time records in the coastal, valley, foothill, mountain and desert areas in Los Angeles County.

Comparison of Seasonal Rainfall by Stations

Sta. No.	Name	Elev. of Gage	75-Yr. Normal Inches	Yrs. Rec.	1949-50 Inches	1949-50 % of 75-Yr.	1950-51 Inches	1950-51 % of 75-Yr.
21	Brant Ranch-Girard	891	14.69	38	9.52	65	7.33	50
53C	Colby's Ranch	3675	31.93	53	18.70	59	10.14	32
60A	Hoegee's (Camp Ivy)	2750	43.68	25	32.39	74	17.34	40
121	Lancaster High School	2350	7.27	27	3.52	48	2.25	31
241B	Long Beach	68	13.14	56	8.93	68	7.50	56
577E	Los Angeles (U.S.W.B.)	417	15.63	78	10.65	68	7.47	48
338A	Mt. Wilson (Observatory)	5650	37.81	46	25.72	68	14.19	38
32C-E	Newhall	1243	17.94	74	9.32	52	6.97	39
57B-E	Opids (Camp HiHill)	4250	42.32	33	30.22	71	16.31	39
610B	Pasadena	864	20.66	78	15.66	76	11.06	54
587	San Antonio Cn. at Mouth	2500	28.57	46	21.09	74	12.15	43

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 readings only.

Sta. No.	Name	Minimum Seasonal		Maximum Seasonal		Maximum Day		
		1949-50	1950-51	1949-50	1950-51	1949-50	1950-51	Date
490	Lancaster-Wiley Ranch	2.31	1.61					
732	Robert's Ch.- San Gabriel Divide			37.49				
60A	Hoegee's (Camp Ivy)				17.34			
57B-E	Opid's (Camp HiHill)					5.38		11/10
402C	Cedar Springs						1.82	3/1

Maximum and minimum seasonal rainfall since 1872 at Station No. 577E, Los Angeles (U.S.W.B.) was 38.18 inches in 1883-84 and 5.51 inches in 1898-99 respectively.

Table II , page 10 shows a comparison of maximum intensities for ten representative stations in the District during the 1949-50 and 1950-51 seasons and the maximum intensities of record.

Table III, pages 11 to 13 presents daily rainfall amounts for selected stations during the 1949-50 season.

Table IV , pages 14 to 16 presents daily rainfall amounts for selected stations during the 1950-51 season.

Table V, page 17 presents monthly and seasonal rainfall amounts for stations from which the District received records during the 1949-50 season.

Table VI, page 22 presents monthly and seasonal rainfall amounts for stations from which the District received records during the 1950-51 season.

SUMMARY OF SNOWFALL

Total accumulative snowfall depth in inches at high mountain stations is shown as follows:

Sta. No.	Name	Elev.	Season 1949-50	Season 1950-51	Max. of Record	Season
82D	Table Mountain	7500	59	73	186	1943-44
83	Big Pines Recreation Camp	6860	69	70	231	1943-44
283B	Crystal Lake - East Pine Flats	5770	39	50	173	1943-44

The following tabulation shows snow survey data for the San Antonio and Big Rock Creek Drainage Basins:

Snow Survey Course	Elev.	Date	Density %	Water Content Inches Depth	Date	Density %	Water Content Inches Depth
San Antonio No. 2	8400	3/29/50	46.7	12.6	3/29/51	40.5	3.4
Upper Ice House Cn. No. 3	8000	3/30/50	44.2	11.7	3/30/51	40.5	7.7
Islip No. 3	7600	4/4/50	43.8	2.1	4/5/51	37.1	2.6

COOPERATION OF RAINFALL OBSERVERS

Observers have continued their valuable cooperation with the District in the collection of these data, as indicated by the fact that in 1949-50, 97% and in 1950-51, 96% of all observers reporting each month to the District have sent in complete reports for the seasons covered by this report.

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

RESPONSIBILITY

The field work and the collection and compilation of rainfall and evaporation data from October 1, 1949 to September 30, 1951 was under the immediate supervision of Paul A. Haig, in charge, Precipitation Section, with the assistance of H. K. Willut to December 1951 and E. N. Spencer subsequent to December 1951.

All field and office work was under the direction of Walter J. Wood, Supervising Civil Engineer.

TABLE 1

PRIVATE ACTIVE AUTOMATIC RAIN GAGES

SEASONS 1949-50 - 1950-51

FC NO.	NAME OF STATION	ELEV. U.S.G.S.	TYPE AND CAPACITY		WATERSHED	PE
23-E	CHATSWORTH RESERVOIR	865	FRIEZ	12"	LOS ANGELES RIVER	12
87	SAN DIMAS GUARD STATION	1500	STEVENS FLOAT GAGE	6"	SAN DIMAS CREEK	12
						10
124B	BOUQUET CANYON RESERVOIR - L.A.W.D.	3000	STEVENS	9"	BOUQUET CANYON AND SANTA CLARA RIVER	11
157B	EL SEGUNDO - STANDARD OIL CO.	150	FRIEZ	12"	WEST COASTAL	6/
158	TANBARK FLATS	2750	FERGUSSON	12"	SAN DIMAS CREEK	1/
223B-E	BIG DALTON DAM	1575	"	12"	BIG DALTON CANYON	11
228B	BEVERLY HILLS - CITY HALL	290	"	9"	BALLONA CREEK	10
237B	STONE CANYON RESERVOIR	725	FRIEZ	12"	STONE CANYON	9/
269B	DIAMOND BAR RANCH - HORSE CAMP	760	"	12"	BREA CANYON	12
311b	PASADENA METEOROLOGICAL STATION	918	FRIEZ TIPPING BUCKET		ARROYO SECO	10
357	SAN FERNANDO POWER HOUSE #3	1248	FRIEZ	12"	UPPER SAN FERNANDO RESERVOIR	12
407	NEWHALL - U.S.F.S. HEADQUARTERS	1325	"	12"	SANTA CLARA	12
419	SANTA CLARA RIDGE - MT. GLEASON	5450	"	30"	PACOIMA CANYON AND SANTA CLARA	9/
436B	HANSEN DAM	1005	"	30"	TUJUNGA WASH	10
465B	SEPULVEDA DAM	675	"	12"	LOS ANGELES RIVER	10
471	LITTLE TUJUNGA - GOLD CREEK	2750	C. OF E. (SPECIAL)	UNLIMITED	LITTLE TUJUNGA	10
565B	LONG BEACH - 1607 SAN FRANCISCO ST.	11	BELFORD TIPPING BUCKET		SOUTH COASTAL	11
577E	LOS ANGELES - 6TH & MAIN STREETS	417	FRIEZ	12"	LOS ANGELES RIVER	2/
577F	LOS ANGELES - U.S.W.B. (FEDERAL BLDG.)	548	FRIEZ TIPPING BUCKET		LOS ANGELES RIVER	3/
683	SUNSET RIDGE GUARD STATION	2110	FRIEZ	12"	ARROYO SECO AND LOS ANGELES RIVER	10
723	STONE CANYON - SAN FERNANDO VALLEY	875	STEVENS FLOAT	9"	LOS ANGELES RIVER	10
724	BIG DALTON - MONROE CYN. - FLUME X	1775	STEVENS	6"	BIG DALTON CANYON	3/
725	BIRMINGHAM HOSPITAL	722	FRIEZ	12"	LOS ANGELES RIVER	8/
726	ANGELES CREST - U.S.F.S. GUARD STA.	2300	"	12"	ARROYO SECO	10
735	BELL CANYON - PLATT RANCH	915	"	12"	LOS ANGELES RIVER	1/
740B	SAN DIMAS CANYON - FERN CYN. #2	5200	FERGUSSON	12"	SAN DIMAS CREEK	10
741	SAN DIMAS CYN. - UPPER EAST FORK	2750	STEVENS	6"	SAN DIMAS CREEK	10
747	SANDBERG AIRWAYS	4517	FRIEZ	12"	SANTA CLARA RIVER	4/
749	BURBANK AIRPORT	699	"	12"	LOS ANGELES RIVER	9/
750	PALMDALE - C.A.A.A.C. STATION	2536	"	12"	MOHAVE DESERT	1/
755	GRIFFITH PARK - LITTLE CANYON	900	"	12"	LOS ANGELES RIVER	9/
756	GRIFFITH PARK - UPPER SPRING CYN.	1200	"	12"	LOS ANGELES RIVER	9/
757	GRIFFITH PARK - FERN DELL	800	"	12"	BALLONA CREEK	9/
758	GRIFFITH PARK - LOWER SPRING CYN.	625	"	12"	LOS ANGELES RIVER	9/
759	HOLLYWOOD - COURTNEY AVE. 1736	422	"	12"	BALLONA CREEK	9/
760	STUDIO CITY - GOODLAND AVE. 3913	680	"	12"	LOS ANGELES RIVER	10
762	UPPER STONE CANYON	925	"	12"	BALLONA CREEK	9/
766	MANDEVILLE CANYON - FIRE ROAD #26	1825	"	12"	SEPULVEDA CANYON	9/
769	SANTA YNEZ CYN. - TEMESCAL FIRE RD. #30	1980	"	12"	SANTA YNEZ CANYON	9/
770	SANTA YNEZ CYN. - PASEO MIRAMAR	700	"	12"	SANTA YNEZ CANYON	9/
771	RUSTIC CANYON	265	"	12"	RUSTIC CANYON	9/
772	L.A. - ECHO PARK & LUCRETIA	475	STEVENS	12"	BALLONA CREEK	9/
774	BARLOW SANITARIUM	423	RATIONAL	8"	LOS ANGELES RIVER	12
775	L.A. - 8TH & CROCKER STREETS	249	FRIEZ	12"	LOS ANGELES RIVER	9/
779	GRIFFITH PARK - NORTH CANYON	625	"	12"	LOS ANGELES RIVER	11
780	GRIFFITH PARK - NORTH CANYON	1025	"	12"	LOS ANGELES RIVER	11
783	COON CANYON	1268	LEUPOLD L	6"	ARROYO SECO	10
801	MAGIC MOUNTAIN RIDGE - INDIAN CYN.	4450	C.OF E. (SPECIAL)	UNLIMITED	PACOIMA CANYON	3/
1041	SANTA FE DAM	427	FRIEZ	9"	SAN GABRIEL RIVER & RIO HONDO	10

LEGEND

* - - - - - - CHARTS OR REPRODUCTIONS ARE NOT IN DISTRICT FILES.
** - - - - - - DISTRICT HAS SOME AUTOMATIC CHARTS.
*** - - - - - - HOURLY AMOUNTS PUBLISHED IN U.S.W.B. HYDROLOGIC BULLETIN. SOUTH PACIFIC DISTRICT.
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 OUR FILES.
SEASON 1950-51 IDENTICAL WITH SEASON 1949-50 WITH EXCEPTION OF STATION 223B-E.

TABLE I

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT GAGES

ACTIVE AUTOMATIC RAIN GAGES

SEASON 1949 - 50

FC NO.	NAME OF STATION	ELEV. U.S.G.S.	TYPE AND CAPACITY		WATERSHED	PERIOD OF RECORD
6	TOPANGA PATROL STATION	747	FERGUSSON	9"	TOPANGA CANYON	8/18/30 TO DATE
10	BEL AIR HOTEL	540	"	9"	STONE CANYON	1/4/29 TO DATE***
11C	UPPER FRANKLIN CANYON RESERVOIR	867	"	9"	FRANKLIN CANYON	9/29/37 TO DATE
15	VAN NUYS - CITY WAREHOUSE	695	"	9"	LOS ANGELES RIVER	8/18/30 TO DATE
33A'-E	PACOIMA DAM	1500	"	9"	PACOIMA CANYON	9/22/30 TO DATE
46D-E	BIG TUJUNGA DAM NO. 1	2315	STEVENS	12"	BIG TUJUNGA CANYON	12/9/40 TO DATE
47C	CLEAR CREEK	3125	FERGUSSON	12"	BIG TUJUNGA CANYON	11/2/28 TO DATE
52C	WATERMAN GUARD STATION	3290	"	12"	ARROYO SECO	1/15/26 TO DATE
53A	COLBY'S	3500	"	12"	BIG TUJUNGA CANYON	4/19/26 TO 1/1928 6/30/37 TO 12/26/40 2/14/41 TO DATE
54	LOOMIS RANCH - ALDER CREEK	4025	"	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	2750	"	12"	BIG SANTA ANITA CREEK	11/11/26 TO DATE
63B-E	BIG SANTA ANITA DAM	1400	UNIVERSAL	12"	BIG SANTA ANITA CREEK	2/24/50 TO DATE
70	ROGER'S CANYON - DALTON	800	FERGUSSON	9"	SAN GABRIEL RIVER	12/4/26 TO DATE
83	BIG PINES RECREATION PARK	6860	"	12"	MOHAVE DESERT	12/17/25 TO DATE***
85D	CAMP BALDY GUARD STATION	4300	"	12"	SAN ANTONIO CREEK	11/11/27 TO DATE***
89-E	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
108B	EL MONTE - FIRE STATION	301	"	9"	RIO HONDO	10/11/38 TO DATE
116C	INGLEWOOD - FIRE STATION #1	155	"	9"	LAGUNA DOMINGUEZ	2/26/48 TO DATE
150	MONROVIA FALLS	1800	"	12"	SAWPIT CREEK	2/4/28 TO 11/28/50
156	LA MIRADA - STANDARD OIL CO.	86	STEVENS	12"	COYOTE CREEK	4/19/46 TO DATE
178	AZUSA - GRIFFITH	545	FERGUSSON	9"	SAN GABRIEL RIVER	1/1/31 TO DATE
179C	SIERRA MADRE - CARTER	1220	"	9"	RIO HONDO	6/24/41 TO DATE
201	PUENTE HILLS - ALTA MIRA RANCH	860	"	9"	SAN JOSE CREEK	9/15/38 TO 11/2/38 12/19/40 TO DATE
210B	BRAND PARK	1250	STEVENS	12"	LOS ANGELES RIVER	12/27/28 TO DATE
213B	LOS ANGELES - HANCOCK PARK	175	FERGUSSON	9"	LOS ANGELES RIVER	1/13/29 TO DATE
235B	HENNINGER FLATS	2550	FRIEZ	12"	EATON WASH	1/2/30 TO DATE
257	GRIFFITH PARK NURSERY	750	FERGUSSON	9"	BALLONA CREEK	11/12/30 TO DATE
259C	CHATSWORTH PATROL STATION	1254	"	9"	BROWN'S CANYON	8/17/37 TO DATE
261B-E	ACTON - ESCONDIDO CANYON	2920	"	9"	SANTA CLARA RIVER	11/27/30 TO DATE***
280B	FLINTRIDGE FIRE STATION	1325	"	9"	ARROYO SECO	7/26/30 TO DATE
283B	CRYSTAL LAKE - EAST PINE FLAT	5770	STEVENS	24"	SAN GABRIEL, NORTH FORK	11/26/35 TO DATE
291	LOS ANGELES - 96TH AND CENTRAL	121	FERGUSSON	9"	LOS ANGELES RIVER	10/6/30 TO DATE
303F	PASADENA - CAL TECH	795	"	9"	ALHAMBRA WASH	12/13/30 TO DATE
334B-E	SAN GABRIEL DAM #2	2330	"	12"	SAN GABRIEL, WEST FORK	1/14/32 TO DATE
338B	MOUNT WILSON - AIRWAYS STATION	5709	"	12"	SAN GABRIEL AND SANTA ANITA CANYONS	3/9/32 TO DATE***
352	LECHUZA PATROL STATION	1530	"	9"	ARROYO SEQUIS AND TRANCAS CANYONS	11/28/34 TO DATE***
356B	SPADRA - PACIFIC COLONY	685	"	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 #2	1580	FERGUSSON	9"	SANTA CLARA RIVER	5/25/44 TO DATE
373	BRIGGS TERRACE	2310	FRIEZ	12"	VERDUGO WASH	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	553	FERGUSSON	9"	LOS ANGELES RIVER	11/1/34 TO DATE
415	SIGNAL HILL - CITY HALL	125	"	9"	SOUTH COASTAL	3/15/37 TO DATE ***
425B-E	SAN GABRIEL DAM #1	1481	"	12"	SAN GABRIEL RIVER	11/3/37 TO DATE
433	ALTADENA - FARNSWORTH PARK	1710	"	9"	RUBIO CANYON	9/14/38 TO DATE
434	MALIBU DIVISION HEADQUARTERS	800	"	9"	MEDEA CREEK	10/27/43 TO DATE
435	MONTE NIDO CANYON	600	"	9"	MALIBU CREEK	11/19/43 TO DATE
444B	ROLLING HILLS - PALOS VERDES HILLS	482	FRIEZ	12"	BIXBY SLOUGH	7/13/48 TO DATE
445B	LIVE OAK CANYON DAM	1510	STEVENS	12"	LIVE OAK WASH	3/20/40 TO DATE
446	ALISO CANYON - SANTA SUSANA MTS.	2367	FRIEZ	12"	LOS ANGELES RIVER	7/2/40 TO DATE***
466B	PACOIMA CANYON - DUTCH LOUIE CN.	3225	FERGUSSON	12"	PACOIMA CANYON	1/16/41 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 HWY. MAINT. STA.	5275	"	12"	SAN GABRIEL RIVER, WEST FORK	10/10/44 TO DATE
493	SAND CANYON - MAC MILLAN RANCH	1780	FRIEZ	12"	SANTA CLARA RIVER	11/8/46 TO 4/19/50
495	LOS ANGELES - 8TH & FIGUEROA	335	FULLER FLOAT TYPE	3"	LOS ANGELES RIVER	2/7/44 TO DATE
517	ANDERSEN RANCH	4700	FERGUSSON	9"	PALLETT CREEK	12/17/43 TO DATE
1006	SAN PEDRO CITY RESERVOIR	150	"	9"	SAN PEDRO BAY	3/7/46 TO DATE
1008-E	LA FRESA - S.C.E. 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"	TUJUNGA CANYON	9/29/47 TO DATE
1014	RIO HONDO SPREADING GROUNDS	159	FERGUSSON	9"	RIO HONDO	9/29/47 TO DATE
1017	LITTLE ROCK CR. ABOVE SANTIAGO CR.	3330	STEVENS	12"	MOHAVE DESERT	8/6/48 TO DATE
1029	TUJUNGA - MILL CREEK SUMMIT	4950	FERGUSSON	12"	BIG TUJUNGA CANYON	10/28/49 TO 7/9/51
1034	SANTA CLARA RIVER - 6S RANCH	1350	FRIEZ	12"	SANTA CLARA RIVER	4/19/50 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 1950 - 51

FC NO.	NAME OF STATION	ELEV. U.S.G.S.	TYPE AND CAPACITY		WATERSHED	PERIOD OF RECORD
53C	COLBY'S	3675	FERGUSSON	12 "	BIG TUJUNGA CANYON	4/19/26 TO 1/1928 6/30/37 TO 12/26/40 2/14/41 TO DATE
69B	SAWPIT CANYON - HOGBACK	1775	FERGUSSON	12"	SAWPIT CANYON	11/28/50 TO DATE
449B	EATON DAM	875	UNIVERSAL	12"	EATON WASH	10/31/50 TO DATE
470	TUJUNGA - MILL CREEK	4600	FERGUSSON	12"	BIG TUJUNGA CANYON	10/18/41 TO 10/28/49 7/9/51 TO DATE
517B	ANDERSEN RANCH	4700	"	9"	PALLETT CREEK	12/17/43 TO DATE
X9	C.V.I. - COLES	2351	UNIVERSAL	12"	ANTELOPE VALLEY	12/8/50 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.

SUFFIX B, C DENOTE SECOND AND THIRD LOCATION OF STATION IN SAME LOCALITY UNDER NEARLY 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 DISTRICT'S FILES.
SEASON 1949-50 IDENTICAL WITH SEASON 1950-51 WITH EXCEPTION OF STATIONS 53C, 69B, 449B, 470, 493, 517, AND X9.

TABLE II

COMPARATIVE MAXIMUM RAINFALL INTENSITIES IN INCHES

SEASONS 1949-50, 1950-51 AND MAXIMUM OF RECORD FOR SELECTED STATIONS

		#577E USWB 6TH AND MAIN LOS ANGELES		#15 VAN NUYS LAWD WAREHOUSE		#178 AZUSA GRIFFITH		#425B SAN GABRIEL DAM #1		#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	
		1949-50	MAX. OF RECORD	1949-50	MAX OF RECORD	1949-50	MAX OF RECORD	1949-50	MAX OF RECORD	1949-50	MAX OF RECORD	1949-50	MAX OF RECORD	1949-50	MAX OF RECORD	1949-50	MAX OF RECORD	1949-50	MAX OF RECORD	1949-50	MAX OF RECORD
5 MIN.	AMT.	.14	.44	.08	.33	.12	.32	.14	.60	.06	.29	.22	.30	.14	.40	.11	1.17	.10	.43	.30	.32
	DATE	11/10	1/14/08	2/6	12/15/38	2/6	2/11/36	2/6	4/5/26	11/10	8/26/35	2/6	1/22/43	1/8	12/6/46	11/10	4/5/26	11/10	12/27/36	11/10	3/3/43
10 MIN.	AMT.	.21	.66	.14	.43	.18	.40	.18	.62	.08	.41	.26	.70	.18	.46	.30	1.18	.17	.57	.36	.44
	DATE	11/10	2/18/14	2/6	1/8/40	2/6	11/11/44	2/6	4/5/26	1/12	8/26/35	2/6	2/20/41	1/8	12/6/46	11/10	4/5/26	11/10	12/27/36	11/10	3/3/43
15 MIN.	AMT.	.23	.81 •	.18	.50	.22	.53	.22	.68	.11	.44	.30	.91	.20	.50	.35	1.18	.24	.69	.42	.60
	DATE	11/10	2/18/14	2/6	12/17/40	2/6	11/11/44	2/6	4/5/26	1/12	8/26/35	2/6	2/20/41	1/8	12/6/46	11/10	4/5/26	11/10	12/27/36	11/10	3/3/43
30 MIN.	AMT.	.35	1.12	.30	.88	.30	.77	.40	.96	.19	.66	.46	1.16	.27	.72	.62	1.52	.47	1.06	.51	1.08
	DATE	11/10	2/18/14	2/6	12/28/41	2/6	10/17/34	2/6	4/5/26	1/12	10/1/32	2/6	2/20/41	12/18	12/6/46	11/10	4/5/26	11/10	3/4/43	11/10	3/3/43
1 HR.	AMT.	.47	1.51	.49	1.26	.46	1.10	.60	1.25	.22	.93°°	.65	2.51°°	.45	.94	1.05	2.21	.90°°	1.72	.74	1.70
	DATE	11/10	2/18/14	2/6	12/28/41	2/6	10/17/34	2/6	1/22/43	2/6	8/24/35	2/6	1/22/43	12/18	1/22/43	11/10	4/5/26	11/10	12/21/45	11/10	3/3/43
2 HRS.	AMT.	.70	1.99	.64	1.50	.74	1.73	1.00	2.34	.35	1.48°°	1.09	3.44°°	.72	1.63	1.68	3.83	1.70°°	2.88	.90	2.36
	DATE	1/8	2/18/14	1/8	1/22/43	2/6	10/17/34	2/6	1/22/43	3/24	8/24/35	12/18	1/22/43	12/18	1/22/43	11/10	4/5/26	11/10	3/2/38	2/6	3/4/43°
3 HRS.	AMT.	.93	2.28	.85	2.13	1.02	2.34	1.32	3.28	.41	1.48°°	1.40	4.14°°	.97	2.27	2.55	4.53	2.55°°	4.00	1.22	3.02
	DATE	1/8	2/18/14	1/8	1/22/43	2/6	1/1/34°	3/24	1/22/43	3/24	8/24/35	12/18	1/22/43	2/6	12/31/33	11/10	4/5/26	11/10	3/2/38	11/10	12/31/33
4 HRS.	AMT.	1.00	2.63	.98	2.67	1.14	2.79	1.64	4.32	.49	1.57	1.58	5.09°°	1.14	2.96	3.10	5.54	3.12°°	5.38	1.48	3.80
	DATE	1/8	2/18/14	1/8	1/22/43	2/6	1/1/34°	11/10	1/22/43	3/24	1/22/43	12/18	1/22/43	2/6	1/22/43	11/10	3/2/38	11/10	3/2/38	11/10	12/31/33
5 HRS.	AMT.	1.13	3.06	1.07	3.13	1.38	2.98	1.75	5.30	.57	1.82	1.77	5.46°°	1.36	3.25	3.18	6.67	3.52°°	6.48	1.54	4.55
	DATE	1/8	3/2/38	1/8	1/22/43	2/6	1/1/34°	2/6	1/22/43	3/24	1/22/43	12/18	1/22/43	12/19	1/22/43	11/10	3/2/38	11/10	1/22/43	11/10	12/31/33
12 HRS.	AMT.	1.50	4.91	1.20	5.29	1.90	6.00	2.98	10.05	.66	3.14	2.64	9.69	2.34	4.55	4.81	12.64	5.37°°	13.36	2.37	7.98
	DATE	11/10°	3/2/38	1/8	1/1/34°	2/6	1/1/34°	12/19°	1/22/43°	3/25°	1/23/43°	12/18	12/31/33	12/19°	3/2/30	11/10°	3/2/38	11/10°	1/23/43°°	12/18	12/31/33
24 HRS.	AMT.	1.96	7.36	1.22	8.13	2.58	10.85	4.55	17.81	.67	4.44	3.13	13.44	3.30	7.86	5.42	22.00	6.66	26.12	2.82	11.26
	DATE	11/10°	1/1/34°	1/8	1/22/43°	12/19°	1/1/34°	12/19°	1/23/43	3/25°	1/23/43°	12/18°	1/1/34°	12/19°	1/1/34°	11/10°	1/23/43°	11/10°	1/23/43°	12/19°	1/1/34°
STORM TOTAL																					
AUTO.	AMT.	2.05	8.27	1.24	INC.	2.93	12.51	5.08	24.07	.73	6.45	3.52	INC.	3.72	10.70	6.12	32.45	6.76	37.42	3.14	13.62
	DATE	12/18	12/30/33-	2/5-		12/18-	12/30/33-	12/17-	1/21/43-	4/8		12/17	1/21/43	12/17	1/21/43	12/17	1/21/43	11/18	1/21/43	12/18	1/21/43
		12/19	1/1/34	2/6		12/19	1/1/34	12/19	1/23/43	4/9	1/23/43	12/20		12/19	1/23/43	12/19	1/23/43	11/10	1/23/43	12/19	1/23/43
STD.	AMT		9.67	1.26	11.31			5.23	25.08	.88	6.69	3.52	17.38	3.78	11.03	6.12	33.95	6.74	37.34	3.20	13.86
	DATE		3/2/84-	1/8	1/21/43-			12/17	12/17/21-	4/8-	12/18/21-	12/17	1/21/43-	12/17	2/10/27	12/19	12/18/21	11/8	1/21/43	12/18	1/21/43
			3/10/84	1/9	1/23/43			12/19	12/22/21	4/9	12/27/21	12/20	1/23/43	12/19	2/16/27	12/19	23/21	11/10	1/23/43	12/19	1/23/43

		1950-51	1950-51	1950-51	1950-51	1950-51	1950-51	1950-51	1950-51	1950-51	1950-51
5 MIN.	AMT.	.05	.06	.14	.23	.04	.14	.16	.15	.17	.23
	DATE	1/10	1/29	4/29	1/11	1/10	1/11	1/11	1/11	1/11	1/11
10 MIN.	AMT.	.08	.13	.20	.30	.07	.27	.18	.20	.31	.24
	DATE	1/10	1/29	4/29	1/11	1/10	1/11	1/11	1/11	1/11	1/11
15 MIN.	AMT.	.14	.15	.22	.37	.10	.34	.22	.26	.41	.25
	DATE	1/10	1/29	4/29	4/4	1/10	1/11	1/11	1/11	1/11	1/11
30 MIN.	AMT.	.25	.22	.27	.60	.17	.65	.32	.40	.65	.40
	DATE	1/10	1/29	4/29	4/4	1/10	1/11	1/11	1/11	1/11	1/11
1 HR.	AMT.	.45	.34	.34	1.10	.28	1.09	.48	.67	.94	.73
	DATE	1/10	1/29	1/11	4/4	1/10	1/11	1/11	4/28	1/11	1/11
2 HRS.	AMT.	.57	.55	.52	1.14	.41	1.29	.70	1.04	1.25	.80
	DATE	1/10	1/10	11/13	4/4	1/10	1/11	1/11	4/28	1/11	1/11
3 HRS.	AMT.	.65	.65	.66	1.42	.47	1.37	.84	1.42	1.35	.88
	DATE	1/29	1/29	4/28	4/28	1/10	1/11	1/11	4/28	1/11	4/28
4 HRS.	AMT.	.85	.76	.81	1.61	.47	INC.	.88	1.55	1.42	.94
	DATE	1/29	1/29	1/29	4/28	1/10		1/11	4/28	1/11	4/28
5 HRS.	AMT.	.94	.99	.91	1.61	.47	INC.	.90	1.56	1.49	.94
	DATE	1/29	1/29	1/29.	4/28	1/29		1/11	4/28	4/25	4/28
12 HRS.	AMT.	1.04	1.05	1.07	1.61	.50	INC.	.95	1.79	2.06	1.08
	DATE	1/29	1/29	1/29	4/28	1/29		1/29	4/28	4/29°	1/29
24 HRS.	AMT.	1.04	1.05	1.07	1.61	.50	INC.	1.01	1.92	2.07	1.08
	DATE	1/29	1/29	1/29	4/28	1/29		1/29°	4/29°	4/29°	1/29
STORM TOTAL											
AUTO.	AMT.	1.04	1.05	1.27	1.61	.50	INC.	1.07	2.04	2.07	1.08
	DATE	1/29	1/29	11/18-	4/28	1/29		11/18	4/28	4/28	1/29
				11/20				11/20	4/29	4/29	
STD.	AMT.		1.09		1.66	.53	2.25	1.20	2.06	2.18	1.20
	DATE		1/29		4/28	1/29	11/13	11/18	4/28	4/28	11/18
							11/14	11/20	4/29	4/29	11/20

° DATE AT END OF PERIOD

°° INTERPOLATED VALUE FROM NEARBY STATION

INC. INCOMPLETE RECORD

TABLE III

SEASONAL 1949-50 DAILY RAINFALL FOR SELECTED STATIONS

RAINFALL RECORDS IN INCHES

OCTOBER

STA. NO.	STATION		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
6	TOPANGA	E																T	.02															.02
15	VAN NUYS	B																																0
32C-E	NEWHALL	E																	T															T
33A'-E	PACOIMA DAM	E																	.06															.06
57B-E	OPID'S	E															T	T	.06	.02	.03													.11
85D	CAMP BALDY	E							.06	.04							T	.39	.01	.05														.55
106	WHITTIER	E																.01	T															.01
121	LANCASTER	B																																0
130B	SANDBERG'S	C																T			.18													.18
185	GLENDORA	E						T	.10									.09	.01															.20
241B	LONG BEACH	A							T									T																T
256B	POMONA	E							.03	.01																								.04
283B	CRYSTAL LAKE	E							T	.06								.01	T	.02	.15													.24
321-E	PINE CANYON	C																																0
4259-E	SAN GABRIEL #1	E							.02									.05	.03	.04														.14
440B	CHILAO	B																	T		.04													.04
478	VALYERMO	E																.06																.06
577F	LOS ANGELES	F					T											T	T															T
610B	PASADENA	E							T									.04	.03															.07
634B	SANTA MONICA	D															T	T																T

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								.05	.65	1.72																						2.42
15	VAN NUYS	B									.14	.50																						.64
32C-E	NEWHALL	E									.23	.93																						1.16
33A'-E	PACOIMA DAM	E								.26	.36	1.37																						1.99
57B-E	OPID'S	E								.02	.58	5.38																						5.98
85D	CAMP BALDY	E									.11	4.15																						4.26
106	WHITTIER	E								.03	.23	.98																						1.24
121	LANCASTER	B										.16	.06																					.22
130B	SANDBERG'S	C											.44																					.44
185	GLENDORA	E								.05	.31	1.96																						2.32
241	LONG BEACH	A								.01		.42	.02																			T		.45
256B	POMONA	E								.05	.26	1.36																						1.67
283B	CRYSTAL LAKE	E									.24	4.43																						4.67
321-E	PINE CANYON	C									.25	1.62																						1.87
4258-E	SAN GABRIEL #1	E								T	.37	3.53																						3.90
440B	CHILAO	B										1.94	.36																					2.30
478	VALYERMO	E										.55																						.55
577F	LOS ANGELES	F							T		.49	1.52																						2.01
610B	PASADENA	E								T	.31	2.24																						2.55
634B	SANTA MONICA	D							.02		.27	.58																						.87

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							.01	2.53	.01						.03			3.10	.42													6.10
15	VAN NUYS	B								.89	.01							.01		.92	.18													2.01
32C-E	NEWHALL	E								1.10	.03									1.19	.11													2.43
33A' E	PACOIMA DAM	E							.03	.93										1.98	.37													3.31
57B-E	OPID'S	E								1.39	.10	.04					T			4.87	1.25													7.65
85D	CAMP BALDY	E								.72	.07	.03						T		2.38	2.76													5.96
106	WHITTIER	E								.40							.02			1.46	.67													2.75
121	LANCASTER	B								.12	.14										.46	.10												.82
130B	SANDBERG'S	C							.02	2.26	.35	.73								.30	.15													3.81
185	GLENDORA	E								.40	.02								.02	2.35	1.65													4.44
241	LONG BEACH	A								.44	.13						.03	T		1.26	1.12	.06													3.04
256B	POMONA	E							T	.32							.16				2.57														3.05
283B	CRYSTAL LAKE	E								1.05	.05	.03					T	.01	T	2.81	2.89													6.84
321-E	PINE CANYON	C								1.30	.54	.01								1.15	.20	.02													3.22
4259-E	SAN GABRIEL #1	E							T	.48		.02					T			3.01	2.24													5.75
440B	CHILAO	B								.56	.30							.03			2.11	.25													3.25
478	VALYERMO	E								.24	.02	.01								.11	.13													.51
577F	LOS ANGELES	F							.17	.37							.09		T	1.84	.21													2.68
610B	PASADENA	E							T	.83	.02						.04		T	2.38	1.00													4.27
634B	SANTA MONICA	D							T	1.42	T						T	T			1.64												T	3.06

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								1.92	.14		1.17	.37		.37	T													.30	.29			4.56
15	VAN NUYS	B							1.01	.25			.46	.26	.01	.12														.26	.14			2.51
32C-E	NEWHALL	E								1.05	.19		.48	.27		.03														.11	.07			2.20
33A'-E	PACOIMA DAM	E								.50	.34		.77	.29		.08	.01													.25	.37			2.61
57B-E	OPID'S	E		T						1.70	.95		1.55	.21		.25														.51	.96			6.13
85D	CAMP BALDY	E			.22					.62	1.18		.64	.26		.11														.06	.68			3.77
106	WHITTIER	E			.16					.69	.58		.64	.18		.05														.08	.29			2.67
121	LANCASTER	B		.02							.33		.09	.03																	.05			.52
130B	SANDBERG'S	C		T	.01					.60			.20	.07		.14										.24	.18			.32				1.76
185	GLENDORA	E			.02					.37	.71		.70	.20		.18														.14	.64			2.96
241	LONG BEACH	A			T						.58		.04	.47	.35		.27														.67			2.38
256B	POMONA	E			.02						.96		.77	.53		.12		.04							T					.11		.76		3.31
283B	CRYSTAL LAKE	E		T						1.01	1.42		.02	1.17	T	T	.08													.07	.56			4.33
321-E	PINE CANYON	C		.01	T					.82	.70		.54	.05		.09										.02				.10	.08			2.41
4259-E	SAN GABRIEL #1	E			.08					.62	1.02		1.16	.21		.11														.10	.63			3.93
440B	CHILAO	B		T							1.55						.70															.70			2.95
478	VALYERMO	E								.80	.21		.03	.03																					1.07
577F	LOS ANGELES	F		T						1.18			.84	.21		.07														.24	.07			2.61
610B	PASADENA	E								.72	.60		.86	.20		.12	.02													.22	.42			3.16
634B	SANTA MONICA	D		T							1.35		1.03	.31		.19														.44				3.32

TABLE III

SEASONAL 1949-50 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					.11	1.82				.39	.02															T			2.34
15	VAN NUYS	B					.13	1.12				.35	.03																		1.63
32C-E	NEWHALL	E					.15	1.00	T			.29																			1.44
33A'-E	PACOIMA DAM	E					.13	1.69	.05			.42	.02																		2.31
57B-E	OPID'S	E					.34	2.79	.02			.89																			4.04
85D	CAMP BALDY	E					.29	2.17	.02			.62	.02																		3.12
106	WHITTIER	E					.01	1.65	.08			.44	.04																		2.22
121	LANCASTER	B			T					.01			.12													.01			.40		.54
130B	SANDBERG'S	C							.61			.10	.17																		.88
185	GLENDORA	E					.06	2.20	.11			.50	.11																		2.98
241B	LONG BEACH	A						1.53	.04			.17	.41																T		2.15
256B	POMONA	E							1.96			.37	.04																		2.37
283B	CRYSTAL LAKE	E					.34	2.52	.21			.63																			3.70
321-E	PINE CANYON	C					.06	1.43				.18	.06																		1.73
425B E	SAN GABRIEL #1	E					.04	2.46	.20			.45	.09																		3.24
440B	CHILAO	B						1.40	.15			.16	.22																		1.93
478	VALYERMO	E						.72				.12																			.84
577F	LOS ANGELES	F					.07	1.27	.01		T	.32	T									T			T			T			1.73
610B	PASADENA	E					.04	1.75	.02			.54	.07												T			T			2.42
634B	SANTA MONICA	D						1.81	.01			.31																			2.13

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		T																						1.02	.53							1.55
15	VAN NUYS	B																								.06	.32	.04						.42
32C-E	NEWHALL	E		.15																						.37	.54	.02						1.08
33A'-E	PACOIMA DAM	E		.02																						.40	.67	T						1.09
57B-E	OPID'S	E		T																						.75	1.95							2.70
85D	CAMP BALDY	E	.14	.01																						.16	1.62							1.93
106	WHITTIER	E																								.14	.69							.83
121	LANCASTER	B	T																							.74								.74
130B	SANDBERG'S	C	.03	.10																						.20	.25							.58
185	GLENDORA	E																								.18	1.48							1.66
241B	LONG BEACH	A		T													T					T					.48							.48
256B	POMONA	E											T														.93							.93
283B	CRYSTAL LAKE	E	.04	T																						.22	1.59							1.85
321-E	PINE CANYON	C	.06	.27																						.37	.91	.02						1.63
425B-E	SAN GABRIEL #1	E																								.28	1.71							1.99
440B	CHILAO	B		.02																						1.28								1.30
478	VALYERMO	E	.12																							.60								.72
577F	LOS ANGELES	F	T					T														T				.34	.03							.37
610B	PASADENA	E																			T					.12	1.17							1.29
634B	SANTA MONICA	D	T																							.11	.40							.51

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								.66	.37													.02								1.05
15	VAN NUYS	B								.91	.23													.01								1.15
32C-E	NEWHALL	E								.40	.33																					.73
33A'-E	PACOIMA DAM	E								.64	.47																			.04		1.15
57B-E	OPID'S	E								2.20	.66																					2.86
85D	CAMP BALDY	E								1.23	1.12																					2.35
106	WHITTIER	E								.16	.36																					.52
121	LANCASTER	B								.17																						.17
130B	SANDBERG'S	C								.60	.05																					.65
185	GLENDORA	E								.50	.59													.10	.04						.04	1.27
241B	LONG BEACH	A					T			.06	.36													T						.01		.42
256B	POMONA	E								.33	.61																					.95
283B	CRYSTAL LAKE	E								1.85	1.01																					2.86
321-E	PINE CANYON	C								1.00	.24																					1.24
425B-E	SAN GABRIEL #1	E								.79	.66														.02						.02	1.49
440B	CHILAO	B								.30	1.40																					1.70
478	VALYERMO	E								.11	.15																					.26
577F	LOS ANGELES	F							T	.12	.43											T		.01				T				.56
610B	PASADENA	E								.41	.21											T		.07					T			.69
634B	SANTA MONICA	D									.55																				T	.55

MAY

STA. NO.	STATION		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
6	TOPANGA	E																																0
15	VAN NUYS	B			.01																			T										.01
32C-E	NEWHALL	E			T	.01																												.01
33A'-E	PACOIMA DAM	E			.05														.12	T					.12									.29
57B-E	OPID'S	E			.10																													.10
85D	CAMP BALDY	E			.03																													.03
106	WHITTIER	E		.02															T															.02
121	LANCASTER	B				.03																						.42						.45
130B	SANDBERG'S	C			.04	.03																												.07
185	GLENDORA	E		.02	.04														.06						.05									.19
241B	LONG BEACH	A		T	.05	.07													.02					.01	.01						T	T		.16
256B	POMONA	E		.02	.04														.04						.01									.11
283B	CRYSTAL LAKE	E			.13	.05																												.18
321-E	PINE CANYON	C		.02	.09																													.11
425B-E	SAN GABRIEL #1	E			.03	.01													.05						.01									.10
440B	CHILAO	B			.08	.02																												.12
478	VALYERMO	E				.12																											T	T
577F	LOS ANGELES	F		T	T											T		T	T					T	T									.14
610B	PASADENA	E			.06														.05	T				T	.03									T
634B	SANTA MONICA	D				T																												

TABLE III

SEASONAL 1949-50 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						T	.01																								.01
32C-E	NEWHALL	E																															0
33A'-E	PACOIMA DAM	E						.23																	T								.23
57B-E	OPID'S	E																															0
85D	CAMP BALDY	E																															0
106	WHITTIER	E						.05																									.05
121	LANCASTER	B																															0
130B	SANDBERG'S	C																															0
185	GLENDORA	E						.14																									.14
241B	LONG BEACH	A	T	T			T	T	.01																								.01
256B	POMONA	E		T				.01																									.01
283B	CRYSTAL LAKE	E						T																									T
321-E	PINE CANYON	C																															0
425B-E	SAN GABRIEL #1	E						.01																									.01
440B	CHILAO	B																															0
478	VALYERMO	E																															0
577F	LOS ANGELES	F	T	T			T	T														T	T		T	T							T
610B	PASADENA	E		T				.12																	T								.12
634B	SANTA MONICA	D	T	T				T																	T								T

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							T																									T
32C-E	NEWHALL	E						T																										T
33A'-E	PACOIMA DAM	E						T																										T
57B-E	OPID'S	E						T																										T
85D	CAMP BALDY	E																																0
106	WHITTIER	E																																0
121	LANCASTER	B						.02																										.02
130B	SANDBERG'S	C						.05																										.05
185	GLENDORA	E																																0
241B	LONG BEACH	A																																0
256B	POMONA	E																																0
283B	CRYSTAL LAKE	E						.11	.01		T																							.12
321-E	PINE CANYON	C						.06																										.06
425B-E	SAN GABRIEL #1	E									.02																							.02
440B	CHILAO	B																																0
478	VALYERMO	E						.16																			T							.16
577F	LOS ANGELES	F						T	.01			T																						.01
610B	PASADENA	E							.01		.12																							.13
634B	SANTA MONICA	D							T																									T

AUGUST

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

SEPTEMBER

STA. NO.	STATION		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	TOTAL
6	TOPANGA	E																	.32														.32
15	VAN NUYS	B				T				.01									.29														.30
32C E	NEWHALL	E						T											.27														.27
33A' E	PACOIMA DAM	E								.09									.93														.96
57B E	OPID'S	E																	.65														.65
85D	CAMP BALDY	E					.02	.35																									.37
106	WHITTIER	E								.01										T													.01
121	LANCASTER	B				T													.04														.04
130B	SANDBERG'S	C						T											.08														.08
185	GLENDORA	E			T			T		.02									.01														.03
241B	LONG BEACH	A								.05									T	T													.05
256B	POMONA	E				T																											T
283B	CRYSTAL LAKE	E			.04		T	T											.05														.09
321-E	PINE CANYON	C						.21											.61														.82
425B-E	SAN GABRIEL #1	E		T				.02											.02														.04
440B	CHILAO	B																	.30														.30
478	VALYERMO	E				.22		T	.10																		T						.32
577F	LOS ANGELES	F	T		.01	T		T	T	.01									.36														.38
610B	PASADENA	E			T			.09		.01									.78														.82
634B	SANTA MONICA	D								.09									.07														.10

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 - - - - - MIDNIGHT GAGE READING

NOTE: FOR SEASON TOTALS SEE TABLE IV

TABLE IV

SEASONAL 1950-51 DAILY RAINFALL FOR SELECTED STATIONS

RAINFALL RECORDS IN INCHES

OCTOBER

STA. NO.	STATION		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
6	TOPANGA	E																						T				.03	.90					.93
15	VAN NUYS	B																										.01	.17					.18
32C-E	NEWHALL	E																							.01			.03	.27					.31
33A'-E	PACOIMA DAM	E																											.58				.03	.61
57B-E	OPID'S	E																							T			T	.68				.04	.72
85D	CAMP BALDY	E																											.20				.01	.21
106	WHITTIER	E																											.03					.03
121	LANCASTER	B																													T		.01	.01
130B	SANDBERG'S	C																							T			T	.06					.06
185	GLENDORA	E																											.30				T	.30
241B	LONG BEACH	A																											.05	.01				.06
256B	POMONA	E																							T				.04					.04
283B	CRYSTAL LAKE	E																							.04			T	.58				.01	.63
321-E	PINE CANYON	C																							.03				.50					.53
425B-E	SAN GABRIEL #1	E																											.49				T	.49
440B	CHILAO	B																						.02					.30				.05	.37
478	VALYERMO	E																																0
577F	LOS ANGELES	F																							T			.04	.18			T	T	.22
610B	PASADENA	E																							T		.01		.43				.04	.48
634B	SANTA MONICA	D												T															.37					.37

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													1.55	.70	T			.07	.34	.08												2.74
15	VAN NUYS	B													.04	.59				.06	.18	.22												1.09
32C-E	NEWHALL	E													.60	.02					T													.62
33A'-E	PACOIMA DAM	E													.71	.02				.23	.35	.17												1.48
57B-E	OPID'S	E													1.75	.17				.23	.79	.06												3.00
85D	CAMP BALDY	E													1.23	.39	.02			.01	.10	.01												1.76
106	WHITTIER	E													.62	.14				.13	.79	.08												1.76
121	LANCASTER	B													.02																	T		.02
130B	SANDBERG'S	C													.24						.01	.03	.03											.31
185	GLENDORA	E													.73	.07				.24	1.10	.17										T		2.31
241B	LONG BEACH	A														.71	.01			T	.10	.12	T											.94
256B	POMONA	E													.65	.15	.04					1.26												2.10
283B	CRYSTAL LAKE	E													1.63	.39	.02			.02	.07	.04										T		2.17
321-E	PINE CANYON	C													.46	.13				.02	.05	.02												.68
425B-E	SAN GABRIEL #1	E													.90	.18	.01			.08	.34	.08										T		1.59
440B	CHILAO	B													.02	.73	.05		.09			.79												1.68
478	VALYERMO	E													.05																			.05
577F	LOS ANGELES	F													.49	.04				.14	.38	T												1.05
610B	PASADENA	E													.27	.27				.31	.76	.11												1.72
634B	SANTA MONICA	D													.63	.07						.30	T									T		1.00

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	T		.02	.04																						.06	T					.12
15	VAN NUYS	B	.01																									T						.01
32C-E	NEWHALL	E														.14												.04						.18
33A'-E	PACOIMA DAM	E															.13											.03						.16
57B-E	OPID'S	E				.02											.07											.09						.18
85D	CAMP BALDY	E															.08																	.08
106	WHITTIER	E				.02																						T						.02
121	LANCASTER	B															T																	T
130B	SANDBERG'S	C																															.04	.04
185	GLENDORA	E																																0
241B	LONG BEACH	A	T			.05	T																					.02	.03					.10
256B	POMONA	E				.04																												.04
283B	CRYSTAL LAKE	E			T	.02											.19										.02							.23
321-E	PINE CANYON	C															.06																	.06
425B-E	SAN GABRIEL #1	E															.03																	.03
440B	CHILAO	B				.03											.06											.03						.12
478	VALYERMO	E																																0
577F	LOS ANGELES	F				T										T	T											.03						.03
610B	PASADENA	E	T														T											.03						.03
634B	SANTA MONICA	D	.01			T																						.16						.17

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					.22					.60	1.39					.35		.23	.49										1.20	.02		4.50
15	VAN NUYS	B					.21					.56	.37					.29		.03	.23										.27	.82	.01	2.79
32C E	NEWHALL	E					.12					.58	.58	.02				.19	T	.05	.12										.78	.08		2.52
33A' E	PACOIMA DAM	E					.10					.56	.90					.29		.27	.83										1.16	.10		4.21
57B E	OPID'S	E					.11					.45	1.00					.24		.21	.57										1.62	.22		4.42
85D	CAMP BALDY	E				.03						.43	.93					.18			.26										1.34	.06		3.23
106	WHITTIER	E					.05					.60	.31					.29		T	.33										.99			2.57
121	LANCASTER	B				.04						.20	.41					.10		T	T										.25	.30		1.30
130B	SANDBERG'S	C			T		.09					.07	.50	.20				.10													.33			1.29
185	GLENDORA	E					.04					.34	.98	.02				.17		.04	1.02									.04	1.18	.01		3.84
241B	LONG BEACH	A					.02					T	.49	.24				.41	T		.17										.02	.73		2.08
256B	POMONA	E					.01														1.52										.96			2.49
283B	CRYSTAL LAKE	E					.02					.35	.74	.03				.18		.01	.30										1.46	.50		3.59
321-E	PINE CANYON	C					.11					.53	.44	.11				.01		.05	.10										.60	.08		2.03
425B-E	SAN GABRIEL #1	E					.03					.34	1.20					.14		.04	1.09									.02	1.21	.06		4.13
440B	CHILAO	B					.11					.28	.52					.23			.15										.08	1.07		2.44
478	VALYERMO	E					.05					.18	.13																		.47	.33		1.16
577F	LOS ANGELES	F				.09						.59	.40					.34		.24	.14									T	1.00	T		2.80
610B	PASADENA	E					.10					.48	.99					.29		T	.70									.01	1.17			3.74
634B	SANTA MONICA	D					.15					.71	.09						.42	.07	.47										1.01			2.92

SEASONAL 1950-51 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												.06										.03	.50	.05			.48		1.12
15	VAN NUYS	B												.04										T	.30	.05			.22	.13	.74
32C-E	NEWHALL	E												.02										T	.42	.01		T	.34		.79
33A'-E	PACOIMA DAM	E												.09										T	.39	.02			.45		.95
57B-E	OPID'S	E												.08										.50	.50	.20			1.23		2.51
85D	CAMP BALDY	E												.08										.14	.22	.01			1.14		1.54
106	WHITTIER	E																							.31				.46		.77
121	LANCASTER	B																							T			.04			.04
130B	SANDBERG'S	C												.12										.23	.40					.28	1.03
185	GLENDORA	E												.09										.01	.22				.68		1.00
241B	LONG BEACH	A												T					.01					T	.63	.54			.37	T	1.55
256B	POMONA	E												.07										T	.28			.03	.56	.17	1.11
283B	CRYSTAL LAKE	E												T										.61	.18	.02		T	1.20	T	2.01
321-E	PINE CANYON	C																						T	.13			T	.36		.49
425B-E	SAN GABRIEL #1	E												.23										.11	.18	.04			.80		1.36
440B	CHILAO	B												.05											.59	.20			.89		1.73
478	VALYERMO	E																											.17		.17
577F	LOS ANGELES	F											.01	T										.10	.94			.29	.14	T	1.48
610B	PASADENA	E												.06										.11	.23	.25		T	.63	.04	1.32
634B	SANTA MONICA	D												.10											.26			.01	.59		.96

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	.64				.05	.15																										.84
15	VAN NUYS	B	.42	.21				T	.03																									.66
32C-E	NEWHALL	E	.98					.01																										.99
33A'-E	PACOIMA DAM	E	.63				.02	.05																										.70
57B-E	OPID'S	E	1.08	.05																														1.13
85D	CAMP BALDY	E	.98	.28																														1.26
106	WHITTIER	E	.59				.01																											.60
121	LANCASTER	B	.31																															.31
130B	SANDBERG'S	C	.48	.32																														.80
185	GLENDORA	E	.64				T																									.05		.69
241B	LONG BEACH	A	.43	.37				T																										.80
256B	POMONA	E	.54																															.54
283B	CRYSTAL LAKE	E	1.22	.48	T																													1.70
321-E	PINE CANYON	C	.28	.05																														.33
425B-E	SAN GABRIEL #1	E	.76	.16																											T	T		.92
440B	CHILAO	B	.30	.62																														.92
478	VALYERMO	E	.30																															.30
577F	LOS ANGELES	F	.39				.04	.01																							T	T		.44
610B	PASADENA	E	.81	.10			T	T				.10																				.01		1.02
634B	SANTA MONICA	D	.33				.06	.07																							T			.46

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				.26												.01									.64			.15	1.02		2.08
15	VAN NUYS	B				.46															T				.01			.46			.40	.08	1.41
32C-E	NEWHALL	E				.14	T														.07						.62			.14	.47		1.44
33A'-E	PACOIMA DAM	E				.21	.01											.02		T	.01				.05		.56	.01		.38	1.62		2.87
57B-E	OPID'S	E				.36	.27													T	.10						1.16			.28	1.72	.06	3.95
85D	CAMP BALDY	E				.18	.32														.17	.03					.72	.04		T	1.63	.14	3.23
106	WHITTIER	E				.73																					.45			.15	.57	.02	1.92
121	LANCASTER	B																			.08						.23				.08		.39
130B	SANDBERG'S	C				.06														.02	.03						.75			.14	.19	.41	1.60
185	GLENDORA	E				.22	.06													T	.02	.03					.86				1.25	.13	2.57
241B	LONG BEACH	A				.74	.13	T			T										T				T	T	T	.44			.46		1.77
256B	POMONA	E				.23	.13	.01			T									T							.49	.04				.97	1.87
283B	CRYSTAL LAKE	E				.18	.28														.30	.02					1.10	T		.49	1.49	.10	3.96
321-E	PINE CANYON	C																			.01						.39			.13	.53		1.06
425B-E	SAN GABRIEL #1	E				.16	1.25	.09													.02		.02				.86			.16	1.50	.02	4.00
440B	CHILAO	B				.13	.11														.06	.37						.60				1.21	2.48
478	VALYERMO	E																									.16	.06			.49	.09	.74
577F	LOS ANGELES	F			.30	.14	T				T	T						T		T	.01				T		.40	T		.64	.05		1.54
610B	PASADENA	E				.36	.04	T										.02		T	.02				T		.87			.16	.88		2.35
634B	SANTA MONICA	D			T	.44	.04													T							.33				.71		1.52

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											.01			.02																		.03
15	VAN NUYS	B														.09																		.09
32C-E	NEWHALL	E														.08																		.08
33A'-E	PACOIMA DAM	E											T			.10																		.10
57B-E	OPID'S	E														.35																		.35
85D	CAMP BALDY	E														.23																		.23
106	WHITTIER	E														.62																		.62
121	LANCASTER	B														.18																		.18
130B	SANDBERG'S	C						.01																										.01
185	GLENDORA	E											.05			.12																		.17
241B	LONG BEACH	A														T																		T
256	POMONA	E														.15																		.15
283B	CRYSTAL LAKE	E														.71																		.71
321-E	PINE CANYON	C														.04																		.04
425B-E	SAN GABRIEL #1	E														.17																		.17
440B	CHILAO	B														.71																		.71
478	VALYERMO	E														.80																		.80
577F	LOS ANGELES	F														.24																		.24
610B	PASADENA	E	T				T						.03			.16																		.19
634B	SANTA MONICA	D														.06																		.06

TABLE IV

SEASONAL 1950-51 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
32G-E	NEWHALL	E																															0
33A'-E	PACOIMA DAM	E																															0
57B-E	OPID'S	E																															0
85D	CAMP BALDY	E																															0
106	WHITTIER	E																															0
121	LANDCASTER	B																															0
130B	SANDBERG'S	C																															0
185	GLENDORA	E																															0
241B	LONG BEACH	A																															0
256B	POMONA	E																		T	T												T
283B	CRYSTAL LAKE	E																															0
321-E	PINE CANYON	C																															0
425B-E	SAN GABRIEL #1	E																															0
440B	CHILAO	B																															0
478	VALYERMO	E																															0
577F	LOS ANGELES	F									T																						T
610B	PASADENA	E							T					T					T	T													T
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
32G-E	NEWHALL	E																																0
33A'-E	PACOIMA DAM	E																																0
57B-E	OPID'S	E																																0
85D	CAMP BALDY	E																																0
106	WHITTIER	E																																0
121	LANDCASTER	B																																0
130B	SANDBERG'S	C																																0
185	GLENDORA	E																																0
241B	LONG BEACH	A																																0
256B	POMONA	E																																0
283B	CRYSTAL LAKE	E																		.21														.21
321-E	PINE CANYON	C																																0
425B-E	SAN GABRIEL #1	E																												T				T
440B	CHILAO	B																																0
478	VALYERMO	E																	.53	T														.53
577F	LOS ANGELES	F									T																							T
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																												.03	.23			.26
15	VAN NUYS	B																													.09	.01		.10
32G-E	NEWHALL	E																													.04	T		.04
33A'-E	PACOIMA DAM	E																												T	.67	.07		.74
57B-E	OPID'S	E																													.05			.05
85D	CAMP BALDY	E																																0
106	WHITTIER	E																												.01	.06			.07
121	LANDCASTER	B																																0
130B	SANDBERG'S	C																														T		T
185	GLENDORA	E																													.07			.07
241B	LONG BEACH	A	.01																												.09			.10
256B	POMONA	E																												T	T			T
283B	CRYSTAL LAKE	E																																0
321-E	PINE CANYON	C																												.06	.04			.10
425B-E	SAN GABRIEL #1	E																																0
440B	CHILAO	B																																0
478	VALYERMO	E																																0
577F	LOS ANGELES	F																												.10	.05			.15
610B	PASADENA	E																													.19	.02		.21
634B	SANTA MONICA	D																												T	.11			.11

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
32G-E	NEWHALL	E																															0
33A'-E	PACOIMA DAM	E																															0
57B-E	OPID'S	E																															0
85D	CAMP BALDY	E																												.19			.19
106	WHITTIER	E																															0
121	LANCASTER	B																															0
130B	SANDBERG'S	C																												T			T
185	GLENDORA	E																															0
241B	LONG BEACH	A																												.33			.33
256B	POMONA	E																												.01			.04
283B	CRYSTAL LAKE	E																	.03														0
321-E	PINE CANYON	C																															0
425B-E	SAN GABRIEL #1	E																		.25													.25
440B	CHILAO	B																	.04														.04
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 - - - - - - MIDNIGHT GAGE READING

DAYLIGHT SAVING TIME - CLOCK ADVANCED ONE HOUR STARTING APRIL 29, 1951.

NOTE: FOR SEASON TOTALS SEE TABLE VI

TABLE V

SEASONAL 1949 - 50 MONTHLY RAINFALL SUMMARY

RAINFALL RECORDS IN INCHES

STA. NO.	STATION	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	SEAS. TOTAL
2B	ESCONDIDO CANYON	T	1.31	5.15	4.32	2.77	1.35	.83	.05	.10	.02	.01	.31	16.22
3B	SEMINOLE HOT SPRINGS	0	2.18	5.54	3.57	2.13	1.00	1.21	0	0	0	0	.70	16.33
5B	CALABASAS	0	.88	3.70	2.57	1.90	.51	1.06	.02	0	0	0	.14	10.78
6	TOPANGA PATROL STATION	.02	2.42	6.10	4.56	2.34	1.55	1.05	0	0	0	0	.32	18.36
7C	BEL-AIR BAY CLUB	T	1.15	3.86	3.00	2.09*	.62*	.54*	0	0	0	0	.19*	11.45*
9	SEPULVEDA & CHASE - LARSON	0	.53	2.15	2.55	1.40	1.13	1.08	0	0	0	0	.54	9.38
10	BEL-AIR HOTEL	0	1.60	4.17	3.95	2.23	1.18	.83	0	0	0	0	.28	14.24
11C	UPPER FRANKLIN CANYON RESERVOIR	0	1.80	3.48	3.19	1.68	1.00	.71	T	.06	0	0	.25	12.17
12	FRANKLIN - MULHOLLAND PATROL NO. 1	0	1.80	3.65	3.54	1.25	.98	.65	.03	0	0	0	.24	12.14
13	NORTH HOLLYWOOD - BLIX	0	1.22	2.58	2.57	1.47	1.08	.67	.01	.01	0	0	.39	10.00
14	ROSCOE - MERRILL	.02	.88	2.00	1.85	1.57	.82	1.05	T	T	T	0	.52	8.71
15	VAN NUYS - CITY WAREHOUSE	0	.64	2.01	2.51	1.63	.42	1.15	.01	.01	T	0	.30	8.68
17	SEPULVEDA CANYON AT MULHOLLAND HIGHWAY	0	1.35	3.81	3.78	1.60	.60	1.03	0	.05	0	0	.23	12.45
18C	RESEDA	0	.71	2.64	2.70	1.74	.42	.85	0	0	0	0	.36	9.42
20B	GIRARD	.01	.94	3.44	3.12	1.82	.57	.94	.01	T	.01	0	.16	11.02
21	BRANT RANCH - GIRARD	0	.79	2.93	2.83	1.50	.45	.87	0	0	0	0	.15	9.52
23-E	CHATSWORTH RESERVOIR	0	.88	3.48	3.07	1.96	.68	.80	T	0	0	0	.19	11.06
24D	CHATSWORTH	0	1.27	3.75	3.23	2.60	.72	.84	0	0	0	0	.55	12.96
25B	NORTHRIDGE - ANDREWS	0	.70	2.89	2.77	1.93	.51	.70	0	.03	0	0	.49	10.02
27B	PACOIMA - RADDATZ RANCH	0	.88	2.20	2.41	1.66	.86	.91	0	0	0	0	.56	9.48
28C	SAN FERNANDO - SMITH	.02	1.25	2.97	2.74	2.00	1.10	.80	.05	0	T	0	.45	11.38
29B	GRANADA PUMP PLANT	T	1.25	3.48	3.25	2.56	1.10	.91	.05	.10	T	0	.57	13.27
30	SYLMAR	.03	1.79	3.31	2.97	2.47	1.03	1.03	.01	.08	0	0	.61	13.33
31	ORCUTT RANCH - OAT MOUNTAIN	0	2.91	4.58	4.50	3.12	1.77	1.28	0	0	0	0	.74	18.90
32C-E	NEWHALL - SOLEDAD DIVISION HEADQUARTERS	T	1.16	2.43	2.20	1.44	1.08	.73	.01	0	T	0	.27	9.32
33A*-E	PACOIMA DAM	.06	1.99	3.31	2.81	2.31	1.09	1.15	.29	.23	T	0	.96	14.00
39B	SUNSET DAM	.14	1.47	2.51	2.32	1.48	1.08	.78	.02	.41	.02	0	.66	10.89
42	REDONDO CITY HALL	0	.87	2.23	2.93	1.90	.62	.14	.07	0	.02	0	.08	8.86
43A	PALOS VERDES ESTATES - ADMINISTRATION BLDG.	.01	1.15	2.64	2.41	1.94	.53	.12	.07	0	0	0	.12	8.99
43B	PALOS VERDES - GOLF CLUB	.01	.90	2.67	3.20	2.26	.60	.12	.25	.04	0	0	0	10.05
44	POINT VICENTE LIGHTHOUSE	0	.63	2.13	2.07	1.90	.58	.15	.09	.24	0	0	.02	7.81
46C-E	BIG TUJUNGA DAM	.02	3.42	3.58	3.15	2.12	1.93	2.09	.02	0	.02	0	.61	16.96
47A	CLEAR CREEK - CITY SCHOOL	.18	4.44	5.20	3.67	2.70	2.13	1.61	.05	0	0	0	.92	20.90
47C	CLEAR CREEK	.15	4.24	4.76	3.60	2.38	2.06	1.81	.06	0	0	0	.97	20.03
48	OAK WILDE	0	4.17	5.11	3.70	3.09	2.30	1.27	.30*	.17	0*	0*	.90*	21.01 **
50B	LA CANADA - ARROYO SECO DIVISION HEADQUARTERS	.13	2.11	3.99	2.88	2.58	1.39	.73	.17	.12	.03	0	.73	14.86
51	FALLING SPRINGS	.22	3.76	3.94	3.70	2.59	1.78	2.43	.26	0	0	0	0	18.68
52B	SWITZER'S CAMP	.02	4.21	4.45	3.68	2.24	2.21	1.59	.07	0	0	0	.69	19.16
52C	WATERMAN GUARD STATION	.16	4.38	5.88	4.09	2.62	2.35	1.98	.09	0	0	0	.52	22.07
53A	COLBY'S	.09	3.22	4.50	3.61	2.18	1.83	2.66	.16	0	.08	0	.37	18.70
54	LOOMIS RANCH - ALDER CREEK	.22	1.38	2.57	2.57	1.97	.84	1.09	.21	0	.05	T	.21	11.11
57B-E	OPID'S	.11	5.98	7.65	6.13	4.04	2.70	2.86	.10	0	T	0	.65	30.22
58	STURTEVANT CAMP	.25	5.79*	7.89	5.99	4.41	3.14	3.85	.19	.05	0*	0*	.75	32.31*
60A	HOEGEE'S	.29	6.74	7.46	5.53	4.52	3.24	3.46	.37	0	0	0	.78	32.39
62	BIG SANTA ANITA GUARD STATION	.25	4.76	5.81	4.24	3.36	2.90	2.60	.20	.13*	.03*	0	.59*	24.87
63B-E	BIG SANTA ANITA DAM	.30	2.41	4.76	3.48	3.00	2.18	1.95	.19	.24	.04	0	.52	19.07
66	SIERRA MADRE - PEGLER RANCH	.20	2.60*	4.36	3.06	2.58	1.63	1.51	.04*	0	0	0	.40	16.38
67B	MONROVIA CITY HALL	.06	2.54	3.70	2.98	2.55	1.45	1.02	.34	.15	.03	0	.30	15.12
68B	SAWPIT DAM	.30	3.27	4.84	3.61	3.23	2.25	1.76	.31	.22	.03	0	.43	20.25
69	SAWPIT CANYON	.38	3.45	5.49	4.00	3.27	2.28	1.82	.27	.18	.02	0	.43	21.59
70	ROGER'S CANYON - DALTON	.18	3.24	4.17	3.33	2.94	2.02	1.15	.09	.13	T	0	.03	17.28
73	GLENDORA - ENGLEWILD RANCH	.31	2.75	4.50	2.90	3.11	1.92	1.59	.24	.18	0	0	0	17.50
76B	SAN GABRIEL DAM NO. 1 CAMP	.12	4.14	6.00	3.71	2.98	1.66	1.42	.10	.01	0	0	0	20.14
82D	TABLE MOUNTAIN	.60	2.45	2.58	1.23	2.05	.86	1.05	.14	T	.09	0	.16	11.21
83	BIG PINES RECREATION PARK	.46	2.78	4.10	2.68	3.11	1.41	1.68	.20	0	.24	0	.17	16.83
85D	CAMP BALDY GUARD STATION	.55	4.26	5.96	3.77	3.12	1.93	2.35	.03	0	0	0	.37	22.34
87	SAN DIMAS GUARD STATION	.27	3.17	5.75	3.36	3.18	1.94	1.51	.04	0	0	0	0	19.22
89-E	SAN DIMAS DAM	.39	2.96	5.35	3.20	2.73	1.73	1.39	.13	.02	.03	0	0	17.93
90	ELDER RANCH	.37	3.05	5.16	3.05	2.74	1.65	1.22	.05	.08	T	0	0	17.37
91	INDIAN HILL - CLAREMONT		N	O	R	E	C	O	R	D				INC.
92	CLAREMONT - POMONA COLLEGE	.22	1.68	4.32	2.95	2.54	1.12	.91	.11	0	.01	0	T	13.86
93B	CLAREMONT FIRE STATION	.15	1.91	4.30	2.96	2.53	1.27	1.07	.18	.01	.02	0	T	14.40
94	CHARTER OAKS - FIELD'S RANCH	.06	1.97	3.50	2.92	2.95	1.30	1.04	.22	0	0	0	T	13.95
95	SAN DIMAS - FIRE WARDEN	.07	2.11	3.58	3.23	2.81	1.04	1.06	.07	.03	0	0	0	14.00
96-E	PUDDINGSTONE DAM	.10	2.32	3.60	3.17	2.85	1.05	.95	.19	.04	0	0	.01	14.08
98	AZUSA - HIBSCH	.09	2.14	3.83	2.95	3.00	1.51	.78	.15	.18	.02	0	.07	14.72
99	AZUSA - FOOTHILL RANCH	.06	2.10	3.90	2.96	2.96	1.46	.94	.14	.18	.02	0	.13	14.85
101	WEST COVINA - HURST RANCH	.05	1.41	3.28	3.07	2.52	.77	.98	.03	.05	0	0	.03	12.19
102B	WALNUT - SOUTH HILLS PATROL STATION	.01	1.48	3.13	3.04	2.43	.83	1.04	T	0	.01	0	T	11.97
104	NORTH WHITTIER - COLE RANCH	0	1.82	2.47	3.88	2.32	1.32	0	0	0	0	0	0	11.88
105	EAST WHITTIER - SHARPLESS RANCH	0	1.30	2.76	2.53	2.36	.84	.20	0	0	0	0*	.01*	10.00
106	WHITTIER CITY HALL	.01	1.24	2.75	2.67	2.22	.83	.52	.02	.05	0	0	.01	10.32
107C	DOWNEY - FIRE STATION	0	1.66	2.56	2.58	2.15	.73	.39	0	0	0	0	.07	10.14
108B	EL MONTE - FIRE STATION	.05	2.07	3.34	3.09	2.52	1.16	.94	.07	0	.13	0	.09	13.46
109D	WEST ARCADIA	.10	1.93	3.61	3.14	2.45	1.54	.82	.03	.01	.14	0	.36	14.13
110	ALHAMBRA - CITY HALL	.06	2.51	3.79	3.13	2.21	1.23	1.65	0	0	0	0	.53	15.11
111	SOUTH PASADENA - CITY HALL	.04	2.12	3.49	3.00	2.14	1.18	.67	.11	.02	0	0	.70	13.47
116C	INGLEWOOD - FIRE STATION NO. 1	0	1.59	2.76	2.89	1.97	.57	.42	.01	0	.05	0	.24	10.50
117B*	COMPTON - FIRE STATION	0	.93	2.44	2.16	2.24	.66	.16	.03	0	0	0	.04	8.66
118B	WILMINGTON	0	.60	2.93	3.16	2.41	.54	.20	.03	0	0	0	T	9.87
119D	SAWTELLE - SOLDIER'S HOME	T	1.19	3.69	3.50	2.16	.85	.67	0	0	T	0	.18	12.24
120	VINCENT PATROL STATION	.09	.52	.72	.72	.64	.59	.47	.15	0	.16	0	.19	4.25
121	LANCASTER - UNION HIGH SCHOOL	0	.22	.82	.52	.54	.74	.17	.45	0	.02	0	.04	3.52
122B	LEONIS VALLEY - RITTER RANCH	.02	1.50	2.40	1.90	.83	1.31	.82	0	0	.25	0	.10	9.13
124B	BOUQUET CANYON RESERVOIR	0	2.57	3.26	2.93	2.03	1.65	.87	.20	.03	.25	0	.46	14.19
125	SAN FRANCISQUITO CANYON POWER HOUSE NO. 1	.03	2.11	2.77	2.99	2.11	1.71	.71	.28	.01	.27	0	.48	13.47
126B	VENICE - CITY YARDS	0	.98	2.80	2.80	2.20	.61	.38	T	0	0	0	.11	9.86
127	DRY CANYON RESERVOIR	.01	.62	2.31	1.90	1.34	.83	.29	0	0	.18	0	.32	7.80
128B	ELIZABETH LAKE CANYON - WARM SPRINGS CAMP	T	2.69	3.30	3.20	2.50	1.68	1.31	.25	0	.08	0	.72	15.73
130B	SANDBERG'S - QUAIL LAKE PATROL STATION	.18	.44	3.81	1.76	.88	.58	.65	.07	0	.05	0	.08	8.50
134	SAN DIMAS - STEVENS	.20	2.30	4.40	3.22	2.74	1.25	1.24	.12	.15	0	0	0	15.62
135	NORWALK	0	.68	2.84	2.71	2.47	.81	.48	.10	.15	0	0	0	10.24
136B	HOLLYWOOD - CITY ENGINEER	T	1.29	2.92	2.79	2.03	1.01	.72	0	0	0	0	.50	11.26
139	LOS ANGELES WATER DEPARTMENT	T	1.70	3.10	2.70	1.80	.68	.54	T	T	T	0	.23	10.75
140	SAWTELLE - CITY HALL, WEST LOS ANGELES	0	1.13	3.58	3.51	2.15	.83	.40	0	0	0	0	.14	11.74
143	AZUSA - CITY PARK	.07	2.20	3.90	2.89	3.15	1.53	.95	.14	.18	.02	0	.04	15.07
144	SIERRA MADRE DAM	.39	3.44	4.38	3.20	2.81	2.05	2.38	.12	.39	.05	0	.54	19.75
150	MONROVIA FALLS	.35	4.26	5.55	3.96	3.42	2.68	2.11	.32	.17	.02	0	.46	23.30
155B	LITTLE ROCK CREEK	.67	.53	.15	.65	.70	.95	.67	.19	0	.18	0	T	4.69
156	LA MIRADA - STANDARD OIL COMPANY	0	1.01	2.30	2.59	2.43	.87	.72	.10	T	0	0	.05	10.07
157B	EL SEGUNDO - STANDARD OIL COMPANY	T	1.23	2.10	2.22	2.25	.54	.23	.01	.01	.04	0	.16	8.79

TABLE V

SEASONAL 1949 - 50 MONTHLY RAINFALL SUMMARY

RAINFALL RECORDS IN INCHES

STA. NO.	STATION	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	SEAS. TOTAL
158	TANBARK FLATS	.18	3.92	5.96	3.56	3.06	1.74	2.03	.21	.08	T	0	.04	20.78
167	ARCADIA PUMPING PLANT NO. 1	.17	2.49	3.72	3.46	2.44	1.62	1.36	.04	.20	.09	0	.53	16.12
169	SIERRA MADRE PUMPING PLANT	.29	3.00	4.13	3.00	2.66	1.64	1.67	.07	.26	.04	0	.44	17.20
170C	POTRERO HEIGHTS	.04	2.10	3.49	3.34	2.43	1.07	1.09	.05	0	.02	0	.08	13.71
171	CHAPMAN WELLS	.13	2.52	3.92	3.06	2.48	1.34	1.64	.11	.08	.11	0	.44	15.83
172B	DUARTE	.02	2.34	4.00	2.89	2.83	1.50	.93	.04	.18	0	0	.15	14.88
174	GLENDORA - WARREN	.24**	2.28	4.28**	3.03	2.87	1.50	1.29	.17	.11	0	0	0	15.77**
175B	ALTA CANYADA - LA CANADA IRR. DISTRICT	.23	2.64	3.97	3.50	2.48	2.00	1.24	.25	.33	.10	0	1.03	17.77
176	RUBIO CANYON LAND AND WATER COMPANY	.12	2.52	3.86	2.83	2.46	1.66	1.03	.15	.22	.27	0	.75	15.87
177C	LA CANADA - BRADFORD	.16	2.27	3.79	3.18	2.45	1.42	.83	.22	.17	.04	0	.89	15.42
178	AZUSA - GRIFFITH	.04	1.52	3.43	2.41	2.58	1.07	.98	.08	.04	.04	0	.06	12.25
179C	SIERRA MADRE - CARTER	.34	3.63	4.49	3.31	2.78	2.01	2.44	.29	.34	.05	0	.63	20.31
181B	BASSETT - CLIFFORD	.01	1.51	3.22	2.99	2.30	.82	.54	.07*	0*	.13*	0*	.09*	11.68**
185	GLENDORA - WEST	.20	2.32	4.44	2.96	2.98	1.66	1.27	.19	.14	0	0	.03	16.19
188C	SAN DIMAS - MORRISON	.12	2.09	3.85	3.27	2.72	1.12	1.03	.14	.04	.01	0	0	14.39
192B	BELL FIRE STATION	0	1.15	2.70	2.53	1.96	.79	.38	0	0	0	0	.10	9.61
193	COVINA NO. 2 - TEMPLE	.04	1.59	4.13	2.82	2.71	.92	.82	.11	.04	T	0	.03	13.21
196B	LA VERNE - POLICE DEPARTMENT	.11	2.25	4.07	2.90	2.64	1.15	1.01	.13	0	.02	0	.01	14.29
198B	BRAND DEBRIS BASIN	T*	1.43	2.19	2.49	1.56	.71	.68	.02	.05	.01	0	.58	9.72
199B	HUNTINGTON PARK - CITY YARD	0	1.34	2.86	2.45	2.06	.85	.44	0	0	0	0	.23	10.23
200	SAUGUS - SO. CALIF. EDISON CO. SUBSTATION	0	.70	1.94	1.55	1.45	.77	.64	0	0	.02	0	.17	7.24
201	PUENTE HILLS - ALTA MIRA RANCH	0	1.83	3.21	3.37	2.43	1.25	1.05	0	0	0	0	0	13.14
205	PUENTE - SO. CALIF. EDISON CO. SUBSTATION	0	1.47	3.94	3.36	2.17	1.03	1.00	.02	0	.02	0	0	13.01
206	VALENCIA HEIGHTS	.05	1.57	3.18	2.34	2.60	.85	.93	0	0	0	0	0	11.52
208	ARTESIA - BARR LUMBER COMPANY	0	.74	2.16	2.64	2.59	.75	.59	.10	0	0	0	.05	9.62
210B	BRAND PARK	.09	1.43	2.51	2.49	1.65	.76	.94	.04	0	0	0	.67	10.58
213B	LOS ANGELES - HANCOCK PARK	T	1.18	2.88	3.03	2.06	.91	.61	T	T	0	0	.24	10.91
215B	BELLFLOWER - FIRE STATION	0	.65	2.61	2.72	2.60	.78	.52	.03	.01	0	0	.02	9.94
216	GLENDALE - JONES	.02	1.65	3.30	2.37	2.04	1.08	.58	.05	.04	0	0	.69	11.82
217	WATTS - JORDAN HIGH SCHOOL		N O		R	E	C	O	R	D				INC.
219	PACOIMA WAREHOUSE CO. FORESTRY	0	1.02	2.30	2.52	1.58	.93	.91	0	0	0	0	.58	9.84
221B	PACOIMA WASH - DUCKWORTH RANCH		N O	1.25	R	E	C	O	R	D			1.00	INC.
222	LANKERSHIM GENERATING PLANT	T	.51	1.30	1.57	1.20	.68	1.00	0	T	0	0	.37	6.63
223B-E	BIG DALTON DAM	.50	3.65	5.31	3.21	3.28	2.18	2.07	.32	.19	0	0	.10	20.81
224B	LONG BEACH - ALAMITOS LAND COMPANY	.01	.52	2.55	2.22	2.43	.53	.49	.19	.02	0	0	.21	9.21
225	MONTANA RANCH	0	.58	2.11	2.76	2.48	.71	.45	0	0	0	0	.03	9.12
226	BURBANK - FIRE STATION	.03	1.12	2.37	2.33	1.46	.84	.63	.03	.06	.03	0	.37	9.27
227B	SAN GABRIEL - GLEASON	0	2.25	3.57	3.12	1.97	1.38	1.40	0*	0*	0*	0*	.54	14.23**
228B	BEVERLY HILLS - CITY HALL	.02	1.17	3.08	3.79	2.38	.86	.56	0	0	T	0	.15	12.01
230C	LIVE OAK CANYON - ELDER	.20	2.07	4.42	2.94	2.75	1.27	.94	0	0	T	0	0	14.59
234	COVINA - THORPE	0	1.60	2.50	2.62	2.65	.85	.99	.09	0	0	0	0	11.30
235B	HENNINGER FLATS	.36	5.01	4.61	3.24	2.87	2.15	1.76	.33	.37	.10	0	.84	21.64
236	SAN FERNANDO - MOLLIN GROVES	.05	2.05	3.55	2.17	2.51	1.07*	1.20	.32	.29	0	0	1.07	14.28**
237A	STONE CANYON RESERVOIR	T	2.05	4.37	4.01	2.00	1.33	1.38	T	0	.05	0	.31	15.50
238	HOLLYWOOD DAM	.02	1.64	3.34	2.74	1.99	1.22	.64	.01	T	.02	0	.58	12.20
241B	LONG BEACH - VETERANS' MEMORIAL BUILDING	.01	.73	2.80	2.17	2.10	.48	.42	.16	.01	0	0	.05	8.93
246B	CULVER CITY - BUS YARD	.02	1.22	2.32	2.20	1.66	.62	.41	T	T	.04	0	.19	8.68
250C	ACTON CAMP	0	.70	.65	.86	.74	.72	.66	.18	0	.10	0	.09	4.70
251	LA CRESCENTA	.20	3.15	4.61	3.36	2.61	1.87	1.14	.14	.19	T	0	.88	18.15
254	PUENTE - ROWLAND RANCH	0	1.44	3.22	3.24	2.21	1.06	.98	0	0	0	0	0	12.15
255A	MOUNT SAN ANTONIO COLLEGE - SPADRA	T	2.01	3.67	3.15	2.52	.95	.99	.05	.02	T	0	T	13.36
256B	POMONA - FIRE STATION	.04	1.67	3.05	3.31	2.37	.93	.95	.11	.01	0	0	T	12.44
257	GRIFFITH PARK NURSERY	0	1.94	3.65	2.73	2.15	1.36	.53	0	0	0	0	.40	12.76
258a	GRIFFITH PARK TUNNEL	.01	1.98	3.44	2.70	2.04	1.15	.66	0	0	0	0	.43	12.41
258b	GRIFFITH PARK - SOUTH SLOPE MOUNT HOLLYWOOD	.01	2.01	3.42	2.66	2.05	1.15	.63	0	0	0	0	.44	12.37
258C	GRIFFITH PARK - NORTH SLOPE MOUNT HOLLYWOOD	.01	1.98	3.53	2.70	2.12	1.18	.65	0	0	0	0	.46	12.63
259C	CHATSWORTH PATROL STATION	.01	1.65	4.02	3.48	2.85	.81	1.01	0	0	T	0	.15	13.98
261B-E	ACTON - ESCONDIDO CANYON	.05	.75	1.19	1.25	.96	.74	.88	.01	0	.12	0	.39	6.34
263A	POMONA - FRATER	.03	1.28	2.85	3.15	2.36	.77	.68	T	T	0	0	0	11.12
265C-E	PUENTE HILLS - WEISEL RANCH	T	1.43	3.30	3.02	2.81	1.13	.93	0	.11	0	0	T	12.73
266	LEFFINGWELL RANCH - EAST WHITTIER	0	1.06	2.75	2.81	2.60	.93	.85	0	0	0	0	0	11.00
269A	DIAMOND BAR RANCH NO. 1	0	1.25	3.70	2.06	2.72	1.10*	.72*	0*	0*	0*	0*	0*	11.55**
269B	DIAMOND BAR RANCH NO. 2 - HORSE CAMP	0	.97	3.68	3.52	2.77	1.10	.72	0	0	0	0	0	12.76
270	COUNTY FARM - RANCHO LOS AMIGOS	0	1.17	2.82	2.67	2.13	.83	.37	.02	0	0	0	.10	10.11
271	DOMINGUEZ HILLS	0	.79	2.61	2.54	2.45	.57*	1.03	.06	0	0	0	.28	10.33**
272B	LOS ANGELES - HEADWORKS PUMPING PLANT	0	1.48	2.97	1.99	1.62	.90*	.67*	.03*	.06*	.03*	0	.31	10.06**
273C	SAN PEDRO HILLS - WALLACE	0	1.25	2.72	2.96	2.58	.77	.18	0	0	0	0	T	10.46
274	ACTON - HUBBARD	.04	.90	1.28	1.27	.81	.93	.16	0	.17	0	0	.31	6.80
275	SAN MARINO - HUNTINGTON LIBRARY	.07	3.01	4.08	3.46	2.03	1.29	1.26	.09	.08	.12	0	.66	16.15
277	SAWMILL MOUNTAIN RANCH	.02	1.57	4.31	2.37	1.97	1.37	1.89	0	0	0	0	.30	13.80
278B	LOS ANGELES - CLARK MEMORIAL LIBRARY	0	1.16	2.81	2.80	1.90	.70	.45	0	0	0	0	.19	10.01
279A	PASADENA GLEN - KINNELOA RANCH	.27	4.08	4.25	2.92	2.67**	1.85	1.62	.37*	.40*	.04*	0	.51	12.98**
280B	FLINTRIDGE FIRE STATION	.08	2.04	3.84	2.78	2.51	1.42	.73	.19	.13	0	0	.76	14.48
283B	CRYSTAL LAKE - EAST PINE FLATS	.24	4.67	6.84	4.33	3.70	1.85	2.86	.18	T	.12	T	.09	24.88
284	PLACERITA CANYON	T	1.53	2.75	2.50	1.68	1.13	1.22	.02	.04	.04	0	.81	11.72
285C	MOUNT SAINT MARY'S COLLEGE	0	1.92	5.03	4.38	2.25	1.42	.73	T	.01	0	0	.41	16.15
287	GLENDORA - MUTUAL CONSOLIDATED IRR. CO.	.14	2.18	3.96	2.85	3.05	1.62	1.18	.07	.73	0	0	.03	15.31
289	LAGUNA - BELL - SO. CALIF. EDISON CO. SUBSTATION	0	1.20	2.67	3.10	2.21	.82	.42	T	T	0	0	.13	10.55
290	NEWMARK - SO. CALIF. EDISON CO. SUBSTATION	0	1.69	3.25	2.75	2.19	.81	.65	0	0*	.02*	0*	.08*	11.44**
291	LOS ANGELES - 96TH AND CENTRAL	0	1.10	2.80	2.45	2.16	.72	.40	0	0	0	0	.14	9.77
292B-E	ENCINO RESERVOIR NO. 2	T	1.13	3.08	3.32	1.67	.46	1.14	0	0	0	0	.30	11.10
293-E	LOWER SAN FERNANDO RESERVOIR	0	1.50	3.35	2.98	2.44	1.38	.93	T	.05	0	0	.45	13.08
294	SIERRA MADRE - MIRA MONTE PUMPING PLANT	.34	3.23	4.48	3.05	2.75	1.96	2.38	.11	.41	.04	0	.58	19.33
295F	GLENDALE - KENNEDY	T	1.77	3.51	2.39	2.04	1.24	.52	.02	.01	0	0	.50	12.00
298B	GORMAN	0	.39	2.18	1.84	1.55	.63	.43	.25	0	0	0	0	7.27
299C	LITTLE ROCK	.16	.48	.13	.51	.63	.51	.29	.22	0	0	0	.02	2.95
303F	PASADENA - CAL TECH	.07	2.84	4.02	3.16	2.36	1.33	1.00	.09*	.08*	.12*	0*	.77	15.84**
304	SAWPIT CANYON - DEER PARK	.38	5.22	6.62	4.41	3.71	2.98	2.40	.35	.17	.01	0	.43	26.68
306C	TRANCAS BEACH	.02	.63	2.94	3.63	2.53	.58	1.30	0	0	.01	0	.12	11.76
307	SNOW CREST CAMP	.56*	4.36*	6.27	4.69	3.35	.83	2.05	.03*	0*	0*	0*	.39*	22.53*
311b	PASADENA METEOROLOGICAL STATION	.10	2.31	3.77	3.00	2.51	1.39	.96	.08	.14	.05	0	.79	15.10
312	AZUSA PLANT - GLENDORA IRR. CO.	0	3.31	3.72	2.99	3.02	1.68	.96	.03	.24	0	0	0	15.95
321-E	PINE CANYON PATROL STATION	0	1.87	3.22	2.41	1.73	1.63	1.24	.11	0	.06	0	.82	13.09
322	MUNZ VALLEY RANCH	0	1.26	.66	.85	.84	.98	.43	0	0	0	0	.24	5.26
334B-E	SAN GABRIEL DAM NO. 2	.06	3.56	5.93	4.63	2.85	1.33	2.96	.04	T	T	0	.16	21.52
336-E	SILVER LAKE RESERVOIR	0	1.20	2.92	2.35	1.78	.88	.46	0	0	0	0	.21	9.80
338A	MOUNT WILSON - OBSERVATORY	.07	6.16	5.57	4.98	3.30	2.35	2.56	.06	0	T	0	.67	25.72
338B	MOUNT WILSON - AIRWAYS STATION	.12	5.40	5.56	4.39	3.34	1.38	1.93	.09	T	.04	0	.58	22.83
339	WALNUT FRUIT GROWERS' ASSOCIATION	.01	1.32	3.03	3.26	2.51	.81	1.01	.04	0	0	0	0	11.99
341	ALISO CANYON - BLUM RANCH	.06	.66	.52	.89	.68	.69	.58	.15	0	.09	0	.22	4.64
342	UPLAND - CADNUM	.23	2.03	5.72	3.05	2.47	1.39	1.11	.04	.02	.09	0	0	16.15

TABLE V

SEASONAL 1949 - 50 MONTHLY RAINFALL SUMMARY

RAINFALL RECORDS IN INCHES

STA. NO.	STATION	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	SEAS. TOTAL
343B	RIVERA - TELEGRAPH ROAD	0	1.47	2.48	2.93	2.24	.75	.12	0	0	0	0	.05	10.04
347-E	BALDWIN PARK EXPERIMENTAL STATION	.01	1.66	3.38	2.99	2.59	.06	.71	.13	.05	T	0	.17	11.75
349B	CAMP RINCON	.07	4.09	6.68	3.77	2.99	1.69	1.81	.10	0	T	0	T	21.20
351F	PALMDALE	.17	.50	1.06	.74	.58	1.13	.51	.27	0	.22	0	.07	5.25
352	LACHUSA PATROL STATION	.04	1.89	5.21	4.74	3.20	1.99	1.07	.02	.05	0	0	.28	18.49
354D	CAMP BALDY - BOYS' CAMP	.35	3.22	5.94	3.92	3.03	1.70	2.23	.04	0	0	0	.35*	20.78**
355	LOS ANGELES - CITY COLLEGE	0	1.37	2.87	2.48	1.79	1.22	.55	0	0	0	0	.21	10.49
356B	SPADRA - PACIFIC COLONY	T	1.41	2.83	3.01	2.41	.91	.93	.04	.02	0	0	.01	11.57
357	SAN FERNANDO POWER HOUSE NO. 3	.02	1.73	3.46	3.21	2.76	1.29	1.04	.02	.05	0	0	.60	14.05
362	EL MIRADOR RANCH	.07	2.45	3.66	2.74	2.47	1.46	.74	.08	.13	0	0	.83	14.63
364	HAINES CANYON - LOWER	.08	3.50	3.75	2.96	2.08	2.00	1.90	.06	.15	.10	0	.80	17.38
367	HAINES CANYON - UPPER	.12	4.13	4.25	3.22	2.22	2.10	2.00	.08	.10	.17	0	.90	19.29
372	SAN FRANCISQUITO POWER HOUSE NO. 2	.02	1.66	2.93	2.94	1.92	1.64	.56	.18	T	.15	0	.53	12.53
373	BRIGGS TERRACE	.25	3.10	4.76	3.47	2.60	2.06	1.14	.15	.31	.04	0	.96	18.84
375B	GRIFFITH PARK ZOO	.02	1.99	3.69*	2.70	2.05*	1.33	.65	T	0	0	0	.02*	12.45*
377F	LAKE SHERWOOD ESTATES	.01	1.88	5.26	3.33	2.13	1.12	1.00	0	0	0	0	.17	14.90
379B	SAN GABRIEL - EAST FORK	.15	3.48	4.98	3.56	2.75	1.39	1.49	.17	.02	0	0	T	17.99
380	EL SERENO - MORGAN	0	1.76	3.39	2.54	1.98	1.31	.79	0	0	0	0	.46	12.23
381B	SANTA MONICA - OUTLOOK	T	1.01	2.93	3.30	2.04	.57	.48	T	0	.02	0	.09	10.44
384B	HIGHLAND PARK - SAN RAFAEL HILLS	.12	2.24	3.96	2.80	2.19	1.16	.63	.06	.06	0	0	1.03	14.25
386B	ZUMA CANYON - OAKLEY	0	2.60	6.77	4.76	2.97	1.96	.81	.02	.05	0	0	.26	20.20
387B	COVINA - SEWAGE DISPOSAL PLANT	.05	1.35	4.29	2.14	2.66	.95	.70	0	0	0	0	0	12.14
388B	CLEARWATER - CO. FIRE STATION	0	1.17	2.63	2.25	2.32	.74	.44	T	0	0	0	.05	9.60
389	GLENDORA - BROWN	.25	2.47	4.29	2.99	3.18	1.85	1.44	.21	.19	0	0	.04	16.91
390B-E	MORRIS DAM	.26	3.53	5.15	3.90	3.25	2.03	1.19	.15	.09	.01	0	.02	19.58
391B	MONTEBELLO - FIRE DEPARTMENT	0	1.68	2.84	2.85	2.14	.95	.72	0	0	0	0	.13	11.31
394	HIGHLAND PARK - LINDSAY	.05	2.26	3.78	2.58	2.12	1.12	.52	.02	.03	.01	0	.75	13.24
395	OLIVE VIEW SANITARIUM	0	2.16	3.73	3.01	2.70	1.13	.96	0	0	0	0	.64	14.33
402C	CEDAR SPRINGS - STATE PRISON CAMP	.15	3.36	5.35	4.39	4.30	2.05	2.23	.69	0	.18	0	.09	22.79
404	GLENDALE - DPID'S	.01	1.59	3.35	2.34	2.12	1.05	.54	.05	.02	0	0	.46	11.53
405	SOLEDAD CANYON - ECKLES	T	1.55	1.70	1.94	1.14	1.01	1.10	0	.04	0	0	.25	8.73
406C	WEST AZUSA - AZUSA IRR. CO. PLANT NO. 6	.02	1.64	3.90	2.73	2.73	1.28	.84	.15	.12	0	0	.04	13.45
407	NEWHALL - U. S. F. S. HEADQUARTERS	0	1.95	2.96	2.85	1.70	1.23	1.05	0	0	.02	0	.70	12.46
409	RIDGE ROUTE - STATE HIGHWAY MAINTENANCE STA.	0	.59	3.52	1.86	1.92	.65	.65	.09	0	0	0	.08*	9.36**
410A	RIDGE ROUTE - PARADISE RANCH	0	2.32	3.64	3.26	2.31	1.23	.89	.26	.05	.27	0	.45	14.68
411B	RIVERA - PICO - ROBINSON	0	1.60	2.91	3.11	2.30	.81	.49	0	.03	0	0*	.02	11.27
415	SIGNAL HILL - CITY HALL	0	.65	2.78	2.39	2.54	.64	.35	.08	0	0	0	.14	9.57
416	ALTADENA - VENTURA STREET	.19	2.24	4.02	2.87	2.46	1.55	1.31	.18	.25	.17	0	.77	16.01
417	SIERRA MADRE - LAMANDA PARK CITRUS ASSOC.	.10	3.23	3.90	2.43	2.39	1.29	1.44	.04	0	.15	0	.46	15.43
419	SANTA CLARA RIDGE - MOUNT GLEASON	0	2.90	4.07	3.99*	1.22	1.65	1.04	.07	0	0	0	0	14.94
420A	ACTON - COLOMBO RANCH	0	.75	1.24	1.05	.75	.88	.88	0	0	0	0	0	5.55
421B	LOPEZ CANYON BELOW MOUTH	0	1.32	2.31	2.29	1.95	.75	.82	.11	.14	0	0	.64	10.33
422C	PACOIMA CANYON - WALSH RANCH	.03	3.10	4.49	3.09	2.62	1.83	1.98	.07	.07	.06	0	1.25	18.59
423	ALISO CANYON - WAGON WHEEL RANCH	.18	1.41	3.22	2.56	1.81	1.19	1.68	.29	0	.09	0	.21	12.64
425B-E	SAN GABRIEL DAM NO. 1	.14	3.90	5.75	3.93	3.24	1.99	1.49	.10	.01	.02	0	.04	20.61
427	DOWNEY - JORDAN	T	1.35	2.65	2.91	2.06	.81	.49	.02	T	0	0	.12	10.41
430	SAUGUS - STATE HIGHWAY MAINTENANCE STA.	0	.60	1.83	2.31	1.38	.81	.47	0	0	0	0	.17	7.57
432	SANTA ANITA - FERN LODGE	.25	5.02	6.98	4.74	3.88	2.87	3.14	.14	T	.03	0	.63	27.71
433	ALTADENA - FARNSWORTH PARK	.28	2.92	3.71	2.80	2.45	1.84	1.12	.32	.26	0*	0*	.83*	16.53
434	MALIBU - DIVISION HEADQUARTERS	T	1.21	3.95	2.80	1.78	.52	1.06	0	0	0	0	.21	12.64
435	MONTE NIDO CANYON	.03	2.08	5.34	3.53	2.27	1.53	.80	0	0	0	0	.25	15.83
436B	HANSEN DAM - OFFICE	T	.56	1.58	1.80	1.24	.42	.80	.04	.04	0	0	.44	6.92
437	HAMILTON BOWL - LONG BEACH	0	.63	2.47	2.42	2.41	.63	.38	.15	0	0	0	.11	9.20
440B	CHILAO - U. S. F. S. CAMP	.04	2.30	3.25	2.95	1.93	1.30	1.70	.10	0	0	0	.30	13.87
441-E	PALMDALE - COUNTY ROAD MAINTENANCE YARD	.10	.50	1.04	.67	.59	1.10	.45	.27	0	.18	0	.70	5.60
442	MESCAL CREEK - FORT TEJON ROAD	.03	.37	.71	.61	.72	.60	.16	.11	0	.47	0	.14	3.92
443	LATIGO CANYON ROAD AT MULHOLLAND ROAD	.03	2.53	7.01	4.11	2.74	1.37	1.28	.02	.04	0	0	.19	19.32
444B	ROLLING HILLS - PALOS VERDES HILLS	0	1.13	3.25	3.65	2.62	.98	.23	.05	0	0	0	.02	11.93
445B	LIVE OAK DAM	.45	2.60	4.63	3.04	2.79	1.40	1.22	.12	.10	0	0	.02	16.37
446	ALISO CANYON - SANTA SUSANA MOUNTAINS	.02	2.02	3.97	3.66	2.96	1.27	1.12	.07	.10	0	0	.95	16.14
447B	LAS FLORES PATROL STATION	0	1.12	4.27	3.49	2.01	.80	.52	T	.02	0	0	.44	12.67
449	EATON DAM	.16	3.39	4.27	2.92	2.45	1.46	1.39	.18	.19	.14	0	.46	17.01
451B	CASTAIC PATROL STATION	0	.90	2.27	2.08	1.51	1.23	.47	0	0	.08	0	.13	8.67
453	DEVIL'S GATE DAM	.09	2.10	3.83	2.52	2.29	1.32	.76	.13	.13	.06	0	.70	13.93
454	LOS ANGELES - WOOD	.01	1.25	2.51	3.02	2.02	1.79	.44	0*	0*	0*	0*	.19*	10.23**
455	LANCASTER - STATE HWY. MAINTENANCE STATION	T	.28	.97	.69	.41	.82	.32	.58	0	.07	0	.08	4.22
456	PIUTTE BUTTE - GOLDEN MESA DUDE RANCH	.04	.22	.42	.40	.46	.60	.15	.24	0	.38	0	.01	2.92
457B	LOS ANGELES - ZALVIDEA STREET	T	1.48	2.98	2.40	1.79	.96	.80	0	0	0	0	.22	10.63
458	ZUMA CANYON PATROL STATION	.02	.86	3.90	4.34	2.67	.58	.55	T	T	0	0	.21	13.13
460	PLEASANT VIEW MESA - MATAY	0	.64	1.14	1.24	.95	1.10	.62	.14	0	0	0*	.16*	5.99**
461	BALDWIN HILLS - STANDARD OIL FIELD OFFICE	0	1.11	2.39	2.63	1.87	.70	.48	0	0	0	.03	.34	9.55
462	HILLCREST COUNTRY CLUB - LOS ANGELES	0	1.17	2.91	2.93	2.17	.92	.61	.04	.01	T	0	.20	10.96
463	MAR VISTA - SO. CALIF. WATER COMPANY	T	1.04	2.85	2.79	1.87	.63	.40	0	0	.01	0	.07	9.66
464	TUJUNGA CANYON - HONOR CAMP NO. 5	.03	2.79	3.78	3.20	2.23	1.55	3.37	.07	0	0	0	.56	17.58
465B	SEPULVEDA DAM - AUTOMATIC	0	.41	1.79	2.17	1.43	.24	1.01	T	T	0	0	.19	9.24
466B	PACOIMA CANYON - DUTCH LOUIE CANYON	.08	3.44	4.77	3.25	2.65	2.08	1.84	.30	.06*	.05*	0	1.10	19.62**
468-E	PICKENS DEBRIS BASIN	.14	2.44	4.25	3.42	2.51	1.87	1.04	.18	.26	.03	0	.97	17.11
469	LOS ANGELES - CRISLER	T	1.64	2.95	2.73	1.95	1.04	.67	T	T	T	0	.32	11.30
470	TUJUNGA - MILL CREEK	.13	1.24	2.58	2.05	1.69	.82	1.17	.07	0	0	0	0	9.75
471	LITTLE TUJUNGA - GOLD CREEK	.01	2.52	3.67	2.56	2.07	1.75	1.83	.07	0	.07	0	.82	15.37
473	AQUA DULCE CANYON - BLACKWELL RANCH	0	.97	.95	1.44	.92	.76	.95	.06	0	.06	0	.27	6.38
474B	SOUTH GATE - FIRE DEPARTMENT	0	1.12	2.70	2.87	2.35	.73	.35	0	0	0	0	.07	10.19
475	SAUGUS - NEWHALL LAND AND FARMING COMPANY	0	.67	1.76	1.73	1.39	.89	.48	0	0	.04	0	.13	7.29
476B	TRIUNFO CANYON	0	1.44	5.15	3.10	1.38	.42	.80	0	0	T	0	.10	12.39
477B	SANTA ANITA - SPRING CAMP	.16	6.00	7.40	5.55	3.61	2.44	3.56	.13	0	.04	0	.48	29.37
478	VALYERMO - U. S. F. S. HEADQUARTERS	.06	.55	.51	1.07	.84	.72	.26	.12	0	.16	0	.32	4.61
480B	TEMPLE CITY FIRE STATION	.09	1.78	3.06	3.13	2.56	1.16	.92	.03	0	.14	0	.37	13.24
482	LOS ANGELES - U. S. C.	0	1.51	2.73	2.86	2.02	.66	.38	0	0	T	0	.11	10.27
485	COVINA - BURCH	.02	1.56	3.35	2.75	2.57	1.10	1.03	0	0	0	0	.04	12.42
486B	COLDWATER CANYON - WIDMAN RANCH	1.03	3.82	4.90	3.35	2.87	1.94	1.98	.19	.04	.13	T	.18	20.43
488	KAGLE CANYON PATROL STATION	.02	1.40	2.52	1.97	1.88	.92	.95	.22	.10	0	0	.60	10.58
489	COLD CREEK - STUNT'S RANCH	0	1.85	4.85	3.04	2.02	.95	1.23	.01	0	T	0	.22	14.17
490	LANCASTER - WILEY RANCH	0	.19	.53	.11	.39	.77	.07	.04	0	.21	0	0	2.31
491	PACIFIC PALISADES	0	1.19	3.55	4.18	2.34	.69	.60	0	0	0	0	.19	12.74
492	CHILAO - STATE HWY. MAINTENANCE STATION	T	2.07	3.56	2.91	1.88	1.08	1.55	T	0	T	0	.34	13.39
493	SAND CANYON - MACMILLAN RANCH	T	1.69	3.03	2.76	1.56	1.31	1.37	0	0	0	0	.45	12.17
494	PICO - CATE	0	1.58	2.72	3.17	3.04	1.05*	.52	0	0	0	0	.08	12.16
495	LOS ANGELES - EIGHTH AND FIGUEROA STREETS	T	1.85	3.14	2.72	2.15	.97	.55	T	T	T	0	.24	11.62
497	CLAREMONT - SLAUGHTER	.39	2.20	4.17	2.87	2.64	1.25	1.08	.04	.06	0	0	.01	14.71
498	ANGELES CREST HIGHWAY - DARK CANYON TRAIL	.15	3.78	4.42	3.84	3.15	2.06	1.39	.19	.07	0	0	1.18	20.23

TABLE V

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RAINFALL RECORDS IN INCHES

STA. NO.	STATION	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	SEAS. TOTAL
508C	ARROYO SECO - RANGER STATION	.25	2.34	3.79	2.96	2.56	1.69	.89	.29	.02	.13	0	.82	15.74
517	ANDERSON RANCH	.24	1.12	1.92	1.55	1.50	1.27	.81	.12	0	.17	0	0	8.70
529	CHINO - AMERICAN BEET SUGAR COMPANY	.04	1.30	2.64	3.55	2.50	.75	.62	T	0	0	0	T	11.40
530	CONEJO RANCH	0	1.09	3.56	2.78	1.73	.56	.88	0	0	0	0	.20	10.80
542	FAIRMONT	T	1.24	1.81	2.18	1.24	1.23	1.05	T	0	T	0	.40	9.15
551	HUENEME LIGHTHOUSE	0	.30	5.01	3.38	2.55	.17	.36	0	.05	0	0	.17	11.99
557	LA HABRA - CITRUS ASSOCIATION	T	1.05	2.65	2.63	2.62	.86	.78	.08	0	0	0	0	10.67
565B	LONG BEACH - CITY AUTOMATIC	T	.46	2.78	2.29	2.23	.56	.27	.10	T	0	0	0	8.69
566	LONG BEACH NO. 1	T	.80	2.71	2.82	2.50	.66	.43	.13	T	0	0	.05	10.10
571B	LONG BEACH NO. 6	.01	.73	2.80	2.17	2.10	.48	.36	.24	T	0	0	0	8.89
575B	LONG BEACH - WEATHER BUREAU	T	.69	3.49	2.62	2.65	.54	.38	.14	.01	T	0	.25	10.77
577E	LOS ANGELES - 6TH AND MAIN STREETS	T	2.01	2.68	2.61	1.73	.86	.48	T	T	.01	0	.27	10.65
577F	LOS ANGELES - FEDERAL BUILDING	.01	2.18	2.72	2.57	1.67	.87	.56	T	T	.01	0	.38	10.97
587	SAN ANTONIO CANYON - POWER HOUSE NO. 1	.29	3.49	7.04	3.22	2.77	2.31	1.68	.12	.02	0	0	.15	21.09
588B	MOUNT LOWE	.10*	5.95	6.01*	5.73*	3.17*	2.04	2.25*	.08*	0*	0*	0*	.51*	25.84*
593B	NEWHALL RANCH	0	1.46	3.56	3.03	1.76	.82	1.05	0	0	.06	0	.18	11.92
594B	NEWHALL	0	1.26	2.53	2.19	1.39	1.03	.86	.01*	0*	T*	0*	.27*	9.54**
598	NEENACH	.03	0	.90	.88	.53	.60	.20	.12	0	0	0	T	3.26
610A	PASADENA - JONES	.13	2.91	4.34	3.02	2.57	1.45	1.13	.14	.22	.14	0	.67	16.72
610B	PASADENA - CITY HALL	.07	2.55	4.27	3.16	2.42	1.29	.69	.14	.12	.13	0	.82	15.66
611B	PASADENA - ALLEN	.18	3.02	4.08	2.83	2.44	1.65	1.19	.21	.17	.12	0	.67	16.56
612	PASADENA - CHLORINE PLANT	.24	2.22	3.75	2.81	2.53	1.67	.94	.31	.26	.11	0	.82	15.66
613B	PASADENA - HURLBUT FIRE STATION	.05	2.37	4.01	2.90	2.23	1.25	.55	.08	.07	0	0	.79	14.30
617	POMONA - ADAMSON	T	2.07	3.35	3.96	2.62	1.02	1.01	.09	.01	.08	0	.01	14.22
618	SANTA SUSANA - WIECKHORST RANCH	0	1.13	3.69	1.88	1.85	.80	.81	0	.20	0	0	T	10.36
619	SAN ANTONIO CANYON - SIERRA POWER HOUSE	.22	4.30	7.10	3.76	3.51	2.34	2.32	.15	0	0	0	.35	24.05
627	SAN GABRIEL CANYON POWER HOUSE	.13	2.91	3.98	3.09	3.00	1.81	1.13	.11	.18	T	0	.05	16.39
629C	SAN PEDRO U. S. W. B.	0	.60	3.56	3.32	1.82	.53	.10	.09	T	T	0	.02	10.04
634B	SANTA MONICA - CITY HALL	T	.87	3.06	3.32	2.13	.51	.55	T	T	T	0	.10	10.54
644	SOMIA - SNYDER RANCH	0	1.35	4.09	3.49	2.51	.86	.70	0	T	0	0	.15	13.15
647G	SUNLAND - TUJUNGA - (U. S. W. B.)	.06	1.95	2.55	2.09	1.59	1.19	1.28	.08	.05	T	0	.65	11.49
650B	UPLAND - BAIRD	.26	2.51	5.43	2.70	2.49	1.64	1.31	.06	.08	.02	0	0	16.50
656A	SUNLAND	.02	1.59	2.35	1.75	1.60	1.09	1.25	.06	.03	.01	0	.61	10.36
660	OXNARD	0	.68	4.46	3.41	1.64	.55	.60	.02	.05	.07	0	.25	11.73
662	LONG BEACH - 37TH AND GAVIOTA	T	.71	2.60	3.71	2.67	.80	.68	.19	T	0	0	.01	11.37
666	LONG BEACH - SOUTH AND LEMON	T	.81	2.64	2.96	2.68	.79	.36	.02	T	0	0	.12	10.38
671B	L. A. - WABASH - SO. CALIF. EDISON CO. SUBSTA.	.04	1.75	2.90	2.50	1.99	1.01	.61	T	T	0	0	.47	11.27
672	EAGLE ROCK - SO. CALIF. EDISON CO. SUBSTA.	.05	2.33	3.66	2.66	2.30	1.21	.86	.06	.11	0	0	.87	14.11
673B	SEAL BEACH - L. A. POWER AND LIGHT CORP.	0	.71	2.99	2.11	2.36	.60	1.10	.23	0	T	0	.09	10.19
676	LOS ANGELES - WEST 80TH STREET	T	1.77	2.50	3.04	2.07	.69	.41	T	0	T	0	.08	10.56
677C	PASADENA - HOFFNER	.10	2.30	4.03	2.86	2.49	1.49	.84	.14	.17	.05	0	.83	15.30
678	PASADENA - SHELDON RESERVOIR	.10	2.39	3.88	2.84	2.52	1.47	1.04	.14	.20	.05	0	.78	15.41
679	PUENTE - NO. WHITTIER HEIGHTS CITRUS ASSOC.	0	1.67	3.67	3.59	2.37	1.08	.87	.03	0	.03	0	0	13.31
680	WESTWOOD - U. C. L. A.	T	1.63	3.96	3.82	2.28	1.17	.56	.01	.03	T	0	.26	13.72
681A	SANTA ANITA RANGER STATION	.24	3.25	4.70	3.25	3.00	1.31	2.32*	.27*	.32	.05	0*	1.00	19.71**
683	SUNSET RIDGE GUARD STATION	.33	2.69	4.13	2.99	2.44	1.87	1.22	.33	.45	0	0	.83	17.28
684	ARCADIA WAREHOUSE - U. S. F. S.	.12	2.19	3.71	3.06	2.42	1.34	1.07	T	.20*	.09*	0*	.53*	14.73**
689B	SAN MARINO - COOPER	.13	2.72	3.87	3.23	2.25	1.31	.86	.06	.11	0	0	.76	15.30
691	SAN ANTONIO SPREADING GROUNDS	.38	2.77	5.46	2.86	2.57	1.71	1.63	.09	.12	T	0	0	17.59
694B	TUJUNGA CANYON - U. S. F. S. GUARD STATION	T	2.09	2.73*	2.71	1.62	N	O	R	E	C	O	R	D	INC.
695	TUJUNGA CANYON - VALHALLA RANCH	.01	4.03	4.77	3.88	2.27	1.90	2.13	.03	0	.40	0	.44	19.86
696	PASADENA GLEN	.28	4.28	4.42	2.98	2.73	1.97	1.67	.37	.40	.04	0	.62	19.76
703	GLENDALE - MC INTYRE	0	1.96	3.34	2.50	2.03	1.20	.52	.06	.04	0	0	.49	12.14
705	ALDER CREEK - PARADISE RANCH	.01*	2.52*	3.01	2.35	2.07	1.56	1.52	.31	.06	.05	0	.85	14.31**
706	RIVERA - HADLEY RANCH	0	1.57	2.86	3.00	2.17	.86	.43	.02	0	0	0	.15	11.06
715	L. A. (NO. 2 - U.S.W.B.) - P.O. TERMINAL BLDG.	T	2.09	3.06	2.65	1.84	.92	.57	T	T	.01	0	.44	11.58
716	L. A. W. D. - DUCOMMUN STREET	T	2.34	2.94	2.79	1.87	.93	.53	T	T	T	0	.53	11.93
718	THOUSAND OAKS	0	1.04	4.05	2.71	2.12	.51	.94	0	0	0	0	.13	11.50
719	DUARTE - MADDOCKS RANCH	.06	2.66	3.96	3.05	2.78	1.69	1.08	.10	.22	T	0	.13	15.73
720	SIMI VALLEY - SMITH RANCH	0	1.34	3.88	2.24	2.01	.68	1.12	0	.06	0	0	.29	11.62
722B	BELLEVIEW - STRATMAN	0	1.17	1.33	1.26	.63	.88	.58	.10	0	0	0	.01	5.96
723	STONE CANYON - SAN FERNANDO VALLEY	T	1.44	3.45	3.47	1.68	.65	1.01	T	.03	.02	0	.24	11.99
724	BIG DALTON - MONROE CANYON FLUME X	.62	3.97	5.53	3.22	3.33	2.02	1.97	.16	.10	0	0	.05	20.97
725	BIRMINGHAM HOSPITAL	0	.45	2.02	2.49	1.61	.29	.75	0	0	0	0	.21	6.73
726	ANGELES CREST - GUARD STATION	.13	3.91	4.72	3.73	2.84	2.48	1.38	.30	.27	.12	0	1.25	21.13
727	NEWCOMB PASS	.24	7.80	8.92	6.23	4.96	2.45	4.39	.15*	.03	0	0	.86	36.03**
728	PACOIMA CANYON - CITY ROAD GAGE	0	4.40	4.13	3.63	2.67	2.51	2.62	.19	.06	0	0	.95	21.36
729	MAGIC MOUNTAIN RIDGE - INDIAN CANYON	0	4.52	5.49	3.89	2.99	1.14	2.38	.20	.02	0	0	.70	21.33
730	MILLARD CANYON - DAWN MINE	.30	3.72	4.21	2.88	2.83	2.25	1.30	.39	.24	0	0	1.01	19.13
731	OAK GROVE HEADQUARTERS - U.S.F.S. FLOOD CONTROL	.18	2.22	3.96	2.90	2.59	1.47	.87	.19	.17	0	0	.76	15.31
732	ROBERT'S CANYON - SAN GABRIEL WEST FORK DIVIDE	.31	6.69	8.10	4.95	11.15	2.11	3.36	.35	.04	0	0	.43	37.49
733	ARROYO SECO - CLOUDBURST CANYON	.17	5.77	7.95	5.81	3.83	2.22	2.26	.11	0	0	0	.63	28.75
734	LOS ANGELES - MUNICIPAL AIRPORT	T	1.46	2.21	2.53	2.04	.47	.41	T	.02	.03	T	.11	9.28
735	BELL CANYON - PLATT RANCH	0	.89	3.37	2.83	.74	1.57	.80	0	0	0	0	.15	10.35
737	UPPER SESPE - CHORO GRANDE RANCH	T	1.51	5.68	2.84	2.34	.90	1.23	0	0	.11	0	.36	14.97
739	SANTA PAULA - LIMONEIRA RANCH	0	1.40	3.47	2.96	2.65	1.09	.62	T	.04	T	0	.10	12.33
740B	SAN DIMAS CANYON - FERN NO. 2	.24	4.73	7.04	3.99	3.51	2.15	2.31	.11	.01	0	0	0	24.09
741	SAN DIMAS CANYON - UPPER EAST FORK	.13	3.73	6.20	3.30	3.12	1.80	1.93	.30	.10	0	0	0	20.61
742B	SAN GABRIEL - FIRE DEPARTMENT	.06	1.93	3.86	2.98	2.39	1.16	1.11	.02	.03	.03	0	.31	13.88
746	MOHAVE - BACKUS RANCH	T	.31	.99	.40	.31	.34	.24	T	0	0	T	.08	2.67
747	SANDBERG - AIRWAYS STATION	.03	.44	3.06	.74	.88	.49	.46	.02	T	.04	0	.10	6.28
749	BURBANK - U. S. W. B.	.01	1.05	2.22	2.20	1.45	1.02	1.00	.03	.03	T	0	.55	9.56
750	PALMDALE - C. A. A. A. C. STATION	.05	.29	.75	.33	.18	.59	.16	.02	0	.16	0	.05	2.58
751	TORRANCE - FIRE DEPARTMENT	.01	.79	2.71	2.61	2.26	.57	.29	.19	T	0	0	.02	9.45
752	MONROVIA - GEARY	.06	2.45	3.78	3.12	2.71	1.42	1.12	.07	.16	.07	0	.39	15.35
754B	LYON'S CANYON - NEWHALL	0	1.10	3.29	2.91	1.60	1.56	1.22	T	0	.02	0	.20	11.90
755	GRIFFITH PARK - LITTLE CANYON	.05	1.84	3.53	2.44	2.12	1.37	.54	T	0*	0*	0*	T	11.89
756	GRIFFITH PARK - UPPER SPRING CANYON	0	1.87	3.64	2.47	2.03	1.31	.62	T	0*	0*	0*	T	11.94
757	GRIFFITH PARK - FERN DELL	.03	1.70	3.32	2.37	1.92	1.14	.55	T	0*	0*	0*	T	11.03
758	GRIFFITH PARK - LOWER SPRING CANYON	.02	1.98	3.69	2.69	2.05	1.36	.63	T	0*	0*	0*	.02*	12.44
759	HOLLYWOOD - COURTNEY AVENUE 1736	T	1.22	3.25	2.75	2.00	.95	.62	T	0*	0*	0*	.50*	11.29
760	STUDIO CITY - GOODLAND AVENUE 3913	0*	1.30	2.83	2.85	1.52	.73	.89	T	0*	0*	0*	T	10.12
761	STONE CANYON - NORTH	0*	1.68	3.75	3.47*	1.44	1.18	.92	0*	.03*	.02*	0*	.24*	12.73
762	UPPER STONE CANYON - SOUTH	.05	1.85	4.09	3.59	2.01	.87	.78	T	0	0	0	T	13.24
763	STONE CANYON - FIRE ROAD NO. 18	T*	2.01	4.35	4.01*	1.52	1.39	.90	T*	0*	.05*	0*	.31*	14.54

TABLE V

SEASONAL 1949 - 50 MONTHLY RAINFALL SUMMARY

RAINFALL RECORDS IN INCHES

STA. NO.	STATION	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	SEAS. TOTAL
764	STONE CANYON - RAIL LANE 2302	T*	1.66	4.12	3.84	1.62	1.50	1.02	T*	0*	.05*	0*	.31*	14.12
765	SEPULVEDA AND MULHOLLAND	0*	1.62	3.92	3.93	1.45	.67	1.02	0*	.05*	0*	0*	.23*	12.89
766	MANDEVILLE CANYON - FIRE ROAD NO. 26	0*	1.60	3.89	3.45	1.58	.60	1.05	0*	.05*	0*	0*	.23*	12.45
767	MANDEVILLE CANYON ROAD NO. 3351	0*	2.40	4.16	4.40	2.31	1.12	.78	0*	.05*	0*	0*	.23*	15.45
768	SULLIVAN CANYON - FIRE ROAD NO. 26	0*	1.38	4.02	3.50	1.28	.56	1.57	0*	.05*	0*	0*	.23*	12.59
769	SANTA YNEZ CANYON - TEMESCAL FIRE ROAD NO. 30	0*	1.55	4.84	3.68	1.80	.81	1.38	T	.05*	0	0	.23*	14.34
770	SANTA YNEZ CANYON - PASEO MIRAMAR	0*	1.36	3.10	2.66	1.67	1.10	.66	T	0*	0*	0*	T	10.55
771	RUSTIC CANYON	0*	1.12	3.62	3.40	1.89	.71	.57	T	0*	0*	0*	T	11.31
772	LOS ANGELES - ECHO PARK AND LUCRETIA	T*	.60	2.57	2.10	1.56	.85	.57	T	0*	0*	0*	.22*	8.47
774	BARLOW SANITARIUM	T*	1.85*	3.08	2.52	1.88	.92	.72	T	T*	T*	0*	.24*	11.21
775	LOS ANGELES - 8TH AND CROCKER	T*	2.00	2.61	2.75	1.84	1.00	.42	T	T*	T*	0*	.24*	10.86
776	NICHOLS CANYON - WOODROW WILSON	0*	1.81	3.81	3.10	2.27	1.60	.43	.06	0*	0*	0*	.24*	13.32
777	KENTER CANYON - N. KENTER	0*	1.44	4.17	3.97	2.32	1.09	.84	0*	0*	0*	0*	.19*	14.02
779	GRIFFITH PARK - NORTH CANYON	0*	1.80	3.50	2.02	1.63	.99	.44	T	.06*	.03*	0*	.31*	10.78
780	GRIFFITH PARK - NORTH CANYON	0*	1.72	3.32	2.45	1.82	1.21	.52	T	.06*	.03*	0*	.31*	11.44
783	COON CANYON	.25	2.40	3.69	3.03	2.54	1.65	.91	.43	.26	0	0	.84	16.00
784	COON CANYON	.29	2.26	3.64	3.03	2.71	1.58	.97	.35	.25	0	0	.84	15.92
785	COON CANYON	.31	2.39	3.93	3.16	2.83	1.86	.93	.36	.27	0	0	.92	16.96
786	COON CANYON	.32	2.16	3.43	2.94	2.60	1.76	.98	.39	.30	0	0	.89	15.77
787	COON CANYON	.32	2.42	3.78	3.07	2.75	1.88	1.04	.31	.33	0	0	.86	16.79
788	COON CANYON	.27	2.35	3.52	2.95	2.64	1.78	.95	.20	.26	0	0	.85	15.77
789	EL PRIETO CANYON	.31	2.65	3.75	3.07	2.75	2.00	1.25	.43	.34	0	0	.92	17.47
790	FILLMORE CITRUS ASSOCIATION	0	1.43	4.09	3.25	2.79	.98	.69	0	.13	.04	0	.42	13.82
791	SATICOY - CULBERTSON LEMON ASSOCIATION	0	1.15	3.75	3.12	2.58	.73	.64	0	0	0	0	.10	12.07
792	SANTA PAULA - COUNTY AGRICULTURE OFFICE	0	1.18	4.33	3.17	2.59	.93	1.11	T	.06	.02	0	.24	13.63
793	MARKHAM SADDLE	.79	6.74	5.89	3.91	3.77	2.27	2.41	.10	0	0	0	.83	26.71
794	LOWER FRANKLIN RESERVOIR	0	1.83	3.73	3.36	2.24	1.10	.71	0	.03	0	0	.20	13.20
795	PASADENA - JOURDAN	.10	2.65	3.63	2.88	2.35	1.26	1.76	.08	.10	.18	0	.49	15.48
797	DE SOTO RESERVOIR	.01	1.34	3.71	3.42	2.52	.81	.86	0	T	0	0	.41	13.08
799	BALDWIN HILLS RESERVOIR	T	1.39	2.95	2.04	1.60	.75	.45	T	0	.04	0	.25	9.47
800	PACOIMA CANYON - NORTH FORK	N O T	I N S T A L L E D				INC.	1.18	1.45	.14	.02	0	0	.49	INC.
801	MAGIC MOUNTAIN	0	3.81	4.04	3.54	2.48	1.86	2.35	.16	0	.12	0	.58	18.94
1000	HUNT CANYON - BONES RANCH	.55	.60	.69	1.03	.65	1.02	.63	.14	0	.21	0	.34	5.86
1001	SAN GABRIEL - WEST FORK GUARD STATION	.06	5.14	7.58	5.90	4.25	2.40	3.62	.05	.02	0	0	.46	29.48
1002	TUJUNGA - TANGUAY	.02	2.10	2.81	2.02	1.76	1.36	1.25	.12	.07	.05	0	.59	12.15
1004	MALIBU CREEK - CRATER CAMP	0	1.99	5.59	3.87	2.49	1.46	.98	0	.04	0	0	.25*	16.67**
1005	MINT CANYON - THE OAKS	0	1.24	2.10	1.84	1.32	1.15	.81	.06	0	.15	0	.35	9.02
1006	SAN PEDRO - CITY RESERVOIR	T	.68	3.62	3.97	2.62	.67	.14	.13	0	0	0	0	11.83
1007	ANGELES CREST HIGHWAY - CAMP VALCREST	0	1.80	4.00	4.80	2.75	1.70	2.00	.15	0	0	0	.32	17.52
1008-E	LA FRESA - SO. CALIF. EDISON CO. SUBSTATION	0	.98	2.21	2.51	2.48	.54	.30	.02	.04	0	0	.03	9.11
1009	MINT CANYON - DYER	0	.81	1.24	1.67	.94	.74	.90	0	0	.05	0	.40	6.75
1010B	PALMER CANYON - FORKS	.29	3.52	6.43	3.19	2.70	2.06	1.75	.17	.12	.05	0	T	20.22
1011	SAN PEDRO HILLS - SWAFFIELD	0	.93	2.38	3.56	3.00	.80	.22	.15	0	0	T	.07	11.11
1012	CASTAIC JUNCTION	0	.76	2.26	2.01	1.50	.75	.45	0	0	.06	0	.10	7.89
1013B	TUJUNGA CANYON - ABOVE GOLD CANYON	.02	2.89**	1.83	2.58	1.79	1.46	1.29	.03	T	.10	0	.40	12.39**
1014	RIO HONDO SPREADING GROUNDS	0	1.82	2.59	3.08	2.20	.84	.50	0	0	0	0	.20	11.23
1016	PALO COMADO CANYON - AGOURA	0	.79	3.15	2.59	1.78	.58	.92	0	0	0	0	.03	9.84
1017	LITTLE ROCK CREEK - ABOVE SANTIAGO CREEK	.30	.70	.65	.99	.64	.86	.65	.42	0	.17	0	0	5.38
1018	OAT MOUNTAIN - DEVIL'S GATE CANYON	0	N O	R E C O R D			2.26	1.63	0	0	0	.04	.52	INC.
1019	SANTA SUSANA MOUNTAINS - SALT CANYON	0	2.57	4.05	3.98	2.76	1.53	1.11	0	0	0	.04	.39	16.43
1020	PADUA HILLS PATROL STATION	.39	2.52	5.33	3.92	2.58	1.72	1.55	.09	.09	.05	0	T	18.24
1021	YERBA BUENA WATER TANK	.08	3.64	5.26	3.60	2.93	2.30	2.03	.20	.05	.04	0	1.04	21.17
1022	HASLEY CANYON - WESTERN GULF OIL CO.	0	1.95	3.88	3.32	2.13	1.45	.86	T	.03	.07	0	.30	13.99
1023	GARRAPATA CANYON - MC BRIDE	0	1.40	3.45	3.85	1.92	0	T	0	0	0	0	.23*	10.85**
1024	TOPANGA MINERAL SPRINGS			N O			R E C O R D							INC.
1025	MALIBU BEACH - DUNNE	0*	1.05	3.90	4.33	2.57	.70	.47	.01	.04	0	0	.45	13.52
1026	SANTA ANITA ABOVE WINTER CREEK	.14	5.19	6.12	4.47	3.75	3.04	2.64	.18	.13	.03	0	.59	26.28
1027	LITTLE TUJUNGA CANYON - COTTONWOOD GLEN	.08	1.63	2.67	1.98	1.87	1.19	1.18	.60	.10*	0*	0*	.73*	12.03
1028	CORRAL CANYON - STEWART	0	1.88	5.73	5.02	3.11	1.85	.81	.10	.12	0	.02	.32	18.96
1029	TUJUNGA - MILL CREEK SUMMIT	.13*	1.84	2.92	1.99	2.57	.82*	1.17*	.07*	0*	.03	0	.15	11.69**
1030	MOUNT ISLIP - LITTLE JIMMY SPRINGS	.37*	7.23*	10.59	6.70	5.72	2.86	1.86	.12	T	.08	T	.06	35.59*
1031	WATERMAN MOUNTAIN	.26*	5.15*	7.51	4.75	4.06	2.03	1.32	.09	T	.06	T	.04	25.25*
1032	MALIBU CANYON - CAMP NO. 3	N.I.	N.I.	INC.	3.75	2.43	1.65	.65	.03	.04	0	0	1.40	INC.
1033	WATERMAN MOUNTAIN - SKI LIFT	N.I.	N.I.	N.I.	INC.	2.71	N O	R E C O R D						INC.
1034	SANTA CLARA - 6S RANCH AIRPARK	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	INC.	0	0	0	0	.26	INC.
1035	WHITTIER - WOOD	N O T	I N S T A L L E D							0*	0	0	.03	INC.
1041B	SANTA FE DAM	T	1.97	3.26	2.35	2.57	2.48	.76	.05	.09	0	0	.07	13.60
X-3A	RUSTIC CANYON	0	1.37	4.67	4.71	N O	R E C O R D							INC.
X-6	ENCINO	T	1.39	3.94	3.92	1.81	.59	1.48	0	0	0	0	.40	13.53

LEGEND

* - - - - - - ESTIMATE FROM NEARBY STATION

** - - - - - - - PARTLY ESTIMATED

INC. - - - - - INCOMPLETE RECORD

N.I. - - - - - NOT INSTALLED

N.R. - - - - - NO RECORD

TABLE VI

SEASONAL 1950 - 51 MONTHLY RAINFALL SUMMARY

RAINFALL RECORDS IN INCHES

STA. NO.	STATION	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	SEAS. TOTAL
2B	ESCONDIDO CANYON	.24	1.85	.09	4.14	1.13	1.11	2.13	0	0	0	.53	0	11.22
3B	SEMINOLE HOT SPRINGS	.40	.87	T	3.27	1.55	.91	2.24	.31	0	0	.05	0	9.60
5B	CALABASAS	.18	1.32	.16	3.14	1.17	.87	1.25	0	0	0	.09	0	8.18
6	TOPANGA PATROL STATION	.93	2.74	.12	4.50	1.12	.84	2.08	.03	0	0	.26	0	12.62
7C	BEL AIR BAY CLUB	.41	1.13	T	2.00	.68	.78	1.47	.05*	0*	0*	.09	0	6.61**
9	SEPULVEDA & CHASE - LARSON	.40	1.48	0	2.90	.83	.67	1.41	0	0	0	.16	0	7.85
10	BEL AIR HOTEL	.67	1.40	.09	3.59	.76	.76	2.18	0	0	0	.30	0	9.75
11C	UPPER FRANKLIN CANYON RESERVOIR	.46	1.22	.04	3.52	1.32	.80	1.91	.14	0	0	.40	0	9.81
12	FRANKLIN - MULHOLLAND PATROL NO. 1	.52	1.27	0	3.64	1.29	.99	2.10	.14	0	0	.47	0	10.42
13	NORTH HOLLYWOOD - BLIX	.30	1.10	.03	2.71	1.42	.96	1.75	0	0	.03	.14	0	8.44
14	ROSCOE - MERRILL	.30	1.01	T	3.00	1.12	.41	1.45	.05	0	T	.37	0	7.71
15	VAN NUYS - CITY WAREHOUSE	.18	1.09	.01	2.79	.74	.66	1.41	.09	0	0	.10	0	7.07
17	SEPULVEDA CANYON AT MULHOLLAND HIGHWAY	.53	1.34	.08	2.84	.96	.82	1.62	.02	0	0	.27	0	8.48
18C	RESEDA	.23	1.23	.06	2.82	1.07	.73	2.31	.02	0	0	.07	0	7.54
20B	GIRARD	.19	1.48	.10	2.92	1.06	.89	1.17	.01	0	0	.09	0	7.91
21	BRANT RANCH - GIRARD	.20	1.64	.15	2.34	.95	.74	1.25	0	0	0	.06	0	7.33
23-E	CHATSWORTH RESERVOIR	.33	1.59	.25	3.22	.99	.84	1.71	0	0	0	.19	0	9.12
24D	CHATSWORTH	.45	2.19	.65	2.72	.98	.85	1.75	0	0	0	.23	0	9.82
25B	NORTHRIDGE - ANDREWS	.40	1.85	.15	3.20	.89	.21	1.46	0	0	0	.17	0	8.33
27B	PACOIMA - RADDATZ RANCH	.46	1.35	.14	3.14	.83	.69	1.94	0	0	0	.13	0	8.68
28D	SAN FERNANDO HEIGHTS LEMON ASSOCIATION	.44	1.77	.19	3.38	.83	.72	2.16	0	0	.03	.19	0	9.71
29B	GRANADA PUMP PLANT	.58	2.66	.29	4.00	1.09	.89	2.02	.05	0	0	.24	0	11.82
30	SYLMAR	.78	2.06	.20	4.30	.86	.76	1.92	.12	0	0	.16	0	11.16
31	ORCUTT RANCH - OAT MOUNTAIN	1.65	3.34	.33	5.43	1.24	1.12	2.40	0	0	0	.58	0	16.09
32C-E	NEWHALL - SOLEDAD DIVISION HEADQUARTERS	.31	.62	.18	2.52	.79	.99	1.44	.08	0	0	.04	0	6.97
33A'-E	PACOIMA DAM	.61	1.48	.16	4.21	.95	.70	2.87	.10	0	0	.74	0	11.82
39B	SUNSET DAM	.39	1.25	.02	3.15	1.60	.77	1.62	.09	T	0	.41	0	9.30
42	REDONDO CITY HALL	.11	.79	.12	3.08	.90	.42	1.30	0	0	0	.04	0	6.76
43A	PALOS VERDES ESTATES - ADMINISTRATION BLDG.	.03	.53	.07	2.37	.76	.37	1.47	0	T	0	.01	0	5.61
43B	PALOS VERDES - GOLF CLUB	.03	.85	.11	2.63	1.11	.59	1.42	0	.02	0	.04	0	6.80
44	POINT VICENTE LIGHTHOUSE	.14	.66	.10	1.63	1.18	.31	1.38	0	0	0	.03	0	5.43
46D-E	BIG TUJUNGA DAM NO. 1	.32	1.62	0	3.43	1.45	.51	2.53	.21	0	0	0	0	10.07
47A	CLEAR CREEK - CITY SCHOOL	.72	1.60	.02	3.18	1.24	.20	3.21	.30	0	0	.06	0	10.53
47C	CLEAR CREEK	.73	1.52	T	4.21	1.54	.59	2.85	.30	0	0	.04	0	11.78
48	OAK WILDE	.74	2.28	0	4.61	2.02	.71	2.61	.15	0	0	.25	0	13.37
50B	LA CANADA - ARROYO SECO DIVISION HEADQUARTERS	.46	1.67	T	3.77	1.40	.48	2.33	.07	0	0	.24	0	10.42
51	FALLING SPRINGS	.54	1.68	.14	2.91	2.10	.86	3.34	.61	0	.21*	0	.04*	12.43**
52B	SWITZER'S CAMP	.50	1.57	0	3.74	1.21	.79	2.78*	.30*	0	0	0	T	10.89**
52C	WATERMAN GUARD STATION	.27	1.50	0	3.83	1.43	.73	2.78	.30	0	0	.05	0	10.89
53C	COLBY'S	.28	1.32	.10	3.57	1.29	.48	2.47	.38	0	0	0	.25*	10.14
54	LOOMIS RANCH - ALDER CREEK	.27	1.55	.14	2.64	1.28	.55	1.61	.67	0	.04	0	0	8.75
57B-E	OPID'S	.71	3.00	.18	4.42	2.51	1.13	3.95	.35	0	0	.05	0	16.31
58	STURTEVANT CAMP	.77	2.90	.18	5.55	2.24	1.10	3.50	.57	0	0	.21	0	17.02
60A	HOEGEE'S	.68	2.61	.07	5.36	2.27	1.03	4.92	.28	0	0	.12	.12	17.34
62	BIG SANTA ANITA GUARD STATION	.92	2.51	.04	5.48	2.01	.81	4.36	.04	0	.05	.23	0*	16.45
63B-E	BIG SANTA ANITA DAM	.97	2.37	.05	4.49	1.62	.76	3.24	.23	0	T	.22	0	13.95
66	SIERRA MADRE - PEGLER RANCH	.50	1.92	0	4.10	1.21	.98	2.85	.65	0	0	0	0	12.21
67B	MONROVIA CITY HALL	.44	2.00	T	3.83	.93	.97	2.70	.25	0	0	.13	0	11.25
68B	SAWPIT DAM	.74	2.33	.01	5.05	1.42	1.04	3.69	.30	.02	0	.25	0	14.85
69B	SAWPIT CANYON	.82	2.35	.02	5.28	1.60	1.07	3.68	.29	.02	0	.25	0	15.38
70	ROGER'S CANYON - DALTON	.60	2.37	0	4.80	1.27	.93	2.67	.18	0	0	.06	0	12.88
73	GLENDORA - ENGLEHART RANCH	.51	2.33	0	4.71	1.48	.80	3.05	.21	0	0	.07	0	13.16
76B	SAN GABRIEL DAM NO. 1 CAMP	.35	1.28	.03	3.63	1.25	1.07	3.58	.15	0	0	0	0	11.34
82D	TABLE MOUNTAIN	.12	.87	.06	1.53	.51	.74	1.62	.78	0	.09	T	.02	6.34
83	BIG PINES RECREATION PARK	.20	1.56	.03	2.73	1.13	1.29	3.30	1.15	0	.15	0	.05	11.59
85D	CAMP BALDY GUARD STATION	.21	1.76	.08	3.23	1.54	1.26	3.23	.23	0	0	0	.19	11.73
87	SAN DIMAS GUARD STATION	.22	1.39	0	4.08	1.32	.70*	3.14	.16	0	0	T	.03	11.04
89-E	SAN DIMAS DAM	.28	1.72	.04	4.30	1.45	.74	2.91	.18	0	0	.05	.04	11.71
90	ELDER RANCH	.28	1.56	0	4.07	1.65	.68	2.85	.22	0	0	.03	.05	11.39
91	INDIAN HILL - CLAREMONT	.22	1.66	.02	3.62	1.17	.56	2.63	.16	0	0	0	0	10.04
92	CLAREMONT - POMONA COLLEGE	.14	1.94	.02	3.31	1.18	.56	1.89	.18	0	.02	.01	.43	9.68
93B	CLAREMONT FIRE STATION	.18	2.18	.03	3.34	1.25	.58	1.88	.21	0	T	.03	.50	10.18
94	CHARTER OAKS - FIELD'S RANCH	.27	2.36	T	3.37	.99	1.28	2.49	.40	0	0	0	.53	11.69
95	SAN DIMAS FIRE WARDEN	.16	2.33	0	3.52	.99	.46	1.91	.16	0	0	.08	.02	9.63
96-E	PUDDINGSTONE DAM	.14	2.47	.02	3.37	.99	.42	1.85	.19	0	0	.03	.05	9.53
98	AZUSA - HIBSCH	.29	2.26	0	4.13	.97	.53	2.29	.22	0	0	.11	0	10.80
99	AZUSA - FOOTHILL RANCH	.30	2.44	0	3.86	.97	.67	2.27	.17	0	0	.08	T	10.76
101	WEST COVINA - HURST RANCH	.10	1.92	.04	2.53	.92	.59	2.76	.42	0	0	.09	0	9.37
102B	WALNUT - SOUTH HILLS PATROL STATION	.01	2.19	.03	2.44	.91	.61	2.64	.33	0	0	.02	.06	9.24
104	NORTH WHITTIER - COLE RANCH	0	1.24	0	2.92	.86	.74	1.56	.55	0	0	0	0	8.47
106	WHITTIER CITY HALL	.03	1.76	.02	2.57	.77	.60	1.92	.62	0	0	.07	0	8.36
107C	DOWNEY - FIRE STATION	.05	.92	.01	2.84	1.44	.95	1.79	.12	0	0	.15	0	8.27
108B	EL MONTE - FIRE STATION	.15	1.41	0	2.60	.97	.59	2.52	.33	0	0	.07	0	8.64
109D	WEST ARCADIA	.30	1.55	0	3.56	.99	.67	2.69	.30	0	0	.16	0	10.22
110	ALHAMBRA - CITY HALL	.27	1.41	.06	3.12	1.32	.58	2.38	.25	0	0	.17	0	9.56
111	SOUTH PASADENA - CITY HALL	.36	1.41	.04	3.45	1.50	.57	1.91	.14	0	0	.18	0	9.56
116C	INGLEWOOD - FIRE STATION NO. 1	.21	1.08	.03	2.99	.98	.33	1.54	.05	0	0	.07	0	7.28
117B	COMPTON - FIRE STATION	.13	.89	.03	2.63	1.82	.65	1.72	.12	0	0	.08	0	8.07
118B	WILMINGTON	.06	.75	.14	2.51	2.48	.41	2.06	0	0	0	.08	0	8.49
119D	SAWTELLE - SOLDIER'S HOME	.59	1.44	.06	3.58	.89	.59	1.80	.03	0	0	.16	0	9.14
120	VINCENT PATROL STATION	.02	.24	.06	1.36	.24	.18	.40	.49	0	.21	0	0	3.20
121	LANCASTER - UNION HIGH SCHOOL	.01	.02	T	1.30	.04	.31	.39	.18	0	0	0	0	2.25
122B	LEONIS VALLEY - RITTER RANCH	.10	.43	.10	1.96	.24	1.06	.79	.22	0	0	0	0	4.90
124	BOUQUET CANYON RESERVOIR	.58	.81	.12	2.50	.34	1.04	1.31	.18	0	0	.07	0	6.95
125	SAN FRANCISQUITO CANYON POWER HOUSE NO. 1	.97	1.71	.10	3.16	.81	1.05	1.44	.12	0	0	.11	0	9.47
126B	VENICE - CITY YARDS	.24	1.05	.06	2.98	.68	.35	1.58	.03	0	0	.08	0	7.05
127	DRY CANYON RESERVOIR	.30	.41	.14	1.97	.68	.83	1.02	.01	0	0	.12	0	5.48
128B	ELIZABETH LAKE CANYON - WARM SPRINGS CAMP	1.33	1.60	.09	2.84	.89	1.43	1.90	.06	0	0	.90	0	11.04
130B	SANDBERG'S - QUAIL LAKE PATROL STATION	.06	.31	.04	1.29	1.03	.80	1.60	.01	0	0	T	0	5.14
134	SAN DIMAS - STEVENS	.53	2.20	.04	3.80	1.08	.75	2.05	.34	0	0	0	0	10.79
135	NORWALK	0	2.12	0	2.63	.91	.58	2.23	.11	0	0	.16	0	8.74
136B	HOLLYWOOD - CITY ENGINEER	.32	1.24	.03	3.27	1.20	.36	1.82	.12	0	0	.18	0	8.54
139	LOS ANGELES WATER DEPARTMENT	.25	1.02	.04	2.79	1.37	.45	1.43	.26	0	0	.15	0	7.76
140	SAWTELLE - CITY HALL WEST LOS ANGELES	.40	1.43	0	3.76	.83	.34	1.96	.06	0	0	.16	0	8.94
143	AZUSA - CITY PARK	.30	2.29	T	3.82	1.09	.59	2.23	.17	0	0	.08	T	10.57
144	SIERRA MADRE DAM	.88	2.22	0	4.03	1.37	.81	3.24	.30	0	0	.20	0	13.05
150	MONROVIA FALLS	.95	2.40											INC.
155B	LITTLE ROCK CREEK	0	.10	0	1.73	.25	.38	.67	.65	0	.62	0	0	4.40
156	LA MIRADA - STANDARD OIL COMPANY	T	2.23	0	2.44	1.29	.35	1.66	.08	0	0	.14	0	8.19
157B	EL SEGUNDO - STANDARD OIL COMPANY	.14	.82	.01	2.73	.58	.41	1.45	0	0	T	.06	0	6.20
158	TANBARK FLATS	.28	1.57	0	3.83	1.25	.88	3.49	.14	T	T	T	.03	11.47

TABLE VI

SEASONAL 1950 - 51 MONTHLY RAINFALL SUMMARY

RAINFALL RECORDS IN INCHES

STA. NO.	STATION	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	SEAS. TOTAL
167	ARCADIA PUMPING PLANT NO. 1	.43	2.04	T	3.88	1.06	.72	2.62	.28	0	0	.18	0	11.21
169	SIERRA MADRE PUMPING PLANT	.54	1.88	0	3.80	1.15	.88	2.68	.31	0	0	.16	0	11.40
170C	POTRERO HEIGHTS	.14	1.43	0	2.50	1.00	.55	2.26	.27	0	0	.09	0	8.24
171	CHAPMAN WELLS	.39	1.63	.01	3.92	1.06	.84	2.85	.38	0	0	.16	0	11.24
172B	DUARTE	.37	1.98	0	2.47	.95	.78	2.57	.15	0	0	.11	0	9.38
174	GLENDORA - WARREN	.26	2.25	.03	3.84	1.51	.69	2.44	.21	0	0	.07	T	11.30
175B	ALTA CANYADA - LA CANADA IRRIGATION DISTRICT	.62	1.90	0	3.93	1.44	.62	2.95	.15	0	0	.58	0	12.19
176	RUBIO CANYON LAND AND WATER COMPANY	.49	1.72	.02	3.76	1.16	.69	2.69	.17	0	0	.24	0	10.94
177C	LA CANADA - BRADFORD	.46	1.68	T	4.07	1.30	.49	2.48	.07	0	0	.31	0	10.86
178	AZUSA - GRIFFITH	.20	1.97	0	2.85	.75	.56	2.05	.13	0	0	.08	0	8.59
179C	SIERRA MADRE - CARTER	.70	2.01	.02	4.13	1.48	.79	3.53	.30	.01	T	.33	0	13.30
181B	BASSETT - CLIFFORD	.11	1.52	0	2.41	.78	.82	2.26	.28	0	0	.04	0	8.22
185	GLENDORA - WEST	.30	2.31	0	3.84	1.00	.69	2.57	.17	0	0	.07	T	10.95
188C	SAN DIMAS - MORRISON	.21	2.10	.02	3.52	1.08	.48	1.86	.13	0	0	.06	.05	9.51
192B	BELL FIRE STATION	.12	.91	.01	2.61	1.60	.72	1.86	.26	0	0	.14	0	8.23
193	COVINA NO. 2 - TEMPLE	.16	2.38	.01	3.03	.85	.53	2.59	.26	0	0	.04	0	9.85
196B	LA VERNE - POLICE DEPARTMENT	.17	2.24	.04	3.58	1.10	.40	1.90	.17	0	0	.03	.80	10.43
198B	BRAND DEBRIS BASIN	.30	1.18	.03	2.72	1.32	.57	1.43	.07	0	0	.42	0	8.04
199B	HUNTINGTON PARK - CITY YARD	.19	.92	.02	2.76	1.60	.65	1.81	.15	0	0	.12	0	8.22
200	SAUGUS - SO. CALIF. EDISON CO. SUBSTATION	.20	.29	.14	1.99	.63	.95	1.00	.04	0	0	.01	0	5.25
201	PUENTE HILLS - ALTA MIRA RANCH	T	2.50	0	3.02	.95	.58	2.11	.58	0	0	0	0	9.74
206	VALENCIA HEIGHTS	.11	2.45	.05	2.77	1.09	.50	2.30	.30	0	0	.05	0	9.62
208	ARTESIA - BARR LUMBER COMPANY	0	1.71	0	2.49	.90	.45	1.57	0	0	0	.10	0	7.22
210B	BRAND PARK	.34	1.42	T	2.94	1.40	.73	1.47	.13	0	0	.48	0	8.91
213B	LOS ANGELES - HANCOCK PARK	.34	1.29	.17	3.14	1.26	.36	1.63	.18	0	0	.11	0	8.48
215B	BELLFLOWER - FIRE STATION	.03	1.14	0	2.64	1.36	.48	1.88	.05	0	0	.13	0	7.71
216	GLENDALE - JONES	.31	1.34	T	3.01	1.41	.64	1.53	.08	0	0	.29	0	8.61
217	WATTS - JORDAN HIGH SCHOOL	.12	.93	0	2.57	1.53*	.68*	1.79*	.32	0	0	.08*	0	8.02**
219	PACOIMA WAREHOUSE - COUNTY FORESTRY	.51	1.19	.02	3.87	.66	.75	1.75	.10	0	0	.18	0	9.03
221C	PACOIMA WASH - DUCKWORTH RANCH	.60		N O		R E	C O		R D					INC.
222	LANKERSHIM GENERATING PLANT	.18	.89	0	2.54	.95	.34	.96	.03	0	.01	.06	0	5.96
223B-E	BIG DALTON DAM	.47	1.99	.02	4.66	1.40	.93	3.67	.28	.01	0	.07	.03	13.53
224B	LONG BEACH - ALAMITOS LAND COMPANY	.07	.88	.05	2.19	1.58	.82	1.64	.05	0	0	.11	0	7.39
225	MONTANA RANCH	0	1.18	0	2.64	1.13	.47	1.66	0	0	0	.10	0	7.18
226	BURBANK - FIRE STATION	.23	1.22	.01	2.65	1.26	.50	1.37	.10	0	.02	.28	0	7.64
227C	SAN GABRIEL - BRUINGTON	.24	.37	N O	R E	C O	R D		.19	T	0	.19	0	INC.
228B	BEVERLY HILLS - CITY HALL	.58	1.52	.06	3.43	.84	.50	1.68	.08	0	0	.14	0	8.83
230C	LIVE OAK CANYON - ELDER	.17	1.98	0	3.63	1.18	.61*	2.23	0	0	0	T	.50	10.30
234	COVINA - THORPE	T	2.35	0	2.37	1.15	.40	2.31	.45	0	0	0	0	9.10
235B	HENNINGER FLATS	.59	1.91	.04	4.09	1.30	.62	3.58	.23	T	0	.33	0	12.69
236	SAN FERNANDO - MOLLIN GROVES	.60	1.48	.16	4.07	.90	.69	2.83	.10*	0	0	.74*	0	11.57**
237A	STONE CANYON RESERVOIR	.76	1.48	.06	4.03	.90	.95	2.25	.06	0	0	.41	0	10.90
238	HOLLYWOOD DAM	.47	1.39	.01	3.19	1.03	.52	1.88	.06	0	0	.29	0	8.84
241B	LONG BEACH - VETERAN'S MEMORIAL BUILDING	.06	.94	.10	2.08*	1.55	.80	1.77	T	0	0	.10	0	7.40
246B	CULVER CITY - BUS YARD	.23	1.02	.02	3.26*	.91	.36	1.44	.08	0	0	.08	0	7.40
250C	ACTON CAMP	T	T	T	1.55	.25	.15	.68	.36	0	.10	0	0	3.09
251	LA CRESCENTA	.53	2.02	0	3.77	1.71	.78	2.57	.15	0	0	.36	0	11.89
254	PUENTE - ROWLAND RANCH	0	2.12	0	2.27	.78	.74	2.16*	.55*	0	0	0	0	8.62*
255A	MOUNT SAN ANTONIO COLLEGE - SPADRA	.07	2.48	.03	2.71	.88	.55	2.52	.35	0	T	.01	.05	9.65
256B	POMONA - FIRE STATION	.04	2.10	.04	2.49	1.11	.54	1.87	.15	T	0	T	.33	8.67
257	GRIFFITH PARK NURSERY	.44	1.20	.03	3.41	1.58	.70	1.83	.04	0	0	.25	0	9.48
258A	GRIFFITH PARK TUNNEL	.53	1.52	.02	3.24	1.41	.48	1.82	.08	0	0	.35	0	9.45
258D	GRIFFITH PARK - SO. SLOPE MOUNT HOLLYWOOD	.58	1.58	.02	3.28	1.48	.50	1.93	.09	0	0	.38	0	9.84
258C	GRIFFITH PARK - NO. SLOPE MOUNT HOLLYWOOD	.60	1.65	.03	3.27	1.50	.51	2.00	.10	0	0	.37	0	10.03
259C	CHATSWORTH PATROL STATION	.63	2.81	.36	3.62	.96	1.01	1.51	.02	0	0	.26	0	11.18
261B-E	ACTON - ESCONDIDO CANYON	.04	.13	.06	1.61	.33	.43	.55	.25	0	.31	T	0	3.71
263A	POMONA - FRATER	.07	2.24	.09	2.43	.87	.68	2.13	.27	0	0	T	.73	9.51
265C-E	PUENTE HILLS - WEISEL RANCH	.02	2.92	T	2.89	.84	.80	2.44	.56	0	0	.16	.05	10.68
266	LEFFINGWELL RANCH - EAST WHITTIER	.06	2.53	.10	2.71	.85	.70	1.73	.24	0	0	.16	.02	9.10
269A	DIAMOND BAR RANCH NO. 1	.03	2.45	0	2.60	.61	.90	1.92	.61	0	0	0	.16	9.28
269B	DIAMOND BAR RANCH NO. 2 - HORSE CAMP	0	2.40	0	2.65	.98	.88	3.01	.42	0	0	0	.16	10.50
270	COUNTY FARM - RANCHO LOS AMIGOS	.07	.85	0	2.62	1.74	1.11	1.96	.10	0	0	.13	0	8.58
271	DOMINGUEZ HILLS	.18	.83	.10	2.80	2.15	.62	1.80	0	0	0	.11	0	8.59
272B	LOS ANGELES - HEADWORKS PUMPING PLANT	.21	1.61	.02	2.77	1.28	.45	1.88	.05	0	0	0	0	8.27
273C	SAN PEDRO HILLS - WALLACE	.24	.98	.49	2.37	1.11	.38	1.74	0	0	0	.16	0	7.47
274	ACTON - HUBBARD	.09	.46	.11	1.15	.32	.10	.64	.44	0	.12	0	0	3.43
275	SAN MARINO HUNTINGTON LIBRARY	.41	1.68	T	3.75	1.00	.95	2.80	.31	0	0	.22	0	11.12
277	SAWMILL MOUNTAIN RANCH	.57	1.14	.04	1.83	1.23	.42	1.78	0	0	0	0	0	7.01
278B	LOS ANGELES - CLARK MEMORIAL LIBRARY	.25	1.24	0	3.06	1.26	.44	1.46	.28	0	0	0	0	7.99
279A	PASADENA GLEN - KINNELOA RANCH	1.02	1.73	.02	3.87	1.29	.83	3.60	.25	T	0	.28*	0	12.89
280B	FLINTRIDGE FIRE STATION	.44	1.84	0	3.68	1.41	.58	2.20	.10	0	0	.32	0	10.57
283B	CRYSTAL LAKE - EAST PINE FLATS	.63	2.17	.23	3.59	2.01	1.70	3.96	.71	0	.21	0	.04	15.25
284	PLACERITA CANYON	.40	.64	.11	2.71	1.21	.92	2.37	.12	0	0	.24	0	8.72
285C	MOUNT SAINT MARY'S COLLEGE	.90	1.58	.04	4.10	.76	.81	2.31	.06	T	0	.55	0	11.11
287	GLENDORA - MUTUAL CONSOLIDATED IRR. CO.	.31	2.24	.01	2.87	1.15	.82	2.53	.15	0	0	.11	T	10.19
289	LAGUNA - BELL - SO. CALIF. EDISON CO. SUBSTATION	.08	1.03	T	2.55	1.30	.72	2.10	.30	0	0	.15	0	8.23
290	NEWMARK - SO. CALIF. EDISON CO. SUBSTATION	0	1.20	0	2.60	1.06	.55	2.37	.27*	0*	0*	.09*	0*	8.14
291	LOS ANGELES - 96TH AND CENTRAL	.13	1.08	0	2.96	1.47	.64	1.88	0	0	0	.11	0	8.27
292B-E	ENCINO RESERVOIR NO. 2	.29	1.30	.06	2.92	1.03	.98	1.29	.03	0	0	.08	0	7.98
293	LOWER SAN FERNANDO RESERVOIR	.54	2.22	.27	3.97	.93	.75	2.22	.10	0	T	.26	T	11.26
294	SIERRA MADRE - MIRA MONTE PUMPING PLANT	.65	2.17	0	4.06	1.45	.86	3.28	.33	0	0	.26	0	13.06
295F	GLENDALE - KENNEDY	.33	1.29	.02	3.11	1.39	.51	1.70	.08	0	T	.21	0	8.64
298B	GORMAN	0	.06	.43	2.07	1.35	.52	1.23	0	0	0	0	0	5.66
299C	LITTLE ROCK	0	T	0	1.28	.17	.20	.67	.50	0	.39	0	.06	3.27
303F	PASADENA - CAL TECH	.41	1.66	.02	3.59	1.01	.74	2.78	.29	0*	0*	.22*	0*	10.72**
304	SAWPIT CANYON - DEER PARK	.97	2.68	.09	5.96	1.90	1.05	4.23	.29	.02	0	.25	0	17.44
306C	TRANCAS BEACH	.49	1.85	.05	3.10	1.10	.93	2.00	0	.01	0	.32	0	9.85
307	SNOW CREST CAMP	N.R.	N.R.	N.R.	INC.	1.40	1.39	N O	R E	C O	R D			INC.
311D	PASADENA METEOROLOGICAL STATION	.41	1.67	.03	3.66	1.04	.77	2.26	.14	T	0	.21	0	10.19
312	AZUSA PLANT - GLENDORA IRR. CO.	.40	2.36	T	4.08	1.16	.75	2.61	.16	0	0	T	T	11.52
321-E	PINE CANYON PATROL STATION	.53	.68	.06	2.03	.49	.33	1.06	.04	0	0	.10	0	5.32
322	MUNZ VALLEY RANCH	0	.21	0	1.21	.15	.25	.42	0	0	0	0	0	2.24
334B-E	SAN GABRIEL DAM NO. 2	.39	1.61	.03	3.54	1.55	1.05	3.39	.19	0	T	.01	0	11.76
336-E	SILVER LAKE RESERVOIR	.14	1.16	.14	2.97	1.74	.50	1.55	T	0	0	.14	0	8.34
338A	MOUNT WILSON - OBSERVATORY	.63	2.24	.09	3.14	2.70	1.07	3.98	.24	0	0	.10	T	14.19
338B	MOUNT WILSON - AIRWAYS STATION	.82	2.08	.22	3.85	2.56	1.30	4.21	.23	0	0	.11	0	15.38
339	WALNUT FRUIT GROWERS ASSOCIATION	.02	2.38	.06	2.39	.93	.64	2.90	.51	0	0	.02	.07	9.92
341	ALISO CANYON - BLUM RANCH	.04	.22	.10	1.46	.26	.24	.54	.37	0	.56	0	0	3.79
342	UPLAND - CADNUM	.16	1.52	.02	3.58	1.23	.57	2.42	.29	0	0	.06	.35	10.20
343B	RIVERA - TELEGRAPH ROAD	.08	1.55	.02	2.61	1.10	.83*	1.44	.20	0	0	.15	0	7.98
347-E	BALDWIN PARK EXPERIMENTAL STATION	.18	2.01	T	2.82	.82	.64	2.87	.27	0	0	.08	0	9.69

TABLE VI

SEASONAL 1950 - 51 MONTHLY RAINFALL SUMMARY

RAINFALL RECORDS IN INCHES

STA. NO.	STATION	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	SEAS. TOTAL
349B	CAMP RINCON	.37	1.47	.04	3.57	1.22	1.01	2.97	.18	0	0	T	0	10.83
351F	PALMDALE	T	.10	0	1.35	.18	.30	.82	.35	0	0	0	0	3.10
352	LECHUZA PATROL STATION	.78	2.03	.17	4.39	1.62	1.71	2.83	0	0	0	.29	0	14.82
355	LOS ANGELES - CITY COLLEGE	.23	1.13	.05	3.22	1.30	.40	1.64	.10	0	0	.16	0	8.23
356B	SPADRA - PACIFIC COLONY	.06	2.32	.02	2.42	.82	.59	2.37	.22	0	0	T	.07	8.89
357	SAN FERNANDO POWER HOUSE NO. 3	.81	2.32	.26	4.55	.94	.89	1.47	.11	0	0	.13	0	11.48
362	EL MIRADOR RANCH	.47	1.85	.05	3.82	1.13	.86	2.24	.10	T	0	.21	0	10.73
364	HAINES CANYON - LOWER	.48	1.64	0	3.47	1.77	.75	2.90	.17	0	0	.37	0	11.55
367	HAINES CANYON - UPPER	.70	2.15	0	3.55	1.60	.90	3.21	.22	0	0	.29	0	12.62
372	SAN FRANCISQUITO POWER HOUSE NO. 2	.65	.83	.07	2.89	.75	1.36	1.32	.02	0	0	.15	0	8.04
373	BRIGGS TERRACE	.60	2.25	T	3.96	1.40	1.02	3.31	.15*	0	0	.55	0	13.24
375B	GRIFFITH PARK ZOO	.01	1.33	.02	3.75	1.57	.55	2.07	0	0	T	.21	0	9.51
377F	LAKE SHERWOOD ESTATES	.26	.97	.30	3.24	1.44	1.14	2.04	0	0	0	0	0	9.39
379B	SAN GABRIEL - EAST FORK	.24	1.27	.04	3.31	1.10	.98	3.24	.11	0	0	0	0	10.29
380	EL SERENO - MORGAN	.26	1.53	.03	3.03	1.55	.52	1.56	.24	0	0	.11*	0	8.83
381B	SANTA MONICA - OUTLOOK	.42	1.00	.10	3.15	.96	.40	1.61	.05	T	0	.12	0	7.81
384B	HIGHLAND PARK - SAN RAFAEL HILLS	.47	1.65	.04	3.51	1.40	.69	2.05	.15	0	0	.23	0	10.19
386B	ZUMA CANYON - OAKLEY	1.09	1.91	.15	4.96	1.68	1.34	3.68	0	.04	0	.28	0	15.13
387B	COVINA - SEWAGE DISPOSAL PLANT	.07	2.21	.03	2.83	.83	.49	2.46	.20	T	0	.03	T	9.15
388B	CLEARWATER - CO. FIRE STATION	.03	.73	T	2.81	1.73	.67	1.74	.03	0	0	.15	0	7.89
389	GLENDORA - BROWN	.45	2.39	T	4.61	1.21	.86	2.83	.25	0	0	.10	T	12.70
390B-E	MORRIS DAM	.56	2.14	.05	4.69	1.53	.86	3.04	.22	T	0	.06	T	13.15
391B	MONTEBELLO - FIRE DEPARTMENT	.13	1.58	0	2.49*	1.04	.66	2.41	.35*	0	0	.10	0	8.76**
394	HIGHLAND PARK - LINDSAY	.38	1.42	T	3.27	1.53	.66	2.00	.11	0	0	.21	0	9.58
395	OLIVE VIEW SANITARIUM	.80	2.19	.18	4.53	.85	.74	2.19	.14	0	0	.30	0	11.92
402C	CEDAR SPRINGS - STATE PRISON CAMP	.76	1.99	.25	3.44	2.24	1.82	4.26	.50	0	.13	0	T	15.39
404	GLENDALE - OPID'S	.36	1.37	.02	3.17	1.21	.59	1.62	.08	0	0	.31	0	8.73
405	SOLEDAD CANYON - ECKLES	T	.26	.14	1.88	.53	.83	1.02	.50	0	0	0	0	5.16
406C	WEST AZUSA - AZUSA IRR. CO. PLANT NO. 6	.23	2.14	0	3.19	.88	.65	2.10	.20	0	0	.08	0	9.47
407	NEWHALL - U.S.F.S. HEADQUARTERS	.67	.70	.10	2.82	1.06	1.06	1.72	.09	0	0	.26	0	8.48
409	RIDGE ROUTE - STATE HIGHWAY MAINTENANCE STATION	.70	.91	.08	1.14	1.22	.84	.86	0	0	0	0	0	5.75
410A	RIDGE ROUTE - PARADISE RANCH	.56	.90	0	2.74	1.47	.80	1.49	.02	0	0	.02	0	8.00
411B	RIVERA-PICO - ROBINSON	.05	1.54	.02	2.75	.88	.91	2.15	.32	0	0	.06	0	8.68
415	SIGNAL HILL - CITY HALL	.03	.94	.03	2.50	1.88	.69	1.51	.02	0	0	.22	0	7.82
416	ALTADENA - VENTURA STREET	.42	1.68	.02	3.76	1.41	.63	2.61	.15	0	0	.30	0	10.98
417	SIERRA MADRE - LAMANDA PARK CITRUS ASSOCIATION	.41	1.62	T	3.82	1.13	.52	3.06	.23	0	0	.18	0	10.97
419	SANTA CLARA RIDGE - MOUNT GLEASON	.54	1.91	.28	3.42	1.26	.84	1.72	.18	0	0	0	0	10.15
420A	ACTON - COLOMBO RANCH	T	.28	.17	1.46	.35	.17	1.00	.34	0	.10*	0	0	3.81
421B	LOPEZ CANYON BELOW MOUTH	.45	1.29	.13	2.91	.72	.71	1.93	.09	0	0	.31	0	8.54
422C	PACOIMA CANYON - WALSH RANCH	1.31	1.86	.20	4.75	1.32	.89	3.07	.14	0	T	.19	0	13.75
423	ALISO CANYON - WAGON WHEEL RANCH	.20	.68	.04	3.82	1.53	.47	1.37	.73	0	.23	0	0	9.07
425B-E	SAN GABRIEL DAM NO. 1	.49	1.59	.03	4.13	1.36	.92	4.00	.17	0	T	0	0	12.69
427	DOWNEY - JORDAN	.06	1.05	T	2.57	1.32	.85	1.97	.19	0	0	.17	0	8.18
430	SAUGUS - STATE HIGHWAY MAINTENANCE STATION	.19	.22	.06	1.99	.55	.98	1.38	.03	0	0	.07	0	5.47
432	SANTA ANITA - FERN LODGE	.81	2.02	.06	5.21	2.01	.90	4.33	.22	0	.02	.19	0	15.77
433	ALTADENA - FARNSWORTH PARK	.52	1.55	.02	3.71	1.11	.70	3.03	.15*	0	0	.36	0	11.15
434	MALIBU - DIVISION HEADQUARTERS	.17	.92	.13	3.05	1.12	.90	1.48	.04	0	0	.05	0	7.86
435	MONTE NIDO CANYON	.95	.96	.03	4.35	1.26	.81	2.56	.04	0	0	0	.17	11.13
436B	HANSEN DAM - OFFICE	.36	.94	.06	2.67	.65	.59	1.44	.01	0	0	.05	0	6.77
437	HAMILTON BOWL - LONG BEACH	.03	.85	.08	2.38	1.94	.78	1.39	.04	0	0	.13	0	7.62
440B	CHILAO - U.S.F.S. CAMP	.37	1.68	.12	2.44	1.73	.92	2.48	.71	0	0	0	.25	10.70
441-E	PALMDALE - COUNTY ROAD MAINTENANCE YARD	0	.13	0	1.10	.15	.21	.65	.36	0	.03	0	0	2.63
442	MESCAL CREEK - FORT TEJON ROAD	0	.29	0	.92	.13	.23	.63	.70	0	.21	0	0	3.11
443	LATIGO CANYON ROAD AT MULHOLLAND ROAD	.72	1.67	.10	3.93	1.58	1.28	2.82	.01	0	0	.21	0	12.32
444B	ROLLING HILLS	.08	1.13	T	2.32	1.72	.50	1.95	0	0	0	.14	0	7.84
445B	LIVE OAK DAM	.31	1.95	.02	3.96	1.39	.61	2.56	.20	0	0	T	.08	11.08
446	ALISO CANYON - SANTA SUSANA MOUNTAINS	1.27	2.97	.31	4.55	1.02	1.23	2.43	.27	0	0	.58	0	14.63
447B	LAS FLORES PATROL STATION	.72	1.33	.05	3.25	.77	.77	1.67	.06	.02	0	.52	0	9.16
449B	EATON DAM	.43	1.52	.01	3.66	.97	.96	2.95	.26	T	T	.27	0	11.03
451B	CASTAIC PATROL STATION	.36	.37	.05	2.67	.56	.10	1.06	0	0	0	0	.04	5.21
453B	DEVIL'S GATE DAM	.36	1.67	.03	3.85	1.35	.55	2.47	.09	0	0	.14	0	10.51
455	LANCASTER - STATE HIGHWAY MAINTENANCE STATION	0	.04	0	1.11	.05	.44	.52	.14	0	T	0	0	2.30
456	PIUTTE BUTTE - GOLDEN MESA DUDE RANCH	.01	.04	0	.94	.05	.28	.28	.35	0	.15	0	0	2.10
457B	LOS ANGELES - ZALVIDEA STREET	.26	1.20	.03	2.99	N O T	I N	S T	A L	L E	D			INC.
458	ZUMA CANYON PATROL STATION	.64	1.89	.08	4.16	1.16	.98	1.84	0	0	0	.27	0	11.02
460	PLEASANT VIEW MESA - MATAY	0	0	0	2.18	.21	.27	.52	.88	0	1.77	0	0	5.84
461	BALDWIN HILLS - STANDARD OIL FIELD OFFICE	.24	1.26	0	3.04	.92	.41	1.47	.06	0	0	.15	0	7.55
462	HILLCREST COUNTRY CLUB - LOS ANGELES	.49	1.07	.06	3.39	1.26*	.45	1.81	.06	0	0	.14	0	8.73
463	MAR VISTA - SO. CALIF. WATER COMPANY	.22	1.06	.10	3.63	.87	.33	1.59	.20	0	0	.15	0	8.15
464	TUJUNGA CANYON - HONOR CAMP NO. 5	.31	1.30	.06	3.03	1.47	.47	2.34	.25	0	0	.01	0	9.24
465B	SEPULVEDA DAM - AUTOMATIC	.13	1.11	.01	2.64	.61	.65	1.37	.04	0	0	.05	0	6.61
466B	PACOIMA CANYON - DUTCH LOUIE CANYON	1.47	2.44	.28	4.51	1.13	1.11	2.83	.19	0	0	.34	0	14.30
468-E	PICKENS DEBRIS BASIN	.64	1.85	0	3.72	1.24	.57	2.45	.12	0	0	.44	0	11.03
469	LOS ANGELES - CRISLER	.28	1.16	.07	3.42	1.45	.53	1.85	.26	0	0	.20	0	9.22
470	TUJUNGA - MILL CREEK	.21	1.05	.25	2.89	.73	.55	1.37	.81	0	.14	0	0	8.00
471	LITTLE TUJUNGA - GOLD CREEK	.81	1.42	.20	3.31*	1.18*	.44*	2.38	.23	0	0	0	0	9.97*
473	AQUA DULCE CANYON - BLACKWELL RANCH	.08	.20	.13	1.79	.32	.57	.66	.24	0	0	.05	0	4.04
474B	SOUTH GATE - FIRE DEPARTMENT	.11	.96	.02	2.89	1.91	.85	1.91	.10	0	0	.09	0	8.84
475	SAUGUS - NEWHALL LAND AND FARMING COMPANY	.22	.23	.10	2.21	.58	.99	1.09	.04	0	0	.06	0	5.52
476B	TRIUNFO CANYON	.15	.76	.19	2.80	1.21	1.12	1.69	0	0	0	.10	0	8.02
477B	SANTA ANITA - SPRING CAMP	.60	1.89	.03	4.34	1.74	1.08	4.34	.18	0	0	0	.08	14.28
478	VALYERMO - U.S.F.S. HEADQUARTERS	0	.05	0	1.16	.17	.30	.74	.80	0	.53	0	.04	3.79
480B	TEMPLE CITY FIRE STATION	.28	1.48	.01	3.36	.94	.62	2.57	.31	0	0	.15	0	9.72
482	LOS ANGELES - U.S.C.	.20	.93	.04	3.28	1.36	.42	1.39	.22	0	0	.09	0	7.93
485	COVINA - BURCH	.19	2.23	0	2.95	.83	.62	2.70	0	0	0	.07	0	9.59
486B	COLDWATER CANYON - WIDMAN RANCH	.21	1.46	.11	3.55	1.29	1.21	3.46	.39	0	.10	T	.04	11.82
488	KAGLE CANYON PATROL STATION	.59	1.35	.18	3.54	1.09	.49	2.15	.16	0	0	.44	0	9.99
489	COLD CREEK - STUNT'S RANCH	.48	1.31	.11	3.56	1.30	.93	1.93	.07	0	T	.16	0	9.85
490	LANCASTER - WILEY RANCH	0	T	.01	.92	.04	.17	.22	.26	0	0	0	0	1.61
491	PACIFIC PALISADES	.49	1.37	.09	3.57	.91	1.05	1.86	0	0	0	.36	0	9.70
492	CHILAO - STATE HIGHWAY MAINTENANCE STATION	.26	1.36	T	2.21	1.73	.61	2.46	.32	0	0	0	.07	9.02
493	SAND CANYON - MACMILLAN RANCH	.43	.67	.22	2.45	.92	.92*	1.99	.15	0	0	.04	0	7.79
494	PICO - CATE	.08	1.61	.10	2.59	.85	.93	2.27	.35	0	0	.06	0	8.84
495	LOS ANGELES - 8TH AND FIGUEROA STREET	.30	.97	.02	3.17	1.52	.44	1.57	.22	T	0	.18	0	8.39
497	CLAREMONT - SLAUGHTER	.17	1.70	0	3.65	1.31	.53	2.30	.16	0	0	0	.12	9.94
498	ANGELES CREST HIGHWAY - DARK CANYON TRAIL	.96	2.95	0	4.49	1.69	.83	3.29	.24	0	0	.32	0	14.77
508C	ARROYO SECO - RANGER STATION	.56	1.68	0	3.80	1.41	.55	2.86	.16	0	0	.32	0	11.34
517B	ANDERSON RANCH	0	.29	0	1.78	.25	.32	1.67	.80	0	.44	0	0	5.55
529	CHINO-AMERICAN BEET SUGAR COMPANY	.02	1.79	.05	2.55	1.28	.46	2.02	.18	0	0	.02	.30	8.67
530	CONEJO RANCH	0	.97	.50	2.31	1.80	.05	1.78	0	0	0	0	0	7.41
542	FAIRMONT	.28	.54	.07	1.48	.53	.10	.77	T	0	T	T	0	3.77
551	HUENEME LIGHTHOUSE	.17	.86	.55	2.59	1.76	.76	2.41	0	0	0	.04	0	9.14

TABLE VI

SEASONAL 1950 - 51 MONTHLY RAINFALL SUMMARY

RAINFALL RECORDS IN INCHES

STA. NO.	STATION	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	SEAS. TOTAL
557	LA HABRA - CITRUS ASSOCIATION	T	2.43	.04	2.53	.75	.76	1.46	.20	0	0	.11	T	8.28
565B	LONG BEACH - CITY AUTOMATIC	.06	.80	.06	2.37	1.92	.58	1.92	T	0	0	.09	0	7.80
566	LONG BEACH NO. 1	.04	1.24	.09	1.98	1.31	.61	1.59	T	0	0	.18	0	7.04
571B	LONG BEACH NO. 6	.04	.77	.06	1.73	.90	.57	1.43	T	0	0	.14	0	5.64
575B	LONG BEACH WEATHER BUREAU	.06	.85	.08	2.30	1.68	.83	1.80	.01	.01	T	.16	T	7.78
577E	LOS ANGELES - (U.S.W.B.) - 6TH AND MAIN STREETS	.22	.91	.03	2.82	1.32	.42	1.40	.23	T	T	.12	0	7.47
577F	LOS ANGELES - (U.S.W.B.) - FEDERAL BUILDING	.24	1.05	.03	2.80	1.48	.44	1.54	.24	T	T	.15	0	7.97
587	SAN ANTONIO CANYON - POWER HOUSE NO. 1	.06	1.26	0	4.01	1.35	.80	4.10	.18	0	0	0	.39	12.15
588B	MOUNT LOWE	.72	2.10			N O	R E	C O R D					.30	INC.
593B	NEWHALL RANCH	.59	.45	.16	3.01	1.23	1.22	1.40	.08	0	0	.05	0	8.19
598	NEENACH	T	.07	T	1.29	.10	.14	.23	.02	0	0	0	0	1.85
610A	PASADENA - JONES	.44	1.67	.06	3.85	1.08	.92	3.15	.20	0	0	.28	0	11.65
610B	PASADENA - CITY HALL	.48	1.72	.03	3.74	1.32	1.02	2.35	.19	T	0	.21	0	11.06
611B	PASADENA - ALLEN	.43	1.52	.04	3.75	.97	.64	3.67	.21	0	0	.27	0	11.50
612	PASADENA - CHLORINE PLANT	.47	1.59	.02	3.69	1.36	.48	2.61	.15	T	0	.28	0	10.65
613B	PASADENA - HURLBUT FIRE STATION	.41	1.55	.03	3.31	1.99	.78	2.02	.04	0	0	.27	0	10.40
617	POMONA - ADAMSON	.23	2.50	.05	2.57	1.19	1.02	1.87	.20	0	0	.01	.33	9.97
618	SANTA SUSANA - WIECKHORST RANCH				N O	R E	C O	R D						N.R.
619	SAN ANTONIO CANYON - SIERRA POWER HOUSE	.11	1.84	0	4.03	1.56	1.22	4.19	.18	0	0	T	.20	13.33
627	SAN GABRIEL CANYON POWER HOUSE	.50	2.45	0	4.27	1.45	.87	2.82	.19	0	T	.16	0	12.71
629C	SAN PEDRO U.S.W.B.	.03	.88	.30	1.69	2.32	.55	1.86	.02	T	0	T	0	7.65
634B	SANTA MONICA - CITY HALL	.37	1.00	.17	2.92	.96	.46	1.52	.06	0	0	.11	0	7.57
644	SOMIA - SNYDER RANCH	.32	.86	.24	1.53	1.76	.73	1.68	0	0	0	.03	0	7.15
647G	SUNLAND - TUJUNGA - (U.S.W.B.)	.27	.88	T	2.93	1.40	.65	2.01	.13	0	0	.29	0	8.56
650B	UPLAND - BAIRD	.30	1.47	.01	3.99	1.48	.64	2.68	.20	T	0	T	.36	11.13
656A	SUNLAND	.31	1.00	.01	3.11	1.25	.56	1.92	.10	0	0	.21	0	8.47
660	OXNARD	.29	.97	.49	2.18	1.59	.30	1.98	0	0	0	.08	0	7.88
662	LONG BEACH - 37TH AND GAVIOTA	.02	.98	.07	2.21	2.59	.46	1.69	.03	0	0	.18	0	8.23
666	LONG BEACH - SOUTH AND LEMON	.08	.85	.12	2.80	2.07	.54	1.86	.06	0	0	.11	0	8.51
671B	LOS ANGELES-WABASH - SO. CALIF. EDISON CO. SUBSTA.	.24	1.22	.02	2.66	1.56	.65	1.75	.21	0	0	.11	0	8.42
672	EAGLE ROCK - SO. CALIF. EDISON CO. SUBSTATION	.52	1.82	.02	3.37	1.27	.76	2.15	.12	0	0	.31	0	10.34
673B	SEAL BEACH - LOS ANGELES POWER & LIGHT CORP.	.02	.89	.03	1.78	.73	.41	1.53	0	T	0	.04	T	5.43
676	LOS ANGELES - WEST 80TH STREET	.20	1.33	.03	3.06	1.60	.55	1.84	.15	T	0	.09	0	8.85
677C	PASADENA - HOFFNER	.46	1.86	.05	3.70	1.28	.73	2.40	.13	0	0	.26	0	10.88
678	PASADENA - SHELDON RESERVOIR	.39	1.76	.03	3.78	1.20	.83	2.55	.15	T	0	.24	0	10.93
679	PUENTE - NORTH WHITTIER HEIGHTS CITRUS ASSOC.	.05	2.05	.03	2.89	.90	.66	1.74	.45	0	0	.05	0	8.82
680	WESTWOOD - U.C.L.A.	.68	1.35	.03	3.70	.84	.59	2.11	.03	.01	T	.26	.02	9.62
683	SUNSET RIDGE GUARD STATION	.53	1.63	T*	3.60	1.19	.46	3.57	.24	0	0	.39	0	11.61
689B	SAN MARINO - COOPER	.35	1.51	T	3.56	1.40	.59	2.37	.27	0	0	0	0	10.05
691	SAN ANTONIO SPREADING GROUNDS	.12	1.21	0	3.82	1.25	.77	3.38	.18	0	0	0	.31	11.04
694B	TUJUNGA CANYON - U.S.F.S. GUARD STATION	.30	1.51	.21		N O	R E	C O R D				.05	INC.	INC.
695	TUJUNGA CANYON - VALHALLA RANCH	.54	1.62	0	3.80	1.61	.68	2.88	0	0	0	0	0	11.13
696	PASADENA GLEN	.55	1.89	.02	4.07	1.56	.89	3.58	.28	.02	0	.28	0	13.14
703	GLENDALE - MC INTYRE	.35	1.35	.11	3.02	1.24	.63	1.63	.08	0	0	.29	0	8.76
705	ALDER CREEK - PARADISE RANCH	.64	1.59	.23	3.62	.89	.43	2.49	.22	0	0	.15	0	10.26
706	RIVERA - HADLEY RANCH	.08	1.29	.01	2.75	1.02	1.09	2.20	.23	0	0	.09	0	8.76
715	L.A. (NO. 2 - U.S.W.B.) P.O. TERMINAL BLDG.	.23	1.15	.03	2.87	1.57	.55	1.66	.26	T	T	.16	0	8.48
716	L.A.W.D. - DUCOMMUN STREET	.25	1.08	.03	3.07	1.59	.50	1.61	.30	0	0	.15	0	8.58
718	THOUSAND OAKS	.09	.51	.60	2.30	1.21	.08	1.65	0	0	0	.08	0	6.52
719	DUARTE - MADDOCKS RANCH	.50	2.25	T	4.16	1.22	1.05	2.85	.19	0	.01	.10	0	12.33
720	SIMI VALLEY - SMITH RANCH	.35	1.52	.29	2.88	.49	1.23	2.14	0	0	0	.12	0	9.02
722B	BELLEVIEW - STRATMAN	.04	.24	.01	1.68	.21	.55	.58	.14	0	0	0	0	3.45
723	STONE CANYON - SAN FERNANDO VALLEY	.50	1.69	.09	3.09	2.08	.95	1.71	.05	T	0	.27	.01	10.44
724	BIG DALTON - MONROE CANYON FLUME X	.46	1.68	0	4.51	1.25	.89	3.88	.24	0	0	0	.03	12.94
725	BIRMINGHAM HOSPITAL	.23	1.10	0	2.40	.75	.52	1.13	.01	0	0	.08	0	6.22
726	ANGELES CREST - GUARD STATION	.87	2.70	T	4.87	1.59	.82	3.55	.18	0	0	.49	0	15.07
727	NEWCOMB PASS	.89	2.76	.09	5.49	2.20	.96	4.05	.19	0	0	.26	0	16.89
728	PACOIMA CANYON - CITY ROAD GAGE	1.41	1.87	0	4.07	1.96	.35	2.99	.25	0	0	.15	0	13.05
729	MAGIC MOUNTAIN RIDGE - INDIAN CANYON	1.15	2.14		N O T	I N S T	A L L E D							INC.
730	MILLARD CANYON - DAWN MINE	.56	1.84	0	4.05	1.82	.60	4.28	.27	0	0	.24	0	13.66
731	OAK GROVE HEADQUARTERS - U.S.F.S. FLOOD CONTROL	.61	1.61	0	3.93	1.49	.41	2.83	.05	0	0	.25	0	11.18
732B	ROBERT'S CANYON - SAN GABRIEL W. FORK DIVIDE	.84	2.39	.03	3.11	1.37	.92	3.60	.20*	0	0	.15	0	12.61
733	ARROYO SECO - CLOUDBURST CANYON	.60	2.19		N O T	I N S T	A L L E D							INC.
734	LOS ANGELES - MUNICIPAL AIRPORT	.12	.94	.01	2.82	.84	.38	1.37	.02	T	0	.06	T	6.56
735	BELL CANYON - PLATT RANCH	.33	1.31	.16	2.93	1.02	.84	1.31	0	0	0	0	0	7.90
737	UPPER SESPE - CHORO GRANDE RANCH	.57	1.02	.47	1.89	1.72	.80	2.00	.18	0	0	0	0	8.65
739	SANTA PAULA - LIMONEIRA RANCH	.40	.84	.17	2.45	1.98	.13	2.05	0	0	0	.01	0	8.03
740B	SAN DIMAS CANYON - FERN NO. 2	.21	2.03	0	3.82	1.82	1.37	4.28	.16	0	0	T	.15	13.84
741	SAN DIMAS CANYON - UPPER EAST FORK	.18	1.28	0	3.84	1.32	.88	4.32	.14	0	0	0	0	11.96
742B	SAN GABRIEL - FIRE DEPARTMENT	.16	1.30	.04	3.02	1.07	.58	2.07	.21	0	0	.15	0	8.60
746	MOHAVE - BACKUS RANCH	T	.04	0	.73	.07	.04	.68	.06	0	T	0	0	1.62
747	SANDBERG - AIRWAYS STATION	.17	.37	.06	.64	.68	.32	.79	.08	0	T	T	0	3.11
749	BURBANK - U.S.W.B.	.36	1.06	T	2.79	1.33	.49	1.15	.10	T	.01	.22	T	7.51
750	PALMDALE - C.A.A.A.C. STATION	0	.03	0	1.05	.02	.39	.45	.20	0	T	0	0	2.14
751	TORRANCE - FIRE DEPARTMENT	.06	.57	.03	2.72	1.98	.58	1.56	0	T	0	.03	0	7.53
752	MONROVIA - GEARY	.44	2.02	.01	3.77	.97	.97	2.54	.28	0	0	.15	0	11.15
754B	LYON'S CANYON - NEWHALL	.40	.49	.20	2.80	.41	INC.	N O T	I N S T	A L L E D				INC.
755	GRIFFITH PARK - LITTLE CANYON	.40	1.47	.03	3.01	1.28	.46	1.82	.07	0	0	.25*	0	8.79
756	GRIFFITH PARK - UPPER SPRING CANYON	.53	1.52	.02		N O	R E	C O R D						INC.
757	GRIFFITH PARK - FERN DELL	.40	1.21	.02	3.00	1.31	.47	2.03	.10	0	0	.35*	0	8.89
758	GRIFFITH PARK - LOWER SPRING CANYON	.50	1.56	T	3.29	1.44	.53	1.75	.03	0	0	.21*	0	9.31
759	HOLLYWOOD - COURTNEY AVENUE 1736	.45	1.38	T	3.18	1.06	.44	1.80	.08	0	0	.18*	0	8.57
760	STUDIO CITY - GOODLAND AVENUE 3913	.30	1.21	.04	2.94	1.25	.78	1.59	.17	0	0	.47*	0	8.75
761	STONE CANYON - NORTH	.58	1.24	0	3.53	.48	1.36	1.92	.06	0	0	.37*	0	9.54
762	UPPER STONE CANYON - SOUTH	.63	1.26	.08	3.52	.80	1.25	2.07	.08	0	0	.37*	0	10.06
763	STONE CANYON - FIRE ROAD NO. 18	.89	1.53	0	4.01	.38	1.42	2.09**	0	0	0	.21*	0	10.53
764	STONE CANYON - RAIL LANE 2302	.75	1.41	0	3.63	.41	1.31	2.05	.08	0	0	.21*	0	10.05
766	MANDEVILLE CANYON - FIRE RDAD NO. 26	.45	1.32	.04	2.89	.82	.76	1.53	.02	0	0	.27*	0	8.10

TABLE VI

SEASONAL 1950 - 51 MONTHLY RAINFALL SUMMARY

RAINFALL RECORDS IN INCHES

STA. NO.	STATION	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	SEAS. TOTAL
767	MANDEVILLE CANYON ROAD NO. 3351	.89	1.60	0	4.12	.47	1.15	2.08	.01	0	0	.27*	0	10.59
768	SULLIVAN CANYON - FIRE ROAD NO. 26	.47	1.27	0	3.15	.61	1.11	1.49	.01	0	0	.27*	0	8.38
769	SANTA YNEZ CANYON - TEMESCAL FIRE ROAD NO. 30	.58	1.30	.12	3.16	.77	.74	1.28	.06	0	0	.27*	0	8.28
770	SANTA YNEZ CANYON - PASEO MIRAMAR	.81	.93	.08	2.84	.62	.62	1.65	.03	0	0	.26*	0	7.82
771	RUSTIC CANYON	.55	1.17	.12	3.06	.70	.79	.99	.03	0	0	.36*	0	7.77
772	LOS ANGELES - ECHO PARK AND LUCRETIA	.20	.92	.04	2.28	1.22	.28	1.47	.07	0	0	.16*	0	6.64
774	BARLOW SANITARIUM	.32	1.14	T	2.65		.85	1.39	.05	0	0	.16*	0	6.56
775	LOS ANGELES - 8TH AND CROCKER	.22	.75	T	2.60	1.40	.37	1.50	.22	0	0	.15*	0	7.21
776	NICHOLS CANYON - WOODROW WILSON	.51	1.45	0	3.74	.81	1.23	2.18	.07	0	0	.40*	0	10.39
777	KENTER CANYON - NORTH KENTER	.63	1.43	0	3.81	.31	1.03	1.97	.04	0	0	.36*	0	9.58
779	GRIFFITH PARK - NORTH CANYON	.45	1.55	.04	3.35	1.42	.56	1.85	.07	0	0	.21*	0	9.50
780	GRIFFITH PARK - NORTH CANYON	.50	1.49	.04	3.01	1.30	.43	1.57	.05	0	0	.21*	0	8.60
783	COON CANYON	.52	1.68	0	3.62	1.38	.54	2.66	.17	0	0	.36	0	10.93
784	COON CANYON	.55	1.67	0	3.75	1.33	.48	2.95	.15	0	0	.40	0	11.27
785	COON CANYON	.57	1.80	0	3.73	1.35	.54	3.26	.22	0	0	.47	0	11.94
786	COON CANYON	.59	1.71	0	3.80	1.23	.60	2.87	.16	0	0	.45	0	11.41
787	COON CANYON	.59	1.65	0	3.79	1.18	.55	3.17	.14	0	0	.45	0	11.52
788	COON CANYON	.60	1.75	0	3.68	1.23	.55	3.00	.15	0	0	.49	0	11.45
789	EL PRIETO CANYON	.61	1.72	0	3.94	1.40	.53	3.53	.26	0	0	.48	0	12.47
790	FILLMORE CITRUS ASSOCIATION	.11	1.41	.21	2.78	1.69	.77	1.43	.06	0	0	0	0	8.46
791	SATICOY - CULBERTSON LEMON ASSOCIATION	.36	1.10**	.21*	2.29	2.03	.47*	2.08	0	0	0	.01*	0	8.55*
792	SANTA PAULA - CO. AGRICULTURE OFFICE	.45	.94	.16	2.53	1.32	.86	1.89	0	0	0	T	0	8.15
793	MARKHAM SADDLE	.67	2.63	0	4.41	1.85	.64	4.84	.21	0	0	.14	0	15.39
794	LOWER FRANKLIN RESERVOIR	.62	1.36	.03	3.53	1.31	.27	1.86	.10	0	.30	0	0	9.38
795	PASADENA - JOURDAN	.38	1.56	.01	3.65	1.02	.81	2.76	.24	T	0	.19	0	10.64
797	DE SOTO RESERVOIR	.54	2.43	.43	3.53	.94	.78	1.43	.03	0	0	.26	0	10.37
799	BALDWIN HILLS RESERVOIR	.26	.90	.09	2.71	.94	.37	.91	.06	0	0	.07	0	6.31
800	PACOIMA CANYON - NORTH FORK	.33	1.02		N O T I N S T A L L E D									INC.
801	MAGIC MOUNTAIN	.90	1.66	.25	2.82	.68	.50	1.94	.18	0	0	0	0	8.93
1000	HUNT CANYON - BONES RANCH	0	.17	.05	1.73	.15	.18	.50	.50*	0	.50*	0	0	3.78
1001	SAN GABRIEL - WEST FORK GUARD STATION	.49	2.36		N O T I N S T A L L E D									INC.
1002	TUJUNGA - TANGUAY	.28	1.00	.27	3.57	1.32	.85	2.38	.13	0	0	.21	0	10.01
1004	MALIBU CREEK - CRATER CAMP	.85	1.13	.06	4.40	1.43	.97	2.48	.04*	0	0	0	.19	11.55
1005	MINT CANYON - THE OAKS	.18	.73	.09	2.02	.38	.87	1.14	.16	0	0	T	0	5.57
1006	SAN PEDRO - CITY RESERVOIR	.13	.79	.14	2.46	1.84	.39	1.66	0	0	0	.03	0	7.44
1007	ANGELES CREST HIGHWAY - CAMP VALCREST	.36*	1.64*	.20	2.80	1.95	1.05	2.46	.60	0*	0*	0	.01	11.07**
1008-E	LA FRESA - SO. CALIF. EDISON CO. SUBSTATION	.07	1.01	.10	3.13	1.54	.59	1.34	0	0	0	0	0	7.78
1009	MINT CANYON - OYER	.14	.27	.08	1.81	.54	.72	.99	.11	0	0	T	0	4.66
1010B	PALMER CANYON - FORKS	.11	1.55	0	4.20	1.52	.84	4.09	.18	0	0	0	.18	12.67
1011	SAN PEDRO HILLS - SWAFFIELD	.32	1.88	.31	2.62	1.98	.47	2.25	0	0	0	.18	0	10.01
1012	CASTAIC JUNCTION	.30	.23	.13	2.25	.61	1.06	.98	.01	0	0	.02	0	5.59
1013B	TUJUNGA CANYON - ABOVE GOLD CANYON	.34	1.66	.03	3.06	1.48	.46	2.36	.22	0	0	.09	0	9.70
1014	RIO HONDO SPREADING GROUNDS	.10	1.30	0	2.72	1.02	.79	2.13	.29	0	0	.07	T	8.42
1016	PALO COMADO CANYON - AGOURA	.15	1.01	.39	2.60	1.16	1.04	.93	0	0	0	.03	0	7.31
1017	LITTLE ROCK CREEK - ABOVE SANTIAGO CREEK	0	.15	0	1.13	.26	.12	.70	.75	0	1.35	0	0	4.46
1018	OAT MOUNTAIN - DEVIL'S CANYON	1.02	2.05	.20	4.04	1.26	1.13	2.43	0	0	0	.42	0	12.55
1019	SANTA SUSANA MOUNTAINS - SALT CANYON	.48	.96	.10	2.52	1.00	.90	1.95	0	0	0	.34	0	8.25
1020	PADUA HILLS PATROL STATION	.15	1.28	0	3.97	1.67	.73	3.11	.21	0	0	0	.23	11.35
1021	YERBA BUENA WATER TANK	1.28	2.14	.24	3.94	.99	.97	3.26	.21	0	0	.16	0	13.19
1022	HASLEY CANYON - WESTERN GULF OIL COMPANY	1.06	.79	.06	3.52	1.02	.93	1.43	0	0	0	T	0	8.81
1023	GARRAPATA CANYON - MC BRIDE			N O R E C O R D										INC.
1024B	TOPANGA - DE WITT			N O T I N S T A L L E D										INC.
1025	MALIBU BEACH - DUNNE	.64	1.38	.05	3.25	1.08	.79	1.57	.02	.02	0	.27*	0*	9.07**
1026	SANTA ANITA ABOVE WINTER CREEK	.90	1.99	.05	4.34	1.79	.89	4.25	.04	0	0	.26	0	14.51
1028	CORRAL CANYON - STEWART	1.49	1.76	.08	4.18	1.31	1.08	2.12	0	0	0	.02	0	12.04
1029	TUJUNGA - MILL CREEK SUMMIT	.45	1.15	0	3.08	.92	.66	1.60	.65	0	.52	0	0	9.03
1030	MT. ISLIP - LITTLE JIMMY SPRINGS	.48	1.65	.17	2.73	1.53	1.29	3.01	.54	0	0	0	0	11.40
1031	WATERMAN MOUNTAIN			N O R E C O R D										INC.
1032	MALIBU CANYON - CAMP 3	1.44	1.19	.05	4.14	1.06	.74	1.97	0	.03	0	.40	0	11.02
1033	WATERMAN MOUNTAIN - SKI LIFT	.50	1.43	N.R.	N.R.	N.R.	1.89	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	INC.
1034	SANTA CLARA - 6S RANCH AIRPARK	.10	.20	.15	1.75	.53	.81	1.01	0	0	0	0	0	4.55
1035	WHITTIER - WOOD	.06	1.76	.01	2.84	.73	.97	2.03	.58	0	0	.12	0	9.10
1036	LITTLE TUJUNGA CANYON	1.02	2.45	.24	4.44	1.13	.65	3.22	.14	0	0	.24	0	13.53
1037	ARCADIA - ARBORETUM	.41	1.65	.02	3.82	1.01	.82	2.81	.40	0	0	.20	0	11.14
1038	PACIFICO MOUNTAIN	N.I.	N.I.	.09	1.72	.84	.36	1.05	.44	0	.03	0	0	INC.
1039	LOS ANGELES - MC QUEEN	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	.20	0	INC.
1040	POTRERO CANYON - SUNRAY OIL CORP.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	0	0	INC.
1041B	SANTA FE DAM	.23	1.56	0	3.13	.64	.59	2.37	.27*	0	0	.13	0	8.92
X-3A	RUSTIC CANYON	INC.	INC.	.16	4.03	I N C O M P L E T E								INC.
X-6	ENCINO	.43	1.44	.06	3.14	1.10	.98	1.71	.01	0	0	.28	0	9.15
X-7	LLANO - PETERSEN	0*	T*	.01	1.17	.60	T	.44	.45*	0	.25*	0	0	2.92**
X-8	LANCASTER - ADAMS	0*	T*	.01	1.08	.07	.16	.37	.40	0*	.04	0	0	2.13**
X-9	C. V. I. - COLES	0*	.21*	.02	.89	.07	.33	.26	.10	0	0	0	0	1.88**
X-10	FAIRMONT - BARNES	0	.21*	T	1.06	.52	.10	.42*	0*	0*	0*	0*	0*	2.31**
X-11	BORON - HORTON	N.I.	N.I.	N.I.	N.I.	T	.10	.46	.05	0	0	0	0	INC.
X-12	WILSONA - FITCH	N.I.	N.I.	N.I.	N.I.	T	.06	.37	.46	0	0	0	0	INC.
X-13	WILSONA - DICKENSEN	N.I.	N.I.	N.I.	N.I.	T	.30	.47	.60	N.R.	N.R.	N.R.	N.R.	INC.
X-14	ROSAMOND - BORUNDA	N.I.	N.I.	N.I.	N.I.	.01	0	.51	.20	N.R.	N.R.	N.R.	N.R.	INC.
X-15	HI VISTA - CARD	N.I.	N.I.	N.I.	N.I.	T	.40	.50	.50	0	0	0	0	INC.

LEGEND

* - - - - - - - - ESTIMATED FROM NEAR BY STATION

** - - - - - - - - PARTLY ESTIMATED

INC. - - - - - - - - INCOMPLETE

N.I. - - - - - - - - NOT INSTALLED

N.R. - - - - - - - - NO RECORD

TABLE VII

RAIN GAGE STATION LOCATION

SEASON 1949 - 50

STA. NO.	TYPE GAGE	QUAD INDEX	ELEV. U.S.G.S.	NORTH LAT. °	′	"	WEST LONG. °	′	"	OBSERVER	LOCATION
2B	S	22-25	1050	34	02	55	118	46	25	H. J. HELLER	UPPER ESCONDIDO CANYON
3B	S	34-09	975	34	06	20	118	47	30	J. K. WARD	SEMINOLE HOT SPRINGS - LA SIERRA CANYON AT CORNELL
5B	S	35-64	924	34	09	30	118	38	09	TOM FARMER	4803 EL CANON AVENUE, CALABASAS
6	SA	24-01	747	34	05	08	118	35	58	CAPTAIN BARTON	0.5 MILES SOUTH OF TOPANGA POST OFFICE
7C	S	24-55	95	34	02	28	118	32	45	KAY MATSUDA	BEL AIR BAY CLUB, ROOSEVELT HIGHWAY 16801
9	SP	48-37	815	34	13	34	118	28	03	ROBERT LARSON	8535 SEPULVEDA BOULEVARD, SAN FERNANDO VALLEY
*10	SA	25-51	540	34	05	11	118	26	45	R. F. LANDRY	701 STONE CANYON ROAD, WEST LOS ANGELES
11C	SP A	37-87	867	34	07	14	118	24	38	H. KING	UPPER FRANKLIN CANYON RESERVOIR
12	S	37-86	1175	34	07	48	118	24	42	S. H. WALTMAN	MULHOLLAND HIGHWAY AT FRANKLIN CANYON
13	S	38-34	593	34	09	47	118	22	17	KATIE BLIX	10834 EAST BLIX STREET, NORTH HOLLYWOOD
14	SP	49-46	1000	34	14	19	118	21	28	E. S. MERRILL	NEAR MOUTH OF LA TUNA CANYON, ROSCOE
15	SP A	37-41	695	34	10	48	118	27	03	W. C. WOODSON	AETNA AND VESPER STREETS, VAN NUYS
17	S	37-07	1400	34	07	48	118	29	42	C. W. AYERS	SEPULVEDA CANYON AT MULHOLLAND HIGHWAY
*18C	S	36-63	785	34	10	07	118	32	07	F. M. WINKLE	18448 VENTURA BOULEVARD, RESEDA
*20B	S	35-84	986	34	09	07	118	36	35	K. G. HILE	GIRARD RESERVOIR
21	S	36-02	891	34	10	16	118	35	56	C. F. DAIC	WEST OF CANOGA AVENUE, NORTH OF VENTURA BOULEVARD, BRANT RANCH
23-E	SP AP	46-87	865	34	13	36	118	37	03	A HIRSCHY	EAST END CHATSWORTH RESERVOIR, WEST END SAN FERNANDO VALLEY
24D	S	46-94	957	34	15	23	118	36	19	TRACY HUGHES	10202 TOPANGA CANYON ROAD
25B	SP	47-57	795	34	13	44	118	32	53	JACK ANDREWS	19055 WEST PARTHENIA STREET, NORTHRIDGE
*27B	S	48-64	939	34	15	23	118	26	09	GLEN C. RADDATZ	14333 VAN NUYS BOULEVARD, PACOIMA
28C	SP	48-32	950	34	16	17	118	28	13	R. C. SMITH	15530 MISSION BOULEVARD, SAN FERNANDO
29B	S	47-81	1150	34	17	02	118	30	50	L.A.W.D. OPERATOR	MAYERLING STREET AT L.A.W.D. PUMP PLANT
30	SP	59-28	1250	34	18	37	118	28	17	W. C. SIMONDS	SYLMAR OLIVE PACKING PLANT
31	S	58-27	2850	34	19	28	118	34	14	W. G. WILLET	ORCUTT RANCH, OAT MOUNTAIN
32C-E	S	58-61	1243	34	23	07	118	31	54	CAPTAIN DARIES	1/4 MILE NORTH OF NEWHALL, 1457 SAN FERNANDO ROAD
33A'-E	S A	60-07	1500	34	19	48	118	23	59	L. L. MOORE	BELOW PACOIMA DAM AT CARETAKER'S HOUSE
39B	8.81M	50-19	1610	34	12	18	118	17	05	WILLIAM BRUSSTAR	SUNSET DAM, BURBANK
42	8.81	7-15	50	33	50	28	118	23	22	F. M. ARNOLD	ROOF OF CITY HALL, REDONDO
43A	SP	7-19	300	33	48	00	118	23	20	R. W. HIATT	75 MALAGO COVE PLAZA, PALOS VERDES ESTATES
43B	SP	2-20	450	33	47	47	118	22	12	JACK CAGLEY	GOLF CLUB - PALOS VERDES ESTATES
44	S	1-85	125	33	44	30	118	24	38	JOE MAY	POINT VICENTE LIGHTHOUSE
46D-E	SA	51-10	2315	34	17	31	118	11	15	D. J. ROBERTSON	WEST OF SPILLWAY, BIG TUJUNGA DAM
47A'	S	51-22	3100	34	16	36	118	10	15	MRS. R. H. ROGERS	CLEAR CREEK, 1.6 MILES ABOVE BIG TUJUNGA CANYON
47C	SA	51-22	3125	34	16	45	118	10	27	L. TURNER	CLEAR CREEK NEAR ANGELES FOREST HIGHWAY
48	S	51-15	1800	34	14	44	118	11	00	U.S.F.S. EMPLOYEES	OAKE WILDE - ARROYO SECO
50B	S	40-10	1155	34	11	48	118	11	03	EVELYN MAY	352 FOOTHILL BOULEVARD, FLINTRIDGE
51	S	65-69	4010	34	18	06	117	50	20	EULA MOUNTAIN	FALLING SPRINGS CAMP, NORTH FORK, SAN GABRIEL CANYON
52B	S	51-44	3000	34	15	32	118	09	14	EDGAR SWANSON	SWITZERS CAMP, ARROYO SECO
52C	SA	51-53	3290	34	15	58	118	08	37	M. E. LITTEN	WATERMAN GUARD STATION - ARROYO SECO
53A	SA	62-89	3500	34	18	04	118	06	42	FRANCIS R. LA POINT	COLBY'S, COLDWATER CANYON, BIG TUJUNGA
54	SP A	63-55	4025	34	20	30	118	02	56	MRS. L. G. LOOMIS	NEAR JUNCTION NORTH AND MIDDLE FORKS, ALDER CREEK
57B-E	SP A	52-04	4250	34	15	13	118	05	50	J. G. VAUGHN	WEST FORK SAN GABRIEL RIVER OPID'S (CAMP HI-HILL)
58	S	52-67	3225	34	13	51	118	02	19	REV. VICKERY DAUGHERTY	STURTEVANT CAMP, BIG SANTA ANITA CANYON
60A	SA	52-69	2750	34	12	32	118	02	02	IVY HOLZER	WINTER CREEK WEST OF SANTA ANITA CANYON, HOEGEE'S (CAMP IVY)
62	S	41-80	1950	34	11	28	118	01	05	R. S. SPENCER	SANTA ANITA CANYON, 1/4 MILE BELOW JUNCTION WITH WINTER CREEK
63B-E	SA	41-81	1400	34	11	04	118	01	11	K. A. SHIPLEY	SANTA ANITA DAM AT CARETAKER'S HOUSE
66	S	41-54	665	34	09	29	118	02	36	RICHARD LAWYER	415 ORANGE AVE., SIERRA MADRE
67B	S	41-95	600	34	08	57	118	00	02	A. A. BLAKSLEY	ROOF OF CITY HALL, MONROVIA
68B	S	42-12	1378	34	10	35	117	59	15	F. D. KELLY	SAWPIT DAM AT CARETAKER'S HOUSE
69	S	42-31	2000	34	11	10	117	57	55	F. O. KELLY	UPPER SAWPIT CANYON, 0.5± MILE NORTHEAST OF SAWPIT DAM
70	SA	42-93	800	34	09	48	117	54	17	ROGER DALTON	MOUTH OF SAN GABRIEL CANYON AT ROBERTS CANYON (ROGERS CN.)
73	S	43-54	1200	34	09	22	117	50	53	O. H. ENGLEHART	MOUTH OF ENGLEWILDE CANYON, GLENDORA
76B	S	54-57	1500	34	13	33	117	50	48	GEORGE MIDDLETON	SAN GABRIEL DAM #1 CAMP
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
85D	SP A	56-46	4300	34	14	12	117	39	32	L. H. KELLOGG	U.S.F.S. GUARD STATION, CAMP BALDY
87	S AP	44-33	1500	34	09	56	117	46	02	J. M. WALSH	SAN DIMAS CANYON AT WEST FORK
89 E	SA	44-24	1350	34	09	05	117	46	28	AL BLEEMERS	SAN DIMAS CANYON BELOW DAM AT CARETAKER'S HOUSE
90	S	44-44	1680	34	09	00	117	45	32	CHARLES S. ELDER	NORTH END OF BRYOON ROAD, LA VERNE
91	S	44-87	1405	34	07	16	117	43	11	PAUL COLDIRON	2945 INDIAN HILL BOULEVARD, CLAREMONT
92	SA	32-90	1190	34	05	52	117	42	34	DOCTOR WHITNEY	POMONA COLLEGE AT BRACKETT OBSERVATORY
93B	8.81	32-80	1165	34	05	47	117	42	59	CHARLES STARCHER	221 WEST SECOND STREET, CLAREMONT
94	S	31-60	805	34	06	00	117	50	02	WILL G. FIELDS	1331 WEST COVINA BOULEVARD, SAN DIMAS
95	S	43-99	960	34	06	28	117	48	22	N. Z. KIMBALL	114 EAST FIRST STREET, SAN DIMAS
96 E	S	31-90	1030	34	05	30	117	48	24	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
99	S	43-06	615	34	08	00	117	53	37	PAUL W. MOORE	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	14	117	52	13	CAPT. G. M. GUTHBERT	4009 EAST POMONA BOULEVARD, WALNUT
104	SP	30-09	600	34	00	23	117	59	46	JOHN THOMAS	14570 SEVENTH AVENUE, NORTH WHITTIER HEIGHTS
105	S	16-64	215	33	57	33	118	01	49	PETER E. SHARPLESS	1226 LAUREL AVENUE, WHITTIER
106	S	16-61	365	33	58	53	118	02	13	K. R. WARREN	ROOF OF CITY HALL, WHITTIER
107C	8.81	15-66	130	33	56	18	118	08	03	L.A. CO. FIRE DEPT. EMPLOYEES	11435 DOWNEY AVENUE, DOWNEY
108B	SA	29-62	301	34	04	23	118	02	06	CHALMER WIRE	126 SOUTH TYLER AVENUE, EL MONTE
109D	S	41-27	540	34	07	38	118	04	23	B. E. MATHEWS	1321 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, CITY HALL, ALHAMBRA
111	SP	40-48	690	34	06	58	118	09	05	NORVAL B. KRUG	NORTHWEST CORNER MOUND AND MISSION STREETS, CITY HALL, SOUTH PASADENA
116C	SA	13-43	1551	33	57	54	118	21	15	C. A. BECK	11 REGENT STREET, INGLEWOOD
117B'	S	8-70	68	33	53	43	118	13	30	CAPT. C. SHAW	WILLOWBROOK AND PALM STREETS, COMPTON
118B	S	3-41	40	33	47	20	118	15	32	E. A. BISHOP	1251 BANNING BOULEVARD, WILMINGTON
119D	S	25-44	355	34	03	25	118	27	17	JOSEPHINE MC CARTHY	NATIONAL MILITARY HOME, SAWTELLE
120	S	74-51	3250	34	29	30	118	07	45	J. B. SIGRIST	1533 SIERRA HIGHWAY, VINCENT
121	S	112-79	2350	34	41	58	118	07	48	E. M. HUFF	UNION HIGH SCHOOL, LANCASTER
122B	S	98-49	3130	34	36	27	118	15	31	JOHN RITTER	SOUTH OF JUNCTION OF GOODE HILL ROAD AND ELIZABETH LAKE ROAD
124B	S AP	84-31	3000	34	35	10	118	21	40	CARETAKERS	BOUQUET CANYON RESERVOIR
125	SP	83-40	2100	34	35	20	118	27	10	POWER HOUSE OPERATOR	POWER PLANT #1, UPPER SAN FRANCISQUITO CANYON
126B	S	12-41	55	33	59	21	118	27	15	R. TODA	FIRE STATION - VENICE
127	SP	70-71	1507	34	28	55	118	31	40	JIM RAY	DRY CANYON RESERVOIR
128B	S	95-39	2075	34	36	28	118	33	40	GEORGE RING	ELIZABETH LAKE CANYON AT RADIUM HOT SPRINGS
130B	S	106-85	4025	34	44	37	118	42	43	JACK RIMMER	QUAIL LAKE, COUNTY PATROL STATION, SANDBERGS
134	S	44-07	1110	34	07	39	117	47	45	A. L. STEVENS	NORTH OF FOOTHILL, WEST OF SAN DIMAS CANYON ROAD, SAN DIMAS
135	S	10-30	83	33	53	50	118	03	58	C. J. HARGITT	12450 MAPLEDALE STREET, NORWALK
136B	S	26-70	305	34	05	28	118	19	30	H. P. LARSON	6225 SANTA MONICA BOULEVARD, HOLLYWOOD
139	SP	27-54	300	34	03	08	118	14	48	J. JONES	SOUTHEAST CORNER SECOND AND HILL STREETS, L.A.W.D. ROOF
140	S	25-55	232	34	02	44	118	26	57	I. P. MILLER	1620 SOUTH PURDUE STREET, WEST LOS ANGELES CITY HALL
143	S	42-96	607	34	08	04	117	54	17	CORNELIUS SMITH	CITY HALL PARK, AZUSA
144	S	41-52	1100	34	10	34	118	02	32	F. W. LEWIS	BELOW SIERRA MADRE DAM
150	SA	42-11	1800	34	11	09	117	59	14	F. D. KELLY	MONROVIA CANYON FALLS
155B	S	87-79	3035	34	30	18	118	01	40	MYRTIE BRESLIN	LITTLE ROCK CREEK, 1.5 MILES BELOW DAM
156	SA	10-81	86	33	53	15	118	00	58	O. W. SCHROER	14758 ALONDA BOULEVARD, LA MIRADA
157B	S AP	12-88	150	33	54	57	118	25	10	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

TABLE VII

RAIN GAGE STATION LOCATION

SEASON 1949 - 50

STA. NO.	TYPE GAGE	QUAD INDEX	ELEV. U.S.G.S.	NORTH LAT. ° ′ ″	WEST LONG. ° ′ ″	OBSERVER	LOCATION
167	SP	41-64	611	34 09 32	118 02 02	M. LEE	67 ORANGE GROVE AVENUE, ARCADIA
169	SP	41-63	700	34 09 49	118 02 23	FRED W. LEWIS	621 EAST SIERRA MADRE AVENUE, SIERRA MADRE
170C	S	29-15	290	34 02 37	118 04 53	K. P. TATUM	3636 WALNUT GROVE AVENUE, SAN GABRIEL
171	SP	41-35	635	34 08 48	118 04 05	W. E. COMERFORD	SOUTH OF COLORADO STREET ON MICHILLINOA AVE., LAMANDA PARK
172B	SP	42-35	548	34 08 28	117 58 04	J. S. BLAIN	1101 SOUTH OAK STREET, DUARTE
174	SP	43-86	965	34 07 57	117 49 10	BERT WARREN	OLD FOOTHILL BOULEVARD 2.25 MILES 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 16	MRS. V. C. SCHAD	583 SACRAMENTO STREET, ALTADENA
177C	S	51-09	1255	34 12 12	118 11 36	P. L. BRADFORD	4607 NORTH OAKWOOD AVENUE, LA CANADA
178	A	43-09	545	34 06 24	117 53 58	E. B. GRIFFITH	17914 EAST ARROW HIGHWAY, AZUSA
179C	SP A	41-52	1220	34 10 23	118 03 34	PAUL N. CARTER	700 NORTH LIMA STREET, SIERRA MADRE
181B	S	29-94	293	34 03 10	118 00 06	R. S. CLIFFORD	13010 VALLEY BOULEVARD, BASSETT
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
192B	8.81"	15-12	145	34 58 47	118 11 18	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 05	117 46 18	A. F. DOVE	2061 THIRD STREET, LA VERNE
198B	8.81"	39-21	890	34 11 04	118 16 34	W. L. BRUSSTAR	MOUTH OF BRAND CANYON
199B	S	14-81	175	33 59 21	118 13 06	WILL LOUGH	2886 SLAUSON AVENUE, HUNTINGTON PARK
200	S	70-27	1093	34 25 23	118 34 32	ROY GALLIAN	SO. CALIF. EDISON CO. SUBSTATION, 2.5 MILES WEST OF SAUGUS
201	SA	17-00	860	34 59 40	117 59 30	HARVEY LOWERY	3251 TURNBULL CANYON ROAD, PUENTE
205	SP	30-79	374	34 00 34	117 55 46	SO. CALIF. EDISON CO. EMPLOYEES	VALLEY BOULEVARD, 1/5 MILES EAST OF PUENTE
206	S	30-94	467	34 03 19	117 54 25	P. R. JACKSON	1126 SOUTH AZUSA AVENUE, VALENCIA HEIGHTS, WEST COVINA
208	S	10-14	49	33 51 35	118 04 52	ALBERT SHULTZ	BARR LUMBER,18810 PIONEER BOULEVARD, ARTESIA
210B	SA	39-21	1250	34 11 19	118 16 21	FLOOD CONTROL EMPLOYEES	SOUTHWEST SLOPE, 200 FEET ABOVE TANK, BRAND PARK
213B	SA	26-43	175	34 03 49	118 21 22	FLOOD CONTROL EMPLOYEES	HANCOCK PARK, 5801 WILSHIRE BOULEVARD, LOS ANGELES
215B	S	9-71	73	33 52 56	118 07 29	CAPT. PANN	9817 EAST FLOWER STREET, BELLFLOWER FIRE STATION
216	SP	39-43	620	34 09 55	118 15 01	J. E. JONES	318 EAST RANDOLPH STREET, GLENDALE
217	8.81"	14-75	110	33 56 37	118 13 45	W. HUTCHERSON	2265 EAST 103RD STREET, WATTS
219	S	48-94	955	34 15 21	118 24 27	L.A. CO. F. AND F.W. EMPLOYEES	12605 OSBORNE AVENUE, PACOIMA
221B	S	59-99	1325	34 18 32	118 24 20	RANCH FOREMAN	12500 NORTH MACLAY STREET, PACOIMA
222	SP	38-10	732	34 11 55	118 23 18	PLANT OPERATOR	11845 VOSE STREET, NORTH HOLLYWOOD
223B-E	S AP	43-83	1575	34 10 13	117 48 30	H. PAUL KEISER	BELOW BIG DALTON DAM AT CARETAKER'S HOUSE
224B	S	4-03	150	33 46 07	118 11 30	R. A. BIXBY	FIRST STREET, PINE AVENUE, LONG BEACH
225	S	9-85	47	33 50 35	118 07 09	P. LUCAS	MONTANA RANCH, 5812 ARBOR ROAD, SOUTHWEST OF ARTESIA
226	8.81"	38-91	665	34 10 55	118 18 24	CHIEF F. OLCHVARY	125 EAST THIRD STREET, BURBANK
227B	S	40-99	487	34 06 32	118 06 19	C. B. SOLLOWAY	424 NORTH MILTON AVENUE, SAN GABRIEL
228B	3"P, AP	26-02	290	34 04 27	118 23 57	C. VALLE RIESTRA	CITY HALL ROOF, BEVERLY HILLS
230C	SP	44-68	1255	34 00 57	117 44 12	C. F. ELDER	4055 NORTH SAN ANTONIO AVENUE, NEAR THOMPSON CREEK
234	S	31-23	630	34 03 39	117 52 38	BEN F. THORPE	19167 CAMERON AVENUE, WEST COVINA
235B	SP A	41-10	2550	34 11 36	118 05 20	SAMMUAL GOSSARD	HENNINGER FLATS NEAR MT. WILSON TOLL ROAD
236	S	59-88	1455	34 19 12	118 24 59	K. RUST	MOLLIN GROVES, SAN FERNANDO, NORTH END HUBBARD AVENUE
237A	SP	37-49	725	34 06 25	118 27 13	L.A.W.D. EMPLOYEES	STONE CANYON DAM
237B	AP	37-49	725	34 06 23	118 27 17	L.A.W.D. EMPLOYEES	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 12	118 11 35	C. C. BOWERS	VETERANS' MEMORIAL BUILDING, LONG BEACH
246B	S	26-18	75	34 01 00	118 23 17	W. W. CHANDLER	CORNER JEFFERSON AND DUQUESNE STREETS, CULVER CITY
250C	S	74-04	2550	34 27 02	118 11 52	ISABEL ROTH	SOLEDAD AND ARRASTRE CANYON ROADS, ACTON
251	S	50-57	1565	34 13 28	118 14 24	L. M. DYSON	2908 FOOTHILL BOULEVARD, LA CRESCENTA
254	S	17-50	466	33 59 37	117 56 30	JOE IRIARTE	ROWLAND RANCH, PUENTE
255A	S	31-55	770	34 02 51	117 50 50	M. P. LOWE	SAN JOSE HILLS NEAR SPADRA, MT. SAN ANTONIO JUNIOR COLLEGE
256B	S	32-44	882	34 03 26	117 45 04	M. M. KERSLAKE	FIFTH AND THOMAS STREETS, POMONA
257	SA	39-17	750	34 07 12	118 17 11	J. KLADLER	2650 NORTH COMMONWEALTH AVENUE, GRIFFITH PARK NURSERY
258a	S	38-97	1100	34 07 24	118 18 11	LOUIS STRAUSS	WEST OF TUNNEL, POINT OF RIDGE, GRIFFITH PARK
258b	S	39-07	1400	34 07 45	118 17 53	LOUIS STRAUSS	SOUTH SLOPE OF MOUNT HOLLYWOOD, GRIFFITH PARK
258C	S	39-06	1600	34 07 54	118 17 54	LOUIS STRAUSS	NORTH SLOPE OF MOUNT HOLLYWOOD, GRIFFITH PARK
259C	SA	46-92	1254	34 16 41	118 36 12	R. S. CURRIER	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
263A	S	32-56	778	34 01 54	117 44 26	G. H. GRANT	2211 SOUTH TOWNE AVENUE, POMONA
265C-E	S	17-74	675	33 57 13	117 55 23	P. J. WEISEL JR.	1500 FULLERTON AVENUE, PUENTE HILLS
266	SP	17-06	253	33 56 25	117 59 35	J. M. STEPHENSON	10522 SANTA GERTRUDES AVENUE, EAST WHITTIER
269A	S	18-53	720	33 58 09	117 50 40	E. K. HAYS	DIAMOND BAR RANCH #1, BREA CANYON ROAD
269B	SP AP	18-62	760	35 58 42	117 49 54	ANGEL REYES	DIAMOND BAR RANCH #2, HORSE CAMP, BREA CANYON ROAD
270	S	15-46	104	33 56 17	118 09 22	CLYDE MORROW	12041 OLD RIVER SCHOOL ROAD, DOWNEY
271	S	8-63	195	33 51 37	118 14 01	J. J. QUIJADA	DOMINGUEZ HILLS, 18800 WILMINGTON BOULEVARD
272B	S	38-94	475	34 09 21	118 18 20	MARVIN SMITH	SOUTH OF LOS ANGELES RIVER, WEST OF VICTORY BOULEVARD
273C	S	2-12	1215	33 46 23	118 22 57	MAJOR L. RUTH	RADIO ROAD, SAN PEDRO HILLS
274	SP	85-68	3250	34 30 50	118 14 10	MRS. A. S. HUBBARD	MINT CANYON ROAD JUST EAST OF SUMMIT, ACTON
275	3"P	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	211	34 02 00	118 18 58	ZACK LIND	CLARK MEMORIAL LIBRARY, 2205 WEST ADAMS, LOS ANGELES
279A	SP	41-11	1325	34 10 50	118 05 04	ROSS M. LOCKHART	KINNELOA RANCH, PASADENA GLEN, PASADENA
280B	SA	40-01	1325	34 10 57	118 11 47	WRIGHT AND COLLINGS	1028 INVERNESS DRIVE, FLINTRIDGE
283B	SA	65-67	5770	34 19 38	117 50 12	L. W. CAMMACK	CRYSTAL LAKE, EAST PINE FLAT AT GUARD'S HOUSE
284	S	59-22	1480	34 22 38	118 28 42	D. F. POLLOCK	PLACERITA CANYON, GAFFER RANCH, NEWHALL
285C	S	25-11	1025	34 05 10	118 28 57	MARTIN BULLINGER	MOUNT ST. MARY'S COLLEGE, SANTA MONICA MOUNTAINS
287	SP	43-36	782	34 08 22	117 51 54	H. C. WARREN	224 NORTH MICHIGAN AVENUE, GLENDORA
289	SP	15-52	140	33 56 38	118 08 45	D. O. COFFMAN	6301 SOUTH GARFIELD AVENUE, BELL
290	S	28-75	375	34 02 45	118 07 43	C. D. BELL	LA MERCED HILLS, 1315 GARFIELD AVENUE, NEWMARK
291	SA	14-45	121	33 57 00	118 15 25	W. L. HOWELL	96TH STREET AND CENTRAL AVENUE, LOS ANGELES
292B-E	S	36-85	1000	34 08 57	118 30 55	H. MC CAULEY	ENCINO DAM, ONE MILE SOUTHWEST OF ENCINO
293-E	SP	48-11	1150	34 17 18	118 28 54	F. ORTIZ	LOWER SAN FERNANDO RESERVOIR
294	SP	41-53	985	34 10 11	118 02 57	F. W. LEWIS	MIRA MONTE AVENUE PUMP PLANT, SIERRA MADRE
295F	S	39-34	530	34 09 07	118 15 40	MAURICE KENNEDY	415 WEST LEXINGTON AVENUE, GLENDALE
298B	S	105-61	3650	34 47 18	118 49 54	DEWEY RALPHS	ONE MILE EAST OF GORMAN
299C	S	88-26	2805	34 32 10	117 58 39	MRS. LENA SCHWAB	85TH STREET E. AND AVENUE T 8, LITTLE ROCK
303F	SA	40-76	795	34 08 13	118 07 25	PROF. W. W. MICHAEL	HILL AVENUE AND CALIFORNIA STREET, PASADENA
304	S	42-30	2725	34 11 39	117 57 50	F. D. KELLY	AT DEER PARK, 1½ MILES ABOVE SAWPIT DAM
306C	S	21-56	8	34 01 50	118 50 32	TED BOEHME	TRANCAS BEACH, 30732 ROOSEVELT HIGHWAY
307	S	56-73	6500	34 16 05	117 37 35	WILEY MESSER	SNOW CREST CAMP
311b	SP AP	40-43	918	34 09 46	118 09 28	PASADENA WATER DEPT. EMPLOYEES	1083 MENTONE STREET, PASADENA
312	SP	42-85	675	34 08 51	117 54 55	F. BARNES	ONE MILE NORTHWEST OF AZUSA
321-E	S	96-72	3275	34 40 27	118 25 49	L.A. CO. F. AND F.W. EMPLOYEES	PATROL STATION BETWEEN ELIZABETH AND HUGHES LAKES
322	S	110-48	2600	34 42 50	118 21 15	E. S. MUNZ	BAILEY ROAD 14 MILES WEST OF LANCASTER
334B-E	S A	53-35	2330	34 14 37	117 57 37	E. K. DE VORE	SAN GABRIEL DAM #2, WEST FORK, SAN GABRIEL CANYON
336-E	SP	39-39	455	34 06 08	118 15 54	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	O. H. BASORE	¼ MILE WEST OF 60 INCH TELESCOPE, MOUNT WILSON AIRWAY STATION
339	SP	31-49	533	34 00 13	117 51 11	L. J. RICE	½ MILE SOUTHEAST OF WALNUT

TABLE VII

RAIN GAGE STATION LOCATION

SEASON 1949-50

STA. NO.	TYPE GAGE	QUAD INDEX	ELEV. U.S.G.S.	NORTH LAT. ° ' "	WEST LONG. ° ' "	OBSERVER	LOCATION
341	S	74-43	2900	34 27 51	118 09 25	GEORGE J. BLUM	ALISO CANYON, EAST OF ACTON
342	S	45-17	1550	34 07 13	117 40 48	R. C. CADNUM	1544 NORTH BENSON STREET, UPLAND
343B	SP	16-04	144	33 57 12	118 05 48	F. C. COLLINS	8705 PASSONS BOULEVARD, RIVERA
347-E	S	30-30	387	34 05 38	117 57 39	FLOOD CONTROL EMPLOYEES	SCOTT PLACE, ONE BLOCK WEST OF MAIN STREET, BALDWIN PARK
349B	S	54-46	1530	34 14 20	117 51 36	FLOYD ARNOLD	CAMP RINCON, WEST FORK SAN GABRIEL CANYON
351F	SP	86-82	2650	34 34 45	118 06 47	H. P. SCHOELLER	AVENUE 09 AND 9TH STREET EAST, PALMDALE
352	SA	21-21	1530	34 04 50	118 52 38	A. L. CESENA	LECHUZA PATROL STATION, 4 MILES FROM PACIFIC COAST ON DECKER ROAD
354D	S	56-36	4527	34 13 52	117 40 08	TED PEZMAN	COW CANYON AND SAN ANTONIO CANYONS DIVIDE, 1¼ MILES S.W. OF CAMP BALDY
355	S	27-01	335	34 05 21	118 17 34	J. F. BALL	855 NORTH VERMONT AVENUE, LOS ANGELES
356B	SA	31-95	685	34 02 32	117 48 34	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 #3, UPPER SAN FERNANDO RESERVOIR
362	SP	40-23	1025	34 09 56	118 10 46	C. KUN	1475 EL MIRADOR DRIVE, PASADENA
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
367	SP A	50-42	3450	34 16 18	118 15 07	J. P. KINDRED	AT UPPER FORK NEAR HEAD OF HAINES CANYON
372	SP A	82-76	1580	34 32 02	118 31 27	CHIEF G. DOTY	SAN FRANCISQUITO CANYON POWER HOUSE #2
373	SA	50-76	2310	34 14 16	118 13 42	L. R. BLEITZ	5613 CANYON SIDE DRIVE, BRIGGS TERRACE
375B	S	39-16	650	34 08 02	118 17 18	CHARLES H. ALLEN	GRIFFITH PARK ZOO, LOS ANGELES
377F	SP	33-04	1040	34 09 00	118 53 59	R. ROPER	LAKE SHERWOOD, VENTURA COUNTY
379B	SA	54-96	1600	34 14 10	117 48 18	GEORGE MIDDLETON	EAST FORK, 2.7 MILES ABOVE FORKS, SAN GABRIEL RIVER
380	SA	28-11	553	34 04 54	118 11 02	A. SINICHACK	4566 BEDILLION STREET, EL SERENO
381B	S	25-08	100	34 01 06	118 29 50	PAUL F. KNIEF	1245 4TH STREET, SANTA MONICA
384B	S	40-26	825	34 06 43	118 12 02	FINLEY B. LAVERTY	502 LAKEVIEW ROAD, PASADENA
386B	3RPS	21-71	1500	34 04 58	118 49 38	C. HIXON	DUME CANYON, 0.8 MILES SOUTHWEST OF BACKUS ROAD
387B	SP	31-01	508	34 05 02	117 53 57	H. SNODGRASS	227 SOUTH HOLLENBECK AVENUE, COVINA
388B	S	9-40	71	33 53 30	118 09 33	CAPT. C. M. JONES	15548 NORTH PARAMOUNT BOULEVARD, CLEARWATER
389	SP	43-35	825	34 08 49	117 52 04	FRANK H. BROWN	1000 FEET NORTH OF PENNSYLVANIA AND SIERRA MADRE AVENUES, GLENDORA
390B-E	SP	43-21	1210	34 11 12	117 52 43	FRED CHAPMAN	MORRIS DAM, SAN GABRIEL CANYON
391B	8.81R	28-98	215	34 00 40	118 06 17	CHIEF C. W. COX	140 NORTH SIXTH STREET, MONTEBELLO
394	S	40-28	620	34 97 06	118 10 40	MRS. ELISABETH S. STEVENS	6425 ELGIN STREET, HIGHLAND PARK
395	S	59-57	1425	34 19 31	118 26 56	R. N. LOOMIS	OLIVE VIEW SANITARIUM, SAN FERNANDO
402C	S	65-24	6665	34 21 18	117 52 32	H. D. JOHNSON	CEDAR SPRINGS STATE PRISON CAMP, ANGELES CREST HIGHWAY
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 E. GLADSTONE STREET, WEST AZUSA
407	S AP	58-82	1325	34 22 13	118 30 46	BERRIMAN, E. J. MADRAY	ONE MILE SOUTHEAST OF NEWHALL - U.S.F.S. DISTRICT HEADQUARTERS
409	S	93-12	2425	34 40 34	118 46 53	J. R. ROUPPE	18 MILES NORTH OF CASTAIC JUNCTION ON EAST SIDE OF RIDGE ROUTE
410A	S	81-13	2525	34 34 05	118 41 17	CAROLYN DURNFORD	7½ MILES NORTH OF CASTAIC, WEST SIDE OF RIDGE ROUTE
411B	SP	16-11	170	33 59 20	118 04 58	C. W. ROBINSON	6004 SOUTH PASSONS BOULEVARD, RIVERA
415	SA	4-30	125	33 47 49	118 10 03	GEORGE I. OSBORNE	ROOF OF CITY HALL, SIGNAL HILL
416	SP	40-40	1170	34 11 28	118 09 28	C. C. CURTIS	2666 LINCOLN AVENUE, ALTADENA
417	S	41-05	742	34 08 56	118 05 42	MANAGER LEAMAN	150 NORTH VINEDO STREET, LAMANDA PARK
419	SA P	61-92	5450	34 22 26	118 12 20	C. C. BREVIDORO	HEAD OF PACOIMA CANYON ON SANTA CLARA RIDGE, 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
421B	SP	48-91	1178	34 17 03	118 24 28	WARD HINKLE	11728 DRONFIELD AVENUE, SAN FERNANDO VALLEY
422C	S	60-25	2100	34 20 55	118 22 21	MRS. MARTHA J. GIFT	1.6 MILES NORTHEAST OF PACOIMA DAM
423	S	75-08	3920	34 24 56	118 04 28	EARL W. SCRIBNER	ALISO CANYON, 1.1 MILES BY ROAD FROM ANGELES FOREST HIGHWAY
425B-E	SA	54-39	1481	34 12 19	117 51 40	MIDDLETON AND HARRISON	SAN GABRIEL DAM #1, NEAR SPILLWAY
427	S	15-64	127	33 57 28	118 08 12	L. W. JORDAN	7535 EAST FLORENCE AVENUE, DOWNEY
430	S	70-57	1176	34 15 17	118 32 26	SOUTHARD AND HARVEY	SAUGUS, AT STATE HIGHWAY MAINTENANCE DEPARTMENT
432	S	52-89	2035	34 12 27	118 01 03	F. W. BERRY	SANTA ANITA CANYON, FERN LODGE
433	SA	51-69	1710	34 12 07	118 07 53	W. L. LEPISTO	FARNSWORTH PARK, ALTADENA
434	SA	34-46	800	34 07 57	118 45 08	CHIEF GEHR	MALIBU DIVISION HEADQUARTERS, 0.8 MILES SOUTHWEST OF AGOURA
435	SA	23-12	600	34 04 40	118 41 23	C. A. BOLLMAN	MONTE NIDO PATROL STATION, COLD CREEK NEAR MALIBU CREEK
436B	AP	49-04	1005	34 15 27	118 23 36	U.S.C. OF E. EMPLOYEES	HANSEN DAM - AT OFFICE
437	S	4-30	40	33 43 27	118 10 08	J. C. VIDMAR	HAMILTON BOWL, LONG BEACH
440B	S	63-97	5250	34 19 37	118 00 17	ARTHUR H. MILLS	CHILAO, U.S.F.S. CAMP
441-E	S	86-82	2662	34 34 31	118 06 53	JAMES R. NELAN	COUNTY ROAD DEPARTMENT MAINTENANCE YARD, 0.4 MILES SOUTH OF PALMDALE
442	SP	78-83	3810	34 28 09	117 44 45	E. A. EBERLE	NEAR MESCAL CREEK ON FORT TEJON ROAD, LLANO
443	S	21-80	1725	34 05 50	118 48 55	W. A. BRANDENBERGER	MULHOLLAND HIGHWAY AND BACKUS ROAD, SANTA MONICA MOUNTAINS
444B	SA	2-52	482	33 46 36	118 20 38	W. R. LA FLANNE	PALOS VERDES HILLS AT PALOS VERDES DRIVE AND PORTUGUESE ROAD
445B	SA	44-56	1510	34 08 02	117 44 38	H. R. WHISLER	LIVE OAK DAM
446	SA	58-48	2367	34 19 00	118 33 27	T. J. WALL	5.5 MILES NORTH OF DEVONSHIRE STREET IN ALISO CANYON - SANTA SUSANA MTS.
447B	S	23-65	145	34 02 47	118 38 18	T. E. CHENEY	0.7 MILES FROM PACIFIC COAST IN LAS FLORES CANYON
449	8.81R	41-03	915	34 10 08	118 05 28	D. WILSON	EATON DAM, ALTADENA
451B	S	69-83	1066	34 27 52	118 36 57	J. R. TROUT	24819 HIGHWAY 99
453	8.81R	40-21	1094	34 11 07	118 10 30	K. M. YORK	DEVIL'S GATE DAM, PASADENA
454	S	26-86	200	34 02 13	118 19 08	W. J. WOOD	2210 3RD AVENUE, LOS ANGELES
455	S	99-61	2395	34 40 57	118 08 03	L. R. POTTER	STATE HIGHWAY MAINTENANCE DEPARTMENT, 1.1 MILES SOUTH OF LANCASTER
456	S	102-54	2680	34 39 02	117 50 55	B. J. FEURER	PIUTTE BUTTE, 22 MILES EAST OF LANCASTER, 14 MILES NORTH OF LLANO
457B	S	27-32	400	34 04 17	118 16 04	S. M. HANCOCK	432 NORTH LAKE STREET, LOS ANGELES
458	S	22-08	115	34 01 10	118 47 46	CAPT. D. J. BARNES	28722 ROOSEVELT HIGHWAY, ZUMA PATROL STATION
460	S	76-65	4265	34 26 52	117 56 20	JAROMIR MATAY	PLEASANT VIEW MESA, 6 MILES SOUTH OF PEARBLOSSOM HIGHWAY
461	S	26-29	392	34 00 08	118 22 32	G. D. ASHDOWN	ONE MILE NORTH OF SLAUSON AVENUE, BALDWIN HILLS
462	S	25-94	196	34 03 05	118 24 06	WILLIAM STEWART	HILLCREST COUNTRY CLUB, 10,000 PICO BOULEVARD, LOS ANGELES
463	S	25-78	92	34 00 49	118 25 32	A. CURR	11637 CHARNOCK ROAD, SOUTHERN CALIFORNIA WATER COMPANY, MAR VISTA
464	S	51-40	3300	34 17 59	118 09 35	W. J. PHILLIPS	HONOR CAMP #5, ANGELES FOREST HIGHWAY, TUJUNGA CANYON
465B	AP	37-33	675	34 09 48	118 27 59	U.S.C. OF E. EMPLOYEES	SEPULVEDA DAM
466B	SA	60-54	3225	34 21 07	118 20 38	MRS. MARTHA J. GIFT.	PACOIMA CANYON, DUTCH LOUIE CANYON
468-E	S	50-77	1600	34 13 15	118 13 45	E. CLAIRE	PICKENS DEBRIS BASIN
469	SP	27-14	235	34 03 19	118 17 25	R. F. CRISLER	1015 MAGNOLIA AVENUE, LOS ANGELES
470	SP	63-10	4600	34 23 19	118 05 26	L. TURNER	NEAR TIE CANYON DIVIDE, MILL CREEK, TUJUNGA
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, 8 MILES WEST OF ACTON
474B	S	14-94	130	33 57 23	118 12 18	V. J. ALLMENDINGER	8917 STATE STREET, SOUTH GATE
475	SP	70-48	1134	34 25 04	118 33 23	H. METCHER	NEWHALL LAND AND FARMING COMPANY OFFICE, SAUGUS
476B	S	34-06	800	34 07 27	118 47 43	H. J. RUESS	RUESS RANCH, 1/2 MILE ABOVE LOBO CANYON IN TRIUNFO CANYON, CORNELL
477B	SA	53-28	4715	34 13 06	117 58 39	E. K. DEVORE	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, PEAR BLOSSOM HIGHWAY, VALYERMO
480B	S	41-49	404	34 06 32	118 03 27	CAPTS. ARNSPIGER AND CURRY	5946 KAUFFMAN AVENUE, TEMPLE CITY
482	S	27-17	208	34 01 15	118 17 17	D. M. WILSON	920 WEST 36TH PLACE, LOS ANGELES, CIVIL ENGINEERING BLDG., U.S.C.
485	S	30-90	522	34 05 48	117 54 04	G. W. BURCH	17621 CYPRESS AVENUE, COVINA
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 47	118 22 29	ROY KEAT	DEXTER PARK, KAGEL CANYON PATROL STATION
489	S	23-40	1318	34 05 39	118 39 23	J. H. STUNT	COLD CREEK CANYON, 3.2 MILES ABOVE MONTE NIDO PATROL STATION
490	S	101-42	2472	34 40 46	117 57 06	G. JOHNSON	¼ MILE N. OF TIERRA BONITA (AVE. K) ON W. SIDE OF 100TH ST., LANCASTER
491	S	24-75	313	34 02 47	118 31 28	OVERTON D. PETTIT	15224 SUNSET BOULEVARD, PACIFIC PALISADES
492	SA	63-98	5275	34 19 05	118 00 30	G. H. CUTTRISS	STATE HIGHWAY MAINTENANCE STATION NEAR CHILAO
493	S	59-81	1780	34 23 15	118 24 42	A. R. WHITMEYER	2.7 MILES SOUTH OF SOLEDAD CANYON ROAD, WEST OF SAND CANYON ROAD
494	S	29-19	181	34 00 13	118 05 08	IRA D. CATE	4901 COLUMBIA AVENUE, PICO
495	SA	27-35	335	34 03 55	118 15 38	H. K. WILLUT	751 SOUTH FIGUEROA STREET, LOS ANGELES
497	8.81R	44-67	1350	34 07 35	117 43 58	F. E. SLAUGHTER	4652 GLEN WAY, CLAREMONT
498	S	51-04	2800	34 15 30	118 11 45	L. TURNER	ANGELES CREST HIGHWAY AT DARK CANYON TRAIL
508C	S	51-39	1220	34 12 33	118 10 12	L. L. WINTERS	ARROYO SECO CANYON AT EL PRIETO CANYON, U.S.F.S. RANGER STATION
517	SA	77-18	4700	34 25 00	117 53 10	MRS. B. M. ANDERSEN	PALLETT CREEK, ANDERSEN RANCH (BURKHART RANCH)

TABLE VII

RAIN GAGE STATION LOCATION

SEASON 1949 - 50

STA. NO.	TYPE GAGE	QUAD INDEX	ELEV. U.S.G.S.	NORTH LAT. ° ' "	WEST LONG. ° ' "	OBSERVER	LOCATION
529	3"P S	S.B. CO.	720	34 00 35	117 41 14	HARRY ROBINSON	502 G STREET, CHINO, SAN BERNARDINO COUNTY
530	SP	33-11	650	34 10 55	118 53 15	J. E. TRAYLOR	CONEJO RANCH, NORTHEAST OF VENTURA BLVD., VENTURA COUNTY
542	SP	109-79	3050	34 42 15	118 25 40	L.A.W.D. EMPLOYEES	LOS ANGELES AQUEDUCT RESERVOIR, FAIRMONT
551	SP	V. CO.	10	34 08 38	119 12 38	U.S. LIGHTHOUSE EMPLOYEE	PORT HUENEME LIGHTHOUSE, VENTURA COUNTY
557	3"P	17-57	300	33 55 44	117 56 48	MR. BRAY	CITRUS ASSOCIATION, 305 SOUTH HIATT STREET, LA HABRA
565B	AP	3-91	11	33 47 16	118 12 08	LONG BEACH CITY EMPLOYEES	1607 SAN FRANCISCO STREET, LONG BEACH
566	SP	4-52	15	33 46 46	118 08 36	LONG BEACH CITY EMPLOYEES	10TH AND ROSWELL STREETS, LONG BEACH
571B	SP	4-53	15	33 45 41	118 08 30	LONG BEACH CITY EMPLOYEES	1ST AND PROSPECT STREETS, LONG BEACH
575B	SP	4-13	25	33 46 00	118 11 16	R. O. BALDWIN	SOUTHWEST CORNER OF ELM AND OCEAN AVENUE, LONG BEACH
577E	AP	27-55	417	34 02 43	118 14 59	U.S.W.B. EMPLOYEES	CENTRAL BUILDING, 6TH AND MAIN STREETS, LOS ANGELES
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
587	SP	45-22	2500	34 10 22	117 40 40	S.C.E. CO. EMPLOYEES	S.C. EDISON COMPANY POWER HOUSE #1, MOUTH OF SAN ANTONIO CANYON
588B	S	51-87	4450	34 13 35	118 06 40	J. W. WURMSER	MOUNT LOWE IN GRAND CANYON
593B	SP	68-69	675	34 24 05	118 44 10	MR. MC GILL	NEWHALL RANCH, NEAR SANTA CLARA RIVER, VENTURA COUNTY
594B	S	58-61	1241	34 22 58	118 32 02	R. WOODS	1300 NEWHALL AVENUE, NEWHALL
598	SP	107-01	3000	34 47 00	118 36 30	U.S.W.B. EMPLOYEES	WEST END OF LANCASTER ON BAILEY ROAD, NEENACH
610A	SP	40-73	980	34 10 04	118 07 21	MORRIS JONES	1250 NORTH HOLISTON STREET, PASADENA
610B	SP	40-55	864	34 08 55	118 08 36	H. J. SIEVERT	CITY HALL, PASADENA
611B	S	40-92	1070	34 10 37	118 06 22	W. ALLEN	1830 NORTH PEPPER DRIVE, 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 15	H. H. BURGESS	900 SOUTH PASADENA AVENUE, PASADENA
617	SP	32-23	870	34 04 03	117 46 23	J. E. ADAMSON	987 NORTH WEBER STREET, POMONA
618	3"P	V. CO.	980	34 16 43	118 43 18	J. M. FULLER	ONE MILE WEST OF SANTA SUSANA, VENTURA COUNTY
619	SP	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	40	33 43 15	118 16 17	U.S.W.B. EMPLOYEES	WAREHOUSE #1, LOS ANGELES OUTER HARBOR, SAN PEDRO
634B	SP	25-08	88	34 00 40	118 29 28	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	1750	34 15 00	118 17 00	F. P. STEVENS	10600 MOUNTAIN AVENUE, TUJUNGA
650B	SP	45-25	1850	34 08 20	117 40 25	MR. BAIRD	1455 WEST 21ST STREET, UPLAND
656A	SP	49-83	1265	34 16 03	118 19 11	M. OVERHOLSER	8625 WENTWORTH STREET, SUNLAND
660	SP	V. CO.	49	34 11 26	119 10 27	U.S.W.B. EMPLOYEES	OXNARD, VENTURA COUNTY
662	SP	9-27	71	33 49 28	118 10 14	LONG BEACH CITY EMPLOYEES	37TH AND GAVIOTA AVENUE, LONG BEACH
666	SP	9-23	50	33 51 37	118 10 43	LONG BEACH CITY EMPLOYEES	SOUTH AND LEMON STREETS, LONG BEACH
671B	SP	27-94	325	34 03 16	118 12 13	S.C.E. CO. EMPLOYEES	1006 NORTH BREED STREET, LOS ANGELES
672	SP	40-14	1000	34 09 00	118 10 58	S.C.E. CO. EMPLOYEES	7888 NORTH FIGUEROA STREET, EAGLE ROCK
673B	S	4-85	119	33 44 42	118 06 43	W. C. POE	SAN GABRIEL RIVER AT OCEAN BOULEVARD, SEAL BEACH, ORANGE COUNTY
676	4½"P	13-93	173	33 58 01	118 18 24	H. F. PARKINSON	1727 WEST 80TH STREET, LOS ANGELES
677C	SP	40-22	983	34 10 19	118 10 41	C. V. HOFFNER	1333 LIDA STREET, PASADENA
678	SP	40-32	1047	34 10 40	118 09 57	H. J. SIEVERT	SHELDON RESERVOIR, NEAR MOUNTAIN STREET AND ARROYO BLVD., PASADENA
679	SP	30-27	310	34 01 15	117 58 37	H. I. MORRIS	533 9TH AVENUE, PUENTE
680	SP	25-52	425	34 04 17	118 26 27	F. A. ARSENAULT	U.C.L.A. CAMPUS, DEPARTMENT OF METEOROLOGY, WESTWOOD
681A	SP	41-62	890	34 10 11	118 01 54	R. YOUNG	2219 NORTH SANTA ANITA AVENUE, ARCADIA
683	SP AP	51-58	2110	34 12 53	118 08 48	U.S.F.S. EMPLOYEES	SUNSET GUARD STATION BETWEEN MILLARD AND WEST RAVINE CANYONS
684	SP	41-65	518	34 08 47	118 01 58	U.S.F.S. EMPLOYEES	SANTA ANITA AVENUE AND HAVEN STREET, ARCADIA
689B	6"P	40-68	608	34 06 59	118 08 03	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
694B	SP	50-10	1500	34 17 25	118 17 17	L. CANNON	3.2 MILES NORTHEAST OF FOOTHILL BLVD. IN TUJUNGA CANYON
695	SP	50-60	1850	34 17 22	118 13 38	E. G. ULRICH	7 MILES ABOVE FOOTHILL BOULEVARD IN TUJUNGA CANYON
696	SP	41-21	1400	34 10 54	118 04 42	ROBERT CASAMAJOR	2036 PASADENA GLEN ROAD
703	SP	39-54	603	34 09 02	118 14 29	P. T. MC INTYRE	3515 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
706	S	15-92	155	33 58 42	118 06 08	C. L. NEWLIN	7417 ROSEMEAD BOULEVARD, RIVERA
715	SP	27-64	280	34 03 00	118 14 00	U.S.W.B. EMPLOYEES	P.O. TERMINAL BLDG., MACY AND DATE STREETS, LOS ANGELES
716	SP	27-64	295	34 03 10	118 14 13	P. T. MC INTYRE	410 DUCOMMUN STREET, LOS ANGELES
718	SP	33-63	870	34 10 16	118 50 35	E. ZIEHMER	VENTURA BOULEVARD AND ERBES ROAD, VENTURA COUNTY
719	S	42-54	785	34 09 01	117 56 47	G. L. NORTON	MADDOCKS RANCH, NORTH END OF LOS LOMAS AVENUE, DUARTE
720	SP	46-44	1200	34 15 36	118 39 36	J. E. SMITH	EAST END SIMI VALLEY, VENTURA COUNTY
722B	S	98-67	2740	34 37 46	118 13 51	A. E. STRATMAN	AVENUE N AND AVENUE 60, STREET W, DEL SUR
723	SP AP	37-46	875	34 08 13	118 27 25	L.A. CITY WATER DEPT. EMPL.	STONE CANYON SOUTH OF SHERMAN OAKS
724	SP AP	43-92	1775	34 10 37	117 48 29	U.S.F.S. EMPLOYEES	NEAR MOUTH OF MONROE CANYON, ABOVE BIG DALTON DAM
725	AP	36-90	722	34 11 17	118 30 20	C. OF E. EMPLOYEES	BIRMINGHAM HOSPITAL, NEAR VAN OWEN ST. AND BALBOA BLVD., VAN NUYS
726	S AP	51-16	2300	34 14 00	118 10 30	L. TURNER	ANGELES CREST GUARD STATION AT FALLS CANYON, ARROYO SECO
727	SP	52-76	4160	34 13 50	118 01 35	E. K. DE VORE	NEWCOMB PASS
728	SP	60-93	3000	34 21 40	118 18 28	U.S.F.S. EMPLOYEE	PACOIMA CANYON BETWEEN NOEL AND GOOSEBERRY CANYON
729	SP	61-10	4464	34 23 40	118 17 00	U.S.F.S. EMPLOYEE	SANTA CLARA DIVIDE AT JUNCTION OF INDIAN CANYON & SANTA CLARA TRAILS
730	SP	51-67	2800	34 13 30	118 07 50	U.S.F.S. EMPLOYEE	NEAR OOWN MINE, MILLARD CANYON, ARROYO SECO
731	SP	40-20	1100	34 11 50	118 10 10	U.S.F.S. EMPLOYEE	OAK GROVE PARK, PASADENA
732	S	53-77	4150	34 13 30	117 55 15	FLOOD CONTROL EMPLOYEES	BETWEEN ROBERTS CANYON & SAN GABRIEL - W. FORK, NEAR PINE MOUNTAIN
733	S	51-94	5300	34 15 12	118 06 21	U.S.F.S. EMPLOYEE	ON MT., DISAPPOINTMENT TRUCK TRAIL IN CLOUD BURST CANYON
734	SP	13-16	102	33 56 04	118 23 05	U.S.W.B. EMPLOYEE	MINES FIELD, 5901 WEST IMPERIAL HIGHWAY, LOS ANGELES
735	AP	35-40	915	34 11 42	118 39 27	U.S.E.D. EMPLOYEE	PLATT RANCH, NEAR BELL CANYON, WEST OF CANOGA PARK
737	SP	V. CO.	4000	34 35 07	119 19 02	FRANK FELT	WHEELER SPRINGS, VENTURA COUNTY
739	SP	V. CO.	335	34 20 00	119 08 00	PACKING HOUSE SUPERINTENDENT	SANTA PAULA, LIMONEIRA RANCH, VENTURA COUNTY
740B	AP	45-00	5200	34 12 00	117 41 45	U.S.F.S. EMPLOYEES	SAN DIMAS CANYON, FERN CANYON #2
741	AP	44-50	2750	34 11 45	117 44 28	U.S.F.S. EMPLOYEES	SAN DIMAS CANYON, UPPER EAST FORK
742B	SP	29-00	430	34 05 44	118 05 57	FIRE DEPARTMENT EMPLOYEES	DEL MAR NEAR MISSION STREET, SAN GABRIEL
746	SP	K. CO.	2620	35 03 00	118 10 00	MR. BACKUS	7 MILES SOUTH OF MOHAVE, BACKUS RANCH, KERN COUNTY
747	SP AP	106-75	4517	34 44 37	118 43 29	U.S.W.B. EMPLOYEES	SANDBERG AIRWAYS - TOP OF BALL MOUNTAIN
749	SP AP	38-50	699	34 12 00	118 20 56	U.S.W.B. EMPLOYEES	ROOF ADMINISTRATION BUILDING, BURBANK AIRPORT
750	SP AP	100-18	2536	34 36 59	118 05 02	U.S.W.B. EMPLOYEES	PALMDALE AIRPORT
751	SP	7-86	80	33 50 00	118 18 58	FIRE DEPARTMENT EMPLOYEES	1528 CRAVEN AVENUE, TORRANCE
752	SP	41-95	503	34 08 49	118 00 17	J. E. GEARY	428 WEST LEMON AVENUE, MONROVIA,
754B	S	58-33	1320	34 22 10	118 33 38	A. W. LYONS	IN LYONS CANYON, 2 MILES SOUTHWEST OF NEWHALL
755	AP	39-17	900	34 07 34	118 17 03	L.A. CITY EMPLOYEES	GRIFFITH PARK, LITTLE CANYON
756	AP	39-06	1200	34 07 51	118 17 50	L.A. CITY EMPLOYEES	GRIFFITH PARK, UPPER SPRING CANYON
757	AP	38-97	800	34 07 16	118 18 22	L.A. CITY EMPLOYEES	GRIFFITH PARK, FERN DELL
758	AP	39-06	625	34 08 02	118 17 27	L.A. CITY EMPLOYEES	GRIFFITH PARK, LOWER SPRING CANYON
759	AP	38-49	422	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 (VALLEY SIDE) NORTH
762	AP	37-47	925	34 07 28	118 27 17	L.A. CITY EMPLOYEES	UPPER STONE CANYON
763	SP	37-36	1300	34 06 58	118 27 45	L.A. CITY EMPLOYEES	STONE CANYON - FIRE ROAD #18
764	SP	37-59	890	34 06 34	118 27 01	L.A. CITY EMPLOYEES	STONE CANYON - 2302 RAIL LANE
765	SP	37-06	1350	34 07 52	118 29 27	L.A. CITY EMPLOYEES	SEPULVEDA AND MULHOLLAND BOULEVARDS
766	AP	36-97	1625	34 07 38	118 30 03	L.A. CITY EMPLOYEES	MANDEVILLE CANYON - FIRE ROAD #26
767	SP	36-98	1225	34 07 12	118 30 12	L.A. CITY EMPLOYEES	3351 MANDEVILLE CANYON ROAD #26
768	SP	36-87	1465	34 07 19	118 30 52	L.A. CITY EMPLOYEES	SULLIVAN CANYON - FIRE ROAD
769	AP	36-49	1980	34 06 32	118 33 31	L.A. CITY EMPLOYEES	SANTA YNEZ CANYON, TEMESCAL FIRE ROAD #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
772	AP	27-41	475	34 05 00	118 15 11	L.A. CITY EMPLOYEES	ECHO PARK AND LUCRETIA, LOS ANGELES
774	AP	27-52	423	34 04 28	118 14 48	L.A. CITY EMPLOYEES	BARLOW SANITARIUM, LOS ANGELES

TABLE VII

RAIN GAGE STATION LOCATION

SEASON 1949-50

STA. NO.	TYPE GAGE	QUAD INDEX	ELEV. U.S.G.S.	NORTH LAT. ° ' "	WEST LONG. ° ' "	OBSERVER	LOCATION
775	AP	27-55	249	34 02 23	118 14 46	L.A. CITY EMPLOYEES	8TH AND CROCKER, LOS ANGELES
776	SP	38-37	1025	34 07 18	118 21 46	L.A. CITY EMPLOYEES	NICHOLS CANYON NEAR MULHOLLAND HIGHWAY
777	SP	25-13	405	34 03 43	118 28 50	L.A. CITY EMPLOYEES	KENTER CANYON, WESTGATE HEIGHTS
778	SP	25-21	550	34 04 48	118 28 13	L.A. CITY EMPLOYEES	11805 BELLAGIO ROAD, SEPULVEDA CANYON
779	AP	39-05	625	34 08 50	118 17 50	L.A. CITY EMPLOYEES	GRIFFITH PARK, NORTH CANYON
780	AP	38-95	1025	34 08 33	118 18 08	L.A. CITY EMPLOYEES	GRIFFITH PARK, NORTH CANYON
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	1575	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 MILES ABOVE MOUTH OF COON CANYON IN ARROYO SECO
786	SP	51-37	2207	34 13 08	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 18 17	118 09 19	U.S.F.S. EMPLOYEES	2.6 MILES NORTHWEST OF CHENY TRAIL & LOMA ALTA DRIVE, ALTADENA
790	SP	V. CO.	470	34 23 09	118 55 01	CITRUS ASSOC. EMPLOYEES	FILLMORE CITRUS ASSOCIATION, VENTURA 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 02	119 03 08	AGRICULTURE OFFICE 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, MOUNT WILSON
794	SP	25-80	585	34 05 43	118 24 42	L.A.W.D. EMPLOYEES	LOWER FRANKLIN RESERVOIR
795	SP	41-18	710	34 08 48	118 05 15	P.W.D. EMPLOYEES	NEAR COLORADO STREET AND KINNELOA AVENUE, PASADENA
797	SP	47-12	1127	34 16 19	118 35 12	L.A.W.D. EMPLOYEES	NORTH END OF DE SOTO ST., NORTH OF CHATSWORTH
799	SP	26-39	460	34 00 25	118 21 47	L.A.W.D. EMPLOYEES	0.7 MILE SOUTH OF SANCHEZ DRIVE AND CLOVERDALE AVENUE, BALDWIN HILLS
800	SP	61-42	4626	34 22 31	118 15 22	U.S.F.S. EMPLOYEES	NORTH FORK OF PACOIMA CANYON
801	AP	61-10	4450	34 23 45	118 17 12	C. OF E. EMPLOYEES	NORTH OF SANTA CLARA DIVIDE ON MAGIC MOUNTAIN
1000	S	87-38	3263	34 30 48	118 03 37	L. A. BONES	HUNT CANYON 1.0 MILE SOUTH OF FORT TEJON ROAD
1001	S	52-55	3070	34 14 40	118 03 00	U.S.F.S. EMPLOYEE	WEST FORK GUARD STATION, SAN GABRIEL CANYON
1002	S	50-03	1605	34 16 03	118 17 50	NORMAN TANGUAY	7618 LE BERTHON STREET, TUJUNGA
1004	S	23-02	470	34 04 47	118 41 57	RALPH ZIELKE	AT JUNCTION OF MALIBU CREEK AND COLD CREEK
1005	S	84-48	2350	34 30 47	118 21 31	R. E. TAGGART	MINT CANYON AND SPADE SPRING CANYON NEAR THE OAKS
1006	SA	3-05	150	33 44 37	118 17 47	H. H. PETERSON	FIRST AND MEYLER STREETS, SAN PEDRO
1007	S	64-25	5900	34 20 40	117 58 41	C. L. EADS	CAMP VALCREST, ANGELES CREST HIGHWAY, N.E. OF CHILAO
1008-E	SA	7-63	65	33 52 07	118 19 55	E. F. LEWIS	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, 1.7 MILES ABOVE SOLEDAD CANYON ROAD
1010B	SA	44-93	2150	34 09 36	117 42 07	JERRY LYTTON	PALMER CANYON, 1.5 MILES NORTH NORTHEAST OF THOMPSON CREEK DAM
1011	S	2-54	1275	33 45 28	118 20 57	ROLAND SWAFFIELD	SAN PEDRO HILLS, CREST ROAD AND PORTUGUESE BEND ROAD
1012	S	69-96	1001	34 26 23	118 36 20	B. T. DUBY	CASTAIC JUNCTION, HIGHWAY 99 AND VENTURA HIGHWAY
1013B	SA	61-39	1650	34 18 00	118 16 06	L. TURNER	TUJUNGA CANYON ABOVE GOLD CANYON
1014	SA	15-90	159	33 59 26	118 06 34	R. H. WALKER	8020 WEST WASHINGTON BOULEVARD, RIVERA
1016	S	34-63	1000	34 09 43	118 44 09	S. W. SWANSON	PALO COMADO CANYON, 1.7 MI. N. OF VENTURA BLVD., AGOURA
1017	SA	75-83	3330	34 27 51	118 01 09	J. W. LUCE	LITTLE ROCK CREEK ABOVE SANTIAGO CREEK
1018	S	57-96	3515	34 20 19	118 36 34	FLOOD CONTROL EMPLOYEES	SANTA SUSANA MTS., TOWSLEY CANYON AND DEVIL'S CANYON DIVIDE
1019	S	57-34	2850	34 21 26	118 39 42	FLOOD CONTROL EMPLOYEES	SANTA SUSANA MTS., AT HEAD OF SALT CANYON
1020	S	45-05	1810	34 08 54	117 41 53	CAPTAIN FINN	PADUA HILLS PATROL STA., PADUA AVENUE & BALDY ROAD, CLAREMONT
1021	S	61-14	4500	34 21 03	118 16 53	FLOOD CONTROL EMPLOYEES	YERBA BUENA TRAIL BETWEEN S. FORK, PACOIMA CANYON & SLAUGHTER CANYON
1022	S	69-12	1710	34 28 45	118 41 06	J. B. WHARTON	HASLEY CANYON, 5 MILES ABOVE JUNCTION WITH CASTAIC CREEK
1023	S	36-26	1415	34 08 01	118 34 37	R. Y. MC BRIDE	GARRAPATA CN., 0.45 MILE S. MULHOLLAND HIGHWAY ON SANTA MARIA ROAD
1024	S	36-07	1090	34 07 27	118 35 28	H. J. NAATZ	TOPANGA MINERAL SPRINGS IN HORSESHOE CANYON
1025	S	22-86	160	34 02 02	118 42 43	PHILLIP DUNNE	24701 PACIFIC COAST HIGHWAY, MALIBU BEACH
1026	S	52-89	1825	34 12 09	118 01 03	ROBERT E. GICK	SANTA ANITA CANYON, 0.2 MILE ABOVE WINTER CREEK
1028	S	22-63	1300	34 03 37	118 44 23	EDWARD STEWART	3 MILES FROM PACIFIC OCEAN IN CORRAL CANYON
1029	SA	63-10	4950	34 23 27	118 04 50	JAMES NELSON	TIE CANYON DIVIDE
1030	S	65-65	7590	34 20 50	117 49 57	FLOOD CONTROL EMPLOYEES	BETWEEN MOUNT ISLIP AND LITTLE JIMMY SPRINGS
1031	S	64-65	7865	34 20 28	117 55 53	FLOOD CONTROL EMPLOYEES	0.5 MILE NORTHEAST OF WATERMAN MOUNTAIN
1032	S	23-03	750	34 03 40	118 41 45	ROAD CAMP EMPLOYEES	2 MILES FROM PACIFIC OCEAN IN MALIBU CANYON
1033	S	64-65	7800	34 20 35	117 55 58	L. O. NEWCOMB	TOP OF WATERMAN MOUNTAIN SKI LIFT
1034	SA	71-27	1350	34 25 14	118 28 18	EARL SCHMIDT	ONE MILE EAST NORTHEAST OF SOLEDAD CN. ROAD AND SIERRA HIGHWAY
1035	S	16-40	280	33 59 52	118 03 10	WALTER J. WOOD	1411 BEVERLY DRIVE, WHITTIER
1041B	8.81P SP	42-28	427	34 06 52	117 58 20	C. OF E. EMPLOYEES	SAN GABRIEL WASH 1.5 MILES SOUTH OF DUARTE AT SANTA FE DAM
X-3A	S	24-82	580	34 04 40	118 31 03	H. HARFORD	2100 RUSTIC CANYON ROAD, RUSTIC CANYON
X-6	SA	36-86	1240	34 08 15	118 30 57	H. MC CAULEY	0.4 MILE SOUTH OF ENCINO RESERVOIR

LEGEND REGARDING GAGE TYPE AND OWNERSHIP

S - - - - - - - - STANDARD 8" DIAMETER GAGE, OWNED BY FLOOD CONTROL DISTRICT.
A - - - - - - - - AUTOMATIC 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 SOUTH WESTERLY AND ENDING WITH THE MOST NORTH EASTERLY "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.

TABLE VII

RAIN GAGE STATION LOCATION

SEASON 1950-51

STA. NO.	TYPE GAGE	QUAD INDEX	ELEV. U.S.G.S.	NORTH LAT. ° ' "	WEST LONG. ° ' "	OBSERVER	LOCATION
28D	SP	48-32	965	34 16 22	118 27 50	SAN FERNANDO HTS. LEMON ASSOC.	15300 SAN FERNANDO MISSION BLVD., SAN FERNANDO
53C	SA	51-80	3675	34 17 59	118 06 42	C. R. SHINN	COLDBY'S COLDWATER CANYON, BIG TUJUNGA
69B	SA	42-21	1775	34 10 50	117 58 18	F. D. KELLY	SAWPIT CANYON, 1 MILE NORTHEAST OF SAWPIT DAM
121B	SP	112-79	2360	34 42 01	118 07 45	H. E. PEARSON	DIVISION STREET AND AVENUE I-8, LANCASTER
140	S AP	25-55	232	34 02 44	118 26 57	P. PESCARD	1620 SOUTH PURDU STREET, WEST LOS ANGELES CITY HALL
221C	S	59-99	1350	34 18 27	118 24 17	J. W. DUCKWORTH JR.	DUCKWORTH RANCH, 12500 NORTH MACLAY STREET, PACOIMA
223B-E	S	43-83	1575	34 10 13	117 48 30	H. P. KEISER	BELOW BIG DALTON DAM AT CARETAKER'S HOUSE
227C	S	40-99	480	34 06 31	118 06 10	A. E. BRUINGTON	419 NORTH DAROCA AVENUE, SAN GABRIEL
386C	S	21-71	1500	34 04 58	118 49 38	C. HIXON	DUME CANYON, 0.8 MILE SOUTHWEST OF BACKUS ROAD
449B	SA	41-03	875	34 10 06	118 05 33	D. WILSON	EATON DAM, ALTADENA
453B	S	40-21	1090	34 11 10	118 10 23	K. M. YORK	DEVIL'S GATE DAM, PASADENA
462B	S	25-92	185	34 02 54	118 24 06	WILLIAM STEWART	10000 PICO BOULEVARD, LOS ANGELES
470	SP A	63-10	4600	34 23 19	118 05 26	L. TURNER	NEAR TIE CANYON DIVIDE, MILL CREEK, TUJUNGA
517B	SA	77-18	4700	34 25 00	117 53 00	MRS. B. M. ANDERSEN	PALLETT CREEK, ANDERSEN RANCH (BURKHART RANCH)
732B	S	53-77	4160	34 13 30	117 55 15	FLOOD CONTROL EMPLOYEES	BETWEEN ROBERTS CANYON AND SAN GABRIEL-W. FORK, NEAR PINE MT.
1024B	S	36-07	1050	34 07 20	118 35 39	BOB DE WITT	GARRAPATA CREEK BELOW TOPANGA MINERAL SPRINGS
1036	S	60-56	1900	34 19 54	118 20 37	FRANK SHUBERT	5.4 MILES ABOVE FOOTHILL BLVD., W. OF LITTLE TUJUNGA AT SOLITO RANCH
1037	S	41-45	525	34 08 38	118 03 10	J. T. MC GAH	291 NORTH OLD RANCH ROAD, ARCADIA AT ARBORETUM
1038	S	63-62	6925	34 22 44	118 01 53	FLOOD CONTROL EMPLOYEES	PACIFICO MOUNTAIN
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	T. H. ACRES	4 MILES SOUTHWEST OF SANTA CLARA RIVER AND HIGHWAY 99
1042	SP	2-73	825	33 45 37	118 19 47	J. H. ROBERTSON	EASTFIELD DRIVE AND PALOS VERDES DRIVE EAST, ROLLING HILLS
1043	SP	2-66	950	33 44 12	118 19 57	J. H. ROBERTSON	CREST ROAD AND PALOS VERDES DRIVE EAST, ROLLING HILLS
1044	SP	2-46	150	33 44 20	118 21 36	J. H. ROBERTSON	YACHT HARBOR DRIVE AND PALOS VERDES DRIVE SOUTH, ROLLING HILLS
1045	SP	2-15	250	33 44 57	118 24 25	J. H. ROBERTSON	CREST ROAD AND PALOS VERDES DRIVE WEST, ROLLING HILLS
1046	S	41-70	2175	34 11 48	118 01 20	HATCH GRAHAM	CHANTRY FLAT GUARD STATION
X 7	S	89-54	2852	34 33 34	117 50 36	K. A. PETERSEN	AVENUE S AND 167TH STREET EAST, LLANO
X 8	S	101-38	2575	34 37 00	117 58 10	ROBERT ADAMS	AVENUE O AND 90TH STREET EAST, LANCASTER
X 9	SA	111-69	2351	34 42 05	118 14 09	R. J. COLES	AVENUE I AND 60TH STREET WEST, LANCASTER
X10	S	109-33	2820	34 45 40	118 27 55	L. M. BARNES	190TH STREET WEST, 1 MILE NORTH OF HIGHWAY 138, FAIRMONT
X11	8.81"	K. CO.	2450	35 00 00	117 40 00	V. C. HORTON	404 NORTH ROBERTS AVENUE, BORON, KERN COUNTY
X12	8.81"	90-81	2910	34 34 50	117 43 10	G. K. FITCH	AVENUE Q8 AND 230TH STREET EAST, WILSONA
X13	8.81"	115-12	2380	34 46 44	117 52 50	J. B. DICKENSEN	AVENUE D AND 140TH STREET EAST, LANCASTER
X14	S	124-88	2364	34 49 15	118 13 08	G. BORUNDA	AVENUE A AND 50TH STREET WEST, ROSAMOND
X15	S	116-16	3075	34 44 06	117 46 58	M. R. CARD	AVENUE G AND 195TH STREET EAST, HI VISTA

NOTE: RAIN GAGE STATIONS FOR SEASON 1950-51 WERE IDENTICAL WITH SEASON 1949-50 EXCEPT AS SHOWN ON ABOVE TABLE FOR SEASON 1950-51.

L E G E N D: SAME AS 1949-50 TABLE.

TABLE VIII

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	94	94	77	79	93	85	77	84
74	152	152	149	150	148	150	149	150
75	119	119	81	86	119	100	82	97
76	165	165	122	128	165	143	123	140
77	34	27	27	25	33	17	17	23
78	135	122	136	123	129	63	63	99
79	72	56	72	68	66	37	37	54
80	123	107	124	122	120	120	131	123
81	78	66	77	73	76	58	61	68
82	61	57	66	66	63	77	79	70
1882-83	69	61	74	68	70	54	45	60
84	232	216	236	242	230	259	283	251
85	56	55	56	56	57	50	55	54
86	145	140	128	139	151	167	194	159
87	83	83	78	85	83	106	123	98
88	101	81	121	116	104	106	109	107
89	124	122	127	130	125	132	141	131
90	164	198	191	201	144	222	230	203
91	91	77	103	98	98	91	97	94
92	76	61	80	77	70	70	71	73
1892-93	155	136	151	146	132	124	122	136
94	48	38	55	50	46	46	48	48
95	104	110	120	119	101	90	59	94
96	59	51	53	53	55	50	106	66
97	121	111	107	107	109	101	57	96
98	49	41	56	45	42	23	34	39
99	44	27	43	31	37	28	33	34
00	60	51	55	56	58	47	82	61
01	103	104	113	101	100	109	95	103
02	70	57	63	62	71	53	60	61
1902-03	138	118	118	115	127	108	116	118
04	56	51	55	54	58	45	38	49
05	121	132	125	119	125	135	129	127
06	139	118	124	126	122	110	118	122
07	127	143	138	137	148	164	156	147
08	86	90	91	92	89	95	96	92
09	118	106	122	111	113	93	81	101
10	83	74	88	86	83	105	107	94
11	110	118	123	133	117	148	118	126
12	59	85	74	78	71	80	68	73
1912-13	74	86	74	78	73	86	75	78
14	143	161	160	160	146	151	142	150
15	132	129	118	110	132	155	134	132
16	137	126	137	138	131	115	107	124
17	93	92	93	90	93	80	66	83
18	93	111	89	103	111	106	95	100
19	69	69	67	70	78	67	72	70
20	74	79	90	93	76	81	77	81
21	96	106	97	97	97	90	83	92
22	122	138	134	172	119	157	127	142
1922-23	71	71	75	83	70	83	72	76
24	46	48	53	53	44	45	58	51
25	54	60	63	63	53	54	52	56
26	89	118	107	114	95	112	102	105
27	108	125	122	106	104	109	110	110
28	81	69	73	61	62	60	62	66
29	75	72	76	67	74	68	62	69
30	72	76	76	74	73	75	90	78
31	80	91	79	76	92	100	111	92
32	109	122	110	115	109	125	142	122
1932-33	73	76	67	65	74	79	73	73
34	75	94	97	73	91	63	43	68
35	131	122	122	121	118	130	149	131
36	76	78	76	70	87	71	48	68
37	142	143	143	140	149	144	136	141
38	141	148	144	155	152	147	143	147
39	122	118	99	101	114	120	136	118
40	92	96	78	73	99	76	76	81
41	219	235	199	183	227	225	224	215
42	82	77	69	70	80	81	88	80
1942-43	118	148	144	154	140	149	160	148
44	126	140	113	137	136	157	221	158
45	90	88	88	93	87	84	95	90
46	80	81	80	91	82	99	88	88
47	91	86	89	98	84	93	91	92
48	46	45	53	51	48	50	58	51
49	59	50	60	57	53	54	60	57
50	68	67	73	63	75	60	59	64
51	53	53	51	41	54	37	31	42
75 YEAR NORMAL RAINFALL	14.52	17.14	19.33	28.16	19.74	16.31	7.50	16.64
1949 - 50 RAINFALL	9.87	11.48	14.11	17.74	14.81	9.79	4.43	10.65
1950 - 51 RAINFALL	7.75	9.06	10.61	11.20	10.70	5.81	3.04	7.33
AREA IN SQUARE MILES	597	272	303	748	224	855	953	3952

* INDICATES WEIGHTED AVERAGE INDEX OF AREAS.

LEGEND
Flood Control Standard Gages.
Flood Control Automatic Gages.
Standard Gages (other than F.C. Dist.).
Automatic Gages (other than F.C. Dist.).
210B Capital Letters (A,B,etc) Following a Station Number Denote Successive Locations of a Gage in a Locality.
258b Lower Case Letters (a,b,etc) Following a Station Number Denote Several Gages Operated By a Single Observer
"E" At a Station Denotes An Evaporation Pan
SCALE
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
LOCATION OF ACTIVE RAINGAGES AND ISOHYETAL MAP
SEASON 1949-50
APPROVED BY
CHIEF ENGINEER
SUBMITTED BY
CHIEF HYDRAULIC DIVISION
ASSOCIATED BY
ASST. CHIEF ENGINEER
DATE
2-H97
COMPILED BY R.H.
CHECKED BY H.W.
DRAWN BY H.W.
MAP I

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
LOCATION OF
ACTIVE RAINGAGES
AND
ISOHYETAL MAP
SEASON 1950-51
APPROVED BY
CHIEF ENGINEER
SUBMITTED BY
CHIEF HYDRAULIC DIVISION
ASST. CHIEF ENGINEER
DATE
2-H98
COMPILED BY P.H.
CHECKED BY H.W.
DRAWN BY H.W.
MAP II
LEGEND
Flood Control Standard Gages.
Flood Control Automatic Gages.
Standard Gages (other than F.C. Dist.)
Automatic Gages (other than F.C. Dist.)
210B Capital Letters (A,B,etc.) Following a Station Number Denote Successive Locations of a Gage in a Locality.
256b Lower Case Letters (a,b,etc.) Following a Station Number Denote Several Gages Operated By a Single Observer
"E" At a Station Denotes An Evaporation Pan
SCALE
5 Miles
PACIFIC OCEAN
ANTELOPE VALLEY
MOHAVE DESERT
SAN GABRIEL MOUNTAINS
SANTA MONICA MOUNTAINS
SIERRA PELONA
PORTAL RIDGE
LOS ANGELES
PASADENA
HOLLYWOOD
LONG BEACH
Santa Monica
Lancaster
Palmdale
Gorman
Neenach
Sandbergs
Saugus
Newhall
San Fernando
Northridge
Reseda
Van Nuys
North Hollywood
Glendale
Burbank
Alhambra
El Monte
Whittier
Pomona
Claremont
Inglewood
El Segundo
Redondo Beach
Torrance
Compton
Gardena
San Pedro
Venice
Culver City
BALDWIN HILLS
Little Rock
Llano
Vincent
Acton
Puente
Norwalk
Downey
Bellflower
Artesia
Huntington Park
Covina
Azusa
Monrovia
Arcadia
Sierra Madre
SANTA FE DAM
SEPULVEDA DAM
HANSEN DAM
MORRIS DAM
SAN GABRIEL DAM No 1
SAN GABRIEL DAM No 2
PUDDINGSTONE DAM
ROSAMOND LAKE
118°00'
117°48'
118°12'
118°24'
118°36'
118°48'
119°00'
34°48'
34°36'
34°24'
34°12'
34°00'
33°48'

EVAPORATION RECORDS

EVAPORATION

FOREWORD

This report contains monthly and seasonal data for all active station porting to the District during 1949-50 and 1950-51 seasons. Past records inactive stations are available in the District's files. Past records of stations are available in the District's files and were also published in District's 1945-46 and 1946-47 Biennial Report on Hydrologic Data.

SUMMARY OF SEASONAL EVAPORATION

The following tabulation indicates the maximum and minimum rates of e ration in inches at District stations for the seasons 1949-50 and 1950-51.

	1949-50	1950-51
Maximum Seasonal Amt.- Acton-Escondido Canyon	84.98	
Maximum Seasonal Amt.- Big Tujunga Dam		95.36
Maximum Monthly Amt. - Acton-Escondido Canyon	14.34 in Aug.	13.72 in
Minimum Seasonal Amt.- Puente Hills	28.31	28.24
Minimum Monthly Amt. - Opid's (Camp Hi Hill)	0.00*	0.30**

The minimum evaporation at any location in the District is largely in enced by the rainfall and sometimes by freezing weather.

During some winter months a number of stations indicate water as froz partially frozen, thus giving an incomplete total evaporation as a result.

Table IX presents monthly and seasonal evaporation data for all activ tions during the seasons 1949-50 and 1950-51.

Daily evaporation data at most stations are available in the District files.

Evaporation pans are normally read at 5:00 p.m. at all District stati to be consistent with the rainfall readings.

LOCATION AND NUMBER OF STATIONS

The District received records each month from 22 evaporation stations 1949-50 and 21 evaporation stations in 1950-51, of which the District main 18. Thirteen and twelve of these stations were at the larger reservoirs d the 1949-50 and 1950-51 seasons, respectively; the remaining stations were tributed throughout the District.

*WATER SURFACE OF PAN FROZEN FOR ENTIRE MONTH OF JANUARY.

**WATER SURFACE OF PAN FROZEN FOR 24 DAYS IN JANUARY.

San Gabriel Dams No. 1 and No. 2 and Encino Reservoir are equipped with both land and lake pans.

LENGTH OF RECORD

The first pan was installed at Santa Anita Dam in March 1929. By October 1932, the District was maintaining 26 evaporation stations throughout the County. The number of stations has varied slightly since 1932 due to lack of cooperative observers, insufficient readings, and for various other reasons.

The District has 19 stations with records from 16 to 22 years in length.

EQUIPMENT

The land pan in use by the District is 24 inches in diameter and 36 inches in depth and is sunk in the ground 33 inches, with the water surface normally at ground level. A one-quarter inch brass rod embedded in a block of concrete to hold it in a vertical position is placed in the center of the tank. This rod has a sharp point at the upper end and serves as a reference point for water levels.

Starting October 1, 1946, all District land pans were equipped with evaporation reducer screens; this tends to reduce the pan evaporation to the equivalent of lake evaporation, thus eliminating the use of conversion factors. The reducer screen is made of one-quarter inch hardware cloth and rests horizontally one and one-half inches below the top of the pan and one and one-half inches above the water surface.

The lake pans in use at San Gabriel Dam No. 1 and No. 2 are 30 inches square and 18 inches deep with a 6-inch wave baffle to prevent water splashing in. The pan is floated on suitable rigging and is submerged to make the reservoir surface and water level in the pan and the water temperatures practically identical. San Gabriel Dam No. 1 is also equipped with an additional lake pan 36 inches square by 18 inches deep, for comparative purposes.

The Los Angeles City Bureau of Water Works and Supply maintains the following stations and furnishes the District with records:

Location	Type of Pan
Encino Reservoir	F.C. District Land Pan
Encino Reservoir	U.S.W.B. Type A Land Pan
Encino Reservoir	30-inch Square Lake Pan
Van Nuys Warehouse	U.S.W.B. Type A Land Pan
Lower San Fernando Reservoir	U.S.W.B. Type A Land Pan
Silver Lake Reservoir	U.S.W.B. Type A Land Pan on raft.

The Metropolitan Water District maintains a six-foot diameter land pan at Morris Dam from which the District receives records.

The Baldwin Park Experimental Station, which is cooperatively maintained by several agencies including the District, is equipped with the following instruments: An eight-inch standard rain gage, maximum and minimum thermometers, hygrothermograph, anemometer, four-foot diameter evaporation pan of the United States Weather Bureau type, six-foot diameter evaporation pan, two-foot diameter evaporation pan, and a District two-foot diameter screened evaporation pan.

Four stations are equipped with thermographs. Most stations include maximum and minimum thermometers as standard equipment.

TABLE IX

EVAPORATION RECORDS IN INCHES

SEASONS 1949-50, 1950-51

1949-50

STA. NO.	STATION	TYPE GAGE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JU
23	CHATSWORTH RESERVOIR	L-24S	5.52	4.21	3.06	1.78	1.56	3.35	4.78	5.48	6.60	8.
32C	NEWHALL	L-24S	4.50	2.81	1.76	1.51	1.88	3.43	4.76	5.52	6.82	8.
33A'	PACOIMA DAM	L-24S	7.31	7.76	5.69	3.44	3.59	5.18	5.40	5.24	6.63	7.
46D	BIG TUJUNGA DAM NO. 1	L-24S	7.35	3.42	4.02	2.57	3.82	5.58	6.44	7.40	8.92	11.
57B	OPID'S (CAMP HI HILL)	L-24S	3.57	1.66	0.20#	FROZEN	0.46#	2.12	3.84	5.44	7.38	8.
63B	BIG SANTA ANITA DAM	L-24S	4.86	6.09	4.00	2.24	2.42	3.11	3.29	2.80	4.12	5.
89	SAN DIMAS DAM	L-24S	4.42	3.44	1.96	1.10	1.50	2.75	3.42	4.28	6.16	7.
96	PUDDINGSTONE DAM	L-24S	4.36	3.97	2.78	1.62	1.42	2.14	3.01	3.58	5.22	6.
223B	BIG DALTON DAM	L-24S	4.22	3.62	1.80	0.86	1.51	2.76	2.71	3.74	5.88	7.
261B	ACTON-ESCONDIDO CANYON	L-24S	5.70	4.45	3.19	2.04	2.50	4.24	5.76*	8.53*	10.82	13.
265C	PUENTE HILLS - WEISEL RANCH	L-24S	2.40	1.94	1.06	0.97	0.43	1.50	2.13	2.65	3.50	4.
292	ENCINO RESERVOIR - F.C.	L-24S	6.09	4.76	3.04	1.86	2.16	4.44	5.24	5.67	6.76	8.
292	" " - U.S.W.B.	L-A4B	7.14	4.95	3.59	2.69	2.76	5.89	6.32	6.82	7.88	9.
292	" " - LAKE	F-36	6.33	2.98	3.63	1.81	2.10	4.39	5.20	6.28	7.36	8.
293	LOWER SAN FERNANDO RESERVOIR	L-A4B	7.64	8.03	5.60	3.48	3.49	5.55	6.61	7.18	7.82	9.
321	PINE CANYON PATROL STATION	L-24S	6.44	4.10	2.44	1.60	2.36	4.48	5.20	7.22	8.77	10.
334	SAN GABRIEL DAM #2	L-24S	6.08	4.60	2.31	1.31	2.30	3.74	4.46	5.96	8.10	9.
334	SAN GABRIEL DAM #2	F-30	N.R.	N.R.	INC.	1.14	2.24	3.60	4.66	5.62	7.68	8.
336	SILVER LAKE RESERVOIR	L-A4B	4.96	3.36	3.60	1.73	2.55	3.23	4.76	5.16	5.53	6.
347	BALDWIN PARK EXPERIMENTAL STA.-U.S.W.B.	L-A4B	4.49	3.44	2.41	1.78	1.99	4.02	4.97	5.65	7.17	8.
347	" " " "	L-72	3.78	2.99	1.83	1.18	1.60	3.06	3.84	4.17	7.34	7.
347	" " " " - F.C.	L-24S	4.27	2.33	1.43	.94	1.28	2.99	3.88	4.68	6.16	7.
347	" " " "	L-24	4.62	3.28	2.00	1.46	1.84	3.73	4.22	5.27	7.06	7.
390B	MORRIS DAM	L-72	5.09	3.95	2.40	1.37	1.98	3.32	4.04	4.94	7.01	8.
425B	SAN GABRIEL DAM #1	L-24S	6.22	5.42	3.38	1.74	2.64	3.94	4.66	5.29	7.14	8.
425B	" " " "	F-30	6.63	4.71	3.03	1.82	2.62	4.01	4.68	5.44	7.48	9.
425B	" " " "	L-24	8.32	7.64	4.53	2.46	3.69	5.42	6.25	6.70	8.91	10.
425B	" " " "	F-36	7.05	4.96	3.22	2.02	2.88	4.34	5.10	5.64	7.88	9.
441	PALMDALE - CO. ROAD MAINTENANCE YARD	L-24S	5.50	3.18	2.26	1.88	2.69	4.80	4.77	6.94	8.72	11.
468	PICKENS DEBRIS BASIN	L-24S	4.43	3.48	2.19	1.34	1.42	3.18	3.56	4.30	5.59	6.
1008	LA FRESA - SO. CALIF. EDISON COMPANY	L-24S	3.60	2.52	1.65	1.35	1.07	2.02	3.24	4.12	4.48	5.

1950-51

STA.												
23	CHATSWORTH RESERVOIR	L-24S	4.64	4.57	3.35	2.26	2.15	5.30	3.20	5.45	5.65	7.
32C	NEWHALL	L-24S	4.31	3.35	2.26	1.66	2.02	3.60	3.78	5.41**	6.69	8.
33A'	PACOIMA DAM	L-24S	7.49	8.06	6.51	4.36	4.02	6.22	3.73	5.86	6.01	7.
46D	BIG TUJUNGA DAM NO. 1	L-24S	8.84	6.80	5.78	3.80	4.00	6.36	5.19	8.06	9.50	12.
57B	OPID'S (CAMP HI HILL)	L-24S	3.26	1.50	1.02	0.30#	0.33#	1.63#	2.37	5.14	6.88	8.
63B	BIG SANTA ANITA DAM	L-24S	5.52	4.66	4.71	2.92	3.02	4.24	2.24	3.27	3.66	5.
89	SAN DIMAS DAM	L-24S	5.14	3.26	2.51	1.65	1.95	3.56	2.82	5.45	5.88	7.
96	PUDDINGSTONE DAM	L-24S	5.36	3.42	3.12	2.52	2.22	3.37	2.33	3.88	4.76	6.
223B	BIG DALTON DAM	L-24S	4.93	3.04	2.22	1.40	1.86	3.07	2.58	3.85	4.88	7.
261B	ACTON - ESCONDIDO CANYON	L-24S	8.90	7.74	5.92	4.02	4.32	7.12	6.18	10.02	10.78	13.
265C	PUENTE HILLS - WEISEL RANCH	L-24S	2.18	1.33	0.89	0.75	0.92	2.38	1.58	3.07	3.41	4.
292	ENCIND RESERVOIR - F.C.	L-24S	6.05	4.18	3.22	2.25	2.55	4.45	4.43	6.72	6.53	8.
292	" " U.S.W.B.	L-A4B	6.60	4.53	4.11	2.91	3.03	6.03	5.35	8.11	7.60	10.
292	" " LAKE	F-36	5.45	3.66	3.13	2.33	2.79	4.76	4.96	6.98	6.80	8.
293	LOWER SAN FERNANDO RESERVOIR	L-A4B	6.47	6.82	6.32	4.45	2.58	7.26	4.27	8.04	7.51	10.
321	PINE CANYON PATROL STATION	L-24S	5.69	3.85	3.02	2.23	2.32	4.78	5.60	8.16	9.40	12.
334	SAN GABRIEL DAM #2	L-24S	6.29	3.79	2.86	1.91	2.26	4.12	3.94	6.16	7.95	10.
334	SAN GABRIEL DAM #2	F-30	N.R.	N.R.	N.R.	N.R.	N.R.	INC.	3.92	6.50	8.11	9.
347	BALDWIN PARK EXPERIMENTAL STA.-U.S.W.B.	L-A4B	4.93	2.57	2.20	2.16	2.74	4.32	3.94	6.22	6.17	7.
347	" " " "	L-72	3.68	2.18	1.76	1.87	2.16	3.67	3.50	5.18	5.70*	5.
347	" " " " - F.C.	L-24S	4.43	3.00	1.83	1.64	2.14	3.31	2.93	5.20	5.36	6.
347	" " " "	L-24	4.90	2.76	2.16	2.32	2.39	3.82	3.62	6.35	6.36	7.
390B	MORRIS DAM	L-72	5.48	3.79	3.11	1.97	2.16	4.06	3.41	5.84	6.50	8.
425B	SAN GABRIEL DAM #1	L-24S	6.78	4.82	3.90	2.50	2.87	4.48	3.34	6.06	6.62	9.
425B	" " " "	F-30	7.31	4.87	3.86	2.56	3.10	5.04	INC.	N.R.	N.R.	N.
425B	" " " "	L-24	9.05	6.40	5.17	3.44	3.97	6.04	4.42	7.88	8.56	11.
425B	" " " "	F-36	7.60	5.00	3.88	2.63	3.16	5.18	INC.	N.R.	N.R.	N.
441	PALMDALE - CO. ROAD MAINTENANCE YARD	L-24S	6.56	4.50	3.40	2.48	3.92	6.44	8.06	10.56	11.22	12.
468	PICKENS DEBRIS BASIN	L-24S	4.53	3.43	2.57	1.86	2.12	3.64	2.86	4.71	5.02	7.
1008	LA FRESA - SO. CALIF. EDISON COMPANY	L-24S	3.12	2.12	1.81	1.54	1.95	2.96	2.64	4.69	4.24	5.

LEGEND

L-24	LAND PAN 24" IN DIAMETER
L-24S	LAND PAN 24" IN DIAMETER - SCREENED
L-A4B	LAND PAN 48" IN DIAMETER, U.S.W.B. TYPE A
L-72	LAND PAN 72" IN DIAMETER
F-30	FLOATING PAN 30" SQUARE
F-36	FLOATING PAN 36" SQUARE, U.S.G.S. TYPE
*	ESTIMATED
**	PARTLY ESTIMATED
#	RECORDS INCOMPLETE, PARTLY FROZEN
INC.	INCOMPLETE RECORD
N.R.	NO RECORD

DAYLIGHT SAVING TIME - CLOCK ADVANCED ONE HOUR STARTING APRIL 29, 1

RUNOFF RECORDS

RUNOFF

FOREWORD

This is the eighteenth 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 24 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

Runoff during the 1949-50 and 1950-51 seasons was again below normal. The 1950-51 seasons being the seventh consecutive deficient season.

The yield from the industrialized and subdivided, relative impervious valley areas was considerably greater than that from representative mountainous areas as follows:

Season	Santa Monica Mountains % of Ave.		San Gabriel Mountains % of Ave.		Built Up Valley Area % of Ave.	
	Runoff	Precip.	Runoff	Precip.	Runoff	Precip.
1949-50	9	75	24	63	96	70
1950-51	2	54	9	41	76	52

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 State Division of Water Resources. Reference to these records, if available, can be found under "Station Descriptions" herein published.

This great difference between mountain and valley area runoff, while largely due to the impervious developed valley areas, also reflects to some extent to the ever increasing industrial waste.

The San Gabriel River at the canyon mouth produced 10,490[2/] acre feet, or 9 per cent of the 56-year average. This amount was second only to the low of 9,630 acre feet produced during the season 1898-99.

Peak flows were of minor nature with no storms of importance occurring during either season.

EXTENT AND METHOD OF COLLECTING AND PRESENTING DATA

I. Drainage Areas and Stations

The Flood Control District operated 87 water stage recording stations on streams during the 1949-50 and 1950-51 seasons, of which 79 were stream flow stations, and the records published, the remaining 8 are hydraulic study stations only and the records are not computed or published. These stations were distributed throughout the County as follows:

Drainage Area	No. of Stations
Los Angeles River	30
San Gabriel River	23
Rio Hondo	17
Ballona Creek	7
Santa Monica Mountains - Coastal	3
Santa Clara River	5
San Antonio Creek	1
Antelope Valley	1
Total	87

The locations of all stations are shown on Map III, page 51.

II. Types of Channels

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

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

2/ Combined runoff of the river and Azusa Canal adjusted for storage change and evaporation at the three upstream reservoirs.

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 pratiicability 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/]	43	Continuous
Stevens (Type A)	12	Continuous
Stevens (Type F)	1	Weekly
Stevens (Type L)	9	Weekly or Daily
Rational (Horizontal)	4	Weekly
Friez	1	Continuous
Total	86	

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 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 1,950 measurements taken by the District during 1949-50 and 1,755 taken during during 1950-51 at 62 recorder 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.

1/ The H.C.F. Recorder was designed and developed in the District's Hydraulic Division Instrument Section to furnish a medium cost, accurate and dependable continuous water stage recorder.

(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. 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. United States Geological Survey, Water Resources Branch Records

Included in this report, as additional information, are the records of the thirteen permanent stream flow recording stations owned and operated in this District by the United States Geological Survey, Water Resources Branch. The Flood Control District cooperates with the U.S.G.S. by taking stream flow measurements at these stations. During the seasons covered by this report, 258 such measurements were taken. The U.S.G.S., in turn, publishes the records of 23 District stations in their Water Supply Papers for Pacific Slope Basins in California.

VI. Staff Gage Station Measurements

Records of 970 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 29 years is included on page 286.

VII. Miscellaneous Station Measurements

In various drainage areas throughout the County, 1,253 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 three streams. These are tabulated by streams.

IX. Summary of Seasonal Discharge

Table XI, page 298, presents a complete 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 occurence.

X. Limitations

Occasionally, incomplete recorder records occur at certain stations. Flows for periods of incomplete record were estimated by various methods. In

general, estimates were made by comparison with other flow records and rainfall or by interpolation between known or measure values.

In the tabulations of mean daily runoff, incomplete totals were avoided by estimating any missing or unreliable records. It was felt that estimating missing current records was 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 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 hydrographers:

District	Name
1	G. H. Middleton, assisted by G. R. Spangler and C. E. Crowell[1/]
2	F. E. Stunden, assisted by F. A. Lanphear[1/] and L. R. Dal Corso[1/].
2A	R. A. Waddicor, assisted by J. F. Payne and L. F. Van Buren[1/].
3	T. E. Moon, assisted by J. S. Miranda [1/] and R. Gutierrez[1/].
4	E. S. Bonadiman, assisted by A. W. Johnson[1/], and J. Holleron.
5	C. E. Bollinger, assisted by C. J. Reinhard and W. L. Thomas.
6	S. E. Blakely and J. H. Lang, assisted by J. A. Ocampo[1/], and E. N. Spencer.
7 & 8	L. J. Turner, assisted by J. H. Lang, A. P. Kasimoff, E. N. Spencer, M. V. Pardieck[1/], and B. M. Rogers[1/].
9 & 10	J. W. Luce, assisted by F. E. Wright[1/] and H. S. Blake[1/].

The field work and compilation of the records was under the immediate supervision of R. E. Lindsay. Preparation of the report for 1949-50 and 1950-51 was

1/ Operation and Maintenance Division Personnel.

under the immediate supervision of R. E. Lindsay assisted by G. P. Brown and J. H. Lang.

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

COOPERATION

Certain records included in this report were obtained through the cooperation of the San Gabriel River Water Committee, the U.S.G.S. Water Resources Branch and the Corps of Engineers, Department of the Army, Los Angeles Office. Acknowledgment is given with each record.

LEGEND

Stations are designated by numbers to which prefixes and suffices 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 E – indicates stations owned and operated by the Corps of Engineers, Department of the Army.

Prefix U – indicates stations owned and operated by the U.S.G.S, Water Resources Branch.

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

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

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

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 c.f.s. or less.

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

ACCURACY

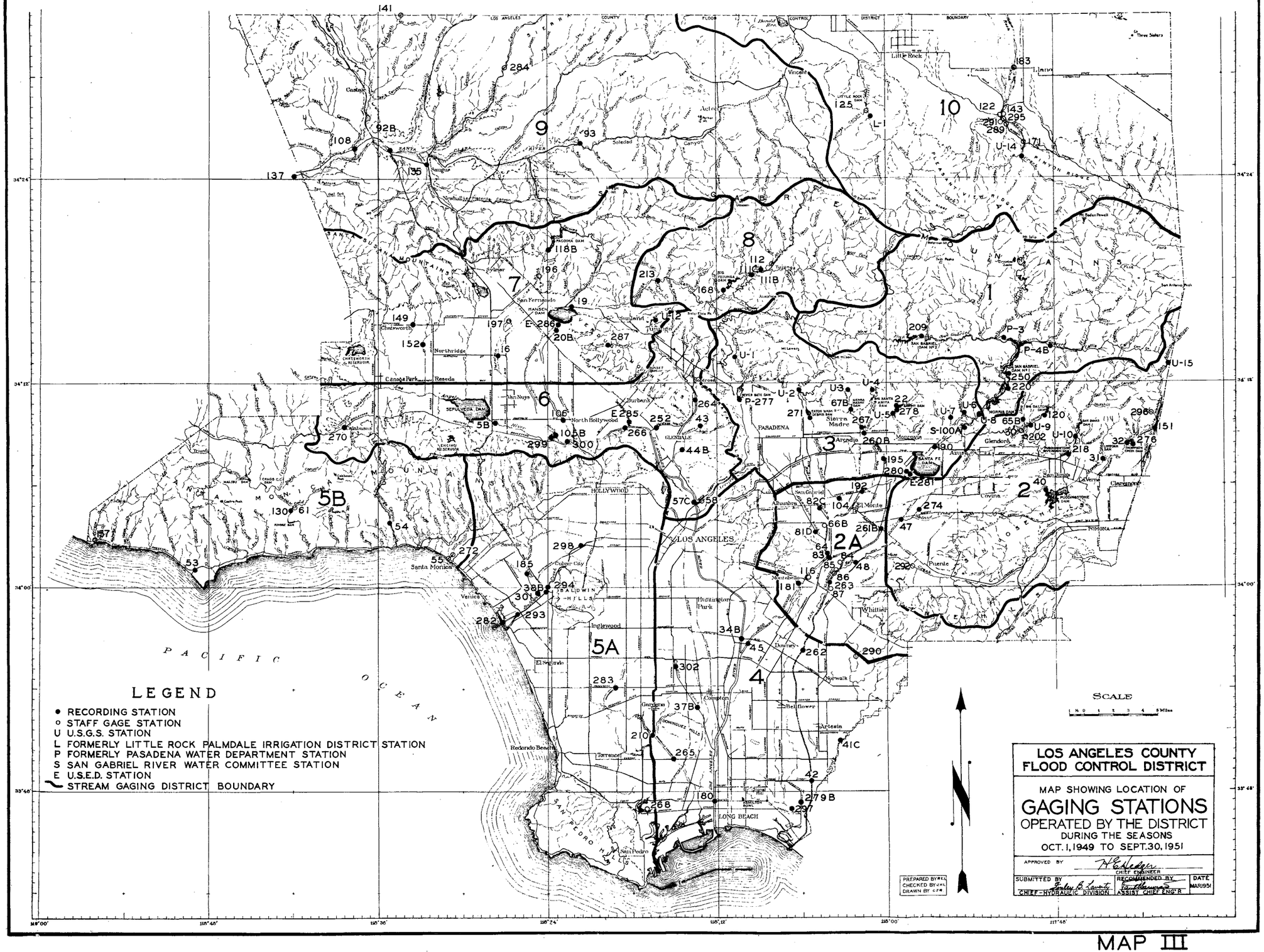
The legend used in plotting the hydrographs has the following significance:

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

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

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

The Mean Daily Runoff Tabulations are qualified under "Accuracy" in the Station Description. "Excellent" indicates that error in the record is probably less than 5%. "Good" indicates a possible error greater than 5% but probably less than 10%. "Fair" indicates a possible error greater than 10% but probably less than 20%. "Poor" indicates a possible error greater than 20%.


LEGEND
• RECORDING STATION
o STAFF GAGE STATION
U U.S.G.S. STATION
L FORMERLY LITTLE ROCK PALMDALE IRRIGATION DISTRICT STATION
P FORMERLY PASADENA WATER DEPARTMENT STATION
S SAN GABRIEL RIVER WATER COMMITTEE STATION
E U.S.E.D. STATION
STREAM GAGING DISTRICT BOUNDARY
SCALE
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
MAP SHOWING LOCATION OF
GAGING STATIONS
OPERATED BY THE DISTRICT
DURING THE SEASONS
OCT. 1, 1949 TO SEPT. 30, 1951
APPROVED BY
CHIEF ENGINEER
SUBMITTED BY
CHIEF-HYDRAULIC DIVISION
RECOMMENDED BY
ASSIST CHIEF ENG'R
DATE MAR 1951
PREPARED BY
CHECKED BY
DRAWN BY
PACIFIC OCEAN
LOS ANGELES
HOLLYWOOD
LONG BEACH
PASADENA
Glendale
Burbank
San Fernando
Van Nuys
Northridge
Canoga Park
Reseda
Chatsworth
Santa Monica
Venice
Culver City
Inglewood
Redondo Beach
Torrance
El Segundo
Gardena
Compton
Norwalk
Bellflower
Artesia
Downey
Whittier
Pomona
Covina
Claremont
Azusa
Monrovia
Arcadia
Sierra Madre
Altadena
San Gabriel
Alhambra
El Monte
Montebello
Huntington Park
Santa Fe Springs
San Dimas
La Verne
Puente
Little Rock
Vincent
Acton
Soledad Canyon
Saugus
Newhall
Castaic
Three Sisters
SANTA SUSANA MOUNTAINS
SAN GABRIEL MOUNTAINS
SAN JOSE HILLS
PUENTE HILLS
SAN PEDRO HILLS
BALDWIN HILLS
PALOS VERDES HILLS
DOMINGUEZ HILLS
SAN GABRIEL RIVER
SANTA CLARA RIVER
LOS ANGELES RIVER
PACOIMA DAM
SEPULVEDA DAM
HANSEN DAM
BIG TUJUNGA DAM
SAN GABRIEL DAM NO. 1
SAN GABRIEL DAM NO. 2
MORRIS DAM
SANTA ANITA DAM
RAYMOND DAM
EATON WASH DIVERSION DAM
LITTLE ROCK DAM
SANTA FE DAM
PUDDINGSTONE DAM
WALNUT CREEK DIVERSION DAM
SAN DIMAS DAM
CHATSWORTH RESERVOIR
LOS ANGELES RESERVOIR
ENCINO RESERVOIR
HOLLYWOOD RESERVOIR
CRAGG'S CO. DAM
MALIBU DAM
ROWLAND DAM
WORKS BATE DAM
10
9
8
7
6
5B
5A
4
3
2
2A
1
141
284
92B
108
137
135
93
118B
196
213
168
111B
112
19
149
197
E-286
20B
287
152
16
U-12
U-1
U-2
P-277
U-3
U-4
67B
271
U-5
278
U-6
U-7
U-8
65B
U-9
U-10
120
298
151
276
218
31
S-100A
190
195
280
E-281
192
104
274
47
66B
261B
48
263
87
290
262
45
348
U-15
P-3
P-4B
209
250
220
22
264
43
44B
252
E-285
266
105B
299
300
106
5B
270
130
61
157
54
53
55
272
298
185
38B
294
301
293
282
283
302
37B
210
265
42
41C
279B
268
180
237
57C
95B
82C
81D
64
83
84
85
116
86
181
87
40
2
2A
1
3
4
5A
5B
10
9
8
7
6
118°00'
117°48'
34°24'
34°12'
34°00'
33°48'

MAP III

STATION F81D-R

ALHAMBRA WASH near Klingerman Street

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

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

DRAINAGE AREA: 14.5 SQUARE MILES.

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

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

RECORDER: 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, 1949 TO SEPTEMBER 30, 1951.

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, 1951.

EXTREMES OF DISCHARGE:
1949-50
MAXIMUM 1630. SECOND-FEET, FEBRUARY 6.
MINIMUM 0.1 SECOND-FOOT ON MAY 10.
1950-51
MAXIMUM 1620. SECOND-FEET, JANUARY 11.
MINIMUM 0.1 SECOND-FOOT ON NOVEMBER 9.
1929-51 (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 OR NEAR Klingerman Street (Short Street) DURING THE YEAR ENDING SEPTEMBER 30, 19 50

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
68	6-7	0742 / 0748	BONADIMAN	25.0	4.83	3.85		18.6		.5	7		FC19

DISCHARGE MEASUREMENTS OF ALHAMBRA WASH

AT OR NEAR Klingerman Street (SHORT STREET) DURING THE YEAR ENDING SEPTEMBER 30, 19 51

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
69	10-27	0909 / 0918	BONADIMAN	22.0	7.00	2.29		16.		.6	7		FC19

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F81D

Daily discharge, in second-feet of ALHAMBRA WASH near Klingerman Street, for the year ending September 30, 1

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept
1	0.6	0.2	0.4	0.9	0.9	0.6	0.9	0.4	0.6	0.4	1.6	1
2	0.6	0.2	0.4	0.9	0.9	0.6	0.4	1.1	d 1.5	0.4	1.4	1
3	0.6	0.2	0.4	1.1	0.6	0.6	0.4	1.4	1.0	0.4	1.6	1
4	0.9	0.2	0.4	1.4	0.6	0.6	0.9	0.9	1.0	0.4	1.6	1
5	0.9	0.2	0.4	1.1	1.1	0.4	0.6	0.4	1.1	0.4	1.4	1
6	0.9	0.2	0.4	0.9	167	0.9	0.4	0.4	1.2	0.4	1.1	2
7	0.9	0.3	2.4	0.6	1.4	0.9	0.9	0.4	d 1.3	0.4	1.1	2
8	0.6	0.4	53	120	0.6	1.6	53	0.3	1.4	0.4	0.6	2
9	0.4	25	2.6	4.6	0.9	1.8	31	0.3	1.4	1.8	0.9	1
10	0.4	171	0.9	1.6	38	1.4	1.1	0.3	0.6	1.1	0.9	0
11	0.4	1.6	0.4	83	2.1	1.1	0.4	0.3	0.6	0.6	1.1	1
12	0.4	0.6	0.6	25	1.6	0.9	0.6	0.3	0.9	0.9	1.4	1
13	0.4	0.4	0.9	2.8	1.8	1.1	0.6	0.4	0.9	0.9	1.4	0
14	0.4	0.6	0.6	7.3	1.1	1.1	1.1	0.9	1.1	0.6	1.6	0
15	0.4	0.6	0.6	4.6	1.1	1.1	0.4	0.6	1.1	0.9	1.1	0
16	0.6	0.6	0.9	2.1	0.9	1.1	0.3	0.9	1.4	0.9	1.4	0
17	0.6	0.4	1.1	1.6	0.9	1.1	0.6	0.4	1.4	1.1	1.6	43
18	0.6	0.4	254	1.6	0.9	0.9	0.6	0.3	0.9	0.6	1.6	1
19	0.4	0.4	35.0	1.6	1.1	0.6	0.6	0.3	0.9	0.6	1.4	1
20	0.3	0.4	2.3	1.4	1.4	0.9	0.9	0.4	0.9	0.9	1.4	0
21	0.3	1.6	1.6	1.4	1.1	0.9	0.6	0.3	0.9	1.1	1.6	0
22	0.3	0.9	1.4	1.1	0.6	1.1	1.1	0.6	0.9	0.9	1.6	0
23	0.3	0.6	1.1	0.9	0.9	1.6	0.6	0.6	0.6	1.1	1.6	1
24	0.3	0.4	1.1	0.6	0.9	88	0.4	0.4	0.9	0.9	1.4	0
25	0.3	0.4	0.9	0.4	1.1	10.8	0.4	0.4	0.6	1.1	1.4	1
26	0.2	0.4	0.9	0.4	0.9	0.9	0.4	0.4	0.6	1.6	1.4	1
27	0.2	0.4	0.6	0.4	1.1	1.1	0.6	0.6	0.6	1.6	1.4	1
28	0.2	0.4	0.6	20	0.6	0.6	0.4	0.9	0.9	1.4	1.4	1
29	0.2	0.6	0.6	20		0.4	0.4	0.9	0.4	1.4	1.1	1
30	0.2	0.4	0.9	2.3		0.6	0.4	0.9	0.4	1.6	0.9	0
31	0.2		0.9	1.4		0.6		0.6		1.6	1.6	
	14.0	210.0	368.3	313.0	232.1	125.9	101.0	17.3	28.0	28.4	41.6	79
MEAN	0.45	7.00	11.8	10.1	8.29	4.06	3.37	0.56	0.93	0.92	1.34	2
ACRE-FEET	28.	417.	731.	621.	460.	250.	200.	34.	56.	56.	83.	158

Remarks:

YEAR OR PERIOD MEAN 4
ACRE-FEET 3090

7HDT4M F. C. Dist. 52 9-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

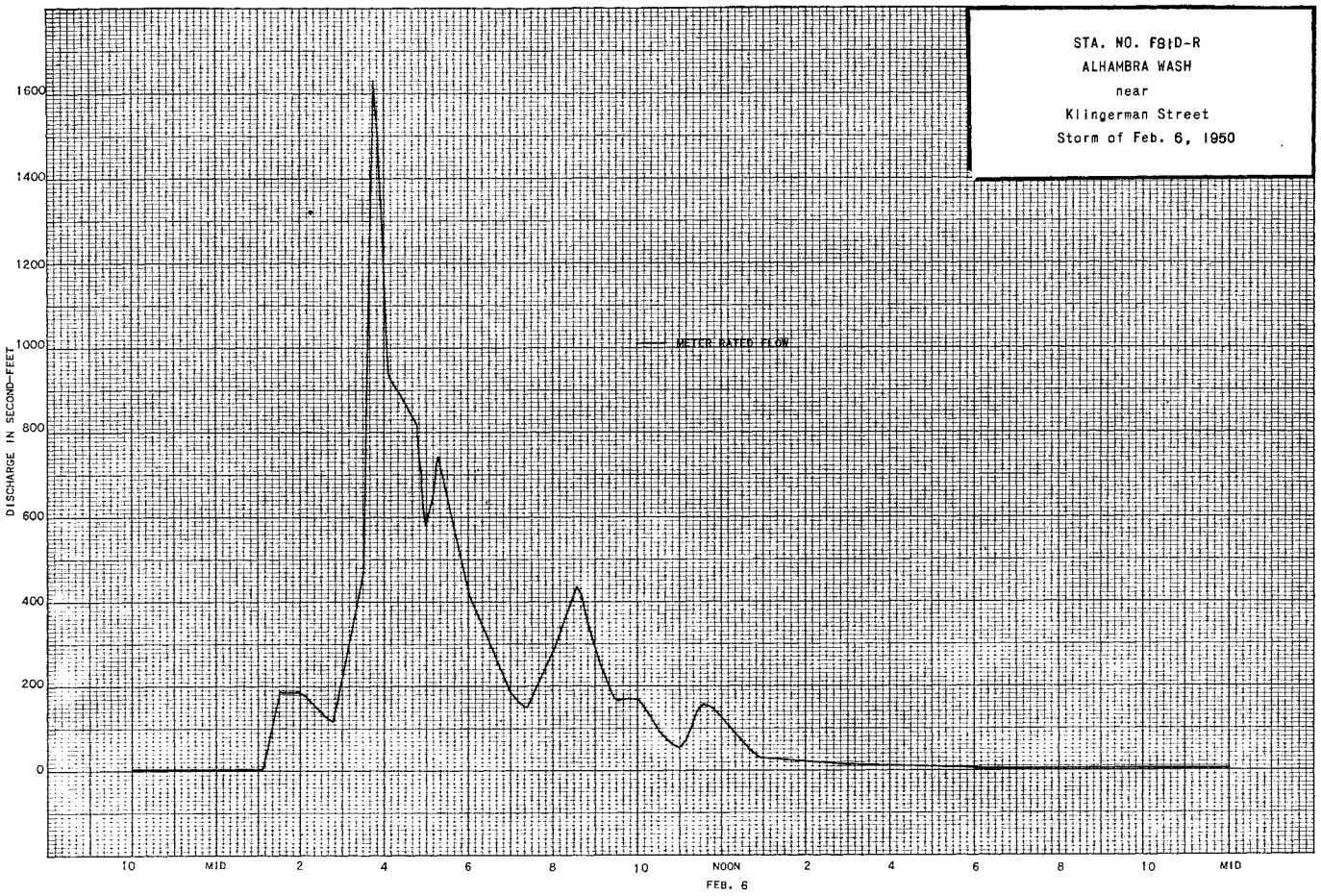
Sta. No. F81D-

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.9	0.6	0.4	0.2	2.8	76	0.9	0.9	0.6	0.6	1.6	1.4
2	1.1	0.4	0.4	0.4	1.1	2.6	0.9	0.6	0.6	0.6	1.8	1.1
3	0.9	0.6	0.4	0.9	0.9	1.4	12.2	0.4	0.6	0.9	1.8	1.1
4	0.9	0.4	0.4	7.2	0.9	1.4	3.9	0.6	0.6	0.9	1.6	1.4
5	0.9	0.4	0.4	1.4	0.9	1.6	4.6	0.9	0.6	0.9	1.6	2.8
6	1.4	0.6	0.4	1.1	0.9	4.8	1.6	0.9	0.6	0.9	1.4	2.8
7	1.4	0.6	0.4	0.6	1.1	2.8	1.1	0.6	0.6	0.6	1.4	2.1
8	1.4	0.9	0.4	0.9	1.6	1.6	0.6	0.6	0.4	0.6	1.6	1.1
9	1.6	0.9	0.4	0.9	1.1	1.6	0.4	0.6	0.4	0.6	1.8	0.9
10	1.6	0.9	0.4	3.9	1.1	1.8	0.6	0.6	0.4	0.9	1.6	0.6
11	1.8	0.4	0.4	7.8	0.9	1.1	0.6	1.1	0.4	0.9	1.6	0.6
12	1.4	0.3	0.4	1.1	1.4	0.6	0.6	1.1	0.4	1.1	1.6	0.6
13	1.1	22	0.4	0.4	0.9	0.4	0.4	0.9	0.4	1.1	1.6	0.6
14	1.4	8.0	0.6	0.4	1.1	0.4	0.4	24	0.4	1.4	2.3	0.6
15	1.4	1.1	0.6	0.6	0.6	0.4	0.6	2.1	0.6	1.4	2.6	0.6
16	1.8	1.1	0.6	22	0.9	0.4	1.1	1.1	0.6	1.1	3.4	0.9
17	1.6	1.4	0.4	1.1	0.9	0.4	1.4	0.9	0.6	1.1	2.8	0.9
18	1.6	21	0.6	7.6	0.6	0.4	1.4	0.6	0.9	1.1	2.3	0.9
19	1.4	61	0.9	4.3	0.6	0.4	1.6	0.6	0.9	1.6	1.6	0.9
20	1.6	4.6	0.6	1.1	0.9	0.4	1.4	0.4	0.6	1.8	1.6	1.1
21	1.8	1.6	0.4	1.1	1.1	0.4	1.1	0.4	0.4	1.8	1.6	0.9
22	1.6	1.1	0.6	1.1	2.1	0.6	0.9	0.4	0.6	1.6	1.8	0.9
23	1.8	0.6	0.4	1.1	30	0.9	0.6	0.6	0.6	1.6	2.1	0.9
24	1.6	0.6	0.4	1.1	5.8	0.6	0.6	0.6	0.6	1.8	1.8	1.1
25	1.6	0.9	0.4	1.1	1.1	0.6	62	0.6	0.6	2.1	1.6	1.1
26	2.2	0.4	0.9	4.6	26	0.6	4.0	0.6	0.6	2.3	1.4	1.1
27	12.8	0.3	0.9	1.6	27	0.9	1.6	0.6	0.6	2.1	1.4	1.1
28	0.4	0.3	0.9	1.6	3.4	1.1	78	0.6	0.6	1.6	1.4	1.1
29	0.3	0.4	0.9	106		1.4	9.3	0.6	0.6	1.6	2.8	1.1
30	0.4	0.4	0.6	3.4		1.4	2.6	0.6	0.6	1.6	2.3	1.1
31	0.4		0.4	2.8		1.1		0.6		1.6	1.6	
	52.1	133.8	16.3	333.4	117.7	110.1	232.1	45.7	17.0	39.8	57.4	33.4
MEAN	1.68	4.46	0.53	10.8	4.20	3.55	7.74	1.47	0.57	1.28	1.85	1.1
ACRE-FEET	103.	265.	32.	661.	233.	218.	460.	91.	34.	79.	114.	66.

Remarks:

YEAR OR PERIOD MEAN 3.2
ACRE-FEET 2360.


STA. NO. F81D-R
ALHAMBRA WASH
near
Klingerman Street
Storm of Feb. 6, 1950
METER RATED FLOW
DISCHARGE IN SECOND-FEET
1600
1400
1200
1000
800
600
400
200
0
10
MID
2
4
6
8
10
NOON
2
4
6
8
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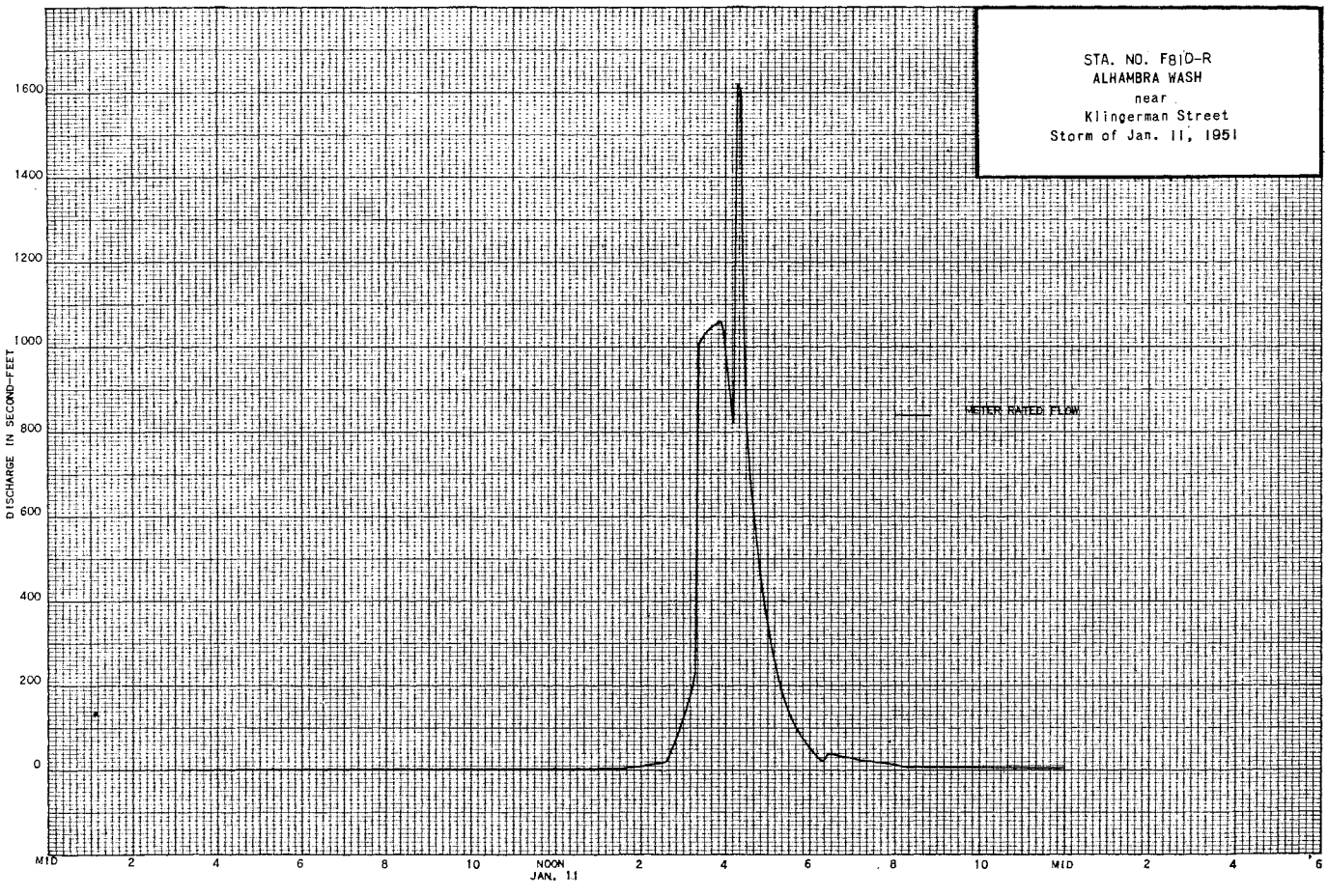
MID
FEB. 6


STA. NO. F81D-R
ALHAMBRA WASH
near
Klingerman Street
Storm of Jan. 11, 1951
METER RATED FLOW
DISCHARGE IN SECOND-FEET
1600
1400
1200
1000
800
600
400
200
0
MID
2
4
6
8
10
NOON
2
4
6
8
10
MID
2
4
6
JAN. 11

STATION F152-R
ALISO WASH at Nordhoff Street

LOCATION: WATER STAGE RECORDER, LAT. 34°14'08", LONG. 118°32'52" ON THE CENTER PIER DOWNSTREAM SIDE OF THE HIGHWAY BRIDGE AT NORDHOFF STREET ABOUT ONE MILE NORTHWEST OF NORTHRIDGE AND 3600 FEET WEST OF RESEDA AVENUE. ELEVATION OF ZERO GAGE HEIGHT, 816.12 FEET.

DRAINAGE AREA: 7.61 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - TRAPEZOIDAL SECTION IN CLAY AND SAND; 45 FOOT BOTTOM WIDTH WITH PIPE AND WIRE AT TOE OF SLOPE. CONTROL - CHANNEL FORMS CONTROL. A STABILIZER 153 FEET DOWNSTREAM MAY ACT AS A CONTROL DURING HIGH FLOWS.

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

RECORDER: INSTALLED NOVEMBER 3, 1939, OVER AN 18-INCH CORRUGATED IRON PIPE STILLING WELL. REMOVED FOR BRIDGE REMOVAL AND CHANNEL CONSTRUCTION JULY 15, 1947 AND REINSTALLED AUGUST 31, 1948. AN H.C.F. RECORDER WAS IN SERVICE FROM OCTOBER 1, 1949 TO SEPTEMBER 30, 1951.

REGULATION AND/OR DIVERSIONS: NONE.

RECORDS AVAILABLE: NOVEMBER 3, 1939 TO SEPTEMBER 30, 1951.

EXTREMES OF DISCHARGE:

1949-50
MAXIMUM 77. SECOND-FEET, FEBRUARY 6.
MINIMUM NO FLOW MOST OF YEAR.

1950-51
MAXIMUM 23 SECOND-FEET, JANUARY 29.
MINIMUM NO FLOW MOST OF YEAR.

1939-1951
MAXIMUM DISCHARGE NOT DETERMINED, FEBRUARY 20, 1941.
MAXIMUM 1,750 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 50

NO.	DATE	BEGIN / END	MADE 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.
99	11-9	1428 / 1434	KASIMOFF	1.9	0.35	0.80	1.66	0.28		.5	4	0	FC47
100	12-18	1708 / 1711	PARDIECK - BROWN	20.0	8.02	1.60	2.30	12.8		.6	6	-.02	FC33
101	12-18	1819 / 1825	TURNER - RILEY	THREE	CHANNELS		2.14	5.7		.6	7		FC43
102	1-8	2020 / 2028	"	"	"		2.18	9.0		.6	10	-.03	"
103	1-11	1114 / 1120	"	8.0	2.82	1.13	2.12	3.2		.6	7	+.03	"
104	1-11	1307 / 1310	"	13.0	2.90	5.24	2.27	15.2		.5	5		"
105	1-11	1405 / 1411	"	15.0	4.48	4.31	2.34	19.3		.5	7		"
106	1-11	1536 / 1545	"	16.0	5.22	4.87	2.39	25.4		.5	10		"
107	2-6	0505 / 0515	"	17.7	10.8	6.13	2.60	66.2		.6	10	-.05	"
108	2-6	0638 / 0647	"	16.0	4.26	4.30	2.33	18.3		.6	9	-.02	"
109	2-6	1406 / 1415	"	TWO	CHANNELS		2.12	2.3		.6	8	0	"
110	6-8	1333	TURNER				0.02	0.01		CIPOLLETTI		WEIR	
111	9-7	1255	SPENCER				0.02	0.01		"		"	
112	9-14	1315	"				0.04	0.03		"		"	

DISCHARGE MEASUREMENTS OF ALISO WASH

AT NEAR Nordhoff Street DURING THE YEAR ENDING SEPTEMBER 30, 19 51

NO.	DATE	BEGIN / END	MADE 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.
113	10-13	0931	LUCE				0.08	0.08		CIPOLLETTI		WEIR	
114	1-10	1545 / 1548	TURNER	1.5	0.68	1.47	2.15	1.0		.6	5	0	FC43
115	1-29	1049 / 1055	"	5.0	1.13	1.68	2.20	1.9		.6	7	0	"
116	1-29	1400 / 1406	TURNER-OCAMPO	21.0	13.1	1.32	2.38	17.3		.6	8	-03	"
117	3-1	1113 / 1122	TURNER-TRUMBO	23.0	7.13	1.00	2.27	7.1		.6	9	-04	"
118	4-4	1129 / 1135	TURNER	TWO	CHANNELS		2.34	0.27		.5	5	0	"
119	4-11	1555 / 1558	"	1.3	0.23	1.13	2.32	0.26		.5	5	0	"
120	4-28	2101 / 2107	"	21.0	12.6	0.87	2.68	11.0		SURF.	8	+02	"
121	7-13	1030	"					0.50	V	NOTCH		WEIR	"
122	7-19	0730	"				0.25	0.08	"	"	"		"
123	7-25	0820	"				0.29	0.12	"	"	"		
124	8-29	1245	TURNER-HOLLERON				0.18	0.04	"	"	"		
125	9-12	1031	HOLLERON				0.18	0.04	"	"	"		
126	9-20	1100	TURNER				0.21	0.05	"	"	"		

F. C. Dist. Form 53 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F152

Daily discharge, in second-feet of ALISO WASH at Nordhoff Street, for the year ending September 30, 1950

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0		0	0.1	0.1	0.1
2	0	0	+	0	0	0	0	0	+	+	0.3	0.2
3	0	0	0	0	0	0	0	0	0.1	0	0.2	0.1
4	+	0	0	0	0	0	0	+	+	0	0.2	+
5		+	0	0	0	0	+	+	+	0	+	+
6		0	+	0	11	0	+	+	+	0	0	0.1
7		0	0.2	0	+	0	+	0	0.1	0	+	0.1
8		0.1	0.7	3.3	0	0	0.2	+	0.1	+	+	0
9	+	0.2	0	0.1	0	0	0.1	0	0.1	+	0.1	0.1
10	0	0.2	0	0	1.0	0	0	+	+	0	0.1	0
11	+	0	0	5.4	0.1	0	0	+	+	0	+	0
12	+	0	0	1.6	0	0	+	+	0	+	0	0
13	+	+	0	0.1	0	0	0	+	0.1	0	0	0
14	0	0	0	+	0	0	0.1	+	0.1	0	0	+
15	0	0	0	0	0	0	0.1	0	0.1	0	0	+
16	0	0	0	0	0	0	0	+	+	0	0	+
17	0	0	0	0	0	0	0	+	0	0	0	0.1
18	0	0	6.6	0	0	0	0	0.1	0	0	+	0
19	0	+	0	0	0	0	0	0.1	0	0	0.1	+
20	0	0	0	0	0	0	0	0.2	0.2	+	0.2	0
21	0	+	0	0	0	0	0	+	0.2	0.1	0.2	0
22	0	+	0	0	0	0	0	0.1	+	0.1	0.1	0
23	0	+	0	0	0	0	0	0.2	+	0	0	0
24	0	0	0	0	0	+	0	0.2	0.1	0	0.1	0
25	+	0	0	0	0	+	0	+	0.1	+	+	0
26		+	0	0	0	0	0	0.1	+	0.1	0.1	0
27		0	0	0	0	0	0	0.1	+	0.2	0	0
28		0	0	0	0	0	0	0.1	0.1	0.2	+	0
29		0	0	0		0	0	0.1	0.1	0.1	0.3	0
30	+	0	0	0		0	+	0.1	0.2	0.2	0.5	
31	0		0	0		0		+		0.1	0.1	
	+	0.5	7.5	10.5	12.1	+	0.5	1.4	1.7	1.2	2.7	0.8
MEAN	+	.017	0.24	0.34	0.43	+	.017	.045	.057	.039	0.09	.026
ACRE-FEET	+	1.0	15.	21.	24.	+	1.0	2.8	3.4	2.4	5.4	1.6

Remarks: + = 0.05 c.f.s. or less

YEAR OR PERIOD MEAN 0.11
ACRE-FEET 78.

Telform F. C. Dist. 52 9-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

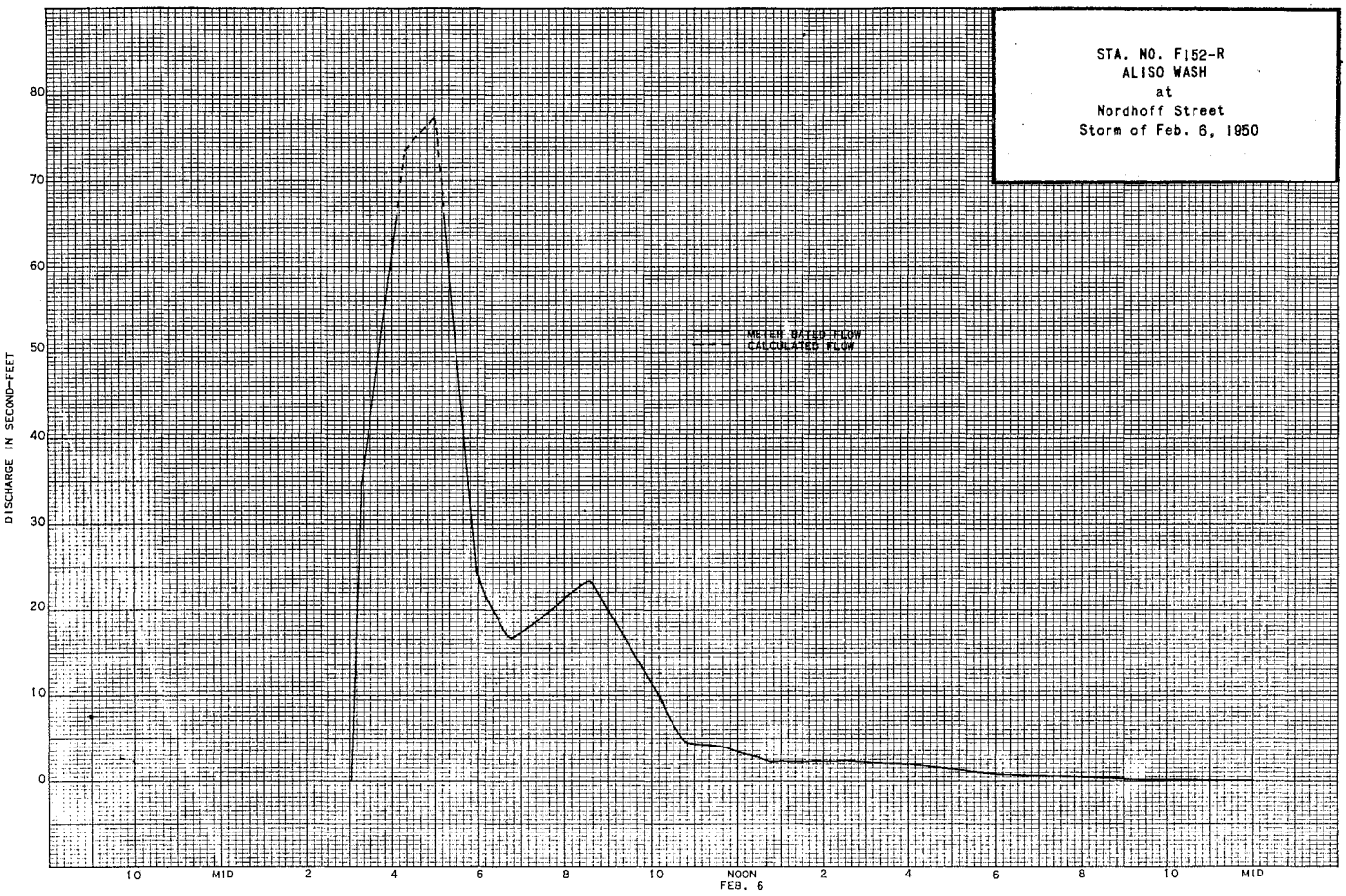
Sta. No. F152B

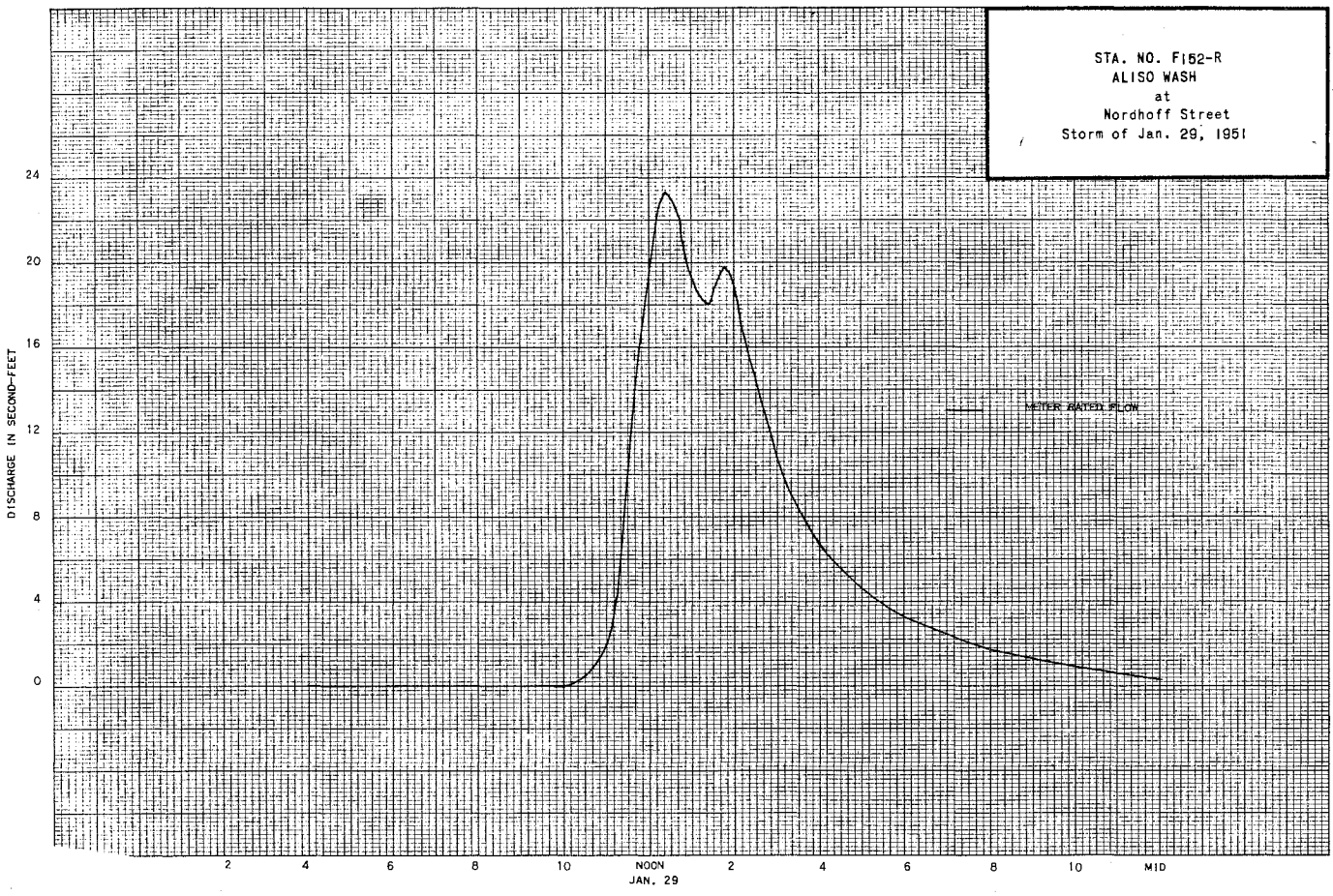
Daily discharge, in second-feet of ALISO WASH at Nordhoff Street, for the year ending September 30, 1951

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	0	0	0	0	2.4	0.1	0	+	0	0	0
2	+	0	0	0	0	+	0.1	0	+	0	0	0
3	0	0	0	0	0	0	+	0	+	0	0	0
4	0	0	0	0	0	0	0.1	+	+	0	0	0
5	+	0	0	0	0	+	+	0	0.2	0	0	0
6	0	0	0	0	0	+	+	0	0.1	0	0	0
7	0	0	0	0	0	+	+	0	0.2	+	0	0
8	0	0	0	+	0	+	+	0	0.2	+	0	+
9	0	0	0	0.2	0	+	+	0	0.2	+	0	0
10	0.1	0	a 0	0.5	0	+	0.1	0	0.4	+	0.1	0
11	+	0	a 0	1.2	0	+	+	0	0.3	+	+	0
12	+	0	a 0	+	0	+	+	0	1.0	+	0.2	+
13	+	+	a 0	+	0	+	+	0	1.5	0.2	+	+
14	+	0	0	0	0	+	+	+	0.3	0.1	0.1	0.1
15	+	0	0	0	0	0.1	+	0	0.1	0.1	0.2	+
16	0	0	0	+	0	+	+	+		0.1	+	+
17	0	0	0	0	0	+	0	+	0.1	0.1	0.2	0
18	0	+	0	0.2	0	0.2	0	+	0.2	+	+	+
19	+	+	0	0.5	0	0.2	+	0	+	+	+	0.1
20	0	0	0	0	0	+	+	0	+	0.1	0.1	0.1
21	+	0	+	0	0.1	0.1	+	+	0.2	0.1	0.1	0.2
22	0.1	0	+	0	0.2	0.1	+	+	0.2	0.1	+	0.2
23	+	0	+	0	0.2	+	+	+	0.2	+	+	0.2
24	+	0	0	0	0.1	+	+	+	+	0.1	0.1	0.2
25	+	0	+	0	0.1	+	0.1	0.1	0	0.1	+	+
26	0	0	+	0	0.1	0	+	+	0	+	0	+
27	+	0	0	0	0.2	+	0	+	0	0	0	+
28	0	0	0	0	0.1	+	1.2	+	0	0	0	+
29	0	0	0	a 3.9	+	0	+	0	+	0	+	+
30	0	0	0	a +		+	0	0	+	0	+	+
31	0		0	0		+		+		+		
	0.2			6.5	1.1	3.1	1.7	0.1	5.4	1.1	1.1	1.1
MEAN	.006	+	+	0.21	.039	0.10	.057	.003	0.18	.035	.035	.037
ACRE-FEET	0.4	+	+	13.	2.2	6.1	3.4	0.2	11.	2.2	2.2	2.2

Remarks: + = 0.05 c.f.s. or less.

YEAR OR PERIOD MEAN .059
ACRE-FEET 43.


STA. NO. F152-R
ALISO WASH
at
Nordhoff Street
Storm of Feb. 6, 1950
METER RATED FLOW
CALCULATED FLOW
DISCHARGE IN SECOND-FEET
0
10
20
30
40
50
60
70
80
10
MID
2
4
6
8
10
NOON
FEB. 6
2
4
6
8
10
MID


STA. NO. F152-R
ALISO WASH
at
Nordhoff Street
Storm of Jan. 29, 1951
METER RATED FLOW
DISCHARGE IN SECOND-FEET
0
4
8
12
16
20
24
2
4
6
8
10
NOON
JAN. 29
2
4
6
8
10
MID

STATION U1-R

ARROYO SECO above Mouth of Canyon

LOCATION: WATER-STAGE RECORDER AND BROAD-CRESTED WEIR CONTROL. LAT. 34°13'20" LONG. 118°10'40", NEAR NORTH LINE OF SEC. 31, T. 2 N., R. 12 W., 1.5 MI. UPSTREAM FROM MILLARD CANYON AND 5.5 MILES NORTHWEST OF PASADENA. ALTITUDE OF GAGE ABOUT 1,400 FEET.

DRAINAGE AREA: 16.4 SQUARE MILES.

RECORDS AVAILABLE: DECEMBER 1910 TO SEPTEMBER 1951.

AVERAGE DISCHARGE: 36 YEARS (1913-15, 1916-50) - 10.0 SECOND-FEET.
34 " " " " 51 - 9.71 SECOND-FEET.

EXTREMES:

1949-50
MAXIMUM DISCHARGE 150. SECOND-FEET NOVEMBER 10. (GAGE HEIGHT 2.76 FEET).
MINIMUM DAILY 0.1 SECOND-FOOT, SEVERAL DAYS.

1950-51
MAXIMUM DISCHARGE 12. SECOND-FEET, APRIL 29 (GAGE HEIGHT 1.70 FEET).
MINIMUM DISCHARGE, NO FLOW SEPTEMBER 17 TO 20.

1910-51
MAXIMUM DISCHARGE 8,620 SECOND-FEET MARCH 2, 1938 BY SLOPE-AREA METHOD.
PRACTICALLY NO FLOW FOR SEVERAL MONTHS IN MOST 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.

DISCHARGE MEASUREMENTS OF ARROYO SECO

~~AT~~ NEAR above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1950

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1716	10-3		U.S.G.S.	1.7	0.75	0.32	0.56	0.24		.6	7	0	
1717	10-24		"	1.7	0.84	0.35	0.57	0.29		.5/.6	15	0	
1718	11-1		"	1.75	0.85	0.24	0.54	0.21		.6	9	-.01	
1719	11-17		"	2.95	0.71	1.76	0.63	1.24		.5	15	0	
1720	12-1		"	5.7	3.18	0.26	0.61	0.83		.6	12	0	
1721	12-14		"	5.7	3.35	0.32	0.67	1.06		.5/.6	14	0	
1722	12-19		"	14.0	14.7	2.37	1.68	34.9			14	+.04	
1723	1-3		"	10.5	7.30	0.26	0.69	1.93		.6	18	0	
1724	1-11		"	6.5	3.79	0.90	0.78	3.41		.5/.6	13	+.01	
1725	1-18		"	13.1	7.80	0.63	0.79	4.91		.6	14	0	
1726	2-1		"	10.5	7.30	0.43	0.76	3.16		.6	18	0	
1727	2-6		"	16.5	17.6	2.57	1.87	45.3		.6	15	0	
1728	2-13		"	10.5	9.00	0.71	0.86	6.4		.6	19	0	
1729	3-1		"	10.0	7.10	0.43	0.77	3.03		.6	18	+.01	
1730	3-15		"	10.0	6.20	0.37	0.73	2.28		.5/.6	20	0	
1731	4-3		"	9.7	6.40	0.34	0.73	2.20		.6	20	0	
1732	4-9		"	12.4	10.2	1.39	1.28	14.2		.6	23	-.01	
1733	4-18		"	10.5	6.30	0.36	0.76	2.27		.5/.6	22	-.01	
1734	5-1		"	6.0	4.10	0.48	0.71	1.96		.6	21	0	
1735	5-16		"	10.5	6.30	0.31	0.68	1.96		.5/.6	23	0	
1736	6-1		"	1.8	1.15	1.29	0.67	1.48		.6	18	0	
1737	6-12		"	1.7	0.92	1.26	0.66	1.16			17	0	
1738	7-3		"	1.7	0.95	5.20	0.58	0.49		.6	16	0	
1739	7-17		"	1.6	0.93	0.46	0.56	0.43		.5/.6	17	0	
1740	8-1		"	1.80	0.93	0.44	0.56	0.41		.5/.6	17	0	
1741	8-14		"	1.80	0.92	0.33	0.52	0.30		.6/.5	17	0	
1742	9-1		"	1.65	0.69	0.28	0.52	0.19		.5/.6	15	0	
1743	9-19		"	1.60	0.82	0.40	0.55	0.33		.6	16	+.01	

DISCHARGE MEASUREMENTS OF ARROYO SECO

~~AT~~ NEAR above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1951

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1744	10-2		U.S.G.S.	1.7	0.79	0.21	0.53	0.17			17	-.01	
1745	10-16		"	1.6	0.84	0.26	0.57	0.22		.6	17	-.01	
1746	11-1		"	1.7	0.89	0.30	0.58	0.28		.6	17	0	
1747	11-13		"	1.7	1.06	0.33	0.55	0.35		.6	10	+.01	
1748	12-1		"	1.8	1.15	0.38	0.56	0.44		.6	18	-.02	
1749	12-12		"	1.8	1.15	0.44	0.55	0.51		.5/.6	18	0	
1750	1-2		"	1.8	1.33	0.50	0.57	0.66		.6	19	0	
1751	1-11		"	1.9	1.33	0.57	0.57	0.75		.6	11	0	
1752	1-17		"	1.7	1.17	1.05	0.62	1.23		.6	18	0	
1753	1-29		"	13.6	7.42	0.72	0.80	5.35		.5/.6	26	0	
1754	2-1		"	10.0	6.35	0.30	0.68	1.89		.6	21	0	
1755	2-12		"	2.0	1.29	1.09	0.63	1.41		.6	19	0	
1756	3-2		"	10.0	6.78	0.32	0.67	2.14		.6	24	0	
1757	3-14		"	1.9	1.25	1.18	0.65	1.47		.6	19	0	
1758	4-2		"	1.7	1.11	0.85	0.61	0.94		.6	17	0	
1759	4-16		"	1.9	1.16	0.72	0.60	0.84		.6	11	0	
1760	5-1		"	3.4	2.44	0.93	0.73	2.27		.6	17		
1761	5-16		"	3.0	1.14	0.83	0.66	0.95		.6	11		
1762	5-28		"	1.8	1.13	0.70	0.66	0.79		.6	8	-.06	
1763	6-19		"	3.0	0.75	0.65	0.62	0.49		.5	11	0	
1764	6-28		"	2.9	0.43	0.88	0.59	0.38		.5	17	0	
1765	7-18		"				0.55	0.15		EST.			
1766	7-30		"				0.54	0.23		FLUME			
1767	7-30		"	2.8	0.67	0.37	0.54	0.25		.5	14		
1768	8-14		"	2.9	0.60	0.20	0.53	0.12		.5	12		
1769	8-22		"	1.5	0.68	0.26	0.53	0.18		.6	9	0	
1770	8-29		"	3.0	0.73	0.64	0.56	0.47		.5	11		
1771	9-21		"				.52	0.08		FLUME			

76DT4M F. C. Dist. 52 9-50

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, 19 50

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.1	0.2	0.7	2.2	3.3	3.0	2.3	2.1	1.6	0.6	0.3	0.2
2	0.2	0.1	0.7	2.2	3.0	3.0	2.2	1.9	1.4	0.5	0.2	0.2
3	0.2	0.1	0.7	1.9	3.0	2.8	2.1	1.8	1.4	0.6	0.2	0.2
4	0.2	0.1	0.7	1.9	3.0	2.8	2.0	1.8	1.3	0.5	0.2	0.1
5	0.2	0.1	0.7	1.8	3.0	2.6	1.7	1.8	1.2	0.5	0.2	0.1
6	0.2	0.1	0.7	1.8	3.0	2.6	1.6	1.7	1.3	0.5	0.2	0.2
7	0.2	0.2	0.7	1.7	2.0	2.3	1.6	1.7	1.2	0.5	0.1	0.2
8	0.2	0.2	0.8	3.9	1.2	2.3	3.9	1.7	1.2	0.4	0.1	0.2
9	0.2	0.3	0.8	8.6	8.7	2.3	1.2	1.7	1.0	0.5	0.1	0.2
10	0.2	2.4	0.8	3.5	9.9	2.3	4.7	1.7	1.0	0.5	0.1	0.1
11	0.2	2.2	0.9	8.9	9.7	2.3	3.7	1.6	1.0	0.5	0.2	0.2
12	0.2	1.3	0.9	1.4	7.2	2.3	3.3	1.6	1.0	0.4	0.3	0.2
13	0.2	1.3	1.0	6.9	6.5	2.3	3.1	1.6	1.0	0.4	0.3	0.2
14	0.2	1.2	1.0	5.3	5.8	2.3	3.0	1.7	0.9	0.4	0.3	0.2
15	0.2	1.2	1.0	5.3	5.1	2.3	2.8	1.7	0.9	0.4	0.3	0.2
16	0.3	1.1	1.1	4.9	4.7	2.3	2.6	1.9	0.8	0.4	0.2	0.2
17	0.3	1.1	1.1	4.7	4.3	2.3	2.5	1.9	0.7	0.3	0.2	0.4
18	0.4	1.1	1.9	4.9	4.3	2.2	2.3	1.9	0.7	0.4	0.2	0.3
19	0.3	1.0	3.5	4.9	4.1	1.9	2.2	1.8	0.7	0.3	0.1	0.3
20	0.3	1.0	8.4	4.9	4.1	1.9	2.1	1.7	0.6	0.3	0.1	0.2
21	0.3	1.0	3.6	4.9	3.7	1.8	2.2	1.7	0.6	0.3	0.2	0.2
22	0.3	0.9	3.0	4.9	3.7	1.7	2.3	1.8	0.7	0.3	0.3	0.2
23	0.3	0.8	2.8	4.9	3.5	1.7	2.6	1.9	0.9	0.3	0.3	0.1
24	0.2	0.7	2.8	4.7	3.5	6.0	2.3	1.8	0.9	0.3	0.3	0.1
25	0.2	0.7	2.8	4.5	3.5	2.1	2.2	1.7	0.7	0.3	0.3	0.2
26	0.2	0.7	2.6	4.3	3.1	3.9	2.2	1.6	0.7	0.3	0.3	0.2
27	0.2	0.7	2.3	4.3	3.0	3.1	2.3	1.6	0.6	0.3	0.3	0.2
28	0.2	0.8	2.3	4.3	3.0	2.8	2.2	1.6	0.6	0.3	0.3	0.2
29	0.2	0.8	2.3	4.5		2.5	2.1	1.6	0.6	0.3	0.2	0.3
30	0.2	0.8	2.3	4.1		2.5	1.9	1.4	0.6	0.3	0.2	0.3
31	0.2		2.2	4.0		2.3		1.4		0.3	0.2	
	7.0	45.8	105.7	143.6	178.7	97.4	84.0	53.4	27.8	12.2	6.8	6.1
MEAN	0.23	1.53	3.41	4.63	6.38	3.14	2.80	1.72	0.93	0.39	0.22	0.20
ACRE-FEET	14	91	210	285	354	193	167	106	55	24	13	12

Remarks:

YEAR MEAN 2.11
OR
PERIOD ACRE-FEET 1520.

76DT4M F. C. Dist. 52 9-50

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, 19 51

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.3	0.3	0.4	0.7	2.1	2.3	1.0	2.4	0.7	0.3	0.2	0.3
2	0.2	0.2	0.4	0.7	1.8	2.3	1.0	2.1	0.7	0.2	0.2	0.3
3	0.2	0.2	0.4	0.7	1.4	1.9	1.0	1.6	0.7	0.3	0.2	0.3
4	0.2	0.2	0.4	0.7	1.4	1.9	0.9	1.3	0.8	0.3	0.2	0.2
5	0.2	0.2	0.4	0.7	1.4	1.9	0.9	1.6	0.9	0.2	0.2	0.2
6	0.2	0.2	0.4	0.7	1.4	1.9	0.9	1.3	0.9	0.2	0.2	0.2
7	0.1	0.1	0.5	0.7	1.4	1.8	0.9	1.1	0.9	0.1	0.1	0.2
8	0.1	0.2	0.5	0.7	1.4	1.7	0.8	1.0	0.9	0.2	0.1	0.2
9	0.1	0.2	0.5	0.7	1.4	1.8	0.7	1.1	0.8	0.2	0.1	0.2
10	0.1	0.2	0.5	0.8	1.4	1.8	0.8	1.1	0.7	0.2	0.1	0.2
11	0.1	0.3	0.5	1.8	1.4	1.7	0.7	1.1	0.7	0.2	0.1	0.2
12	0.1	0.3	0.5	1.9	1.4	1.6	0.7	1.0	0.7	0.2	0.1	0.1
13	0.1	0.4	0.5	1.2	1.4	1.4	0.7	0.9	0.7	0.2	0.1	0.1
14	0.2	0.4	0.5	1.1	1.3	1.6	0.7	0.9	0.7	0.1	0.1	0.1
15	0.2	0.3	0.5	1.0	1.3	1.4	0.8	0.9	0.7	0.1	0.1	0.1
16	0.1	0.3	0.5	1.2	1.3	1.4	0.8	1.0	0.7	0.1	0.1	0.1
17	0.1	0.3	0.5	1.1	1.3	1.4	0.8	0.9	0.7	0.1	0.1	0
18	0.1	0.4	0.5	1.1	1.4	1.3	0.8	1.0	0.6	0.2	0.1	0
19	0.1	0.7	0.5	2.2	1.4	1.2	0.8	1.0	0.5	0.2	0.1	0
20	0.2	0.5	0.6	1.6	1.4	1.2	0.9	1.0	0.5	0.2	0.1	0
21	0.2	0.4	0.6	1.4	1.4	1.2	0.9	1.1	0.6	0.2	0.1	0.1
22	0.2	0.3	0.6	1.4	1.6	1.2	0.9	1.1	0.5	0.2	0.1	0.1
23	0.2	0.3	0.6	1.4	1.6	1.3	0.9	1.1	0.4	0.2	0.1	0.1
24	0.2	0.3	0.6	1.2	1.7	1.2	1.1	1.1	0.4	0.2	0.1	0.1
25	0.2	0.3	0.6	1.2	1.6	1.1	4.8	1.1	0.4	0.2	0.1	0.1
26	0.3	0.3	0.6	1.2	1.8	1.1	2.2	1.0	0.4	0.2	0.1	0.1
27	0.4	0.3	0.7	1.2	1.9	1.0	1.3	1.0	0.4	0.2	0.1	0.1
28	0.3	0.3	0.7	1.1	1.8	1.0	3.1	0.8	0.3	0.2	0.2	0.1
29	0.2	0.4	0.7	3.8		1.0	9.5	0.7	0.3	0.2	0.4	0.1
30	0.3	0.4	0.7	3.0		1.0	5.1	0.7	0.2	0.2	0.4	0.2
31	0.3		0.7	2.2		1.0		0.7		0.2	0.3	
	5.8	9.2	16.6	40.4	42.1	45.6	46.4	34.7	18.4	6.0	4.6	4.1
MEAN	0.19	0.31	0.54	1.30	1.50	1.47	1.55	1.12	0.61	0.19	0.15	0.14
ACRE-FEET	12.	18.	33.	80.	84.	90.	92.	69.	36.	12.	9.1	8.1

Remarks:

YEAR MEAN 0.75
OR
PERIOD ACRE-FEET 543.

STATION P277-R

ARROYO SECO below Devil's 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 DEVIL'S 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 DEVIL'S 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 2.0 FEET HIGH FORMS THE CONTROL.

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, 1949 TO SEPTEMBER 30, 1951.

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

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

RECORDS AVAILABLE: NOVEMBER 30, 1942 TO SEPTEMBER 30, 1951. RECORDS PRIOR TO NOVEMBER 30, 1942 ARE AVAILABLE AT THE PASADENA WATER DEPARTMENT.

EXTREMES OF DISCHARGE:

1949-50
MAXIMUM 106. SECOND-FEET NOVEMBER 10.
MINIMUM NO FLOW MOST OF YEAR.

1950-51
MAXIMUM 26 SECOND-FEET SEPTEMBER 4.
MINIMUM NO FLOW MOST OF YEAR.

1942-1951
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, 1950

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
243	11-10	1350 / 1353	MOON - GUTIERREZ	6.0	3.00	12.1		36.4		FLOATS	4		
244	7-6	1020 / 1025	STUNDEN	TWO CHANNELS				1.9		.5	5		FC36
245	7-8	1045 / 1105	"	"	"			3.2		.5	6		"
246	9-18	1804 / 1809	MOON	4.0	1.01	1.98		2.0		.5	4		FC22

P. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. P277R

Daily discharge, in second-feet of ARROYO SECO below Devils Gate Dam for the year ending September 30, 1950

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	1.8	0	0
7	0	0	0	0	0	0	0	0	0	5.3	0	0
8	0	0	0	0	0	0	0	0	0	3.4	0	0
9	0	0	0	0	0	0	0	0	0	1.0	0	0
10	0	21	0	0	1.1	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	1.4	0	0	0	0	0	0	0	0	0.3
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	21.	1.4	0	1.1	0	0	0	0	11.5	0	0.3
MEAN	0	0.70	.045	0	.039	0	0	0	0	0.37	0	0.01
ACRE-FEET	0	42.	2.8	0	2.2	0	0	0	0	23.	0	0.6

Remarks:

YEAR OR PERIOD MEAN 0.10
ACRE-FEET 71.

76D74M F. C. Dist. 52 9-50

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, 1951

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 3
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 3
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 1	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0		0	0	0	0	0	0	0
30	0	0	0	0		0	0	0	0	0	0	0
31	0	0	0	0		0		0		0	0	
	0	0	0	0 1	0	0	0	0	0	0	0	0 6
MEAN	0	0	0	.003	0	0	0	0	0	0	0	0 02
ACRE-FEET	0	0	0	0.2	0	0	0	0	0	0	0	1 2

Remarks: + = 0.05 c.f.s. or less

YEAR OR PERIOD MEAN .002
ACRE-FEET 1.4

STATION F294-R

BALLONA CREEK at Sepulveda Blvd.

LOCATION: WATER STAGE RECORDER. LAT. 34°00'00", LONG. 118°24'02". ON THE DOWNSTREAM SIDE OF SEPULVEDA BOULEVARD BRIDGE, ABOUT 1.3 MILES SOUTH OF CULVER CITY. ELEVATION OF ZERO GAGE HEIGHT, 14.98 FEET.

CHANNEL AND CONTROL: CHANNEL - HEAVY ADOBE OVERLAIN WITH COARSE GRAVEL AND SAND, WITH ROCK-PAVED GUNITED LEVEES ON A 3 TO 1 SLOPE. CONTROL - A CONCRETE STABILIZER WAS INSTALLED IN DECEMBER 1946 ABOUT 60 FEET DOWNSTREAM FROM STATION.

RECORDS AVAILABLE: CONTINUOUS WATER STAGE RECORDER RECORDS DURING STORM SEASON ONLY, FROM APRIL 15, 1948 TO SEPTEMBER 30, 1951.

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 F38B-R

BALLONA CREEK at Sawtelle Blvd.

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.

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. AN AU CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1949 TO SEPTEMBER 30, 1951.

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, 1951.

EXTREMES OF DISCHARGE:

1949-1950
MAXIMUM 7670 SECOND-FEET, FEBRUARY 6.
MINIMUM + FLOW JULY 23.

1950-1951
MAXIMUM 5460 SECOND-FEET, JANUARY 10.
MINIMUM ESTIMATED + FLOW ON JANUARY 27.

1928-1951 (STATIONS F38-R AND F38B-R)
MAXIMUM 19,000 SECOND-FEET, MARCH 2, 1938.
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: GOOD.

OPERATION: LOCATED AND CONSTRUCTED BY THE LOS ANGELES COUNTY FLOOD CONTROL 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 ~~NEAR~~ Sawtelle Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 19~~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.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
2006	10-6	1108 / 1120	BOLLINGER - REINHARD	5.0	4.33	0.95	1.69	4.1		.6	9	0	FC6
2007	10-13	1527 / 1535	BOLLINGER - LINDSAY	6.0	6.06	1.17	1.81	7.1		.6	7	0	"
2008	10-20	1350 / 1400	BOLLINGER	6.0	5.70	1.05	1.81	6.0		.6	8	0	"
2009	10-27	1358 / 1408	"	9.0	9.58	0.53	1.32	5.1		.6	9	0	"
2010	11-3	1650 / 1702	"	11.8	14.0	0.54	1.71	7.5		.6	11	0	"
2011	11-10	0721 / 0744	BOLLINGER - REINHARD	96.0	423.	6.56	7.88	2770.		.6	14	-0.75	"
2012	11-17	1100 / 1110	BOLLINGER	8.1	7.45	0.75	1.76	5.6		.6	9	0	"
2013	11-23	1309 / 1319	"	9.5	4.80	1.25	1.82	6.0		.6	9	0	"
2014	12-1	1234 / 1245	"	8.5	4.45	1.03	1.78	4.6		.6	9	0	"
2015	12-8	1315 / 1330	BOLLINGER - REINHARD	76.0	156.	4.17	4.72	651.		.6	13	-0.18	"
2016	12-8	1332 / 1348	"	75.0	153.	3.30	4.46	506.		.6	13	-0.27	"
2017	12-16	1410 / 1420	BOLLINGER	4.8	3.32	2.02	1.86	6.7		.6	6	0	"
2018	12-18	1320 / 1342	REINHARD - BOLLINGER	98.0	480.	7.78	8.64	3730.		.6	14	+0.88	"
2019	12-18	1344 / 1413	"	110.0	564.	8.16	9.35	4600.		.6	14	+0.10	"
2020	12-18	1440 / 1506	"	103.0	453.	7.59	8.40	3440.		.6	12	-0.51	"
2021	12-18	1507 / 1528	"	95.0	415.	6.84	7.54	2840.		.6	11	-0.83	"
2022	12-18	1830 / 1848	"	92.0	353.	7.11	7.02	2510.		.6	12	-0.52	"
2023	12-18	1850 / 1925	"	81.0	292.	6.28	6.45	1830.		.6	10	-1.19	"
2024	12-19	1117 / 1135	"	90.0	363.	7.00	6.99	2540.		.6	11	-0.08	"
2025	12-19	1136 / 1156	"	89.0	331.	6.55	6.69	2170.		.6	12	-0.60	"
2026	12-22	1158 / 1212	BOLLINGER	10.0	5.22	1.09	1.85	5.7		.6	9	0	"
2027	12-29	1112 / 1126	"	9.0	4.49	1.32	1.79	5.9		.6	10	0	"
2028	1-5	1355 / 1408	"	12.0	8.57	0.57	1.85	4.9		.6	10	0	"
2029	1-8	1717 / 1805	BOLLINGER - WITHERS	107.0	588.	8.72	9.88	5130.		.6	15	+1.32	"
2030	1-8	1805 / 1850	"	103.0	586.	8.86	9.55	5190.		.6	15	-2.00	"
2031	1-11	1015 / 1053	BOLLINGER - SPENCER	80.0	199.	7.44	5.17	1480.		.6	11	+.94	"
2032	1-11	1056 / 1118	"	83.0	240.	6.67	5.96	1600.		.6	13	+.48	"
2033	1-11	1250 / 1309	"	87.0	287.	6.38	6.32	1830.		.6	13	-.18	"
2034	1-11	1311 / 1332	"	86.0	284.	6.69	6.22	1900.		.6	14	-.02	"
2035	1-11	1604 / 1624	"	106.0	547.	7.88	9.05	4310.		.6	14	-.55	"
2036	1-11	1626 / 1647	"	101.0	461.	7.07	8.33	3260.		.6	15	-.90	"
2037	1-12	1319 / 1340	"	78.0	179.	4.91	4.78	878.		.6	10	-.50	"
2038	1-12	1341 / 1358	"	77.0	156.	4.22	4.28	658.		.6	12	-.37	"
2039	1-19	1333 / 1347	BOLLINGER	13.9	9.52	0.80	1.94	7.6		.6	12	0	"
2040	1-26	1315 / 1326	"	10.7	8.67	0.45	1.90	3.9		.6	9	0	"
2041	2-2	1308 / 1325	"	13.1	7.03	0.98	1.92	6.9		.6	11	0	"
2042	2-6	0641 / 0656	BOLLINGER - SPENCER	85.0	278.	6.73	6.36	1870.		.6	11	-.35	"
2043	2-6	0658 / 0714	"	85.0	261.	5.98	6.04	1560.		.6	12	-.28	"
2044	2-6	0900 / 0921	"	93.0	369.	7.51	7.22	2770.		.6	13	-.85	"
2045	2-6	0923 / 0937	"	87.0	285.	5.58	6.35	1590.		.6	11	.70	"
2046	2-9	1026 / 1038	BOLLINGER	10.5	5.20	1.12	1.89	5.8		.6	9	0	"
2047	2-10	0950 / 1003	BOLLINGER - SPENCER	74.0	135.	3.74	3.90	505.		.6	10	-.13	"
2048	2-10	1005 / 1015	"	71.0	128.	3.10	3.74	397.		.6	9	-.18	"
2049	2-10	1134 / 1521	"	85.0	265.	5.39	6.12	1440.		.6	12	+.04	"
2050	2-10	1155 / 1207	"	84.0	269.	5.43	5.87	1460.		.6	10	-.30	"
2051	2-16	1245 / 1256	BOLLINGER	10.0	6.36	0.60	1.96	3.8		.6	8	0	"
2052	2-23	1244 / 1258	"	8.7	5.62	0.71	1.96	4.0		.6	9	0	"
2053	2-28	1345 / 1402	"	19.0	30.6	1.11	2.32	33.9		.6	12	0	"
2054	3-2	1348 / 1402	"	11.0	11.6	0.85	2.09	9.9		.6	11	-.01	"
2055	3-9	1134 / 1148	"	9.5	6.09	0.71	1.99	4.3		.6	9	0	"
2056	3-16	1618 / 1628	"	9.0	4.85	0.37	1.89	1.8		.6	7	0	"
2057	3-23	1420 / 1435	"	10.5	5.72	0.42	1.94	2.4		.6	10	0	"
2058	3-24	1952 / 2006	BOLLINGER - SPENCER	83.0	271.	5.09	6.03	1380.		.6	11	-.60	"
2059	3-24	2012 / 2030	"	78.0	222.	4.00	5.29	886.		.6	12	-.67	"
2060	3-30	1410 / 1425	BOLLINGER	12.7	9.47	0.43	1.91	4.1		.6	11	0	"
2061	4-6	1300 / 1310	"	7.5	3.08	0.42	1.84	1.3		.6	6	0	"
2062	4-13	1337 / 1347	"	9.8	4.10	0.49	1.80	2.0		.6	7	-.01	"
2063	4-20	0950 / 0957	"	10.0	5.64	0.99	1.91	5.6		.6	9	0	"
2064	4-27	1346 / 1358	"	10.0	5.78	0.76	1.90	4.4		.6	9	0	"
2065	5-4	1722 / 1735	"	9.5	5.48	0.80	1.87	4.4		.6	9	0	"
2066	5-11	1720 / 1734	"	9.5	6.76	1.24	1.95	8.4		.6	10	0	"
2067	5-18	1650 / 1702	"	9.3	5.82	0.88	1.89	5.1		.6	10	0	"
2068	5-25	1737 / 1753	"	10.0	7.95	1.56	2.02	12.4		.6	11	-.02	"
2069	5-31	1228 / 1238	BLAKELY	16.0	14.7	0.33	1.93	4.9		.6	8	0	FC35
2070	6-7	1226 / 1234	"	8.0	5.41	0.83	1.88	4.5		.6	7	0	"
2071	6-15	1703 / 1715	BOLLINGER	10.5	6.84	1.17	2.00	8.0		.6	9	0	FC6
2072	6-22	1138 / 1150	"	9.5	8.12	1.37	2.17	11.1		.6	10	+.02	"
2073	6-29	1212 / 1223	"	9.2	6.22	0.71	1.95	4.4		.6	9	0	"
2074	7-7	1603 / 1616	"	8.5	8.24	1.36	2.16	11.2		.6	10	0	"
2075	7-13	1642 / 1655	"	8.0	7.68	1.38	2.20	10.6		.6	9	0	"
2076	7-20	1310 / 1322	"	8.0	6.53	1.13	2.11	7.4		.6	8	0	"
2077	7-28	1503 / 1515	TURNER	21.0	14.8	0.72	2.14	10.6		.6	10	0	FC43
2078	8-4	1045 / 1100	"	20.0	9.34	0.50	1.98	4.7		.6	10	-.01	"
2079	8-10	1139 / 1148	BOLLINGER	8.0	6.07	0.86	1.99	5.2		.6	8	0	FC6
2080	8-17	1135 / 1150	"	19.5	9.81	0.42	1.98	4.1		.6	11	0	"
2081	8-24	1207 / 1220	"	10.4	5.89	0.64	2.11	3.8		.6	10	0	"
2082	8-31	1205 / 1218	"	10.5	6.78	0.52	2.10	3.5		.6	9	0	"
2083	9-7	1448 / 1500	"	11.0	9.61	0.77	2.28	7.4		.6	11	0	"
2084	9-14	1305 / 1320	"	10.2	4.34	0.94	2.08	4.1		.6	11	0	"
2085	9-21	1250 / 1305	"	11.0	3.27	1.32	2.06	4.3		.6	10	0	"
2086	9-29	1330 / 1345	"	8.0	5.57	0.70	2.22	3.9		.6	8	0	"

DISCHARGE MEASUREMENTS OF BALLONA CREEK

AT ~~NEAR~~ Sawtelle Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 19 51

NO.	DATE	BEGIN / END	MADE 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.
2087	10-4	1238 / 1250	LANG	6.5	6.48	0.56	2.40	3.6		.6	8	0	FC12
2088	10-11	1310 / 1330	"	8.0	7.97	0.43	2.15	3.4		.6	8	0	"
2089	10-19	1120 / 1133	BOLLINGER	13.5	5.40	0.83	2.12	4.5		.6	11	0	FC6
2090	10-26	1010 / 1025	BOLLINGER-THOMAS	12.5	4.26	0.99	2.10	4.1		.6	12	0	"
2091	11-2	1043 / 1058	BOLLINGER	15.0	5.85	0.53	2.00	3.1		.6	12	0	"
2092	11-9	1208 / 1233	"	33.8	39.6	1.67	2.86	66.3		.6	21	0	"
2093	11-16	1340 / 1405	"	39.3	40.1	1.83	2.89	73.3		.6	20	+.05	"
2094	11-22	1235 / 1253	"	22.6	11.7	0.97	2.21	11.4		.6	16	0	"
2095	11-30	1210 / 1233	"	22.1	14.2	1.12	2.26	15.9		.6	17	0	"
2096	12-7	1210 / 1222	"	7.6	4.44	1.01	2.02	4.5		.6	10	0	"
2097	12-15	1120 / 1145	LANG	12.1	8.26	0.91	2.12	7.5		.6	13	0	FC12
2098	12-20	1025 / 1035	MOON	11.0	8.08	0.92	2.07	7.4		.6	7	0	FC22
2099	12-28	1620 / 1645	BOLLINGER-THOMAS	10.7	14.3	2.24	2.47	32.1		.6	12	+.03	FC6
2100	1-4	1205 / 1220	BOLLINGER	6.5	4.44	1.37	2.13	6.1		.6	11	0	"
2101	1-11	1038 / 1048	BOLLINGER-BROWN	7.0	5.53	1.81	1.91	10.0		.6	11	0	"
2102	1-18	1057 / 1111	BOLLINGER	7.2	3.94	1.17	1.83	4.6		.6	10	0	"
2103	1-25	1313 / 1327	"	7.2	5.92	1.76	1.90	10.4		.6	10	0	"
2104	1-29	0920 / 0942	BOLLINGER-THOMAS	94.0	378	7.30	7.21	2760		.5	13	- 37	"
2105	1-29	1004 / 1019	"	88.0	352	6.19	6.77	2180		.6	13	+.16	"
2106	1-29	1129 / 1155	"	104.	507.	8.38	8.62	4250		.6	16	- 22	"
2107	1-29	1251 / 1310	"	96.	392	7.42	7.72	2910		.6	14	-1.00	"
2108	1-29	1324 / 1358	BOLLINGER-THOMAS	85.5	246	5.28	5.94	1300.		.6	14	-1.22	"
2109	2-1	1105 / 1117	BOLLINGER	11.2	5.76	0.73	1.83	4.2		.6	10	0	"
2110	2-8	1140 / 1151	"	7.0	4.20	0.74	1.81	3.1		.6	10	0	FC6
2111	2-15	1135 / 1146	"	8.8	3.51	0.94	1.81	3.3		.6	10	0	"
2112	2-21	1448 / 1507	"	16.5	10.6	0.88	1.90	9.3		.6	16	0	"
2113	3-1	0842 / 0900	BOLLINGER-THOMAS	57.5	130.	3.57	3.94	464.		.6	13	- .23	"
2114	3-8	1317 / 1330	BOLLINGER	7.0	2.89	0.97	1.85	2.8		.6	10	0	"
2115	3-15	1303 / 1316	"	6.7	4.60	1.11	1.88	5.1		.6	10	0	"
2116	3-22	1248 / 1300	"	6.7	4.30	1.07	1.89	4.6		.6	10	0	"
2117	3-28	1255 / 1310	"	14.3	5.50	0.67	1.89	3.7		.6	12	0	"
2118	4-4	0112 / 0140	BOLLINGER-THOMAS	90.0	326.	6.26	6.62	2040.		.6	14	+1.03	"
2119	4-5	1107 / 1121	BOLLINGER	10.2	6.65	0.86	2.05	5.7		.6	12	0	"
2120	4-11	1027 / 1038	"	6.9	5.27	0.74	2.02	3.9		.6	10	0	"
2121	4-19	1116 / 1127	"	9.2	5.99	0.67	2.00	4.0		.6	11	0	"
2122	4-26	1210 / 1224	"	7.2	5.45	1.06	2.03	5.8		.6	11	0	"
2123	5-3	1327 / 1342	"	8.4	3.50	1.34	1.87	4.7		.6	12	0	"
2124	5-10	1720 / 1740	"	13.2	21.1	1.63	2.22	34.4		.6	14	0	"
2125	5-17	1115 / 1127	"	8.5	2.15	1.02	1.82	2.2		.6	11	0	"
2126	5-24	1120 / 1138	"	13.4	7.16	0.70	1.86	5.0		.6	15	0	"
2127	5-31	1159 / 1212	"	14.7	6.61	0.70	1.85	4.6		.6	16	0	"
2128	6-7	1050 / 1104	"	8.6	2.49	1.53	1.86	3.8		.6	11	0	"
2129	6-14	1052 / 1108	"	13.0	6.38	0.89	1.90	5.7		.6	14	0	"
2130	6-21	1052 / 1106	"	12.4	7.44	0.97	1.94	7.2		.6	13	0	"
2131	6-28	1048 / 1106	"	12.6	7.17	0.68	1.92	4.9		.6	15	0	"
2132	7-5	1512 / 1530	"	11.8	7.83	0.89	1.96	7.0		.6	13	0	"
2133	7-12	1057 / 1115	"	12.0	7.45	0.59	1.91	4.4		.6	15	0	"
2134	7-19	1058 / 1116	"	13.0	7.98	0.69	1.93	5.5		.6	16	0	"
2135	7-17	1035 / 1055	"	11.5	7.88	1.48	2.00	11.7		.6	15	0	"
2136	8-2	1055 / 1110	THOMAS	10.4	6.29	1.24	1.92	7.8		.6	10	0	FC42
2137	8-9	1640 / 1654	"	10.2	13.4	0.82	1.98	11.0		.6	9	+.01	"
2138	8-16	1105 / 1123	BOLLINGER	9.8	6.01	0.83	1.89	5.0		.6	14	0	FC6
2139	8-23	1118 / 1135	"	10.9	5.99	0.82	1.88	4.9		.6	13	0	"
2140	8-30	1220 / 1238	"	12.4	5.95	0.92	1.90	5.5		.6	15	0	"
2141	9-6	1157 / 1217	"	10.5	5.19	0.65	1.86	3.4		.6	13	0	"
2142	9-13	1117 / 1138	"	9.6	6.22	0.92	1.93	5.7		.6	14	-.02	"
2143	9-20	1056 / 1113	"	10.7	6.21	0.74	1.88	4.6		.6	14	0	"
2144	9-27	1153 / 1217	"	17.0	11.6	0.99	2.00	11.5		.6	20	0	"

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F38B-R

Daily discharge, in second-feet of BALLONA CREEK at Sawtelle Boulevard, for the year ending September 30, 19 50

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	6.4	v 6.8	7.8	7.0	4.2	3.8	7.0	7.8	6.3	12	9.2	e 3.5
2	4.0	7.2	7.0	12	5.6	22	4.9	7.0	8.5	9.2	10	e 3.5
3	3.6	7.5	8.5	12	6.3	4.2	8.5	7.0	7.0	11	13	f 4.5
4	6.4	8.4	7.0	7.8	6.3	4.2	8.5	6.3	4.9	7.0	15	e 7.4
5	5.7	9.3	7.0	6.3	22	3.5	9.2	8.5	7.8	18	12	7.4
6	7.3	10	5.6	4.2	1330	3.5	7.0	8.5	7.8	11	7.0	7.4
7	6.8	v 11	93	4.9	23	5.6	10	5.6	9.2	9.2	8.5	7.4
8	6.8	12	467	f1040	9.2	6.3	178	9.2	9.2	7.0	13	6.8
9	6.6	317	12	32	6.3	7.8	f257	11	9.2	5.6	9.2	6.3
10	6.6	833	5.6	4.2	287	3.5	f 11	12	9.2	8.5	11	5.9
11	6.4	13	5.6	857	21	8.5	11	9.2	7.0	7.0	12	5.4
12	6.2	7.0	4.9	280	10	3.5	5.6	8.5	7.8	6.3	8.5	5.0
13	6.8	4.2	6.3	11	11	6.3	6.3	5.6	9.2	5.6	6.3	4.6
14	6.2	7.8	7.0	82	10	9.2	7.0	4.9	7.0	5.6	9.2	4.1
15	7.5	8.5	39	10	9.2	5.6	4.9	9.2	5.6	4.2	8.5	4.1
16	6.4	10	10	9.2	6.3	7.0	4.9	13	7.8	3.5	10	e 4.1
17	7.0	8.5	7.0	12	7.8	10	7.8	8.5	5.6	7.8	e 4.1	f1.94
18	7.0	9.2	1620	7.0	7.8	11	7.8	6.3	2.8	7.0	4.1	e 4.2
19	7.3	8.5	247	7.8	4.9	6.3	8.5	7.0	4.9	7.8	4.1	4.2
20	6.8	5.6	11	6.3	6.3	11	8.5	7.8	8.5	10	4.0	4.3
21	6.8	7.0	8.5	6.3	7.8	8.5	8.5	5.6	8.5	12	4.0	4.3
22	7.0	9.2	7.8	6.3	7.0	7.8	7.0	6.3	12	12	3.9	4.3
23	6.8	7.0	9.2	5.6	7.0	7.0	6.3	4.2	5.6	1.4	3.8	4.2
24	v 6.4	7.0	7.0	6.3	9.2	570	7.0	4.9	6.3	7.8	3.8	4.2
25	6.0	3.5	3.5	6.3	7.0	128	7.0	7.8	2.8	10	3.8	4.1
26	5.5	6.3	3.5	5.6	7.8	12	7.0	5.6	10	12	3.7	4.1
27	5.1	4.9	3.5	6.3	8.5	10	7.0	14	10	8.5	3.7	4.0
28	5.4	7.0	6.3	147	24	7.8	7.0	3.5	9.2	7.8	3.6	3.9
29	5.8	13	12	96		7.0	9.2	4.9	11	8.5	3.6	3.9
30	6.1	9.2	9.2	8.5		7.0	4.9	3.5	13	4.9	3.5	e 3.9
31	v 6.5		8.5	5.6		5.6		6.3		6.3	e 3.5	
	1952	1378.6	2657.3	2712.5	1872.5	947.7	644.3	229.5	233.7	254.5	219.6	375.5
MEAN	6.30	46.0	85.7	87.5	66.9	30.6	21.5	7.40	7.79	8.21	7.08	12.5
ACRE-FEET	387.	2730.	5270.	5380.	3710.	1880.	1280.	455.	464.	511.	436.	745.

Remarks:

YEAR OR PERIOD MEAN 32.1
ACRE-FEET 23,250.

75D76M F. C. Dist. 55 9-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

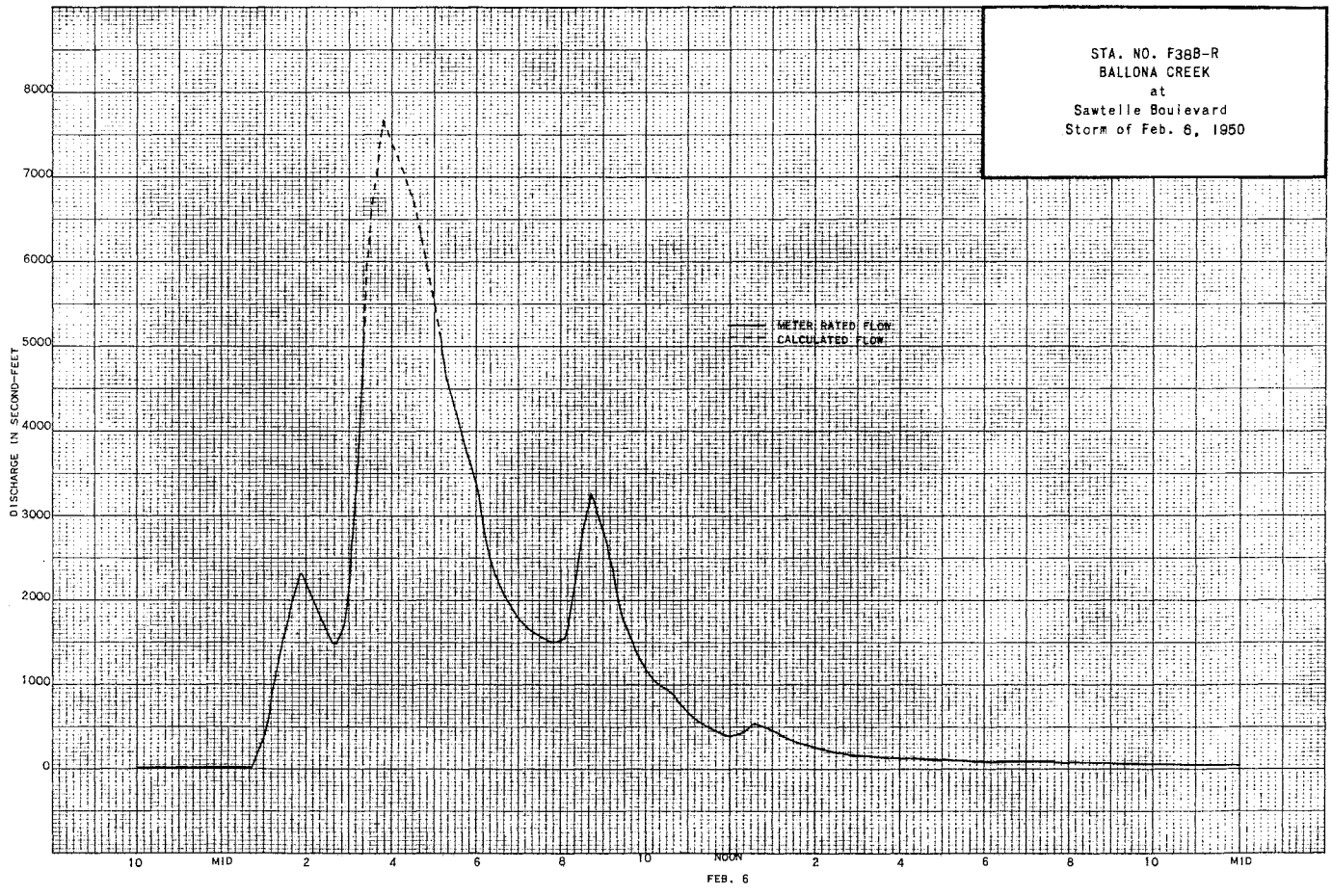
Sta. No. F38B-R

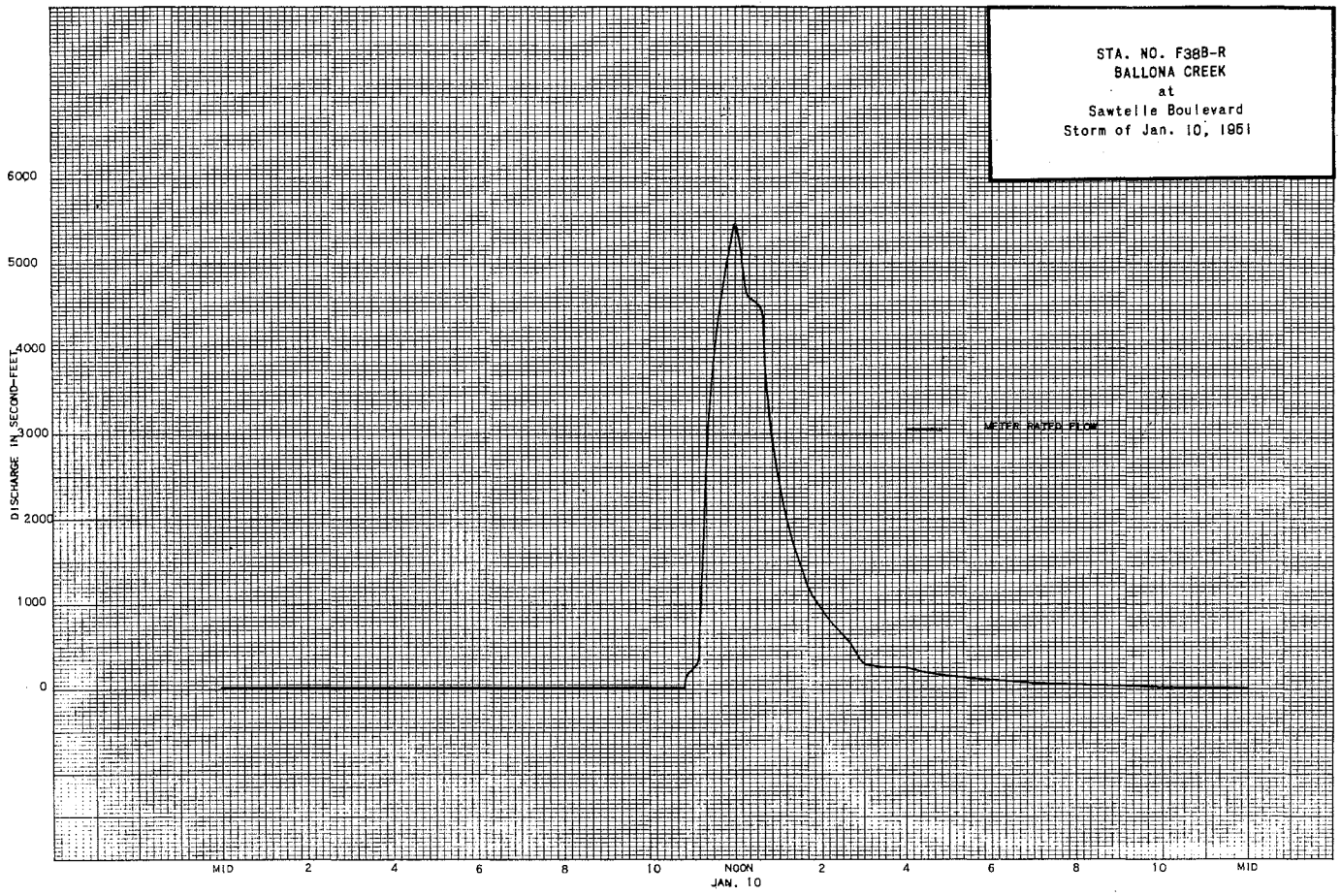
Daily discharge, in second-feet of BALLONA CREEK at Sawtelle Boulevard for the year ending September 30, 1951

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4.2	7.8	4.9	4.2	6.3	317	7.0	10	7.0	6.3	10	6.3
2	7.8	10	8.5	14	5.6	9.2	9.2	8.5	6.3	7.0	10	4.9
3	7.8	12	2.8	14	5.6	6.3	102	9.2	6.3	7.0	10	3.5
4	9.2	10	5.6	110	4.9	3.5	289	7.8	6.3	5.6	7.0	9.2
5	10	8.5	14	24	7.0	14	9.2	5.6	5.6	7.8	6.3	7.0
6	11	17	10	7.8	7.8	12	6.3	4.2	5.6	6.3	7.0	7.8
7	11	51	15	5.6	7.0	a 4.2	4.9	4.9	6.3	7.0	7.8	5.6
8	9.2	60	13	8.5	4.9	a 4.9	4.9	6.3	7.6	6.3	7.0	5.6
9	10	66	6.3	8.5	4.9	7.8	7.8	11	7.8	10	8.5	4.9
10	11	68	4.9	438	4.2	4.9	7.0	24	6.3	8.5	9.2	7.0
11	7.0	64	12	354	3.5	4.2	6.3	6.3	7.0	8.5	7.8	7.0
12	7.8	55	15	10	6.3	5.6	6.3	6.3	7.6	7.8	6.3	7.8
13	12	662	15	4.2	4.9	9.2	9.2	4.9	7.0	10	8.5	6.3
14	12	53	14	3.5	5.6	7.0	7.0	115	8.5	8.5	7.8	8.5
15	7.8	64	19	6.3	4.9	7.8	4.9	5.6	8.5	7.8	7.0	8.5
16	7.8	4.9	8.5	258	6.3	8.5	6.3	4.9	7.6	15	7.8	7.8
17	11	e 22	10	14	3.5	8.5	7.0	5.6	5.6	9.2	10	8.5
18	8.5	17	26	190	2.8	5.6	6.3	6.3	7.0	10	10	10
19	8.5	262	35	222	3.5	7.0	6.3	8.5	7.0	11	7.8	12
20	10	a 32	18	6.3	5.6	7.8	7.0	6.3	7.0	13	9.2	8.5
21	9.2	14	19	21	7.0	7.0	6.3	7.8	6.3	12	10	10
22	9.2	13	14	3.5	51	6.3	7.0	7.8	7.8	7.8	11	9.2
23	11	8.5	12	4.9	384	7.0	10	8.5	12	11	8.5	7.8
24	9.2	9.2	10	3.5	85	6.3	9.2	7.8	6.3	8.5	8.5	7.8
25	8.5	5.6	6.3	6.3	5.6	5.6	282	7.6	7.0	8.5	7.8	7.8
26	34	4.9	21	4.2	256	6.3	7.8	7.8	7.8	18	6.3	8.5
27	231	7.0	12	3.5	100	6.3	15	5.6	10	16	7.8	10
28	12	18	11	0.7	8.5	6.3	558	8.5	7.8	7.8	8.4	11
29	5.6	4.2	12	756		8.5	77	8.5	9.2	6.3	40	10
30	7.0	11	6.3	7.8		12	11	5.6	8.5	10	6.3	7.8
31	7.0		4.2	7.0		8.5		6.3		10	6.3	
	527.3		385.3	1002.2		1497.2		221.2		285.9		
	1685.7		2502.4		535.1		343.2		288.5		235.6	
MEAN	17.0	56.2	12.4	80.7	35.8	17.3	49.9	11.1	7.37	9.31	9.22	7.89
ACRE-FEET	1050.	3340.	764.	4960.	1990.	1060.	2970.	680.	439.	572.	567.	469.

Remarks:

YEAR OR PERIOD MEAN 26.1
ACRE-FEET 18,860.





STATION F293-R

BALLONA CREEK below Culver Blvd.

LOCATION: WATER STAGE RECORDER. LAT. 33°58'23" , LONG. 118°26'07" . ON THE LEFT BANK (SOUTHEAST) OF BALLONA CREEK, 1135 FEET BELOW CULVER BOULEVARD. ELEVATION OF ZERO GAGE HEIGHT -0.42 FEET.

CHANNEL AND CONTROL:
CHANNEL - HEAVY ADOBE OVERLAID WITH COARSE GRAVEL AND SAND WITH ROCK-PAVED GUNITED LEVEES. CONTROL - NONE.

RECORDS AVAILABLE:
CONTINUOUS WATER STAGE RECORDS AVAILABLE FOR STORM SEASONS ONLY FROM APRIL 15, 1948 TO SEPTEMBER 30, 1951.

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 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 - HEAVY 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, 1951.

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 F120-R

BIG DALTON CREEK below Big Dalton Dam

LOCATION: WATER-STAGE RECORDER, LAT. 34°10'12", LONG. 117°48'33", ON THE LEFT (SOUTHEAST) BANK ABOUT 400 FEET BELOW THE OLD TOE WALL ON THE DOWNSTREAM SIDE OF BIG DALTON DAM AND ABOUT 5 MILES NORTHEAST OF GLENDORA. ELEVATION OF ZERO GAGE HEIGHT, 1539.63 FEET.

DRAINAGE AREA: 4.8 SQUARE MILES.

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

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

RECORDER: INSTALLED JUNE 3, 1940 OVER AN 18-INCH CORRUGATED IRON PIPE STILLING WELL. REINSTALLED 200 FEET DOWNSTREAM OVER A 4 FT. X 4 FT. CONCREET WELL DECEMBER 23, 1946. AN H.C.F. RECORDER WAS IN SERVICE FROM OCTOBER 1, 1949 TO SEPTEMBER 30, 1951.

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, 1951.

EXTREMES OF DISCHARGE:

1949-50
MAXIMUM 11 SECOND-FEET, JANUARY 21.
MINIMUM NO FLOW MOST OF YEAR.

1950-51
MAXIMUM 10 SECOND-FEET, JANUARY 11.
MINIMUM NO FLOW MOST OF YEAR.

1940-51
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 50

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
269	1-21	1237 / 1252	STUNDEN - BROWN	9.5	2.46	4.55		11.2		.5	10		FC36
270	1-21	1400 / 1410	"	7.5	2.36	4.45		10.5		.5	8		"
271	1-22	1000 / 1010	STUNDEN	7.2	3.34	2.87		9.6		.5 :.6	8		"
272	1-26	1045 / 1050	"	1.0	0.15	2.33		0.35		SURF.	2		"
273	2-6	1315 / 1318	"	1.5	0.20	2.65		0.53		.5	3		"
274	2-9	1020 / 1023	STUNDEN - BREWSTER	0.80	0.16	0.69		0.11		.5	2		"
275	2-16	1555 / 1558	STUNDEN	0.30	0.04	1.25		0.05		FLOATS	1		
276	5-4	1030 / 1032	"	0.40	0.02	1.00		0.02		"	1		
277	5-11	0930 / 0932	"	0.30	0.02	1.00		0.02		"	1		
278	9-18	1030 / 1035	"	2.0	0.47	5.96	0.42	2.80		.5	4		FC36
279	9-20	1020 / 1030	"	1.3	0.51	6.66	0.51	3.40		.5	3		"
280	9-21	1450 / 1500	"	1.45	0.56	7.14	0.48	3.8		.5	3		"
281	9-28	0910 / 0914	"	1.4	0.72	6.67	0.58	4.8		.5 :.6	3		"

DISCHARGE MEASUREMENTS OF BIG DALTON CREEK

~~AT~~ NEAR Below Big Dalton Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 51

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
282	7-10	0845 / 0850	STUNDEN	2.0	0.42	2.07		*0.87		.5	6		FC36
283	7-10	0900 / 0910	"	2.3	0.53	2.45	1.10	1.3		.5	8	0	FC36 FC50
284	7-11	1500 / 1505	"	1.8	0.46	2.13		*0.99		.5	6		FC36
285	7-11	1515 / 1525	"	2.5	0.61	1.97	1.15	1.2		.5	8	0	"
286	7-12	1445 / 1450	"	2.9	0.44	1.95		*0.86		.5	9		FC50H
287	7-12	1525 / 1530	"	2.3	0.45	2.44	1.13	1.1		.5	7	0	FC36
			* NOT TOTAL OUTFLOW.										

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F120

Daily discharge, in second-feet of BIG DALTON CREEK below Big Dalton Dam, for the year ending September 30, 1

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	+	0	0	0	0
2	0	0	0	0	0	0	0		0	0	0	0
3	0	0	0	0	0	0	0		0	0	0	0
4	0	0	0	0	0	0	0		0	0	0	0
5	0	0	0	0	0	0	0		0	0	0	0
6	0	0	0	0	b 0.4	0	0		0	0	0	0
7	0	0	0	0	0.3	0	0		0	0	0	0
8	0	0	0	+	0.2	0	+		0	0	0	0
9	0	0	0		0.1	0	+		0	0	0	0
10	0	+	0		0.1	0	+		0	0	0	0
11	0	0	0		0.1	0	0		0	0	0	0
12	0	0	0		0.1	0	0		0	0	0	0
13	0	0	0		0.1	0	0		0	0	0	0
14	0	0	0		0.1	0	0		0	0	0	0
15	0	0	0		0.1	0	0		0	0	0	0
16	0	0	0	+	b 0.1	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	1
19	0	0	+	0		0	0	+	0	0	0	3
20	0	0	0	0		0	0	0	0	0	0	3
21	0	0	0	b 5.5		0	0	0	0	0	0	3
22	0	0	0	8.7		0	0	0	0	0	0	3
23	0	0	0	5.3		0	0	0	0	0	0	4
24	0	0	0	0.4		+	0	0	0	0	0	4
25	0	0	0	b 0.4	+	+	0	0	0	0	0	3
26	0	0	0	0.4	0	+	+	0	0	0	0	3
27	0	0	0	0.2	0	0	+	0	0	0	0	4
28	0	0	0	0.2	0	0	+	0	0	0	0	2
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			21.1	1.7	+	+	+	0	.0	0	3
MEAN	0	+	+	0.63	0.06	+	+	+	0	0	0	1.
ACRE-FEET	0	+	+	42.	3.4	+	+	+	0	0	0	77.

Remarks: + = 0.05 c.f.s. or less

YEAR OR PERIOD MEAN 0
ACRE-FEET 122

160M14M F. C. Dist. 52 9-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F120

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

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	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	e 1.5	0	0
10	0	0	0	0	0	0	0	0	0	1.5	0	0
11	0	0	0	0.2	0	0	0	0	0	1.4	0	0
12	0	0	0	0	0	0	0	0	0	1.0	0	0
13	0	0	0	0	0	0	0	0	0	1.0	0	0
14	0	0	0	0	0	0	0	0	0	e 0.3	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
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
30	0	0	0	0		0	0	0	0	0	0	0
31	0		0	0		0		0		0	0	
	0	0	0	0.2	+	+	0	0	0	7.1	0	0
MEAN	0	0	0	.006	+	+	0	0	0	0.23	0	0
ACRE-FEET	0	0	0	0.4	+	+	0	0	0	14.1	0	0

Dry

Remarks: + = 0.05 c.f.s. or less.

YEAR OR PERIOD MEAN 0.0
ACRE-FEET 14.

STATION U9-R

BIG DALTON CREEK near Mouth of Canyon

LOCATION: WATER-STAGE RECORDER AND BROAD-CRESTED WEIR CONTROL, LAT. 34°09'25", LONG. 117°49'55", IN CENTER OF SEC. 21, T. 1 N., R. 9 W., 0.2 MILE UPSTREAM FROM MOUTH OF CANYON AND 2.5 MILES NORTHEAST OF GLENDORA, ALTITUDE OF GAGE ABOUT 1,170.0 FEET.

DRAINAGE AREA: 7.5 SQUARE MILES.

RECORDS AVAILABLE: DECEMBER 1919 TO SEPTEMBER 1951.

AVERAGE DISCHARGE: 30 YEARS (1920-50) 1.15 SECOND-FEET.
31 " " 51 1.11 SECOND-FEET.

EXTREMES:

1949-1950
MAXIMUM DISCHARGE 23 SECOND-FEET JANUARY 23. (GAGE HEIGHT 1.12 FEET).
NO FLOW FOR SEVERAL MONTHS.

1950-1951
MAXIMUM DISCHARGE 2.6 SECOND FEET JANUARY 11 (GAGE HEIGHT 0.65 FEET).
NO FLOW FOR SEVERAL MONTHS.

1919-1951
MAXIMUM DISCHARGE ABOUT 850 SECOND-FEET MARCH 2, 1938, FROM RECORD OF RELEASE FROM BIG DALTON RESERVOIR. NO FLOW FOR SEVERAL MONTHS OF EACH YEAR.

REMARKS: 1949-1950 RECORDS FAIR.
1950-1951 RECORDS GOOD. REGULATION AT BIG DALTON FLOOD CONTROL DAM.
1949-50 DIVERSION, 0.0 ACRE FEET. 1950-51 DIVERSION, 0.0 ACRE FEET.

COOPERATION: RECORDS FURNISHED BY THE UNITED STATES GEOLOGICAL SURVEY, WITH THE EXCEPTION OF 37 DISCHARGE MEASUREMENTS FURNISHED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT IN COOPERATION WITH THE UNITED STATES GEOLOGICAL SURVEY.

DISCHARGE MEASUREMENTS OF BIG DALTON CREEK

NEAR Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 50

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1109	11-10	1355 / 1400	STUNDEN	2.5	0.57	0.86	0.27	0.49		.5	5	0	FC36
1110	12-19		U.S.G.S.	2.2	0.84	0.99	0.45	0.83		.5 / .8	10	-.05	
1111	12-19	1548 / 1552	STUNDEN	3.0	0.52	1.25	0.30	0.65		.5	3	0	FC36
1112	12-20		U.S.G.S.	2.7	0.53	0.57	0.22	0.30		.5	9	0	
1113	12-22	1645 / 1648	STUNDEN	0.60	0.07	1.14	0.13	0.08		.5	1	0	FC36
1114	12-29	0955 / 0957	"	0.50	0.03	1.00	0.05	0.03	FLOATS	1	0		
1115	1-5	1440 / 1443	"	0.50	0.02	1.00	0.04	0.02	"	1	0		
1116	1-10		U.S.G.S.	1.80	0.40	0.21	0.09	0.085		.5	8	0	
1117	1-11	1440 / 1450	STUNDEN	2.5	0.40	0.67	0.22	0.27		.5	5	0	FC36
1118	1-19	1522 / 1525	"	0.6	0.06	0.83	0.08	0.05	SURF.	1	0	"	
1119	1-22	1110 / 1120	"	3.5	2.56	3.48	0.85	8.9		.5 / .8	7	0	"
1120	1-24		U.S.G.S.	2.7	0.57	2.93	0.49	1.67		.5	9	0	
1121	1-24		"	3.0	0.56	2.46	0.49	1.38		.5	11	0	
1122	1-26	0955 / 0900	STUNDEN	1.8	0.25	1.36	0.31	0.34		.5	4	0	FC36
1123	2-2	1615 / 1618	"	0.6	0.04	0.75	0.06	0.03	FLOATS	1	0		
1124	2-6	1330 / 1335	"	2.5	1.10	2.00	0.61	2.2		.5	5	0	FC36
1125	2-9	1042 / 1047	"	2.0	0.32	1.19	0.29	0.38		.5	4	0	"
1126	2-10	1615 / 1619	"	2.0	0.44	1.18	0.38	0.52		.5	4	0	"
1127	2-14		U.S.G.S.	2.6	0.45	0.76	0.22	0.34		.5	8	0	
1128	2-16	1620 / 1623	STUNDEN	0.60	0.12	1.67	0.20	0.20		.5	1	0	FC36
1129	2-23	0930 / 0933	"	0.60	0.12	1.42	0.20	0.17		.5	1	0	"
1130	3-2	0950 / 0953	"	0.60	0.08	1.12	0.14	0.09		.5	1	0	"
1131	3-7		U.S.G.S.	1.40	0.17	0.71	0.10	0.12		.5	11	0	
1132	3-9	0945 / 0948	STUNDEN - BROWN	0.60	0.06	0.83	0.10	0.05		.5	1	0	FC36
1133	3-16	1338 / 1341	STUNDEN	0.50	0.05	1.00	0.09	0.05		.5	1	0	"
1134	3-21		U.S.G.S.	0.6	0.048	2.00	0.08	0.01	FLOATS			0	
1135	3-23	1610 / 1613	STUNDEN	0.5	0.04	1.25	0.08	0.05	"	1	0		
1136	3-31	1520 / 1523	"	0.50	0.04	1.75	0.12	0.07	"	1	0		
1137	4-6	0855 / 0900	"	0.50	0.04	1.50	0.08	0.06	"	1	0		
1138	4-10		U.S.G.S.	1.7	0.24	0.88	0.15	0.21		.5	12	0	
1139	4-13	1442 / 1445	STUNDEN	0.50	0.04	1.50	0.08	0.06	FLOATS	1	0		
1140	4-20	0940 / 0943	"	0.5	0.04	1.50	0.07	0.06	"	1	0		
1141	4-24		U.S.G.S.	0.06	0.005	1.50	0.06	0.006	EST.		0		
1142	4-27	1530 / 1533	STUNDEN	0.5	0.04	1.25	0.08	0.05	FLOATS	1	0		
1143	5-4	0908 / 0910	"	0.50	0.04	1.25	0.07	0.05	"	1	0		
1144	5-9		U.S.G.S.		0.0048		0.05	0.004	"				
1145	5-11	0910 / 0912	STUNDEN	0.50	0.02	1.00	0.04	0.02	"	1	0		
1146	5-18	0800 / 0902	"	0.50	0.02	1.50	0.05	0.03	"	1	0		
1147	5-24		U.S.G.S.	0.6	0.019	0.26	0.03	0.005		.5	4	0	
1148	5-25	1558 / 1600	STUNDEN	0.50	0.01	1.00	0.02	0.01	FLOATS	1	0		
1149	6-1	1027 / 1030	"	0.50	0.01	1.00	0.01	0.01	"	1	0		
1150	6-6		U.S.G.S.	0.5	0.005	0.70	0.005	0.004	EST.				
1151	9-20	1135 / 1145	STUNDEN	3.0	1.18	1.52	0.62	1.8		.5 / .8	6	0	FC36
1152	9-21	1530 / 1538	"	4.0	1.35	1.33	0.65	1.8		.5 / .8	7	0	"
1153	9-28	0950 / 0958	"	4.0	2.42	2.02	0.68	4.9		.5 / .8	6	0	"

DISCHARGE MEASUREMENTS OF BIG DALTON CREEK

NEAR Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 51

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1154	3-1	1140 / 1144	STUNDEN	0.5	0.02	1.50	0.04	0.03	FLOATS	1			
1155	4-25	1400 / 1405	"	0.5	0.025	1.60	0.05	0.04	FLOATS	1			
1156	5-11		USGS				0.02	0.003	EST.				
1157	7-10	1045 / 1050	STUNDEN	0.6	0.08	2.12	0.17	0.17	FLOATS	4			
1158	7-11	1415 / 1418	"	0.8	0.15	2.40	0.24	0.36	FLOATS	5			
1159	7-12	1420 / 1425	"	0.7	0.12	1.83	0.22	0.22	.5	6			FC50H

F. C. Dist. Form 53 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U9-R

Daily discharge, in second-feet of BIG DALTON CREEK near Mouth of Canyon, for the year ending September 30, 1950

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0.02	0.03	0.1	0.05	0.04	0.01	0	0	0
2	0	0	0	0.02	0.03	0.1	0.05	0.04	0.01	0	0	0
3	0	0	0	0.02	0.03	0.1	0.05	0.04	0	0	0	0
4	0	0	0	0.02	0.03	0.1	0.05	0.04	0	0	0	0
5	0	0	0	0.02	0.03	0.1	0.05	0.04	0	0	0	0
6	0	0	0	0.02	1.7	0.1	0.05	0.04	0	0	0	0
7	0	0	0	0.02	0.8	0.1	0.05	0.04	0	0	0	0
8	0	0	0	0.2	0.6	0.1	0.3	0.04	0	0	0	0
9	0	0	0	0.2	0.4	0.06	0.4	0.02	0	0	0	0
10	0	0.5	0	0.1	0.5	0.06	0.2	0.02	0	0	0	0
11	0	0.06	0	0.2	0.4	0.06	0.2	0.02	0	0	0	0
12	0	0.06	0	0.2	0.3	0.06	0.07	0.02	0	0	0	0
13	0	0	0	0.2	0.3	0.06	0.07	0.02	0	0	0	0
14	0	0	0	0.2	0.4	0.06	0.07	0.02	0	0	0	0
15	0	0	0	0.1	0.3	0.06	0.07	0.02	0	0	0	0
16	0	0	0	0.1	0.2	0.06	0.07	0.02	0	0	0	0
17	0	0	0	0.1	0.2	0.04	0.07	0.02	0	0	0	0
18	0	0	0.7	0.06	0.2	0.04	0.07	0.02	0	0	0	0.01
19	0	0	0.8	0.06	0.2	0.04	0.07	0.02	0	0	0	1.3
20	0	0	0.3	0.06	0.2	0.04	0.07	0.02	0	0	0	1.9
21	0	0	0.2	3.0	0.2	0.04	0.07	0.02	0	0	0	1.9
22	0	0	0.05	7.7	0.2	0.04	0.07	0.02	0	0	0	2.8
23	0	0	0.05	6.2	0.2	0.04	0.05	0.02	0	0	0	2.8
24	0	0	0.05	1.4	0.1	0.4	0.05	0.02	0	0	0	2.7
25	0	0	0.05	0.8	0.1	0.4	0.05	0.02	0	0	0	2.8
26	0	0	0.05	0.3	0.1	0.1	0.05	0.02	0	0	0	3.3
27	0	0	0.05	0.2	0.1	0.07	0.05	0.02	0	0	0	3.6
28	0	0	0.05	0.2	0.1	0.07	0.05	0.02	0	0	0	2.7
29	0	0	0.05	0.2		0.07	0.05	0.02	0	0	0	0.3
30	0	0	0.05	0.1		0.07	0.05	0.02	0	0	0	0.3
31	0		0.05	0.1		0.07		0.02		0	0	
	0	0.62	2.50	22.12	7.95	2.81	2.62	0.78	0.02	0	0	26.41
MEAN	0	.021	.806	.714	284	.091	.087	.025	.001	0	0	.880
ACRE-FEET	0	1.2	5.0	44	16	5.6	5.2	1.5	.04	0	0	52

Remarks:

YEAR OR PERIOD MEAN .180
ACRE-FEET 131

76D74M F. C. Dist. 53 9-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U9-R

Daily discharge, in second-feet of BIG DALTON CREEK near Mouth of Canyon, for the year ending September 30, 1951

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.2	0	0	0	0	0	0	0	0	0	0	0
2	0.1	0	0	0	0	0	0	0	0	0	0	0
3	0.1	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	0.2	0	0
11	0	0	0	0.1	0	0	0	0	0	0.3	0	0
12	0	0	0	0	0	0	0	0	0	0.3	0	0
13	0	0	0	0	0	0	0	0	0	0.3	0	0
14	0	0	0	0	0	0	0	0	0	0.1	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	0.1	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	0.1	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0.1		0	0	0	0	0	0	0
31	0		0	0		0		0		0	0	
	0.4	0	0	0.3	0	0	0.1	0	0	1.2	0	0
MEAN	0.01	0	0	0.01	0	0	0.003	0	0	0.04	0	0
ACRE-FEET	0.8	0	0	0.6	0	0	0.2	0	0	2.4	0	0

Remarks:

YEAR OR PERIOD MEAN 0.005
ACRE-FEET 3.2

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 IRON PIPE STILLING WELL. AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1949 TO SEPTEMBER 30, 1951.

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, 1951.

EXTREMES OF DISCHARGE:

1949-50
MAXIMUM 232 SECOND-FEET, DECEMBER 18.
MINIMUM NO FLOW MOST OF YEAR.

1950-51
MAXIMUM 175 SECOND-FEET, JANUARY 11.
MINIMUM NO FLOW MOST OF YEAR.

1940-51
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 50

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION 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	11-10	1040 / 1050	STUNDEN	22.0	8.74	2.68	2.31	23.4		.5/.6	8	-.02	FC36
183	12-18	2205 / 2220	"	36.0	35.1	4.50	3.17	158.		.6	10	-.06	"
184	12-19	1701 / 1710	STUNDEN - DAL CORSO	TWO CHANNELS			2.13	4.0		.5	6	-.02	"
185	1-31	1242 / 1250	STUNDEN - MOON	"	"		2.03	1.5		.5	12	0	"
186	2-2	0850 / 0855	STUNDEN	"	"		2.02	1.6		.5	6	0	"
187	2-6	0850 / 0900	"	33.0	22.3	3.95	2.85	88.0		.5/.6	9	+.03	"
188	2-6	1715 / 1720	"	14.0	3.55	1.18	2.10	4.2		.5	4	0	"
189	2-23	1552 / 1602	"	24.0	6.52	1.52	2.15	9.9		.5	9	+.02	"
190	2-24	1130 / 1140	WADDICOR - KASIMOFF	20.3	9.32	2.37	2.32	22.1		.6	9		FC37
191	3-24	2335 / 2346	STUNDEN - DAL CORSO	25.0	11.6	2.34	2.33	27.2		.5/.6	8	-.02	FC36

DISCHARGE MEASUREMENTS OF DALTON WASH

~~AT~~ NEAR Merced Avenue DURING THE YEAR ENDING SEPTEMBER 30, 19 51

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
192	1-11	1650 / 1708	STUNDEN	28.0	34.8	5.03	3.29	175.		FLOATS	14	0	
193	1-19	0811 / 0819	"	21.0	7.22	1.56	2.15	11.3		.5	8	-.02	FC36
194	1-29	1325 / 1335	"	26.0	19.4	4.37	2.75	84.8		FLOATS	10	0	
195	4-28	2305 / 2315	"	22.0	6.50	1.86	2.15	12.1		.5/.6	12	0	FC36

F. C. Dist. Form 52 4-48

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F274R

Daily discharge, in second-feet of DALTON WASH at Merced Avenue, for the year ending September 30, 19 50

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	1.5	0	0	0	0	0	0	0
2	0	0	0	0	1.6	0.2	0	0	0	0	0	0
3	0	0	0	0	1.6	2.5	0	0	0	0	0	0
4	0	0	0	0	1.5	0	0	0	0	0	0	0
5	0	0	0	0	1.4	0	0	0	0	0	0	0
6	0	0	0	0.4	3.3	0	0	0	0	0	0	0
7	0	0	0	0.2	0	0	0	0	0	0	0	0
8	0	0	0	4.5	0	0	0	0	0	0	0	0
9	0	0	0	0.1	0	0	0.4	0	0	0	0	0
10	0	8.0	0	0	0.8	0	0	0	0	0	0	0
11	0	0.5	0	5.6	0	0	0	0	0	0	0	0
12	0	0	0	0.9	0	0	0	+	0	0	0	0
13	0	0	0	+	0	0	0	1.3	0	0	0	0
14	0	0	0	0	0	0	0	0.6	0	0	0	0
15	0	0	0	0	0	0	0	1.3	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	3.8	0	0	0	0	0	0	0	0	0
19	0	0	5.4	0	0	0	0	0	0	0	0	0
20	0	0	0	0.1	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	6.5	0	0	0	0	0	0	0
24	0	0	0	0	20	7.3	0	0	0	0	0	0
25	0	0	0	0	0	2.1	0	0	0	0	0	0
26	0	0	0	0	0	0.3	0	0	0	0	0	0
27	0	0	0	0.6	0	0.8	0	0	0	0	0	0
28	0	0	0	1.5	0	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	1.4		0		0		0	0	
	0	8.5	43.4	17.4	67.9	13.2	0.4	3.2	0	0	0	0
MEAN	0	0.28	1.40	0.56	2.42	0.43	.013	.103	0	0	0	0
ACRE-FEET	0	17.	86.	35.	135.	26.	0.8	6.3	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 0.42
ACRE-FEET 306.

TODICM F. C. Dist. 52 9-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

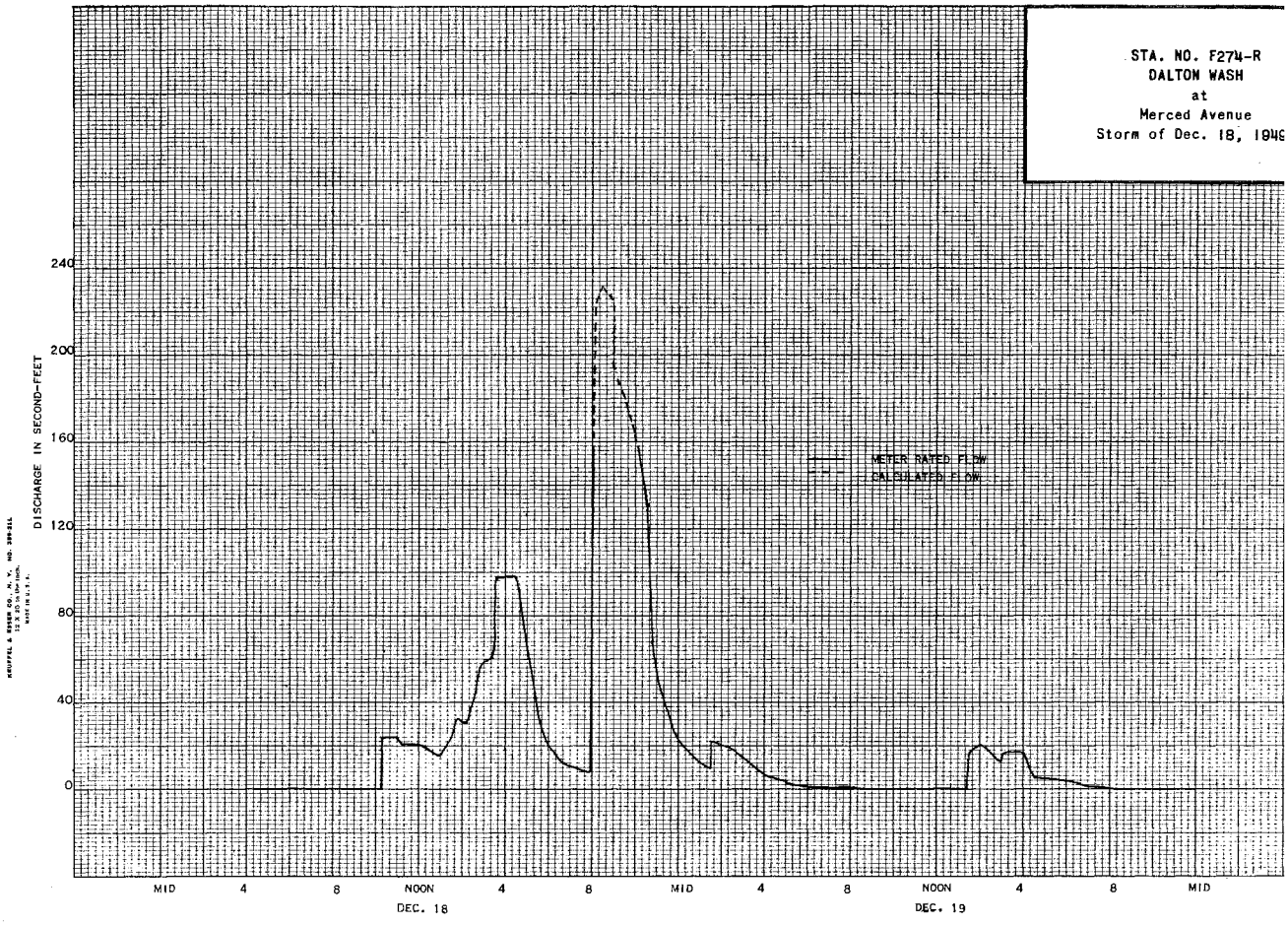
Sta. No. F274-R

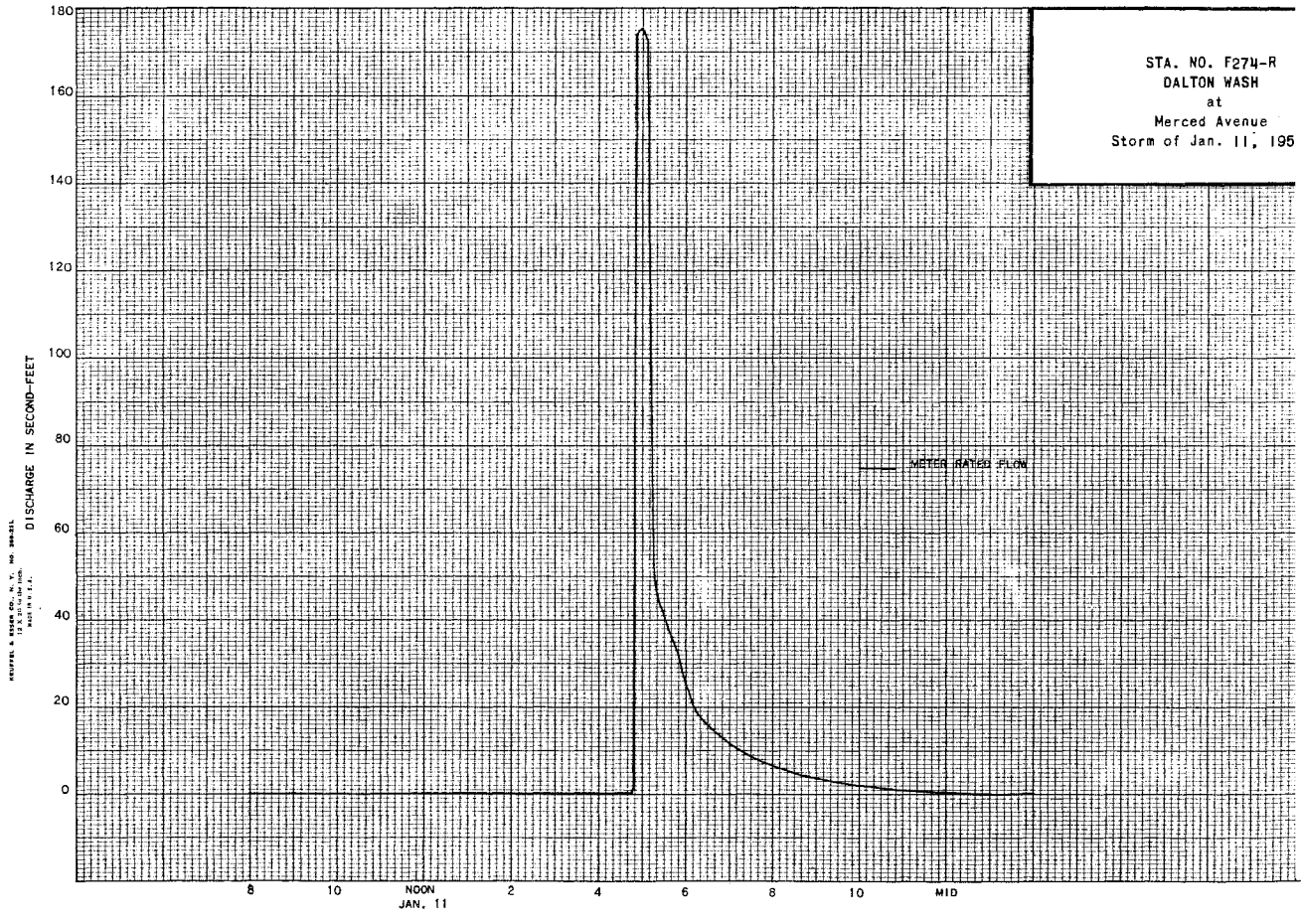
Daily discharge, in second-feet of DALTON WASH at Merced Avenue, for the year ending September 30, 19 51

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	1.9	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	5.4	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	0.8	0	7.8	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	5.3	0	0	0	0	0
29	0	0	0	11		0	0.1	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	24.2	0	1.9	5.6	0	0	0	0	0
MEAN	0	.027	0	0.78	0	0.61	0.18	0	0	0	0	0
ACRE-FEET	0	1.6	0	48.	0	3.8	11.	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN .088
ACRE-FEET 64.


STA. NO. F274-R
DALTON WASH
at
Merced Avenue
Storm of Dec. 18, 1948
DISCHARGE IN SECOND-FEET
240
200
160
120
80
40
0
METER RATED FLOW
CALCULATED FLOW
MID
4
8
NOON
4
8
MID
4
8
NOON
4
8
MID
DEC. 18
DEC. 19


STA. NO. F274-R
DALTON WASH
at
Merced Avenue
Storm of Jan. 11, 195
DISCHARGE IN SECOND-FEET
180
160
140
120
100
80
60
40
20
0
METER RATED FLOW
8
10
NOON
2
4
6
8
10
MID
JAN. 11

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, 1949 TO SEPTEMBER 30, 1951.

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, 1951.

EXTREMES OF DISCHARGE:
1949-50
MAXIMUM 36 SECOND-FEET, FEBRUARY 6.
MINIMUM NO FLOW AT VARIOUS TIMES.
1950-51
MAXIMUM 6.7 SECOND-FEET, JANUARY 29.
MINIMUM 0.01 SECOND-FBOT, SEVERAL DAYS IN AUGUST.
1930-51 (STATIONS F111-R, F111B-R AND F111C-R)
MAXIMUM DISCHARGE NOT DETERMINED MARCH 2, 1938.
MAXIMUM DISCHARGE OF RECORD 14,800 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~~ NEAR below Mill Creek DURING THE YEAR ENDING SEPTEMBER 30, 1950

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METH. OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
117	10-5	0945	TURNER				4.41	0.09		VOL.			
118	10-13	1154	TURNER - REINHARD				4.52	0.11		"			
119	10-20	1122 / 1125	TURNER	0.90	0.32	0.97	4.70	0.31		.5	1	0	FC44
120	10-26	1000 / 1003	"	0.90	0.33	0.94	4.73	0.31		.5	2	0	"
121	11-2	1254 / 1300	TURNER - LINDSAY	0.90	0.34	1.06	4.72	0.36		.5	2	0	"
122	11-10	1010 / 1023	KASIMOFF - ROGERS	12.5	7.83	1.28	5.17	10.0		.6	11	0	"
123	11-17	0940 / 0946	TURNER	2.3	0.84	0.68	4.79	0.57		.5	4	0	"
124	11-23	1019 / 1025	"	2.3	0.85	0.70	4.78	0.59		.5	5	0	"
125	12-1	1000 / 1006	"	2.3	0.85	0.79	4.79	0.67		.5	5	0	"
126	12-8	0944 / 0950	"	3.5	1.64	1.28	4.90	2.1		.6	5	0	"
127	12-15	0939 / 0945	"	3.5	1.18	0.80	4.83	0.95		.5	5	0	"
128	12-18	1204 / 1215	KASIMOFF - ROGERS	12.0	6.05	1.32	5.11	8.0		.6	10	+.03	"
129	12-18	1425 / 1437	"	12.5	8.02	1.42	5.18	11.4		.6	10	0	"
130	12-18	1933 / 1948	"	13.0	8.80	1.43	5.22	12.6		.6	11	-.01	"
131	12-19	0452 / 0506	"	15.5	10.1	1.42	5.26	14.4		.6	12	-.02	"
132	12-19	0845 / 0859	"	12.5	8.05	1.38	5.17	11.1		.6	11	-.01	"
133	12-19	1240 / 1254	"	12.0	7.30	1.31	5.14	9.6		.6	11	0	"
134	12-21	1009 / 1015	TURNER	5.3	2.74	0.99	4.93	2.7		.6	6	0	"
135	12-29	0940 / 0946	"	5.5	1.83	0.71	4.85	1.3		.6	6	0	"
136	1-5	1434 / 1440	"	5.3	1.89	0.64	4.84	1.2		.6	6	0	"
137	1-8	2037 / 2051	KASIMOFF - ROGERS	12.5	7.73	1.45	5.17	11.2		.6	11	0	"
138	1-12	1455 / 1501	TURNER	5.5	3.15	1.43	5.01	4.5		.6	6	0	FC43
139	1-18	1351 / 1400	"	5.5	2.60	1.23	4.94	3.2		.6	7	0	FC44
140	1-26	1014 / 1020	"	5.5	2.56	0.98	4.92	2.5		.6	7	0	"
141	2-1	1039 / 1045	"	5.7	2.47	1.09	4.92	2.7		.6	7	0	"
142	2-6	0723 / 0736	KASIMOFF - ROGERS	14.5	9.63	1.50	5.23	14.4		.6	13	+.01	"
143	2-6	1038 / 1053	"	21.0	18.5	1.88	5.43	34.8		.6	12	+.02	"
144	2-6	1122 / 1136	"	20.0	18.2	1.82	5.44	33.1		.6	11	-.01	"
145	2-6	1332 / 1345	"	19.0	15.9	1.92	5.37	30.5		.6	11	0	"
146	2-6	1353 / 1406	"	19.0	16.0	1.60	5.36	25.6		.6	10	0	"
147	2-6	1945 / 2003	"	19.0	15.3	1.90	5.36	29.0		.6	11	-.01	"
148	2-9	1004 / 1010	TURNER	5.8	3.79	1.66	4.99	6.3		.6	7	0	"
149	2-16	1039 / 1045	"	5.8	3.07	1.27	4.91	3.9		.6	7	0	"
150	2-23	1035 / 1041	"	5.7	2.68	1.12	4.86	3.0		.6	7	0	"
151	3-1	1030 / 1036	"	5.5	2.95	0.88	4.84	2.6		.6	6	0	"
152	3-8	1256 / 1305	"	5.8	2.48	1.01	4.84	2.5		.6	7	0	"
153	3-16	0950 / 0959	"	5.8	2.35	0.94	4.83	2.2		.6	7	0	"
154	3-22	1239 / 1245	"	5.7	2.36	0.89	4.82	2.1		.6	7	0	"
155	3-29	0944 / 0950	"	5.8	2.82	0.92	4.86	2.6		.6	6	0	"
156	4-5	1050 / 1056	"	5.7	2.62	0.80	4.83	2.1		.6	7	0	"
157	4-13	1250 / 1256	"	5.7	3.32	1.17	4.91	3.9		.6	6	0	"
158	4-20	1319 / 1325	"	5.7	2.63	0.84	4.86	2.2		.6	6	0	"
159	4-27	0939 / 0945	"	4.7	2.17	1.01	4.88	2.2		.6	5	0	"
160	5-3	1000 / 1006	"	4.8	2.24	0.98	4.88	2.2		.6	5	0	"
161	5-10	0945 / 0951	"	4.7	1.94	0.82	4.82	1.6		.6	5	0	"
162	5-18	1405 / 1411	"	4.1	1.54	1.10	4.81	1.7		.6	4	0	"
163	5-25	0954 / 1000	"	3.9	1.33	1.05	4.79	1.4		.6	4	0	"
164	5-31	1355 / 1401	"	3.6	0.84	0.67	4.71	0.56		.5	4	0	"
165	6-7	0935 / 0941	"	3.6	0.90	0.83	4.72	0.75		.5	4	0	"
166	6-15	0930 / 0936	"	2.4	0.63	0.90	4.69	0.57		.5	5	0	FC43
167	6-21	1009 / 1015	"	2.3	0.52	0.71	4.62	0.37		.5	4	0	FC44
168	6-27	1010 / 1016	"	2.3	0.47	0.55	4.61	0.26		.5	5	0	"
169	7-6	1000	"				4.44	0.09		VOL.			
170	7-6	1012 / 1015	"	0.7	0.11	0.82	4.44	0.09		.5	5	0	FC44
171	7-12	1030	"				4.41	0.08		VOL.			
172	7-19	0930	"				4.36	0.07		"			
173	7-26	1350	"				4.14	0.02		"			
174	8-2	0930	"				4.32	0.07		"			
175	8-9	0930	"				4.27	0.07		"			
176	8-16	0930	"					0.06		"			
177	8-23	1005	"					0.05		"			
178	8-30	0915	"					0.05		"			
179	9-6	1015	SPENCER				3.90	0.06		"			
180	9-13	0910	"				4.33	0.08		"			
181	9-20	1043	"				4.36	0.07		"			
182	9-27	1130 / 1200	LUCE				4.30	0.06		"			

DISCHARGE MEASUREMENTS OF BIG TUJUNGA CREEK

~~AT~~ NEAR Below Mill Creek DURING THE YEAR ENDING SEPTEMBER 30, 19 51

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
183	10-4	1320 / 1321	STUNDEN				4.29	0.05		VOL.			
184	10-11	1640	"				4.29	0.05		"			
185	10-18	1030 / 1033	TURNER	0.80	0.14	0.71	4.41	0.10		.5	2	0	FC44
186	10-25	0927 / 0930	"	0.80	0.16	1.00	4.48	0.16		.5	1	0	"
187	11-1	1346 / 1349	"	0.80	0.18	1.00	4.51-	0.18		.5	1	0	"
188	11-8	0910 / 0913	"	0.80	0.21	1.09	4.53	0.23		.5	1	0	"
189	11-15	0910 / 0918	"	2.4	0.64	0.73	4.67	0.47		.5	5	0	"
190	11-22	0934 / 0940	"	2.4	0.68	0.78	4.68	0.53		.5	5	0	"
191	11-29	0945 / 0951	"	2.4	0.65	0.71	4.68	0.46		.5	5	0	"
192	12-7	1350 / 1356	"	2.4	0.64	0.78	4.70	0.50		.6	5	0	"
193	12-14	0920 / 0926	"	2.4	0.68	0.84	4.71	0.57		.6	5	0	"
194	12-20	1000 / 1006	"	2.4	0.70	0.88	4.71	0.62		.6	5	0	"
195	12-27	1215 / 1221	"	2.4	0.70	0.93	4.72-	0.65		.6	5	0	"
196	1-3	1329 / 1335	"	2.4	0.70	0.96	4.72	0.67		.6	5	0	"
197	1-10	0959 / 1005	"	2.4	0.71	0.93	4.72	0.66		.6	5	0	"
198	1-11	0954 / 1000	"	2.4	0.96	1.15	4.76	1.1		.6	5	0	"
199	1-17	0934 / 0940	"	2.4	0.94	1.03	4.75	0.97		.6	5	0	"
200	1-24	0954 / 1000	"	2.4	0.90	0.94	4.73	0.85		.6	5	0	"
201	1-31	0950 / 0956	"	2.8	1.14	1.05	4.76	1.2		.6	5	0	"
202	2-7	0930 / 0936	THOMAS-TURNER	2.8	0.95	0.93	4.73	0.88		.6	5	0	"
203	2-14	1024 / 1030	TURNER	2.8	0.90	0.96	4.73	0.86		.6	5	0	"
204	2-21	1220 / 1226	"	2.8	0.95	0.94	4.74	0.89		.6	5	0	"
205	2-28	1419 / 1425	"	2.8	1.20	1.42	4.81	1.7		.6	5	0	"
206	3-8	0929 / 0935	TURNER	2.8	1.16	1.21	4.80	1.4		.6	5	0	"
207	3-15	0925 / 0931	"	2.8	1.10	1.09	4.78	1.2		.6	5	0	"
208	3-22	1034 / 1040	"	2.8	1.09	0.92	4.77	1.0		.6	5	0	"
209	3-30	1309 / 1315	"	2.8	1.08	0.93	4.76	1.0		.6	5	0	"
210	4-5	0934 / 0940	"	2.8	1.17	1.11	4.79	1.3		.6	5	0	"
211	4-12	0954 / 1000	"	2.8	1.00	0.84	4.73	0.84		.6	5	0	"
212	4-18	1010 / 1016	"	2.8	1.00	0.83	4.72	0.83		.6	5	0	"
213	4-26	0914 / 0920	"	2.8	1.45	1.59	4.84	2.3		.6	5	0	"
214	5-1	1255 / 1301	SCHOR-TURNER	2.5	1.17	1.45	4.80+	1.7		.6	5	0	"
215	5-3	1034 / 1040	TURNER	2.4	0.93	1.29	4.78	1.2		.6	5	0	"
216	5-10	1004 / 1010	"	2.1	0.63	1.05	4.71-	0.66		.6	4	0	"
217	5-18	1054 / 1100	"	2.1	0.64	0.95	4.69	0.61		.6	4	0	"
218	5-24	1034 / 1040	"	2.1	0.59	0.76	4.66+	0.45		.6	4	0	"
219	5-31	1254 / 1300	"	2.1	0.47	0.43	4.54	0.20		.6	4	0	"
220	6-8	0919 / 0925	"	2.1	0.57	0.72	4.67	0.41		.6	4	0	"
221	6-13	0944 / 0950	"	2.1	0.50	0.46	4.57	0.23		.6	4	0	"
222	6-21	1010 / 1013	"	0.7	0.15	0.87	4.50	0.13		.6	1	0	"
223	6-28	1030	"				4.35	0.07		VOL.			
224	7-6	0840	"				4.16	0.06		"			
225	7-12	1040	THOMAS					0.04		"			
226	7-18	0845	TURNER					0.04		"			
227	7-26	0940	"					0.03		"			
228	8-2	1115	"					0.01		"			
229	8-9	1105	"					0.03		"			
230	8-16	0955	"					0.03		"			
231	8-23	1000	"					0.04		"			
232	8-30	1105	TURNER-HOLLERON					0.06		"			
233	9-7	0936	HOLLERON					0.05		"			
234	9-13	1038	"					0.04		"			
235	9-19	1005	TURNER					0.04		"			
236	9-27	0900	"					0.05		"			

F. C. Dist. Form 52 4-48

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F111C

Daily discharge, in second-feet of BIG TUJUNGA CREEK below Mill Creek, for the year ending September 30, 1950

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.1	0.4	0.6	1.2	2.4	2.7	2.4	2.1	0.6	0.1	0.1	0
2	0.1	0.4	0.6	1.2	2.4	2.7	2.2	2.1	0.6	0.1	d +	0
3	0.1	0.4	0.6	1.2	2.4	2.7	2.1	2.2	0.5	0.1	|	0
4	0.1	0.4	0.6	1.2	2.4	2.7	2.1	2.2	0.4	0.1	|	+
5	0.1	0.4	0.6	1.2	2.7	2.4	2.1	2.2	0.2	0.1	|	|
6	0.1	0.4	0.7	1.1	21	2.4	2.1	2.1	0.5	0.1	|	|
7	0.1	0.5	0.8	1.2	14	2.4	2.2	2.1	0.6	0.1	|	|
8	0.1	0.6	1.8	4.2	8.1	2.4	9.4	2.1	0.5	0.1	|	|
9	0.1	0.9	1.5	8.2	6.1	2.2	11	1.8	0.3	0.1	|	|
10	0.1	6.2	1.1	3.4	6.4	2.2	5.8	1.6	0.2	0.1	|	|
11	0.1	1.2	1.1	4.8	6.7	2.2	4.5	1.5	0.3	0.1	|	|
12	0.1	0.7	0.8	4.8	5.5	2.2	4.0	1.5	0.3	0.1	|	|
13	0.1	0.7	0.8	3.1	4.3	2.2	3.8	1.5	0.4	0.1	|	|
14	0.1	0.6	0.8	3.4	4.0	2.2	3.4	1.6	0.4	+	|	+
15	0.1	0.6	0.8	3.1	3.8	2.2	2.9	1.6	0.4	d |	d +	0.1
16	0.1	0.6	0.9	2.9	3.6	2.2	2.7	1.5	0.4	d |	0	0.1
17	0.1	0.6	0.9	2.9	3.6	2.2	2.7	1.5	0.4	|	0	0.1
18	0.2	0.5	6.8	3.1	3.6	2.2	2.2	1.6	0.4	|	0	0.1
19	0.2	0.5	9.3	3.6	3.4	2.1	2.2	1.5	0.3	|	0	0.1
20	0.3	0.6	3.8	3.6	3.4	2.1	2.2	1.4	0.2	|	0	+
21	0.3	0.6	2.4	3.6	3.1	2.1	e 2.2	1.2	0.2	d |	0	|
22	0.3	0.6	2.1	3.1	3.1	2.1	2.2	1.1	0.2	|	0	|
23	0.3	0.6	1.9	2.9	3.1	2.1	2.2	1.1	0.4	|	d +	|
24	0.3	0.5	1.8	2.7	3.1	4.0	2.2	1.2	0.6	|	|	|
25	0.3	0.5	1.6	2.4	3.1	7.1	2.2	1.2	0.4	|	|	|
26	0.3	0.5	1.5	2.2	2.9	3.6	e 2.2	1.1	0.2	|	|	|
27	0.3	0.6	1.4	2.1	2.9	3.1	2.2	0.9	0.2	|	|	|
28	0.3	0.6	1.4	2.4	2.7	2.9	2.2	0.7	0.1	|	|	+
29	0.3	0.6	1.4	3.8	|	2.7	2.2	0.7	0.1	|	d +	0.1
30	0.3	0.6	1.2	3.1	|	2.7	2.1	0.5	0.1	d |	0	0.1
31	0.3	|	1.2	2.7	|	2.4	|	0.6	|	+ |	0	|
	5.7	22.9	52.8	90.4	133.8	81.4	93.9	46.0	10.4	1.3	0.1	0.7
MEAN	0.18	0.76	1.70	2.92	4.78	2.63	3.13	1.48	0.35	0.04	.003	.023
ACRE-FEET	11.	45.	105.	179.	265.	161.	186.	91.	21.	2.6	0.2	1.4

Remarks:

YEAR MEAN 1.48
OR
PERIOD ACRE-FEET 1070.

F-60(1M) F. C. Dist. 52 9-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

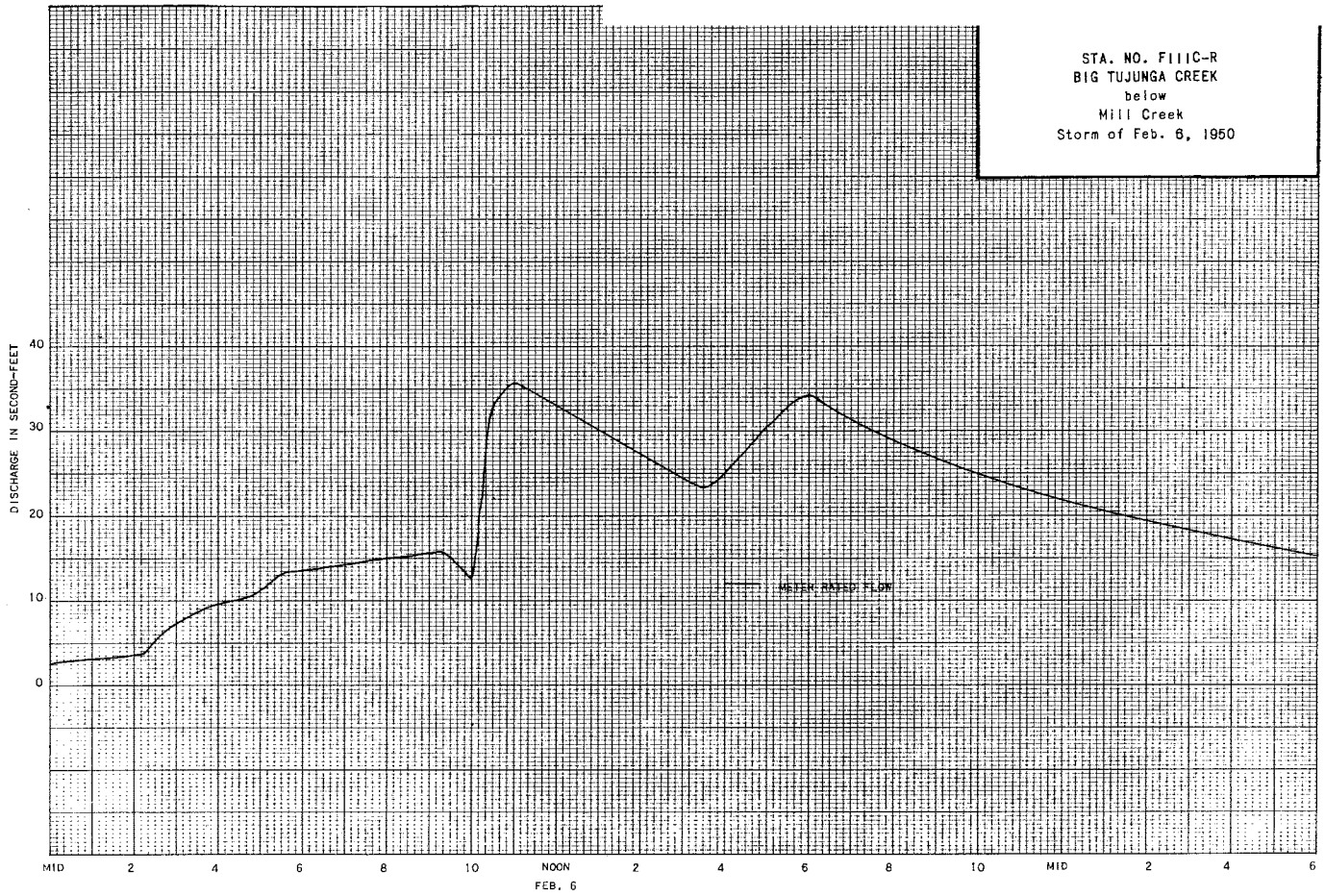
Sta. No. F111C-2

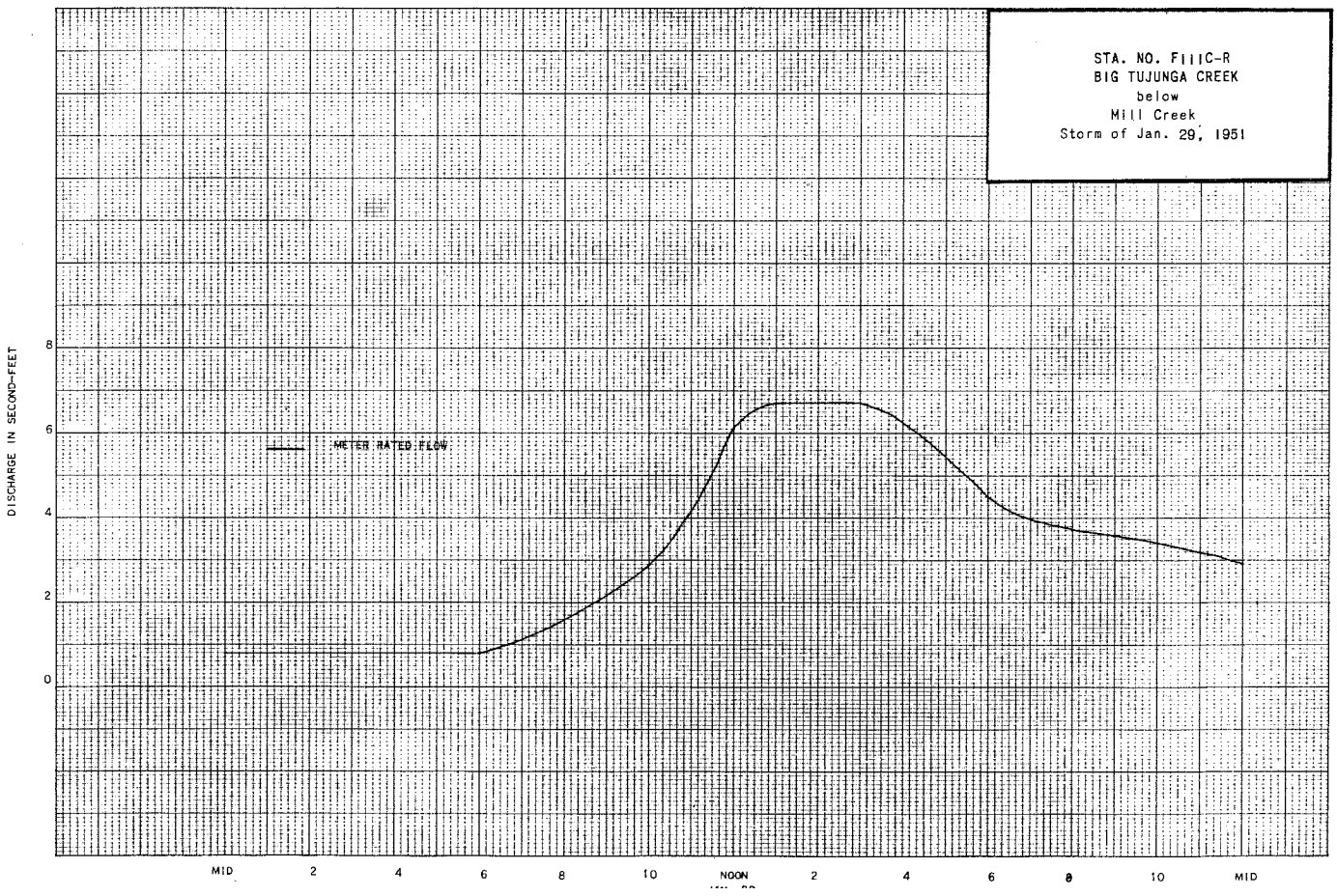
Daily discharge, in second-feet of BIG TUJUNGA CREEK below Mill Creek, for the year ending September 30, 1951

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.1	0.2	0.5	0.7	1.1	1.9	1.1	1.8	0.3	0.07	0.01	0.06
2	0.1	0.2	0.6	0.7	1.1	1.9	0.9	1.5	0.3	0.06	0.01	0.06
3	+	0.2	0.6	0.7	0.9	1.8	0.9	1.1	0.2	0.06	0.01	0.05
4	+	0.2	0.5	0.7	0.9	1.6	1.4	0.9	0.2	0.06	0.02	0.05
5	0.1	0.2	0.5	0.8	0.9	1.5	1.4	0.9	0.2	0.06	0.02	0.05
6	0.1	0.2	0.5	0.7	0.9	1.5	1.2	0.8	0.3	0.06	0.02	0.05
7	0.1	0.2	0.5	0.7	0.9	1.5	1.4	0.8	0.3	0.06	0.03	0.05
8	0.1	0.2	0.6	0.7	0.9	1.4	1.2	0.7	0.3	0.05	0.03	0.05
9	0.1	0.2	0.6	0.7	0.9	1.4	0.9	0.7	0.3	0.05	0.03	0.05
10	0.1	0.2	0.6	1.2	0.8	1.4	0.9	0.6	0.3	0.05	0.03	0.04
11	0.1	0.3	0.6	1.8	0.8	1.2	0.8	0.6	0.2	0.04	0.03	0.04
12	0.1	0.4	0.6	1.5	0.9	1.2	0.7	0.6	0.2	0.04	0.03	0.04
13	0.1	1.1	0.6	0.9	0.8	1.2	0.7	0.6	0.1	0.04	0.03	0.04
14	0.1	1.1	0.6	0.8	0.8	1.2	0.7	1.1	0.1	0.04	0.03	0.04
15	0.1	0.6	0.6	0.8	0.8	1.2	0.7	1.1	0.1	0.04	0.03	0.04
16	0.1	0.5	0.6	1.1	0.8	1.2	0.8	0.8	0.1	0.04	0.03	0.04
17	0.1	0.5	0.6	0.9	0.8	1.2	0.8	0.6	0.1	0.04	0.03	0.04
18	0.1	0.6	0.6	0.9	0.9	1.2	0.8	0.6	0.1	0.04	0.03	0.04
19	0.1	1.2	0.6	1.2	0.9	1.1	0.9	0.4	0.1	0.04	0.03	0.04
20	0.1	0.9	0.6	1.1	0.9	1.1	0.9	0.3	0.1	0.04	0.04	0.04
21	0.1	0.7	0.6	1.1	0.9	1.1	0.9	0.5	0.1	0.04	0.04	0.04
22	0.1	0.6	0.6	0.9	1.2	1.1	0.8	0.5	0.1	0.03	0.04	0.04
23	0.1	0.6	0.6	0.9	1.5	1.1	0.7	0.4	0.1	0.03	0.04	0.05
24	0.1	0.6	0.6	0.8	1.4	1.1	0.7	0.3	0.1	0.03	0.04	0.05
25	0.2	0.5	0.6	0.8	1.2	0.9	1.2	0.3	0.04	0.03	0.05	0.05
26	0.2	0.5	0.6	0.8	1.4	1.1	1.9	0.2	0.03	0.03	0.05	0.05
27	0.3	0.5	0.7	0.8	1.8	1.2	1.4	0.2	0.03	0.03	0.05	0.05
28	0.3	0.4	0.7	0.6	1.6	1.2	2.0	0.2	0.07	0.03	0.06	0.05
29	0.2	0.4	0.6	3.3	|	1.1	4.3	0.2	0.07	0.02	0.06	0.06
30	0.2	0.4	0.6	1.9	|	1.1	2.2	0.2	0.07	0.02	0.06	0.06
31	0.3	|	0.7	1.4	|	1.1	|	0.3	|	0.02	0.06	|
	3.9	14.4	18.4	32.1	23.7	39.8	35.2	19.8	4.61	1.29	1.07	1.41
MEAN	0.13	0.48	0.59	1.04	1.02	1.28	1.17	0.64	0.15	0.04	0.03	0.05
ACRE-FEET	7.7	29.	36.	64.	57.	79.	70.	39.	9.1	2.6	2.1	2.8

Remarks: + = 0.05 c.f.s. or less.

YEAR MEAN 0.55
OR
PERIOD ACRE-FEET 398.


STA. NO. F111C-R
BIG TUJUNGA CREEK
below
Mill Creek
Storm of Feb. 6, 1950
DISCHARGE IN SECOND-FEET
0
10
20
30
40
METER RATED FLOW
MID
2
4
6
8
10
NOON
2
4
6
8
10
MID
2
4
6
FEB. 6


STA. NO. F111C-R
BIG TUJUNGA CREEK
below
Mill Creek
Storm of Jan. 29, 1951
DISCHARGE IN SECOND-FEET
0
2
4
6
8
METER RATED FLOW
MID
2
4
6
8
10
NOON
2
4
6
8
10
MID

STATION F111B-R

BIG TUJUNGA CREEK above Edison Road

LOCATION: WATER-STAGE RECORDER, LAT. 34°18'18", LONG. 118°09'32", ON THE RIGHT (NORTHWEST) BANK 400 FEET ABOVE CROSSING OF EDISON ROAD, ABOUT 4 MILES UPSTREAM FROM BIG TUJUNGA DAM. ELEVATION OF GAGE ABOUT 2410 FEET. FORMER STATION F111-R WAS ABOUT 300 FEET DOWNSTREAM. STATION F111C-R LOCATED 1.3 MILES UPSTREAM REPLACES F111B-R.

DRAINAGE AREA: 67 SQUARE MILES.

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

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

RECORDER: INSTALLED ON NOVEMBER 30, 1930 AT STATION F111-R; REMOVED AUGUST 17, 1932. INSTALLED ON SEPTEMBER 15, 1932 AT STATION F111B-R OVER A 24-INCH DIAMETER CORRUGATED IRON PIPE STILLING WELL. AN AU CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1949 TO MAY 18, 1950.

REGULATION: 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, 1951.

EXTREMES OF DISCHARGE:
1949-50
MAXIMUM 40 SECOND-FEET, FEBRUARY 6.
MINIMUM NO FLOW AT VARIOUS TIMES.
1930-50 (STATIONS F111-R AND F111B-R).
MAXIMUM DISCHARGE NOT DETERMINED MARCH 2, 1938.
MAXIMUM DISCHARGE OF RECORD, 14,800 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~~ NEAR above Edison Road DURING THE YEAR ENDING SEPTEMBER 30, 1950

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
539	10-13	1020 / 1023	TURNER - REINHARD	0.60	0.18	1.22	5.92	0.22		.5	1	0	FC40
540	11-2	0955 / 0958	TURNER	1.00	0.38	1.24	5.98	0.47		.6	2	0	FC43
541	12-8	1216 / 1222	"	5.2	3.48	1.01	6.14	3.5		.6	7	+.01	"
542	1-5	1019 / 1025	"	4.4	2.60	0.77	6.07	2.0		.6	5	0	FC40
543	1-12	1116 / 1125	"	12.0	5.55	1.19	6.26	6.6		.6	7	0	"
544	2-6	1603 / 1619	KASIMOFF - ROGERS	19.5	15.8	1.80	6.71	28.4		.6	11	0	"
545	3-8	0955 / 1004	TURNER	5.0	3.14	0.96	6.12	3.0		.6	7	0	"
546	4-20	0955 / 1004	"	5.1	3.12	0.87	6.12	2.7		.6	7	0	"

F. C. Dist. Form 52 4-48

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F111B-R

Daily discharge, in second-feet of BIG TUJUNGA CREEK above Edison Road, for the year ending September 30, 1950

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.1	0.5	1.8	2.1	3.8	3.2	2.7	2.7				
2	0.1	0.5	1.8	2.1	3.8	3.2	2.6	2.7				
3	0.1	0.5	1.8	2.0	3.6	3.2	2.6	2.7				
4	0.1	0.5	1.8	2.0	3.6	3.2	2.4	2.7				
5	0.1	0.5	1.9	2.0	3.6	3.2	2.4	2.4				
6	0.2	0.5	1.9	2.0	23	3.2	2.4	2.3				
7	0.2	0.6	2.1	2.0	14	3.2	2.6	2.3				
8	0.2	0.6	3.1	6.1	7.4	3.1	11	2.1				
9	0.2	0.9	2.4	11	5.6	3.1	14	2.1				
10	0.2	1.0	2.0	5.1	5.8	3.1	6.4	2.0				
11	0.2	2.7	2.0	7.2	6.1	3.1	5.4	1.9				
12	0.2	1.9	2.0	7.0	5.1	2.9	4.6	1.8				
13	0.2	1.6	2.0	5.1	4.4	2.7	4.1	1.8				
14	0.2	1.4	2.0	4.8	4.1	2.7	3.9	1.8				
15	0.2	1.3	2.0	4.6	3.9	2.7	3.6	1.8				
16	0.2	1.1	2.1	4.4	3.9	2.7	3.2	1.8				
17	0.3	1.1	2.1	4.1	3.8	2.7	3.2	1.8				
18	0.4	1.2	11	4.4	3.6	2.7	3.1	Station abandoned				
19	0.5	1.2	12	4.6	3.4	2.6	2.9					
20	0.6	1.2	5.1	4.4	3.4	2.6	2.7					
21	0.6	1.4	3.6	4.4	3.4	2.6	2.7					
22	0.5	1.5	2.9	4.4	3.4	2.6	2.7					
23	0.5	1.5	2.7	4.4	3.2	2.6	2.9					
24	0.4	1.5	2.4	4.1	3.2	5.2	2.9					
25	0.5	1.5	2.3	3.9	3.2	8.0	2.7					
26	0.5	1.5	2.1	3.8	3.2	4.1	2.7					
27	0.5	1.6	2.1	3.6	3.2	3.6	2.9					
28	0.5	1.6	2.1	4.4	3.2	3.2	2.9					
29	0.6	1.6	2.1	5.6		3.1	2.7					
30	0.5	1.8	2.1	4.6		2.9	2.7					
31	0.5		2.1	3.9		2.9						
	10.1	45.2	69.4	134.1	142.1	99.9	113.6					
MEAN	0.33	1.51	2.88	4.33	5.08	3.22	3.79	Inc.				
ACRE-FEET	20.	90.	177.	266.	282.	198.	225.	Inc.				

Remarks:

YEAR OR PERIOD MEAN Incomplete
ACRE-FEET Incomplete

STATION F168-R

BIG TUJUNGA CREEK below Big Tujunga Dam

LOCATION: WATER-STAGE RECORDER, LAT. 34°17'20" LONG. 118°11'38", ON THE RIGHT (NORTHWEST) BAND, 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, 1949 TO SEPTEMBER 30, 1951.

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, 1951.

EXTREMES OF DISCHARGE:

1949-50
MAXIMUM 5.4 SECOND-FEET JULY 2 TO JULY 7.
MINIMUM 0.2 SECOND-FOOT AT VARIOUS TIMES.

1950-51
MAXIMUM 15 SECOND-FEET, AUGUST 22.
MINIMUM 0.2 SECOND-FOOT AT VARIOUS TIMES.

1932-51
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 No. 1 DURING THE YEAR ENDING SEPTEMBER 30, 1950

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATINGS	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1187	10-13	1440 / 1452	TURNER - REINHARD	6.1	3.01	1.30	3.47	3.9		.6	7	0	FC43
1188	10-26	1325 / 1331	TURNER	6.1	2.96	1.15	3.48	3.4		.6	7	0	"
1189	11-2	1425 / 1434	TURNER - LINDSAY	6.1	3.02	1.19	3.48	3.6		.6	7	0	"
1190	11-17	1310 / 1322	TURNER	6.0	2.97	1.14	3.47	3.4		.6	7	0	"
1191	11-23	1341 / 1350	"	6.0	2.65	0.94	3.41	2.5		.6	7	0	"
1192	12-1	1400 / 1409	"	6.0	2.64	0.87	3.42	2.3		.6	7	0	"
1193	12-15	1253 / 1302	"	6.0	2.69	0.82	3.43	2.2		.6	7	0	"
1194	12-29	1144 / 1147	"	1.6	0.25	0.60	3.15	0.15		.5	4	0	"
1195	2-16	1338 / 1350	"	10.0	3.57	1.29	2.54	4.6		.6	10	0	"
1196	2-23	1348 / 1400	"	10.1	3.50	1.28	2.55	4.5		.6	11	0	"
1197	3-1	1300 / 1312	"	10.1	3.45	1.30	2.57	4.5		.6	11	0	"
1198	4-13	1450 / 1453	"	1.8	0.35	0.60	2.20	0.21		.5	3	0	FC30
1199	5-10	1245 / 1248	"	2.3	0.36	0.67	2.17	0.24		.5	5	0	FC43
1200	5-18	1011 / 1020	"	5.5	1.81	1.44	2.46	2.6		.6	6	0	"
1201	5-31	0925 / 0934	"	5.5	1.81	1.33	2.51	2.4		.6	6	0	"
1202	6-7	1216 / 1225	"	5.5	1.90	1.37	2.53	2.6		.6	6	0	"
1203	6-15	1225 / 1234	"	5.6	2.37	1.69	2.64	4.0		.6	6	0	"
1204	6-28	1040 / 1052	"	5.6	2.47	1.62	2.65	4.0		.6	6	0	"
1205	7-6	1338 / 1350	"	5.5	2.83	1.91	2.72	5.4		.6	6	0	"
1206	7-19	1120 / 1129	"	5.5	2.74	1.82	2.69	5.0		.6	6	0	"
1207	8-2	1031 / 1040	"	5.5	2.85	1.72	2.73	4.9		.6	6	0	"
1208	8-16	1035 / 1043	"	5.5	3.41	1.41	2.79	4.8		.6	6	0	"
1209	8-30	1111 / 1120	"	5.5	4.16	1.15	2.91	4.8		.6	6	0	"
1210	9-13	1100 / 1114	SPENCER - BROWN	5.4	4.69	0.94	3.05	4.4		.6	6	0	FC35
1211	9-27	1435 / 1445	LUCE	5.4	5.26	0.87	3.16	4.6		.6	7	0	FC39

DISCHARGE MEASUREMENTS OF BIG TUJUNGA CREEK

~~AT~~ NEAR Below Big Tujunga Dam DURING THE YEAR ENDING SEPTEMBER 30, 1951

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.
1212	10-11	1410 / 1420	STUNDEN	4.6	4.87	0.78	3.22	3.8		.6	10	0	FC36
1213	10-18	1331 / 1340	TURNER-LINDSAY	5.1	5.02	0.86	3.21	4.3		.6	7	0	FC43
1214	10-26	0953 / 1005	TURNER	5.2	5.21	1.00	3.25	5.2		.6	7	0	"
1215	11-8	1246 / 1255	"	5.1	5.04	0.95	3.21	4.8		.6	7	0	"
1216	11-22	1300 / 1309	"	5.1	4.24	0.59	3.05	2.5		.6	7	0	"
1217	12-7	1128 / 1140	"	5.1	4.56	1.43	3.12	6.5		.6	7	0	"
1218	12-14	1133 / 1142	"	5.1	2.92	0.55		1.6		.6	7		"
1219	12-27	1350 / 402	"	5.1	3.12	0.48		1.5		.6	7		"
1220	1-17	1321 / 1330	"	5.1	3.17	0.47		1.5		.6	7		"
1221	3-8	1342 / 1345	"	1.5	0.28	0.68	2.53	0.19		.6	6	0	"
1222	3-21	1000	"	V	WEIR			0.20					
1223	4-5	1325	"	"	"			0.20					
1224	4-12	1440	"	"	"			0.16					
1225	4-26	1320	"	"	"			0.23					
1226	5-1	1425	TURNER-SCHOR	"	"			0.25					
1227	5-10	1330	TURNER	"	"			0.18					
1228	5-18	1415	"	"	"			0.66					
1229	5-24	1430	"	"	"			2.0					
1230	5-24	1639 / 1645	"	7.0	14.3	0.94		13.5		.6	5		FC43
1231	5-31	1536 / 1545	"	4.5	8.37	0.45		3.8		.6	7		"
1232	6-8	1645	"	TWO	WEIRS V NOTCH & CIPOLLETTI			1.9					
1233	6-13	1520	"	"	"	"	"	1.9					
1234	6-21	1365	"	"	"	"	"	1.9					
1235	6-28	1435	"	"	"	"	"	1.8					
1236	7-6	1040	"	"	"	"	"	1.2					
1237	7-12	1240	"	"	"	"	"	1.2					
1238	7-18	1400	"	"	"	"	"	1.2					
1239	8-2	1410	"	"	"	"	"	1.1					
1240	8-9	1430	"	"	"	"	"	1.1					
1241	8-16	1420	"	"	"	"	"	1.1					
1242	8-22	1051 / 1115	"	19.0	13.9	1.06	3.84	14.8		.6	14	0	FC23
1243	8-30	1435	TURNER-HOLLERON	TWO	WEIRS			1.6					
1244	9-7	1312	HOLLERON	"	"			1.6					
1245	9-13	1225	"	"	"			1.6					
1246	9-19	1400	TURNER	"	"			1.8					

F. C. Dist. Form 53 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F168R

Daily discharge, in second-feet of BIG TUJUNGA CREEK below Big Tujunga Dam, for the year ending September 30, 1950

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4.0	3.6	2.3	0.2	0.2	4.5	0.2	0.2	2.4	4.9	4.9	4.6
2	4.0	3.6	2.3	0.2	0.2	4.5	0.2	0.2	2.5	5.4	4.9	4.6
3	4.0	3.6	2.3	0.2	0.2	4.5	0.2	0.2	2.5	5.4	4.9	4.6
4	4.0	3.6	2.3	0.2	0.2	2.4	0.2	0.2	2.5	5.4	4.9	4.5
5	4.0	3.6	2.3	0.2	0.2	0.2	0.2	0.2	2.6	5.4	4.9	4.5
6	4.0	3.6	2.3	0.2	0.2	0.2	0.2	0.2	2.6	5.4	4.9	4.5
7	4.0	3.5	2.3	0.2	0.2	0.2	0.2	0.2	2.6	5.4	4.9	4.5
8	4.0	3.5	2.3	0.5	0.2	0.2	0.4	0.2	2.6	5.3	4.9	4.5
9	3.9	3.5	2.2	0.2	0.2	0.2	0.2	0.2	2.6	5.3	4.9	4.5
10	3.9	3.5	2.2	0.2	0.2	0.2	0.2	0.2	3.5	5.3	4.8	4.5
11	3.9	3.5	2.2	0.3	0.2	0.2	0.2	0.2	4.0	5.2	4.8	4.5
12	3.9	3.5	2.2	0.2	0.2	0.2	0.2	1.0	4.0	5.2	4.8	4.4
13	3.9	3.5	2.2	0.2	0.2	0.2	0.2	2.6	4.0	5.2	4.8	4.4
14	3.9	3.4	2.2	0.2	2.8	0.2	0.2	2.6	4.0	5.2	4.8	4.4
15	3.9	3.4	2.2	0.2	4.6	0.2	0.2	2.6	4.0	5.1	4.8	4.4
16	3.9	3.4	2.2	0.2	4.6	0.2	0.2	2.6	4.0	5.1	4.8	4.4
17	3.8	3.4	2.2	0.2	4.6	0.2	0.2	2.6	4.0	5.1	4.8	4.4
18	3.8	3.4	3.0	0.2	4.6	0.2	0.2	2.6	4.0	5.0	4.7	4.4
19	3.8	3.4	2.1	0.2	4.6	0.2	0.2	2.6	4.0	5.0	4.7	4.4
20	3.8	3.4	0.3	0.2	4.5	0.2	0.2	2.6	4.0	5.0	4.7	4.3
21	3.8	3.4	0.8	0.2	4.5	0.2	0.2	2.6	4.0	5.0	4.7	4.3
22	3.8	3.0	2.2	0.2	4.5	0.2	0.2	2.6	4.0	5.0	4.7	4.3
23	3.8	2.5	0.2	0.2	4.5	0.2	0.2	2.5	4.0	5.0	4.7	4.3
24	3.7	2.5	0.2	0.2	4.5	0.4	0.2	2.5	4.0	5.0	4.7	4.3
25	3.7	2.5	0.2	0.2	4.5	0.2	0.2	2.5	4.0	5.0	4.7	4.3
26	3.7	2.4	0.2	0.2	4.5	0.2	0.2	2.5	4.0	5.0	4.7	4.3
27	3.7	2.4	0.2	0.2	4.5	0.2	0.2	2.4	4.0	4.9	4.6	4.3
28	3.7	2.4	0.2	0.2	4.5	0.2	0.2	2.4	4.0	4.9	4.6	4.2
29	3.7	2.4	0.2	0.2		0.2	0.2	2.4	4.0	4.9	4.6	4.2
30	3.6	2.3	0.2	0.2		0.2	0.2	2.4	4.0	4.9	4.6	4.2
31	3.6		0.2	0.2		0.2		2.4		4.9	4.6	
	119.2	95.7	48.4	6.6	68.9	21.5	6.2	51.2	106.4	158.8	147.8	132.0
MEAN	3.85	3.19	1.56	0.21	2.46	0.69	0.21	1.65	3.55	5.12	4.77	4.40
ACRE-FEET	236.	190.	96.	13.	137.	43.	12.	102.	211.	315.	293.	262.

Remarks:

YEAR OR PERIOD MEAN 2.64
ACRE-FEET 1910.

26D743M F. C. Dist. 52 9-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F168-7

Daily discharge, in second-feet of BIG TUJUNGA CREEK below Big Tujunga Dam, for the year ending September 30, 1951

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4.2	5.0	2.4	1.5	0.2	0.3	0.2	0.2	4.2	1.8	1.1	1.6
2	4.2	5.0	2.4	1.5	0.2	0.3	0.2	0.2	4.2	1.8	1.1	1.6
3	4.2	5.0	2.3	1.5	0.2	0.2	0.2	0.2	4.2	1.7	1.1	1.6
4	4.2	4.9	2.3	1.5	0.2	0.2	0.2	0.2	4.2	1.2	1.1	1.6
5	4.2	4.9	2.3	1.5	0.2	0.2	0.2	0.2	4.2	1.2	1.1	1.6
6	4.2	4.9	4.8	1.5	0.2	0.2	0.2	0.2	2.3	1.2	1.1	1.6
7	4.2	4.8	4.2	1.5	0.2	0.2	0.2	0.2	1.9	1.2	1.1	1.6
8	4.2	4.8	1.6	1.5	0.2	0.2	0.2	0.2	1.9	1.2	1.1	1.6
9	4.2	4.8	1.6	1.5	0.2	0.2	0.2	0.2	1.9	1.2	1.1	1.6
10	4.3	4.7	0.5	1.5	0.2	0.2	0.2	0.2	1.9	1.2	1.1	1.6
11	4.3	4.6	1.5	1.5	0.2	0.2	0.2	0.2	1.9	1.2	1.1	1.6
12	4.3	4.6	1.6	1.5	0.2	0.2	0.2	0.3	1.9	1.2	1.1	1.6
13	4.3	4.5	1.6	1.5	0.2	0.2	0.2	0.7	1.9	1.2	1.1	1.6
14	4.3	4.5	1.6	1.5	0.2	0.2	0.2	0.7	1.9	1.2	1.1	1.6
15	4.3	4.4	1.6	1.5	0.2	0.2	0.2	0.7	1.9	1.2	1.1	1.6
16	4.3	4.4	1.6	1.5	0.2	0.2	0.2	0.7	1.9	1.2	1.1	1.6
17	4.3	3.3	1.6	1.5	0.2	0.2	0.2	0.7	1.9	1.2	1.1	1.6
18	4.3	2.6	1.6	1.2	0.2	0.2	0.2	0.7	1.9	1.2	1.1	1.7
19	4.3	2.6	1.6	0.2	0.2	0.2	0.2	2.4	1.9	1.2	1.1	1.8
20	4.3	2.5	1.6	0.2	0.2	0.2	0.2	2.3	1.9	1.2	1.1	1.8
21	4.3	2.5	1.5	0.2	0.2	0.2	0.2	2.3	1.9	1.2	1.1	1.8
22	4.2	2.5	1.5	0.2	0.2	0.2	0.2	2.3	1.9	1.2	8.1	1.8
23	4.2	2.5	1.5	0.2	0.2	0.2	0.2	2.3	1.9	1.1	1.6	1.8
24	4.2	2.5	1.5	0.2	0.2	0.2	0.2	5.5	1.9	1.1	1.6	1.8
25	4.9	2.5	1.5	0.2	0.2	0.2	0.4	7.6	1.8	1.1	1.6	1.8
26	5.2	2.4	1.5	0.2	0.2	0.2	0.2	12	1.8	1.1	1.6	1.8
27	5.2	2.4	1.5	0.2	0.4	0.2	0.2	7.0	1.8	1.1	1.6	1.8
28	5.1	2.4	1.5	0.2	0.2	0.2	0.3	4.2	1.8	1.1	1.6	1.8
29	5.1	2.4	1.5	0.2		0.2	0.4	4.2	1.8	1.1	1.6	1.8
30	5.1	2.4	1.5	0.2		0.2	0.3	4.2	1.8	1.1	1.6	1.8
31	5.1		1.5	0.2		0.2		4.2		1.1	1.6	
	137.7	111.3	56.8	29.3	5.8	6.4	6.6	67.2	68.3	38.0	45.6	50.5
MEAN	4.44	3.71	1.83	0.95	0.21	0.21	0.22	2.17	2.28	1.23	1.47	1.68
ACRE-FEET	273.	221.	113.	58.	12.	13.	13.	135.	135.	75.	90.	100.

Remarks:

YEAR OR PERIOD MEAN 1.71
ACRE-FEET 1240.

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, 1949 TO SEPTEMBER 30, 1951.

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, 1951. (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:

1949-50
MAXIMUM 7.3 SECOND-FEET, NOVEMBER 10.
MINIMUM 1.5 SECOND-FEET, MAY 10.

1950-51
MAXIMUM 10 SECOND-FEET, NOVEMBER 13.
MINIMUM 0.2 SECOND-FOOT, SEVERAL DAYS IN AUGUST.

1916-51
MAXIMUM 50,000 SECOND-FEET, ESTIMATED MARCH 2, 1938.
MINIMUM 0.2 SECOND-FOOT, AUGUST 1951.

ACCURACY: GOOD.

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

DISCHARGE MEASUREMENTS OF BIG TUJUNGA CREEK

AT OR NEAR above Gold Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 50

NO.	DATE	BEGIN / END	MADE BY	WIDTH, FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1080	10-5	1355 / 1404	TURNER	6.4	2.46	1.46	5.80	3.6		.6	7	0	FC43
1081	10-14	1036 / 1045	REINHARD - TURNER	6.2	2.27	1.41	5.80	3.2		.5	6	0	"
1082	10-20	1531 / 1540	TURNER	6.2	2.22	1.39	5.78	3.1		.5	7	0	"
1083	10-27	1600 / 1606	"	6.2	2.09	1.34	5.78	2.8		.6	7	0	"
1084	11-3	1141 / 1150	"	6.2	2.15	1.35	5.79	2.9		.6	7	0	"
1085	11-9	1030 / 1043	KASIMOFF	6.5	2.45	1.35	5.84	3.3		.6	8	0	FC47
1086	11-10	1516 / 1530	"	17.0	16.4	1.67	6.36	27.4		.6	9	-.03	"
1087	11-16	1038 / 1050	TURNER	8.0	5.64	0.76	5.85	4.3		.6	8	0	FC43
1088	11-25	0950 / 0959	"	7.5	4.83	0.64	5.78	3.1		.6	8	0	"
1089	12-1	1611 / 1620	"	7.3	4.75	0.53	5.77	2.5		.6	8	0	"
1090	12-8	1521 / 1530	"	8.0	5.99	0.82	5.90	4.9		.6	9	0	"
1091	12-16	1146 / 1155	"	8.0	5.76	0.64	5.85	3.7		.6	9	0	"
1092	12-19	1003 / 1012	TURNER - RILEY	16.0	12.4	1.39	6.20	17.2		.6	9	0	"
1093	12-21	1456 / 1505	TURNER	15.0	6.59	0.91	5.90	6.0		.6	9	-.01	"
1094	12-29	1625 / 1634	"	9.8	4.58	0.59	5.75	2.7		.6	10	0	"
1095	1-6	1049 / 1055	"	6.5	1.67	1.14	5.71	1.9		.5	7	0	"
1096	1-11	1724 / 1733	TURNER - RILEY	16.0	8.44	1.21	6.03	10.2		.6	8	0	"
1097	1-18	0930 / 0942	TURNER	10.3	5.05	0.89	5.83	4.5		.6	11	0	"
1098	1-25	1120 / 1129	"	8.8	4.34	0.71	5.78	3.1		.6	10	0	"
1099	2-2	1021 / 1030	"	9.8	4.41	0.68	5.77	3.0		.6	11	0	"
1100	2-6	0946 / 0955	"	18.0	16.8	1.91	6.38	32.1		.6	9	0	"
1101	2-8	1221 / 1230	"	14.0	8.53	0.94	5.99	8.0		.6	8	0	"
1102	2-15	1111 / 1120	"	14.0	8.34	0.96	5.96	8.0		.6	8	0	"
1103	2-24	1040 / 1049	"	13.5	8.17	0.93	5.98	7.6		.6	9	0	"
1104	3-1	1606 / 1615	"	14.0	8.07	0.97	5.97	7.8		.6	8	0	"
1105	3-8	1611 / 1620	"	13.5	6.44	0.51	5.85	3.3		.6	8	0	"
1106	3-15	0855 / 0901	"	6.0	3.29	0.82	5.82	2.7		.6	7	0	"
1107	3-22	0855 / 0901	"	6.0	3.31	0.72	5.80	2.4					
1108	3-29	1614 / 1620	"	6.1	4.86	0.70	5.83	3.4					
1109	4-5	1605 / 1611	"	5.2	3.77	0.58	5.76	2.2					
1110	4-13	0930 / 0936	"	4.7	3.56	1.15	5.85	4.1					
1111	4-20	1630 / 1636	"	4.4	2.55	0.74	5.70	1.9					
1112	4-26	1114 / 1120	"	4.5	2.78	0.94	5.73	2.6					
1113	5-3	1545 / 1551	"	4.3	2.65	0.91	5.72	2.4					
1114	5-10	1710 / 1716	"	4.3	2.37	0.63	5.66	1.5					
1115	5-17	0900 / 0909	"	5.4	3.27	0.73	5.74	2.4					
1116	5-24	1409 / 1415	"	5.3	3.33	1.02	5.81	3.4					
1117	6-1	1014 / 1020	"	5.2	3.45	0.84	5.74	2.9					
1118	6-7	1547 / 1556	"	5.3	3.39	0.77	5.75	2.6					
1119	6-15	1534 / 1540	"	5.3	3.57	0.90	5.77	3.2					
1120	6-21	1426 / 1435	"	5.5	3.91	0.95	5.80	3.7					
1121	6-28	1506 / 1515	"	5.3	3.63	0.83	5.77	3.0					
1122	7-5	1050 / 1102	"	8.5	3.22	1.15	5.79	3.7					
1123	7-14	0905 / 0914	"	7.0	3.25	1.29	5.82	4.2					
1124	7-19	1623 / 1632	"	7.0	3.14	1.24	5.81	3.9					
1125	7-26	0826 / 0835	"	6.9	3.18	1.22	5.81	3.9					
1126	8-2	1621 / 1630	"	7.0	3.08	1.17	5.82	3.6					
1127	8-9	1420 / 1429	"	7.0	3.05	1.08	5.81	3.3					
1128	8-16	1434 / 1443	SPENCER - TURNER	6.4	2.90	1.07	5.81	3.1					
1129	8-23	1426 / 1435	TURNER	7.0	3.21	1.06	5.81	3.4					
1130	8-30	1536 / 1545	"	7.0	3.17	1.01	5.80	3.2					
1131	9-6	1613 / 1624	SPENCER	6.7	3.37	1.04	5.83	3.5					
1132	9-13	1434 / 1446	SPENCER - BROWN	6.8	3.85	1.04	5.85	4.1					
1133	9-20	1422 / 1438	SPENCER	6.8	4.15	1.15	5.91	4.8					
1134	9-27	0830 / 0840	LUCE	7.0	3.99	1.00	5.90	4.0					

DISCHARGE MEASUREMENTS OF BIG TUJUNGA CREEK

~~AT~~ NEAR above Gold Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 51

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1135	10-4	0840 / 0850	STUNDEN	7.0	3.82	0.92	5.88	3.5		.5 / .6	9	0	FC36
1136	10-11	0855 / 0910	"	6.7	4.10	1.05	5.89	4.3		.5 / .6	9	0	"
1137	10-19	0918 / 0927	TURNER	7.0	3.60	1.06	5.87	3.8		.6	8	0	FC43
1138	10-23	1343 / 1355	"	7.0	3.69	0.95	5.87	3.5		.6	8	0	"
1139	10-25	1236 / 1245	"	7.0	2.92	1.37	5.77	4.0		.6	8	0	"
1140	11-2	0840 / 0849	"	7.0	3.47	1.30	5.81	4.5		.6	9	0	"
1141	11-9	0851 / 0900	"	6.3	3.27	1.41	5.83	4.6		.6	8	0	"
1142	11-16	1006 / 1016	"	6.3	3.69	1.33	5.84	4.9		.6	8	0	"
1143	11-24	0850 / 0859	"	6.2	3.13	1.05	5.74	3.3		.6	8	0	"
1144	11-29	1416 / 1426	"	6.5	4.71	0.64	6.03	3.0		.6	8	0	"
1145	12-8	0926 / 0935	"	6.3	3.70	1.00	5.88	3.7		.6	8	0	"
1146	12-15	1521 / 1530	"	6.0	2.79	0.72	5.70	2.0		.6	8	0	"
1147	12-20	1429 / 1435	"	5.2	2.27	0.93	5.68	2.1		.6	7	0	"
1148	12-27	0930 / 0939	"	5.1	2.18	1.01	5.66	2.2		.6	7	0	"
1149	1-3	0916 / 0925	"	4.4	1.86	1.13	5.66	2.1		.6	7	0	"
1150	1-10	1300 / 1308	"	4.8	2.43	1.44	5.78	3.5		.6	7	0	"
1151	1-17	1605 / 1614	"	5.3	2.90	1.17	5.74	3.4		.6	7	0	"
1152	1-24	1500 / 1509	"	5.0	2.43	0.90	5.68	2.2		.6	7	0	"
1153	1-29	1608 / 1617	"	20.0	10.3	0.52	5.90	5.4		.6	11	+.01	"
1154	2-1	1445 / 1454	"	5.4	2.77	1.19	5.75	3.3		.6	7	0	"
1155	2-7	1525 / 1534	THOMAS - TURNER	5.1	2.39	0.84	5.66	2.0		.6	7	0	"
1156	2-15	0941 / 0950	TURNER	5.0	2.23	0.72	5.66	1.6		.6	7	0	"
1157	2-21	0900 / 0909	"	5.0	2.13	0.70	5.65	1.5		.6	7	0	"
1158	2-23	0855 / 0904	"	5.2	2.42	0.74	5.68	1.8		.6	7	0	"
1159	2-28	0955 / 1004	"	5.4	2.74	1.02	5.74	2.8		.6	7	0	"
1160	3-1	1418 / 1424	TURNER - TRUMBO	5.4	2.87	1.18	5.76	3.4		.6	7	0	"
1161	3-7	0956 / 1005	TURNER	5.2	2.59	0.97	5.72	2.5		.6	7	0	"
1162	3-14	1021 / 1030	"	5.2	2.40	0.71	5.66	1.7		.6	7	0	"
1163	3-21	1205 / 1214	"	5.2	2.21	0.63	5.64	1.4		.6	8	0	"
1164	3-30	0935 / 0944	"	3.7	1.97	0.71	5.64	1.4		.6	6	0	"
1165	4-4	1611 / 1617	"	3.7	1.95	0.67	5.64	1.3		.6	6	0	"
1166	4-11	1040 / 1046	"	3.6	1.92	0.61	5.64	1.2		.6	6	0	"
1167	4-18	1449 / 1455	"	3.7	1.88	0.59	5.64	1.1		.6	6	0	"
1168	4-25	0955 / 1001	"	3.6	1.83	0.71	5.65	1.3		.6	6	0	"
1169	4-26	1620 / 1626	"	3.6	2.07	0.68	5.68	1.4		.6	6	0	"
1170	5-2	1015 / 1024	"	3.7	2.48	1.09	5.75	2.7		.6	6	0	"
1171	5-9	1034 / 1040	"	3.4	2.29	0.70	5.72	1.6		.6	5	0	"
1172	5-18	0804 / 0810	"	3.3	2.22	0.59	5.72	1.3		.6	5	0	"
1173	5-22	1519 / 1525	"	3.3	2.11	0.46	5.70	0.97		.6	5	0	"
1174	5-24	0854 / 0900	"	3.3	2.22	0.50	5.72	1.1		.6	5	0	"
1175	5-25	1724 / 1730	"	3.3	2.17	0.46	5.71	1.0		.6	5	0	"
1176	5-28	0830 / 0842	"	8.0	5.66	0.83	6.02	4.7		.6	10	0	"
1177	5-31	0918 / 0930	"	7.9	5.03	0.66	5.96	3.3		.6	10	0	"
1178	6-6	1048 / 1100	"	6.7	4.71	0.76	5.98	3.6		.6	9	0	"
1179	6-7	1115 / 1127	"	6.5	4.15	0.84	5.92	3.5		.6	9	0	"
1180	6-12	0921 / 0930	"	4.9	2.33	0.99	5.84	2.3		.6	7	0	"
1181	6-14	0906 / 0915	"	4.8	2.10	0.86	5.80	1.8		.6	7	0	"
1182	6-20	0931 / 0940	"	4.7	2.06	0.78	5.79	1.6		.6	7	0	"
1183	6-27	1001 / 1010	"	4.7	2.19	0.73	5.80	1.6		.6	8	0	"
1184	7-5	1358 / 1407	"	4.5	2.38	0.59	5.84	1.4		.6	8	0	"
1185	7-5	1516 / 1525	"	4.5	2.11	0.52	5.80	1.1		.6	8	0	"
1186	7-12	1425 / 1436	THOMAS	5.2	2.17	0.35	5.80	0.77		.6	8	0	FC42
1187	7-19	1530 / 1536	"	2.3	1.16	0.49	5.78	0.57		.6	6	0	FC43
1188	7-25	1034 / 1040	"	2.0	1.05	0.58	5.81	0.61		.6	5	0	"
1189	8-2	0815 / 0821	"	2.0	1.11	0.38	5.82	0.42		.6	5	0	"
1190	8-9	0839 / 0945	"	2.0	1.10	0.35	5.84	0.39		.6	5	0	"
1191	8-15	1349 / 1355	"	2.0	0.77	0.29	5.82	0.22		.6	5	0	"
1192	8-22	1614 / 1620	"	2.0	0.78	0.37	5.83	0.29		.6	5	0	"
1193	8-24	1439 / 1445	"	2.0	0.79	0.39	5.83	0.31		.6	5	0	"
1194	8-29	1507 / 1513	TURNER - HOLLERON	2.0	1.00	0.63	5.91	0.63		.6	5	0	"
1195	9-5	0938 / 0944	HOLLERON	2.0	1.25	0.74	5.96	0.93		.6	5	0	"
1196	9-12	1609 / 1617	"	2.0	1.14	0.59	5.94	0.67		.6	5	0	"
1197	9-19	1559 / 1605	TURNER	2.0	1.07	0.62	5.92	0.66		.6	5	0	FC23
1198	9-26	1042 / 1048	"	2.0	1.33	0.90	6.03	1.2		.6	5	0	FC43

U. S. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F213R

Daily discharge, in second-feet of BIG TUJUNGA CREEK above Gold Canyon for the year ending September 30, 1950

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3.5	2.8	2.6	2.2	3.0	7.8	2.8	2.2	2.6	3.0	4.2	3.2
2	3.5	3.0	2.6	2.2	3.0	7.5	2.6	2.4	2.4	3.2	4.0	3.0
3	3.5	3.0	2.6	2.1	3.0	7.5	2.4	2.2	2.2	4.0	3.5	3.2
4	3.5	3.0	2.6	1.9	3.0	7.2	2.4	2.2	2.1	3.7	3.7	3.2
5	3.5	3.0	2.6	1.9	3.2	5.5	2.2	2.1	2.2	3.7	3.7	3.2
6	3.7	3.0	2.6	1.9	20	4.2	2.2	2.1	2.2	3.7	3.5	3.5
7	3.7	3.0	3.0	1.9	12	4.0	2.2	2.2	2.4	4.2	3.5	3.5
8	3.7	3.0	5.0	5.0	7.8	3.5	6.9	2.1	2.4	4.5	3.2	3.7
9	3.7	3.6	4.2	9.4	7.2	3.2	12	1.9	2.2	5.0	3.0	3.7
10	3.5	30	4.0	4.8	7.2	3.0	7.5	1.7	2.2	4.8	3.2	4.0
11	3.5	9.2	4.0	8.0	6.8	3.0	5.5	1.7	2.4	4.5	3.2	4.0
12	3.2	6.1	4.0	12	6.5	3.2	4.8	1.7	3.2	4.2	3.5	4.2
13	3.2	5.0	4.0	7.8	6.1	3.0	4.2	1.7	3.5	4.2	3.5	4.2
14	3.2	4.5	4.0	6.5	5.8	2.8	4.0	1.7	3.7	4.2	3.5	a 4.2
15	3.0	4.5	4.0	6.1	7.5	2.8	3.5	1.7	3.5	4.0	3.2	4.3
16	2.8	4.2	3.7	5.5	8.2	2.8	3.2	1.7	3.7	4.0	3.2	4.4
17	2.6	4.2	3.7	4.8	7.8	2.8	2.8	2.2	4.0	4.2	3.2	4.5
18	3.0	4.2	19	4.5	8.2	2.6	2.8	2.6	3.7	4.2	3.2	4.6
19	3.2	4.8	20	4.5	8.2	2.6	2.4	3.0	3.7	4.2	3.0	4.7
20	3.2	4.8	10	4.2	7.8	2.4	2.2	3.0	3.7	4.2	3.2	a 4.6
21	3.2	4.5	6.8	4.0	7.8	2.4	2.4	3.0	3.7	4.0	3.5	4.8
22	3.0	4.0	6.8	3.7	7.8	2.4	2.6	3.0	3.7	4.0	3.5	4.5
23	3.0	3.5	5.5	3.7	7.5	2.2	2.8	3.5	3.7	3.7	3.5	4.2
24	3.2	3.5	4.5	3.5	7.5	4.6	2.6	3.5	4.0	4.0	3.5	4.0
25	3.0	3.2	4.0	3.2	7.5	13	2.6	3.5	3.7	4.0	3.5	4.0
26	2.8	3.2	3.5	3.2	7.8	6.5	2.6	3.2	3.7	4.0	3.7	4.0
27	2.8	3.2	3.2	3.2	7.8	5.0	2.6	2.8	3.5	4.0	3.5	3.7
28	2.8	3.0	3.0	3.5	7.8	4.2	2.6	2.4	3.2	4.0	3.5	3.7
29	2.8	3.0	2.8	4.2		3.7	2.4	2.2	3.2	4.0	3.2	3.5
30	2.8	2.8	2.6	3.7		3.2	2.2	2.2	3.0	4.0	3.2	3.7
31	2.8		2.4	3.5		3.0		4.3		4.2	3.2	
	98.9	142.8	153.3	136.6	203.8	131.6	104.0	76.6	93.4	125.6	106.0	118.2
MEAN	3.19	4.76	4.95	4.41	7.28	4.25	3.47	2.47	3.11	4.05	3.42	3.94
ACRE-FEET	196.	283.	304.	271.	404.	261.	206.	152.	185.	249.	210.	234.

Remarks:

YEAR OR PERIOD MEAN 4.08
ACRE-FEET 2960.

760T4M F. C. Dist. 52 8-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

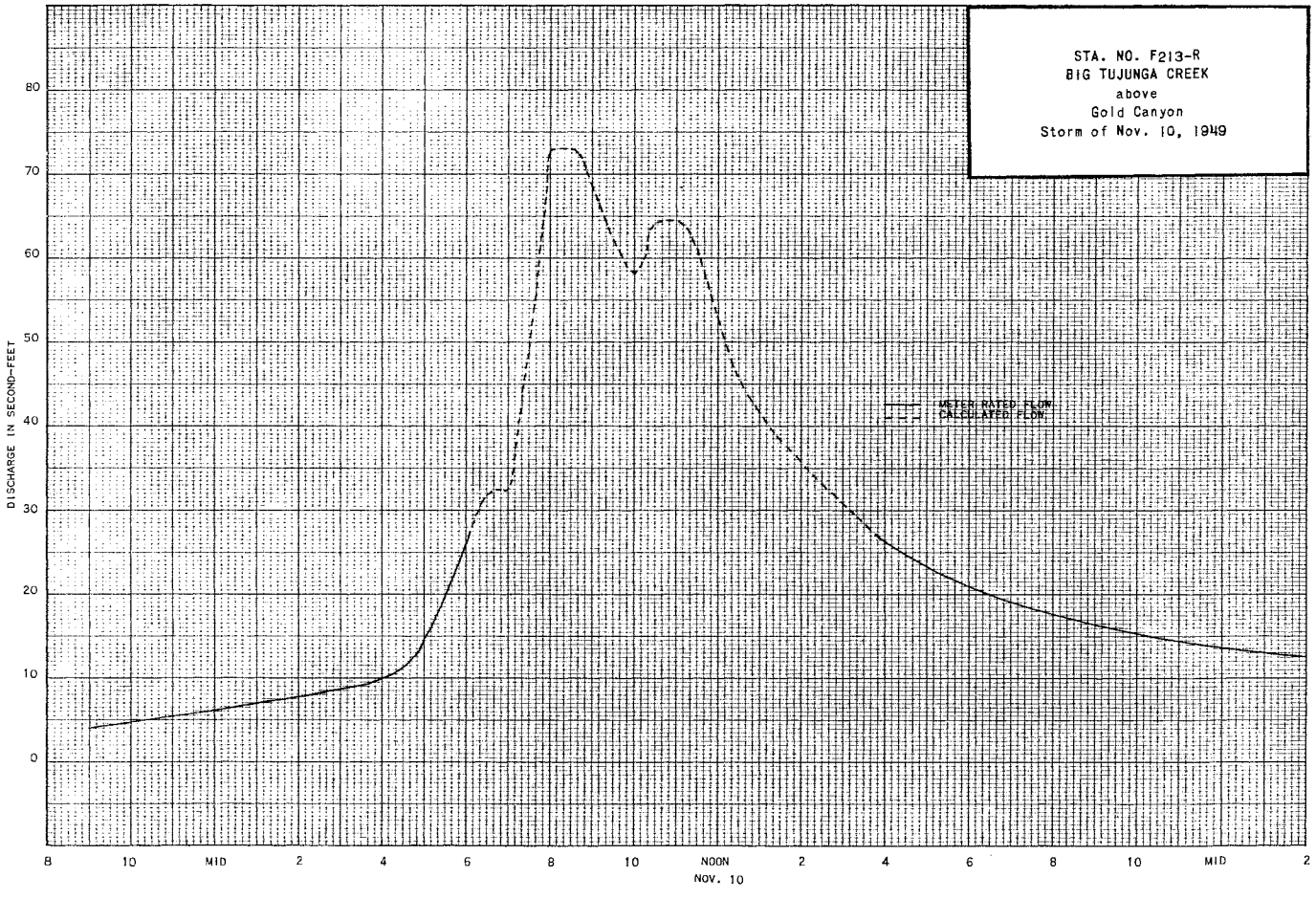
Sta. No. F213-R

Daily discharge, in second-feet of BIG TUJUNGA CREEK above Gold Canyon, for the year ending September 30, 19 51

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3.6	4.6	3.0	2.0	3.5	3.3	1.0	2.7	3.2	0.8	0.3	0.6
2	3.6	4.5	3.0	2.0	3.0	3.3	1.1	2.7	3.0	1.0	0.4	0.5
3	3.5	4.6	3.0	2.0	2.7	3.2	1.1	2.5	2.8	0.8	0.5	0.6
4	3.3	4.8	3.0	2.0	2.5	2.8	1.3	2.3	3.2	0.8	0.5	0.5
5	3.3	5.0	2.8	2.2	2.3	2.7	1.3	2.2	3.5	1.1	0.4	0.6
6	3.5	4.8	2.8	2.2	2.2	2.5	1.3	2.0	3.6	1.3	0.3	0.6
7	3.5	4.6	4.3	2.0	2.0	2.5	1.1	1.9	3.6	1.0	a 0.3	0.6
8	3.3	4.6	3.6	2.0	2.0	2.3	1.0	1.7	3.0	0.8	a 0.3	0.4
9	4.2	4.5	2.8	2.0	1.9	2.2	1.1	1.6	2.7	0.8	0.4	0.5
10	4.5	5.1	2.7	2.6	1.9	2.0	1.1	1.4	2.2	1.0	0.5	0.5
11	4.3	6.3	2.3	3.5	1.9	2.0	1.1	1.4	2.2	1.0	0.6	0.6
12	4.1	6.3	2.2	4.6	1.7	1.9	1.0	1.3	2.0	1.0	0.5	0.6
13	4.0	7.1	2.2	3.6	1.7	1.7	1.0	1.3	2.0	1.0	0.3	0.7
14	4.1	6.0	2.0	3.8	1.6	1.7	1.0	1.4	1.9	0.7	0.3	0.6
15	4.1	5.3	2.0	3.5	1.6	1.7	1.0	1.4	1.7	0.8	0.2	0.6
16	4.0	5.0	2.0	3.6	1.6	1.9	1.1	1.3	1.6	0.6	0.2	0.5
17	3.8	5.0	2.2	3.6	1.6	1.9	1.1	1.1	1.6	0.3	0.2	0.5
18	3.8	4.3	2.0	3.5	1.6	1.6	1.1	1.1	1.4	0.6	0.2	0.7
19	3.8	5.0	2.0	4.5	1.4	1.6	1.1	0.8	1.4	0.6	0.3	1.0
20	3.8	4.6	2.0	4.0	1.4	1.4	1.3	0.6	1.6	0.6	0.3	1.7
21	3.8	4.0	2.0	3.2	1.4	1.4	1.1	0.6	1.6	0.5	0.3	1.4
22	4.0	3.5	2.2	2.7	1.7	1.4	1.0	0.6	1.6	0.6	0.3	0.7
23 d	3.5	3.5	2.2	2.5	1.9	1.4	1.0	1.0	1.6	0.6	0.3	0.7
24 d	3.8	3.3	2.3	2.2	1.7	1.4	1.0	1.1	1.6	0.6	0.3	0.6
25 d	4.0	3.1	2.2	2.2	1.7	1.4	1.9	1.1	1.7	0.6	0.3	0.7
26	4.6	3.0	2.3	2.2	1.7	1.4	1.6	4.2	1.7	0.6	0.3	1.1
27	5.1	2.8	2.2	2.0	3.2	1.6	1.3	6.2	1.6	0.5	0.2	1.1
28	5.0	3.0	2.2	1.9	2.8	1.6	1.7	4.3	1.4	0.6	0.3	1.1
29	4.6	3.0	2.0	4.1		1.4	2.9	2.7	1.1	0.5	0.6	1.4
30	4.6	3.2	2.0	4.8		1.3	2.3	3.0	1.0	0.4	0.7	1.3
31	4.8		2.0	3.8		1.1		3.3		0.3	0.6	
	123.9	134.4	75.5	91.0	56.2	59.6	38.0	61.0	63.1	22.4	11.2	23.0
MEAN	4.00	4.48	2.44	2.94	2.01	1.92	1.27	1.97	2.10	0.72	0.36	0.77
ACRE-FEET	246.	367.	150.	180.	111.	118.	75.	121.	125.	44.	22.	46.

Remarks:

YEAR OR PERIOD MEAN 2.08
ACRE-FEET 1510.



STATION E286-R

TUJUNGA WASH below Hansen Dam

LOCATION: WATER-STAGE RECORDER AND SHARP-CRESTED WEIR, LAT. 34°15'31", LONG. 118°23'11", AT LOWER END OF OUTLET STRUCTURE OF HANSEN DAM, IN EXMISSION SAN FERNANDO GRANT, IN CITY OF LOS ANGELES, 3 MILES SOUTHEAST OF SAN FERNANDO, LOS ANGELES COUNTY. DATUM OF GAGE IS 963.29 FEET ABOVE MEAN SEA LEVEL. DATUM OF 1929 (CORPS OF ENGINEERS, DEPARTMENT OF THE ARMY, BENCH MARK).

DRAINAGE AREA: 148 SQUARE MILES.

RECORDS AVAILABLE: OCTOBER 1940 TO SEPTEMBER 1951 IN REPORTS OF GEOLOGICAL SURVEY, APRIL 1932 TO SEPTEMBER 1940 (FRAGMENTARY) AND OCTOBER 1940 TO SEPTEMBER 1951 IN ANNUAL REPORTS OF LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

EXTREMES OF DISCHARGE

1949-1950
MAXIMUM DISCHARGE 1.6 SECOND-FEET, MARCH 1 (GAGE HEIGHT 0.43 FOOT).
NO FLOW ON MANY DAYS.

1950-1951
NO FLOW DURING YEAR.

1940-1951
MAXIMUM DISCHARGE 1780. SECOND-FEET, JANUARY 23, 1943.
NO FLOW DURING PARTS OF EACH YEAR.

REMARKS: RECORDS GOOD. STORAGE AND DIVERSIONS ABOVE STATION. FLOW REGULATED BY HANSEN FLOOD CONTROL DAM. FLOW BELOW THE STATION CAN BE DIVERTED TO HANSEN SPREADING GROUNDS. RECORDS OF DIVERSION AND FLOW DOWN TUJUNGA WASH ARE PUBLISHED UNDER STATION F208-R.

COOPERATION: GAGE HEIGHT RECORD FURNISHED BY CORPS OF ENGINEERS, DEPARTMENT OF THE ARMY.

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. E286-R

Daily discharge, in second-feet of TUJUNGA WASH below Hansen Dam for the year ending September 30, 1950

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0.1	0	0	0	0	0	0
2	0	0	0	0	0	0.02	0	0	0	0	0	0
3	0	0	0	0	0	0.02	0	0	0	0	0	0
4	0	0	0	0	0	0.02	0	0	0	0	0	0
5	0	0	0	0	0	0.02	0	0	0	0	0	0
6	0	0	0	0	0.03	0.02	0	0	0	0	0	0
7	0	0	0	0	0.03	0.01	0	0	0	0	0	0
8	0	0	0	0	0.02	0.01	0	0	0	0	0	0
9	0	0	0	0	0.02	0.01	0	0	0	0	0	0
10	0	0	0	0	0.08	0	0	0	0	0	0	0
11	0	0	0	0	0.04	0	0	0	0	0	0	0
12	0	0	0	0.04	0.02	0	0	0	0	0	0	0
13	0	0	0	0.08	0.02	0	0	0	0	0	0	0
14	0	0	0	0.03	0.02	0	0	0	0	0	0	0
15	0	0	0	0.04	0.01	0	0	0	0	0	0	0
16	0	0	0	0.05	0.01	0	0	0	0	0	0	0
17	0	0	0	0.01	0.01	0	0	0	0	0	0	0
18	0	0	0	0.01	0.01	0	0	0	0	0	0	0
19	0	0	0	0	0.01	0	0	0	0	0	0	0
20	0	0	0	0	0.01	0	0	0	0	0	0	0
21	0	0	0	0	0.01	0	0	0	0	0	0	0
22	0	0	0	0	0.01	0	0	0	0	0	0	0
23	0	0	0	0	0.01	0	0	0	0	0	0	0
24	0	0	0	0	0.01	0	0	0	0	0	0	0
25	0	0	0	0	0.01	0	0	0	0	0	0	0
26	0	0	0	0	0.01	0	0	0	0	0	0	0
27	0	0	0	0	0.01	0	0	0	0	0	0	0
28	0	0	0	0	0.01	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	0.26	0.42	0.23	0	0	0	0	0	0
MEAN	0	0	0	.008	.015	.007	0	0	0	0	0	0
ACRE-FEET	0	0	0	.5	.8	.5	0	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN .002
ACRE-FEET 1.8

STATION F208-R

TUJUNGA WASH at Glen Oaks Blvd.

LOCATION: WATER-STAGE RECORDER, LAT. 34°15'08", LONG. 118°23'22", ON THE DOWNSTREAM SIDE OF THE GLEN OAKS BOULEVARD (FORMERLY REMSEN AVENUE) BRIDGE APPROXIMATELY 3 MILES SOUTHEAST OF SAN FERNANDO AND 0.5 MILE BELOW HANSEN DAM. ELEVATION OF ZERO GAGE HEIGHT, 937.98 FEET. PUBLISHED HEREWITH IS THE DIVERSION TO HANSEN SPREADING GROUNDS. (SEE REMARKS).

DRAINAGE AREA: 148 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL IS WIDE AND COMPOSED OF SAND, GRAVEL AND BOULDERS, BOULDERS PREDOMINATING. NO ARTIFICIAL CONTROL.

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

RECORDER: INSTALLED APRIL 29, 1932 AT STATION F20-R AT STONEHURST AVENUE. WASHED OUT DURING THE MARCH 2, 1938 FLOOD. REINSTALLED AT STATION F208-R AT GLEN OAKS BOULEVARD (FORMERLY REMSEN AVENUE), JULY 2, 1940 OVER A 21-INCH CORRUGATED IRON PIPE STILLING WELL. REMOVED FOR BRIDGE AND CHANNEL CONSTRUCTION APRIL 4, 1951. AN H.C.F. RECORDER WAS IN SERVICE FROM OCTOBER 1, 1949 TO APRIL 11, 1951.

REGULATION: FLOW REGULATED BY HANSEN DAM. INFLOW TO HANSEN DAM PARTIALLY REGULATED BY BIG TUJUNGA DAM AND BY HAINES CANYON DEBRIS BASIN.

DIVERSIONS: SOME WATER DIVERTED FOR IRRIGATION NEAR MOUTH OF BIG TUJUNGA CANYON. FLOW CAN BE DIVERTED ABOVE THE STATION TO HANSEN SPREADING GROUNDS.

RECORDS AVAILABLE: JANUARY 1931 TO APRIL 1932 RANDOM MEASUREMENTS AVAILABLE. RECORDER RECORDS FROM APRIL 29, 1932 TO DECEMBER 31, 1933. NO COMMUNICATION FROM DECEMBER 31, 1933 TO MARCH 9, 1934. RANDOM MEASUREMENTS AVAILABLE. RECORDER RECORDS FROM MARCH 9, 1934 TO MARCH 2, 1938. FROM MARCH 2, 1938 TO JULY 25, 1940 RANDOM MEASUREMENTS AVAILABLE. RECORDER RECORDS FROM JULY 25, 1940 TO APRIL 11, 1951.

EXTREMES OF DISCHARGE:

1949-50
NO FLOW ENTIRE YEAR.

1950-51
NO FLOW ENTIRE YEAR.

1932-51 AT STATION F20-R AND F208-R.
MAXIMUM 54,000 SECOND-FEET, ESTIMATED MARCH 2, 1938.
MINIMUM NO FLOW PART OF EACH YEAR.

ACCURACY: GOOD.

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

REMARKS: HANSEN SPREADING GROUNDS INTAKE WAS CONSTRUCTED DURING SUMMER OF 1944. SUBSEQUENT RECORDS AT STATION 208 MEASURE OUTFLOW FROM HANSEN DAM LESS SPREADING DIVERSIONS. CONTINUED OPERATION OF THE STATION IS FOR FLOOD FLOWS ONLY. RECORDS OF OUTFLOW FROM HANSEN DAM AS RECORDED BY THE UNITED STATES GEOLOGICAL SURVEY AT THEIR STATION IN THE OUTLET CHANNEL BELOW HANSEN DAM ARE PUBLISHED UNDER STATION E286-R. PUBLISHED HEREWITH ARE THE RECORDS OF DIVERSION TO HANSEN SPREADING GROUNDS AND FLOW DOWN TUJUNGA WASH.

STATION F105B-R

TUJUNGA WASH below Moorpark Street

LOCATION: WATER-STAGE RECORDER, LAT. 34°08'58" N. LONG. 118°23'28" W. 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. A STEVENS TYPE A35-B CONTINUOUS RECORDER INSTALLED ON MARCH 22, 1950, OVER A 48-INCH DIAMETER CONCRETE STILLING WELL, AND IN SERVICE TO SEPTEMBER 30, 1951.

REGULATION: FLOW PARTIALLY REGULATED BY BIG TUJUNGA DAM, HAINES DEBRIS BASIN, AND HANSEN DAM.

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

RECORDS AVAILABLE: AUGUST 1930 TO FEBRUARY 17, 1938. OCTOBER 17, 1938 TO MARCH 24, 1949 AND MARCH 22, 1950 TO SEPTEMBER 30, 1951. NO RECORD AVAILABLE FROM MARCH 24, 1949 TO SEPTEMBER 30, 1951 DUE TO CHANNEL CONSTRUCTION.

EXTREMES OF DISCHARGE:

1949-50
MAXIMUM NOT DETERMINED.
MINIMUM NO FLOW MOST OF YEAR.

1950-51
MAXIMUM 96 SECOND-FEET, JANUARY 29.
MINIMUM NO FLOW MOST OF YEAR.

1930-51
MAXIMUM DISCHARGE NOT DETERMINED MARCH 2, 1938.
MAXIMUM DISCHARGE OF RECORD 1350 SECOND-FEET, JANUARY 22, 1943.
MINIMUM NO FLOW.

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 OR NEAR Below Moorpark Street DURING THE YEAR ENDING SEPTEMBER 30, 1951

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION 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	3-1	0946 / 1000	LANG	13.8	2.73	5.20	0.08	14.2		SURF. .5	8	-.01	FC12'
2	4-25	1038 / 1050	"	7.6	1.17	3.76	0.07	4.4		SURF.	7	0	"

FORM F. C. Dist. 52 9-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F105Z-2

Daily discharge, in second-feet of TUJUNGA WASH below Moorpark Street for the year ending September 30, 1951

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0.7	0	0	0	14.0	0	0	0	0	0	0
2	0	0.1	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0.9	0	0	0	0	0
4	0	0	0	1.3	0	0	5.5	0	0	0	0	0
5	0	0	0.1	0.4	0	0	0	0	0	0	0	0
6	0	0	0.3	0	0	0	0	0	0	0	0	0
7	0	0	0.5	0	0	0	0	0	0	0	0	0
8	0	0	0.5	0	0	0	0	0	0	0	0	0
9	0	0	0.2	0	0	0	0	0	0	0	0	0
10	0	0	0	1.1	0	0	0	0	0	0	0	0
11	0	0	0.2	5.5	0	0	0	0	0	0	0	0
12	0	0	0.4	+	0	0	0	0	0	0	0	0
13	0	12.9	0.2	0	0	0	0	0	0	0	0	0
14	0	7.7	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
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	3.6	0	0	0	0	0	0	0	0	0	0
19	0	3.9	0	0	0	0	0	0	0	0	0	0
20	0	1.2	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	1.6	0	0	0	0	0	0	0
23	0	0	0	0	0.9	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0.1	0	0	0	0	0	9.3	0	0	0	0	0
26	4.2	0	0		2.4	0	0	0	0	0	0	0
27	0	0	0	0	1.6	0	0	0	0	0	0	0
28	0	0	0	0	0	0	8.6	0	0	0	0	0
29	0	0	0	21		0	1.2	0	0	0	0	0
30	0	0	0	0		0	0	0	0	0	0	0
31	0		0	0		0		0		0		
	4.3	30.1	2.4	29.3	6.5	14.0	25.5	0	0	0	0	0
MEAN	0.14	1.00	0.08	0.95	0.23	0.45	0.85	0	0	0	0	0
ACRE-FEET	8.5	60.	4.8	58.	13.	28.	51.	0	0	0	0	0

Remarks: + = 0.05 c.f.s. or less

YEAR OR PERIOD MEAN .307
ACRE-FEET 223.

STATION F106-R

TUJUNGA WASH - CENTRAL BRANCH at Magnolia Blvd.

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: INDETERMINATE DUE TO A NATURAL SPLIT WHICH DIVIDES TUJUNGA WASH INTO TWO BRANCHES.

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, 1949 TO SEPTEMBER 30, 1951.

REGULATION: FLOW PARTIALLY REGULATED BY HANSEN DAM, BIG TUJUNGA DAM AND HAINES DEBRIS BASIN.

DIVERSION: SOME WATER DIVERTED FOR IRRIGATION NEAR THE MOUTH OF BIG TUJUNGA CANYON AND FOR SPREADING AT HANSEN SPREADING GROUNDS BELOW HANSEN DAM.

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, 1951.

EXTREMES OF DISCHARGE:
1949-50
MAXIMUM 35 SECOND-FEET, JANUARY 8
MINIMUM NO FLOW MOST OF YEAR.
1950-51
MAXIMUM 39 SECOND-FEET, NOVEMBER 13.
MINIMUM NO FLOW MOST OF YEAR.
1930-51
MAXIMUM DISCHARGE NOT DETERMINED, MARCH 2, 1938.
MAXIMUM DISCHARGE OF RECORD, 3,110 SECOND-FEET, JANUARY 1, 1934
MINIMUM NO FLOW MOST OF YEAR.

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

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

DISCHARGE MEASUREMENTS OF TUJUNGA WASH - CENTRAL BRANCH

AT ~~NEAR~~ Magnolia Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 19 50

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
135	12-18	1157 / 1202	BLAKELY - SPENCER	10.5	4.78	2.80	5.19	13.4		.5	6	0	FC35

DISCHARGE MEASUREMENTS OF TUJUNGA WASH - CENTRAL BRANCH

AT ~~NEAR~~ Magnolia Blvd. DURING THE YEAR ENDING SEPTEMBER 30, 19 51

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
136	1-29	1308 / 1318	SPENCER - LANG	25.3	10.1	2.61	5.06	26.4	SURF.		9	-05	FC12
137	3-1	0905 / 0915	LANG	7.5	0.83	0.83	4.68	0.69	SURF.	.5	8	-01	"

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F108R

Daily discharge, in second-feet of TUJUNGA WASH - CENTRAL BRANCH at Magnolia Boulevard, for the year ending September 30, 19 50

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	0				
2	0	0	0	0	0	0	0	0				
3	0	0	0	0	0	0	0	0				
4	0	0	0	0	0	0	0	0				
5	0	0	0	0	0	0	0	0				
6	0	0	0	0	2.6	0	0	0				
7	0	0	0.4	0	0	0	0	0				
8	0	0	1.7	3.8	0	0	+	0				
9	0	1.5	+	+	0	0	0	0				
10	0	2.1	0.1	0	0.5	0	0	0				
11	0	0	0	1.2	0	0	0	0				
12	0	0	0	0.7	0	0	0	0				
13	0	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	Recorder stopped for summer				0
17	0	0	0	0	0	0	0					a 0.3
18	0	0	6.7	0	0	0	0					0
19	0	0	0.4	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	0	0					
24	0	0	0	0	0	+	0					0
25	0	0	0	0	0	+	0					0
26	0	0	0	0	0	0	0					0
27	0	0	0	0	0	0	0					0
28	0	0	0	0.2	0	0	0					0
29	0	0	0	0.1		0	0					0
30	0	0	0	0		0	0					0
31	0		0	0		0						
	0	3.6	9.3	6.0	3.1	+	+	0				0.3
MEAN	0	0.12	0.30	0.19	0.11	+	+					* 0.01
ACRE-FEET	0	7.1	18.	12.	6.1	+	+	0	0	0	0	0.6

Remarks: + = 0.05 c.f.s. or less.

YEAR OR PERIOD MEAN .061
ACRE-FEET 44.

76D74M F C. Dist. 52 9-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

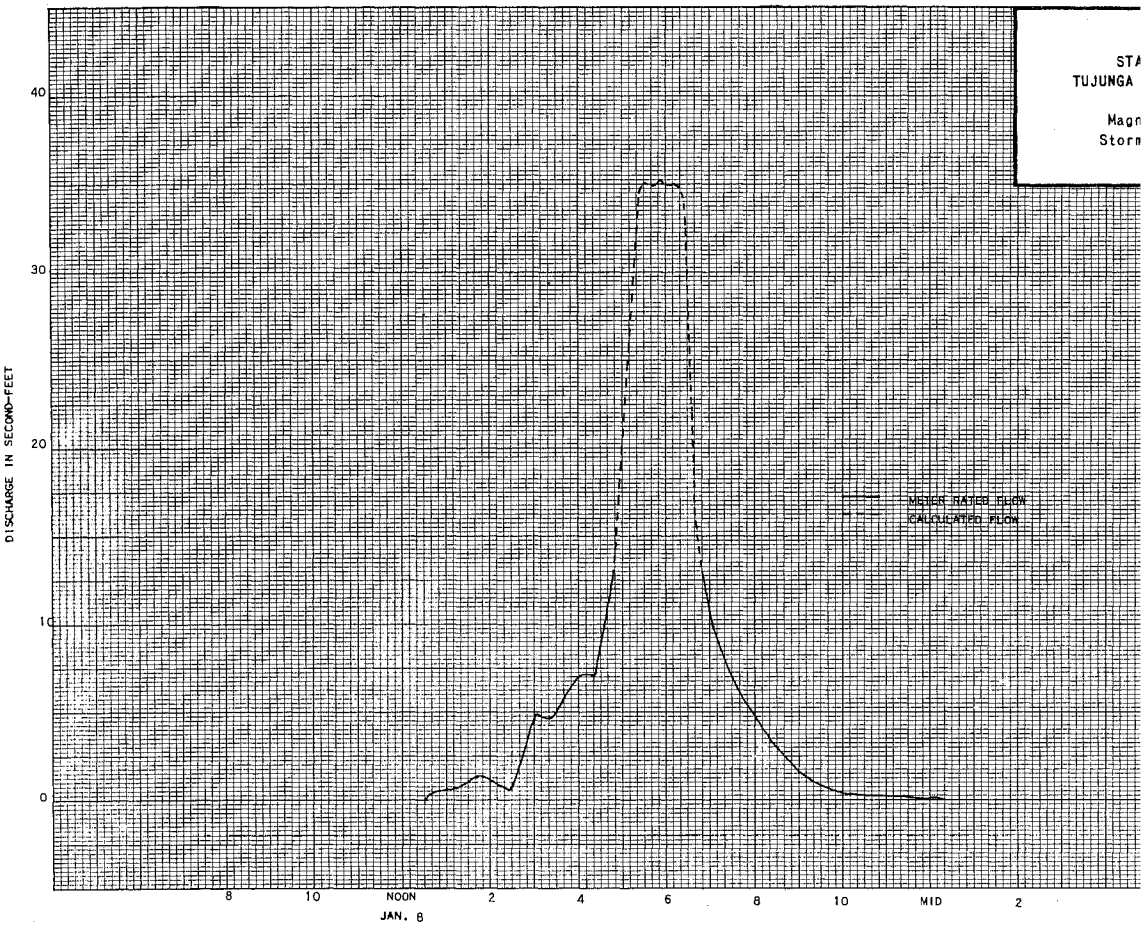
Sta. No. F108R

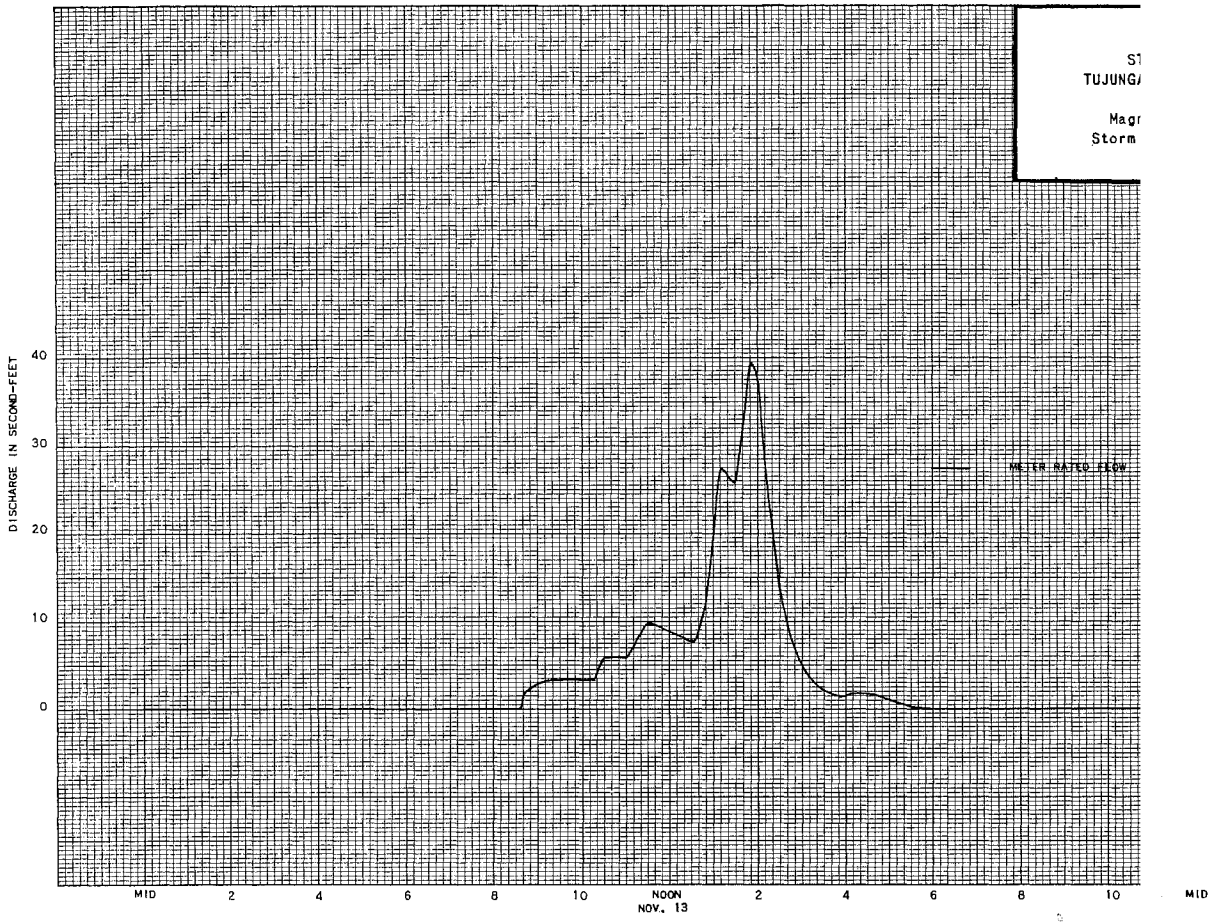
Daily discharge, in second-feet of TUJUNGA WASH - CENTRAL BRANCH at Magnolia Boulevard, for the year ending September 30, 19 51

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	1.9	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	0.2	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	3.3	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	1.1	0	0	0	0	0	0	0
23	0	0	0	0	1.3	0	0	0	0	0	0	0
24	0	0	0	0	0.1	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	1.2	0	0	0	0	0	0	0
27	+	0	0	0	0.6	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	2.3	+	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	
		3.3	0	2.5	4.3	1.9	+	+	0	0	0	0
MEAN		0.11	0	.081	0.15	0.06	+	+	0	0	0	0
ACRE-FEET	+	6.5	0	5.0	8.5	3.8	+	+	0	0	0	0

Remarks: + = 0.05 c.f.s. or less.

YEAR OR PERIOD MEAN .033
ACRE-FEET 24.


STA
TUJUNGA
Magn
Storm
DISCHARGE IN SECOND-FEET
40
30
20
10
0
METER RATED FLOW
CALCULATED FLOW
8
10
NOON
2
4
6
8
10
MID
2
JAN. 8


S1
TUJUNGA
Magr
Storm
DISCHARGE IN SECOND-FEET
40
30
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METER RATED FLOW
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NOV. 13

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

RECORDER: INSTALLED DECEMBER 7, 1949 OVER AN 18-INCH DIAMETER CORRUGATED IRON PIPE STILLING WELL. AN H.C.F. RECORDER WAS IN SERVICE FROM DECEMBER 7, 1949 TO SEPTEMBER 30, 1951.

REGULATION AND/OR DIVERSIONS: NONE

RECORDS AVAILABLE: DECEMBER 7, 1949 TO SEPTEMBER 30, 1951.

EXTREMES OF DISCHARGE:

1949-50
MAXIMUM OF RECORD 321 SECOND-FEET, FEBRUARY 6
MINIMUM, NO FLOW MOST OF YEAR.

1950-51
MAXIMUM 127, SECOND-FEET JANUARY 29
MINIMUM, NO FLOW PART OF 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 ~~NEAR~~ Anaheim Street DURING THE YEAR ENDING SEPTEMBER 30, 19 50

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1	12-18	1758 / 1812	BONADIMAN - GEORGE	29.7	86.4	0.24	5.17	20.9		.6	5	-.02	FC19
2	12-19	1446 / 1452	BONADIMAN	4.0	2.75	1.60	4.70	4.4		.6	4	0	"
3	1-9	0101 / 0111	BONADIMAN - GEORGE	16.2	8.28	0.61	2.18	5.1		.6	5	-.02	"
4	1-11	1534 / 1543	REINHARD - BONADIMAN	25.2	35.9	1.96	3.15	70.4		.6	7	-.02	"
5	1-11	1543 / 1552	"	25.2	35.0	1.70	3.13	60.0		.6	7	-.02	"
6	1-12	1625 / 1635	"	19.8	17.2	1.17	2.38	20.2		.6	6	0	"
7	2-6	0850 / 0900	BONADIMAN - GEORGE	30.0	106.	2.95	5.44	313.		.6	7	+.02	"
8	2-6	0902 / 0912	"	30.0	103.	2.96	5.45	305.		.6	7	0	"
9	2-10	1402 / 1414	BONADIMAN	20.4	25.0	1.20	2.62	29.9		.6	6	0	"
10	2-11	1308 / 1314	"	5.0	1.60	0.52	1.68	0.84		.5	3	0	"
11	3-24	2322 / 2334	BONADIMAN - GEORGE	20.4	17.6	0.80	2.11	14.0		.6	6	+.02	"
12	3-25	1312 / 1316	BONADIMAN	3.0	0.60	0.13	1.60	0.08		.5	2	0	"

DISCHARGE MEASUREMENTS OF BOUTON CREEK

AT ~~NEAR~~ Anaheim Street DURING THE YEAR ENDING SEPTEMBER 30, 19 51

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
13	11-14	1302 / 1312	BONADIMAN	17.0	15.5	0.15	2.45	2.4		.6	8	0	FC19
14	11-16	1410 / 1420	"	10.0	2.76	0.65	2.60	1.8		.5	7	0	"
15	1-16	1110 / 1122	"	28.8	57.9	0.21	3.60	12.0		.6	6	+.02	"
16	1-29	1654 / 1700	BONADIMAN-WOOD	19.2	34.1	0.79	3.09	27.0		.6	6	-.06	"
17	2-23	1238 / 1242	BONADIMAN	TWO	CHANNELS		2.47	4.3		.6	7		"
18	3-1	1232 / 1240	HOLLERAN-BONADIMAN	16.0	21.9	0.67	3.23	14.7		.6	5	0	"
19	4-25	1538 / 1542	BONADIMAN	12.8	5.38	0.13	2.02	0.70		.6	4	0	"
20	4-26	1432 / 1444	"	THREE	CHANNELS		1.90	0.40		.5	9	0	"
21	4-28	2330 / 2340	"	17.3	10.1	0.24	2.24	2.4		.6	5	0	"

F. C. Dist. Form 53 4-48

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F297R

Daily discharge, in second-feet of BOUTON CREEK at Anaheim Street, for the year ending September 30, 19 50

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1				0	1.1	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	7.5	0	0	0	0	0	0	0
7			0	0	2.1	0	0	0	0	0	0	0
8			0	1.2	1.5	0	0.7	0	0	0	0	0
9			0	1.4	0.7	0	+	0	0	0	0	0
10			0	1.1	9.8	0	0	0	0	0	0	0
11			0	1.7	1.6	0	0	0	0	0	0	0
12			0	1.3	0	0	0	0	0	0	0	0
13			0	1.8	0	0.8	0	0	0	0	0	0
14			0	1.6	0	0	0	0	0	0	0	0
15			0	1.8	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			3.2	0	0	0	0	0	0	0	0	0
19			3.7	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	1.9	0	0	0	0	0	0
25			0	0	0	3.3	0	0	0	0	0	0
26			0	0	0	0.2	0	0	0	0	0	0
27			0	0	0	0	0	0	0	0	0	+
28			0	1.8	0	0	0	0	0	0	0	0
29			0	9.3		0	0	0	0	0	0	0
30			0	0.9		0	0	0	0	0	0	0
31			0	1.2		0		0		0	0	
			6.9.0	62.9	91.8	6.2	0.7	0	0	0	0	+
MEAN			2.76	2.03	3.12	0.20	0.02	0	0	0	0	0
ACRE-FEET			137.	125.	182.	12.	1.4	0	0	0	0	0

Remarks: Record began December 7, 1949

YEAR OR PERIOD MEAN
ACRE-FEET 457.4

TEDT4M F. C. Dist. 53 9-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

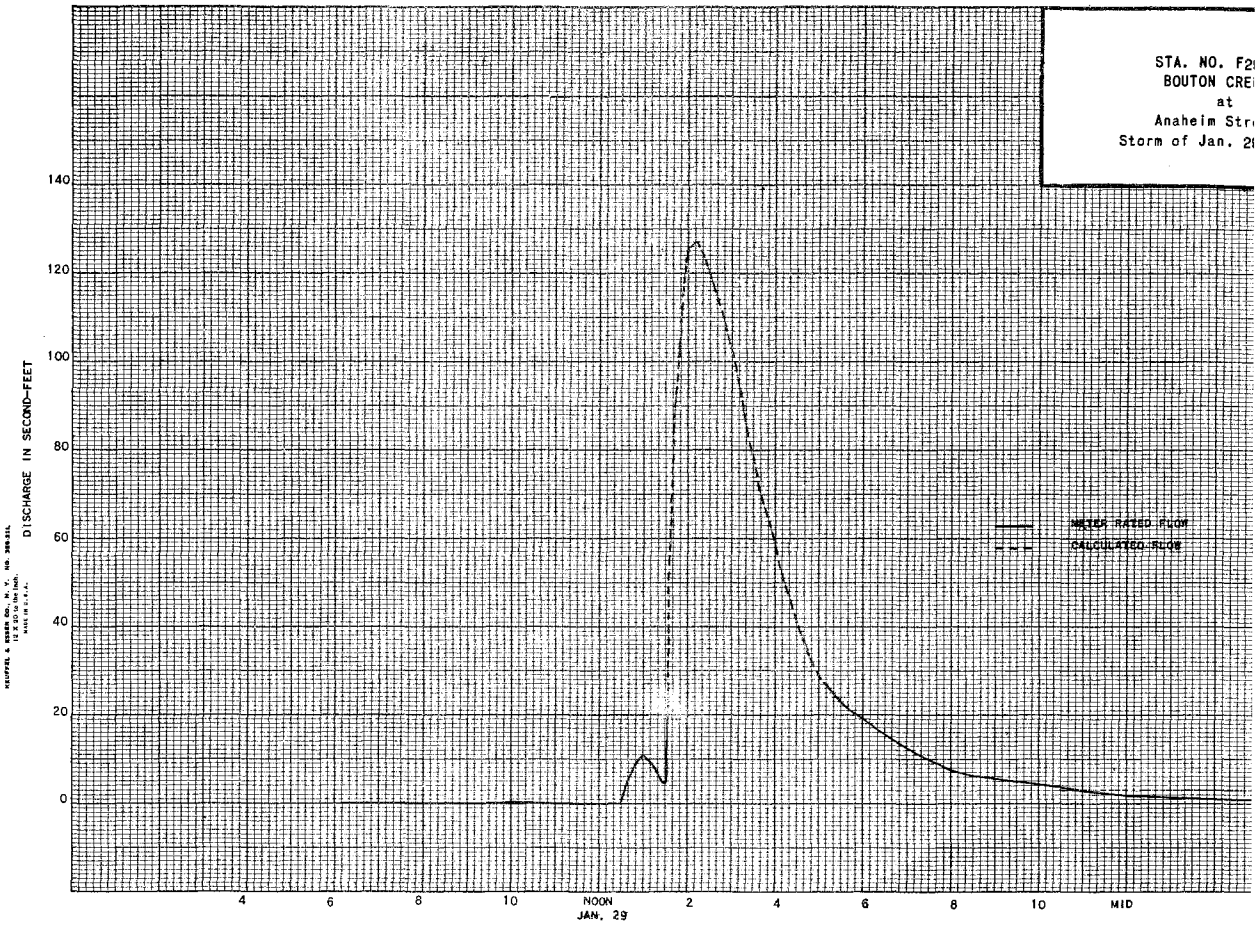
Sta. No. F297-R

Daily discharge, in second-feet of BOUTON CREEK at Anaheim Street, for the year ending September 30, 19 51

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	9.6	0	0	0	0	0	0.2
2	0	0	0	0	0	2.4	+	0	0	0	0.1	0
3	0	0	0	0	0	0.2	0.2	0	0	0	0.1	0
4	0	0	0	0	0	0	5.4	0	0	0	+	0
5	0	0	0	0	0	0	0.7	0	0	0	+	0
6	0	0	0	0	0	0	0.1	0	0	0	+	0
7	0	0	0	0	0	0	+	0	0	0	+	0
8	0	0	0	0	0	0	+	0	0	0	0.1	0
9	0	0	0	0	0	0	0	0	0	0	0.1	0
10	0	0	0	1.7	0	0	0.1	0	0	0	+	0
11	0	0	0	0.6	0	0	0.1	0	0.3	0	0.1	0
12	0	0	0	0.2	0	0	0.1	0	0	0	+	0
13	0	1.1	0	0	0	0	0.3	0	0	0	+	0
14	0	3.1	0	0	0	0	0.1	0	0	0	0.1	0
15	0	+	0	0	0	0	0	0	0	0	+	0
16	0	0.9	0	4.8	0	0	0	0	0	0	0.1	0
17	0	0	0	0.4	0	0	0	0	0	0	+	0
18	0	0	0	0	0	0	0	0	0	0		0
19	0	+	0	1.0	0	0	0	0	0	0		0
20	0	+	0	+	0	0	0	0	0	0		0
21	0	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	4.7	0	0	0	0	0		0
24	0	0	0	0	3.0	+	0	0	0	0		0
25	0	0	0	0	0.1	0	0.3	0	0	0	+	0
26	0	0	0	0	1.2	+	0.4	0	0	0	0	0
27	0	0	0	0	3.5		0	0	0	0	+	0
28	0	0	0	0	0.1		0.3	0	0	0	+	0
29	0	0	0	1.4			2.2	0	0	0	0.1	0
30	0	0	0	0.5		+	0.3	0	0	0	0	0
31	0		0	0		0.1		0		0	0	
	0	5.1	0	23.2	12.6	12.3	10.6	0	0.3	0	0.8	0
MEAN	0	0.17	0	0.75	0.45	0.40	0.35	0	0.01	0	.026	.007
ACRE-FEET	0	10.	0	46.	25.	24.	21.	0	0.6	0	1.6	0.4

Remarks: + = 0.05 c.f.s. or less.

YEAR OR PERIOD MEAN 0.16
ACRE-FEET 129.



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.

RECORDS AVAILABLE: AT OFFICE OF CORPS OF ENGINEERS, DEPARTMENT OF THE ARMY, 751 SOUTH FIGUEROA STREET, LOS ANGELES. FROM OCTOBER 1949 TO SEPTEMBER 30, 1951.

REGULATION AND/OR DIVERSIONS: NONE.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE CORPS OF ENGINEERS, DEPARTMENT OF THE ARMY. THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT COOPERATES WITH THE CORPS OF ENGINEERS BY ASSISTING IN THE MAINTENANCE AND OPERATION AND BY MAKING ROUTINE STREAM FLOW MEASUREMENTS.

DISCHARGE MEASUREMENTS OF BURBANK WESTERN STORM DRAIN

AT NEAR Riverside Drive DURING THE YEAR ENDING SEPTEMBER 30, 19 50

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
58	10-6	1120 / 1128	BLAKELY	17.0	3.29	0.91	0.08	3.0		.5	8	0	FC35
59	10-20	1144 / 1154	REINHARD - BLAKELY	15.0	2.23	0.94	0.06	2.1		.5	7	0	"
60	11-3	1144 / 1154	BLAKELY	16.0	2.82	1.03		2.9		.5	7		"
61	11-17	1227 / 1235	"	25.0	3.54	0.71	0.03	2.5		.5	7	0	"
62	12-1	1206 / 1212	"	10.0	2.00	1.30	0.05	2.6		.5	6	0	"
63	12-5	1330 / 1338	"	15.0	1.30	2.31	0.03	3.0		FLOATS	5	0	
64	1-19	1420 / 1427	"	15.0	1.69	2.96	0.06	5.0		"	5	0	
65	2-9	1245 / 256	"	30.0	3.60	1.86	0.04	6.7		"	6	0	
66	2-23	0859 / 0907	"	16.0	1.80	2.44		4.4		"	5		
67	3-9	1244 / 252	"	14.0	1.50	2.67	0.03	4.0		"	4	0	
68	3-23	1208 / 1216	"	16.0	1.65	2.67	0.04	4.4		"	4	0	
69	4-6	1308 / 1316	"	15.0	1.75	2.28	0.04	4.0		"	6	0	
70	4-20	1244 / 1254	"	34.0	3.83	1.46		5.6		"	6		
71	4-27	0904 / 0912	BLAKELY - BROWN	17.5	2.87	1.29		3.7		.5	6		FC48H
72	5-18	1510 / 1520	BLAKELY	36.0	4.16	0.72		3.0		FLOATS	9		
73	6-1	1410 / 1418	"	16.0	1.68	1.55	0.05	2.6		"	4	0	
74	6-14	1349 / 1355	TURNER	19.0	3.29	0.97		3.2		.5	6		FC43
75	6-30	1322 / 1326	BLAKELY	36.0	5.08	0.82		4.2		FLOAT	9		
76	7-13	1344 / 1350	TURNER	15.0	2.70	1.07	0.05	2.9		.5	5	0	FC43
77	7-27	1037 / 1043	SPENCER	13.0	2.52	0.64		1.6		.5	4		FC35
78	8-3	1044 / 1050	LANG - TURNER	18.1	4.26	0.54		2.3		.5	6		FC12
79	8-10	1212 / 1228	LANG	19.9	5.74	0.35	0.07	2.0		.5	8	0	"
80	8-17	1147 / 1200	"	19.6	4.73	0.46		2.2		.5	7		"
81	8-24	1240 / 1250	"	19.7	4.90	0.47		2.3		.6	6		"
82	8-31	1303 / 1313	"	21.0	5.76	0.52		3.0		.6	7		"
83	9-7	1130 / 1146	"	29.9	7.18	0.46		3.2		.6	10		"
84	9-14	1235 / 1255	"	25.8	4.19	0.52		2.2		.5	9		"
85	9-21	1237 / 1249	"	24.2	3.68	0.62		2.3		SURF.	8		"
86	9-28	1400 / 1410	"	25.0	3.32	0.36		1.2		SURF.	7		"

DISCHARGE MEASUREMENTS OF BURBANK WESTERN STORM DRAIN

AT NEAR Riverside Drive

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	ME VELO FT.PE
87	10-5	1238 / 1300	THOMAS - LANG	25.0	3.55	0
88	10-13	1209 / 1222	LANG	25.5	3.93	0
89	10-19	1210 / 1224	"	25.0	4.00	0
90	10-26	1235 / 1248	"	24.7	3.94	0
91	11-2	1348 / 1400	"	24.3	3.90	0
92	11-9	1206 / 1219	"	24.5	3.72	0
93	11-16	1232 / 1245	"	33.5	2.82	0
94	11-22	1205 / 1224	"	35.6	4.40	0
95	11-30	1325 / 1342	"	35.0	3.30	0
96	12-7	1316 / 1330	"	34.3	3.45	0
97	12-14	1240 / 1300	"	34.0	2.98	0
98	12-21	1315 / 1337	"	33.0	4.52	0
99	12-28	1222 / 1239	"	34.0	4.64	0
100	1-4	1220 / 1228	THOMAS - LANG	25.0	4.40	0
101	1-11	1310 / 1320	LANG	11.0	1.85	1
102	1-18	1235 / 1241	"	12.5	1.52	1
103	1-25	1216 / 1222	"	14.5	1.55	2
104	2-1	1308 / 1320	"	13.0	1.19	2
105	2-8	1118 / 124	"	14.2	1.25	1
106	2-15	1200 / 1208	"	13.3	1.36	1
107	2-21	1125 / 133	"	14.8	1.52	1
108	3-1	1435 / 1455	"	46.0	15.7	1
109	3-8	1224 / 1236	"	13.6	1.46	1
110	3-15	1235 / 1248	"	19.0	2.07	2
111	3-22	1227 / 1238	"	17.0	1.59	1
112	3-29	1250 / 1305	"	14.2	1.63	2
113	4-5	1236 / 1244	"	16.0	1.41	1
114	4-12	1201 / 1220	"	COMPOSITE MEAS.		
115	4-19	1306 / 1318	"	34.0	3.34	0
116	5-3	1242 / 1255	"	33.3	2.90	0
117	5-10	1200 / 1212	"	18.0	4.37	0
118	5-17	1159 / 1211	"	11.6	3.33	0
119	5-24	1232 / 1248	"	11.2	3.19	0
120	5-31	1208 / 1229	"	11.3	3.31	0
121	6-7	1415 / 1432	THOMAS	14.5	1.71	1
122	6-14	1152 / 1208	LANG	34.5	4.56	0
123	6-21	1341 / 1351	BLAKELY	36.0	3.88	0
124	7-6	1402 / 1412	"	36.0	4.92	0
125	7-18	1300 / 1310	"	40.0	6.38	0
126	8-2	1325 / 1340	"	38.0	5.25	0
127	8-16	1427 / 1435	"	36.0	5.84	0
128	8-30	1500 / 1508	"	38.0	6.62	0
129	9-13	1245 / 1253	"	35.5	5.73	0
130	9-27	1408 / 1420	"	12.0	2.52	1

STATION F270-R

CALABASAS CREEK at Ventura Blvd.

LOCATION: WATER-STAGE RECORDER, LAT. 34°09'27", LONG. 118°38'18", ON THE RIGHT (EAST) BANK OF CALABASAS CREEK NEAR THE UPSTREAM END OF A CONCRETE HORSE-SHOE CULVERT UNDER VENTURA BOULEVARD, AND ABOUT 100 FEET WEST OF THE WESTERLY CITY LIMITS OF LOS ANGELES. ELEVATION OF ZERO GAGE HEIGHT, 916.24 FEET.

DRAINAGE AREA: 2.4 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - SAND AND CLAY ADOBE. CONTROL - ENTRANCE TO A CONCRETE HORSE-SHOE CULVERT, 6.0 FEET WIDE AND 5.0 FEET DEEP.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM FOOTBRIDGE 32 FEET ABOVE STATION.

RECORDER: INSTALLED FEBRUARY 17, 1940 OVER A 24-INCH CORRUGATED IRON PIPE STILLING WELL. AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1949 TO DECEMBER 12, 1950.

REGULATIONS AND /OR DIVERSIONS: SOME REGULATION BY SMALL DAMS UPSTREAM.

RECORDS AVAILABLE: FEBRUARY 17, 1940 TO DECEMBER 12, 1950.

EXTREMES OF DISCHARGE:

1949-50
NO FLOW ENTIRE YEAR.

1950-51
NO FLOW DURING PERIOD OF RECORD.

1940-51
MAXIMUM 551 SECOND-FEET, FEBRUARY 20, 1941.
MINIMUM NO FLOW MOST OF EACH YEAR.

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

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, 1949 TO SEPTEMBER 30, 1951.

REGULATION AND/OR DIVERSION: NONE.

RECORDS AVAILABLE: DECEMBER 27, 1945 TO SEPTEMBER 30, 1951. SOME STREAM FLOW MEASUREMENTS ARE AVAILABLE FOR EARLIER YEARS.

EXTREMES OF DISCHARGE:

1949-50
NO FLOW ENTIRE YEAR.

1950-51
NO FLOW ENTIRE YEAR.

ACCURACY: FAIR.

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

STATION F378-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 GAGE 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. AN H.C.F. RECORDER WAS IN SERVICE FROM OCTOBER 1, 1949 TO SEPTEMBER 30, 1951.

REGULATION: NONE.

DIVERSIONS: NONE.

RECORDS AVAILABLE:
AT STATION F37-R - JANUARY 22, 1928 TO JUNE 9, 1938.
AT STATION F378-R - OCTOBER 3, 1938 TO SEPTEMBER 30, 1951.

EXTREMES OF DISCHARGE:
1949-50
MAXIMUM 2830 SECOND-FEET, FEBRUARY 6
MINIMUM + FLOW, MAY 8.
1950-51
MAXIMUM 1770 SECOND-FEET, JANUARY 10
MINIMUM + FLOW ON MARCH 4.
1928-51 (STATIONS F37-R AND F378-R)
MAXIMUM DISCHARGE NOT DETERMINED, OVERFLOWED BANKS MARCH 2, 1938.
MAXIMUM DISCHARGE OF RECORD, 3,010 SECOND-FEET, NOVEMBER 11, 1944.
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, 1950

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. IND	METH. OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
426	10-13	1011 / 1019	BONADIMAN	30.0	8.45	0.17	0.49	1.4		.5	4	0	FC19
427	11-3	0958 / 1006	"	30.0	9.30	0.23	0.49	2.1		.5	4	0	"
428	11-10	0950 / 1000	BONADIMAN - JOHNSON	60.0	102.	2.70	2.00	266.		.6	9	-.08	"
429	11-11	1122 / 1130	BONADIMAN	12.0	2.85	0.53	0.38	1.5		.5	4	0	"
430	11-17	0950 / 0956	"	35.0	12.3	0.11	0.38	1.3		.5	4	0	"
431	12-1	1032 / 1040	"	35.0	13.6	0.32	0.46	4.3		.5	4	0	"
432	12-8	0940 / 0952	BONADIMAN - JOHNSON	36.5	18.1	0.74	0.60	13.3		.6	9	-.03	"
433	12-15	1002 / 1010	BONADIMAN	9.0	3.21	0.84	0.43	2.7		.5	4	0	"
434	12-18	1230 / 1240	BONADIMAN - GEORGE	60.0	138.	3.04	2.22	419.		.6	8	-.09	"
435	12-19	1028 / 1038	"	36.0	13.6	0.36	0.50	4.9		.6	5	0	"
436	12-29	1012 / 1018	BONADIMAN	10.0	2.50	0.37	0.40	0.92		.5	4	0	"
437	1-8	2142 / 2154	BONADIMAN - GEORGE	60.0	73.3	2.91	1.52	213.		.6	8	-.20	"
438	1-11	1402 / 1414	REINHARD - BONADIMAN	60.0	109.	3.19	1.99	348.		.6	10	-.03	"
439	1-12	1241 / 1253	"	60.0	143.	3.72	2.35	532.		.6	9	-.10	"
440	1-19	0940 / 0950	BONADIMAN	21.0	5.47	0.26	0.41	1.4		.5	5	0	"
441	2-2	0940 / 0950	"	9.0	4.50	0.42	0.40	1.9		.5	4	0	"
442	2-16	0944 / 0950	"	6.0	1.85	0.86	0.40	1.6		.5	4	0	"
443	3-2	0938 / 0946	"	6.0	1.50	0.45	0.39	0.67		.5	4	0	"
444	3-16	1004 / 1010	"	5.0	2.37	0.46	0.40	1.1		.6	4	0	"
445	4-6	0938 / 0944	"	6.0	2.10	0.62	0.41	1.3		.6	4	0	"
446	4-20	0952 / 1000	"	6.0	2.19	0.55	0.40	1.2		.5	4	0	"
447	5-4	0952 / 1000	"	4.0	1.19	0.33	0.38	0.39		.5	3	0	"
448	5-11	1033 / 1038	"	4.0	1.30	0.35	0.39	0.45		.5	3	0	"
449	5-24	1002 / 1012	"	37.0	13.7	0.26	0.48	3.6		.6	6	0	"
450	6-8	0950 / 0956	"	6.0	2.33	0.60	0.45	1.4		.6	4	0	"
451	6-22	0936 / 0942	"	6.0	1.88	0.64	0.44	1.2		.6	4	0	"
452	7-6	0952 / 1000	"	16.0	4.62	0.30	0.44	1.4		.5	5	0	"
453	7-20	0940 / 0950	"	34.0	13.3	0.42	0.53	5.6		.6	7	0	"
454	7-27	1002 / 1010	"	17.0	5.30	0.26	0.45	1.4		.5	5	0	FC45
455	8-10	0942 / 0950	"	28.0	9.58	0.23	0.50	2.2		.6	5	0	FC19
456	8-24	0952 / 1000	"	30.0	11.0	0.15	0.46	1.2		.6	5	0	"
457	9-14	0925 / 0935	WADDICOR	6.5	2.20	0.41	0.44	0.91		.6	6	0	FC37
458	9-28	1022 / 1032	BONADIMAN	19.0	5.94	0.39	0.35	2.3		.6	6	0	FC19

DISCHARGE MEASUREMENTS OF COMPTON CREEK

AT OR NEAR Near Greenleaf Drive DURING THE YEAR ENDING SEPTEMBER 30, 1951

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.	G. HT. CHANGE TOTAL	METER NO.
459	10-13	1010 / 1024	THOMAS-BONADIMAN	34.5	12.1	0.32	0.52	3.9		.6	7	0	FC19
460	10-19	0932 / 0942	BONADIMAN	34.0	14.2	0.33	0.56	4.7		.6	8	0	"
461	10-26	1010 / 1020	"	5.0	1.33	0.93	0.45	1.2		.6	5	0	"
462	11-9	0958 / 1004	"	3.5	0.58	0.52	0.41	0.30		.5	4	0	"
463	11-16	0952 / 0958	"	4.5	0.83	0.41	0.37	0.34		.5	4	0	"
464	11-22	0952 / 1000	"	5.0	2.31	0.69	0.44	1.6		.5	6	0	"
465	12-7	1024 / 1030	"	4.0	1.29	0.55	0.39	0.71		.5	4	0	"
466	12-21	1004 / 1010	"	5.0	1.16	0.50	0.40	0.58		.5	4	0	"
467	1-4	1024 / 1032	"	5.0	1.12	0.71	0.40	0.80		.5	5	0	"
468	1-10	1227 / 1248	"	60.0	281.	6.08	4.75	1710.		.6	10	-.25	"
469	1-11	1022 / 1028	"	6.0	1.76	0.44	0.43	0.77		.5	4	0	"
470	1-16	1010 / 1024	"	48.0	45.4	2.09	1.20	94.9		.6	9	-.04	"
471	1-18	0932 / 0938	"	6.0	2.48	0.73	0.41	1.8		.5	4	0	"
472	1-19	0732 / 0744	HOLLERON-BONADIMAN	47.0	34.6	2.03	1.05	70.1		.6	11	-.04	"
473	1-25	1032 / 1038	BONADIMAN	6.0	1.40	1.14	0.39	1.6		.5	4	0	"
474	1-29	1110 / 1124	"	60.0	197.	4.45	3.61	878.		.6	11	+.20	"
475	1-29	1204 / 1222	"	60.0	253.	5.69	4.43	1440.		.6	11	-.02	"
476	2-8	1042 / 1048	"	5.0	1.43	0.65	0.39	0.93		.5	4	0	"
477	2-21	0954 / 1000	"	6.0	1.74	0.52	0.40	0.90		.5	4	0	"
478	2-23	1104 / 1114	"	50.0	49.6	1.60	1.17	79.2		.6	9	-.02	"
479	3-1	1112 / 1130	HOLLERON-BONADIMAN	60.0	92.5	1.85	1.95	171.		.6	11	-.14	"
480	3-8	1010 / 1016	BONADIMAN	4.0	1.25	1.04	0.40	1.3		.5	4	0	"
481	3-22	1002 / 1008	"	6.0	1.55	0.78	0.40	1.2		.6	5	0	"
482	4-12	1002 / 1008	"	4.0	0.75	0.93	0.38	0.70		.5	4	0	"
483	4-25	1418 / 1436	"	60.0	131.	2.19	2.10	287.		.6	8	+.26	"
484	4-26	1002 / 1010	"	7.0	1.92	1.77	0.45	3.4		.6	5	0	"
485	4-28	2220 / 2238	HOLLERON-BONADIMAN	45.0	92.6	2.02	2.17	187.		.6	8	-.22	"
486	5-3	1036 / 1042	BONADIMAN	5.0	0.97	1.03	0.38	1.0		.5	4	0	"
487	5-17	1012 / 1018	"	7.0	1.50	0.46	0.39	0.69		.6	4	0	"
488	6-7	1006 / 1012	"	6.0	1.43	0.52	0.42	0.74		.5	4	0	"
489	6-21	1036 / 1042	"	5.5	1.42	0.85	0.44	1.2		.5	5	0	"
490	7-6	1047 / 1050	"	4.0	1.00	0.54	0.40	0.54		.5	3	0	"
491	7-20	0948 / 0956	"	31.0	10.6	0.38	0.52	4.0		.6	6	0	"
492	8-9	1000 / 1006	"	4.0	0.90	0.56	0.44	0.50		.5	4	0	"
493	8-16	1010 / 1020	"	8.0	3.39	0.77	0.53	2.6		.6	6	0	"
494	8-23	1030 / 1038	"	9.0	2.85	0.73	0.48	2.1		.6	5	0	"
495	8-30	1024 / 1032	"	8.0	2.42	0.45	0.45	1.1		.6	5	0	"
496	9-13	1012 / 1018	WADDICOR	5.0	0.93	0.81	0.41	0.75		.6	6	0	"
497	9-20	1042 / 1052	BONADIMAN	45.5	16.1	0.41	0.53	6.6		.6	7	0	"

F. C. Dist. Form 32 4-46

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, 1950

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.9	0.8	3.4	1.0	1.6	0.6	0.7	0.5	1.0	d 1.7	3.0	1.0
2	1.9	1.1	d 3.4	0.7	1.2	0.6	0.7	0.8	1.0	1.6	3.4	1.1
3	0.8	1.6	3.4	1.2	1.6	0.6	0.4	0.4	0.6	1.6	3.4	0.5
4	1.6	1.6	3.4	1.1	1.6	0.6	1.2	0.1	0.5	1.5	3.4	0.8
5	1.6	0.8	3.4	1.1	2.6	0.6	1.6	0.1	0.4	1.4	3.0	1.1
6	1.6	0.8	3.4	1.0	433	0.4	1.9	0.1	0.8	1.4	2.6	1.6
7	1.2	0.5	3.4	1.0	4.4	0.6	1.6	0.2	1.0	2.0	1.9	1.6
8	1.1	1.6	51	281	1.6	0.8	17	+	1.0	2.6	2.3	0.8
9	0.8	45	5.0	6.4	1.2	0.8	65	0.1	1.1	3.2	3.0	0.6
10	0.1	191	3.4	1.1	65	1.0	1.9	0.2	1.0	3.8	2.3	0.2
11	0.6	3.0	3.2	86	3.4	0.8	1.1	0.2	0.7	4.4	0.8	+
12	0.8	2.3	3.0	51	1.0	0.8	1.0	0.2	0.2	5.0	0.7	0.6
13	1.2	2.3	2.8	2.6	0.7	0.1	1.0	0.2	1.0 d	5.6	0.1	0.6
14	1.1	1.9	2.7	8.6	1.1	0.7	0.8	0.4	1.1	7.9	0.1	0.5
15	0.7	1.9	2.6	3.0	1.1	1.0	0.5	0.4	1.2	6.4	0.4	0.7
16	0.7	1.9	2.9	1.0	1.1	0.8	0.5	0.8	1.1	5.6	0.6	1.2
17	0.2	2.3	d 3.2	1.2	1.1	0.8	0.5	1.1	0.7	4.1	0.7	26
18	0.7	3.4	324	1.2	1.0	0.7	0.7	1.2	0.5	4.8	0.7	4.4
19	0.8	3.0	46	1.2	1.1	0.8	0.8	2.3	0.4	5.6	1.0	3.4
20	0.7	3.4	1.9	1.1	0.5	0.5	1.0	1.9	1.0	5.6	0.5	1.6
21	1.0	1.9	1.1	1.1	0.8	1.0	1.9	1.0	1.0	5.6	0.7	1.6
22	0.2	3.0	1.2	1.1	0.8	1.1	1.2	1.0	1.0	7.1	1.0	1.6
23	0.4	3.0	1.2	1.0	1.0	1.0	0.7	2.3	1.0	4.4	1.1	1.6
24	0.2	3.0	0.8	1.1	0.8	124	1.0	2.6	1.0	4.4	1.6	1.6
25	0.6	1.9	0.7	1.0	0.7	39	1.1	3.4	0.7	3.4	1.0	1.0
26	0.8	2.6	0.4	1.1	0.7	1.9	1.1	3.4	0.4	3.0	1.1	1.0
27	1.0	3.0	0.1	1.1	0.4	0.8	1.0	1.9	0.8	1.9	0.5	1.0
28	1.0	1.9	0.1	17	0.6	1.1	1.1	1.1	1.1	3.7	0.5	1.9
29	0.7	3.0	0.7	21		0.8	0.7	0.6	1.9	3.7	1.1	3.7
30	0.7	3.4	1.0	3.7		0.7	0.5	1.1	1.8	3.4	1.1	4.1
31	0.5		0.8	1.9		0.8		0.6		3.0	1.1	
	27.2	296.9	463.6	503.6	531.7	185.8	110.2	30.2	27.0	119.4	44.7	67.4
MEAN	0.88	9.90	15.6	16.2	19.0	5.99	3.67	0.97	0.90	3.85	1.44	2.25
ACRE-FEET	54.	589.	959.	999.	1055.	369.	219.	60.	54.	237.	89.	134.

Remarks: + = 0.05 c.f.s. or less.

YEAR MEAN 6.65
OR
PERIOD ACRE-FEET 4820.

7501-1M F. C. Dist. 32 8-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

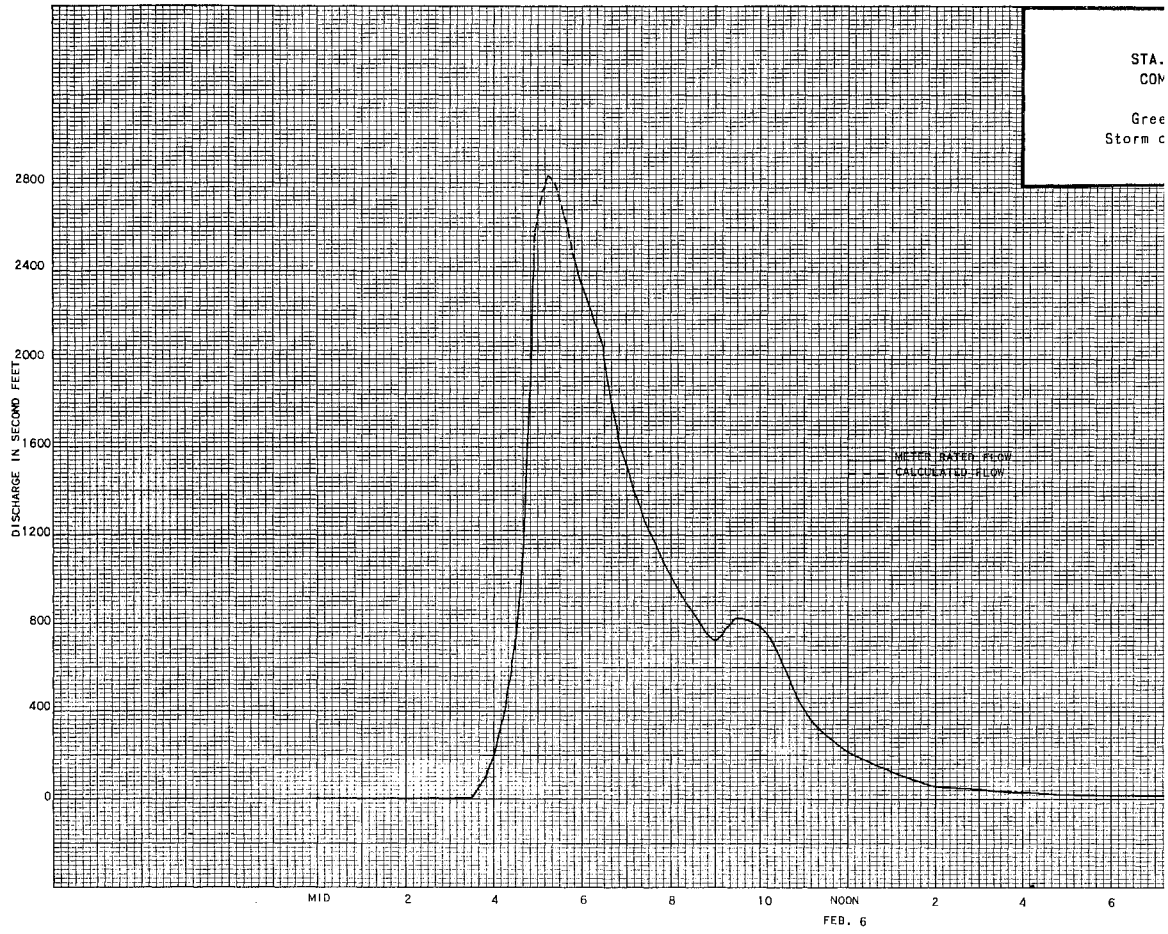
Sta. No. F378-R

Daily discharge, in second-feet of COMPTON CREEK near Greenleaf Drive, for the year ending September 30, 1951

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.5	0.5	0.8	+	0.8	62	0.5	0.7	0.5	0.8	1.6	1.2
2	0.4	0.8	0.6	1.0	1.1	0.2	0.5	0.8	0.5	1.1	1.1	1.0
3	0.2	1.6	0.6	1.9	1.1	0.7	13	0.8	0.4	1.0	1.1	0.6
4	0.6	1.6	0.7	1.6	0.6	+	119	0.6	0.4	0.8	0.7	1.1
5	1.1	0.6	0.8	3.4	0.6	1.0	1.2	0.7	0.6	0.8	0.4	1.1
6	1.6	0.6	0.8	1.0	0.8	1.1	0.7	0.7	1.1	0.6	0.6	1.1
7	1.6	0.5	0.8	0.7	1.0	0.2	0.6	0.8	0.8	0.8	0.8	1.9
8	1.0	0.7	0.8	0.5	1.1	0.7	0.4	1.0	0.8	2.6	0.8	2.3
9	1.0	0.4	0.7	1.0	1.1	0.4	0.5	1.0	1.0	1.0	0.8	1.2
10	1.2	0.1	0.5	150	1.1	0.7	0.7	1.2	0.7	0.8	0.5	1.2
11	1.6	0.2	1.0	61	0.6	0.5	0.6	1.1	0.8	0.7	0.5	2.6
12	3.4	0.5	0.7	0.7	0.5	0.4	0.6	0.7	1.0	0.7	0.4	1.9
13	4.1	1d1	1.1	0.4	1.0	1.1	0.6	0.7	1.0	0.8	0.5	1.9
14	4.1	8.2	0.7	+	1.0	1.1	0.6	8.7	1.0	1.0	1.0	2.3
15	2.3	1.0	0.8	0.1	0.8	1.1	0.5	0.8	1.1	0.8	1.9	3.4
16	1.1	0.7	0.8	69	1.0	1.2	0.5	0.7	1.1	1.2	3.0	1.6
17	1.6	0.7	0.5	1.6	1.0	1.2	0.6	0.6	1.0	3.7	2.6	1.9
18	1.9	1.6	0.4	4.2	0.5	1.0	0.8	1.0	0.8	4.4	3.7	4.8
19	2.6	13	0.6	28	0.4	0.8	0.7	0.7	1.2	3.7	1.2	5.6
20	1.2	4.1	0.6	2.3	0.7	0.8	0.8	0.8	1.2	4.1	1.0	5.6
21	1.0	2.3	0.6	1.1	1.0	1.1	0.8	0.6	1.2	4.1	1.9	7.1
22	0.7	2.6	0.6	1.0	1.1	1.0	0.7	0.7	1.2	1.9	1.9	7.1
23	1.1	2.6	0.6	1.9	136	1.1	0.8	0.6	1.1	0.8	1.9	3.4
24	3.0	0.8	0.1	1.9	6.8	1.1	0.8	0.6	1.0	0.8	2.3	2.3
25	3.0	0.8	0.4	1.9	1.1	1.1	82	0.6	0.8	0.8	2.6	3.4
26	1.6	0.8	0.2	1.9	40	0.6	4.4	0.5	0.8	1.2	1.2	2.6
27	11	0.8	0.7	1.9	23	1.0	2.3	0.4	0.8	1.6	1.2	2.6
28	1.2	0.8	0.7	1.1	1.2	1.0	130	0.1	1.0	2.6	3.0	2.3
29	0.6	0.8	0.7	209		1.0	15	0.4	1.1	1.2	4.4	2.3
30	0.6	0.8	0.7	1.2		0.7	0.8	0.4	1.2	0.7	1.1	1.6
31	0.6		0.4	0.8		0.7		0.4		1.9	1.9	
	57.5	231.5	200	552.1	227.0	86.6	381.0	29.6	27.2	49.0	47.6	79.0
MEAN	1.85	7.72	0.65	17.8	8.11	2.79	12.7	0.95	0.91	1.58	1.54	2.63
ACRE-FEET	114.	459.	40.	1090.	450.	172.	756.	59.	54.	97.	94.	157.

Remarks: + = 0.05 c.f.s. or less.

YEAR MEAN 4.90
OR
PERIOD ACRE-FEET 3550.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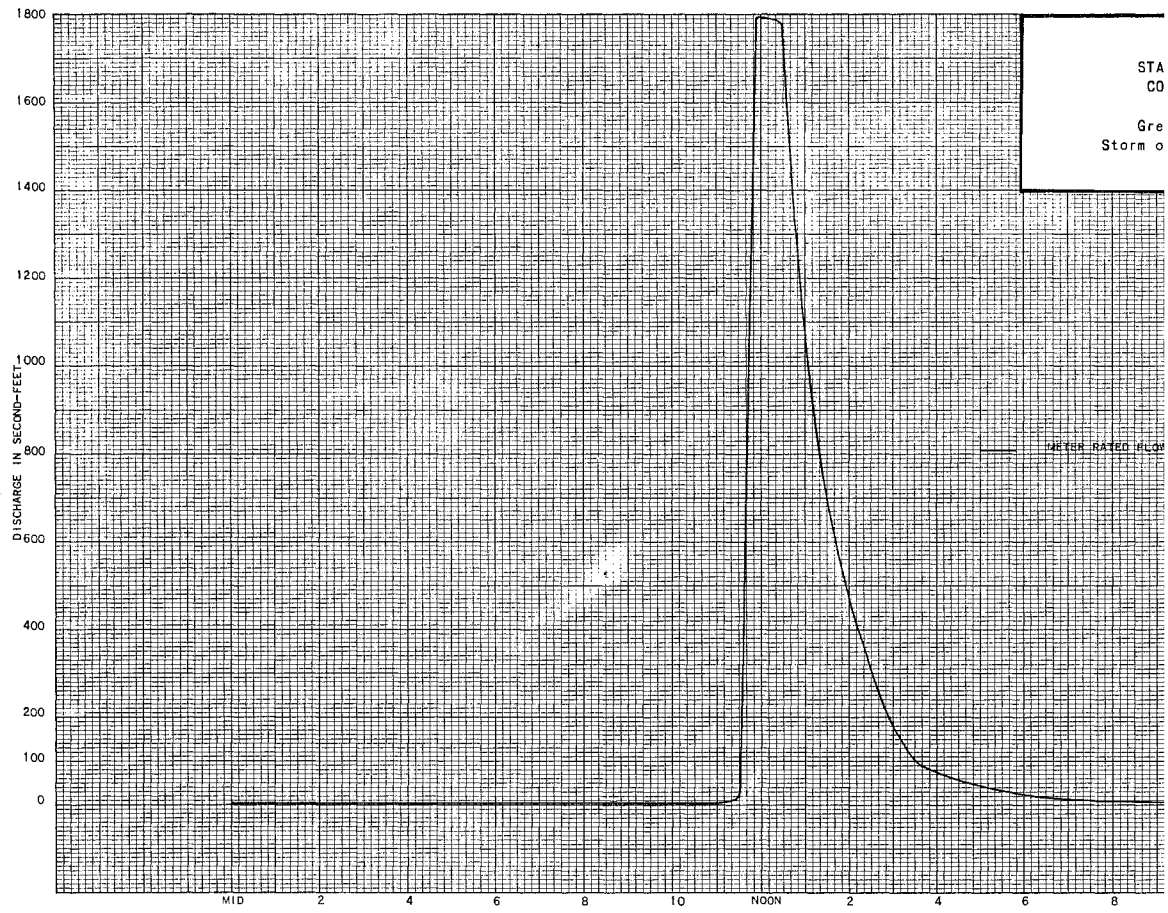
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STATION F41C-R

COYOTE CREEK at Del Amo Street

LOCATION: WATER-STAGE RECORDER, LAT. 33°50'47", LONG. 118°03'30" ON THE RIGHT (WEST) ABUTMENT AND DOWNSTREAM SIDE OF THE DEL AMO STREET (FORMERLY ANAHEIM STREET) HIGHWAY BRIDGE, 30 FEET ABOVE THE UPSTREAM SIDE OF PACIFIC ELECTRIC RAILROAD TRESTLE, AND 1.8 MILES SOUTHEAST OF ARTESIA. ELEVATION OF ZERO GAGE HEIGHT, 28.38 FEET.

DRAINAGE AREA: 110 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - CLAY, COVERED BY TULES DURING THE SUMMER MONTHS ONLY. CHANNEL FORMS CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM UPSTREAM SIDE OF P.E. RAILROAD TRESTLE.

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 OVER AN 18-INCH DIAMETER, CORRUGATED IRON PIPE STILLING WELL. AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1949 TO SEPTEMBER 30, 1951.

REGULATION: NONE.

DIVERSIONS: NONE.

RECORDS AVAILABLE:

AT STATION F41-R - STREAM 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 SEPTEMBER 30, 1951.

EXTREMES OF DISCHARGE:

1949-50
MAXIMUM 240 SECOND-FEET, FEBRUARY 6.
MINIMUM NO FLOW PART OF YEAR.
1950-51
MAXIMUM 12. SECOND-FEET, JANUARY 30.
MINIMUM NO FLOW PART OF YEAR.
1928-51 (STATIONS F41-R, F41B-R, AND F41C-R)
MAXIMUM 4,190 SECOND-FEET (AT STATION F41B-R) FEBRUARY 6, 1937.
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: FAIR.

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

DISCHARGE MEASUREMENTS OF COYOTE CREEK

AT ~~NEAR~~ Del Amo Street DURING THE YEAR ENDING SEPTEMBER 30, 1950

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
511	11-10	1554 / 1600	BONADIMAN - JOHNSON	8.0	3.40	0.35	4.76	1.2		.6	5	0	FC19
512	11-23	1510 / 1516	BONADIMAN	5.0	3.05	0.32	3.33	0.98		.5	3	0	"
513	12-1	1600 / 1610	"	5.0	4.85	0.39	3.57	1.9		.6	4	0	"
514	12-8	1430 / 1440	BONADIMAN - JOHNSON	8.0	6.70	0.30	3.57	2.0		.6	5	0	"
515	12-15	1450 / 1500	BONADIMAN	8.0	8.20	0.34	3.73	2.8		.6	5	0	"
516	12-19	1620 / 1630	BONADIMAN - GEORGE	22.0	27.2	0.32	4.50	8.8		.6	7	0	"
517	12-22	1640 / 1650	BONADIMAN	8.0	9.05	0.32	3.65	2.9		.6	4	0	"
518	12-29	1540 / 1550	"	8.0	9.35	0.36	3.60	3.4		.6	4	0	"
519	1-5	1540 / 1550	"	7.0	8.15	0.23	3.57	1.9		.6	4	0	"
520	1-12	1532 / 1542	REINHARD - BONADIMAN	54.0	118.	0.25	4.40	29.2		.6	7	0	"
521	1-26	1550 / 1600	BONADIMAN	9.0	11.8	0.56	3.54	6.6		.6	4	0	"
522	2-6	1528 / 1542	BONADIMAN - GEORGE	60.0	168.	0.97	5.62	162.		.6	7	-.02	"
523	2-7	0844 / 0854	"	60.0	120.	0.46	4.25	55.7		.6	7	-.02	"
524	2-9	1510 / 1520	BONADIMAN	9.0	9.80	0.57	3.32	5.6		.6	6	0	"
525	2-16	1600 / 1610	"	18.0	15.0	0.36	3.27	5.4		.6	4	0	"
526	3-2	1540 / 1550	"	16.0	9.20	0.48	3.27	4.4		.6	4	0	"
527	3-9	1540 / 1550	"	10.0	5.00	0.42	3.18	2.1		.6	4	0	"
528	3-23	1606 / 1612	"	6.0	1.92	0.35	2.90	0.68		.5	3	0	"
529	4-6	1520 / 1526	"	5.0	3.90	0.38	3.08	1.5		.6	3	0	"
530	4-13	1510 / 1516	"	7.0	6.60	0.36	3.02	2.4		.6	2	0	"
531	4-27	1522 / 1532	"	8.0	6.40	0.22	3.06	1.4		.6	4	0	"
532	5-11	1536 / 1540	"	4.0	3.80	0.14	3.33	0.53		.6	2	0	"
533	7-6	1450 / 1456	"	3.0	0.90	0.44	2.81	0.40		.5	3	0	"
534	7-27	1520 / 1526	"	7.0	3.35	0.15	2.93	0.50	FLOATS		4	0	"

DISCHARGE MEASUREMENTS OF COYOTE CREEK

AT ~~NEAR~~ Del Amo Street DURING THE YEAR ENDING SEPTEMBER 30, 1951

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
535	11-9	1620 / 1628	BONADIMAN	7.0	5.75	0.63	3.73	3.6		.6	6	0	FC19
536	11-14	1530 / 1540	"	6.5	5.50	0.87	4.31	4.8		.6	6	0	"
537	11-16	1530 / 1540	"	8.0	5.12	0.72	3.98	3.7		.6	6	0	"
538	11-22	1520 / 1528	"	7.0	3.45	0.38	4.03	1.3		.6	5	0	"
539	11-30	1520 / 1528	"	8.0	4.42	0.72	3.97	3.2		.6	6	0	FC46
540	12-7	1526 / 1534	"	7.0	5.05	0.69	4.03	3.5		.6	6	0	FC19
541	12-14	1540 / 1548	"	7.0	3.60	0.61	4.04	2.2		.6	6	0	"
542	12-21	1540 / 1550	"	7.0	4.02	0.87	4.00	3.5		.6	6	0	"
543	12-28	1540 / 1550	"	8.0	4.30	0.70	3.86	3.0		.6	6	0	"
544	1-18	1440 / 1448	"	8.0	4.80	0.88	4.09	4.2		.6	6	0	"
545	1-25	1550 / 1600	"	8.0	4.60	0.87	4.00	4.0		.6	5	0	"
546	2-1	1530 / 1538	"	7.0	5.75	0.70	4.09	4.0		.6	5	0	"
547	2-8	1550 / 1556	"	7.0	3.60	0.25	3.70	0.90		.6	5	0	"
548	2-15	1550 / 1556	"	7.0	4.10	0.61	3.81	2.5		.6	5	0	"
549	2-21	1530 / 1538	"	7.0	4.65	0.67	3.93	3.1		.6	5	0	"
550	3-8	1530 / 1540	"	8.0	7.69	0.61	4.02	4.7		.6	6	0	"
551	3-15	1512 / 1520	"	6.0	2.96	0.47	3.69	1.4		.6	5	0	"
552	4-12	1540 / 1548	"	7.0	6.55	0.18	3.67	1.2		.6	5	0	"
553	5-17	1552 / 1554	"	1.0	0.15	0.53	2.87	0.08		.5	3	0	"

F. C. Dist. Form 53 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F41C-R

Daily discharge, in second-feet of COYOTE CREEK at Del Amo Street (Artesia), for the year ending September 30, 19 50

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	1.9	2.5	7.2	3.4	1.6	0.6	0.4	4.4	0.4	1.8
2	0	0	2.0	2.2	6.8	3.8	2.1	0.6	2.1	3.0	2.0	2.2
3	0	0.2	2.0	1.9	9.3	3.7	1.8	1.1	2.2	1.2	1.1	3.2
4	0	0.3	1.9	2.0	9.5	3.7	2.0	0.8	1.4	0.7	0.9	2.4
5	0	0.3	1.7	1.6	9.5	2.5	2.0	0.4	0.4	0.6	0.8	1.5
6	0	0	1.8	1.7	8.9	2.2	1.4	0.2	0.6	0.4	0.8	1.0
7	0	0	1.9	1.7	5.3	2.2	1.4	0	1.6	0.4	0.7	0.8
8	0	0	2.0	1.8	1.2	2.2	1.4	0	1.0	1.5	1.2	1.1
9	0	0	2.0	3.9	5.5	2.1	3.1	0	1.6	1.3	1.1	2.0
10	0	0.9	1.9	2.4	6.6	2.2	6.1	0.4	1.6	0.8	1.2	2.2
11	0	0.4	2.1	2.8	1.4	2.1	3.1	0.4	0.8	0.6	1.3	3.0
12	0	0	2.7	31	7.2	2.0	1.9	0.5	0.6	0.4	1.8	3.0
13	0	0	2.8	13	5.4	1.7	2.4	0.4	1.1	1.4	1.9	3.3
14	0	0	2.9	6.5	4.9	1.8	3.1	0.3	1.5	3.2	1.0	3.4
15	0	0	2.8	5.9	5.1	1.5	3.1	0	1.2	1.8	0.8	2.5
16	0	0	2.9	5.5	5.5	1.0	3.1	0	0.7	1.7	0.8	2.4
17	0	0.3	3.0	6.3	5.2	1.1	2.7	0	0.5	1.1	1.1	2.3
18	0	0.4	3.2	6.3	4.9	0.9	1.8	0.2	0.4	1.0	0.7	1.9
19	0	0.6	6.7	5.9	4.6	1.4	1.6	1.0	0.3	1.5	1.4	1.3
20	0	1.1	6.1	6.3	4.6	1.1	2.1	1.0	0.2	2.0	1.7	2.4
21	0	1.1	3.2	6.3	4.7	1.0	3.1	0.9	0.5	2.0	1.4	3.0
22	0	0.8	2.8	5.9	4.6	1.0	2.4	0.2	1.4	1.9	2.4	3.3
23	0	1.0	2.7	5.5	4.3	0.8	1.1	0	0.6	1.5	2.1	3.6
24	0	1.8	2.7	5.9	2.8	0.8	0.9	0.8	0.6	0.8	1.4	3.5
25	0	1.3	2.8	6.3	2.1	1.5	0.8	1.3	0.9	0.8	1.1	2.2
26	0	1.6	2.8	6.3	2.1	5.1	1.7	1.3	0.5	0.8	1.3	1.3
27	0	2.0	2.9	6.6	2.3	3.3	2.7	0.8	0.4	0.9	1.6	0.8
28	0	2.0	3.0	6.8	2.5	2.7	1.5	0.5	0.4	0.6	1.2	2.6
29	0	2.0	3.3	8.3		3.0	1.3	0.3	0.5	0.5	1.2	2.9
30	0	2.0	2.9	7.0		2.5	0.6	0.4	0.6	0.5	2.7	1.7
31	0		2.7	7.2		2.7		0.3		0.6	2.2	
	0	20.1	86.1	183.3	295.2	67.0	63.9	14.7	26.6	39.9	41.3	68.6
MEAN	0	0.67	2.78	5.91	10.5	2.16	2.13	0.47	0.89	1.29	1.33	2.29
ACRE-FEET	0	40.	171.	364.	586.	133.	127.	29.	53.	79.	82.	136.

Remarks:

YEAR OR PERIOD MEAN 2.48
ACRE-FEET 1800.

76D14M F. C. Dist. 52 8-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

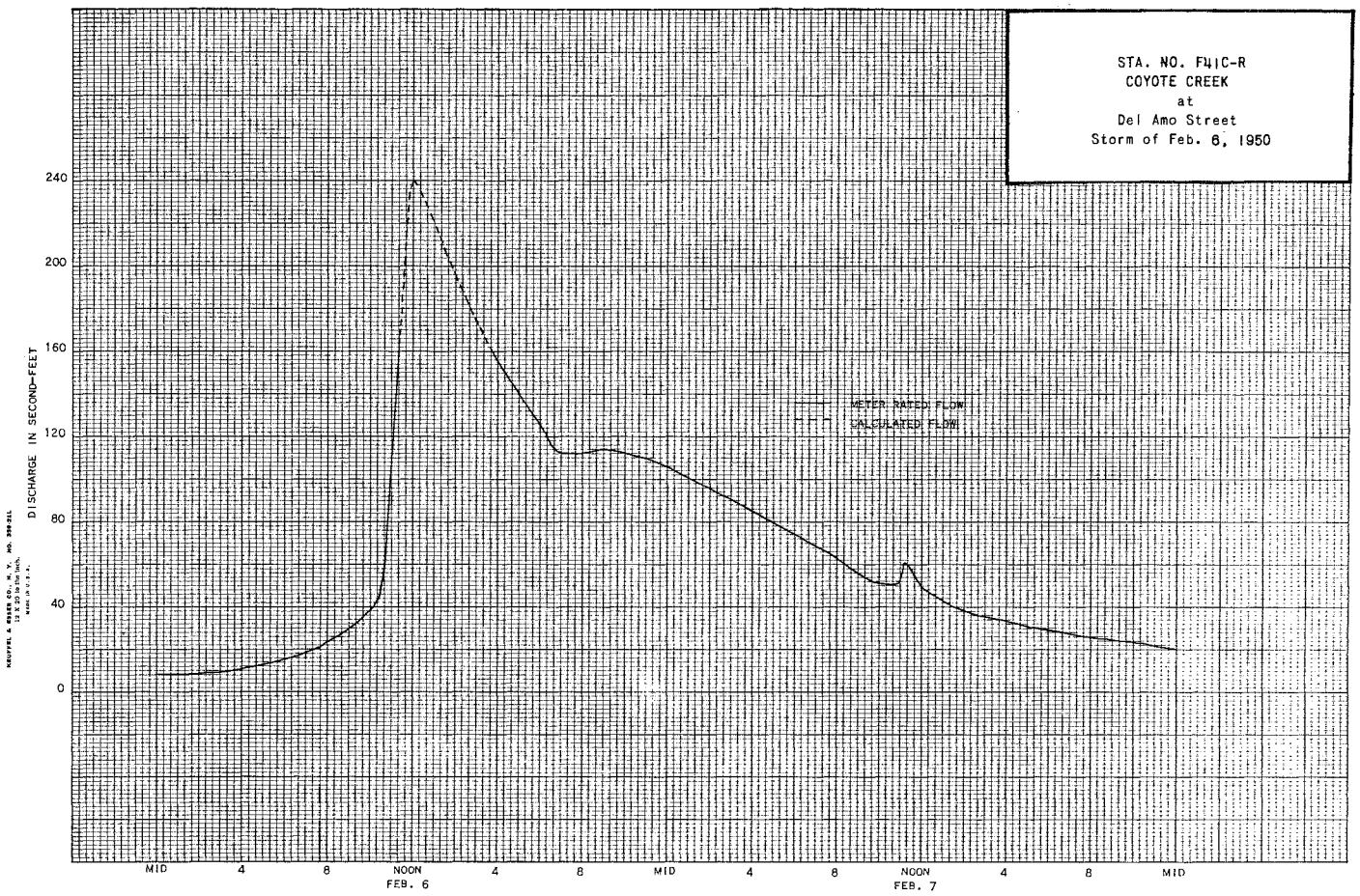
Sta. No. F41C-R

Daily discharge, in second-feet of COYOTE CREEK at Del Amo Street, for the year ending September 30, 1951

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.7	3.0	2.5	3.0	4.0	5.9	0.1	2.0	0.4	1.2	0.7	1.0
2	0.8	2.6	2.5	3.6	3.6	7.0	0.3	1.2	0.4	1.1	0.6	1.2
3	1.5	2.8	2.9	2.7	3.3	5.8	0.2	1.1	0.6	0.3	0.8	1.1
4	1.2	2.5	3.0	2.1	2.6	5.0	0.6	1.2	1.0	0.1	0.7	1.0
5	0.8	2.8	2.9	1.5	1.9	4.6	1.4	1.2	1.0	+	0.6	0.8
6	1.4	2.7	3.2	1.8	1.6	4.6	1.6	0.9	0.7	0	0.8	0.9
7	1.6	3.5	3.3	3.2	1.1	5.0	1.1	0.7	0.3	0.1	0.7	1.2
8	1.6	4.0	3.2	3.5	0.8	4.9	1.0	0.5	0.1	2.8	0.4	1.1
9	1.2	3.6	3.3	3.5	0.7	4.9	0.6	0.3	+	2.8	0.2	1.0
10	2.0	3.8	3.0	3.8	0.8	4.3	1.0	0.1	+	1.6	+	1.2
11	2.0	3.4	2.8	4.3	0.9	3.4	1.8	0.1	0	1.0	0	1.2
12	1.7	3.6	4.0	4.6	1.1	3.0	1.5	0.1	0	0.5	0	1.2
13	1.8	4.1	3.5	4.6	1.8	2.2	2.2	0.1	0	1.0	0	1.0
14	2.9	5.8	3.3	4.0	1.9	2.0	1.9	0.1	0	1.1	0	1.0
15	2.4	3.4	3.0	3.7	2.5	1.7	1.1	0.1	0	1.2	0	0.9
16	1.7	3.6	3.2	4.0	2.9	1.8	0.6	0.1	0	2.1	0	1.0
17	1.9	3.8	3.5	4.5	3.0	1.6	1.0	0.1	0	2.6	0	0.9
18	2.7	3.3	3.0	4.2	3.0	1.1	1.0	0.1	+	2.3	0	0.9
19	2.9	3.5	3.5	4.3	2.9	0.6	0.8	0.1	0	1.6	0	1.0
20	2.8	4.7	3.5	4.4	2.9	0.4	1.1	0.6	0	1.0	0	0.7
21	2.4	3.7	3.5	4.3	3.1	0.5	2.8	1.3	0	0.7	0	0.6
22	3.8	3.6	3.5	4.3	3.2	1.4	2.4	3.8	0	2.5	0	0.5
23	4.7	4.1	3.7	4.2	3.5	1.7	1.5	2.8	0	2.8	+	0.6
24	4.8	3.2	3.6	4.1	4.3	1.3	1.0	1.6	0	1.6	0.3	0.6
25	3.8	2.5	3.6	4.0	4.3	1.1	1.1	2.0	0	1.0	0.8	0.3
26	3.7	1.8	2.4	4.0	4.0	1.0	1.3	2.4	1.0	0.9	1.8	0.2
27	4.1	3.2	2.9	4.0	3.5	1.0	1.3	2.4	1.1	2.0	1.8	0
28	4.0	2.6	3.2	4.0	4.3	0.7	1.1	2.0	1.8	2.0	1.1	0
29	3.4	3.6	3.2	4.8		0.6	1.5	1.4	2.7	1.8	0.6	0
30	3.8	2.8	3.2	8.4		0.3	2.3	0.7	2.0	1.2	0.5	0.1
31	3.7		3.3	5.1		0.1		0.3		0.8	0.5	
	78.8	101.6	99.2	122.5	73.5	79.5	37.2	31.4	13.1	41.7	12.9	23.2
MEAN	2.54	3.39	3.20	3.95	2.62	2.56	1.24	1.01	0.44	1.35	0.42	0.77
ACRE-FEET	156.	202.	197.	243.	146.	158.	74.	62.	26.	83.	26.	46.

Remarks: + = 0.05 c.f.s. or less.

YEAR OR PERIOD MEAN 1.96
ACRE-FEET 1420.



STATION F283-R

DOMINGUEZ CHANNEL at Rosecrans Avenue

LOCATION: WATER-STAGE RECORDER, LAT. 33°54'06", LONG. 118°19'14", ON THE RIGHT (NORTH) BANK, SOUTH SIDE OF ROSECRANS AVENUE, 415 FEET EAST OF CRENSHAW BOULEVARD, NEAR GARDENA. ELEVATION OF ZERO GAGE HEIGHT 41.0 FEET.

CHANNEL AND CONTROL: CHANNEL - NATURAL ADOBE. CONTROL - CULVERT 30 FEET DOWNSTREAM.

RECORDS AVAILABLE: WATER STAGE RECORDER RECORDS AVAILABLE FROM JANUARY 1, 1942 TO SEPTEMBER 30, 1951.

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 F210-R

DOMINGUEZ CHANNEL at Harbor Blvd.

LOCATION: WATER STAGE RECORDER, LAT. 33°51'21", LONG. 118°16'40", ON THE DOWN STREAM 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, 1951.

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 F285-R

DOMINGUEZ CHANNEL at Carson Blvd.

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. A HORIZONTAL RATIONAL RECORDER WAS IN SERVICE FROM OCTOBER 1, 1949 TO SEPTEMBER 30, 1951.

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

DIVERSION: NONE.

RECORDS AVAILABLE: NOVEMBER 23, 1938 TO SEPTEMBER 30, 1951. FOR PREVIOUS RECORDS SEE EARLIER REPORTS ON STATION F46-R, NIGGER SLOUGH AT WILMINGTON AVENUE.

EXTREMES OF DISCHARGE:

1949-50
MAXIMUM 132. SECOND-FEET, FEBRUARY 7.
MINIMUM 1.6 SECOND-FEET, JUNE 8.

1950-51
MAXIMUM 67. SECOND-FEET, JANUARY 30.
MINIMUM 3.2 SECOND-FEET, NOVEMBER 12.

1938-51
MAXIMUM 1,020 SECOND-FEET, FEBRUARY 23, 1944.
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 Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 19 50

NO.	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.
421	10-6	1032 / 1042	BONADIMAN	10.0	11.6	0.40	6.12	4.7		.6	6	0	FC19
422	10-13	1102 / 1112	"	11.0	12.2	0.31	6.10	3.8		.6	6	0	"
423	10-20	1020 / 1028	"	10.0	10.3	0.33	6.12	3.4		.6	6	0	"
424	10-27	1046 / 1056	"	10.0	11.6	0.30	6.09	3.5		.6	6	0	"
425	11-3	1042 / 1052	"	11.0	12.5	0.32	6.11	4.0		.6	6	0	"
426	11-10	1038 / 1061	BONADIMAN - JOHNSON	30.4	32.4	0.76	6.38	24.5		.6	7	0	"
427	11-17	1042 / 1052	BONADIMAN	29.0	14.4	0.70	6.19	10.1		.6	7	0	"
428	11-23	1032 / 1042	"	28.0	10.5	0.61	6.13	6.4		.6	7	0	"
429	12-1	1132 / 1142	"	11.0	12.0	0.36	6.11	4.3		.6	6	0	"
430	12-15	1102 / 1114	"	28.0	11.8	0.76	6.19	9.0		.6	8	0	"
431	12-19	1102 / 1114	BONADIMAN - GEORGE	31.3	56.5	1.38	7.14	78.1		.6	8	0	"
432	12-22	1202 / 1216	BONADIMAN	39.0	26.3	0.88	6.48	23.4		.6	10	0	"
433	12-29	1102 / 1110	"	13.0	16.0	0.42	6.14	6.8		.6	4	0	"
434	1-5	1102 / 1112	"	12.0	12.6	0.33	6.09	4.2		.6	6	0	"
435	1-8	2234 / 2246	BONADIMAN - GEORGE	31.3	41.3	0.94	6.55	38.7		.6	8	0	"
436	1-9	1321 / 1331	"	31.3	49.0	1.39	7.00	68.1		.6	7	0	"
437	1-12	1100 / 1112	REINHARD - BONADIMAN	33.1	61.5	1.35	7.14	83.1		.6	7	0	"
438	1-19	1032 / 1046	BONADIMAN	33.0	18.2	0.84	6.27	15.3		.6	9	0	"
439	1-26	1042 / 1052	"	11.0	11.5	0.42	6.10	4.8		.6	6	0	"
440	2-2	1032 / 1044	"	26.0	11.3	0.67	6.19	7.6		.6	9	0	"
441	2-6	1342 / 1352	BONADIMAN - GEORGE	33.1	65.0	1.32	7.24	86.		.6	7	0	"
442	2-7	1320 / 1332	"	31.3	83.2	1.49	8.08	124.		.6	9	0	"
443	2-7	1334 / 1348	"	31.3	87.5	1.49	8.08	131.		.6	9	0	"
444	2-9	1032 / 1050	BONADIMAN	42.0	48.8	1.27	6.93	61.9		.6	12	0	"
445	2-11	1000 / 1012	"	31.3	44.3	1.15	6.74	50.9		.6	9	0	"
446	2-23	1044 / 1052	"	12.0	14.0	0.46	6.13	6.4		.6	5	0	"
447	3-2	1014 / 1024	"	11.0	12.7	0.48	6.08	6.1		.6	5	0	"
448	3-9	1042 / 1050	"	11.0	11.5	0.26	6.04	3.0		.6	5	0	"
449	3-16	1132 / 1140	"	12.0	12.5	0.26	6.06	3.3		.6	5	0	"
450	3-23	1022 / 1032	"	12.0	11.6	0.22	6.07	2.6		.6	6	0	"
451	3-30	1102 / 1112	"	30.0	12.9	0.73	6.17	9.4		.6	8	0	"
452	4-6	1032 / 1042	"	12.0	12.2	0.30	6.12	3.6		.6	5	0	"
453	4-13	1118 / 1130	"	28.0	10.5	0.87	6.19	9.1		.6	8	0	"
454	4-20	1032 / 1042	"	12.0	12.2	0.42	6.12	5.1		.6	6	0	"
455	4-27	1030 / 1040	"	13.0	14.6	0.31	6.12	4.5		.6	6	0	"
456	5-4	1042 / 1052	"	12.0	12.2	0.16	6.06	2.0		.6	6	0	"
457	5-11	1132 / 1144	"	27.0	10.9	0.45	6.09	4.9		.6	9	0	"
458	5-18	1032 / 1044	"	25.0	7.31	0.59	6.08	4.3		.6	8	0	"
459	5-25	1052 / 1106	"	24.0	8.14	0.69	6.13	5.6		.6	10	0	"
460	6-1	1100 / 1110	"	13.0	15.3	0.41	6.18	6.2		.6	5	0	"
461	6-8	1056 / 1106	"	12.0	13.6	0.18	6.10	2.4		.6	6	0	"
462	6-15	1052 / 1104	"	25.0	11.2	0.46	6.12	5.1		.6	9	0	"
463	6-22	1042 / 1056	"	26.0	11.7	0.44	6.14	5.2		.6	10	0	"
464	6-29	1022 / 1034	"	27.0	11.6	0.59	6.14	6.8		.6	9	0	FC46
465	7-6	1054 / 1104	"	12.0	12.9	0.38	6.17	4.9		.6	6	0	FC19
466	7-13	1100 / 1110	"	11.0	12.0	0.28	6.14	3.4		.6	6	0	"
467	7-20	1042 / 1052	"	11.0	11.8	0.33	6.14	3.9		.6	6	0	"
468	7-27	1052 / 1102	"	12.0	13.8	0.22	6.02	3.1		.6	6	0	FC46
469	8-3	1032 / 1042	"	13.0	15.0	0.37	6.06	5.5		.6	6	0	FC19
470	8-10	1042 / 1052	"	12.0	14.9	0.41	6.06	6.1		.6	6	0	"
471	8-17	1042 / 1052	"	12.0	13.2	0.36	6.04	4.7		.6	7	0	"
472	8-24	1052 / 1102	"	12.0	14.4	0.38	6.07	5.4		.6	6	0	"
473	8-31	1102 / 1112	"	12.0	13.9	0.38	6.08	5.3		.6	6	0	"
474	9-21	1005 / 1015	WADDICOR	13.0	7.42	0.89	6.11	6.6		.6	7	0	FC37
475	9-28	1114 / 1124	BONADIMAN	12.0	14.2	0.31	6.14	4.5		.6	6	0	FC19

DISCHARGE MEASUREMENTS OF DOMINGUEZ CHANNEL

AT ~~NEAR~~ Carson Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 19 51

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.
476	10-5	1112 / 1122	BONADIMAN	11.0	13.8	0.42	6.17	5.8		6	7	0	FC19
477	10-13	1120 / 1130	THOMAS-BONADIMAN	13.0	14.7	0.39	6.17	5.7		6	8	0	"
478	10-19	1054 / 1102	BONADIMAN	12.0	14.0	0.24	6.08	3.4		6	7	0	"
479	10-26	1102 / 1112	"	12.0	12.7	0.35	6.09	4.4		6	7	0	"
480	11-2	1132 / 1142	"	12.0	13.8	0.29	6.10	4.0		6	7	0	"
481	11-9	1052 / 1100	"	12.0	14.3	0.26	6.12	3.8		6	7	0	"
482	11-16	1104 / 1114	"	29.0	14.8	0.95	6.16	14.0		6	9	0	"
483	11-22	1052 / 1104	"	27.0	12.7	0.87	6.13	11.0		6	9	0	"
484	11-30	1022 / 1032	"	12.0	15.7	0.39	6.12	6.1		6	7	0	FC46
485	12-7	1122 / 1132	"	11.0	15.0	0.53	6.18	7.9		6	7	0	FC19
486	12-14	1052 / 1102	"	11.0	15.0	0.53	6.19	8.0		6	7	0	"
487	12-21	1052 / 1104	"	26.0	11.4	0.94	6.20	10.7		6	9	0	"
488	12-28	1052 / 1104	"	24.0	14.4	0.78	6.22	11.2		6	10	0	"
489	1-4	1132 / 1144	"	26.0	13.6	1.07	6.24	14.5		6	9	0	"
490	1-18	1032 / 1044	"	33.1	39.3	0.79	6.52	31.0		6	8	0	"
491	1-25	1132 / 1142	"	25.0	16.4	0.87	6.26	14.3		6	9	0	"
492	1-29	1830 / 1942	"	31.3	43.4	0.81	6.73	35.3		6	8	-.02	"
493	1-30	1202 / 1214	"	31.3	45.2	0.99	6.76	44.7		6	8	0	"
494	2-1	1032 / 1044	"	30.4	44.5	0.86	6.70	38.4		6	8	0	"
495	2-8	1130 / 1138	"	27.0	12.5	1.04	6.24	13.0		6	9	0	"
496	2-15	1132 / 1144	"	23.0	12.8	0.80	6.18	10.2		6	8	0	"
497	2-21	1052 / 1104	"	28.0	16.4	0.82	6.18	13.5		6	9	0	"
498	2-24	1022 / 1032	"	30.4	34.5	0.63	6.37	21.6		6	10	0	"
499	3-1	1630 / 1640	"	30.4	39.2	0.92	6.68	36.0		6	10	0	"
500	3-8	1122 / 1136	"	32.0	19.7	0.86	6.32	16.9		6	9	0	"
501	3-15	1042 / 1052	"	26.0	14.1	0.72	6.24	10.2		6	7	0	"
502	3-22	1102 / 1112	"	12.0	13.6	0.58	6.23	7.9		6	6	0	"
503	3-29	1022 / 1030	"	13.0	16.6	0.48	6.16	8.0		6	7	0	"
504	4-5	1102 / 1114	"	33.0	22.5	1.12	6.36	25.3		6	9	0	"
505	4-12	1052 / 1102	"	12.0	16.9	0.74	6.25	12.5		6	6	0	"
506	4-19	1040 / 1056	"	27.0	16.4	0.74	6.22	12.1		6	10	0	"
507	4-26	1042 / 1054	"	27.0	15.7	0.70	6.23	11.0		6	10	0	"
508	5-3	1122 / 1132	"	31.0	19.9	1.19	6.37	23.6		6	8	0	"
509	5-10	1102 / 1112	"	25.0	15.4	0.84	6.26	13.0		6	7	0	"
510	5-17	1104 / 1116	"	25.0	15.4	0.81	6.28	12.5		6	9	0	"
511	5-24	1120 / 1142	HANSON-BONADIMAN	27.0	16.8	0.55	6.18	9.2		6	9	0	"
512	5-31	1122 / 1134	BONADIMAN	24.0	14.4	0.69	6.18	9.9		6	9	0	"
513	6-7	1102 / 1116	"	28.0	16.9	0.73	6.18	12.4		6	9	0	"
514	6-14	1054 / 1106	"	29.0	18.0	0.73	6.20	13.3		6	9	0	"
515	6-21	1134 / 1146	"	28.0	16.8	0.89	6.21	14.9		6	8	0	"
516	6-28	1132 / 1144	"	29.0	18.2	0.78	6.24	14.2		6	9	0	"
517	7-6	1142 / 1154	"	29.0	18.5	0.76	6.26	14.1		6	8	0	"
518	7-12	1104 / 1116	"	29.0	17.5	0.60	6.26	10.5		6	9	0	"
519	7-20	1204 / 1216	"	29.0	16.8	0.54	6.23	9.1		6	9	0	"
520	7-26	1336 / 1348	"	29.0	18.8	0.72	6.26	13.5		6	10	0	"
521	8-2	1144 / 1156	"	29.0	19.1	0.74	6.28	14.2		6	9	0	"
522	8-9	1054 / 1106	"	29.0	17.8	0.63	6.28	11.3		6	9	0	"
523	8-16	1114 / 1128	"	29.0	19.0	0.67	6.28	12.8		6	10	0	"
524	8-23	1132 / 1144	"	30.0	8.71	0.71	6.20	6.2		6	10	0	"
525	8-28	1100 / 1116	"	31.0	8.72	1.02	6.20	8.9		6	8	0	"
526	8-30	1114 / 1128	"	30.0	9.10	1.09	6.20	9.4		6	10	0	"
527	9-6	1112 / 1125	WADDICOR	25.5	16.5	0.97	6.22	16.0		6	11	0	"
528	9-13	1106 / 1118	"	27.0	17.0	0.69	6.22	11.7		6	11	0	"
529	9-20	1142 / 1154	BONADIMAN	29.0	5.29	1.40	6.25	7.4		6	8	0	"
530	9-27	1152 / 1204	"	29.0	9.01	0.86	6.27	7.8		6	8	0	"

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F265R

Daily discharge, in second-feet of DOMINGUEZ CHANNEL at Carson Boulevard, for the year ending September 30, 19 50

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5.9	4.3	4.5	5.6	9.7	6.2	6.6	4.6	6.2	6.2	4.6	6.2
2	5.3	4.6	4.3	4.9	7.6	6.2	5.9	4.3	5.3	5.9	4.9	5.9
3	5.3	4.0	4.9	4.9	7.2	6.2	5.6	4.0	4.0	5.3	5.6	5.9
4	4.9	4.6	4.9	4.6	6.6	5.6	4.9	2.9	3.5	4.9	5.3	5.9
5	4.6	4.9	5.6	4.0	5.9	4.9	4.3	2.9	2.9	4.3	5.3	6.9
6	4.3	4.9	5.3	4.0	69	4.3	3.5	3.2	3.2	4.3	5.6	6.9
7	4.0	4.9	6.2	3.8	122	4.0	3.5	3.5	2.6	4.3	5.3	7.0
8	3.8	5.6	8.3	13	89	3.5	4.0	4.0	2.4	4.3	5.6	7.0
9	4.3	5.9	9.0	68	62	3.2	6.2	4.0	2.9	4.0	6.2	7.1
10	4.9	16	16	56	51	3.5	6.2	5.3	3.2	4.0	6.2	7.1
11	4.3	10	14	47	51	3.2	9.0	4.6	3.8	3.5	5.6	7.1
12	4.0	23	12	77	47	3.2	9.3	4.3	4.3	3.2	5.3	7.2
13	3.8	21	11	77	37	3.5	9.0	5.3	4.9	3.5	5.3	7.2
14	3.2	18	10	54	29	3.5	8.3	4.6	5.6	3.8	4.6	7.3
15	2.6	15	9.3	40	24	3.2	7.9	3.8	5.6	3.8	5.3	7.3
16	3.5	12	9.7	33	19	3.2	6.9	4.3	6.2	3.8	4.6	7.4
17	4.0	10	9.0	26	16	3.5	6.6	3.8	6.2	3.5	4.6	7.4
18	3.8	9.3	25	20	14	2.9	6.2	4.0	5.3	4.0	4.9	7.5
19	3.2	8.6	69	16	12	2.6	5.9	3.2	5.6	3.8	4.9	7.5
20	3.5	8.3	60	13	10	2.4	5.2	3.5	5.9	3.8	4.9	7.6
21	4.0	7.2	37	12	8.6	2.4	5.9	3.8	6.6	4.0	5.3	7.6
22	4.0	6.9	23	10	7.2	2.4	4.9	3.5	6.9	4.0	10	6.9
23	4.0	6.2	17	8.6	6.2	2.6	4.3	3.8	6.9	3.8	5.6	5.9
24	4.0	5.9	14	6.9	6.2	3.7	4.6	4.0	7.6	3.2	5.6	5.6
25	3.8	5.9	11	6.2	6.2	6.4	4.9	5.3	6.2	2.9	5.9	5.3
26	3.5	5.6	9.3	5.6	6.2	10	4.9	4.9	6.6	2.9	5.3	5.3
27	3.8	5.3	7.9	4.6	6.2	12	4.3	4.0	7.2	3.2	4.9	4.9
28	2.6	5.1	7.2	5.9	6.2	12	3.8	4.9	7.2	3.8	4.9	4.6
29	3.5	4.9	6.9	6.9		10	3.5	4.9	6.6	3.8	5.3	4.9
30	4.0	4.7	6.6	9.0		9.3	3.5	4.9	6.6	4.0	5.3	4.6
31	4.0		6.2	12		7.9		5.6		4.3	5.3	
	124.4	252.6	444.1	659.5	742.0	157.2	169.6	129.7	158.0	124.1	168.0	195.0
MEAN	4.01	8.42	14.3	21.3	26.5	5.07	5.65	4.18	5.27	4.00	5.42	6.50
ACRE-FEET	247.	501.	881.	1310.	1470.	312.	336.	257.	313.	246.	333.	387.

Remarks:

YEAR OR PERIOD MEAN 9.11
ACRE-FEET 6590.

78D14M F. C. Dist. 52 9-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

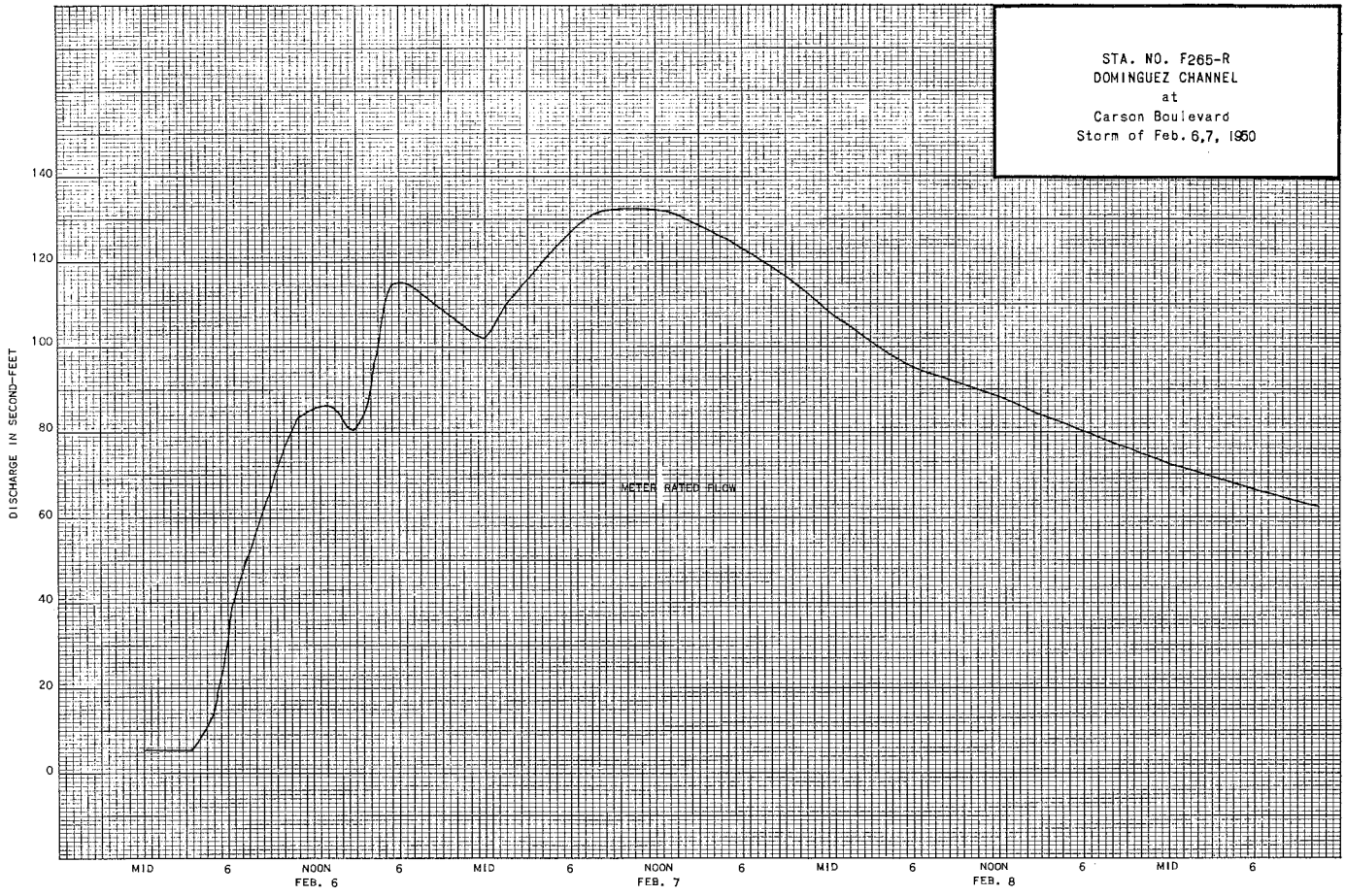
Sta. No. F265-R

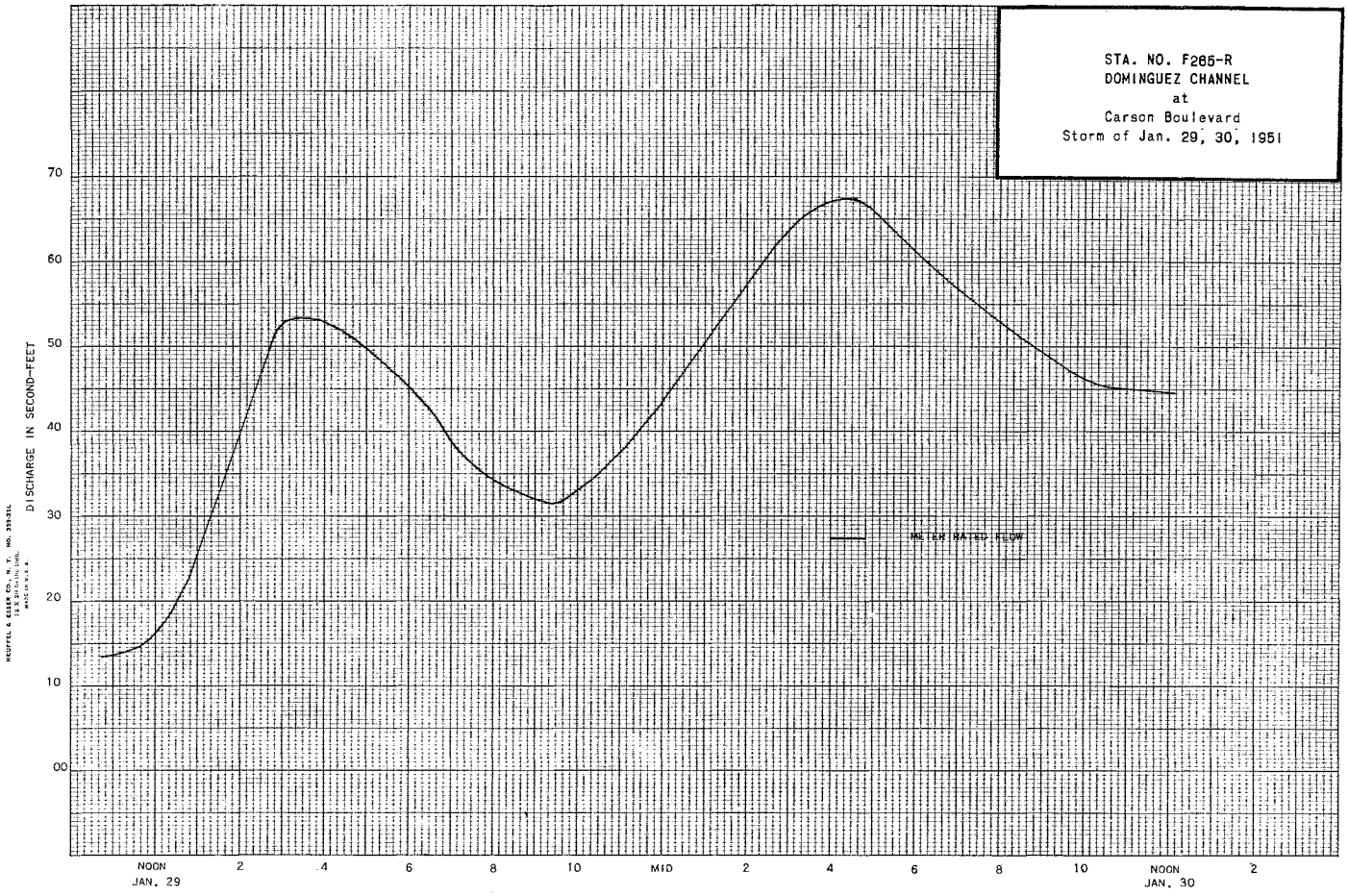
Daily discharge, in second-feet of DOMINGUEZ CHANNEL at Carson Boulevard for the year ending September 30, 1951

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4.9	4.6	6.6	13	39	38	7.6	29	10	14	14	11
2	4.9	4.3	6.6	13	32	36	7.9	26	11	14	14	12
3	5.3	4.6	6.9	14	27	36	8.3	24	12	14	14	14
4	5.6	4.0	7.2	14	22	28	22	21	12	14	13	14
5	5.6	4.0	7.6	14	19	24	24	19	12	14	13	15
6	5.6	4.0	7.2	14	17	21	24	18	12	14	13	16
7	5.6	4.3	7.9	14	15	18	21	16	12	13	12	16
8	5.3	4.0	8.3	13	13	17	18	15	13	12	12	16
9	5.9	3.8	8.3	13	13	15	17	14	13	12	12	14
10	5.3	4.0	7.9	16	12	14	16	14	13	12	12	14
11	5.3	3.8	7.9	18	12	13	14	14	13	11	13	13
12	5.6	3.8	7.9	24	11	12	12	13	13	10	12	13
13	5.3	9.2	7.9	28	10	11	12	13	13	10	14	12
14	5.3	13	7.9	26	10	10	12	13	13	10	13	10
15	5.3	12	7.9	23	10	10	11	13	13	10	14	10
16	4.9	14	7.9	27	10	9.7	12	13	13	9.7	14	9.0
17	4.6	14	8.3	32	11	9.3	12	13	13	9.3	13	10
18	4.0	13	9.0	31	12	9.0	12	13	14	9.0	12	9.3
19	3.8	12	10	27	12	8.6	12	13	14	9.0	10	8.6
20	3.8	11	11	25	13	8.3	11	13	14	9.0	9.0	7.6
21	3.8	11	11	24	14	7.9	11	13	15	10	7.9	7.6
22	3.8	11	12	21	14	7.9	11	14	15	11	6.9	7.9
23	4.0	11	12	19	23	7.9	10	12	15	12	6.6	7.9
24	4.3	9.7	12	17	28	7.8	12	9.7	14	12	7.6	7.6
25	4.6	9.3	11	15	33	7.8	13	9.3	14	12	7.6	8.3
26	4.3	8.3	11	14	36	7.7	12	9.3	14	14	8.3	8.6
27	4.9	7.6	12	14	33	7.7	12	9.7	14	14	9.0	7.9
28	4.9	6.9	12	14	33	7.6	15	9.7	14	15	9.3	8.3
29	4.6	6.9	12	26		7.6	25	9.7	14	14	10	8.6
30	4.3	6.2	12	52		7.6	33	9.7	14	14	9.7	8.6
31	4.6		13	50		7.2		10		14	10	
	150.0	235.3	290.2	665.0	534.0	432.6	439.8	443.1	396.0	372.0	345.9	325.8
MEAN	4.83	7.84	9.36	21.5	19.1	14.	14.7	14.3	13.2	12.0	11.2	10.9
ACRE-FEET	298.	467.	576.	1320.	1060.	858.	872.	879.	785.	738.	686.	646.

Remarks:

YEAR OR PERIOD MEAN 12.7
ACRE-FEET 9180.





STATION F53-R

DUME CREEK at Roosevelt Highway

LOCATION: WATER-STAGE RECORDER, LAT. 34°01'02", LONG. 118°48'00", 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, 1949 TO SEPTEMBER 30, 1951.

REGULATION: NONE.

DIVERSIONS: NONE.

RECORDS AVAILABLE: JANUARY 15, 1930 TO NOVEMBER 26, 1937. NOVEMBER 3, 1938 TO SEPTEMBER 30, 1951.

EXTREMES OF DISCHARGE:

1949-50
NO FLOW FOR THE ENTIRE YEAR.

1950-51
NO FLOW FOR THE ENTIRE YEAR.

1930-51
MAXIMUM DISCHARGE NOT DETERMINED, MARCH 2, 1938.
MAXIMUM DISCHARGE OF RECORD, 6,800 SECOND-FEET, JANUARY 24, 1941.
MINIMUM NO FLOW AT TIMES EACH YEAR.

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

STATION U2-R

EATON CREEK above Mouth of Canyon

LOCATION: WATER-STAGE RECORDER AND BROAD-CRESTED WEIR, LAT. 34°11'40", LONG. 118°06'15", IN S.E. 1/4 SEC. 2, T. 1 N., R 12 W., AT MOUTH OF CANYON JUST UPSTREAM FROM BRIDGE ON OLD MOUNT WILSON TOLL ROAD, AND 4 MILES NORTHEAST OF PASADENA. ALTITUDE OF GAGE ABOUT 1,230 FEET.

DRAINAGE AREA: 6.5 SQUARE MILES.

RECORDS AVAILABLE: MARCH 1918 TO SEPTEMBER 30, 1951.

AVERAGE DISCHARGE: 32 YEARS, 2.52 SECOND-FEET. AVERAGE COMBINED DISCHARGE OF CREEK AND DIVERSION, 32 YEARS, 3.82 SECOND-FEET, 33 YEARS, 2.45 SECOND-FEET, AVERAGE COMBINED DISCHARGE OF CREEK AND DIVERSION, 33 YEARS, 3.63 SECOND-FEET.

EXTREMES:

1949-1950
MAXIMUM DISCHARGE 75. SECOND-FEET, NOVEMBER 10. (GAGE HEIGHT 1.44 FEET).
NO FLOW MOST OF YEAR.

1950-1951
MAXIMUM DISCHARGE 12 SECOND-FEET, APRIL 28. (GAGE HEIGHT 0.61 FOOT).
NO FLOW MOST OF YEAR.

1918-1951
MAXIMUM DISCHARGE 2,400 SECOND-FEET, MARCH 2, 1938, FROM RECORD OF INFLOW TO EATON FLOOD CONTROL RESERVOIR. NO FLOW FOR SOME PERIODS IN EACH YEAR.

REMARKS: RECORDS GOOD BELOW 70 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.

DISCHARGE MEASUREMENTS OF EATON CREEK

~~AT~~ NEAR above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 50

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION 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	1-20		U.S.G.S.	14.3	6.00	2.67	0.70	16.0		.6	15	0	
445	11-10		"	14.4	5.60	2.32	0.67	13.1		.5/.6	14	0	
446	12-19		"	TWO CHANNELS			0.65	10.6		.5/.6	21	0	
447	2-6		"	15.1	6.80	2.00	0.71	13.7		.6	14	0	
448	2-7		"	12.8	5.17	1.49	0.53	7.7		.5/.6	12	0	
449	4-9		"				.02	EST .005					

DISCHARGE MEASUREMENTS OF EATON CREEK

~~AT~~ NEAR above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 51

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
450	1-19		USGS	5.7	1.33	0.95	0.12	1.27		.5	24	0	
451	1-29		"	6.1	1.72	0.98	0.17	1.69		.5	12	+.04	

78D74M F. C. Dist. 52 9-50

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, 1950

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	16	0	0	0	0	0	0	0
7	0	0	0	0	4.9	0	0	0	0	0	0	0
8	0	0	0	1.1	0.2	0	1.7	0	0	0	0	0
9	0	0	0	0.3	0	0	1.0	0	0	0	0	0
10	0	1.5	0	0	0.3	0	0	0	0	0	0	0
11	0	1.7	0	1.5	0	0	0	0	0	0	0	0
12	0	0.2	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	1.4	0	0	0	0	0	0	0	0	0
19	0	0	1.1	0	0	0	0	0	0	0	0	0
20	0	0	2.1	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	3.4	0	0	0	0	0	0
25	0	0	0	0	0	3.1	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		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	16.9	27.1	3.0	21.4	6.5	2.7	0	0	0	0	0
MEAN	0	0.56	0.87	0.10	0.76	0.21	0.09	0	0	0	0	0
ACRE-FEET	0	34	54	6.0	42	13	5.4	0	0	0	0	0

Remarks:

YEAR MEAN 0.21
OR
PERIOD ACRE-FEET 154.

78D74M F. C. Dist. 52 9-50

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, 1951

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	0.2	0	0	0	0	0	0	0	0
12	0	0	0	0.4	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	0.3	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	0.2	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	1.2	0	0	0	0	0
29	0	0	0	0.7		0	2.4	0	0	0	0	0
30	0	0	0	0.2		0	0.1	0	0	0	0	0
31	0		0	0		0		0		0	0	
	0	0	0	1.8	0	0	3.9	0	0	0	0	0
MEAN	0	0	0	0.06	0	0	0.13	0	0	0	0	0
ACRE-FEET	0	0	0	3.6	0	0	7.7	0	0	0	0	0

Remarks:

YEAR MEAN 0.02
OR
PERIOD ACRE-FEET 11.

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 1, 1949 TO SEPTEMBER 30, 1951.

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, 1951.

EXTREMES OF DISCHARGE:

1949-50
MAXIMUM 72. SECOND-FEET, NOVEMBER 14.
MINIMUM NO FLOW MOST OF YEAR.

1950-51
MAXIMUM 3.9 SECOND-FEET, MAY 3 AND 4.
MINIMUM NO FLOW MOST OF YEAR.

1940-51
MAXIMUM 1,080 SECOND FEET, JANUARY 23, 1943.
MINIMUM NO FLOW MOST OF EACH YEAR.

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

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

DISCHARGE MEASUREMENTS OF EATON WASH

~~AT~~ NEAR below Eaton Wash Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 51

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.
107	5-3	1625 / 1632	MOON	5.5	3.13	1.25		3.9		.6	6		FC22

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F271R

Daily discharge, in second-feet of EATON WASH below Eaton Wash Dam, for the year ending September 30, 1950

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	0	0.5	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	11.4	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	9.3	0	0	0	0	0	0	0	0	0	0
15	0	0.5	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	13.8	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	9.8	13.8	0	11.4	0	0	0	0.5	0	0	0
MEAN	0	0.33	.445	0	0.41	0	0	0	.017	0	0	0
ACRE-FEET	0	19.	27.	0	23.	0	0	0	1.0	0	0	0

Remarks:

YEAR OR PERIOD MEAN .097
ACRE-FEET 70.

75D74M F. C. Dist. 62 5-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F2718

Daily discharge, in second-feet of EATON WASH below Eaton Wash Dam for the year ending September 30, 19 51

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	e 2.3	0	0	0	0
4	0	0	0	0	0	0	0	e 1.5	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0		0	0	0	0	0	0	0
30	0	0	0	0		0	0	0	0	0	0	0
31	0		0	0		0		0		0	0	
	0	0	0	0	0	0	0	3.8	0	0	0	0
MEAN	0	0	0	0	0	0	0	0.12	0	0	0	0
ACRE-FEET	0	0	0	0	0	0	0	7.5	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 0.01
ACRE-FEET 7.5

STATION F104-R

EATON WASH at Ellis Lane

LOCATION: WATER-STAGE RECORDER, LAT. 34°05'08", LONG. 118°03'21", ON THE LEFT (NORTH) BANK, TEN FEET UPSTREAM OF THE ELLIS LANE BRIDGE (FORMERLY SUNSET AVENUE) ABOUT ONE MILE NORTHWEST OF EL MONTE, ELEVATION OF ZERO GAGE HEIGHT, 291.29 FEET.

DRAINAGE AREA: 18.4 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - SAND AND GRAVEL. CONTROL FORMED BY CONCRETE SEWER LINE CROSSING BELOW STATION.

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

RECORDER: INSTALLED OCTOBER 1, 1930. REMOVED DECEMBER 1930 DUE TO BRIDGE CONSTRUCTION. REINSTALLED NOVEMBER 10, 1931. MOVED DECEMBER 11, 1945 TO NORTH BANK 10 FEET UPSTREAM FROM BRIDGE OVER AN 18-INCH CORRUGATED IRON PIPE STILLING WELL. AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1949 TO SEPTEMBER 30, 1951.

REGULATION: FLOW PARTIALLY REGULATED BY EATON WASH DAM.

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

RECORDS AVAILABLE: OCTOBER 1, 1930 TO SEPTEMBER 30, 1951. FROM DECEMBER 28, 1930 TO NOVEMBER 10, 1931, THE RECORDER WAS LOCATED AT STATION F104B-R AT BROADWAY.

EXTREMES OF DISCHARGE:

1949-50
MAXIMUM 290 SECOND-FEET, FEBRUARY 6.
MINIMUM NO FLOW MOST OF YEAR.

1950-51
MAXIMUM 361 SECOND-FEET, JANUARY 11.
MINIMUM NO FLOW MOST OF YEAR.

1930-51
MAXIMUM 2,280 SECOND-FEET, JANUARY 23, 1943.
MINIMUM NO FLOW MOST OF EACH YEAR.

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

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

DISCHARGE MEASUREMENTS OF EATON WASH

AT ~~NEAR~~ Ellis Lane DURING THE YEAR ENDING SEPTEMBER 30, 19 50

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION 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	12-18	1416 / 1426	WADDICOR - PAYNE	33.0	22.6	5.49	2.06	124.		.6	9	0	FC37
302	1-11	1546 / 1556	"	24.0	13.2	4.55	1.88	60.0		.6	8	0	"
303	7-19	1600 / 1606	BONADIMAN	4.0	0.78	1.28	1.30	1.0		.5	4	0	FC46

DISCHARGE MEASUREMENTS OF EATON WASH

AT ~~NEAR~~ Ellis Lane DURING THE YEAR ENDING SEPTEMBER 30, 19 51

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
304	10-4	1630 / 1636	BONADIMAN	3.0	0.69	1.23	1.54	0.85		.5	5	0	FC19
305	11-19	1155 / 1212	WADDICOR-JOHNSON	3.7	1.00	1.00	1.50	1.0		.5	5	-.07	FC37
306	1-10	1430 / 1436	WADDICOR-VAN BUREN	8.0	2.50	2.12	1.57	5.3		.6	6	-.02	"
307	1-29	1038 / 1048	"	20.0	13.8	5.96	1.98	82.4		.6	7	-.05	"
308	3-1	1112 / 1122	"	15.5	3.69	2.71	1.74	10.0		.5	10	0	"

F. C. Dist. Form 52 4-48

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F104-R

Daily discharge, in second-feet of EATON WASH at Ellis Lane, for the year ending September 30, 19 50

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				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	41	0	0	0				0
7	0	0	0	0	0	0	0	0				0
8	0	0	0.2	16	0	0	9.6	0				0
9	0	0.3	0	0	0	0	6.3	0				+
10	0	29	0	0	0	0	0	0				0
11	0	0	0	16	0	0	0	0				0
12	0	0	0	0	0	0	0	+				0
13	0	0	0	0	0	0	0	0				0
14	0	0	0	0	0	0	0	0				0
15	0	0	0	0	0	0	0	0				0
16	0	0	0	0	0	0	0	0				0
17	0	0	0	0	0	0	0	0				0
18	0	0	6.2	0	0	0	0	0				0
19	0	0	2.8	0	0	0	0	0				0
20	0	0	0	0	0	0	0	0				0
21	0	0	0	0	0	0	0	0				0
22	0	0	0	0	0	0	0	0				0
23	0	0	0	0	0	0	0	0				0
24	0	0	0	0	0	13	0	0				0
25	0	0	0	0	0	1.6	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	0	0	0	0				0
29	0	0	0	0		0	0	0				0
30	0	0	0	0		0	0	0				0
31	0		0	0		0		0				
	+	29.3	65.0	32.0	41.0	14.6	15.9	+	+	+	+	+
MEAN	+	0.98	2.10	1.03	1.46	0.47	0.53	+	+	+	+	+
ACRE-FEET	+	58.	129.	63.	81.	29.	32.	+	+	+	+	+

Remarks: + = 0.05 c.f.s. or less

YEAR OR PERIOD MEAN 0.54
ACRE-FEET 392.

76D74M F. C. Dist. 52 8-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

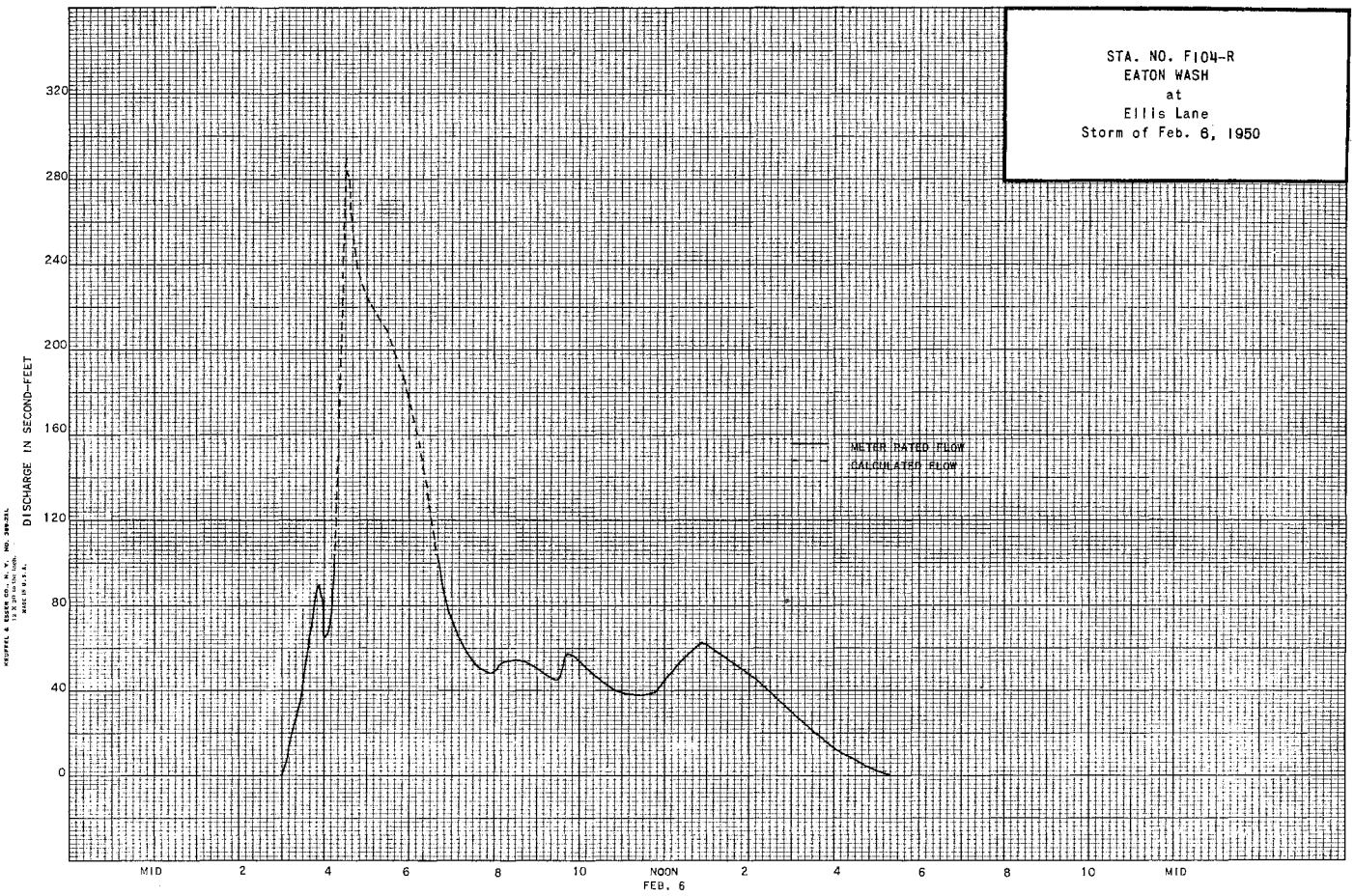
Sta. No. F104-R

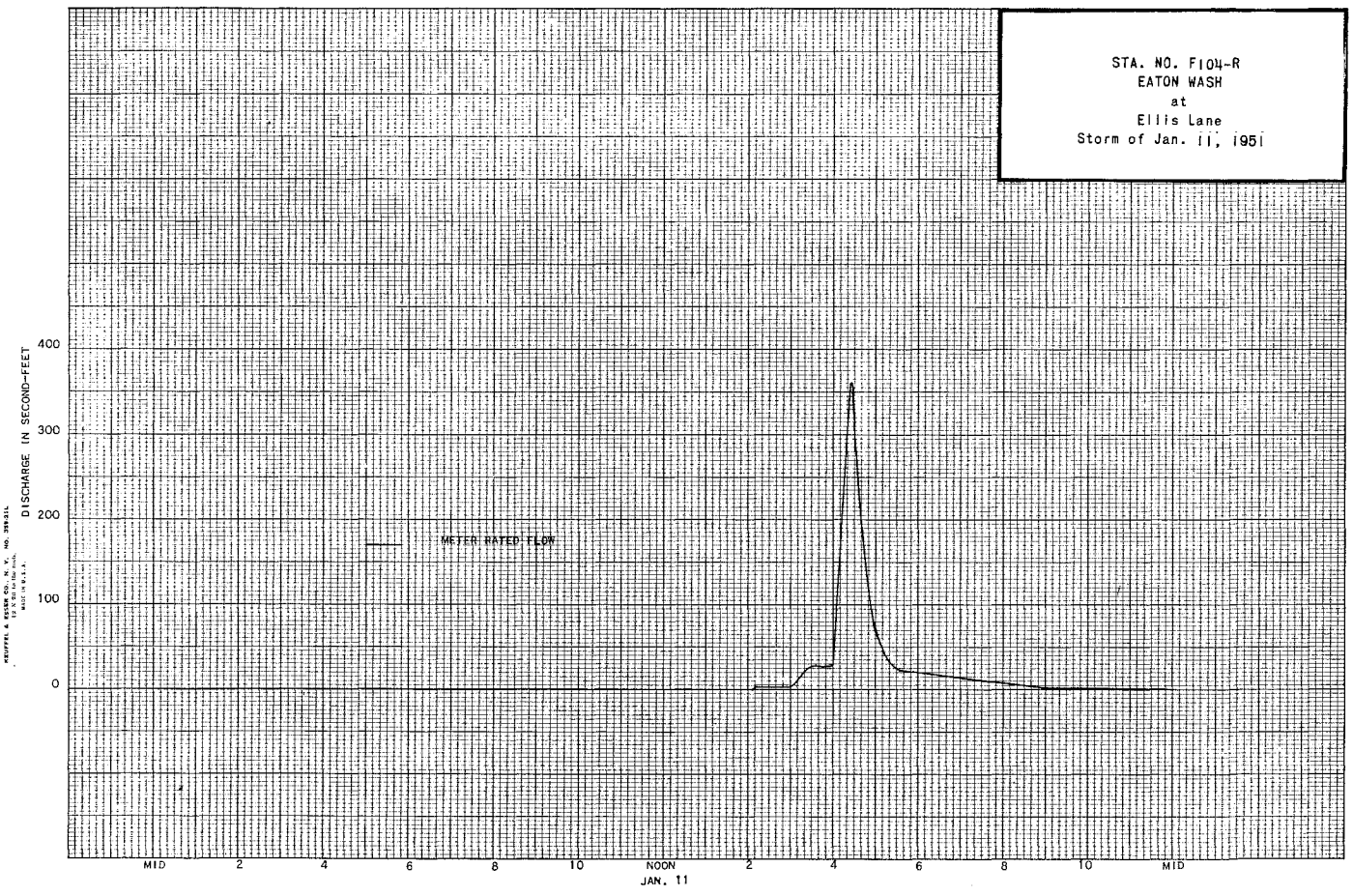
Daily discharge, in second-feet of EATON WASH at Ellis Lane, for the year ending September 30, 1951

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	5.8	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	0.6	0	0	0	0				0
11	0	0	0	13	0	0	0	0				0
12	0	0	0	0	0	0	0	0				0
13	0	0	0	0	0	0	0	4.7				0
14	0	0	0	0	0	0	0	0				0
15	0	0	0	0	0	0	0	0				0
16	0	0	0	0	0	0	0	0				0
17	0	0	0	0	0	0	0	0				0
18	0	0	0	0.2	0	0	0	0				0
19	0	0.1	0	6.7	0	0	0	0				0
20	0	0	0	0	0	0	0	0				0
21	0	0	0	0	0	0	0	0				0
22	0	0	0	0	0	0	0	0				0
23	0	0	0	0	0	0	0	0				0
24	0	0	0	0	0	0	0	0				0
25	0	0	0	0	0	0	3.6	0				0
26	0	0	0	0	1.1	0	0	0				0
27	0	0	0	0	0.5	0	0	0				0
28	0	0	0	0	0	0	8.5	0				0
29	0	0	0	21	0	0	1.1	0			0	0
30	0	0	0	0		0	0	0			0	0
31	0		0	0		0		0			0	
	0	0.1	0	41.5	1.6	5.8	13.2	4.7			0	0
MEAN	0	+	0	1.33	0.06	0.19	0.44	0.15			0	0
ACRE-FEET	0	0.2	0	82.	3.2	12.	26.	9.3			0	0

Remarks:

YEAR OR PERIOD MEAN 0.18
ACRE-FEET 133.


STA. NO. F104-R
EATON WASH
at
Ellis Lane
Storm of Feb. 6, 1950
DISCHARGE IN SECOND-FEET
0
40
80
120
160
200
240
280
320
METER RATED FLOW
CALCULATED FLOW
MID
2
4
6
8
10
NOON
2
4
6
8
10
MID
FEB. 6


STA. NO. F104-R
EATON WASH
at
Ellis Lane
Storm of Jan. 11, 1951
DISCHARGE IN SECOND-FEET
0
100
200
300
400
METER RATED FLOW
MID
2
4
6
8
10
NOON
2
4
6
8
10
MID
JAN. 11

STATION U7-R

FISH CREEK above Mouth of Canyon

LOCATION: WATER-STAGE RECORDER AND BROAD-CRESTED WEIR CONTROL, LAT. 34°10'00" LONG. 117°55'25", IN SW 1/4 SW 1/4 SEC. 15, T. 1 N. R.10 W., 0.8 MILE UPSTREAM FROM MOUTH OF CANYON AND 3 MILES NORTHEAST OF DUARTE. ALTITUDE OF GAGE ABOUT 1,000 FEET.

DRAINAGE AREA: 6.5 SQUARE MILES.

RECORDS AVAILABLE: JULY TO SEPTEMBER 1916, JULY 1917 TO SEPTEMBER 30, 1951.

AVERAGE DISCHARGE: 33 YEARS (1917-1950) 4.24 SECOND-FEET.
34 " " 1951 4.13 " "

EXTREMES:

1949-1950
MAXIMUM DISCHARGE 157. SECOND-FEET, DECEMBER 18. (GAGE HEIGHT 2.33 FEET).
MINIMUM DAILY DISCHARGE LESS THAN 0.01 SECOND-FOOT ON MANY DAYS IN OCTOBER, NOVEMBER, JULY, AUGUST, AND SEPTEMBER.

1950-1951
MAXIMUM DISCHARGE 16 SECOND-FEET, APRIL 28. (GAGE HEIGHT 0.87 FOOT).
MINIMUM DISCHARGE, NO FLOW DURING PARTS OF SEVERAL MONTHS.

1916-1951
MAXIMUM DISCHARGE ABOUT 2,180 SECOND-FEET APRIL 4, 1925. NO FLOW DURING PERIODS IN 1919-1921, 1924, 1929-1930, 1950-1951.

REMARKS: RECORDS GOOD. NO DIVERSIONS OR REGULATION ABOVE STATION.

COOPERATION: RECORDS FURNISHED BY THE UNITED STATES GEOLOGICAL SURVEY WITH THE EXCEPTION OF 10 MEASUREMENTS FURNISHED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF FISH CREEK

~~AT~~ NEAR above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1950

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1903	10-3		U.S.G.S.				-0.03	0.01		EST.			
1904	10-11		"	0.40	0.09	0.25	-0.03	0.02		.5	4	0	
1905	10-17		"	0.78	0.20	0.22	-0.01	0.04		.5	8	0	
1906	11-1		"	0.38	0.08	0.14	-0.03	0.01		.5	4	0	
1907	11-9		"	1.2	0.28	0.35	-0.01	0.10		.5	4	0	
1908	11-11	1504 / 1510	MOON	2.2	0.62	2.58	0.22	1.6		.6	5	0	FC22
1909	11-16		U.S.G.S.	1.70	0.63	0.73	0.07	0.46		.5	9	0	
1910	11-22		"	2.0	0.84	0.39	0.07	0.33		.5/.6	9	0	
1911	11-30	1530 / 1535	MOON	1.6	0.52	0.56	0.06	0.29		.6	4	0	FC22
1912	12-2		U.S.G.S.	1.65	0.56	0.59	0.06	0.33		.5	8	0	
1913	12-5		"	1.9	0.76	0.32	0.06	0.24		.5/.6	8	0	
1914	12-14		"	1.63	0.59	0.78	0.08	0.46		.5	8	0	
1915	12-19		"	12.4	5.30	4.40	0.96	23.1		.5/.6	21	-.02	
1916	12-20		"	12.0	6.40	0.94	0.52	6.00		.5/.6	17	-.01	
1917	12-29		"	3.4	1.76	0.65	0.12	1.14		.5/.6	10	0	
1918	1-3		"	4.5	2.03	0.49	0.10	0.99		.5/.6	10	0	
1919	1-5	1015 / 1022	MOON	2.1	0.35	1.94	0.09	0.68		.6	5	0	FC22
1920	1-9		U.S.G.S.	8.6	3.97	0.78	0.37	3.11		.5/.6	16	0	
1921	1-11		"	5.4	2.30	0.77	0.23	1.77		.5/.6	15		
1922	1-17		"	3.4	2.18	1.23	0.31	2.69		.6	9	0	
1923	1-24		"	5.1	2.14	0.72	0.60	1.54		.5/.6	13	0	
1924	2-1		"	3.3	1.70	0.92	0.20	1.56		.6	7	0	
1925	2-2	1135 / 1140	MOON	2.15	0.50	2.40	0.19	1.2		.6	5	0	FC22
1926	2-6		U.S.G.S.	19.3	16.00	1.62	1.06	25.9		.5/.6	18	0	
1927	2-13		"	9.1	5.60	0.74	0.40	4.14		.6	17	0	
1928	2-20		"	5.3	2.42	0.81	0.25	1.95		.5/.6	13	0	
1929	3-1		"	3.3	2.08	0.71	0.20	1.47		.6	11	0	
1930	3-6		"	3.4	1.98	0.63	0.21	1.25		.6	13	0	
1931	3-9	1112 / 1119	MOON	2.2	0.57	1.93	0.22	1.1		.5	5	0	FC22
1932	3-15		U.S.G.S.	2.8	1.60	0.62	0.23	0.99		.6	15	0	
1933	3-18		"	3.5	1.72	0.57	0.25	0.98		.6	9	0	
1934	3-19		"	3.6	1.80	0.47	0.25	0.85		.5/.6	17	0	
1935	3-28		"	3.1	2.12	0.88	0.36	1.90		.5/.6	16	0	
1936	4-3		"	2.9	1.84	0.68	0.28	1.25		.6	15	0	
1937	4-5	1447 / 1452	MOON	2.25	0.62	1.77	0.28	1.1		.5	5	0	FC22
1938	4-10		U.S.G.S.	3.4	2.63	1.12	0.46	2.94		.5/.6	18	0	
1939	4-18		"	3.35	2.05	0.66	0.32	1.36		.6	18	0	
1940	4-24		"	3.5	2.14	0.65	0.24	1.40		.5/.6	20	0	
1941	4-27	1112 / 1118	MOON	2.2	0.62	1.94	0.23	1.2		.5	5	0	FC22
1942	5-3		U.S.G.S.	2.90	1.37	0.86	0.22	1.18		.5/.6	20	0	
1943	5-9		"	4.4	2.37	0.42	0.20	1.00		.5/.6	20	0	
1944	5-16		"	3.4	1.89	0.45	0.23	0.86		.5/.6	19	0	
1945	5-24		"	3.3	1.77	0.47	0.24	0.78		.6	18	0	
1946	5-25	1253 / 1300	MOON	2.15	0.44	2.02	0.18	0.89		.5	5	0	FC48H
1947	6-1		U.S.G.S.	1.8	0.97	0.59	0.14	0.57		.6	19	0	
1948	6-6		"	1.8	0.96	0.59	0.14	0.57		.6	19	+.01	
1949	6-12		"	1.7	0.75	0.35	0.08	0.26		.5	18	0	
1950	6-15	1132 / 1137	MOON	2.0	0.31	1.48	0.11	0.46		.5	4	0	FC48H
1951	6-19		U.S.G.S.	1.1	0.48	0.66	0.09	0.31		.5	12	0	
1952	6-26		"	1.00	0.42	0.55	0.08	0.23		.5	11	0	
1953	7-3		"	1.0	0.29	0.14	0.00	0.04		.5	11	0	
1954	7-11		"	0.5	0.03	0.33	-0.03	0.01		SURF.	6	0	
1955	7-17		"	0.45	0.05	0.20	-0.03	0.01		" .5	5	0	
1956	7-24		"				-0.04	0.01		EST.			
1957	8-7		"				-0.03	0.002		EST.			
1958	8-21		"				-0.06	0.002		EST.			
1959	9-1		"				-0.07	0.008		EST.			
1960	9-6		"				-0.05	0.001		EST.			
1961	9-12		"	0.5	0.038	0.315	-0.02	0.012		.5	5		
1962	9-19		"	0.50	0.092	0.23	-0.01	0.021		.5	5	0	
1963	9-27		"				-0.02	0.01		EST.			

DISCHARGE MEASUREMENTS OF FISH CREEK

~~NEAR~~ above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 51

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1964	10-2		USGS				-.02	0.02		EST.			
1965	10-9		"				-.02	0.01		EST.			
1966	10-16		"				-.04	0.002		EST.			
1967	10-24		"				-.02	0.01		EST.			
1968	11-1		"	1.5	0.23	0.26	-.01	0.06	.5	14			
1969	11-5		"				-.03	0.03		EST.			
1970	11-10		"	1.35	0.15	0.16	-.01	0.02	.5	13	0		
1971	11-13		"	1.6	0.28	0.19	0.04	0.07	.5	9	+.01		
1972	11-22		"	2.3	1.10	0.38	0.08	0.42	.5	24	0		
1973	11-30		"	2.3	1.03	0.26	0.05	0.27	.5	13			
1974	12-5		"	2.3	1.10	0.30	0.06	0.33	.5	24	0		
1975	12-12		"	2.35	1.08	0.26	0.05	0.28	.5	14	0		
1976	1-2		"	2.3	1.10	0.26	0.04	0.29	.6	24	-.04		
1977	1-8		"	2.4	1.18	0.25	0.05	0.30	.5	25	0		
1978	1-11		"	2.42	1.23	0.39	0.08	0.48	.5 .6	15	0		
1979	1-15		"	2.3	1.11	0.43	0.06	0.48	.5 .6	24	0		
1980	1-22		"	2.60	0.79	0.99	0.14	0.78	.5	25	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
1981	1-29		"	4.7	1.46	1.55	0.26	2.27	
1982	2-6		"	3.1	0.89	0.72	0.06	0.64	
1983	2-7	1328 1338	MOON	2.75	0.80	0.86	0.06	0.69	
1984	2-12		USGS	2.8	0.94	0.73	0.07	0.79	
1986	2-26		"	3.0	0.70	0.76	0.08	0.53	
1985	2-19		"	3.0	0.66	0.74	0.07	0.49	
1987	3-7		"	3.4	0.96	1.08	0.10	1.04	
1988	3-14		"	2.9	0.62	0.97	0.07	0.60	
1989	3-22		"	2.4	0.46	0.98	0.07	0.45	
1990	3-28		"	2.4	0.51	0.92	0.06	0.47	
1991	4-2		"	2.5	0.55	0.78	0.06	0.43	
1992	4-7		"	3.6	0.76	0.72	0.08	0.55	
1993	4-11		"	2.4	0.52	0.83	0.07	0.43	
1994	4-18		"	1.0	0.41	1.34	0.06	0.55	
1995	5-11		"	2.1	0.78	0.54	0.08	0.42	
1996	5-22		"	1.15	0.24	1.38	0.07	0.32	
1997	6-5		"	1.1	0.23	0.35	0.03	0.08	
1998	6-19		"				-.01	0.02	FLO
1999	6-26		"				0.01	0.07	FLO

76D74M F. C. Dist. 32 9-50

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, 1950

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.02	0.02	0.3	1.1	1.5	1.5	1.4	1.2	0.5	0.03	0.01	0.02
2	0.02	0.02	0.4	1.1	1.1	1.4	1.2	1.2	0.5	0.03	0.01	0.02
3	0.02	0.02	0.3	1.0	1.1	1.3	1.1	1.2	0.5	0.03	0.01	0.02
4	0.02	0.02	0.3	0.8	1.1	1.3	1.0	1.0	0.5	0.01	0.01	0.02
5	0.02	0.02	0.2	0.7	1.1	1.2	1.0	1.0	0.4	0.01	0.01	0.02
6	0.08	0.02	0.2	0.7	24	1.2	1.1	1.0	0.5	0.01	0.01	0.02
7	0.08	0.02	0.3	0.7	13	1.0	1.0	1.1	0.6	0.01	0.01	0.02
8	0.08	0.02	0.8	3.2	7.0	1.0	5.7	1.0	0.5	0.01	0.01	0.02
9	0.08	0.2	0.7	3.7	5.9	0.9	6.7	0.8	0.4	0.01	0.01	0.02
10	0.02	1.7	0.5	1.7	5.9	0.9	3.2	0.7	0.4	0.01	0.01	0.02
11	0.02	2.4	0.5	6.6	5.7	0.9	2.2	0.6	0.3	0.01	0.01	0.02
12	0.02	0.8	0.5	6.7	4.7	0.9	1.7	0.7	0.3	0.01	0.01	0.02
13	0.02	0.5	0.5	5.3	4.1	0.9	1.7	0.8	0.3	0.01	0	0.02
14	0.02	0.5	0.5	4.2	3.6	0.9	1.7	0.8	0.4	0.01	0	0.02
15	0.02	0.5	0.5	3.6	3.2	1.0	1.7	0.8	0.4	0.01	0	0.02
16	0.02	0.5	0.5	3.0	2.9	1.0	1.5	0.8	0.4	0.01	0	0.02
17	0.04	0.5	0.5	2.7	2.6	1.0	1.4	0.8	0.4	0.01	0	0.02
18	0.04	0.4	37	2.5	2.3	1.0	1.4	0.8	0.4	0.01	0	0.02
19	0.04	0.4	26	2.2	2.2	0.8	1.2	0.8	0.3	0.01	0	0.02
20	0.04	0.4	6.3	1.8	2.1	0.9	1.2	0.6	0.3	0.01	0	0.02
21	0.01	0.4	4.4	1.6	2.0	1.0	1.2	0.6	0.3	0.01	0	0.02
22	0.01	0.4	3.0	1.6	2.0	1.1	1.4	0.6	0.2	0.01	0	0.02
23	0.01	0.4	2.2	1.5	1.7	1.2	1.5	0.7	0.2	0.01	0	0.02
24	0.01	0.4	2.0	1.5	1.7	6.3	1.3	0.8	0.3	0.01	0	0.02
25	0.01	0.4	1.5	1.4	1.7	2.9	1.3	0.8	0.4	0.01	0	0.02
26	0.01	0.4	1.4	1.2	1.6	3.2	1.3	0.7	0.2	0.01	0	0.02
27	0.01	0.4	1.2	1.2	1.6	2.3	1.3	0.6	0.2	0.01	0	0.02
28	0.01	0.4	1.2	1.5	1.5	1.8	1.3	0.5	0.1	0.01	0	0.02
29	0.01	0.4	1.1	3.7		1.6	1.2	0.6	0.06	0.01	0.01	0.02
30	0.01	0.3	1.1	2.2		1.5	1.2	0.6	0.06	0.01	0.01	0.02
31	0.01		1.1	1.7		1.5		0.6		0.01	0.01	
	0.83	28.16	97.0	72.4	108.9	52.4	52.1	24.8	10.32	0.37	0.15	0.60
MEAN	.027	.939	3.13	2.34	3.89	1.69	1.74	.80	.344	.012	.005	.020
ACRE-FEET	1.6	56	192	144	216	104	103	49	20	.7	.3	1.2

Remarks:

YEAR OR PERIOD MEAN 1.23
ACRE-FEET 888

75D74M F. C. Dist. 53 9-50

Daily discharge, in second-feet of FISH CREEK above Mouth of Canyon, for the year ending September 30, 1951

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0.1	0.2	0.2	0.7	1.9	0.4	0.9	0.2	0	0	0
2	0	0.1	0.3	0.3	0.6	1.8	0.4	0.7	0.2	0	0	0
3	0	0	0.3	0.4	0.6	1.3	0.4	0.6	0.1	0	0	0
4	0	0	0.3	0.3	0.5	1.2	0.5	0.5	0.1	0	0	0
5	0	0	0.4	0.3	0.5	1.1	0.5	0.5	0.1	0	0	0
6	0	0	0.3	0.3	0.6	1.1	0.5	0.5	0.1	0	0	0
7	0	0	0.3	0.2	0.7	1.0	0.5	0.6	0.2	0	0	0
8	0	0	0.3	0.2	0.7	0.9	0.5	0.6	0.2	0	0	0
9	0	0	0.3	0.3	0.7	0.8	0.5	0.5	0.2	0	0	0
10	0	0	0.3	0.4	0.7	0.8	0.5	0.4	0.1	0	0	0
11	0	0	0.3	2.5	0.7	0.8	0.4	0.5	0.1	0	0	0
12	0	0	0.3	1.4	0.8	0.6	0.4	0.5	0.1	0	0	0
13	0	0	0.3	0.5	0.6	0.6	0.4	0.4	0.1	0	0	0
14	0	0.2	0.3	0.5	0.6	0.6	0.4	0.5	0.1	0	0	0
15	0	0.1	0.3	0.4	0.5	0.6	0.4	0.4	0	0	0	0
16	0	0.1	0.3	0.5	0.5	0.7	0.5	0.4	0	0	0	0
17	0	0.1	0.3	0.4	0.5	0.6	0.5	0.4	0	0	0	0
18	0	0.1	0.2	0.5	0.5	0.6	0.5	0.4	0	0	0	0
19	0	1.4	0.2	5.6	0.5	0.6	0.5	0.3	0	0	0	0
20	0	0.8	0.3	1.0	0.5	0.5	0.5	0.3	0	0	0	0
21	0	0.5	0.3	0.8	0.5	0.5	0.5	0.4	0	0	0	0
22	0	0.4	0.3	0.8	0.5	0.5	0.5	0.3	0.1	0	0	0
23	0	0.3	0.3	0.7	0.5	0.5	0.5	0.2	0.1	0	0	0
24	0	0.3	0.2	0.6	0.5	0.4	0.5	0.2	0.1	0	0	0
25	0	0.2	0.2	0.5	0.5	0.4	1.3	0.2	0.1	0	0	0
26	0	0.2	0.2	0.5	0.5	0.4	0.9	0.2	0.1	0	0	0
27	0.1	0.2	0.4	0.5	1.0	0.5	0.7	0.2	0	0	0	0
28	0.1	0.2	0.4	0.5	0.6	0.5	2.8	0.2	0	0	0	0
29	0.1	0.2	0.4	2.9		0.5	4.5	0.2	0	0	0	0
30	0.1	0.2	0.4	1.7		0.5	1.3	0.2	0	0	0	0
31	0.1		0.3	0.8		0.5		0.2		0	0	
	0.5	5.7	9.2	26.5	16.6	23.3	22.7	12.4	2.4	0	0	0
MEAN	0.02	0.19	0.30	0.85	0.59	0.75	0.76	0.40	0.08			
ACRE-FEET	1.0	11.	18.	53.	33.	46.	45.	25.	4.8			

Remarks:

YEAR OR PERIOD MEAN 0.33
ACRE-FEET 237

STATION U12-R

HAINES CREEK above Mouth of Canyon

LOCATION: WATER-STAGE RECORDER AND BROAD-CRESTED WEIR. LAT. 34°15'50", LONG. 118°16'15", IN NW 1/4 NW 1/4 SEC. 17. T2. N., R. 13 W., HALF A MILE UPSTREAM FROM MOUTH OF CANYON AND 1 1/2 MILES NORTHEAST OF TUJUNGA. ALTITUDE OF GAGE ABOUT 2,430 FEET.

DRAINAGE AREA: 1.2 SQUARE MILES.

RECORDS AVAILABLE: FEBRUARY 1917 TO SEPTEMBER 1934, OCTOBER 1935 TO SEPTEMBER 30, 1951.

AVERAGE DISCHARGE: 32 YEARS, 0.159 SECOND-FOOT.
33 " 0.154 " "

EXTREMES:
1949-1950
MAXIMUM DISCHARGE, NOT DETERMINED - VERY SMALL.
MINIMUM DAILY DISCHARGE, NO FLOW DURING OCTOBER AND SEPTEMBER.
1950-1951
MAXIMUM DISCHARGE 0.1 SECOND-FOOT APRIL 25 (GAGE HEIGHT 1.11 FEET).
MINIMUM DAILY DISCHARGE NO FLOW MOST OF YEAR.
1917-1934, 1935-1951
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 FAIR. A DEBRIS WAVE (COMMONLY CALLED A MUD FLOW) ATTAINED A GAGE HEIGHT OF APPROXIMATELY 11 FEET JANUARY 1, 1934. DISCHARGE NOT DETERMINED. DIVERSIONS ABOVE STATION FOR DOMESTIC USE.

DISCHARGE MEASUREMENTS OF HAINES CREEK
~~AT~~ NEAR above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1950

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	D. MT. CHANGE TOTAL	METER NO.
576	1-6		U.S.G.S.				1.08	0.015		EST.			
577	1-29		"				1.10	.02		"			
578	2-6		"	0.30	0.009	0.8	1.06	.007		FLOAT			
579	2-20		"				1.10	.001		VOL.			
580	3-6		"				1.12	.0002		"			
581	3-21		"				1.10	.001		"			
582	4-11		"				1.11	.001		EST.			
583	4-18		"				1.15	.005		"			
584	5-2		"				1.09	.007		"			
585	5-16		"				1.14	.005		"			
586	6-1		"				1.02	.001		"			
587	6-26		"				1.02	.001		"			
588	7-3		"				1.01	.0003					

DISCHARGE MEASUREMENTS OF HAINES CREEK
~~AT~~ NEAR above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1951

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	D. MT. CHANGE TOTAL	METER NO.
589	3-2		USGS				1.03	0.003		EST.			
590	3-26		"				1.02	0.002		EST.			
591	4-16		"				1.02	0.001		EST.			

75D74M F. C. Dist. 52 9-50

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, 1950

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0.01	0.01	0	0	0	0	0	0	0
2	0	0	0	0.01	0.01	0	0	0	0	0	0	0
3	0	0	0	0.01	0.01	0	0	0	0	0	0	0
4	0	0	0	0.01	0.01	0	0	0	0	0	0	0
5	0	0	0	0.01	0.01	0	0	0	0	0	0	0
6	0	0	0	0.01	0.01	0	0	0.01	0	0	0	0
7	0	0	0	0.01	0.01	0.01	0	0.01	0	0	0	0
8	0	0	0	0.02	0.01	0.01	0.01	0.01	0	0	0	0
9	0	0	0	0.01	0.01	0.01	0	0.01	0	0	0	0
10	0	0	0	0.01	0.01	0.01	0	0.01	0	0	0	0
11	0	0	0	0.02	0.01	0.01	0	0.01	0	0	0	0
12	0	0	0	0.02	0.01	0.01	0	0.01	0	0	0	0
13	0	0	0	0.02	0.01	0.01	0	0.01	0	0	0	0
14	0	0	0	0.02	0.01	0.01	0	0.01	0	0	0	0
15	0	0	0	0.02	0.01	0.01	0	0.01	0	0	0	0
16	0	0	0	0.01	0.01	0	0	0.01	0	0	0	0
17	0	0	0	0.01	0.01	0	0	0.01	0	0	0	0
18	0	0	0	0.01	0.01	0	0	0.01	0	0	0	0
19	0	0	0	0.01	0	0.01	0	0.01	0	0	0	0
20	0	0	0	0	0	0.01	0	0.01	0	0	0	0
21	0	0	0	0	0	0	0	0.01	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	0.01	0	0	0	0	0	0	0	0
27	0	0	0	0.01	0	0	0	0	0	0	0	0
28	0	0	0	0.01	0	0	0	0	0	0	0	0
29	0	0	0	0.02		0	0	0	0	0	0	0
30	0	0	0	0.01		0	0	0	0	0	0	0
31	0		0	0.01		0		0		0	0	
	0	0	0	0.32	0.18	0.11	0.01	0.16	0	0	0	0
MEAN	0	0	0	.010	.006	.004	.0003	.005	0	0	0	0
ACRE-FEET	0	0	0	0.6	0.4	0.2	0.02	0.3	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN .002
ACRE-FEET 1.5

STATION F287-R

LA TUNA CREEK at Belmont Country Club

LOCATION: WATER-STAGE RECORDER, LAT. 34°14'16", LONG. 118°19'14", ON THE RIGHT (NORTHERLY) END OF THE UPSTREAM SIDE OF THE WOODEN BRIDGE AT LA TUNA CANYON ROAD ABOUT 3.7 MILES NORTHEAST OF SUN VALLEY. ELEVATION OF GAGE ABOUT 1158 FEET.

DRAINAGE AREA: 5.1 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - SAND AND GRAVEL CONFINED BY PIPE AND WIRE FENCES. CONTROL - CHANNEL FORMS CONTROL.

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

RECORDER: INSTALLED MARCH 13, 1946 OVER A 21-INCH CORRUGATED IRON PIPE STILLING WELL. A STEVENS TYPE L WEEKLY RECORDER WAS IN SERVICE FROM OCTOBER 1, 1949 TO SEPTEMBER 30, 1951.

REGULATION AND/OR DIVERSIONS: NONE

RECORDS AVAILABLE: MARCH 13, 1946 TO SEPTEMBER 30, 1951.

EXTREMES OF DISCHARGE:
1949-50
MAXIMUM + FLOW, APRIL 8
MINIMUM NO FLOW MOST OF YEAR.
1950-51
NO FLOW ENTIRE YEAR.

ACCURACY: FAIR.

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

STATION F149-R

LIMEKILN WASH at Devonshire Avenue

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 GATE 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 CULVET

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, 1949 TO SEPTEMBER 30, 1951.

REGULATION: NONE.

RECORDS AVAILABLE: NOVEMBER 9, 1939 TO SEPTEMBER 30, 1951.

EXTREMES OF DISCHARGE:

1949-50
MAXIMUM 22 SECOND-FEET, FEBRUARY 6.
MINIMUM NO FLOW MOST OF YEAR.

1950-51
MAXIMUM 21 SECOND-FEET, JANUARY 29.
MINIMUM NO FLOW MOST OF YEAR.

1939-51
MAXIMUM 318 SECOND-FEET, FEBRUARY 17, 1941.
MINIMUM NO FLOW MOST OF EACH YEAR.

ACCURACY: GOOD.

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

DISCHARGE MEASUREMENTS OF LIMEKILN WASH

AT ~~NEAR~~ Devonshire Avenue DURING THE YEAR ENDING SEPTEMBER 30, 19 50

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
124	12-18	1850 / 1856	TURNER - RILEY	4.0	1.27	0.87	0.21	1.1		.6	5	-.01	FC43
125	1-11	1329 / 1335	"	7.0	2.11	1.52	0.40	3.2		.5	6	0	"
126	2-6	1330 / 1333	"	4.0	1.92	1.04	0.26	2.0		.6	5	0	"

DISCHARGE MEASUREMENTS OF LIMEKILN WASH

AT ~~NEAR~~ Devonshire Avenue DURING THE YEAR ENDING SEPTEMBER 30, 19 51

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
127	1-11	1512 / 1515	TURNER	7.0	3.87	1.76	0.60	6.8		.6	5	+.09	FC43
128	1-29	0940 / 0943	"	2.0	0.18	0.94	0.31	0.17		.5	4	+.03	"
129	1-29	1453 / 1456	TURNER-OCAMPO	4.0	0.77	1.22	0.33	0.94		.6	5	0	"
130	3-1	1040 / 1046	TURNER-TRUMBO	4.2	1.63	2.88	0.54	4.7		.6	6	0	"

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F149

Daily discharge, in second-feet of LIMEKILN WASH at Devonshire Street, for the year ending September 30, 1950

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	3.9	0	0	0				
7	0	0	0	0	0	0	0	0				
8	0	0	0	0.9	0	0	0	0				
9	0	0	0	+	0	0	0.1	0				
10	0	0	0	0	0.3	0	0	0				
11	0	0	0	1.2	0	0	0	0				
12	0	0	0	0.7	0	0	0	0				
13	0	0	0	+	0	0	0	0				
14	0	0	0	+	0	0	0	0				
15	0	0	0	+	0	0	0	0				
16	0	0	0	0	0	0	+	0				
17	0	0	0	0	0	0	0	0				
18	0	0	1.4	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				0
22	0	0	0	0	0	0	0	0				0
23	0	0	0	0	0	0	0	0				0
24	0	0	0	0	0	0.2	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	0	0	0	0				0
29	0	0	0	0		0	0	0				0
30	0	0	0	0		0	0	0				0
31	0		0	0		0		0				
	0	0	1.4	2.8	4.2	0.2	0.1	0	0	0	0	0
MEAN	0	0	.045	.090	.150	.006	.003	0	0	0	0	0
ACRE-FEET	0	0	2.8	5.6	8.3	0.4	0.2	0	0	0	0	0

Stopped for summer 6 - 1 - 50

Remarks: + = 0.05 c.f.s. or less

YEAR OR PERIOD MEAN 0.02
ACRE-FEET 17.

76DT4M F. C. Dist. 52 9-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F149-R

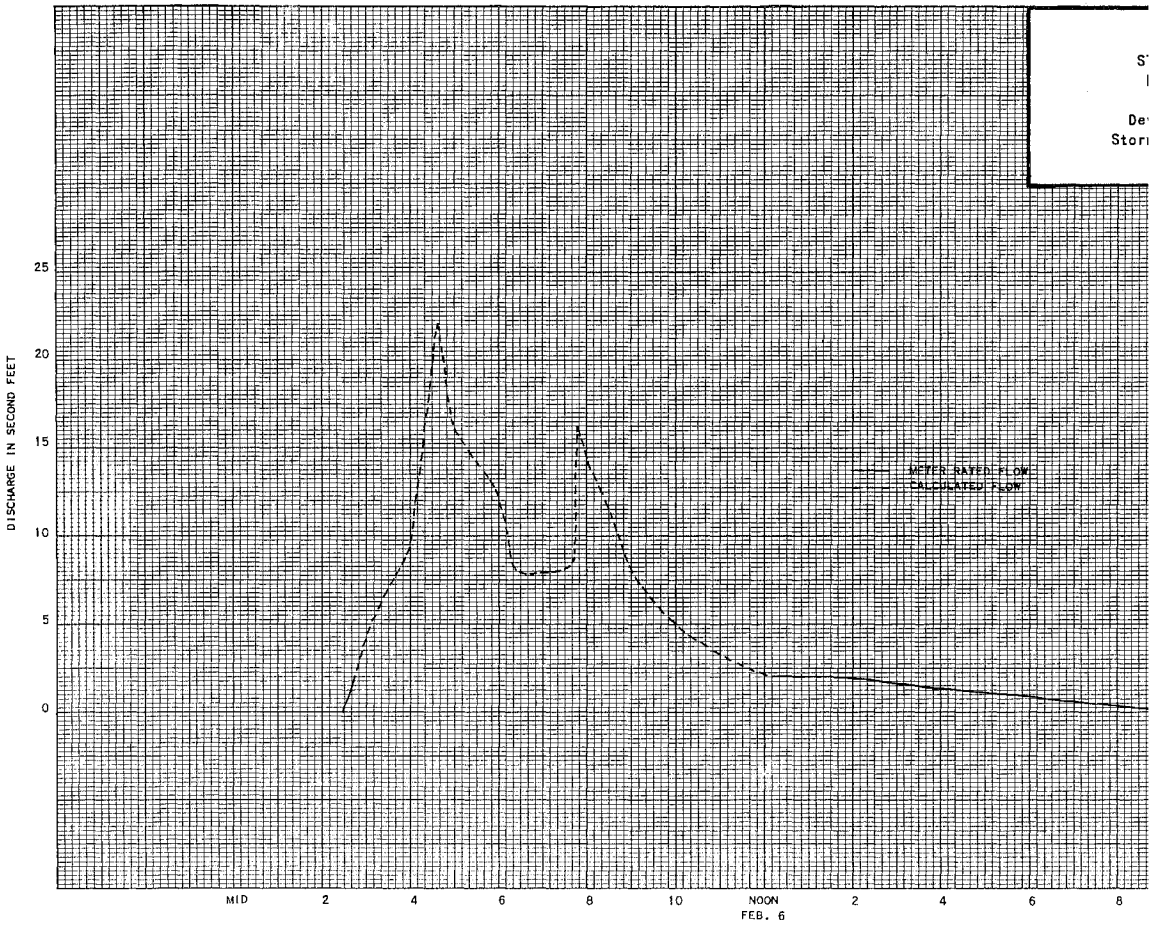
Daily discharge, in second-feet of LIMEKILN WASH at Devonshire Street, for the year ending September 30, 1951

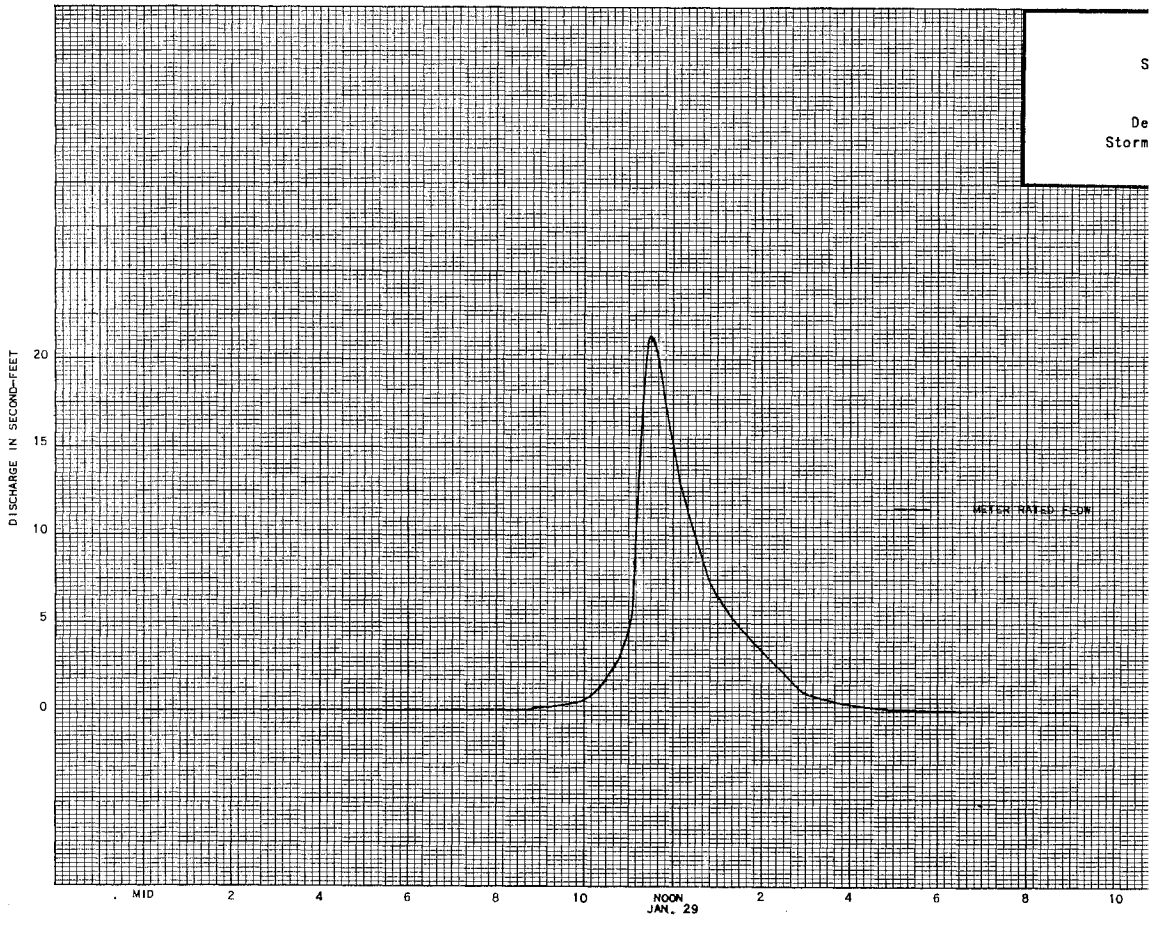
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	1.7	0	0				0
2	0	0	0	0	0	0	0	0				0
3	0	0	0	0	0	0	0	0				0
4	0	0	0	0	0	0	0	0				0
5	0	0	0	0	0	0	0	0				0
6	0	0	0	0	0	0	0	0				0
7	0	0	0	0	0	0	0	0				0
8	0	0	0	0	0	0	0	0				0
9	0	0	0	0	0	0	0	0				0
10	0	0	0	0	0	0	0	0				0
11	0	0	0	1.4	0	0	0	0				0
12	0	0	0	0	0	0	0	0				0
13	0	0	0	0	0	0	0	0				0
14	0	0	0	0	0	0	0	0				0
15	0	0	0	0	0	0	0	0				0
16	0	0	0	0	0	0	0	0				0
17	0	0	0	0	0	0	+	0				0
18	0	0	0	0.6	0	0	0	0				0
19	0	0	0	0.9	0	0	0	0				0
20	0	0	0	0	0	0	0	0				0
21	0	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				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	0	0	0	0	0				0
27	0	0	0	0	+	0	0	0				0
28	0	0	0	0	0	0	0.9	0				0
29	0	0	0	1.6		0	0	0			0	0
30	0	0	0	+		0	0	0			0	0
31	0		0	0		0		0			0	
	0	0	0	4.5	+	1.7	0.9	+			0	0
MEAN	0	0	0	0.15	+	0.05	0.03	+	0	0	0	0
ACRE-FEET	0	0	0	8.9	+	3.4	1.8	+	0	0	0	0

Stopped for summer

Remarks: + = 0.05 c.f.s. or less.

YEAR OR PERIOD MEAN .019
ACRE-FEET 14.


DISCHARGE IN SECOND FEET
25
20
15
10
5
0
METER RATED FLOW
CALCULATED FLOW
MID
2
4
6
8
10
NOON
2
4
6
8
FEB. 6


DISCHARGE IN SECOND-FEET
20
15
10
5
0
METER RATED FLOW
MID
2
4
6
8
10
NOON
2
4
6
8
10
JAN. 29

STATION F65B-R

LITTLE DALTON CREEK above Mouth of Canyon

LOCATION: WATER-STAGE RECORDER, LAT. 34°10 05". LONG. 117°50'17". ON THE LEFT (EAST) BANK ABOUT 120 FEET ABOVE GLENDORA MOUNTAIN ROAD CROSSING, 0.8 MI. ABOVE MOUTH OF CANYON AND ABOUT 3 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. AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1949 TO SEPTEMBER 30, 1951.

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, 1951.

EXTREMES OF DISCHARGE:
1949-50
MAXIMUM 8.1 SECOND-FEET, DECEMBER 18.
MINIMUM NO FLOW FOR SEVERAL MONTHS.
1950-51
MAXIMUM 5.4 SECOND-FEET, JANUARY 11.
MINIMUM NO FLOW FOR SEVERAL MONTHS.
1929-51
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 WITH COOPERATION OF 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, 1950

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
489	12-19	0025 / 0035	STUNDEN	5.0	1.88	2.33	0.54	4.4		.5	5	0	FC36
490	12-19	1620 / 1630	STUNDEN - DAL CORSO	4.0	1.37	1.61	0.40	2.2		.5	4	0	"
491	12-22	1700 / 1705	STUNDEN	1.0	0.20	1.15	0.16	0.23		.5	2	0	"
492	12-29	1010 / 1012	"	1.0	0.12	0.67	0.10	0.08		.5	2	0	"
493	1-5	1545 / 1550	"	0.80	0.09	0.89	0.09	0.08		.5	2	0	"
494	1-11	0900 / 0905	"	1.0	0.20	1.15	0.13	0.23		.5	2	0	"
495	1-19	1605 / 1608	"	1.0	0.24	1.29	0.16	0.31		.5	2	0	"
496	1-26	1125 / 1130	"	1.0	0.20	1.25	0.13	0.25		.5	2	0	"
497	2-2	1600 / 1603	"	1.0	0.19	0.74	0.12	0.14		.5	2	0	"
498	2-6	1240 / 1250	"	4.0	1.73	2.43	0.45	4.2		.5	7	-.01	"
499	2-9	0648 / 0651	STUNDEN - BREWSTER	1.0	0.40	1.90	0.30	0.76		.5	2	0	"
500	2-10	1550 / 1555	STUNDEN	4.0	1.00	1.40	0.32	1.4		.5	4	0	"
501	2-16	1635 / 1640	"	1.0	0.30	1.70	0.20	0.51		.5	2	0	"
502	2-23	0815 / 0818	"	1.0	0.24	1.50	0.18	0.36		.5	2	0	"
503	3-2	0900 / 0905	"	1.0	0.22	1.32	0.16	0.29		.5	2	0	"
504	3-9	1000 / 1005	STUNDEN - BROWN	1.0	0.19	0.95	0.14	0.18		.5	2	0	"
505	3-16	1408 / 1412	STUNDEN	1.0	0.15	0.80	0.12	0.12		.5	2	0	"
506	3-23	1545 / 1548	"	0.50	0.05	1.00	0.10	0.05		.5	1	0	"
507	3-24	2235 / 2247	"	7.0	1.79	1.12	0.48	2.0		.5	5	0	"
508	3-31	1605 / 1606	"	0.50	0.09	1.11	0.14	0.10		.5	1	0	"
509	4-6	0810 / 0815	"	0.50	0.10	0.70	0.13	0.07		.5	1	0	"
510	4-13	1545 / 1548	"	0.70	0.14	0.86	0.12	0.12		.5	1	0	"
511	4-20	0955 / 0958	"	0.50	0.10	0.90	0.11	0.09		.5	1	0	"
512	4-27	1515 / 1520	"	0.60	0.08	1.25	0.11	0.10		.5	1	0	"
513	5-4	0830 / 0835	"	0.60	0.09	1.00	0.12	0.09		.5	1	0	"
514	5-11	0840 / 0843	"	0.50	0.05	0.80	0.08	0.04	FLOATS		1	0	
515	5-18	0830 / 0832	"	0.50	0.05	0.60	0.10	0.03	SURF.		1	0	FC36
516	6-1	0815 / 0817	"	0.40	0.01	1.00	0.07	0.01	FLOATS		1	0	

DISCHARGE MEASUREMENTS OF LITTLE DALTON CREEK

~~AT~~ NEAR Above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1951

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
517	3-												
517	3-1	1045 / 1050	STUNDEN	0.6	0.10	0.60	0.084	0.06		.5	2	0	FC36
518	3-15	0745 / 0750	"	0.5	0.05	0.40	0.06-	0.02	FLOATS		1	0	
519	4-25	1415 / 1420	"	0.5	0.06	1.66	0.10	0.10	FLOATS		1	0	
520	4-28	2220 / 2230	"	2.0	0.32	1.59	0.21	0.51	FLOATS		5	0	
521	5-3	1520 / 1525	"	0.5	0.06	0.67	0.08	0.04		.5	1	0	49H
522	5-10	0850 / 0855	"	2.0	0.04	0.50	0.08	0.02	FLOATS		5	0	

F. C. Dist. Form 52 4-48

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F65BR

Daily discharge, in second-feet of LITTLE DALTON CREEK above Mouth of Canyon, for the year ending September 30, 19 50

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0.1	0.1	0.3	0.1	0.1	+	0	0	0
2	0	0	0	0.1	0.1	0.3	0.1	0.1		0	0	0
3	0	0	0	0.1	0.1	0.3	0.1	0.1		0	0	0
4	0	0	0	0.1	0.1	0.2	0.1	0.1		0	0	0
5	0	0	0	0.1	0.1	0.2	0.1	0.1		0	0	0
6	0	0	0	0.1	3.3	0.2	0.1	0.1		0	0	0
7	0	0	0	0.1	1.7	0.2	0.1	0.1		0	0	0
8	0	0	0	0.3	1.2	0.2	0.2	+	+	0	0	0
9	0	0	0	0.4	0.7	0.2	0.6		0	0	0	0
10	0	0.1	0	0.3	1.4	0.1	0.2		0	0	0	0
11	0	0	0	0.8	1.2	0.1	0.2		0	0	0	0
12	0	0	0	1.0	1.2	0.1	0.2		0	0	0	0
13	0	0	0	0.6	1.4	0.1	0.2	+	0	0	0	0
14	0	0	0	0.5	1.2	0.1	0.2	0.1	0	0	0	0
15	0	0	0	0.5	1.0	0.1	0.2	+	0	0	0	0
16	0	0	0	0.4	0.6	0.1	0.1		0	0	0	0
17	0	0	0	0.3	0.5	0.1	0.1		0	0	0	0
18	0	0	1.2	0.3	0.5	0.1	0.1		0	0	0	0
19	0	0	2.8	0.3	0.5	0.1	0.1		0	0	0	0
20	0	0	0.7	0.3	0.4	0.1	0.1		0	0	0	0
21	0	0	0.5	0.3	0.4	0.1	0.1		0	0	0	0
22	0	0	0.3	0.3	0.3	0.1	0.1		0	0	0	0
23	0	0	0.2	0.3	0.3	0.1	0.1		0	0	0	0
24	0	0	0.1	0.3	0.2	0.7	0.1		0	0	0	0
25	0	0	0.1	0.3	0.2	0.9	0.1		0	0	0	0
26	0	0	0.1	0.3	0.2	0.6	0.1		0	0	0	0
27	0	0	0.1	0.3	0.3	0.4	0.1		0	0	0	0
28	0	0	0.1	0.3	0.3	0.3	0.1		0	0	0	0
29	0	0	0.1	0.4		0.2	0.1		0	0	0	0
30	0	0	0.1	0.2		0.1	0.1		0	0	0	0
31	0		0.1	0.1		0.1		+		0	0	
	0	0.1	6.5	9.8	19.5	6.8	4.2	0.8	+	0	0	0
MEAN	0	+	0.21	0.32	0.70	0.22	0.14	.026	+			
ACRE-FEET	0	0.2	13.	19.	39.	13.	8.3	1.6	+	0	0	0

Remarks: + = less than 0.01 c.f.s.

YEAR OR PERIOD MEAN 0.13
ACRE-FEET 94.

76DT4M F. C. Dist. 52 9-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

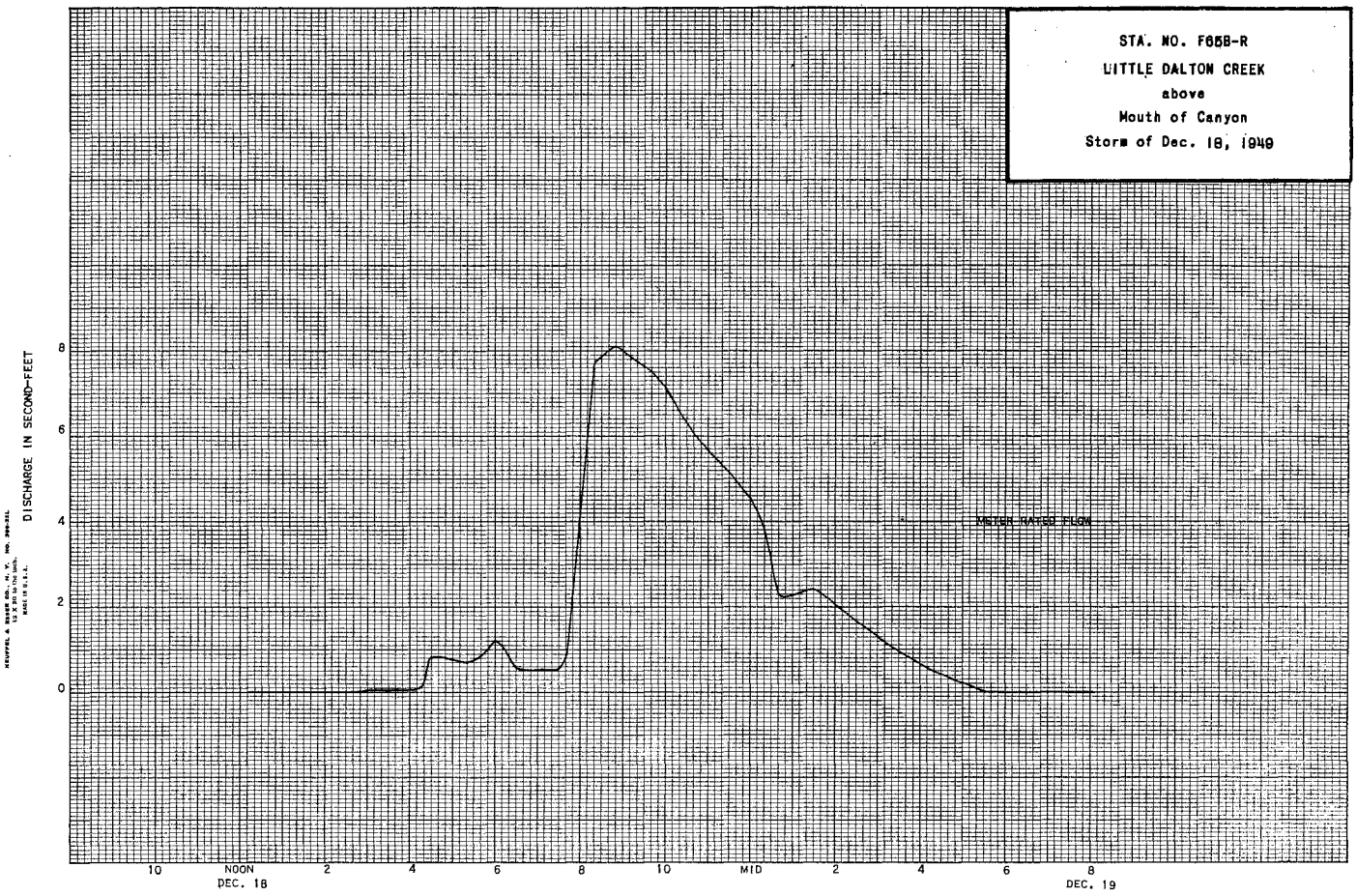
Sta. No. F65B-R

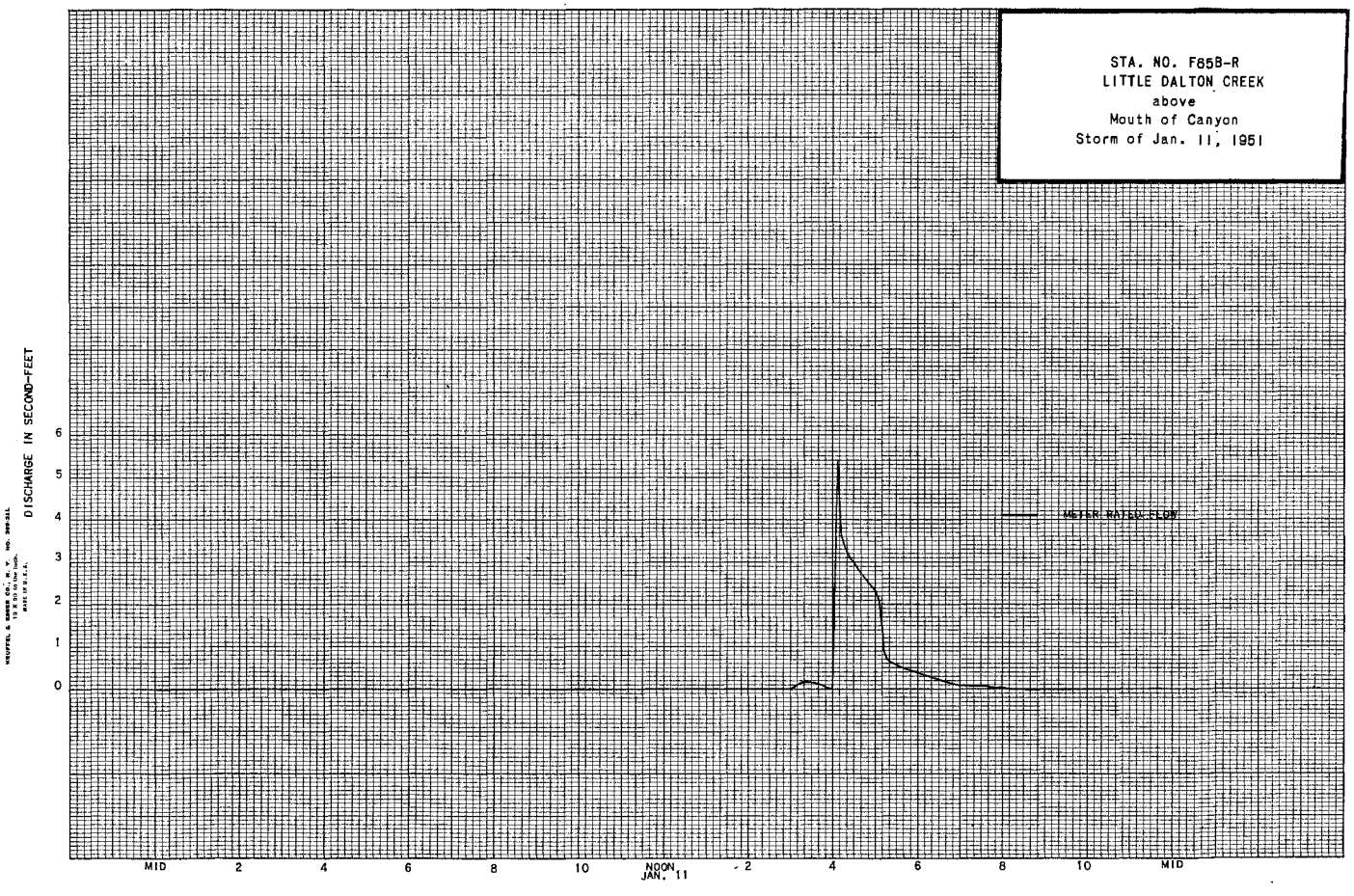
Daily discharge, in second-feet of LITTLE DALTON CREEK above mouth of Canyon, for the year ending September 30, 1951

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	a 0.1	0	0.1	0	0	0	0
2	0	0	0	0	0	a 0.1	0	0.1	0	0	0	0
3	0	0	0	0	0	a 0.1	0	0.1	0	0	0	0
4	0	0	0	0	0	+	+	+	0	0	0	0
5	0	0	0	0	0		0		0	0	0	0
6	0	0	0	0	0		0		0	0	0	0
7	0	0	0	0	0		0		0	0	0	0
8	0	0	0	0	0	+	0		0	0	0	0
9	0	0	0	0	0	0.1	0		0	0	0	0
10	0	0	0	0	0	+	0		0	0	0	0
11	0	0	0	0.2	0		0		0	0	0	0
12	0	0	0	0	0		0		0	0	0	0
13	0	0	0	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
16	0	0	0	0	0	0.1	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	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	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	0	+	0	0	0	0	0	0	0
27	0	0	0	0	+	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0.4	0	0	0	0	0
29	0	0	0	0.1		0	0.5	0	0	0	0	0
30	0	0	0	0		0	0.1	0	0	0	0	0
31	0		0	0		0		0		0	0	
	0	0	0	0.3		0.5	1.0	0.3	0	0	0	0
MEAN	0	0	0	.010	+	.016	.033	.010	0	0	0	0
ACRE-FEET	0	0	0	0.6	+	1.0	2.0	0.6	0	0	0	0

Remarks: + = 0.05 c.f.s. or less.

YEAR OR PERIOD MEAN .006
ACRE-FEET 42.


STA. NO. F65B-R
LITTLE DALTON CREEK
above
Mouth of Canyon
Storm of Dec. 18, 1949
DISCHARGE IN SECOND-FEET
METER RATED FLOW
0
2
4
6
8
10
NOON
DEC. 18
2
4
6
8
10
MID
2
4
6
8
DEC. 19


STA. NO. F65B-R
LITTLE DALTON CREEK
above
Mouth of Canyon
Storm of Jan. 11, 1951
DISCHARGE IN SECOND-FEET
METER RATED FLOW
0
1
2
3
4
5
6
MID
2
4
6
8
10
NOON
JAN. 11
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 3,290 FEET.

DRAINAGE AREA: 49.0 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" CORRUGATED IRON PIPE STILLING WELL. AN H.C.F. CONTINUOUS RECORDER IN SERVICE FROM OCTOBER 1, 1949 TO SEPTEMBER 30, 1951.

REGULATION: NONE.

RECORDS AVAILABLE: OCTOBER 1, 1930 TO SEPTEMBER 30, 1951.

EXTREMES OF DISCHARGE:

1949-50
MAXIMUM 212 SECOND-FEET, FEBRUARY 6.
MINIMUM NO FLOW PART OF YEAR.

1950-51
MAXIMUM 5.0 SECOND-FEET, MAY 4.
MINIMUM NO FLOW PART OF YEAR.

1930-51
MAXIMUM 17,000 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 50

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
218	11-30	1405 / 1410	LUCE	4.2	1.20	0.92	3.38	1.1		.6	5	0	FC39
219	12-15	0930 / 0940	"	4.7	1.52	0.86	3.45	1.3		.6	5	0	"
220	12-28	1015 / 1025	"	19.0	5.42	0.68	3.56	3.7		.6	9	0	"
221	1-10	1445 / 1455	"	11.0	4.39	0 68	3.55	3.0		.6	6	0	"
222	1-13	1425 / 1430	"	9.0	3.95	0.58	3.52	2.3		.6	7	0	"
223	1-25	1200 / 1210	"	21.0	8.92	0.87	3.76	7.8		.6	11	0	"
224	2-10	1340 / 1350	"	23.0	14.1	1.50	3.96	21.2		.6	12	0	"
225	2-15	1255 / 1305	"	21.5	9.84	1.04	3.80	10.2		.6	8	0	"
226	3-1	1400 / 1410	"	21.0	6.91	0.80	3.67	5.5		.6	9	0	"
227	3-16	0857 / 0908	LUCE - LINDSAY	13.5	5.20	1.10	3.62	5.7		.6	8	0	"
228	3-29	1140 / 1150	LUCE	11.5	9.25	0.62	3.67	5.7		.6	7	0	"
229	4-12	1215 / 1225	"	14.0	11.6	1.00	3.81	11.6		.6	9	0	"
230	4-20	1440 / 1450	"	14.0	10.8	0.85	3.77	9.2		.6	8	0	"
231	5-3	1150 / 1200	"	13.1	8.72	0.50	3.61	4.4		.6	9	0	"
232	5-17	1250 / 1300	"	5.5	1.91	1.10	3.52	2.1		.6	6	0	"
233	5-31	0830 / 0835	"	4.5	1.43	0.66	3.34	0.94		.6	6	0	"
234	6-14	1145 / 1150	"	4.5	1.05	0.48	3.35	0.49		.6	5	0	"
235	6-29	1410 / 1415	"	3.1	0.69	0.26	3.31	0.18		.6	5	0	"

DISCHARGE MEASUREMENTS OF LITTLE ROCK CREEK

~~AT~~ NEAR above Little Rock Dam

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	ME VELO FT.PE
236	1-17	0855 / 0900	LUCE	4.0	1.19	0.
237	2-2	0945 / 0955	"	5.0	1.62	0.
238	2-14	1615 / 1620	"	4.4	1.18	0.
239	2-28	1120 / 1130	"	4.6	1.48	0.
240	4-11	1650 / 1700	"	4.5	1.47	0.
241	5-3	1135 / 1145	"	TWO CHANNELS		
242	5-9	0815 / 0825	"			
243	5-22	0910 / 0915	"	5.0	1.55	0.
244	6-6	0920 / 0925	"	3.5	0.75	0.
245	6-20	0850 / 0855	"	2.3	0.23	0.
246	7-3	0950 / 0955	"	1.6	0.13	0.

T6D74M F. C. Dist. 52 9-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. LIR

Daily discharge, in second-feet of LITTLE ROCK CREEK above Little Rock Dam for the year ending September 30, 1950

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	1.2	3.2	4.2	5.6	5.0	4.4	1.0	0.1	0	0
2	0	0	1.2	3.0	4.0	6.0	5.0	4.2	0.8	0.1	0	0
3	0	0	1.2	2.8	3.6	6.3	4.7	4.4	0.8	0.1	0	0
4	0	0	1.2	2.6	3.4	6.0	4.4	4.4	0.8	0.1	0	0
5	0	0	1.2	2.6	3.4	6.0	4.2	4.2	0.7	0.1	0	0
6	0	0	1.2	2.4	11.4	6.3	4.2	4.0	0.7	0.1	0	0
7	0	0	1.3	2.4	8.2	6.0	4.0	3.8	0.7	+	0	0
8	0	0	1.9	4.2	3.9	5.6	6.1	3.6	0.6	+	0	0
9	0	0	4.8	5.8	2.5	5.6	11	3.4	0.6	0	0	0
10	0	0	3.6	3.4	2.2	5.6	8.7	3.2	0.6	0	0	0
11	0	0	2.6	3.4	2.4	5.6	8.7	3.2	0.5	0	0	0
12	0	0	2.0	3.4	1.9	5.6	11	2.6	0.5	0	0	0
13	0	0	1.8	3.0	1.5	5.6	14	2.6	0.5	0	0	0
14	0	0	1.4	2.8	1.2	5.6	19	2.2	0.5	0	0	0
15	0	0	1.3	2.6	1.0	5.6	15	1.9	0.5	0	0	0
16	0	0	1.3	2.6	9.6	5.6	13	1.8	0.5	0	0	0
17	0	+	1.3	2.6	8.7	5.6	13	1.6	0.4	0	0	0
18	0	0.1	2.2	3.5	8.3	5.3	11	1.3	0.4	0	0	0
19	0	0.1	1.9	5.6	7.9	5.3	11	1.4	0.4	0	0	0
20	0	0.2	1.1	6.0	7.5	5.3	9.1	1.2	0.4	0	0	0
21	0	0.3	6.6	6.9	7.2	5.0	8.3	1.0	0.3	0	0	0
22	0	0.4	5.3	8.3	6.6	5.0	7.9	1.0	0.2	0	0	0
23	0	0.5	4.7	9.1	6.3	5.0	7.2	1.0	0.2	0	0	0
24	0	0.6	4.4	10	6.0	6.3	6.6	1.2	0.2	0	0	0
25	0	0.6	4.2	8.7	5.6	11	6.3	1.2	0.2	0	0	0
26	0	0.7	4.0	6.2	5.6	7.2	5.6	1.0	0.2	0	0	0
27	0	0.8	3.8	5.6	5.6	6.6	5.3	1.2	0.2	0	0	0
28	0	0.8	3.8	5.3	5.6	6.0	5.0	1.2	0.2	0	0	0
29	0	1.0	3.6	5.3		5.6	4.7	1.2	0.2	0	0	0
30	0	1.2	3.4	5.0		5.6	4.7	1.2	0.2	0	0	0
31	0		3.2	4.4		5.3		1.0		0	0	
	0	7.3	109.7	142.7	471.1	182.7	243.7	71.6	14.0	0.6	0	0
MEAN	0	0.24	3.54	4.60	16.8	5.89	8.1	2.31	0.47	0.02	0	0
ACRE-FEET	0	14.	218.	283.	934.	362.	483.	142.	28.	1.2	0	0

Remarks: + = 0.05 c.f.s. or less

YEAR OR PERIOD MEAN 3.41
ACRE-FEET 2470.

T6D74M F. C. Dist. 52 9-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

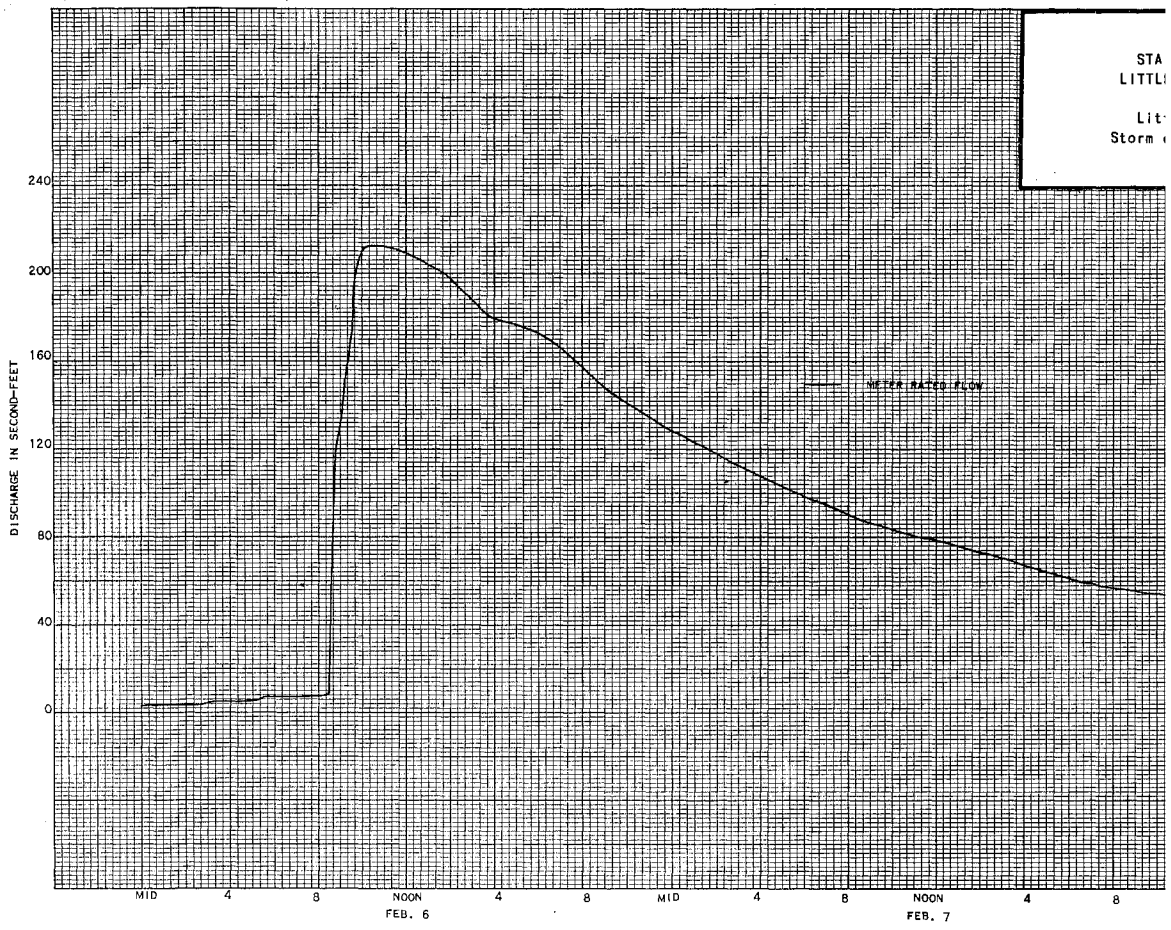
Sta. No. LI - R

Daily discharge, in second-feet of LITTLE ROCK CREEK above Little Rock Dam for the year ending September 30, 1951

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	1.6	1.3	1.4	4.2	0.4	0.1	0	0
2	0	0	0	0	1.4	1.3	1.4	4.4	0.4	0.1	0	0
3	0	0	0	0	1.4	1.3	1.4	4.7	0.4	0.1	0	0
4	0	0	0	0	1.4	1.3	1.4	4.7	0.4	0.1	0	0
5	0	0	0	0	1.4	1.4	1.4	4.2	0.4	0	0	0
6	0	0	0	0	1.6	1.4	1.4	3.4	0.4	0	0	0
7	0	0	0	0	1.6	1.6	1.4	2.8	a 0.4	0	0	0
8	0	0	0	0	1.6	1.9	1.3	2.2	0.4	0	0	0
9	0	0	0	0	1.4	2.4	1.3	1.8	0.4	0	0	0
10	0	0	0	0	1.4	3.0	1.2	1.6	0.4	0	0	0
11	0	0	0	0	1.3	2.8	1.2	1.3	0.4	0	0	0
12	0	0	0	0.3	1.2	2.4	1.2	1.3	0.3	0	0	0
13	0	0	0	0.6	1.0	2.2	1.2	1.3	0.3	0	0	0
14	0	0	0	0.7	0.8	2.2	1.2	2.0	0.3	0	0	0
15	0	0	0	0.8	0.8	2.2	1.2	2.4	0.2	0	0	0
16	0	0	0	0.8	0.8	2.4	1.0	2.0	0.2	0	0	0
17	0	0	0	0.8	0.8	2.4	1.0	1.8	0.2	0	0	0
18	0	0	0	0.8	0.8	2.2	1.0	1.6	0.2	0	0	0
19	0	0	0	0.8	0.8	1.9	1.0	1.3	a 0.1	0	0	0
20	0	0	0	1.0	0.8	1.8	1.2	1.3	0.1	0	0	0
21	0	0	0	1.2	0.8	1.8	1.2	1.3	0.1	0	0	0
22	0	0	0	1.3	0.8	1.6	1.0	1.3	0.1	0	0	0
23	0	0	0	1.3	0.8	1.4	0.8	1.2	0.1	0	0	0
24	0	0	0	1.2	0.8	1.4	0.8	0.8	0.1	0	0	0
25	0	0	0	1.2	1.0	1.4	0.8	0.6	0.1	0	0	0
26	0	0	0	1.2	1.0	1.4	1.0	0.7	0.1	0	0	0
27	0	0	0	1.2	1.2	1.4	1.0	0.6	0.1	0	0	0
28	0	0	0	1.3	1.2	1.4	2.0	0.5	0.1	0	0	0
29	0	0	0	1.8		1.4	4.2	0.4	0.1	0	0	0
30	0	0	0	2.4		1.4	4.7	0.4	0.1	0	0	0
31	0		0	1.9		1.4		0.4		0	0	
	0	0	0	22.6	31.5	55.4	42.3	58.5	7.3	0.4	0	0
MEAN	0	0	0	0.73	1.12	1.79	1.41	1.89	0.24	0.01	0	0
ACRE-FEET	0	0	0	45.	62.	110.	84.	116.	14.	0.8	0	0

Remarks:

YEAR OR PERIOD MEAN 0.60
ACRE-FEET 432.



STATION U3-R

LITTLE SANTA ANITA CREEK above Sierra Madre Dam

LOCATION: WATER-STAGE RECORDER AND CONTROL, LAT. 34°11'15", LONG. 118°02'35" NEAR CENTER OF NW 1/4 SEC. 9 T. 1 N., R 11 W., 1.3 MILES UPSTREAM FROM SIERRA MADRE DAM. ALTITUDE OF GAGE ABOUT 2,200 FEET (FROM TOPOGRAPHIC MAP).

DRAINAGE AREA: 1.9 SQUARE MILES.

RECORDS AVAILABLE: APRIL 1916 TO SEPTEMBER 30, 1951.

AVERAGE DISCHARGE: 33 YEARS (1916-1925, 1926-1950, 0.93 SECOND-FOOT).
34 " " " " 1951 0.91 " "

EXTREMES:

1949-1950
MAXIMUM DISCHARGE 26. SECOND-FEET, NOVEMBER 10. (GAGE HEIGHT 1.62 FEET).
MINIMUM DAILY DISCHARGE 0.02 SECOND-FOOT ON MANY DAYS.

1950-1951
MAXIMUM DISCHARGE 3.2 SECOND-FEET, JANUARY 11. (GAGE HEIGHT 0.95 FEET).
MINIMUM DISCHARGE NO FLOW DURING SEVERAL MONTHS.

1916-1951
MAXIMUM DISCHARGE 536 SECOND-FEET MARCH 2, 1938 COMPUTED ON BASIS OF INFLOW TO SIERRA MADRE FLOOD CONTROL RESERVOIR. NO FLOW DURING PERIODS IN 1919, 1924, AND 1925.

REMARKS: RECORDS GOOD. NO DIVERSIONS ABOVE STATION.

COOPERATION: RECORDS FURNISHED BY UNITED STATES GEOLOGICAL SURVEY.

DISCHARGE MEASUREMENTS OF LITTLE SANTA ANITA CREEK

~~AT~~ NEAR above Sierra Madre Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 50

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
964	10-3		U.S.G.S.	0.7	0.16	0.21	0.42	0.03		.5	7	0	
965	10-17		"	0.6	0.18	0.29	0.45	0.05		.5	6	0	
966	11-1		"	0.60	0.18	0.11	0.43	0.02		.5	6	-.01	
967	11-16		"	1.35	0.28	0.57	0.53	0.16		.5	8	0	
968	12-2		"	1.2	0.33	0.40	0.51	0.13		.5	7	0	
969	12-14		"	1.2	0.29	0.51	0.52	0.15		.5	6	0	
970	12-20		"	5.8	1.77	0.73	0.76	1.30		.5	20	0	
971	12-29		"	1.5	0.38	0.79	0.67	0.30		.5	7	0	
972	1-10		"	1.70	0.69	0.47	0.59	0.31		.5	17	0	
973	1-23		"	2.2	0.49	0.73	0.62	0.36		.5	11	0	
974	2-13		"	1.75	0.93	0.94	0.70	0.87		.6	8	0	
975	3-1		"	1.6	0.74	0.49	0.61	0.36		.5/.6	8	0	
976	3-15		"	1.55	0.65	0.51	0.58	0.33		.5	15	0	
977	3-28		"	3.8	0.86	0.84	0.63	0.72		.5	18	0	
978	4-11		"	5.5	1.21	0.77	0.67	0.93		.5	22	0	
979	5-2		"	2.6	0.42	0.60	0.59	0.25		.5	23	0	
980	5-17		"	2.4	0.36	0.75	0.57	0.27		.5	12	0	
981	6-1		"	1.0	4.40	0.44	0.54	0.20		.5/.6	11	0	
982	6-12		"	1.05	0.44	0.41	0.53	0.18		.5/.6	11	0	
983	6-26		"	1.05	0.38	0.37	0.51	0.14		.5	10	0	
984	7-11		"	0.9	0.34	0.24	0.49	0.08		.5	10	0	
985	7-24		"	1.15	0.28	0.28	0.48	0.08			14	-.01	
986	8-7		"	1.00	0.34	0.15	0.45	0.05		.5	11	0	
987	8-21		"	0.6	0.14	0.21	0.42	0.03		.5	7	-.005	
988	9-6		"	0.60	0.16	0.12	0.42	0.02		.5	6	0	
989	9-19		"	0.60	0.12	0.33	0.46	0.04		.5	7	0	

DISCHARGE MEASUREMENTS OF LITTLE SANTA ANITA CREEK

~~AT~~ NEAR above Sierra Madre Dam DURING THE YEAR ENDING

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.
990	10-2		USGS	0.65	0.18	0.28	0.45	0.05
991	10-25		"	0.58	0.15	0.16	0.42	0.02
992	11-13		"	0.65	0.22	0.41	0.47	0.09
993	12-5		"	0.60	0.21	0.41	0.48	0.08
994	12-20		"	0.63	0.21	0.31	0.47	0.07
995	1-4		"	0.60	0.17	0.47	0.47	0.08
996	1-17		"	0.65	0.19	0.63	0.49	0.12
997	1-31		"	0.60	0.20	1.00	0.54	0.20
998	2-12		"	0.60	0.19	0.63	0.51	0.12
999	2-28		"	0.60	0.20	0.93	0.54	0.19
1000	3-14		"	0.60	0.18	0.67	0.51	0.12
1001	3-26		"	0.60	0.17	0.65	0.50	0.11
1002	4-9		"	0.60	0.16	0.73	0.50	0.12
1003	5-7		"	0.60	0.22	0.77	0.51	0.17
1004	5-22		"	0.65	0.19	0.58	0.50	0.11
1005	6-12		"	2.3	0.35	0.23	0.48	0.08
1006	6-26		"	1.60	0.23	0.26	0.47	0.06
1007	7-10		"	0.70	0.04	0.75	0.45	0.03
1008	7-13		"				0.44	0.03
1009	8-7		"	0.90	0.06	0.17	0.42	0.01
1010	8-30		"	0.65	0.08	0.24	0.42	0.02
1011	9-25		"				0.38	0.01

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, 19 60

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.02	0.02	0.1	0.3	0.3	0.4	0.6	0.4	0.2	0.08	0.07	0.02
2	0.02	0.02	0.1	0.3	0.3	0.4	0.6	0.4	0.2	0.08	0.06	0.02
3	0.03	0.02	0.1	0.3	0.3	0.4	0.5	0.4	0.2	0.07	0.05	0.02
4	0.03	0.02	0.1	0.3	0.3	0.3	0.5	0.4	0.2	0.06	0.05	0.02
5	0.04	0.02	0.1	0.3	0.3	0.3	0.5	0.4	0.2	0.06	0.05	0.02
6	0.04	0.02	0.1	0.3	2.0	0.4	0.5	0.4	0.2	0.06	0.06	0.02
7	0.04	0.02	0.1	0.3	1.4	0.4	0.5	0.3	0.2	0.06	0.04	0.02
8	0.05	0.02	0.3	0.5	1.1	0.3	3.0	0.3	0.2	0.05	0.04	0.02
9	0.05	0.04	0.2	0.4	0.9	0.3	1.8	0.3	0.2	0.07	0.04	0.02
10	0.05	3.9	0.2	0.4	1.2	0.3	1.2	0.3	0.2	0.07	0.03	0.02
11	0.05	0.5	0.2	0.8	1.1	0.4	1.0	0.3	0.2	0.07	0.03	0.02
12	0.05	0.3	0.2	0.7	0.9	0.4	0.9	0.3	0.1	0.07	0.03	0.03
13	0.05	0.2	0.2	0.6	0.9	0.3	0.9	0.3	0.2	0.06	0.03	0.02
14	0.05	0.2	0.2	0.6	0.8	0.3	0.8	0.3	0.2	0.06	0.03	0.02
15	0.04	0.2	0.2	0.5	0.8	0.3	0.8	0.3	0.2	0.05	0.03	0.02
16	0.04	0.2	0.2	0.5	0.8	0.3	0.7	0.3	0.2	0.05	0.03	0.02
17	0.05	0.2	0.2	0.5	0.7	0.3	0.7	0.3	0.1	0.05	0.02	0.08
18	0.04	0.1	4.0	0.4	0.6	0.3	0.6	0.3	0.1	0.06	0.02	0.04
19	0.04	0.1	2.8	0.4	0.6	0.3	0.5	0.2	0.1	0.06	0.02	0.04
20	0.04	0.1	1.4	0.4	0.6	0.3	0.5	0.2	0.1	0.06	0.02	0.04
21	0.04	0.1	0.9	0.4	0.5	0.3	0.5	0.2	0.1	0.06	0.02	0.03
22	0.04	0.1	0.7	0.4	0.5	0.3	0.5	0.2	0.1	0.06	0.02	0.03
23	0.04	0.1	0.6	0.4	0.5	0.3	0.5	0.2	0.1	0.06	0.02	0.04
24	0.03	0.1	0.7	0.4	0.5	2.0	0.5	0.2	0.2	0.06	0.02	0.04
25	0.02	0.1	0.6	0.3	0.5	1.5	0.4	0.2	0.1	0.06	0.02	0.04
26	0.03	0.1	0.5	0.3	0.4	0.9	0.4	0.2	0.1	0.06	0.02	0.04
27	0.03	0.1	0.4	0.3	0.4	0.8	0.4	0.2	0.1	0.06	0.02	0.04
28	0.02	0.1	0.3	0.4	0.4	0.7	0.4	0.2	0.1	0.06	0.02	0.04
29	0.02	0.1	0.3	0.5		0.7	0.4	0.2	0.1	0.06	0.02	0.04
30	0.02	0.1	0.3	0.4		0.6	0.4	0.2	0.1	0.06	0.02	0.05
31	0.02		0.3	0.3		0.6		0.2		0.07	0.02	
	1.13	7.20	16.6	12.9	19.6	15.4	21.5	8.6	4.6	1.92	0.97	0.92
MEAN	.036	.240	0.54	0.42	0.70	0.50	0.72	0.28	0.15	.062	.031	.031
ACRE-FEET	2.2	14	33	26	39	31	43	17	9.1	3.8	1.9	1.8

Remarks:

YEAR OR PERIOD MEAN .305
ACRE-FEET 222.

75DT4M F. C. Dist. 52 9-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. 113-R

Daily discharge, in second-feet of LITTLE SANIA ANITA CREEK above Sierra Madre Dam, for the year ending September 30, 1951

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.1	0.1	0.1	0.1	0.2	0.3	0.1	0.2	0.1	0	0	0
2	0	0.1	0.1	0.1	0.2	0.3	0.1	0.2	0.1	0	0	0
3	0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0	0	0
4	0	0	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0	0	0
5	0	0	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0	0	0
6	0	0	0.1	0.1	0.2	0.2	0.1	0.2	0.1	0	0	0
7	0	0	0.1	0.1	0.1	0.2	0.1	0.2	0.1	0	0	0
8	0	0	0.1	0.1	0.1	0.2	0.1	0.2	0.1	0	0	0
9	0	0	0.1	0.1	0.1	0.2	0.1	0.2	0.1	0	0	0
10	0	0	0.1	0.1	0.1	0.2	0.1	0.2	0.1	0	0	0
11	0	0	0.1	0.5	0.1	0.1	0.1	0.2	0.1	0	0	0
12	0	0	0.1	0.2	0.1	0.1	0.1	0.2	0.1	0	0	0
13	0	0.1	0.1	0.2	0.1	0.1	0.1	0.2	0.1	0	0	0
14	0	0.1	0.1	0.2	0.1	0.1	0.1	0.2	0.1	0	0	0
15	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0
16	0	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0	0	0
17	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0
18	0	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0	0	0
19	0	0.4	0.1	0.5	0.1	0.1	0.1	0.1	0.1	0	0	0
20	0	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0	0	0
21	0	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0	0	0
22	0	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0	0	0
23	0	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0	0	0
24	0	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0	0	0
25	0	0.1	0.1	0.1	0.2	0.1	0.4	0.1	0.1	0	0	0
26	0	0.1	0.1	0.1	0.2	0.1	0.2	0.1	0.1	0	0	0
27	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0	0	0
28	0.1	0.1	0.1	0.2	0.2	0.1	0.5	0.1	0.1	0	0	0
29	0.1	0.1	0.1	0.5		0.1	0.5	0.1	0.1	0	0	0
30	0.1	0.1	0.1	0.3		0.1	0.3	0.1	0	0	0	0
31	0.1		0.1	0.2		0.1		0.1		0	0	
	0.6	2.5	3.1	5.5	4.1	4.3	4.7	4.5	2.9	0	0	0
MEAN	0.02	0.08	0.10	0.18	0.15	0.14	0.16	0.15	0.10	0	0	0
ACRE-FEET	1.2	5.0	6.1	11.	8.1	8.5	9.3	8.9	5.8	0	0	0

Remarks:

YEAR OR PERIOD MEAN 0.09
ACRE-FEET 64

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, 1949 TO SEPTEMBER 30, 1951.

REGULATION: NONE.

DIVERSIONS: NONE KNOWN.

RECORDS AVAILABLE: DECEMBER 26, 1928 TO SEPTEMBER 30, 1951.

EXTREMES OF DISCHARGE:

1949-50
MAXIMUM 9.8 SECOND-FEET, DECEMBER 18.
MINIMUM NO FLOW MOST OF YEAR.

1950-51
MAXIMUM 13. SECOND-FEET, JANUARY 11.
MINIMUM NO FLOW MOST OF YEAR.

1929-51
MAXIMUM 8,500 SECOND-FEET, ESTIMATED MARCH 2, 1938.
MINIMUM NO FLOW PART 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 OR NEAR Foothill Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 1950

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
409	12-18	1339 / 1346	PARDIECK	3.7	0.67	1.79	3.12	1.2		.6	4	+.04	FC33
410	12-18	1619 / 1625	TURNER - RILEY	8.0	1.43	1.19	3.25	1.7		.5	5	0	FC43
411	2-6	0906 / 0912	"	10.5	2.27	1.67	3.28	3.8		.5	7	-.01	"
412	2-8	1044 / 1050	TURNER	2.9	0.40	0.95	3.14	0.38		.5	6	0	"
413	2-15	0950 / 0953	"	1.8	0.18	0.33	2.96	0.06		.5	4	0	"
414	4-13	0830 / 0833	"	1.0	0.10	0.60	2.90	0.06		SURF.	1	0	"

DISCHARGE MEASUREMENTS OF LITTLE TUJUNGA WASH

AT OR NEAR Foothill Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 1951

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
415	1-29	1532 / 1535	TURNER - OCAMPO	5.0	1.34	1.72	3.05	2.3		.6	6	0	FC43

F. C. Dist. Form 53 4-46

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, 1950

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	3.1	0	0	0				
7	0	0	0	0	1.0	0	0	0				
8	0	0	0	+	0.4	0	1.0	0				
9	0	0	0	0	0	0	2.2	0				
10	0	0.1	0	0	0.5	0	0.6	0				
11	0	0	0	0.3	0.4	0	0.1	0				
12	0	0	0	+	b 0.3	0	+	0				
13	0	0	0	0	b 0.2	0	+	0				
14	0	0	0	0	b 0.1	0	+	0				
15	0	0	0	0	+	0	+	0				
16	0	0	0	0		0	0	0				
17	0	0	0	0		0	0	0				
18	0	0	1.5	0		0	0	0				
19	0	0	0.1	0		0	0	0				
20	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	0.7	0	0				0
25	0	0	0	0	0	1.6	0	0				0
26	0	0	0	0	0	0.2	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				0
30	0	0	0	0		0	0	0				0
31	0		0	0		0		0				
	0	0.1	1.6	0.3	6.0	2.5	4.1	0				0
MEAN	0	0.003	0.05	0.01	0.21	0.08	0.14	0	0	0	0	0
ACRE-FEET	0	0.2	3.2	0.6	12.	5.0	8.1	0	0	0	0	0

Remarks: + = 0.05 c.f.s. or less.

YEAR OR PERIOD MEAN 0.04
ACRE-FEET 29.

76D74M F. C. Dist. 53 9-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F19R

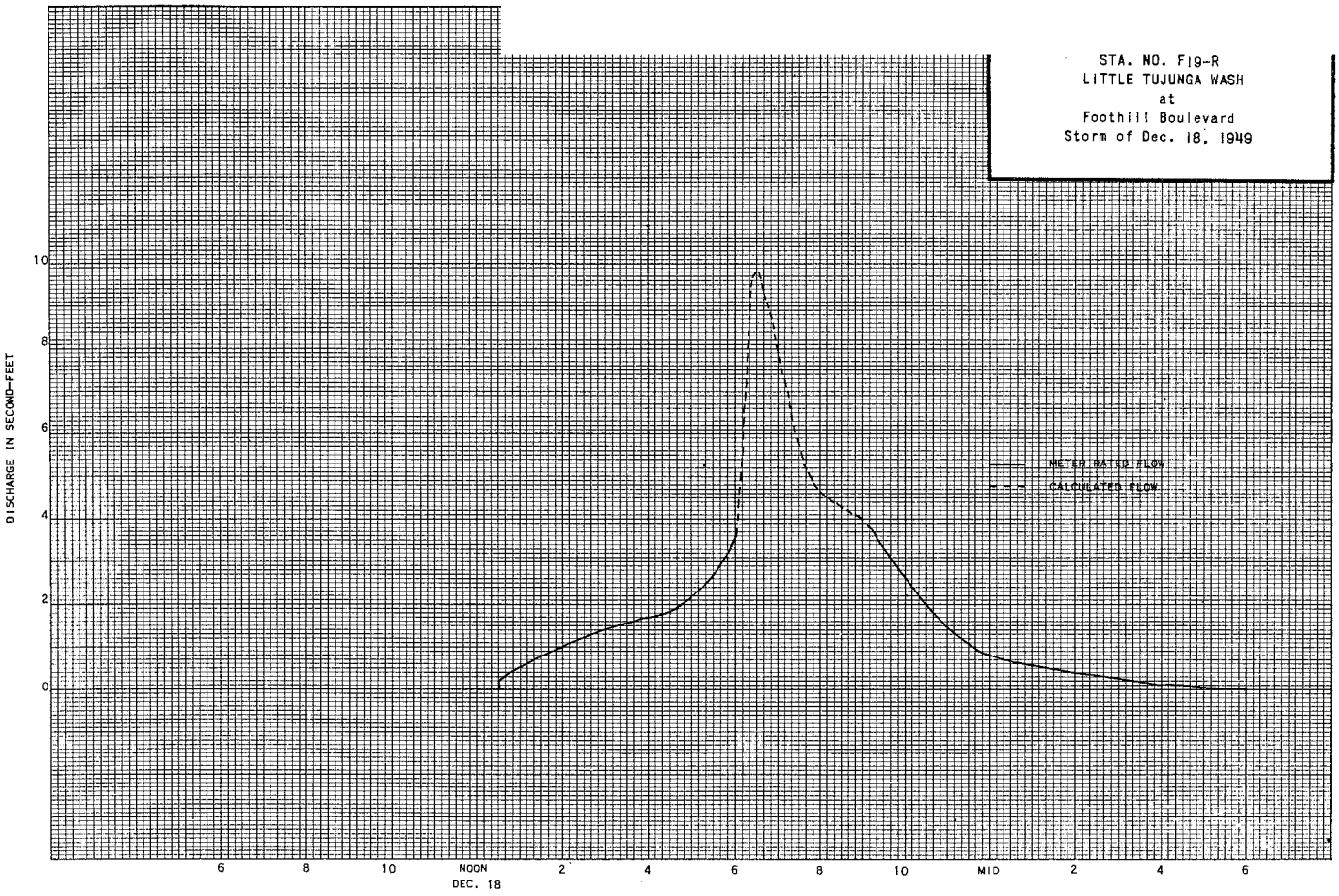
Daily discharge, in second-feet of LITTLE TUJUNGA WASH at Foothill Boulevard for the year ending September 30, 1951

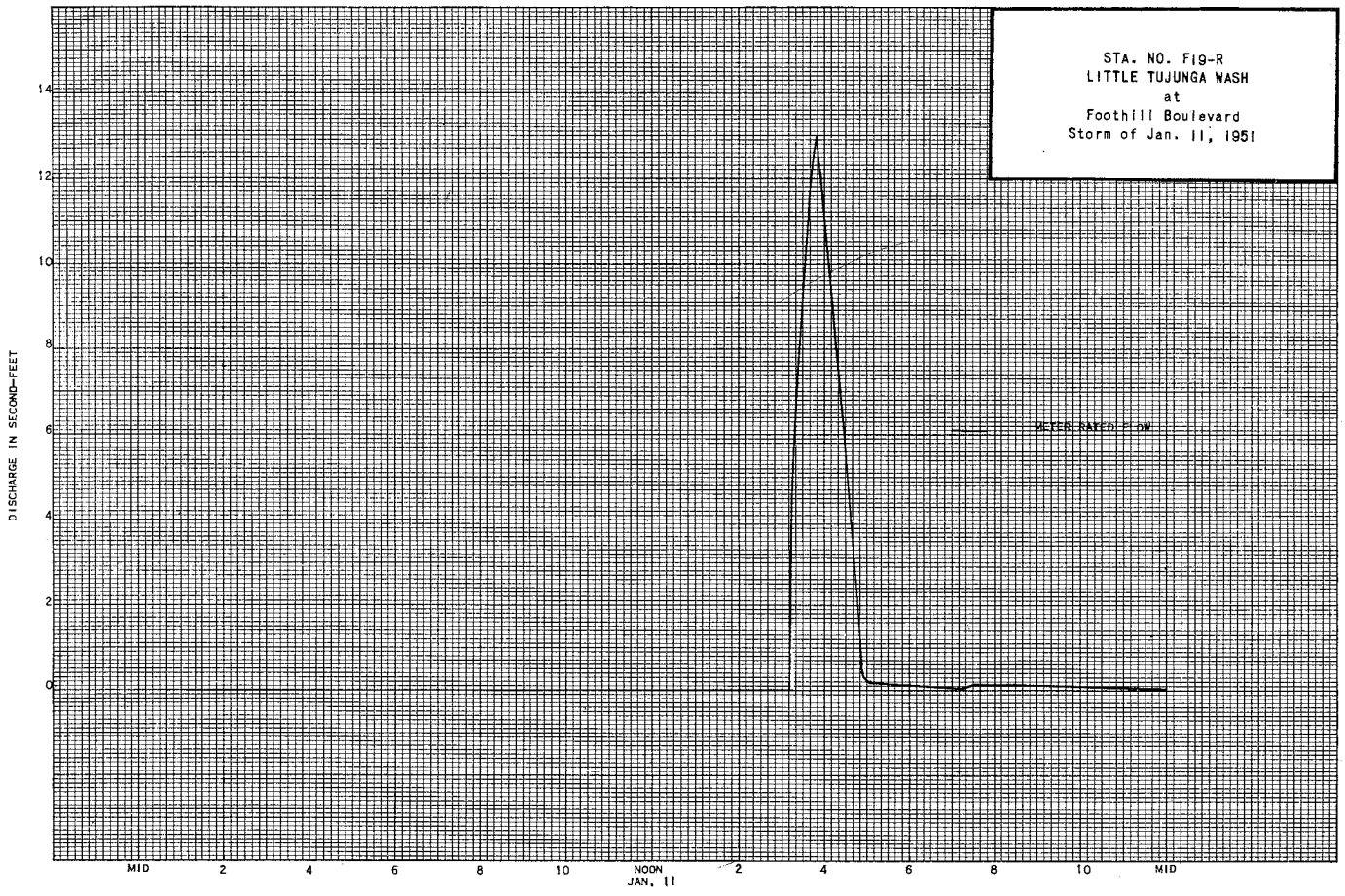
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0.1	0	0				0
2	0	0	0	0	0	0	0	0				0
3	0	0	0	0	0	0	0	0				0
4	0	0	0	0	0	0	0	0				0
5	0	0	0	0	0	0	0	0				0
6	0	0	0	0	0	0	0	0				0
7	0	0	0	0	0	0	0	0				0
8	0	0	0	0	0	0	0	0				0
9	0	0	0	0	0	0	0	0				0
10	0	0	0	0	0	0	0	0				0
11	0	0	0	0.8	0	0	0	0				0
12	0	0	0	+	0	0	0	0				0
13	0	0	0	0	0	0	0	0				0
14	0	0	0	0	0	0	0	0				0
15	0	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				0
18	0	0	0	+	0	0	0	0				0
19	0	0	0	0.5	0	0	0	0				0
20	0	0	0	0	0	0	0	0				0
21	0	0	0	0	0	0	0	0				0
22	0	0	0	0	0	0	0	0				0
23	0	0	0	0	0	0	0	0				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	0	0	0	0	0				0
27	0	0	0	0	0	0	0	0				0
28	0	0	0	0	0	0	0.9	0				0
29	0	0	0	1.4		0	0.8	0			0	0
30	0	0	0	+		0	+	0			0	0
31	0		0	0		0					0	
	0	0	0	2.7	0	0.1	1.7	0			0	0
MEAN	0	0	0	.087	0	.003	.057	0	0	0	0	0
ACRE-FEET	0	0	0	5.4	0	0.2	3.4	0	0	0	0	0

Remarks: + = 0.05 c.f.s. or less

Stopped for summer
Started recorder

YEAR OR PERIOD MEAN 0.012
ACRE-FEET 9.0


STA. NO. F19-R
LITTLE TUJUNGA WASH
at
Foothill Boulevard
Storm of Dec. 18, 1949
METER RATED FLOW
CALCULATED FLOW
DISCHARGE IN SECOND-FEET
0
2
4
6
8
10
6
8
10
NOON
DEC. 18
2
4
6
8
10
MID
2
4
6


STA. NO. F19-R
LITTLE TUJUNGA WASH
at
Foothill Boulevard
Storm of Jan. 11, 1951
METER RATED FLOW
DISCHARGE IN SECOND-FEET
0
2
4
6
8
10
12
14
MID
2
4
6
8
10
NOON
JAN. 11
2
4
6
8
10
MID

STATION F31-R

LIVE OAK CREEK near Mouth of Canyon

LOCATION: WATER-STAGE RECORDER, LAT. 34°07'34", LONG. 117°44'40", ON THE RIGHT (WEST) BANK OF STREAM NEAR MOUTH OF CANYON ABOUT 0.5 MILE BELOW LIVE OAK DAM, AND ABOUT 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 WITH 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, 1949 TO SEPTEMBER 30, 1951.

REGULATION: FLOW REGULATED BY LIVE OAK DAM.

DIVERSIONS: NONE.

RECORDS AVAILABLE: JANUARY 4, 1928 TO SEPTEMBER 30, 1951.

EXTREMES OF DISCHARGE:

1949-50
NO FLOW FOR THE ENTIRE YEAR.

1950-51
NO FLOW FOR THE ENTIRE YEAR.

1928-51
MAXIMUM 257 SECOND-FEET, MARCH 2, 1938.
MINIMUM NO FLOW MOST OF EACH YEAR.

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

STATION F58-R

LOS ANGELES RIVER below Sepulveda Boulevard

LOCATION: WATER-STAGE RECORDER, LAT. 34°09'42", LONG. 118°27' 45", ON THE LEFT (NORTH) BANK ABOUT 700 FEET BELOW SEPULVEDA BOULEVARD AND ABOUT 0.5 MILE BELOW SEPULVEDA DAM. ELEVATION OF ZERO GAGE HEIGHT, 654.31 FEET.

DRAINAGE: 157 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - NATURAL ADOBE OVERGROWN WITH GRASS, REEDS AND TREES DURING SUMMER MONTHS. CONTROL - CONCRETE SLAB AT GAGE.

DISCHARGE MEASUREMENTS: AT STATION F58-R - LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM CABLE CAR 7 FEET ABOVE GAGE.

RECORDER: INSTALLED DECEMBER 19, 1928 AT STATION F5-R. REMOVED MARCH 2, 1938. REINSTALLED APRIL 28, 1938. MOVED TO STATION F58-R ON AUGUST 23, 1941 AND INSTALLED OVER A 24-INCH DIAMETER, CORRUGATED IRON PIPE STILLING WELL. COMMUNICATION TO WELL IS THROUGH 31 FEET OF 36-INCH CORRUGATED IRON PIPE. AN AU CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1949 TO SEPTEMBER 30, 1951.

REGULATION: INFLOW TO SEPULVEDA DAM PARTIALLY REGULATED BY CHATSWORTH RESERVOIR, UPPER AND LOWER SAN FERNANDO RESERVOIRS, TWIN LAKES DAMS, ENCINO RESERVOIR, AND SEVERAL SMALL DAMS IN VARIOUS MOUNTAIN TRIBUTARIES. DISCHARGE LESS THAN 1,000 SECOND-FEET PASSES UNRESTRICTED THROUGH UNGATED OPENINGS OF SEPULVEDA DAM. DISCHARGE ABOVE 1,000 SECOND-FEET REGULATED BY SEPULVEDA DAM.

DIVERSIONS: SEVERAL DIVERSIONS FOR IRRIGATION ON THE MOUNTAIN TRIBUTARIES. SEVERAL WATER SUPPLY RESERVOIRS DIVERT AND/OR RELEASE FLOW. FLOW MAY INCLUDE IRRIGATION WASTE AT VARIOUS TIMES.

RECORDS AVAILABLE:
AT STATION F5-R - DECEMBER 19, 1928 TO MARCH 3, 1938, AND FROM APRIL 28, 1938 TO AUGUST 23, 1941.
AT STATION F58-R - AUGUST 23, 1941 TO SEPTEMBER 30, 1951

EXTREMES OF DISCHARGE:

1949-50
MAXIMUM 413 SECOND-FEET, FEBRUARY 6.
MINIMUM 1.8 SECOND-FEET, SEPTEMBER 28.

1950-51
MAXIMUM 280 SECOND-FEET, JANUARY 29.
MINIMUM 0.6 SECOND-FOOT, SEPTEMBER 26.

1929-51
MAXIMUM 12,000 SECOND-FEET, ESTIMATED MARCH 2, 1938.
MINIMUM FLOW NEGLIGIBLE AT VARIOUS TIMES.

ACCURACY: RECORDS 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 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 below Sepulveda Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 19 50

NO.	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.
606	10-6	0955 / 1003	BLAKELY	9.5	4.68	0.85	0.92	4.0		.5 / .6	9	0	FC35
607	10-13	1040 / 1048	"	9.5	5.61	0.84	0.94	4.7		.5 / .6	7	0	"
608	10-20	0848 / 0906	REINHARD - BLAKELY	9.5	5.47	0.71	0.93	3.9		.5 / .6	9	0	"
609	10-27	1017 / 1025	BLAKELY	9.7	5.54	0.69	0.90	3.8		.6	9	0	
610	11-3	1004 / 1010	"	9.7	5.84	0.72	0.93	4.2		.5 / .6	6	0	"
611	11-10	1520 / 1526	"	9.9	9.85	0.91	1.06	9.0		.6	7	0	"
612	11-17	1004 / 1012	"	9.7	5.38	0.73	0.91	3.9		.6	7	0	"
613	11-23	1245 / 1300	BLAKELY - LINDSAY	9.6	5.53	0.69	0.90	3.8		.6	7	0	"
614	12-1	1040 / 1048	BLAKELY	9.5	5.33	0.71	0.90	3.8		.6	9	0	"
615	12-8	0552 / 0557	BLAKELY - SPENCER	10.0	12.1	0.95	1.18	12.2		.6	7	-.02	"
616	12-15	1123 / 1131	BLAKELY	10.0	8.24	0.50	0.96	4.1		.6	10	0	"
617	12-18	1325 / 1340	BLAKELY - SPENCER	30.5	76.0	1.76	3.81	134.		.6	8	+.08	"
618	12-19	1338 / 1348	BLAKELY	23.0	34.5	2.04	2.24	70.3		.6	7	+.01	"
619	12-22	1137 / 1207	"	23.0	35.2	1.88	1.99	66.3		.6 / .8	9	0	"
620	12-29	1022 / 1042	"	22.0	33.1	1.80	1.87	59.5		.6 / .8	8	-.02	"
621	1-5	1119 / 1127	"	9.0	9.71	0.58	0.98	5.6		.6	8	0	"
622	1-8	2241 / 2252	"	28.5	76.7	2.13	3.95	163.		.6	7	-.09	"
623	1-8	2323 / 2341	"	29.5	71.7	2.06	3.62	148.		.6	11	-.11	"
624	1-11	1941 / 1958	"	25.0	45.7	1.93	2.54	88.0		.6	11	+.18	"
625	1-11	2025 / 2041	"	26.5	52.3	1.93	2.81	101.		.6	11	+.05	"
626	1-19	1612 / 1620	"	7.0	6.51	0.95	1.01	6.2		.6	8	0	"
627	1-26	1050 / 1058	"	10.5	9.85	0.47	1.01	4.6		.6	8	0	"
628	2-2	1240 / 1252	"	10.0	11.6	0.38	1.00	4.4		.6 / .8	7	0	"
629	2-6	1243 / 1254	BLAKELY - REINHARD	31.0	86.8	2.82	4.01	245.		.6	8	-.08	"
630	2-6	1517 / 1523	REINHARD - BLAKELY	23.0	49.2	2.66	2.93	131.		.6	6	-.05	"
631	2-9	1058 / 1110	BLAKELY	9.0	9.98	0.57	1.02	5.7		.2 / .8	9	0	"
632	2-16	1212 / 1220	"	9.5	11.0	0.51	0.98	5.6		.2 / .8	6	0	"
633	2-23	1142 / 1152	"	9.3	10.2	0.50	0.96	5.1		.2 / .8	6	0	"
634	3-2	1146 / 1154	"	9.4	9.97	0.47	1.00	4.7		.6	9	0	"
635	3-9	1007 / 1015	"	9.0	9.52	0.47	1.00	4.5		.6	8	0	"
636	3-16	1137 / 1145	"	8.5	8.66	0.47	0.96	4.1		.6	8	0	"
637	3-23	1114 / 1122	"	9.2	9.70	0.45	0.98	4.4		.6	8	0	"
638	3-25	0008 / 0016	"	9.5	3.65	2.55	1.14	9.3		.6 / .5	6	0	"
639	3-30	1212 / 1220	"	8.9	9.17	0.45	0.95	4.1		.6	7	0	"
640	4-6	1116 / 1124	"	9.3	9.54	4.72	0.99	4.5		.6	9	0	"
641	4-13	1136 / 1144	"	9.3	9.43	0.48	1.00	4.5		.6	8	0	"
642	4-20	1112 / 1120	"	9.2	8.95	0.51	0.95	4.6		.6	9	0	"
643	4-27	1143 / 1150	BLAKELY - BROWN	9.1	8.78	0.49	0.95	4.3		.6	9	0	"
644	5-4	1103 / 1111	BLAKELY	9.3	8.70	0.43	0.90	3.7		.6	9	0	"
645	5-11	1005 / 1014	BLAKELY - ISOM	8.9	8.29	0.46	0.90	3.8		.6	9	0	"
646	5-18	1247 / 1255	BLAKELY	9.4	9.24	0.53	0.99	4.9		.6	9	0	"
647	5-25	1230 / 1238	"	9.2	8.88	0.47	0.93	4.2		.6	9	0	"
648	6-1	1244 / 1252	"	9.2	8.20	0.35	0.90	2.9		.6	6	0	"
649	6-8	1150 / 1158	"	9.3	8.61	0.43	0.92	3.7		.6	9	0	"
650	6-14	0914 / 0920	TURNER	10.0	7.60	0.50	0.89	3.8		.6	5	0	FC43
651	6-22	0924 / 0930	"	10.0	7.16	0.46	0.80	3.3		.6	5	0	"
652	6-30	1213 / 1221	BLAKELY	9.1	8.94	0.52	0.94	4.6		.6	8	0	FC35
653	7-6	1120 / 1130	"	9.3	8.97	0.50	0.91	4.5		.6	9	0	"
654	7-13	0830 / 0839	TURNER	9.5	6.72	0.48	0.86	3.2		.6	6	0	FC43
655	7-20	0846 / 0855	"	9.5	6.97	0.52	0.90	3.6		.6	6	0	"
656	7-27	1447 / 1456	SPENCER - TURNER	10.5	8.82	0.36	0.97	3.2		.6	8	-.01	FC35
657	8-3	1348 / 1400	LANG - TURNER	12.1	5.45	0.75	0.89	4.1		.6	12	0	FC43
658	8-10	0834 / 0851	LANG	12.5	8.00	0.78	1.06	6.2		.6	12	0	FC12
659	8-17	0849 / 0907	"	12.0	4.04	0.75	0.88	3.0		.6	13	0	"
660	8-24	0912 / 0930	"	11.4	9.94	0.67	1.05	6.7		.6	12	+.01	"
661	8-31	0847 / 0905	"	10.8	6.11	0.55	0.86	3.4		.6	12	0	"
662	9-7	0912 / 0924	"	10.8	6.69	0.60	0.93	4.0		.6	8	0	"
663	9-14	0915 / 0933	"	11.2	9.05	0.70	1.04	6.3		.6	12	0	"
664	9-21	0928 / 0945	"	10.8	6.25	0.54	0.90	3.4		.6	12	0	"
665	9-28	1043 / 1055	LANG - LINDSAY	11.0	5.24	0.52	0.87	2.7		.6	11	0	"

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER

AT OR NEAR Below Sepulveda Boulevard

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEA VELOC FT.PER
657	10-5	0850 / 0912	LANG-THOMAS	11.0	5.60	0.5
658	10-13	0940 / 0952	LANG	10.8	5.53	0.5
659	10-19	0910 / 0926	"	10.6	5.34	0.4
660	10-26	0931 / 0945	"	8.0	4.09	0.3
661	11-2	1027 / 1044	"	10.5	5.89	0.5
662	11-9	0905 / 0923	"	11.2	4.20	0.5
663	11-16	0952 / 1008	"	11.3	4.77	0.6
664	11-22	0935 / 0955	"	11.5	4.88	0.5
665	11-30	1018 / 1033	"	10.6	4.81	0.5
666	12-7	1012 / 1028	"	11.2	4.80	0.5
667	12-14	0924 / 0945	"	15.7	29.8	1.9
668	12-21	0945 / 1021	"	15.9	30.4	1.8
669	12-28	0915 / 0943	"	16.2	32.1	1.8
670	1-4	0907 / 0930	LANG-THOMAS	16.0	30.9	1.9
671	1-11	0852 / 0913	LANG	17.0	27.9	2.1
672	1-18	0913 / 0930	"	11.1	7.80	0.9
673	1-25	0900 / 0919	"	11.0	6.34	0.6
674	2-1	0914 / 0932	"	10.9	6.38	0.7
675	2-8	0850 / 0907	"	11.0	6.01	0.6
676	2-15	0900 / 0914	"	11.0	5.53	0.5
677	2-21	0858 / 0916	"	10.9	5.53	0.5
678	3-1	1135 / 1155	"	13.1	23.1	1.6
679	3-8	0857 / 0914	"	10.2	6.09	0.5
680	3-15	0916 / 0934	"	11.1	5.43	0.5
681	3-22	0918 / 0935	"	11.2	5.85	0.6
682	3-29	0912 / 0932	"	11.2	5.48	0.5
683	4-5	0922 / 0938	"	11.5	6.90	0.7
684	4-12	0921 / 0937	"	11.2	5.61	0.6
685	4-19	0917 / 0933	LANG-MAILHOT	11.2	5.59	0.6
686	4-25	0855 / 0911	LANG	11.5	5.91	0.6
687	5-3	0925 / 0944	"	11.4	5.46	0.6
688	5-9	0858 / 0916	"	11.3	5.36	0.6
689	5-17	0854 / 0914	"	11.2	5.25	0.6
690	5-24	0909 / 0920	"	11.2	4.72	0.5
691	5-31	0906 / 0922	"	11.2	4.82	0.5
692	6-7	0910 / 0935	THOMAS	10.8	4.68	0.5
693	6-14	0905 / 0923	LANG	11.3	4.96	0.5
694	6-21	1105 / 1117	BLAKELY	8.8	10.9	0.3
695	6-28	1230 / 1238	"	10.8	4.53	0.4
696	7-6	1054 / 1102	"	11.5	5.09	0.5
697	7-12	0932 / 0940	"	11.2	4.84	0.4
698	7-18	0924 / 0932	"	11.4	5.68	0.5
699	7-26	0855 / 0920	THOMAS	10.8	9.32	0.8
700	8-2	0947 / 0955	BLAKELY	11.4	5.74	0.5
701	8-9	1115 / 1123	"	11.1	5.04	0.5
702	8-16	1227 / 1235	"	11.3	4.54	0.5
703	8-23	1440 / 1453	THOMAS	10.9	3.88	0.5
704	8-30	1008 / 1016	BLAKELY	11.4	4.92	0.5
705	9-6	1048 / 1056	"	11.8	5.06	0.5
706	9-13	1412 / 1420	"	11.5	4.24	0.4
707	9-20	0755 / 0815	THOMAS	11.5	3.61	0.4
708	9-27	1100 / 1106	BLAKELY	11.8	5.11	0.5

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F53-R

Daily discharge, in second-feet of LOS ANGELES RIVER below Sepulveda Boulevard, for the year ending September 30, 1950

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4.4	4.2	4.5	6.9	4.8	4.8	5.2	4.6	2.8	3.8	3.2	3.6
2	4.2	4.0	3.8	6.3	4.4	4.6	4.4	4.2	4.0	3.6	3.3	4.2
3	4.2	4.6	4.2	5.8	4.2	4.6	3.5	4.0	3.6	3.8	3.8	4.0
4	4.0	4.0	4.2	5.8	4.2	4.4	3.6	3.8	3.2	4.2	3.5	3.8
5	4.4	4.0	4.0	5.6	5.0	4.6	4.0 d	4.4	3.2	4.6	5.0	3.6
6	4.2	4.2	4.2	5.6	141	4.6	4.2 d	4.4	3.6	4.2	6.6	4.0
7	4.2	3.8	4.7	5.8	14	4.8	4.0	4.4	3.6	4.6	5.8	4.0
8	3.6	4.6	28	65	6.9	5.0	11	4.4	3.6	4.6	2.5	5.4
9	4.2	5.0	15	38	5.8	4.6	9.9	4.4	3.8	4.4	2.7	5.6
10	4.4	9.3	6.1	7.4	13	4.8	6.9	4.4	3.6	4.6	5.6	6.1
11	4.0	5.2	5.4	34	11	4.8	4.8	4.2	3.6	3.8	6.1	6.1
12	4.2	4.2	4.8	37	7.4	4.4	4.8	4.6	3.6	3.6	6.3	6.1
13	4.2	3.8	5.2	16	6.1	4.4	4.6	4.6	4.2	3.2	6.3	6.3
14	4.4	4.0	4.8	8.2	5.8	4.2	4.4	4.4	4.0	3.6	6.6	6.9
15	5.4	4.2	4.2	9.6	5.8	4.2	4.4	4.2	4.2	3.5	7.2	6.9
16	5.0	4.0	4.2	6.6	5.6	4.0	4.4	4.4	4.4	3.0	3.5	6.6
17	4.6	4.0	59	6.3	5.4	4.2	4.4	4.6	4.8	2.8	3.3	7.1
18	3.8	4.2	122	6.3	5.0	4.2	4.4	5.2	4.2	3.0	4.2	5.3
19	4.0	6.0	74	5.8	5.2	4.0	4.6	5.0	4.0	3.5	3.6	6.9
20	3.8	7.3	65	5.8	5.0	4.2	4.4	4.8	4.0	3.5	3.2	6.3
21	3.8	3.8	65	5.8	5.2	4.2	4.6	4.6	4.0	3.6	2.8	3.5
22	3.6	3.8	65	5.6	5.2	4.2	4.2	4.6	4.0	3.5	3.6	3.0
23	3.6	3.8	65	5.2	5.2	4.4	4.2	4.2	3.8	3.5	6.3	3.0
24	3.6	4.0	64	5.2	5.6 d 10		4.0	4.0	4.0	3.2	6.1	2.8
25	3.8	3.8	64	5.4	5.4	9.6	4.0	4.0	3.8	3.0	6.6	2.7
26	3.8	3.8	62	5.0	5.2	5.8	4.0	4.0	3.8	3.4	6.9	2.7
27	3.8	3.8	62	4.8	5.0	4.8	4.4	3.5	3.6	3.3	6.9	2.5
28	3.8	4.0	62	6.7	5.6	4.4	4.6	3.6	4.0	2.8	6.6	2.4
29	3.8	3.8	49	9.6		4.2	4.8	3.3	3.8	2.8	7.4	2.4
30	3.8	3.8	16	5.6		4.2	4.4	2.8	4.0	3.3	4.4	2.4
31	3.6		12	5.0		4.8		2.7		3.2	3.6	
	126.2	133.0	1013.3	351.7	308.0	150.0	145.3	130.3	114.8	111.5	153.5	136.2
MEAN	4.07	4.43	32.7	11.3	11.0	4.84	4.84	4.20	3.83	3.60	4.95	4.54
ACRE-FEET	250.	264.	2010.	697.	611.	298.	288.	258.	228.	221.	304.	270.

Remarks:

YEAR OR PERIOD MEAN 7.87
ACRE-FEET 5700.

75D74M F. C. Dist. 52 9-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

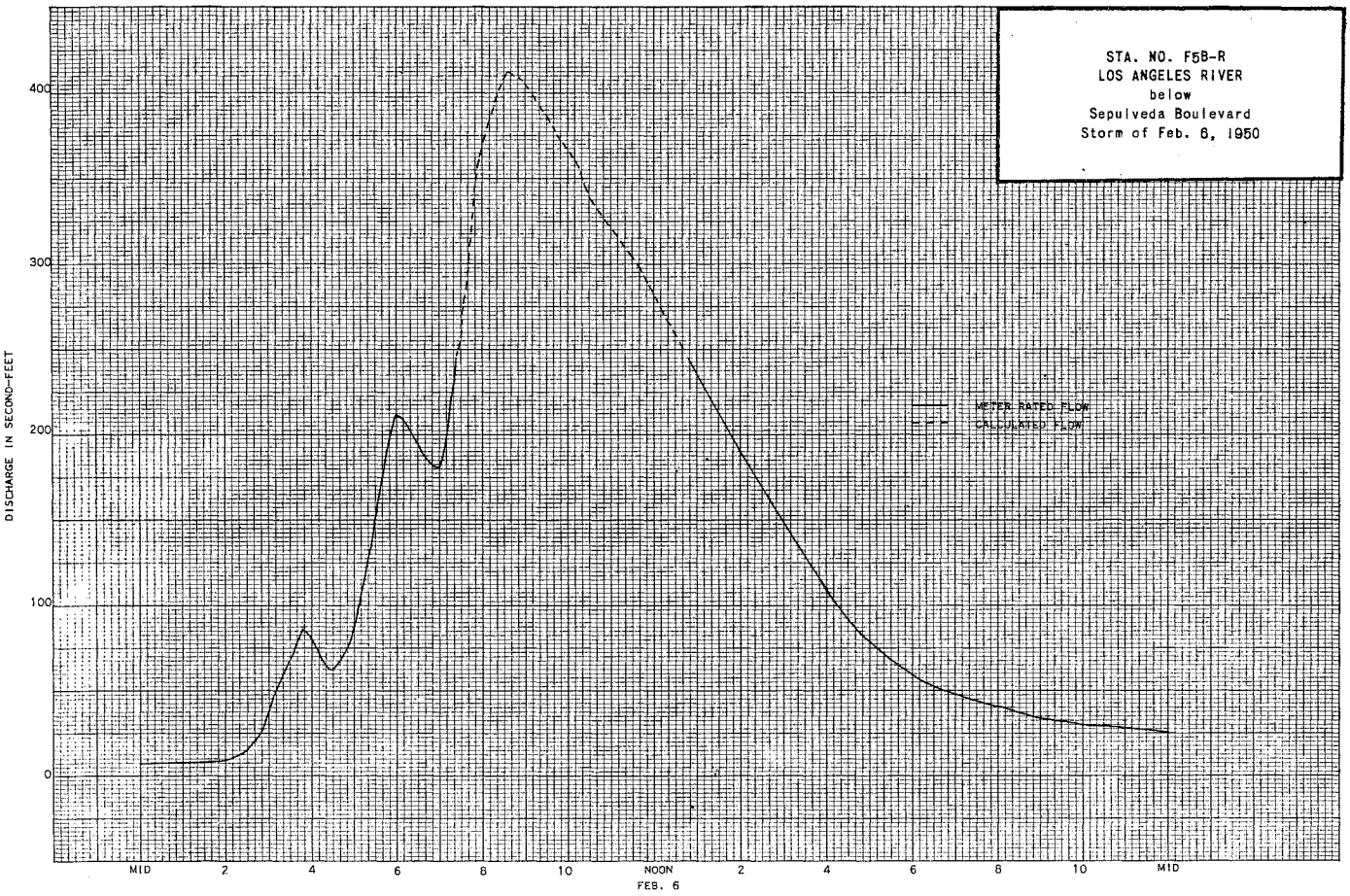
Sta. No. F53-R

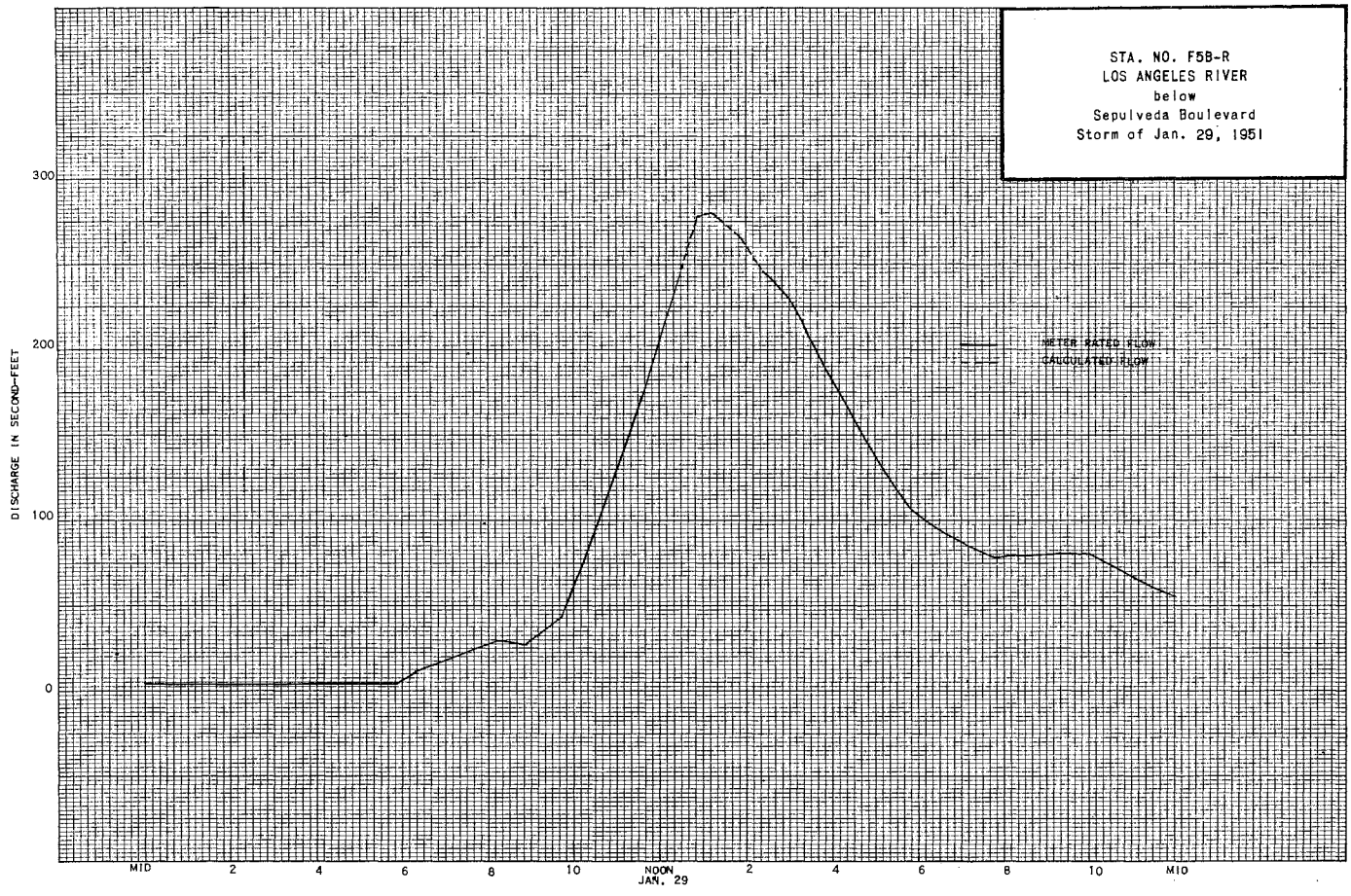
Daily discharge, in second-feet of LOS ANGELES RIVER below Sepulveda Boulevard, for the year ending September 30, 1951

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3.0	2.7	2.4	5.6	4.7	35	2.7	5.1	2.6	2.1	2.3	2.9
2	2.8	3.0	2.4	5.7	4.7	15	2.4	3.3	2.4	1.9	2.4	2.9
3	3.2	2.4	2.4	5.9	4.1	6.1	3.3	3.2	2.6	2.1	2.6	2.6
4	3.3	2.4	2.4	6.1	3.9	3.9	8.8	3.3	2.7	2.1	2.3	2.3
5	3.2	2.7	2.4	6.1	4.1	3.3	4.7	3.4	2.7	2.3	2.1	2.1
6	3.3	2.2	2.4	5.8	3.7	3.2	3.7	3.4	2.6	2.3	2.3	2.1
7	3.2	2.2	2.5	5.6	3.7	3.2	3.9	2.9	2.4	2.1	2.3	2.1
8	3.3	2.4	2.5	5.5	3.4	3.2	3.2	3.2	2.4	1.9	2.1	2.3
9	3.5	2.4	2.2	5.5	3.3	3.2	3.2	3.2	2.1	2.1	2.3	2.4
10	3.2	2.0	5.8	9.1	3.2	3.2	3.4	4.9	2.1	2.3	2.0	2.1
11	3.3	2.0	5.6	8.2	3.0	3.2	3.2	4.3	3.3	2.4	2.0	1.9
12	3.3	2.1	5.6	6.1	3.0	3.0	3.4	3.4	2.4	2.6	1.9	1.7
13	2.8	9.4	5.5	5.0	3.0	3.0	3.0	3.7	2.1	2.1	2.1	1.7
14	2.6	9.5	5.7	5.2	3.0	3.0	3.7	3.7	2.1	2.9	2.6	2.0
15	2.8	4.6	5.7	3.1	3.0	3.0	3.3	3.7	2.1	3.0	2.1	2.1
16	2.8	2.8	5.8	3.0	3.0	3.4	3.3	3.4	2.4	2.7	2.6	1.8
17	3.3	2.5	5.7	1.9	3.0	4.9	3.3	3.4	2.9	3.0	2.7	1.7
18	2.8	3.3	5.8	8.3	3.0	3.7	3.4	3.3	2.4	2.7	2.7	2.4
19	2.7	5.0	5.8	5.4	2.9	3.0	3.7	3.2	4.5	2.7	2.4	1.9
20	3.2	5.8	5.7	2.2	2.9	2.9	3.7	2.9	3.7	2.6	2.3	1.4
21	3.3	4.0	5.5	6.3	3.2	3.0	3.7	2.9	3.3	2.6	2.4	1.3
22	3.0	2.8	5.5	5.5	5.4	3.3	3.7	2.7	3.3	2.3	2.7	1.8
23	2.5	2.7	5.6	5.1	8.1	3.4	3.7	2.6	3.3	2.4	2.3	1.4
24	2.5	2.4	5.6	5.8	5.1	3.0	4.9	2.7	3.0	2.4	2.3	1.2
25	2.0	2.2	5.6	4.3	3.3	2.9	11	2.7	2.9	3.2	2.1	1.0
26	1.5	2.4	5.7	4.1	4.6	3.2	8.3	2.4	2.7	2.6	1.9	1.1
27	4.7	2.1	5.7	4.1	12	2.7	4.7	2.1	2.4	1.9	2.3	2.4
28	4.0	2.4	5.7	4.1	6.1	2.7	7.0	2.3	2.1	2.0	4.3	2.4
29	3.2	2.2	5.6	8.8		2.7	20	2.6	2.1	2.0	4.3	2.4
30	2.7	2.4	5.6	2.2		2.7	4.7	2.4	2.0	2.1	2.4	2.4
31	2.7		5.6	6.3		2.7		2.4		2.3	2.4	
	93.9	97.0	1285.4	1172.9	116.4	144.7	145.0	98.7	79.6	73.7	75.5	59.8
MEAN	3.03	3.23	41.5	37.8	4.16	4.67	4.83	3.18	2.65	2.37	2.43	1.99
ACRE-FEET	186.	192.	2550.	2330.	231.	287.	288.	196.	158.	146.	150.	119.

Remarks:

YEAR OR PERIOD MEAN 9.43
ACRE-FEET 6830.


STA. NO. F58-R
LOS ANGELES RIVER
below
Sepulveda Boulevard
Storm of Feb. 6, 1950
METER RATED FLOW
CALCULATED FLOW
DISCHARGE IN SECOND-FEET
400
300
200
100
0
MID
2
4
6
8
10
NOON
2
4
6
8
10
MID
FEB. 6


STA. NO. F58-R
LOS ANGELES RIVER
below
Sepulveda Boulevard
Storm of Jan. 29, 1951
METER RATED FLOW
CALCULATED FLOW
DISCHARGE IN SECOND-FEET
300
200
100
0
MID
2
4
6
8
10
NOON
2
4
6
8
10
MID
JAN. 29

ST

LOS ANGELES

LOCATION: WATER-STAGE RECORDER LAT. 34°08'51"N, LONG. 118°23'30"W. ON THE LEFT (NORTH) CHANNEL WALL 120 FEET BELOW RADFORD AVENUE BRIDGE. ELEVATION OF ZERO GAGE HEIGHT, 572.44 FEET.

DRAINAGE AREA: 183. 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. HIGH FLOWS MEASURED FROM RADFORD AVENUE BRIDGE. A FOOTBRIDGE IS TO BE CONSTRUCTED AT STATION FOR HIGH FLOW MEASUREMENTS.

RECORDER: A STEVENS TYPE A35-B CONTINUOUS RECORDER INSTALLED OVER A 48-INCH DIAMETER CONCRETE STILLING WELL ON FEBRUARY 21, 1950 AND IN SERVICE TO SEPTEMBER 30, 1951.

REGULATION AND/OR DIVERSIONS: SUBJECT TO SAME REGULATION AS STATION F5B-R AND IN ADDITION, FLOW IS REGULATED BY PACOIMA DAM.

RECORDS AVAILABLE: FEBRUARY 21, 1950 TO SEPTEMBER 30, 1951.

EXTREMES OF DISCHARGE:
1950-51
MAXIMUM NOT DETERMINED.
MINIMUM NOT DETERMINED.

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 50

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION 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	5-18	1100 / 1112	BLAKELY	6.0	4.09	2.00		8.2		.6	8		FC35
2	5-25	1117 / 1125	"	16.0	6.81	0.98		6.7		.6 .5	8		"
3	6-8	1108 / 1116	"	13.0	3.65	1.45		5.3		.5	6		"
4	6-22	1106 / 1115	TURNER	TWO CHANNELS				4.9		.6	7		FC43
5	6-30	1048 / 1054	BLAKELY	11.0	2.99	1.80		5.4		.5	5		FC35
6	7-6	1045 / 1053	"	14.5	4.10	1.17		4.8		.5	7		"
7	7-13	1018 / 1030	TURNER	TWO CHANNELS				4.0		.5	11		FC43
8	7-20	1023 / 1035	"	"	"			4.8		.5	10		"
9	7-27	1233 / 1245	SPENCER	"	"			3.7		.6	10		FC35
10	8-10	1012 / 1030	LANG	"	"			5.0		.6	13		FC12
11	8-17	1000 / 1023	"	"	"			4.1		SURF. .5 .6	15		"
12	8-24	1034 / 1057	"	"	"		0.23	6.5		.5 .6	14	0	"
13	8-31	1123 / 1142	"	"	"		0.21	4.0		.6	14	0	"
14	9-7	0956 / 1016	"	"	"		0.20	3.9		SURF. .6	14	0	"
15	9-14	1029 / 1050	"	"	"			6.4		.6	15		"
16	9-21	1028 / 1049	"	"	"			5.7		.5	15		"
17	9-28	1152 / 1210	"	"	"			3.2		.5	15		"

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER

AT ~~NEAR~~ Radford Avenue DURING THE YEAR ENDING SEPTEMBER 30, 19 51

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION 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	1040 / 1102	THOMAS-LANG	TWO CHANNELS				3.1		.5	14		FC12
19	10-13	1041 / 1100	LANG	"	"			3.2		SURF. .5	15		"
20	10-19	1012 / 1034	"	"	"			2.3		SURF. .5	17		"
21	10-26	1045 / 1105	"	"	"			2.4		SURF. .5	15		"
22	11-2	1128 / 1138	"	"	"			3.3		SURF. .5	15		"
23	11-9	1014 / 1040	"	"	"			3.6		SURF. .5	17		"
24	11-16	1058 / 1120	"	"	"			5.1		.5	16		"
25	11-22	1035 / 1055	"	"	"			4.9		.5	15		"
26	11-30	1133 / 1138	"	"	"			3.7		.5	15		"
27	12-7	1113 / 1135	"	"	"			4.1		.5	15		"
28	12-14	1096 / 1110	"	"	"			54.8		.6	17		"
29	12-21	1112 / 1135	"	24.0	18.0	3.06		55.1		.6	15		"
30	12-28	1024 / 1054	"	TWO CHANNELS				54.0		.6	16		"
31	1-4	1027 / 1100	THOMAS-LANG	"	"		0.60	52.7		.6	17	0	"
32	1-11	0952 / 1023	LANG	"	"			56.9		.6	17		"
33	1-18	1015 / 1034	"	"	"		0.20	11.0		.6	15	0	"
34	1-25	1009 / 1022	"	"	"		0.18	6.6		.5	16	0	"
35	2-1	0955 / 1022	"	"	"		0.19	7.1		.5	15	0	"
36	2-8	0935 / 0953	"	"	"		0.19	6.1		.6	15	0	"
37	2-15	0946 / 1008	"	"	"		0.19	5.0		SURF.	15	0	"
~~38~~	~~2-21~~	0948 / 1008	"	"	"		0.20	5.3		.6	15	0	"
39	3-1	1035 / 1058	"	60.0	28.2	2.76	0.56	78.0		.6	15	+01	"
40	3-8	0956 / 1016	"	TWO CHANNELS			0.19	5.3		.5	14	0	"
41	3-15	1010 / 1030	"	"	"		0.21	5.2		.6	15	0	"
42	3-22	1021 / 1053	LANG	THREE CHANNELS			0.29	4.9		SURF.	18	0	"
43	3-29	1021 / 1040	"	14.5	4.14	0.97	0.38	4.0		.6	13	+01	"
44	4-5	1026 / 1051	"	16.5	6.43	1.21	0.34	7.8		.6	17	0	"
45	4-12	1016 / 1047	"	16.4	6.91	0.90	0.29	6.2		.6	17	+06	"
46	4-19	1016 / 1034	"	16.9	6.53	0.83	0.32	5.4		.6	14	+01	"
47	4-25	0955 / 1016	"	THREE CHANNELS			0.52	11.0		.6	17	+03	"
48	5-3	1033 / 1056	"	TWO CHANNELS			0.22	4.3	FLOATS	.6	18	-01	"
49	5-9	1004 / 1027	"	"	"		0.22	4.7		.5	18	0	"
50	5-17	0948 / 1010	"	"	"		0.18	3.9		.6	16	0	"
51	5-24	1013 / 1037	"	"	"		0.18	4.0		.5	17	0	"
52	5-31	0957 / 1016	"	"	"		0.18	3.8		.6	15	0	"
53	6-7	1650 / 1720	THOMAS	"	"		0.17	3.6		SURF.	16	0	FC42
54	6-14	0955 / 1018	LANG	"	"		0.16	3.5		.6	16	0	FC12
55	6-21	0937 / 0947	BLAKELY	"	"		0.17	3.3		.5	12	0	FC24
56	7-6	0958 / 1006	"	18.5	5.93	0.61	0.18	3.6		.5	10	0	"
57	7-18	1007 / 1015	"	18.0	3.56	0.90	0.18	3.2		.5	9	0	"
58	8-2	1034 / 1042	"	16.0	3.73	0.91	0.18	3.4		.5	8	0	"
59	8-16	1311 / 1317	"	TWO CHANNELS			0.18	2.9		.5	10	0	"
60	8-30	1043 / 1055	"	"	"		0.21	3.3		.5	12	0	"
61	9-20	0910 / 0935	THOMAS	"	"		0.18	2.6		SURF. .5	15	0	FC42

STATION F300-R

LOS ANGELES RIVER at Tujunga Avenue

LOCATION: WATER STAGE RECORDER, LAT. 34°08'28"N., LONG. 118°22'44"W. ON THE LEFT (NORTH) CHANNEL WALL 200 FEET ABOVE TUJUNGA AVENUE BRIDGE. ELEVATION OF ZERO GAGE HEIGHT 549.08 FEET.

DRAINAGE AREA: 408. SQUARE MILES.

CHANNEL AND CONTROL: RECTANGULAR CONCRETE CHANNEL 120 FEET WIDE AND 15 FEET DEEP, WITH A RECTANGULAR INVERT 12 FEET WIDE AND 3.17 FEET DEEP. INVERT HAS A VENTURI CONTROL SECTION 30 FEET BELOW STATION.

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

RECORDER: A STEVENS TYPE A35-B CONTINUOUS RECORDER INSTALLED OVER A 48-INCH DIAMETER CONCRETE STILLING WELL ON MAY 8, 1950 AND IN SERVICE TO SEPTEMBER 1951.

REGULATION AND/OR DIVERSIONS: SUBJECT TO SAME REGULATION AS STATION F58-R AND IN ADDITION FLOW IS REGULATED BY PACOIMA DAM, HANSEN DAM AND BIG TUJUNGA DAM.

RECORDS AVAILABLE: MAY 8, 1950 TO SEPTEMBER 30, 1951.

EXTREMES OF DISCHARGE:
1950-51
MAXIMUM 598 SECOND-FEET ON JANUARY 29.
MINIMUM 2.3 SECOND-FEET 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 CORPS OF ENGINEERS, DEPARTMENT OF THE ARMY.

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER

AT ~~NEAR~~ Tujunga Avenue DURING THE YEAR ENDING SEPTEMBER 30, 19 50

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION 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	2-16	1022 / 1030	BLAKELY	12.0	6.71	1.37		9.2		.5 / .6	7		FC35
2	3-2	1018 / 1028	"	12.0	6.48	1.39		9.0		.6	8		"
3	3-16	1027 / 1035	"	12.0	6.17	1.28		7.9		.5	7		"
4	3-30	1040 / 1048	"	12.0	6.06	1.40		8.5		.5	7		"
5	4-13	1020 / 1030	"	12.0	8.16	1.07		8.7		.6	7		"
6	4-27	1015 / 1022	BLAKELY - BROWN	12.0	6.63	1.19		7.9		.6	7		"
7	5-18	1018 / 1026	BLAKELY	12.0	6.98	1.27		8.9		.6	7		"
8	5-25	1032 / 1040	"	12.0	6.58	1.21		8.0		.6	7		"
9	6-8	1042 / 1050	"	12.0	6.14	1.25		7.7		.6 / .5	7		"
10	6-14	1116 / 1128	TURNER	12.0	5.86	1.21		7.1		.6	7		FC43
11	6-22	1143 / 1155	"	12.0	5.49	1.09		6.0		.6	7		"
12	6-30	1022 / 1028	BLAKELY	12.0	5.59	1.27		7.1		.5	7		FC35
13	7-6	1032 / 1040	"	12.0	5.52	1.20		6.6		.5	7		"
14	7-13	1150 / 1202	TURNER	12.0	5.27	1.14		6.0		.6	7		FC43
15	7-20	1126 / 1135	"	12.0	5.30	1.11		5.9		.6	7		"
16	7-27	1326 / 1335	SPENCER	12.0	5.78	0.93		5.4		.6	7		FC35
17	8-3	1235 / 1242	LANG - TURNER	12.0	5.86	1.06		6.2		.6	7		FC43
18	8-10	1105 / 1121	LANG	12.0	6.62	0.95	0.67	6.3		.6	9	0	FC12
19	8-17	1049 / 1104	"	12.0	6.12	0.88	0.60	5.4		.6	10	0	"
20	8-24	1125 / 1140	"	12.0	7.71	1.22	0.73	9.4		.6	9	0	"
21	8-31	1216 / 1232	"	12.0	5.40	1.07	0.56	5.8		.6	9	0	"
22	9-7	1039 / 1050	"	12.0	5.01	1.10	0.56	5.5		.6	9	0	"
23	9-14	1116 / 1134	"	12.0	7.26	1.20	0.68	8.7		.6	9	0	"
24	9-21	1134 / 1145	"	12.0	6.55	1.02	0.61	6.7		.6	8	0	"
25	9-28	1227 / 1238	"	12.0	5.19	0.93	0.52	4.8		.6	8	0	"

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER

AT ~~NEAR~~ Tujunga Avenue DURING THE YEAR ENDING SEPTEMBER 30, 19 51

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
26	10-5	1120 / 1130	THOMAS-LANG	12.0	4.81	0.96	0.52	4.7		.5	9	0	FC12
27	10-13	1122 / 1132	LANG	12.0	4.73	0.87	0.50	4.1		.5	9	0	"
28	10-19	1055 / 1108	"	12.0	5.12	0.82	0.54	4.2		.5	9	0	"
29	10-26	1140 / 1153	"	12.0	5.74	0.63	0.58	3.6		.5	9	0	"
30	11-2	1203 / 1215	"	12.0	5.72	0.70	0.59	4.0		.5	9	0	"
31	11-9	1051 / 1102	"	12.0	5.71	0.82	0.58	4.7		.5	9	0	"
32	11-16	1146 / 1156	"	12.0	6.35	0.96	0.60	6.1		.5	9	0	"
33	11-22	1117 / 1129	"	12.0	5.03	1.01	0.57	5.1	FLOATS	.5	9	0	"
34	11-30	1220 / 1238	"	12.0	5.19	0.85	0.55	4.4		.5	9	0	"
35	12-7	1206 / 1216	"	12.0	5.65	0.86	0.56	4.9		.5	9	0	"
36	12-14	1140 / 1200	"	12.0	21.0	2.59	1.87	53.4		.6	9	0	"
37	12-21	1209 / 1233	"	12.0	22.4	2.44	1.88	54.6		.6	9	0	"
38	12-28	1122 / 1137	"	12.0	22.4	2.42	1.89	54.2		.6	9	0	"
39	1-4	1128 / 1143	THOMAS-LANG	12.0	22.7	2.38	1.90	54.0		.6	9	+01	"
40	1-10	1631 / 1645	LANG	12.0	38.4	4.90	3.16	188.		.6	7	+01	"
41	1-11	1113 / 1130	"	12.0	21.7	2.62	1.90	56.7		.6	9	+02	"
42	1-18	1107 / 1125	"	12.0	7.98	1.42	0.75	11.3		.6	9	0	"
43	1-25	1110 / 1122	"	12.0	6.67	1.09	0.56	7.3		.6	9	0	"
44	1-29	1345 / 1415	LANG-SPENCER	66.0	61.3	6.84	3.55	419.	SURF.	.6	14	-10	"
45	2-1	1210 / 1222	LANG	12.0	5.30	1.36	0.57	7.2		.6	9	0	"
46	2-8	1030 / 1041	"	12.0	4.95	1.29	0.55	6.4		.6	9	0	"
47	2-15	1112 / 1122	"	12.0	4.09	1.22	0.52	5.0		.6	9	0	"
48	2-21	1035 / 1045	"	12.0	4.20	1.19	0.52	5.0		.6	9	0	"
49	3-1	1250 / 1305	"	12.0	31.9	4.76	2.89	152.		.6	9	+.62	"
50	3-8	1124 / 1137	"	12.0	4.66	1.20	0.48	5.6		.6	9	0	"
51	3-15	1122 / 1139	"	12.0	4.10	1.20	0.45	4.9		.6	11	0	"
52	3-22	1120 / 1141	"	12.0	3.95	1.06	0.45	4.2		.5	15	0	"
53	3-29	1150 / 1210	"	12.0	4.11	1.12	0.46	4.6					
54	4-5	1117 / 1136	"	12.0	6.75	1.17	0.62	7.9					
55	4-12	1115 / 1128	"	12.0	4.45	1.39	0.54	6.2					
56	4-19	1119 / 1140	LANG-MAILHOT	12.0	5.96	1.21	0.63	7.2					
57	4-19	1141 / 1154	"	12.0	6.70	1.28	0.73	8.6					
58	4-25	1113 / 1130	LANG	12.0	22.9	1.81	2.04	41.5					
59	5-3	1140 / 1150	"	12.0	4.69	0.98	0.44	4.6					
60	5-9	1103 / 1122	"	12.0	5.10	1.00	0.45	5.1					
61	5-17	1044 / 1058	"	12.0	3.92	1.15	0.42	4.5					
62	5-24	1132 / 1145	"	12.0	3.84	1.09	0.42	4.2					
63	5-31	1055 / 1113	"	12.0	3.58	1.09	0.40	3.9					
64	6-7	1605 / 1625	THOMAS	12.0	4.33	1.29	0.47	5.6					
65	6-14	1051 / 1105	LANG	12.0	3.66	1.07	0.39	3.9					
66	6-21	0952 / 0950	BLAKELY	12.0	3.53	1.07	0.38	3.8					
67	6-28	1046 / 1052	"	12.0	3.42	1.05	0.36	3.6					
68	7-6	0923 / 0931	"	12.0	3.40	1.09	0.36	3.8					
69	7-12	1022 / 1030	"	12.0	3.39	1.15	0.37	3.9					
70	7-18	1054 / 1102	"	12.0	6.23	0.76	0.38	4.7					
71	7-26	1137 / 1151	THOMAS	12.0	3.56	1.01	0.38	3.6					
72	8-2	1110 / 1118	BLAKELY	12.0	3.93	1.22	0.40	4.8					
73	8-9	0950 / 0958	"	12.0	3.46	1.10	0.36	3.8					
74	8-16	1342 / 1350	"	12.0	3.42	0.99	0.36	3.4					
75	8-23	1250 / 1305	THOMAS	12.0	3.35	1.01	0.37	3.4					
76	8-30	1113 / 1121	BLAKELY	12.0	4.05	1.16	0.40	4.7					
77	9-6	1154 / 1202	"	12.0	3.27	1.01	0.40	3.3					
78	9-13	1340 / 1348	"	12.0	2.86	0.94	0.33	2.7					
79	9-20	1018 / 1031	THOMAS	12.0	2.93	0.89	0.32	2.6					
80	9-27	1135 / 1143	BLAKELY	12.0	3.67	1.06	0.38	3.9					

7-51-M F. C. Dist. 32 9-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

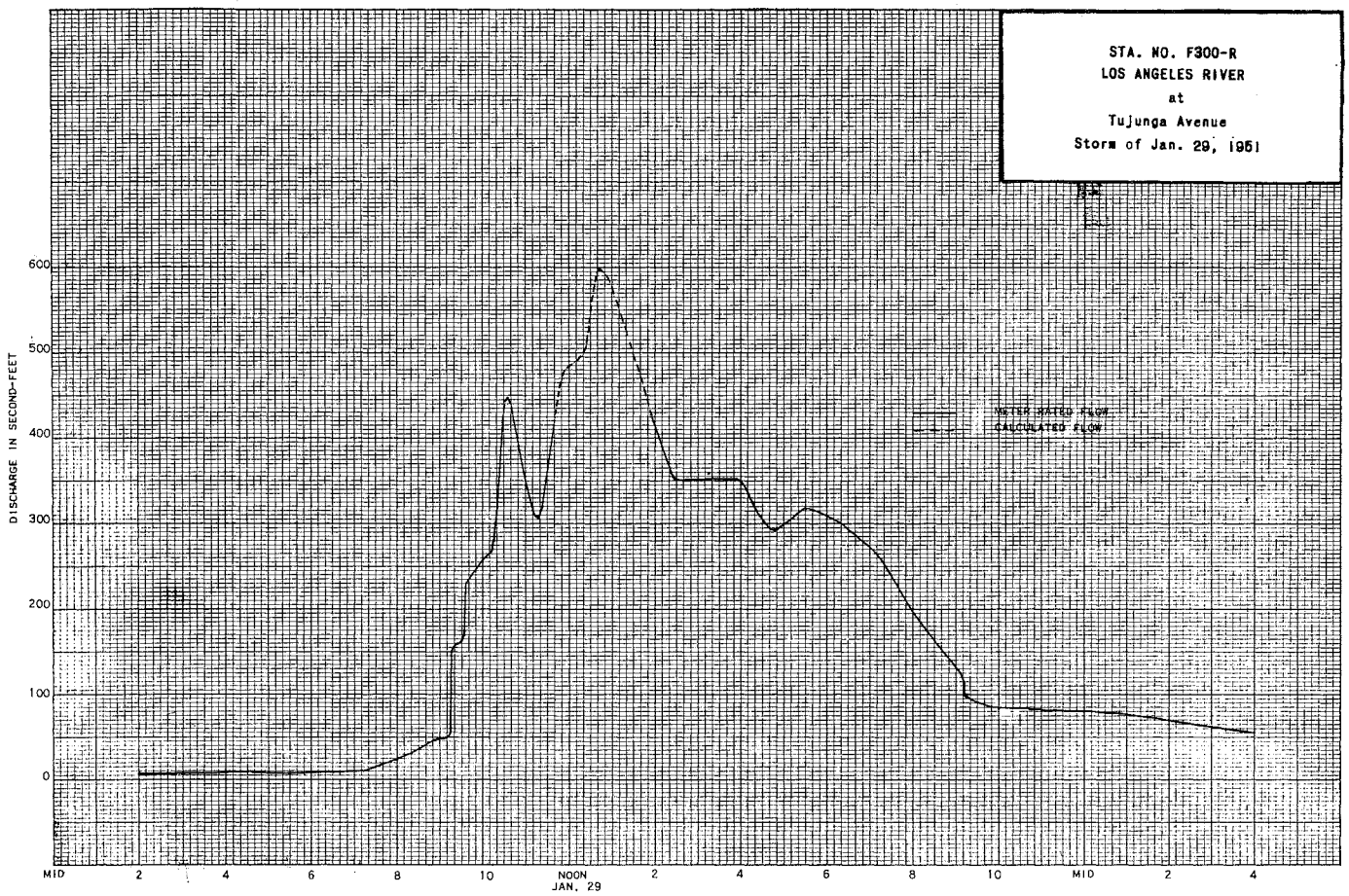
Sta. No. F300-R

Daily discharge, in second-feet of LOS ANGELES RIVER at Tujunga Avenue for the year ending September 30, 19 51

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4.4	4.1	4.6	5.5	7.2	8.6	4.9	7.6	4.0	3.4	3.7	5.3
2	4.6	4.3	4.6	5.4	6.9	17.9	5.1	5.4	3.7	3.8	4.3	5.3
3	4.8	4.3	4.8	5.5	6.9	7.8	12.3	4.8	3.7	4.6	4.8	5.5
4	4.9	4.1	4.9	6.6	6.7	5.9	2.7	4.8	3.7	4.0	4.8	4.0
5	4.9	4.4	4.9	5.8	6.5	5.6	7.2	4.6	4.1	4.0	4.1	3.7
6	4.9	4.6	5.1	5.4	6.7	6.3	6.3	4.8	4.9	3.7	4.3	3.5
7	4.8	4.6	4.9	5.4	6.7	5.9	6.5	4.6	4.4	3.7	3.7	3.0
8	4.6	5.1	5.1	5.5	6.7	5.8	6.1	4.9	4.6	3.7	4.1	2.8
9	4.4	4.8	7.4	5.4	6.5	5.8	6.3	5.4	4.3	3.7	4.1	2.8
10	4.3	4.8	5.2	13.2	6.3	5.8	5.6	6.3	4.4	4.3	3.7	2.6
11	4.3	4.6	5.4	17.7	5.9	5.6	4.6	6.9	5.1	4.4	3.5	2.6
12	4.3	4.6	5.9	7.4	6.3	5.4	6.1	5.9	4.1	4.0	3.5	2.8
13	4.1	3.8	5.3	5.6	5.4	5.4	6.5	5.5	3.7	4.0	3.0	2.8
14	4.0	2.2	5.3	5.6	5.1	5.4	5.8	7.1	3.8	4.3	3.5	3.2
15	4.0	3.8	5.3	3.6	4.9	5.3	5.6	4.3	4.1	4.4	3.4	3.5
16	4.1	6.1	5.3	5.2	4.8	5.6	5.8	4.4	4.1	4.0	3.2	3.0
17	4.4	5.6	5.3	2.1	4.8	6.9	6.1	4.8	4.4	4.4	3.8	3.0
18	4.4	8.0	5.3	13.1	4.9	5.8	6.1	4.6	4.4	4.3	4.0	3.7
19	4.4	7.5	5.3	5.3	4.9	4.4	5.9	4.6	5.1	4.6	3.7	3.8
20	4.4	7.0	5.3	3.1	4.9	4.6	6.1	4.4	4.6	4.0	3.4	2.9
21	4.6	5.9	5.4	10.3	5.3	4.4	6.1	4.3	4.0	4.0	3.8	2.8
22	4.4	5.3	5.4	8.4	9.4	4.8	6.3	4.1	4.0	3.7	3.8	2.9
23	4.3	4.9	5.4	7.8	12.1	5.3	5.3	4.3	4.3	3.8	3.5	2.9
24	4.3	4.8	5.4	3.2	9.1	4.4	5.3	4.3	4.0	4.0	3.2	2.9
25	4.1	4.6	5.4	7.6	5.4	4.3	5.4	4.3	3.8	4.8	3.0	3.0
26	4.0	4.6	5.4	7.2	5.0	5.4	17.0	4.0	4.1	3.7	3.4	3.2
27	7.2	4.6	5.4	6.9	10.3	4.8	9.0	3.8	3.8	3.4	3.2	3.8
28	4.8	4.6	5.5	7.2	10.0	4.8	5.8	4.0	3.7	3.5	6.3	3.7
29	4.3	4.6	5.7	13.1		5.3	2.8	4.0	3.7	3.7	7.4	3.7
30	4.1	4.4	5.5	3.1		4.9	10.8	3.8	3.4	3.7	5.3	3.8
31	4.3		5.5	9.9		4.8		4.3		3.4	4.9	
	139.4	209.6	1234.3	1491.6	185.6	260.4	345.7	151.1	124.0	123.0	124.4	102.5
MEAN	4.50	6.99	39.8	48.1	6.63	8.40	11.5	4.87	4.11	3.97	4.01	3.42
ACRE-FEET	276.	416.	2450.	2960.	368.	516.	686.	300.	246.	244.	247.	203.

Remarks:

YEAR OR PERIOD MEAN 12.3
ACRE-FEET 8900.



STATION F28B-R

LOS ANGELES RIVER at Mariposa Street

LOCATION: WATER-STAGE RECORDER, LAT. 34°09'17", LONG. 118°18'40", ON THE LEFT (NORTH) CHANNEL WALL ABOUT 60 FEET EAST FROM THE CENTER LINE OF MARIPOSA STREET EXTENDED, AND ABOUT 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 82 FEET ON THE BOTTOM BY 1.25 FEET DEEP. CHANNEL FORMS CONTROL CHANNEL BOTTOM USUALLY COVERED BY MUD, MOSS, AND GRASS DURING SUMMER MONTHS.

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, 1949 TO SEPTEMBER 30, 1951.

REGULATION AND/OR DIVERSIONS: SUBJECT TO SAME REGULATION AS STATION F58-R AND IN ADDITION FLOW IS REGULATED BY PACOIMA DAM, HANSEN DAM AND BIG TUJUNGA DAM NO. 1.

DIVERSIONS: SEVERAL IRRIGATION DIVERSIONS IN THE MOUNTAIN TRIBUTARIES, OTHER FLOW IS DIVERTED AT THE SEVERAL WATER SUPPLY RESERVOIRS, AND THE LOS ANGELES WATER DEPARTMENT DIVERTS FLOW FOR SPREADING ABOVE THE STATION.

RECORDS AVAILABLE: FROM DECEMBER 20, 1938 TO SEPTEMBER 30, 1951.

EXTREMES OF DISCHARGE:

1949-50
MAXIMUM 874, SECOND-FEET, JANUARY 8.
MINIMUM 0.3 SECOND-FOOT SEVERAL DAYS IN AUGUST.

1950-51
MAXIMUM 1300, SECOND-FEET, JANUARY 29.
MINIMUM 0.3 SECOND-FOOT AT VARIOUS TIMES.

1938-51
MAXIMUM 9,040 SECOND-FEET, FEBRUARY 22, 1944.
MINIMUM 0.3 VARIOUS TIMES 1950-51.

ACCURACY: FAIR. (CHANNEL SUBJECT TO GROWTH OF MOSS AND WEEDS).

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 NEAR Mariposa Street DURING THE YEAR ENDING SEPTEMBER 30, 19 50

NO.	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.
606	10-6	1138 / 1148	BLAKELY	COMPOSITE MEAS.			0.12	3.7		.6		0	FC35
607	10-20	1204 / 1214	"	"	"		0.10	1.7		.6		0	"
608	11-3	1210 / 1218	"	"	"		0.09	2.0		.6		0	"
609	11-10	1405 / 1415	"	TWO CHANNELS			0.29	36.6		.5	11	+.01	"
610	11-12	1150 / 1200	"	"	"		0.21	13.7		.5	12	0	"
611	11-17	1112 / 1126	"	"	"		0.20	11.0		.5	15	0	"
612	12-1	1220 / 1230	"	COMPOSITE MEAS.			0.12	1.9		.6		0	"
613	12-8	0244 / 0254	BLAKELY - SPENCER	91.0	32.0	2.37	0.49	75.8		.5	11	-.01	"
614	12-18	1100 / 1110	BLAKELY	104.0	71.0	3.63	0.84	258.		.6	12	+.04	"
615	12-18	1513 / 1531	BLAKELY - SPENCER	117.0	109.	5.10	1.19	556.		.6	13	-.04	"
616	12-19	1150 / 1202	BLAKELY	101.0	52.4	3.38	0.67	177.		.6	11	-.02	"
617	12-20	1525 / 1539	"	90.0	28.3	1.80	0.42	50.9		.5	12	0	"
618	12-29	1206 / 1216	"	90.0	23.0	1.27	0.28	29.2		.5	11	0	"
619	1-5	1358 / 1406	"	COMPOSITE MEAS.			0.13	1.7		.5 .6	7	0	"
620	1-9	1040 / 1052	"	89.0	25.5	1.91	0.29	48.8		.5	12	0	"
621	1-11	2205 / 2215	"	100.0	38.4	2.84	0.40	109.		.5	9	0	"
622	2-6	1118 / 1127	BLAKELY - REINHARD	114.0	113.	5.26	1.13	595.		.6	11	-.02	"
623	2-6	1400 / 1418	REINHARD - BLAKELY	113.0	87.6	3.82	0.80	335.		.6	12	-.02	"
624	3-23	1222 / 1230	BLAKELY	COMPOSITE MEAS.			0.18	1.1		.6	7	0	"
625	3-25	1234 / 1244	"	88.0	23.4	1.12	0.32	26.1		.5	10	0	"
626	4-20	1231 / 1239	"	COMPOSITE MEAS.			0.25	6.5		.6	10	0	"
627	5-18	1525 / 1533	"	"	"		0.20	1.2		.5	7	0	"
628	6-14	1245	TURNER	"	"		0.13	0.34				0	FC43
629	8-17	1210 / 1222	LANG	"	"		0.10	0.70		.6	6	0	FC12
630	8-31	1315 / 1330	"	"	"		0.10	0.85		.6	6	0	"
631	9-14	1300 / 1312	"	"	"		0.10	0.88		.6	7	0	"

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER

AT NEAR Mariposa Street DURING THE YEAR ENDING SEPTEMBER 30, 19 51

NO.	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.
632	10-5	1305 / 1325	THOMAS-LANG	COMPOSITE MEASUREMENTS			0.10	1.3		.5	9	0	FC12
633	10-13	1230 / 1241	LANG	"		"	0.10	1.6		.6	8	0	"
634	10-19	1229 / 1248	"	"		"	0.10	1.3		.6	14	0	"
635	11-2	1405 / 1420	"	"		"	0.11	0.92		join	11	0	"
636	11-9	1225 / 1236	"	"		"	0.11	0.86		.5	9	0	"
637	11-16	1250 / 1305	"	"		"	0.14	10.0		.6	14	0	"
638	11-22	1230 / 1243	"	"		"	0.12	0.44		.5	11	0	"
639	11-30	1355 / 1410	"	"		"	0.12	1.6		join	11	0	"
640	12-7	1336 / 1350	"	"		"	0.12	2.3		.5	10	0	"
641	12-14	1306 / 1320	"	"		"	0.13	5.3		.6	9	0	"
642	12-21	1343 / 1357	"	"		"	0.15	9.9		.6	12	0	"
643	12-28	1248 / 1312	"	"		"	0.17	16.6		.6	14	0	"
644	1-4	1252 / 1305	THOMAS-LANG	"		"	0.20	22.2		.6	10	0	"
645	1-11	1212 / 1242	LANG	THREE CHANNELS			0.29	49.8		.5	22	0	"
646	1-18	1252 / 1312	"	COMPOSITE MEASUREMENTS			0.14	16.4		.6	15	0	"
647	1-25	1240 / 1254	"	"		"	0.13	10.8		.6	10	0	"
648	2-1	1330 / 1345	"	"		"	0.14	11.8		.6	12	0	"
649	2-8	1130 / 1146	"	"		"	0.18	13.0		.6	11	0	"
650	2-15	1220 / 1241	"	"		"	0.16	11.5		.6	12	0	"
651	2-21	1144 / 1201	"	"		"	0.15	10.0		.6	13	0	"
652	3-1	1343 / 1410	"	107.	60.8	4.54	0.57	276.		join	15	+09	"
653	3-8	1245 / 1303	"	COMPOSITE MEASUREMENTS			0.13	9.0		.6	12	0	"
654	3-15	1300 / 1321	"	"		"	0.13	6.4		.6	14	0	"
655	3-22	1251 / 1311	"	"		"	0.09	0.62		.6	13	0	"
656	3-29	1314 / 1331	"	"		"	0.09	0.33		.6	13	0	"
657	4-5	1256 / 1316	"	"		"	0.10	2.0		join	15	0	"
658	4-19	1246 / 1300	LANG-MAILHOT	"		"	0.10	0.59		join	12	0	"
659	5-3	1300 / 1316	LANG	"		"	0.13	7.7		.6	13	0	"
660	5-9	1227 / 1242	"	"		"	0.11	1.6		.6	10	0	"
661	5-17	1220 / 1232	"	"		"	0.12	1.4		.6	9	0	"
662	5-24	1300 / 1312	"	"		"	0.12	0.40		join	9	0	"
663	5-31	1238 / 1252	"	"		"	0.12	0.68		.6	9	0	"

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No F28AR

Daily discharge, in second-feet of LOS ANGELES RIVER at Mariposa Street for the year ending September 30, 1950

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	10	1.4	3.3	6.2	0.8	2.4	3.3	2.4	1.4	0.3	0.6	0.8
2	13	1.4	3.3	6.2	0.8	2.4	2.4	2.4	1.4	0.3	0.4	0.8
3	10	1.4	3.3	5.2	0.8	2.4	2.4	2.4	2.4	0.3	0.3	0.8
4	3.3	1.4	3.3	5.2	0.8	2.4	2.4	3.3	1.4	0.3	0.3	0.8
5	3.3	1.4	3.3	4.3	0.8	2.4	2.4	4.3	2.4	0.3	0.3	0.8
6	3.3	1.4	3.3	4.3	293	1.4	1.4	5.2	2.4	0.3	0.3	0.8
7	2.4	1.4	4.2	4.3	36	2.4	1.4	6.2	1.4	0.3	0.3	0.8
8	1.4	1.4	57	158	12	1.4	71	6.2	1.4	0.3	0.3	0.8
9	1.4	21	17	64	0.8	1.4	24	2.4	1.4	0.3	0.3	0.8
10	1.4	70	7.9	26	33	2.4	5.3	1.4	1.4	0.3	0.4	0.8
11	1.4	17	1.4	102	26	1.4	0.5	1.4	0.8	0.3	0.4	0.8
12	1.4	13	1.4	97	7.8	1.4	0.6	1.4	0.8	0.3	0.6	0.8
13	1.4	13	1.4	42	0.8	1.4	1.4	1.4	0.6	0.3	0.6	0.8
14	1.4	12	1.4	26	0.8	2.4	3.3	1.4	0.6	0.3	0.8	0.8
15	1.4	10	2.4	23	0.8	2.4	5.2	1.4	0.6	0.3	0.8	0.8
16	1.4	10	4.4	9.0	0.8	2.4	7.6	1.4	0.6	0.3	0.8	0.8
17	1.4	10	28	1.4	0.8	4.3	9.0	1.4	0.4	0.3	0.8	5.7
18	1.4	7.8	256	1.4	1.4	5.2	10.4	1.4	0.4	0.3	0.8	2.4
19	1.4	5.2	110	0.8	1.4	4.3	10.4	1.4	0.4	0.3	0.8	1.4
20	1.4	5.2	55	0.8	1.4	6.2	6.2	1.4	0.3	0.3	0.8	1.1
21	1.4	5.2	40	0.8	1.4	2.4	4.3	1.4	0.3	0.3	0.6	1.1
22	1.4	6.2	49	0.8	2.4	2.4	4.3	1.4	0.3	0.3	0.6	1.1
23	1.4	5.2	49	1.4	2.4	3.3	3.3	1.4	0.3	0.3	0.6	1.1
24	2.4	4.3	49	1.4	3.3	47	2.4	1.4	0.3	0.3	0.6	1.1
25	1.4	4.3	49	1.4	3.3	56	2.4	1.4	0.3	0.3	0.6	1.1
26	1.4	4.3	46	1.4	3.3	14	1.4	1.4	0.3	0.3	0.6	1.1
27	1.4	4.3	46	1.4	2.4	0.8	1.4	2.4	0.3	0.3	0.8	1.1
28	1.4	4.3	41	12	2.4	1.4	3.3	2.4	0.3	0.4	0.8	1.1
29	2.4	3.3	22	26		1.4	2.4	2.4	0.3	0.4	0.6	1.3
30	1.4	3.3	9.0	9.6		2.4	2.4	2.4	0.3	0.4	0.8	1.3
31	1.4		9.0	0.8		3.3		2.4		0.4	0.8	
	809	250.1	976.3	644.1	441.7	186.8	198.2	70.6	25.5	9.7	18.1	34.8
MEAN	2.61	8.34	31.5	20.8	15.8	6.03	6.61	2.28	0.85	0.31	0.58	1.16
ACRE-FEET	160.	496.	1940.	1280.	876.	371.	393.	140.	51.	19.	36.	69.

Remarks:

YEAR OR PERIOD MEAN 8.05
ACRE-FEET 5830.

TGD14M F. C. Dist. 52 9-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

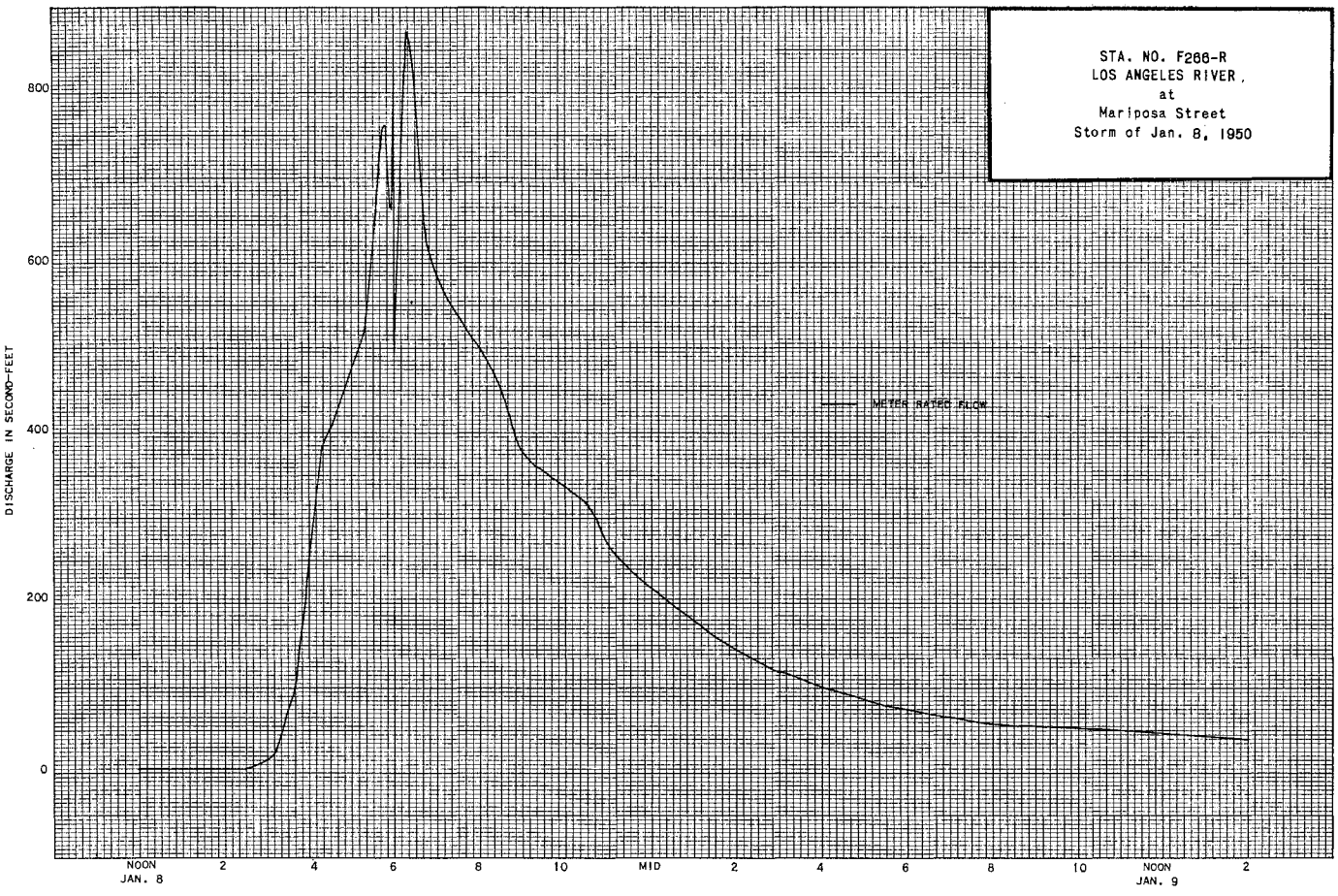
Sta. No. F266-R

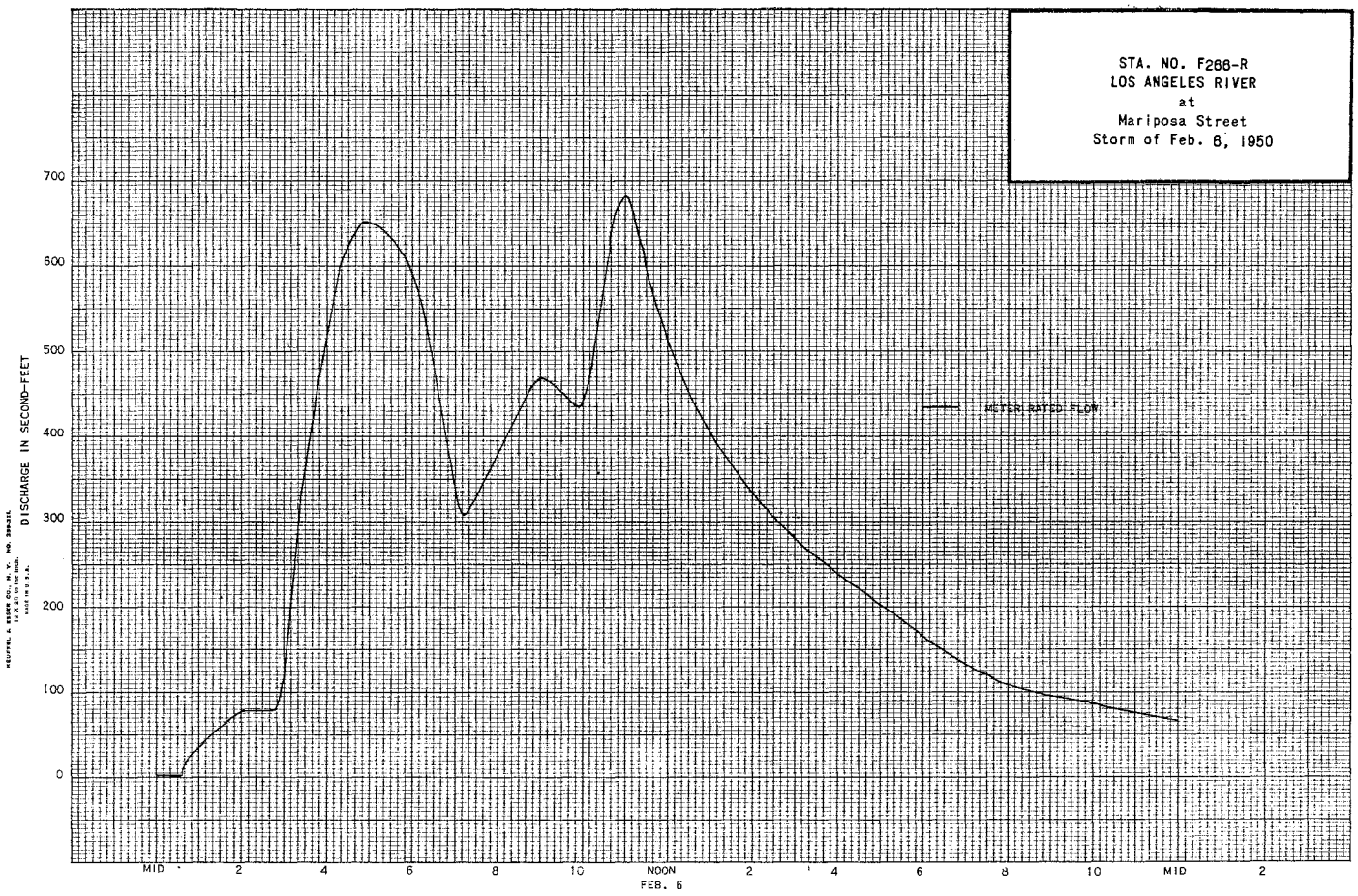
Daily discharge, in second-feet of LOS ANGELES RIVER at Mariposa Street for the year ending September 30, 1951

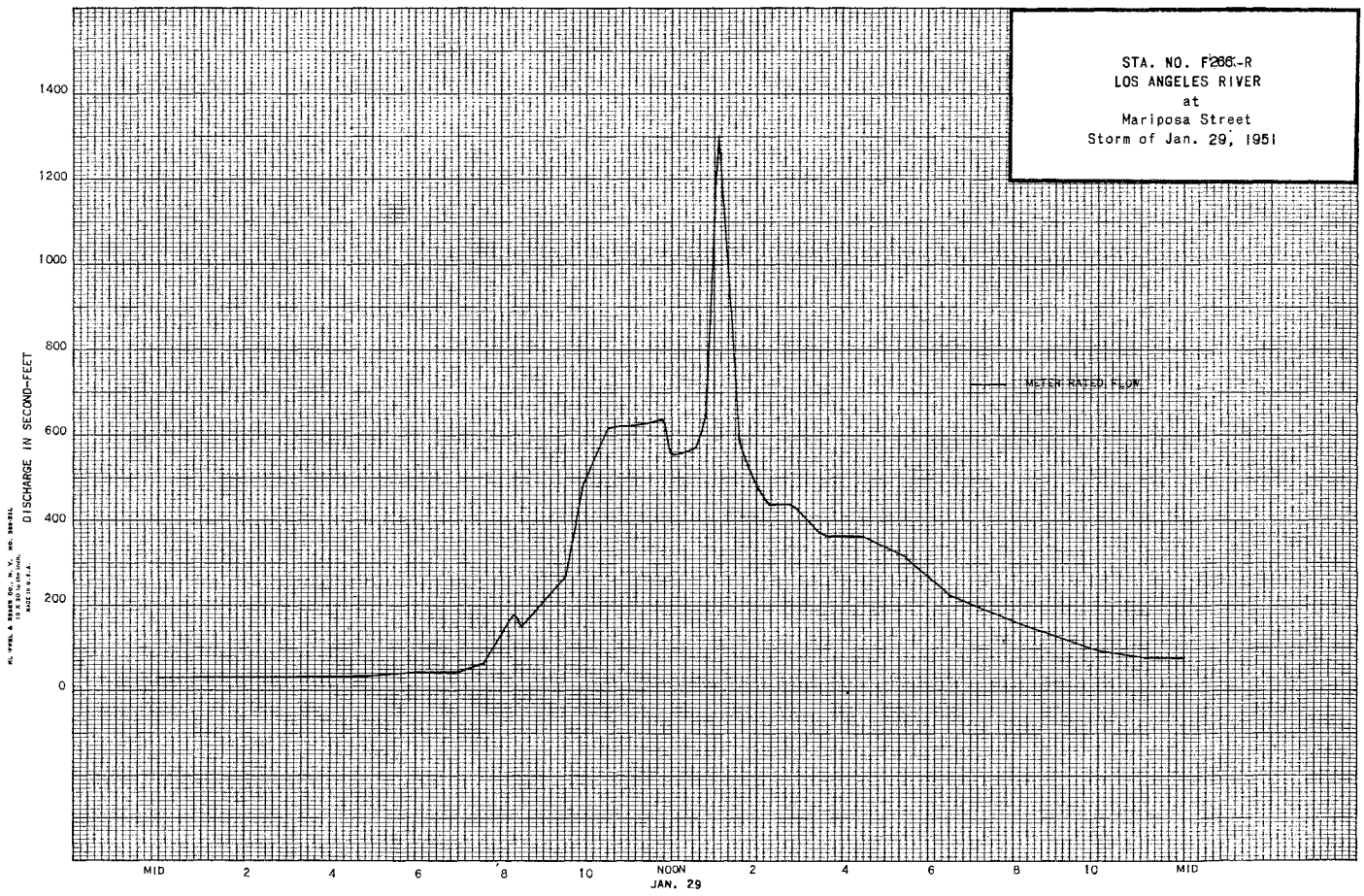
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.3	0.9	1.3	13.8	13.8	109	0.3	8.6	0.7	0.7	0.5	0.9
2	1.3	0.9	1.3	19.0	13.8	23	0.3	8.6	0.7	0.7	0.5	0.9
3	1.3	0.9	1.3	23	13.8	13.8	1.5	5.6	0.5	0.7	0.5	0.9
4	1.3	0.9	2.1	31	13.8	11.2	2.9	2.1	0.5	0.7	0.3	0.7
5	1.3	0.9	2.1	27	13.8	11.2	3.7	2.1	0.7	0.5	0.3	0.7
6	1.3	0.9	2.1	23	13.8	11.2	0.9	2.1	0.7	0.5	0.5	0.7
7	1.3	0.9	2.1	23	13.8	11.2	0.9	2.1	0.7	0.5	0.5	0.7
8	2.1	0.9	2.1	23	13.8	8.6	0.9	1.3	0.7	0.5	0.5	0.7
9	2.1	0.9	2.1	23	16.4	8.6	0.9	1.3	0.7	0.5	0.5	0.7
10	2.1	0.7	26	116	16.4	8.6	0.9	1.3	0.7	1.0	0.3	0.9
11	2.1	0.7	15.9	14.3	16.4	8.6	0.7	1.3	0.7	1.3	0.3	0.9
12	1.3	0.7	5.7	4.4	16.4	6.0	0.7	1.3	0.7	0.7	0.3	0.9
13	1.3	41	3.7	3.4	13.8	6.0	0.7	1.3	0.9	0.7	0.5	0.9
14	1.3	23	3.7	3.4	11.2	6.0	0.7	2.1	0.7	0.9	0.5	0.9
15	1.3	11.2	4.8	27	11.2	6.0	0.7	1.3	0.7	0.7	0.5	0.9
16	1.3	11.2	4.8	58	11.2	6.0	0.7	1.3	0.7	0.7	0.5	0.7
17	1.3	11.2	4.8	23	11.2	4.8	0.7	1.3	0.7	0.7	0.5	0.7
18	1.3	13.8	6.0	16.4	11.2	2.1	0.5	1.1	0.5	0.7	0.5	0.5
19	1.3	13.8	8.6	6.4	11.2	1.3	0.5	1.1	0.5	0.7	0.5	0.5
20	1.3	11.2	8.6	3.4	11.2	0.7	0.5	0.9	0.5	0.7	0.5	0.5
21	1.3	8.0	8.6	13.8	11.2	0.7	0.5	0.9	0.5	0.7	0.5	0.5
22	1.3	5.0	11.2	13.8	24	0.7	0.5	0.7	0.5	0.7	0.5	0.5
23	1.3	0.5	13.8	13.8	36	0.7	0.5	0.7	0.5	0.5	0.7	0.7
24	1.3	0.5	8.6	11.2	16.1	0.7	0.5	0.5	0.5	0.5	0.7	0.7
25	1.3	0.7	11.2	11.2	8.6	0.5	42	0.5	0.5	0.5	0.7	0.9
26	2.1	1.2	11.2	13.8	28	0.5	21	0.5	0.5	0.5	0.7	0.9
27	6.0	1.2	13.8	13.8	27	0.3	11.2	0.5	1.1	0.5	0.7	0.9
28	2.1	1.1	13.8	13.8	13.8	0.3	51	0.7	0.5	0.5	0.9	0.9
29	0.9	1.3	16.4	241		0.3	24	0.7	0.5	0.5	0.9	0.9
30	0.9	1.3	16.4	36		0.3	11.2	0.7	0.7	0.5	0.9	0.9
31	0.9		16.4	13.8		0.3		0.7		0.5	0.9	
	48.6	167.4	250.5	1195.2	432.9	269.2	208.1	55.2	19.0	20.0	16.9	23.0
MEAN	1.57	5.58	8.08	38.6	15.5	8.68	6.94	1.78	0.63	0.65	0.55	0.77
ACRE-FEET	96.	332.	497.	2370.	859.	534.	413.	109.	38.	40.	34.	46.

Remarks:

YEAR OR PERIOD MEAN 7.41
ACRE-FEET 5370.




STA. NO. F286-R
LOS ANGELES RIVER
at
Mariposa Street
Storm of Feb. 8, 1950
METER RATED FLOW
DISCHARGE IN SECOND-FEET
0
100
200
300
400
500
600
700
MID
2
4
6
8
10
NOON
2
4
6
8
10
MID
2
FEB. 6


STA. NO. F286-R
LOS ANGELES RIVER
at
Mariposa Street
Storm of Jan. 29, 1951
METER RATED FLOW
DISCHARGE IN SECOND-FEET
0
200
400
600
800
1000
1200
1400
MID
2
4
6
8
10
NOON
2
4
6
8
10
MID
JAN. 29

STATION F57C-R

LOS ANGELES RIVER above Arroyo Seco

LOCATION: WATER-STAGE RECORDER, LAT. 34°04'55", LONG. 118°13'35", ON THE RIGHT (WEST) CHANNEL WALL 800 FEET ABOVE THE JUNCTION WITH THE ARROYO SECO, THE FORMER STATION F57B-R WAS 450 FEET ABOVE THE JUNCTION WITH THE ARROYO SECO. ELEVATION OF ZERO GAGE HEIGHT, 292.58 FEET.

DRAINAGE AREA: 510 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - RECTANGULAR CONCRETE 177 FEET WIDE AND 29 FEET DEEP WITH A TRAPEZOIDAL INVERT 20 FEET WIDE AT TOP, 16 FEET WIDE AT BOTTOM AND 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 1949 TO SEPTEMBER 30, 1951.

REGULATION AND/OR DIVERSIONS: 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 THE GRIFFITH PARK AREA.

DIVERSIONS: SEVERAL IRRIGATION DIVERSIONS IN THE MOUNTAIN TRIBUTARIES; OTHER FLOW IS DIVERTED AND/OR 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, 1951.

EXTREMES OF DISCHARGE:
1949-50
MAXIMUM 2,840 SECOND-FEET, FEBRUARY 6.
MINIMUM 0.2 SECOND-FOOT, AUGUST 24.
1950-51
MAXIMUM 3,600 SECOND-FEET, JANUARY 11.
MINIMUM 0.2 SECOND-FOOT, SEPTEMBER 20.
1929-51 (STATIONS F57-R, F57B-R AND F57C-R)
MAXIMUM 68,000 SECOND-FEET, ESTIMATED MARCH 2, 1938.
MINIMUM NO FLOW AT TIMES EACH YEAR FROM 1929-1930 TO 1933-1934.

ACCURACY: FAIR.

OPERATION: LOCATED AND CONSTRUCTED BY THE CORPS OF ENGINEERS, DEPARTMENT OF THE ARMY, OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT, AND CORPS OF ENGINEERS, DEPARTMENT OF THE ARMY, WITH THE COOPERATION OF THE UNITED STATES GEOLOGICAL SURVEY, WATER RESOURCES BRANCH.

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER

AT OR NEAR above Arroyo Seco DURING THE YEAR ENDING SEPTEMBER 30, 1950

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATINGS	METHOD	MEAS. SEC. NO.	D. INT. CHANGE TOTAL	METER NO.
977	10-6	1405 1413	BLAKELY	17.1	4.38	1.39	0.27	6.1		.5	10	0	FC35
978	10-13	1246 1256	"	17.0	4.37	1.23	0.27	5.4		.5	10	0	"
979	10-20	1331 1349	"	17.1	4.20	1.09	0.27	4.6		.5	10	0	"
980	10-27	1200 1208	"	17.0	4.12	1.26	0.27	5.2		.5	10	0	"
981	11-3	1415 1423	"	17.1	4.33	1.18	0.27	5.1		.5	10	0	"
982	11-10	0841 0915	"	177.0	201.	6.92	1.81	1390.		.6	13	-.18	"
983	11-17	1450 1500	"	16.8	3.87	1.40	0.24	5.4		.5	10	0	"
984	11-23	1555 1600	BLAKELY - LINDSAY	16.5	1.65	1.10	0.15	1.7	FLOATS		4	0	
985	12-1	1348 1352	BLAKELY	18.0	2.43	0.95	0.17	2.3		.5	7	0	FC35
986	12-8	0409 0416	BLAKELY - SPENCER	177.0	40.0	3.73	1.67	149.		EST. .5 .6	14	-.01	"
987	12-15	1405 1411	BLAKELY	16.4	2.13	1.41	0.14	3.0	FLOATS		6	0	
988	12-18	1700 1732	BLAKELY - SPENCER	177.0	235.	7.40	1.96	1740.		.6	11	+.24	FC35
989	12-20	1120 1130	BLAKELY	18.6	12.0	4.32	0.69	51.8		.6	10	0	"
990	12-29	1356 1404	"	17.7	8.19	2.93	0.49	24.0		.5	10	0	"
991	1-5	1525 1531	"	16.5	2.48	1.57	0.15	3.9	FLOATS		5	0	
992	1-8	1910 2000	"	177.0	260.	7.15	2.09	1860.		.6	14	+.16	FC35
993	1-9	1356 1406	"	16.8	14.8	4.47	0.77	66.2		.6	10	0	"
994	1-11	1558 1638	"	177.0	194.	6.34	1.87	1230.		.6	15	+.30	"
995	1-12	1504 1520	"	TWO CHANNELS			1.22	280.		.5 .8	15	-.02	"
996	1-19	1213 1221	"	16.5	2.95	1.05	0.20	3.1		.5	10	0	"
997	1-26	1313 1319	"	16.5	2.48	1.62	0.15	4.0	FLOATS		6	0	
998	2-2	1436 1448	"	16.6	2.25	1.87	0.16	4.2		"	10	0	
999	2-6	0930 0950	BLAKELY - REINHARD	177.0	152.	7.24	1.48	1100.		.6	14	+.06	FC35
1000	2-7	1118 1126	BLAKELY	19.2	14.2	2.37	0.83	33.7		.6	10	0	"
1001	2-8	1328 1336	"	17.4	6.77	2.35	0.38	15.9		.5	10	0	"
1002	2-16	1446 1454	"	16.5	2.51	1.63	0.16	4.1	FLOATS		7	0	
1003	2-23	1324 1332	"	17.0	6.19	0.58	0.16	3.6		.5	7	0	FC35
1004	3-2	1400 1408	"	16.9	3.34	0.93	0.20	3.1		.5	10	0	"
1005	3-9	1413 1421	"	16.5	2.48	1.13	0.18	2.8	FLOATS		6	0	
1006	3-16	1450 1500	"	16.8	3.20	1.06	0.22	3.4		.5	10	0	FC35
1007	3-23	1510 1520	"	16.9	3.33	1.02	0.21	3.4		.5	10	0	"
1008	3-24	2053 2117	"	177.0	163.	5.36	1.56	872.		.6	14	-.03	"
1009	3-25	1456 1504	"	TWO CHANNELS			0.82	67.8		.6	7	0	"
1010	3-30	1556 1602	"	16.5	2.65	1.68	0.18	4.3	FLOATS		6	0	
1011	4-6	1452 1500	"	16.9	4.05	0.77	0.25	3.1		.5	10	0	FC35
1012	4-10	0933 0943	"	17.3	6.47	2.07	0.37	13.4		.5	10	0	"
1013	4-13	1506 1512	"	16.5	2.31	1.73	0.16	4.0	FLOATS		6	0	
1014	4-20	1450 1500	"	16.9	3.44	0.79	0.26	2.7		.5	10	0	FC35
1015	4-27	1340 1350	BLAKELY - BROWN	16.7	3.22	0.93	0.21	3.0		.5	10	0	"
1016	5-3	1635 1647	BLAKELY	16.7	2.70	1.52	0.20	4.1	FLOATS		10	0	
1017	5-11	1237 1246	BLAKELY - ISOM	16.7	3.06	1.11	0.23	3.4		.5	10	0	FC35
1018	5-16	1300 1310	BLAKELY	16.8	3.21	1.12	0.25	3.6		.5	10	0	"
1019	5-25	1519 1535	"	16.9	3.03	1.25	0.21	3.8	FLOATS		10	0	
1020	6-1	1554 1602	"	16.7	2.96	1.48	0.21	4.4		"	7	0	
1021	6-8	1510 1520	"	16.8	2.65	1.58	0.21	4.2		"	7	0	
1022	6-14	1516 1528	TURNER	16.6	2.60	1.00	0.20	2.6		.5	10	0	FC43
1023	6-22	1606 1615	"	11.0	2.46	0.98	0.18	2.4		.5	7	0	"
1024	6-30	1444 1452	BLAKELY	16.5	2.08	1.49	0.15	3.1	FLOATS		6	0	
1025	7-6	1335 1342	"	16.5	2.24	1.21	0.15	2.7		"	9	0	
1026	7-13	1421 1430	TURNER	TWO CHANNELS			0.15	1.7		.5	8	0	FC43
1027	7-20	1456 1502	"	8.0	1.60	1.06	0.14	1.7		.5	4	0	"
1028	7-27	0928 0937	SPENCER - TURNER	11.2	2.02	0.69	0.16	1.4		.5	7	0	FC35
1029	8-3	0915 0930	LANG - TURNER	10.7	1.68	0.71	0.16	1.2		.5	7	0	FC12
1030	8-10	1342 1357	LANG	9.3	1.42	0.78	0.16	1.1		.5	7	0	"
1031	8-17	1330 1340	"	8.4	1.21	0.74	0.15	0.90		.5	7	0	"
1032	8-24	1359 1409	"	7.3	1.02	0.24	0.17	0.25		SURF.	9	0	"
1033	8-31	1539 1547	"	5.4	0.81	0.83	0.20	0.67		SURF.	7	0	"
1034	9-7	1315 1328	"	5.5	1.15	0.87	0.21	1.0		.5	7	0	"
1035	9-14	1505 1515	"	5.2	1.16	0.72	0.21	0.84		.5	7	0	"
1036	9-21	1429 1433	"	8.7	0.53	0.68	0.07	0.36		SURF.	5	0	"

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER

~~NEAR~~ Above Arroyo Seco DURING THE YEAR ENDING SEPTEMBER 30, 1951

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1037	10-5	1520 / 1528	THOMAS-LANG	10.5	1.33	0.83	0.12	1.1		.5	7	0	FC12
1038	10-13	1433 / 1441	LANG	7.2	1.00	0.78	0.12	0.78	SURF.	6	0		"
1039	10-19	1420 / 1432	"	8.5	1.14	0.96	0.12	1.1	SURF. .5	9	0		"
1040	10-26	1358 / 1407	"	9.6	1.24	0.89	0.11	1.1	SURF.	8	0		"
1041	11-9	1340 / 1348	"	8.3	0.95	0.72	0.10	0.68	.5	8	0		"
1042	11-16	1435 / 1450	"	12.0	0.54	0.89	0.05	0.48	FLOATS	7	0		
1043	11-18	1340 / 1355	"	16.3	2.25	0.89	0.15	2.0	SURF. .5	12	0		FC12
1044	11-19	0840 / 0855	"	19.4	17.5	4.28	0.93	75.0	.6	10	-03		"
1045	11-22	1400 / 1407	"	15.0	1.19	0.92	0.10	1.1	FLOATS	8	0		
1046	11-30	1546 / 1600	"	14.0	1.46	0.59	0.11	0.86	SURF. FLOATS	9	0		FC12
1047	12-7	1502 / 1512	"	16.4	1.44	0.90	0.11	1.3	FLOATS	8	0		
1048	12-14	1445 / 1500	"	16.0	0.76	0.85	0.07	0.65	FLOATS	8	0		
1049	12-21	1513 / 1523	"	16.0	1.49	1.01	0.11	1.5	FLOATS	9	0		
1050	12-28	1501 / 1520	"	16.7	3.05	0.92	0.17	2.8	.5	12	0		FC12
1051	1-4	1420 / 1438	THOMAS-LANG	17.5	5.47	1.84	0.33	10.1	.5	9	0		"
1052	1-10	1235 / 1320	LANG	177.0	85.2	5.00	1.30	426.	.6	18	+04		"
1053	1-10	1345 / 1416	"	177.0	194.	6.19	1.84	1200.	.6	15	-24		"
1054	1-11	1542 / 1640	"	177.0	175.	6.96	1.76	1220.	.6	16	+22		"
1055	1-16	0800 / 0835	"	177.0	74.7	4.68	1.24	350.	.6	13	+04		"
1056	1-18	1426 / 1438	"	17.1	5.36	2.09	0.33	11.2	.5	9	0		"
1057	1-25	1505 / 1525	"	17.0	4.73	1.71	0.28	8.1	.5	12	0		"
1058	1-29	1125 / 1155	SPENCER-LANG	177.0	169.	6.57	1.61	1110.	.6	18	+11		"
1059	2-1	1605 / 1622	LANG	17.2	4.87	1.85	0.31	9.0	.5	12	0		"
1060	2-2	1630 / 1640	"	17.2	5.28	1.76	0.34	9.3	.5	9	0		"
1061	2-3	1105 / 1121	"	17.1	5.07	1.44	0.31	7.3	.5	12	0		"
1062	2-8	1332 / 1346	"	17.0	4.79	1.50	0.29	7.2	.5	12	0		"
1063	2-15	1404 / 1422	"	17.1	5.00	1.44	0.30	7.2	.5	12	0		"
1064	2-21	1316 / 1335	"	17.2	5.46	1.58	0.34	8.6	.5	12	0		"
1065	3-1	1710 / 1745	"	177.0	71.0	3.62	1.18	257.	.5 .6	24	-07		"
1066	3-8	1448 / 1505	"	17.1	5.05	1.84	0.32	9.3	.5	11	0		"
1067	3-15	1435 / 1455	"	17.3	5.80	1.81	0.34	10.5	.5	11	0		"
1068	3-22	1435 / 1450	"	16.8	3.62	1.16	0.26	4.2	.5	11	0		"
1069	3-29	1440 / 1459	"	16.7	3.43	0.99	0.23	3.4	.5	12	0		"
1070	4-5	1450 / 1515	"	17.7	5.43	1.79	0.32	9.7	.5	13	0		"
1071	4-12	1323 / 1339	"	16.7	3.16	1.04	0.20	3.3	.5	12	0		"
1072	4-19	1448 / 1503	LANG-MAILHOT	16.6	2.93	0.82	0.19	2.4	.5	13	0		"
1073	4-25	1355 / 1425	LANG	177.0	45.3	3.82	1.08	173.	.5 .6	19	+05		"
1074	5-3	1500 / 1518	"	17.2	5.15	1.83	0.32	9.4	.5	12	-01		"
1075	5-9	1347 / 1356	"	16.7	2.69	1.26	0.18	3.4	FLOATS	9	0		
1076	5-17	1405 / 1422	"	16.8	3.15	0.79	0.20	2.5	.5	12	0		FC12
1077	5-24	1430 / 1500	"	16.6	2.68	0.82	0.17	2.2	.5	17	-01		"
1078	5-31	1443 / 1510	"	16.6	2.45	0.73	0.16	1.8	.5	16	0		"
1079	6-7	1201 / 1220	THOMAS	16.5	2.18	0.73	0.14	1.6	SURF.	12	0		FC42
1080	6-14	1350 / 1405	LANG	16.6	2.50	1.12	0.16	2.8	FLOATS	9	0		
1081	6-21	1516 / 1526	BLAKELY	17.0	3.57	1.06	0.22	3.8	.5	11	0		FC24
1082	6-28	1423 / 1439	ODEKIRK-BLAKELY	17.5	5.05	0.69	0.19	3.5	.5	15	0		"
1083	7-6	1534 / 1542	BLAKELY	16.5	2.61	1.15	0.15	3.0	FLOATS	6	0		———
1084	7-12	1555 / 1603	"	16.5	2.13	1.08	0.14	2.3	FLOATS	7	0		———
1085	7-18	1450 / 1458	"	16.7	2.44	1.19	0.16	2.9	FLOATS	7	0		———
1086	7-26	1420 / 1456	THOMAS	16.5	2.70	0.67	0.18	1.8	FLOATS	11	0		———
1087	8-16	0736 / 0748	BLAKELY	16.5	2.60	0.46	0.26	1.2	.5	11	0		FC24
1088	8-23	0955 / 1008	THOMAS	16.7	2.32	0.52	0.27	1.2	FLOATS	11	-02		———
1089	9-13	1033 / 1041	BLAKELY	3.8	1.02	0.98	--	1.0	.5	8	———		FC24
1090	9-20	1403 / 1419	THOMAS	3.5	0.64	0.98	0.17	0.63	.5	7	0		FC42
1091	9-27	1502 / 1508	BLAKELY	3.8	0.71	0.73	0.20	0.52	.5	6	0		FC24

F. C. Dist. Form 53 4-46

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, 1950

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5.9	4.7	2.1	f 3.9	4.7	2.5	3.3	a 3.1	4.3	3.1	1.2	a 0.8
2	9.0	5.1	2.3	a 3.9	4.3	b 2.5	3.3	a 3.2	4.3	3.1	1.2	0.8
3	11	5.1	2.5	3.9	4.3	2.6	3.1	a 3.3	3.9	2.9	1.2	0.8
4	6.3	5.1	2.5	3.9	4.3	2.7	3.1	3.3	3.9	2.7	1.2	1.0
5	6.3	5.1	2.7	3.9	4.7	2.8	3.1	3.3	3.9	2.7	1.2	1.0
6	5.9	4.3	2.7	a 6.8	804	2.8	3.1	3.9	4.3	2.7	1.2	1.0
7	5.9	4.3	4.8	9.8	34	2.9	3.9	3.9	4.3	2.7	1.2	a 1.0
8	5.5	4.7	126	339	11	3.0	99	3.5	4.7	2.5	1.2	1.0
9	4.7	3.0	22	f 141	3.9	b 3.1	70	3.5	4.7	2.5	1.2	1.2
10	4.3	236	11	18	107	3.1	9.0	3.5	3.9	2.3	1.2	1.4
11	5.1	17	2.9	213	34	b 3.1	3.3	3.5	3.5	2.1	1.2	1.2
12	5.1	6.7	2.5	149	11	3.1	3.5	3.5	3.3	1.9	1.4	1.2
13	5.1	3.5	2.5	38	3.9	3.1	3.9	3.5	2.9	1.7	1.4	0.8
14	5.1	3.9	2.7	21	3.9	3.1	3.3	3.5	2.7	1.7	1.4	0.8
15	5.1	5.1	3.1	17	3.9	3.1	3.3	3.5	2.7	1.7	1.4	0.8
16	3.9	5.9	4.7	12	3.9	b 3.1	3.5	3.5	2.7	1.7	1.2	0.8
17	4.3	5.9	12	5.9	3.5	3.1	3.3	3.5	2.7	1.9	1.2	34
18	4.7	3.9	724	3.9	3.5	b 3.1	3.3	3.9	2.9	1.9	1.2	1.0
19	4.3	2.5	b147	3.1	3.3	3.2	3.3	3.9	2.9	1.9	1.0	0.5
20	4.3	2.5	b 63	3.3	3.1	3.2	3.1	3.5	3.1	1.9	1.0	a 0.4
21	4.3	1.9	41	3.3	3.1	3.3	2.9	3.5	a 2.9	1.9	1.0	0.3
22	4.3	1.7	52	3.3	3.3	b 3.3	3.3	3.5	a 2.7	1.7	1.0	0.3
23	3.5	1.7	54	3.5	3.5	3.4	3.5	3.9	2.5	1.7	0.5	0.5
24	4.3	1.7	54	4.3	3.1	212	3.3	3.9	2.7	1.5	0.3	0.8
25	5.1	1.7	54	4.7	2.7	129	3.3	3.9	2.9	1.5	0.5	0.8
26	4.7	1.7	54	4.3	2.7	b 18	3.1	3.9	2.9	1.5	0.7	1.0
27	4.7	1.7	56	3.9	2.9	3.5	2.9	4.3	2.9	1.5	0.8	1.0
28	5.1	1.9	56	25	2.7	3.5	2.9	4.3	2.9	1.5	0.7	1.0
29	5.1	2.1	20	56		3.5	a 2.9	4.3	2.9	1.5	0.7	1.0
30	4.3	1.9	7.5	14		3.5	a 3.0	4.3	3.1	1.4	0.8	1.0
31	4.3		5.1	5.5		b 3.5		4.3		1.4	0.8	
	1615		15966	10802		2656			1000		322	
		3793		11281	4457		1144			627		592
MEAN	5.21	12.6	51.5	36.4	38.6	14.4	8.85	3.69	3.33	2.02	1.04	1.97
ACRE-FEET	320.	752.	3170.	2240.	2140.	884.	527.	227.	198.	124.	64.	117.

Remarks:

YEAR OR PERIOD MEAN ACRE-FEET 14.9 / 10760.

7-D17.M F. C. Dist. 35 9-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

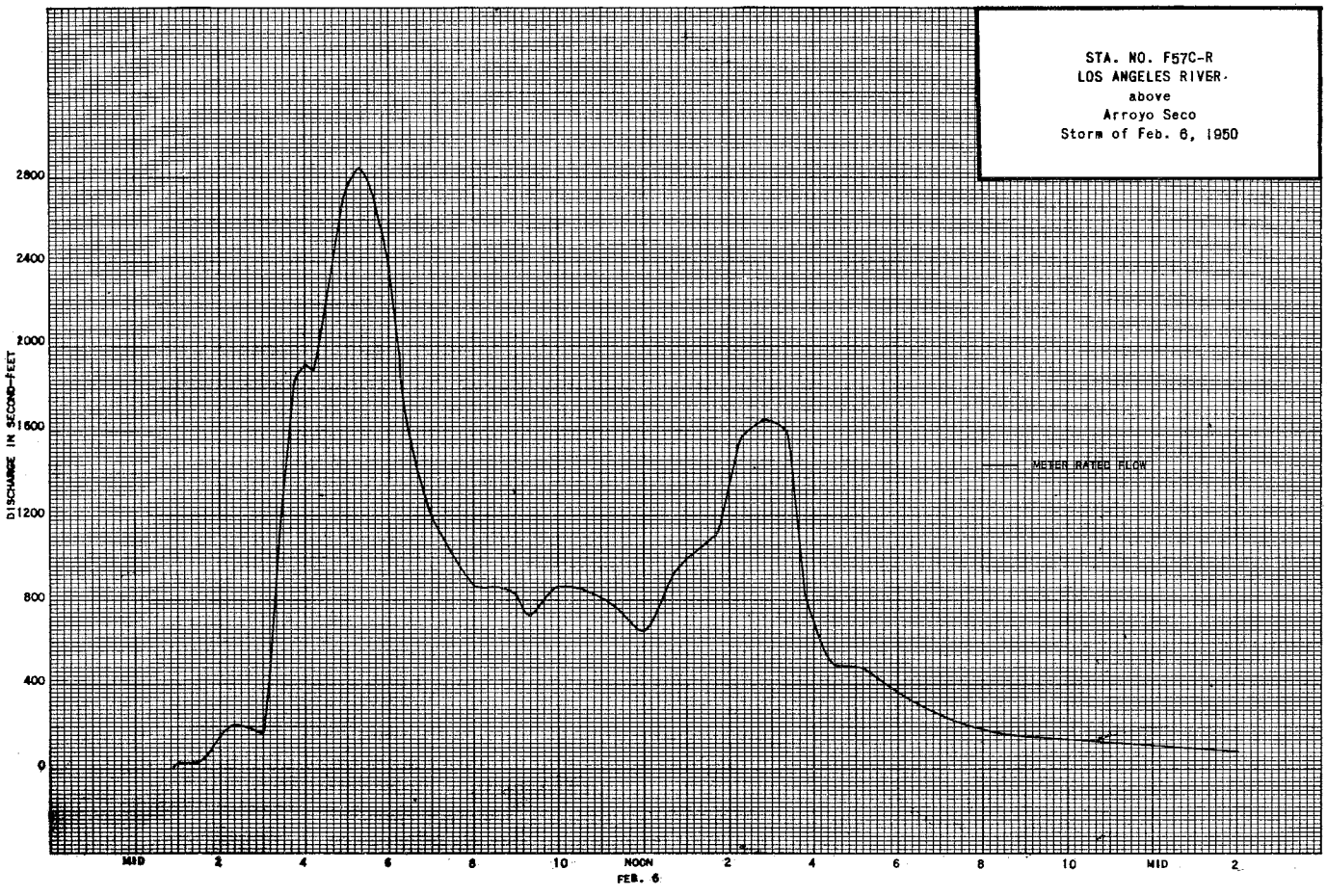
Sta. No. F57C-R

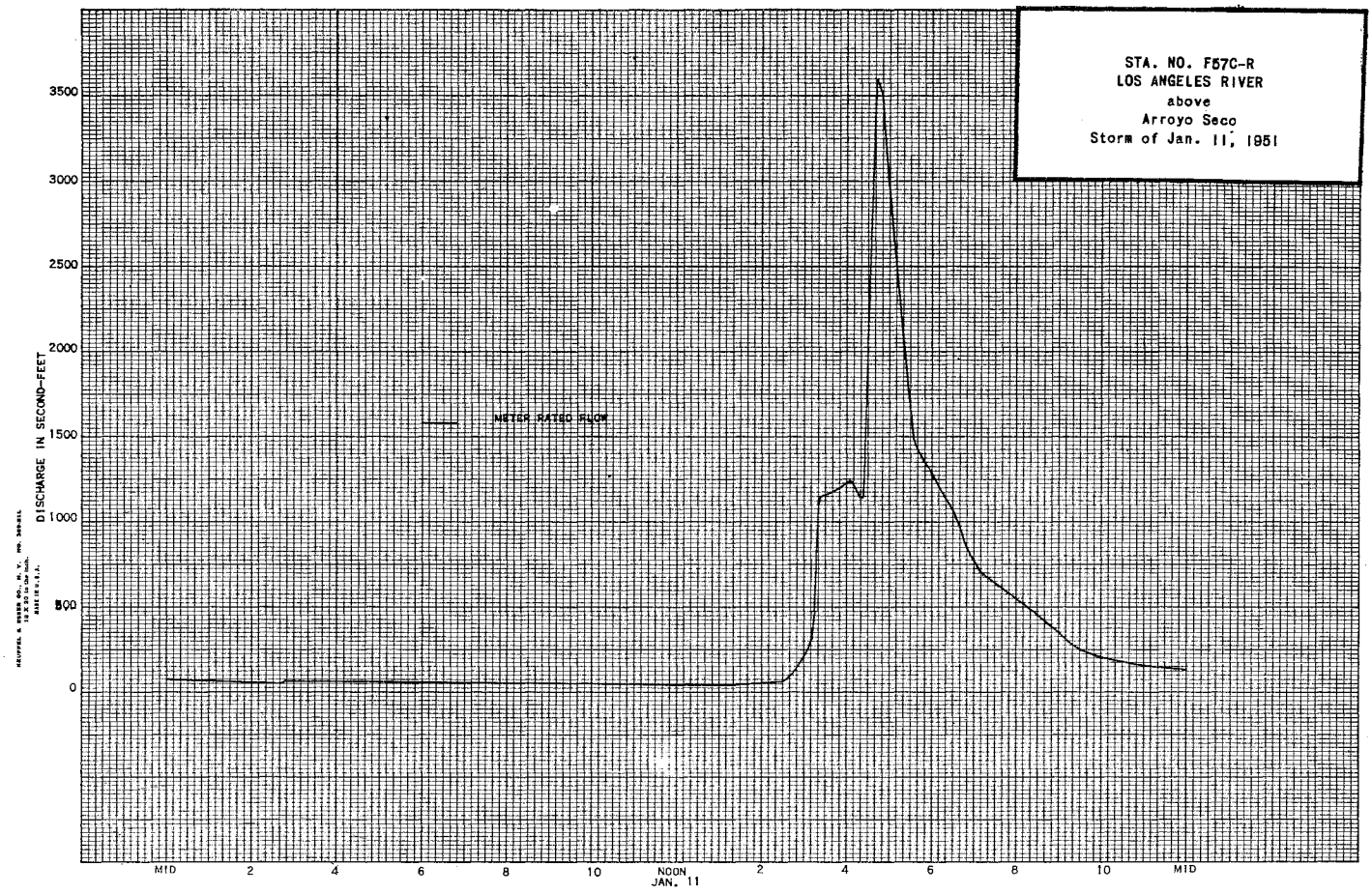
Daily discharge, in second-feet of LOS ANGELES RIVER above Arroyo Seco for the year ending September 30, 1951

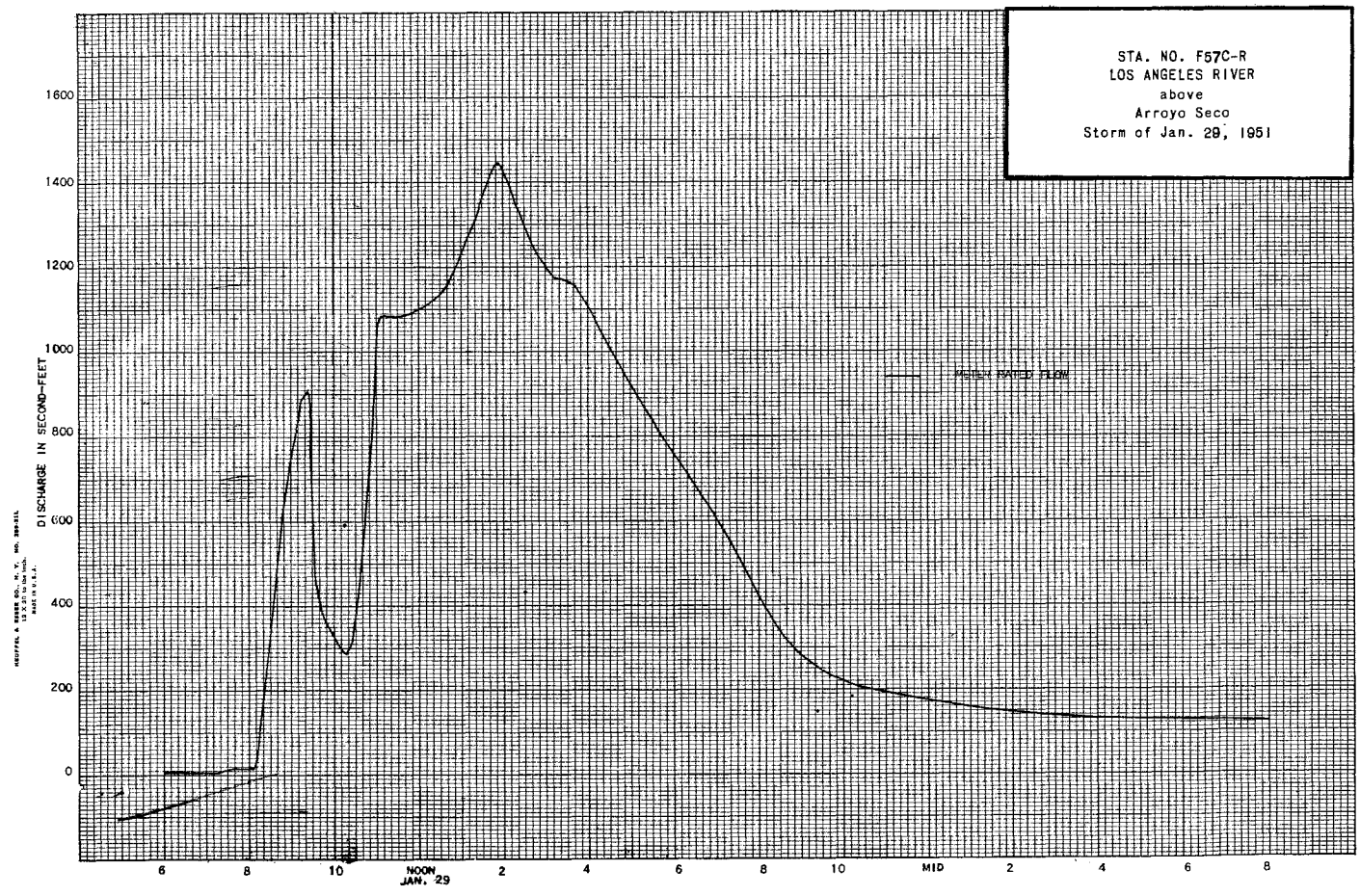
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.9	1.2	0.8	6.1	b 9.0	204	4.3	13	1.8	2.6	2.4	b 1.1
2	0.9	0.8	0.8	9.0	b 9.3	26	4.3	11	1.8	2.9	2.6	1.1
3	0.9	0.8	0.8	12	b 7.3	14	11	8.4	1.5	3.2	2.6	1.1
4	0.9	0.8	0.9	18	7.5	8.4	65	4.3	1.8	3.5	2.9	1.1
5	1.2	0.8	0.9	27	8.4	8.4	9.6	3.2	1.8	3.2	2.4	1.1
6	1.2	0.8	0.9	13	9.6	10	4.3	2.9	2.1	2.9	2.1	1.1
7	1.2	0.7	0.9	12	7.9	9.6	3.5	2.6	2.4	2.6	2.4	1.0
8	0.9	0.7	1.2	14	7.9	10	2.6	2.6	2.6	2.4	2.4	1.0
9	0.9	0.7	0.9	16	7.5	11	2.6	3.2	2.4	2.4	2.4	1.0
10	0.9	0.7	2.0	202	7.0	12	3.2	3.5	2.1	2.1	2.6	1.0
11	0.8	0.7	11	361	6.1	11	2.9	4.3	1.8	2.4	3.2	1.0
12	0.8	0.8	0.9	b 53	8.4	11	3.2	4.7	2.6	2.4	3.5	b 1.0
13	0.8	4.0	1.2	b 36	7.0	12	3.5	5.1	3.2	2.6	2.1	1.0
14	0.8	1.3	0.7	36	7.0	12	3.5	7.2	3.2	2.4	0.8	1.0
15	0.9	1.5	0.7	29	7.0	12	3.5	2.4	3.5	2.6	1.2	1.2
16	0.9	0.5	0.7	77	7.5	11	3.8	2.4	3.2	2.6	1.5	1.2
17	0.9	0.6	0.7	18	7.5	7.9	3.8	2.9	2.9	2.9	2.4	1.5
18	1.2	1.0	0.8	20	7.5	5.2	3.2	3.2	2.6	2.9	2.6	1.8
19	1.2	3.4	0.8	98	7.9	4.7	2.6	2.6	2.9	2.4	2.9	2.1
20	1.2	6.2	0.8	29	8.4	4.3	2.6	2.6	2.9	2.1	2.6	0.6
21	1.2	1.2	0.9	8.4	8.4	3.8	2.1	2.4	3.2	2.1	1.5	0.6
22	1.2	1.2	1.8	7.0	32	3.8	1.8	2.4	3.2	2.1	1.2	0.6
23	1.2	1.2	2.4	7.0	142	3.8	1.8	2.1	3.2	2.1	1.2	0.6
24	1.2	1.2	2.4	7.0	53	3.8	2.1	2.1	3.2	1.8	b 1.2	0.6
25	1.2	1.2	0.9	7.9	9	3.8	9.9	2.4	3.2	1.8	1.2	0.6
26	1.2	1.2	1.5	7.0	109	5.2	3.0	2.4	4.3	1.8	1.2	0.6
27	5.2	1.2	2.4	6.6	67	4.3	8.4	2.1	4.7	2.1	1.2	0.5
28	0.9	0.9	2.9	6.1	18	3.8	201	1.8	3.8	2.1	1.2	0.6
29	0.8	0.9	3.8	487		3.8	85	2.1	3.2	2.4	1.2	0.8
30	0.9	0.9	5.6	80		4.3	21	1.8	2.9	2.4	1.2	0.9
31	1.2		6.1	14		4.3		1.8		2.1	b 1.1	
	35.6	126.4	59.1	1724.1	594.7	449.2	595.2	115.5	84.0	75.9	61.0	29.4
MEAN	1.15	4.21	1.91	55.6	21.2	14.5	19.8	3.73	2.80	2.45	1.97	0.97
ACRE-FEET	71.	251.	117.	3420.	1180.	891.	1180.	229.	167.	151.	121.	58.

Remarks:

YEAR OR PERIOD MEAN 10.8
ACRE-FEET 7840.




STA. NO. F57C-R
LOS ANGELES RIVER
above
Arroyo Seco
Storm of Jan. 11, 1951
METER RATED FLOW
DISCHARGE IN SECOND-FEET
3500
3000
2500
2000
1500
1000
500
0
MID
2
4
6
8
10
NOON
JAN. 11
2
4
6
8
10
MID


STA. NO. F57C-R
LOS ANGELES RIVER
above
Arroyo Seco
Storm of Jan. 29, 1951
METER RATED FLOW
DISCHARGE IN SECOND-FEET
1600
1400
1200
1000
800
600
400
200
0
6
8
10
NOON
JAN. 29
2
4
6
8
10
MID
2
4
6
8

STATION F34C-R

LOS ANGELES RIVER at Firestone Boulevard

LOCATION: WATER-STAGE RECORDER, LAT. 33°57'03", LONG. 118°10'22", ON THE DOWNSTREAM SIDE OF FIRESTONE BOULEVARD BRIDGE, ABOUT 3 MI. WEST OF DOWNEY. ELEVATION OF ZERO GAGE HEIGHT, 98.37 FEET.

DRAINAGE AREA: 614 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - SAND AND SILT, ABOUT 395 FEET WIDE WITH 3:1 RIPRAPPED SLOPES. CONTROL - CONCRETE SILL ACROSS CHANNEL BOTTOM ABOUT 150 FEET BELOW STATION. CONTROL WAS REMOVED SEPTEMBER 1948 PENDING NEW BRIDGE CONSTRUCTION.

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

RECORDER: INSTALLED APRIL 11, 1938 OVER AN 18-INCH DIAMETER CORRUGATED IRON PIPE STILLING WELL. RECORDER REMOVED NOVEMBER 3, 1949. REINSTALLED 22-INCH PIPE INSIDE PIER ON SOUTH SIDE OF NEW BRIDGE NOVEMBER 4, 1949. AN AU CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1949 TO SEPTEMBER 30, 1951.

REGULATION: FLOW IS SUBJECT TO SAME REGULATION AS STATION F57C-R. IN ADDITION, THE FLOW IS PARTIALLY REGULATED BY DEVIL'S GATE DAM.

DIVERSIONS: FLOW IS SUBJECT TO SAME DIVERSIONS AS STATION F57C R. SEVERAL IRRIGATION DIVERSIONS IN THE MOUNTAIN TRIBUTARIES; SOME FLOW IS DIVERTED AT SEVERAL WATER SUPPLY RESERVOIRS AND THE LOS ANGELES WATER DEPARTMENT DIVERTS FLOW FOR SPREADING. THE CITY OF PASADENA DIVERTS 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 SEPTEMBER 30, 1951.

EXTREMES OF DISCHARGE:
1949-50
MAXIMUM 8,480 SECOND FEET, FEBRUARY 6.
MINIMUM 7.5 SECOND FEET, OCTOBER 10.
1950-51
MAXIMUM 5,840 SECOND FEET, JANUARY 11.
MINIMUM 0.4 SECOND FOOT, SEPTEMBER 4.
1928-51 (STATIONS F34 R AND F34B R)
MAXIMUM 79,000 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 IN 1947 1948, FAIR IN 1948 9149.

OPERATION: LOCATED AND CONSTRUCTED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT WITH THE COOPERATION OF CORPS OF ENGINEERS, DEPARTMENT OF THE ARMY AND THE UNITED STATES GEOLOGICAL SURVEY, WATER RESOURCES BRANCH.

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER

AT ~~NEAR~~ Firestone Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 1950

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	D. HT. CHANGE TOTAL	METER NO.
1122	10-6	0844 0856	BONADIMAN	32.0	16.2	1.03	2.42	16.7		.6	9	0	FC19
1123	10-13	0840 0856	"	32.0	15.4	1.29	2.27	19.9		.6	8	0	"
1124	10-20	0836 0850	"	32.0	17.0	1.07	2.26	18.2		.6	10	0	"
1125	10-27	0818 0828	BONADIMAN - LINDSAY	34.0	16.6	1.11	2.32	18.5		.6	9	0	"
1126	11-3	0916 0928	BONADIMAN	31.0	17.8	1.08	2.40	19.2		.6	8	0	"

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER

AT ~~NEAR~~ Firestone Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 1950

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	D. HT. CHANGE TOTAL	METER NO.
1	11-9	2150 2215	BONADIMAN - JOHNSON	170.0	315.	2.37	2.20	749.		.6	12		FC19
2	11-10	0730 0800	"	350.0	585.	2.44	3.50	1430.		SURF .6	19		"
3	11-10	0832 0902	"	355.0	878.	4.71	4.17	4140.		.6	20		"
4	11-11	0927 0940	"	28.0	19.5	2.11	1.30	41.1		.6	9		"
5	11-17	0855 0906	BONADIMAN	25.0	14.1	1.51		21.3		.6	8		"
6	11-23	0900 0910	"	22.0	11.3	1.22		13.8		.6	6		"
7	12-1	0940 0952	"	22.0	12.2	1.20		14.7		.6	8		"
8	12-8	0700 0714	BONADIMAN - JOHNSON	90.0	134.	2.46	-0.75	329.		.6	9	+.02	"
9	12-8	1502 1526	"	320.0	444.	2.20	0.43	976.		.6	20	-.04	"
10	12-9	1000 1016	BONADIMAN	27.0	24.2	2.29	-2.34	55.5		.6	9		"
11	12-15	0905 0920	"	24.0	11.7	1.13	-3.10	13.2		.6	9	0	"
12	12-18	0930 1010	BONADIMAN - GEORGE	TWO CHANNELS				0.88	1630.	.6	18	+.25	"
13	12-18	1100 1114	"	"	"			1.20	2740.	.6	17	+.17	"
14	12-19	0924 0932	"	85.0	98.5	2.28	-0.95	224.		.6	8	0	"
15	12-22	1010 1014	BONADIMAN	31.0	32.6	1.82	-2.24	59.5		.6	9	0	"
16	12-29	0912 0926	"	30.0	23.5	1.36	-2.16	32.0		.6	9	0	"
17	1-5	0902 0916	"	17.0	10.5	1.24	-0.32	13.0		.6	7	0	"
18	1-8	1940 2005	BONADIMAN - GEORGE	359.0	1030.	6.00	2.30	6180.		.6	16	-.27	"
19	1-9	1416 1428	"	130.0	184.	1.02	0.30	187.		.6	7	0	"
20	1-11	1230 1242	BONADIMAN - REINHARD	TWO CHANNELS			0.76	573.		.6	14	+.03	"
21	1-12	1002 1020	REINHARD - BONADIMAN	140.0	130.	0.80	0.27	104.		.6	7	0	"
22	1-12	1332 1400	"	TWO CHANNELS			0.93	854.		.6	18	+.06	"
23	1-13	1000 1014	BONADIMAN - REINHARD	111.0	105.	0.57	0.16	59.9		.6	12	0	"
24	1-19	0850 0900	BONADIMAN	16.5	10.7	1.30	-0.12	13.9		.6	6	0	"
25	1-26	0902 0916	"	19.0	11.2	1.36	-0.05	15.3		.6	8	0	"
26	2-2	0900 0910	"	18.0	10.6	1.47	-0.02	15.6		.6	6	0	"
27	2-6	0547 0610	BONADIMAN - GEORGE	362.0	926.	6.81	2.40	6300.		.6	13	-.20	"
28	2-7	1440 1458	"	84.0	110.	0.66	0.18	73.0		.6	9	0	"
29	2-9	0846 0900	BONADIMAN	80.0	93.8	0.21	0.03	20.1		.6	9	0	"
30	2-10	1250 1310	"	TWO CHANNELS				0.74	550.	.6	14	0	"
31	2-11	0850 0910	"	110.0	152.	0.69	0.18	105.		.6	6	0	"
32	2-16	0844 0854	"	24.0	12.9	1.27	-0.03	16.4		.6	7	0	"
33	2-23	0924 0936	"	23.0	13.8	1.11	-0.02	15.3		.6	8	0	"
34	3-2	0852 0902	"	22.0	12.2	1.15	-0.03	14.1		.6	6	0	"
35	3-9	0904 0916	"	20.0	12.1	1.18	-0.02	14.3		.6	7	0	"
36	3-16	0910 0922	"	20.0	11.6	1.20	-0.04	13.9		.6	9	0	"
37	3-23	0828 0840	"	22.0	11.6	1.26	-0.03	14.6		.6	7	0	"
38	3-24	2054 2118	BONADIMAN - GEORGE	355.0	613.	3.69	1.50	2260.		.6	13	-.18	"
39	3-25	0834 0846	"	130.0	137.	1.03	0.30	141.		.6	7	-.01	"
40	3-30	0856 0903	BONADIMAN	22.0	13.0	1.50	-0.05	19.6		.6	6	0	"
41	4-6	0858 0910	"	18.0	10.8	1.44	-0.03	15.6		.6	7	0	"
42	4-8	1742 1800	BONADIMAN - GEORGE	215.0	249.	2.00	0.66	497.		.6	11	-.02	"
43	4-13	0856 0908	BONADIMAN	20.0	13.4	1.28	0.00	17.2		.6	8	0	"
44	4-20	0910 0920	"	17.0	13.6	1.26	0.00	17.1		.6	6	0	"
45	4-27	0904 0916	"	16.0	11.3	1.20	-0.03	13.6		.6	7	0	"
46	5-4	0910 0920	"	16.0	10.8	1.19	-0.03	12.9		.6	5	0	"
47	5-11	0914 0924	"	17.0	11.8	1.28	-0.20	15.1		.6	7	0	"
48	5-18	0904 0914	"	18.0	13.9	1.10	-0.26	15.3		.6	6	0	"
49	5-25	0902 0914	"	16.0	12.2	1.24	-0.06	15.1		.6	7	0	"
50	6-1	0918 0930	"	15.0	11.4	1.22	-0.05	13.9		.6	6	0	"
51	6-8	0905 0914	"	15.0	12.1	1.22	-0.05	14.8		.6	8	0	"
52	6-15	0912 0922	"	16.0	12.1	1.22	-0.07	14.8		.6	7	0	"
53	6-22	0845 0906	"	15.0	11.6	1.34	-0.05	15.5		.6	8	0	"
54	6-29	0900 0912	"	15.0	11.6	1.28	-0.02	14.9		.6	7	0	"
55	7-6	0856 0908	"	15.0	12.3	1.26	-0.02	15.5		.6	8	0	"
56	7-13	0922 0934	"	28.0	14.1	0.92	-0.03	13.0		.6	8	0	"
57	7-20	0902 0914	"	28.0	14.6	1.11	-0.02	16.2		.6	8	0	"
58	7-27	0902 0914	"	28.0	13.6	1.10	+0.02	15.0		.6	8	0	"
59	8-3	0854 0906	"	27.0	13.0	1.16	0.00	15.1		.6	8	0	"
60	8-10	0858 0910	"	25.0	11.2	0.99	0.00	11.1		.6	8	0	"
61	8-17	0912 0922	"	21.0	9.98	1.10	-0.01	11.0		.6	8	0	"
62	8-24	0900 0912	"	25.0	8.09	1.28	-0.01	10.4		.6	7	0	FC19
63	8-31	0822 0932	"	26.0	10.7	1.14	-0.01	12.2		.6	7	0	"
64	9-7	0820 0840	WADDICOR	20.0	7.41	1.47	0.02	10.9		.5 .6	8	0	FC37
65	9-14	0835 0847	"	24.0	11.2	1.08	0.03	12.1		.6	8	0	"
66	9-21	0840 0850	"	21.0	9.70	1.60	0.07	15.5		.6	8	0	"
67	9-28	0937 0950	BONADIMAN	18.0	9.52	1.41	0.07	13.4		.6	8	0	FC19

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER

AT NEAR Firestone Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 19 51

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
68	10-5	0906 / 0918	BONADIMAN	18.0	9.90	1.27	0.08	12.6		.6	9	0	FC19
69	10-3	0840 / 0856	THOMAS-BONADIMAN	24.0	10.1	1.19	0.07	12.1		.6	11	0	"
70	10-19	0938 / 0950	BONADIMAN	24.0	11.0	1.39	0.08	15.3		.6	10	0	"
71	10-26	0846 / 0858	"	18.0	9.90	1.33	0.08	13.1		.6	8	0	"
72	11-2	0840 / 0852	"	25.0	12.1	1.04	0.10	13.8		.6	10	0	"
73	11-9	0840 / 0856	"	16.5	9.42	1.25	0.09	11.8		.6	11	0	"
74	11-13	1720 / 1736	"	233.	210.	1.37	0.83	287.		SURF. .6	13	0	"
75	11-14	0844 / 0858	"	42.0	28.5	2.15	0.27	61.4		.6	10	0	"
76	11-16	0846 / 0856	"	15.0	7.87	1.40	0.07	11.0		.6	7	0	"
77	11-22	0842 / 0850	"	21.0	12.1	1.15	0.09	13.9		.6	9	0	"
78	11-30	0840 / 0850	"	18.0	8.47	1.55	0.08	13.1		.6	7	0	FC46
79	12-7	0846 / 0856	"	19.0	8.79	1.26	0.04	11.1		.6	8	0	FC19
80	12-14	0906 / 0916	"	23.0	11.3	1.12	0.07	12.6		.6	8	0	"
81	12-21	0855 / 0906	"	21.0	9.86	1.13	0.07	11.1		.6	8	0	"
82	12-28	0850 / 0904	"	21.0	10.3	1.37	0.10	14.1		.6	10	0	"
83	1-4	0844 / 0856	"	21.0	14.0	1.68	0.18	23.6		.6	8	0	"
84	1-10	1414 / 1440	"	355.	510.	4.43	1.38	2260.		.6	20	+.06	"
85	1-11	0914 / 0926	"	42.0	59.0	1.40	0.35	82.7		.6	9	0	"
86	1-11	1802 / 1828	"	360.	552.	4.06	1.75	2240.		.6	18	+.43	"
87	1-12	1050 / 1106	HOLLERON-BONADIMAN	85.0	74.5	1.69	0.37	126.		.6	8	0	"
88	1-16	0906 / 0925	BONADIMAN	265.	335.	2.54	1.02	852.		.6	12	-.03	"
89	1-17	0900 / 0912	"	85.0	69.2	0.53	0.16	36.6		.6	7	-.02	"
90	1-19	0502 / 0525	HOLLERON-BONADIMAN	260.	279.	2.42	0.95	676.		.6	15	+.02	"
91	1-20	1232 / 1244	BONADIMAN	100.	78.5	0.87	0.22	68.2		.6	8	0	"
92	1-25	0940 / 0950	"	17.0	12.8	1.77	0.06	22.7		.6	7	0	"
93	1-29	1330 / 1354	"	360.	655.	5.86	1.92	3840.		.6	19	-.10	"
94	1-30	1035 / 1048	"	115.	81.0	1.36	0.30	110.		.6	8	0	"
95	2-1	0812 / 0924	"	34.0	20.3	1.43	-0.11	29.0		.6	9	0	"
96	2-8	0854 / 0908	"	25.0	15.7	1.51	-0.11	23.7		.6	10	0	"
97	2-15	0922 / 0934	"	31.0	16.4	1.40	-0.16	22.9		.6	9	0	"
98	2-21	0834 / 0846	"	31.0	17.1	1.37	-0.09	23.4		.6	9	0	"
99	2-23	0900 / 0926	"	246.	264.	2.40	0.88	634.		.6	14	+.04	"
100	2-24	0844 / 0856	"	110.	107.	1.35	0.32	145.		.6	9	-.02	"
101	2-27	0810 / 0820	BONADIMAN-WADDICOR	110.	138.	1.49	0.40	205.					
102	3-1	0754 / 0826	HOLLERON-BONADIMAN	238.	239.	2.50	0.80	597.					
103	3-8	0846 / 0858	BONADIMAN	28.0	15.3	1.54	-0.05	23.5					
104	3-15	0844 / 0858	"	35.0	19.7	1.14	-0.04	22.4					
105	3-22	0834 / 0844	"	17.0	10.7	1.48	-0.24	15.8					
106	3-29	0834 / 0844	"	20.0	12.2	1.34	-0.27	16.3					
107	4-5	0840 / 0850	"	30.0	20.6	1.90	0.02	39.2					
108	4-12	0900 / 0914	"	31.0	16.7	1.12	-0.22	18.7					
109	4-19	0840 / 0850	"	28.0	14.3	1.41	-0.24	20.2					
110	4-25	1706 / 1726	"	TWO	CHANNELS		0.98	931.					
111	4-26	0836 / 0846	"	95.0	87.0	1.14	0.15	98.9					
112	4-28	2022 / 2100	HOLLERON-BONADIMAN	355.	529.	4.52	1.33	2390.					
113	5-3	0906 / 0918	BONADIMAN	42.0	19.6	1.11	-0.13	21.7					
114	5-10	0854 / 0906	"	45.0	17.6	1.11	-0.28	19.6					
115	5-17	0904 / 0914	"	21.0	11.7	1.33	-0.32	15.6					
116	5-24	0906 / 0918	HANSON-BONADIMAN	15.0	8.87	1.51	-0.38	13.4					
117	5-31	0904 / 0914	BONADIMAN	19.5	9.69	1.00	-0.46	9.7					
118	6-7	0856 / 0910	"	23.0	14.3	1.01	-0.38	14.5					
119	6-14	0844 / 0856	"	26.0	16.4	0.93	-0.32	15.3					
120	6-21	0858 / 0906	"	24.0	16.1	1.00	-0.31	16.1					
121	6-28	0845 / 0858	"	16.0	10.9	1.39	-0.30	15.2					
122	7-6	0842 / 0856	"	17.0	10.4	1.30	-0.36	13.5					
123	7-12	0848 / 0858	"	25.0	15.0	0.91	-0.34	13.7					
124	7-20	0844 / 0856	"	16.0	9.56	1.13	-0.37	13.7					
125	7-26	1202 / 1212	"	18.0	10.5	1.27	-0.36	13.3					
126	8-2	0922 / 0932	"	15.0	9.84	1.40	-0.36	13.8					
127	8-9	0900 / 0910	"	16.0	10.4	1.23	-0.42	12.8					
128	8-16	0848 / 0900	"	17.0	9.89	1.43	-0.36	14.2					
129	8-23	0856 / 0906	"	17.0	9.25	1.37	-0.38	12.7					
130	8-30	0902 / 0912	"	24.0	14.5	1.03	-0.37	15.0					
131	9-6	0855 / 0905	WADDICOR	14.0	6.40	1.51	-0.41	12.7					
132	9-13	0855 / 0905	"	14.5	7.79	1.37	-0.39	10.7					
133	9-20	0927 / 0939	BONADIMAN	24.0	15.8	0.95	-0.34	15.0					
134	9-27	0850 / 0902	"	26.0	14.4	0.92	-0.34	13.3					

F. C. Dist. Form 53 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F34C-R

Daily discharge, in second-feet of LOS ANGELES RIVER at Firestone Boulevard for the year ending September 30, 1950

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	17	19	b 15	b 26	19	17	15	14	15	14	15	14
2	16	21	15	24	17	16	14	14	15	12	15	14
3	20	19	15	22	18	15	15	14	14	12	18	10
4	20	a 19	15	20	16	14	19	14	12	10	17	9.0
5	20	19	15	b 18	14	12	18	16	14	14	14	11
6	20	19	15	25	1430	14	17	17	16	16	11	13
7	16	a 19	b 15	30	101	17	17	15	16	17	12	14
8	11	a 19	a 230	889	43	16	198	17	17	14	13	14
9	8.5	a 165	a 190	280	23	19	214	19	16	13	13	13
10	11	1770	b 13	112	232	17	29	20	16	13	12	11
11	19	58	13	510	112	15	20	17	14	14	12	14
12	21	b 22	13	304	54	13	19	14	14	14	13	14
13	22	22	13	62	34	15	17	14	18	14	9.0	14
14	21	21	13	20	29	17	18	10	17	16	12	14
15	17	21	13	14	22	18	14	14	18	14	13	14
16	14	21	13	17	18	16	12	17	19	12	14	14
17	19	21	b 13	15	19	18	14	18	17	14	13	108
18	23	20	1730	14	17	15	17	22	12	18	14	26
19	21	19	458	13	13	14	18	17	14	17	14	22
20	19	17	146	18	14	18	19	13	18	18	12	17
21	18	16	b 64	17	18	19	16	9.5	18	19	12	18
22	17	15	60	14	16	20	14	23	16	17	14	18
23	14	14	56	14	15	18	12	25	18	14	12	16
24	16	14	52	19	16	347	14	22	18	15	12	14
25	20	14	48	17	14	273	17	18	14	18	14	15
26	21	14	44	18	13	58	16	18	15	17	13	16
27	19	14	40	19	14	23	15	17	19	17	12	17
28	20	15	36	37	16	19	18	14	17	17	14	15
29	19	15	32	101		19	17	15	16	15	14	15
30	13	b 15	30	32		18	17	14	17	14	14	14
31	14		b 28	20		18		15		14	14	
	546.5	3453.0		2367.0		880.0		480.0		411.0		538.0
	2477.0		2741.0		1148.0		506.5		463.0			
MEAN	17.6	82.6	114.	88.4	84.5	37.0	29.3	16.3	16.0	14.9	13.3	17.9
ACRE-FEET	1080.	4910.	6850.	5440.	4690.	2280.	1750.	1000.	952.	918.	815.	1070.

Remarks:

YEAR OR PERIOD MEAN 43.9
ACRE-FEET 31760.

76D74M F. C. Dist. 52 9-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

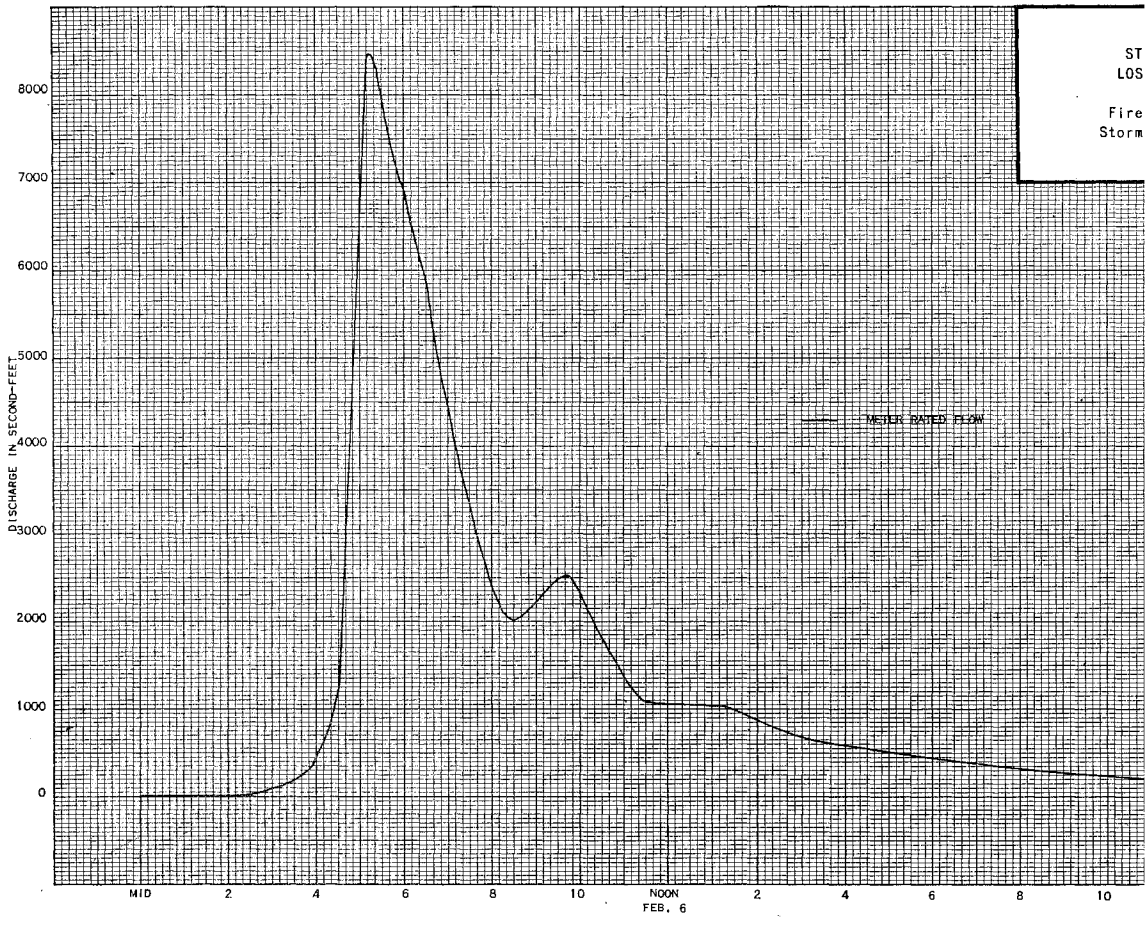
Sta. No. F34C-

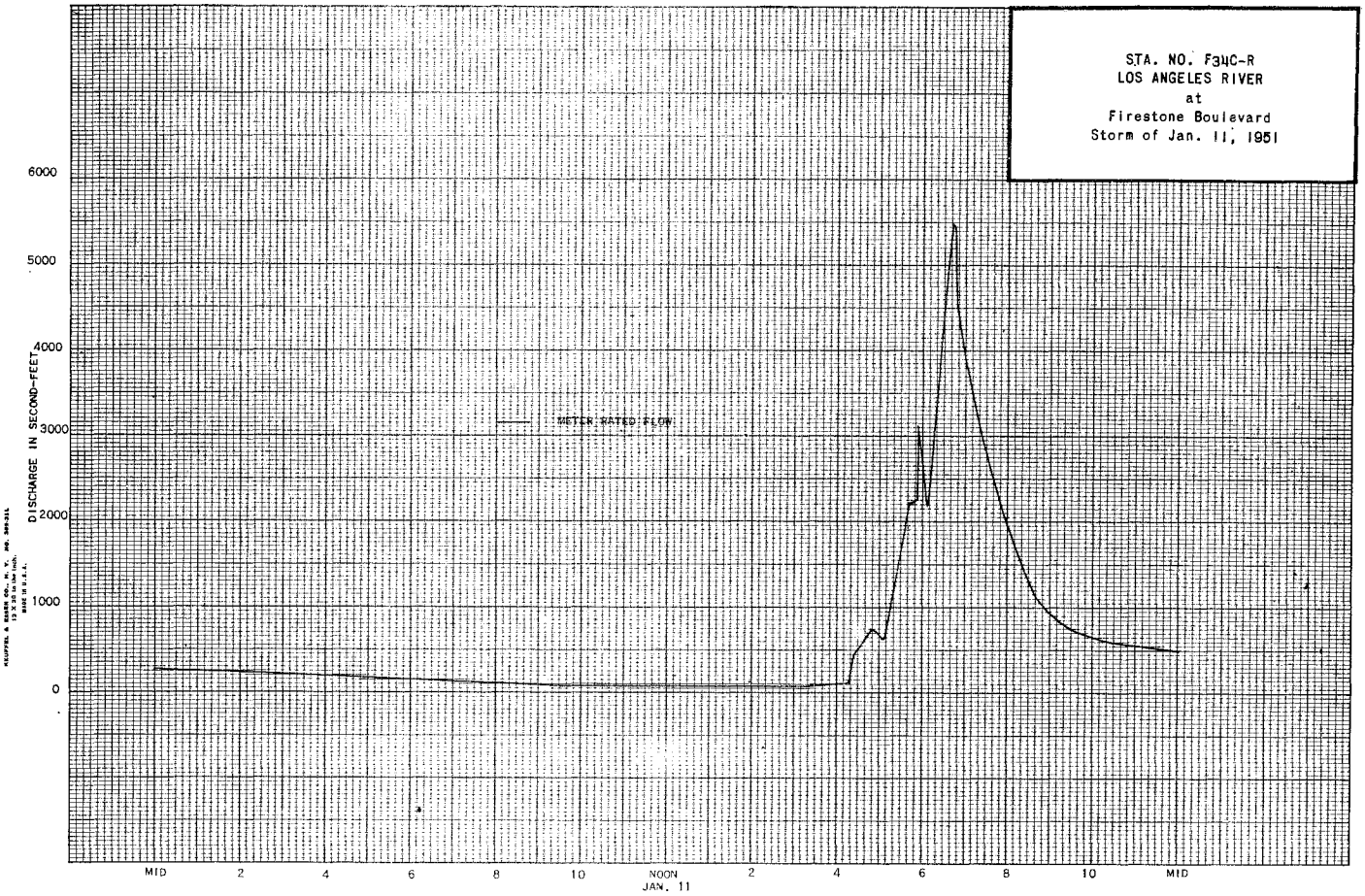
Daily discharge, in second-feet of LOS ANGELES RIVER at Firestone Boulevard, for the year ending September 30, 1

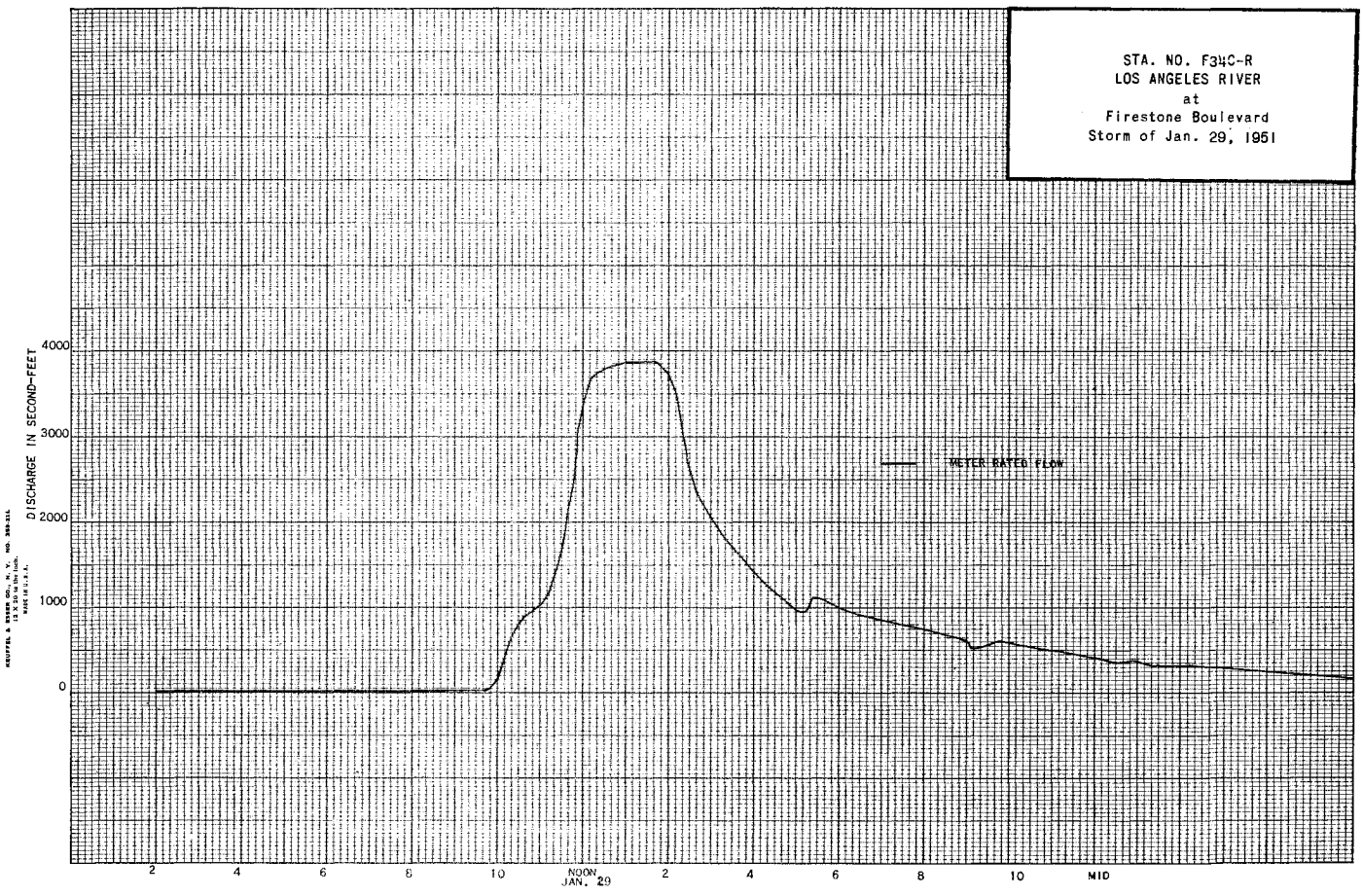
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept
1	12	14	14	16	35	481	10	40	14	11	15	14
2	13	14	14	22	29	87	23	34	12	13	15	12
3	13	15	12	28	23	30	52	29	7.5	15	16	8
4	12	14	12	28	13	24	268	24	12	12	14	12
5	12	13	13	54	18	29	43	16	16	12	12	24
6	13	12	12	29	28	29	32	12	19	17	13	18
7	12	12	12	24	26	28	26	17	19	14	14	15
8	10	12	12	28	30	26	14	20	22	13	15	15
9	12	13	12	32	35	29	20	29	15	12	16	12
10	12	13	12	460	23	28	29	29	9.5	14	16	16
11	12	12	16	620	14	22	28	20	12	13	12	16
12	12	12	14	187	28	23	28	15	14	14	11	16
13	12	127	14	70	26	25	28	10	17	14	14	a 15
14	12	85	14	56	29	25	24	162	20	12	14	17
15	11	15	14	47	28	28	14	35	28	10	14	a 14
16	13	12	14	280	25	30	18	28	16	14	16	E
17	14	12	12	41	20	26	28	26	11	16	14	a 14
18	14	20	12	49	12	20	30	24	16	16	14	a 22
19	16	149	12	287	16	32	29	15	17	13	11	a 24
20	16	46	12	65	23	35	28	10	19	18	14	25
21	17	17	12	34	25	29	19	17	20	14	16	22
22	13	14	12	20	43	24	14	17	22	10	17	15
23	14	12	12	22	393	20	23	17	17	13	15	9
24	14	12	12	22	179	14	25	17	14	14	16	12
25	14	14	12	22	26	8.0	311	16	16	15	13	16
26	14	12	14	20	160	14	110	13	19	16	10	17
27	41	14	15	20	275	23	43	8.5	18	16	12	17
28	14	14	14	20	70	24	364	12	18	14	11	22
29	12	14	15	898		30	230	14	17	11	60	18
30	14	14	16	143		34	43	12	13	13	23	10
31	14		15	47		20		12		14	18	
	434.0	759.0	408.0	3691.0	1652.0	1297.0	2004.0	750.5	490.0	428.0	491.0	476
MEAN	14.0	25.3	13.2	119.	59.0	41.8	66.8	24.2	16.3	13.8	15.8	15
ACRE-FEET	860.	1510.	810.	7320.	3280.	2570.	3980.	1490.	972.	849.	974.	944

Remarks:

YEAR OR PERIOD MEAN 35
ACRE-FEET 25,560




STA. NO. F34C-R
LOS ANGELES RIVER
at
Firestone Boulevard
Storm of Jan. 11, 1951
METER RATED FLOW
DISCHARGE IN SECOND-FEET
6000
5000
4000
3000
2000
1000
0
MID
2
4
6
8
10
NOON
JAN. 11
2
4
6
8
10
MID


STA. NO. F34C-R
LOS ANGELES RIVER
at
Firestone Boulevard
Storm of Jan. 29, 1951
METER RATED FLOW
DISCHARGE IN SECOND-FEET
4000
3000
2000
1000
0
2
4
6
8
10
NOON
JAN. 29
2
4
6
8
10
MID

STATION F180-R

LOS ANGELES RIVER at Pacific Coast Highway

LOCATION: WATER-STAGE RECORDER, LAT. 33°47'25", LONG. 118°12'17", ON THE DOWNSTREAM SIDE OF PACIFIC COAST HIGHWAY BRIDGE ABOUT 1.8 MILES UPSTREAM FROM THE PACIFIC OCEAN. ELEVATION OF ZERO GAGE HEIGHT, 0.90 FEET.

CHANNEL AND CONTROL: CHANNEL - FINE SAND AND SILT, 570 FEET WIDE WITH RIPRAPPED LEVEES. NO ARTIFICIAL CONTROL.

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

RECORDER: INSTALLED OCTOBER 31, 1931, OVER AN 18-INCH DIAMETER CORRUGATED IRON STILLING WELL. A STEVENS CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1949 TO SEPTEMBER 30, 1951. AN AUXILIARY STILLING WELL AND RECORDER ARE MAINTAINED ON THE WEST SIDE OF THE CHANNEL.

REGULATION: FLOW IS SUBJECT TO THE SAME REGULATION AS STATION F34C-R AND STATION F45-R.

DIVERSIONS: SEVERAL WATER SUPPLY RESERVOIRS IN THE LOS ANGELES RIVER AREA DIVERT FLOW. THE CITY OF PASADENA DIVERTS WATER FROM THE ARROYO SECO AND FROM EATON CREEK. VARIOUS CITIES, PARTIES AND AGENCIES HAVE MISCELLANEOUS DOMESTIC AND IRRIGATION DIVERSIONS. SEVERAL AGENCIES DIVERT FLOW AT VARIOUS LOCATIONS FOR SPREADING.

RECORDS AVAILABLE: OCTOBER 31, 1931 TO SEPTEMBER 30, 1951. FOR EARLIER RECORDS SEE STATION F36-R, LOS ANGELES RIVER AT WILLOW STREET.

EXTREMES OF DISCHARGE:

1949-50
MAXIMUM 9,090 SECOND-FEET, FEBRUARY 6.
MINIMUM 3.8 SECOND-FEET, SEPTEMBER 5.

1950-51
MAXIMUM 9,040 SECOND-FEET, JANUARY 29.
MINIMUM 3.8 SECOND-FEET, OCTOBER 23.

1931-51
MAXIMUM 99,000 SECOND-FEET, ESTIMATED MARCH 2, 1938.
MINIMUM NO FLOW IN 1930-1931 AND 1933-1934.

ACCURACY: FAIR FOR HIGH FLOW. POOR FOR LOW FLOWS DUE TO REMOVAL OF STREAM BED MATERIAL FOR ROAD BEDS.

OPERATION: LOCATED, CONSTRUCTED 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, 1950

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1017	10-6	1230 / 1245	BONADIMAN	40.0	23.0	0.64	2.67	14.8		.6	10	0	FC19
1018	10-13	1220 / 1240	"	42.0	20.2	0.80	2.63	16.2		.6	10	0	"
1019	10-20	1240 / 1300	"	37.0	18.8	0.83	2.64	15.7		.6	11	0	"
1020	10-27	1110 / 1128	BONADIMAN - LINDSAY	45.0	23.6	0.69	2.64	16.3		.6	12	0	"
1021	11-3	1310 / 1326	BONADIMAN	44.0	22.1	0.97	2.64	21.5		.6	11	0	"
1022	11-10	1142 / 1216	BONADIMAN - JOHNSON	436.0	996.	2.51	5.25	2500.		.6	21	+.50	"
1023	11-11	1404 / 1420	"	405.0	135.	0.96	3.05	130.		SURF .6	11	0	"
1024	11-17	1238 / 1250	BONADIMAN	48.0	30.9	0.58	2.68	18.1		.6	9	0	"
1025	11-23	1224 / 1240	"	41.0	22.0	0.51	2.73	11.3		.6	11	0	"
1026	12-1	1300 / 1312	"	25.0	9.39	0.99	2.48	9.3		.6	7	0	"
1027	12-8	1110 / 1120	BONADIMAN - JOHNSON	120.0	201.	1.59	3.42	320.		.6	10	+.02	"
1028	12-8	2000 / 2020	"	TWO CHANNELS			3.75	492.		.6	14	+.10	"
1029	12-9	1320 / 1334	BONADIMAN	120.0	128.	1.07	3.01	137.		.6	11	0	"
1030	12-15	1216 / 1230	"	32.0	10.1	0.83	2.52	8.4		.6	9	0	"
1031	12-18	1525 / 1554	BONADIMAN - GEORGE	410.0	1030.	2.87	5.37	2960.		.6	17	-.10	"
1032	12-19	1135 / 1159	BONADIMAN	TWO CHANNELS			3.57	401.		.6	14	-.02	"
1033	12-22	1250 / 1420	"	"	"		2.67	57.3		.6	15	0	"
1034	12-29	1215 / 1300	"	"	"		2.64	58.3		.6	18	0	"
1035	1-5	1200 / 1252	"	"	"		2.32	17.7		.6 / .5	14	0	"
1036	1-8,9	2330 / 0002	BONADIMAN - GEORGE	444.0	1330.	4.35	5.91	5790.		.6	19	-.22	"
1037	1-9	1100 / 1124	"	TWO CHANNELS			3.40	450.		.6	14	0	"
1038	1-11	1832 / 1920	REINHARD - BONADIMAN	THREE CHANNELS			4.26	1220.		.6	18	+.18	"
1039	1-11	2012 / 2045	BONADIMAN - REINHARD	442.0	1120.	3.66	5.33	4100.		.6	19	-.13	"
1040	1-12	1833 / 1900	"	TWO CHANNELS			4.05	1000.		SURF .6	16	-.10	"
1041	1-13	1310 / 1406	REINHARD - BONADIMAN	"	"		2.84	100.		.6	30	0	"
1042	1-19	1202 / 1245	BONADIMAN	"	"		2.34	14.1		.6	14	0	"
1043	1-26	1136 / 1210	"	"	"		2.38	14.9		.6	15	0	"
1044	2-2	1130 / 1146	"	39.0	19.1	1.21	2.39	23.1		.6	10	0	"
1045	2-6	1044 / 1118	BONADIMAN - GEORGE	445.0	1360.	4.18	6.10	5690.		.6	19	-.16	"
1046	2-7	1222 / 1248	"	TWO CHANNELS			2.91	223.		.6	10	0	"
1047	2-9	1110 / 1150	BONADIMAN	"	"		2.40	30.3		.6 / .5	14	0	"
1048	2-11	1130 / 1212	"	"	"		2.83	185.		.6	9	0	"
1049	2-16	1220 / 1236	"	44.0	27.2	0.63	2.39	17.1		.6	11	0	"
1050	2-23	1220 / 1238	"	40.0	16.6	0.81	2.28	13.5		.6	8	0	"
1051	3-2	1200 / 1220	"	44.0	19.9	0.80	2.34	15.9		.6	9	0	"
1052	3-9	1230 / 1242	"	42.0	16.3	0.77	2.28	12.6		.6	8	0	"
1053	3-16	1300 / 1312	"	26.0	11.1	0.94	2.28	10.4		.6	7	0	"
1054	3-23	1150 / 1206	"	25.0	10.8	1.07	2.32	11.6		.6	7	0	"
1055	3-25	0124 / 0154	BONADIMAN - GEORGE	446.0	878.	2.64	4.91	2320.		.6	19	+.06	"
1056	3-25	1034 / 1100	"	TWO CHANNELS			3.57	402.		.6	11	0	"
1057	3-30	1142 / 1210	BONADIMAN	"	"		2.22	18.8		.6	11	0	"
1058	4-6	1230 / 1242	"	38.0	17.2	1.00	2.20	17.3		.6	7	0	"
1059	4-13	1220 / 1232	"	35.0	12.9	1.22	2.30	15.7		.6	9	0	"
1060	4-20	1220 / 1230	"	41.0	15.6	0.88	2.30	13.7		.6	9	0	"
1061	4-30	1230 / 1248	"	29.0	13.3	1.03	2.35	13.7		.6	10	0	"
1062	5-4	1134 / 1142	"	24.0	13.1	0.78	2.30	10.2		.6	7	0	"
1063	5-11	1300 / 1320	"	29.0	17.6	0.49	2.25	8.6		.6	8	0	"
1064	5-18	1238 / 1250	"	37.0	21.9	0.69	2.37	15.2		.6	7	0	"
1065	5-25	1230 / 1248	"	32.0	13.5	1.09	2.48	14.8		.6	9	0	"
1066	6-1	1310 / 1322	"	30.0	12.7	0.96	2.38	12.2		.6	8	0	"
1067	6-8	1224 / 1240	"	32.0	13.7	0.92	2.38	12.6		.6	8	0	"
1068	6-15	1210 / 1222	"	31.0	13.7	0.82	2.38	11.2		.6	8	0	"
1069	6-22	1210 / 1226	"	33.0	15.1	0.83	2.40	12.5		.6	9	0	"
1070	6-29	1150 / 1210	"	33.0	14.0	0.87	2.40	12.2		.6	10	0	FC46
1071	7-6	1220 / 1240	"	31.0	14.9	0.86	2.38	12.8		.6	9	0	FC19
1072	7-13	1250 / 1310	"	32.0	13.9	0.78	2.42	10.9		.6	9	0	"
1073	7-20	1240 / 1252	"	32.0	16.0	0.91	2.43	14.5		.6	9	0	"
1074	7-27	1232 / 1250	"	36.0	14.7	0.81	2.38	11.9		.6	10	0	FC46
1075	8-3	1240 / 1258	"	38.0	16.0	0.78	2.38	12.5		.6	10	0	FC19
1076	8-10	1204 / 1220	"	53.0	19.0	0.76	2.38	14.5		.6	11	0	"
1077	8-17	1150 / 1202	"	31.0	15.7	0.64	2.32	10.1		.6	9	0	"
1078	8-24	1130 / 1142	"	30.0	13.8	0.56	2.34	7.8		.6	9	0	"
1079	8-31	1234 / 1240	"	31.0	15.0	0.55	2.34	8.3		.6	9	0	"
1080	9-7	1050 / 1108	WADDICOR	44.0	16.2	0.60	2.34	9.8		.6	12	0	FC37
1081	9-14	1047 / 1057	"	29.0	13.4	0.61	2.49	8.2		.6	8	0	"
1082	9-21	1049 / 1059	"	31.0	13.6	1.10	2.47	14.9		.5 / .6	8	.0	"
1083	9-28	1250 / 1304	BONADIMAN	32.0	12.2	1.01	2.34	12.3		.6	8	0	FC19

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER

AT ~~NEAR~~ Pacific Coast Highway DURING THE YEAR ENDING SEPTEMBER 30, 19 51

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.
1084	10-5	1310 / 1322	BONADIMAN	29.0	13.0	0.79	2.34	10.3		.6	10	0	FC19
1085	10-13	1326 / 1342	THOMAS-BONADIMAN	15.5	6.65	1.41	2.40	9.4		.6	10	0	"
1086	10-19	1300 / 1310	BONADIMAN	18.0	8.67	0.97	2.36	8.4		.6	8	0	"
1087	10-26	1200 / 1220	"	18.0	7.19	1.13	2.38	8.1		.6	8	0	"
1088	11-2	1238 / 1250	"	36.0	11.8	0.75	2.38	8.9		.6	10	0	"
1089	11-9	1046 / 302	"	30.0	12.8	0.56	2.34	7.2		.6	9	0	"
1090	11-14	1046 / 106	"	TWO CHANNELS			3.46	311.		.6	22	-02	"
1091	11-16	1158 / 1210	"	35.0	14.3	0.49	2.41	15.0		.6	8	0	"
1092	11-22	1150 / 1208	"	38.0	17.4	1.04	2.43	18.1		.6	10	0	"
1093	11-30	1146 / 1200	"	42.0	14.9	0.85	2.37	12.7		.6	9	0	FC46
1094	12-7	1200 / 1210	"	28.0	13.3	0.61		8.1		.6	8		FC19
1095	12-14	1230 / 1245	"	24.0	11.9	0.84		10.0		.6	9		"
1096	12-21	1230 / 1240	"	28.0	11.4	0.79		9.0		.6	9		"
1097	12-28	1138 / 1150	"	41.0	17.6	0.68		12.0		.6	9		"
1098	1-4	1234 / 1250	"	51.0	28.6	0.99	2.50	28.4		.6	12	0	"
1099	1-10	1730 / 1754	"	TWO CHANNELS			4.65	514.		.6	20	+.25	"
1100	1-11	1220 / 232	"	"	"		3.09	234.		.6	17	-02	"
1101	1-11	2250 / 2330	BONADIMAN-HOLLERON	473.	1329.	2.36	5.98	3140		.6	20	-.37	"
1102	1-12	1250 / 1310	HOLLERON-BONADIMAN	TWO CHANNELS			3.22	232.		.6	21	0	"
1103	1-16	1431 / 1440	BONADIMAN	"	"		4.18	1010.		.6	24	+.01	"
1104	1-17	1504 / 1520	"	"	"		2.64	72.0		.6	11	0	"
1105	1-19	1132 / 1216	HOLLERON-BONADIMAN	"	"		4.02	840.		.6	28	+.14	"
1106	1-20	1105 / 1130	BONADIMAN	"	"		2.75	113.		.6	14	0	"
1107	1-25	1300 / 1320	"	"	"		2.54	28.3		.6	16	0	"
1108	1-29	1834 / 1906	BONADIMAN-WOOD	473.	1341	2.68	6.00	3600.		.6	19	-.24	"
1109	1-30	1424 / 1456	BONADIMAN	TWO CHANNELS			3.00	321.		.6	12	-.01	"
1110	2-1	1220 / 1236	"	"	"			40.4		.6	13		"
1111	2-8	1320 / 1332	"	28.0	17.4	1.37		23.9		.6	10		"
1112	2-15	1240 / 1256	"	32.0	19.2	1.38		26.6		.6	12		"
1113	2-21	1220 / 1232	"	24.0	19.7	1.26		24.8		.6	9		"
1114	2-23	1426 / 1448	"	TWO CHANNELS			3.77	814.		.5 .6	17	+.14	"
1115	2-24	1240 / 1300	"	"	"		3.46	376.		.6	17	0	"
1116	2-27	0925 / 1002	"	THREE	"		4.10	778.		.6	23	-.12	"
1117	2-27	1504 / 1559	SPENCER-MOON	"	"		3.16	234.		.5 .6	26	-.12	FC22
1118	3-1	1444 / 1544	HOLLERON-BONADIMAN	TWO	"		4.61	1310.		.6	29	+.02	FC19
1119	3-8	1250 / 1310	BONADIMAN	60.0	27.9	1.08		30.1		.6	11		"
1120	3-15	1146 / 1200	"	69.0	33.0	1.03		34.0		.6	12		"
1121	3-22	1242 / 1256	"	40.0	19.2	1.02		19.6		.6	9		"
1122	3-29	1140 / 1154	"	46.0	22.8	0.97		22.2		.6	11		"
1123	4-5	1210 / 1224	"	65.0	49.2	1.27	2.85	62.4		.6	10	0	"
1124	4-12	1218 / 1230	"	46.0	25.2	0.99		25.0		.6	8		"
1125	4-19	1208 / 1224	"	62.0	26.1	0.89		23.3		.6	11		"
1126	4-26	1200 / 1220	"	TWO CHANNELS			2.91	221.		.6	14	-.02	"
1127	4-29	0116 / 0200	BONADIMAN-HOLLERON	"	"		5.48	2090.		.6	20	+14	"
1128	4-29	1420 / 1446	BONADIMAN	"	"		3.44	365.		.6	15	-02	"
1129	5-3	1234 / 1246	"	64.0	30.8	1.18	2.65	36.4		.6	12	0	"
1130	5-10	1230 / 1244	"	48.0	26.0	1.12		28.9		.6	10		"
1131	5-17	1230 / 1250	"	51.0	21.8	0.73		16.0		.6	11		"
1132	5-24	1240 / 1304	HANSON-BONADIMAN	TWO CHANNELS				18.8		.6	14		"
1133	5-31	1232 / 1250	BONADIMAN	28.0	11.4	1.04		11.8		.6	10		"
1134	6-7	1222 / 1242	"	TWO CHANNELS				13.3		.6	13		"
1135	6-14	1230 / 1300	"	"	"			18.1		.6	15		"
1136	6-21	1230 / 1246	"	"	"			16.1		.6	13		"
1137	6-28	1206 / 1230	"	"	"			14.8		.6	16		"
1138	7-6	1320 / 1336	"	"	"			11.5		.6	14		"
1139	7-12	1240 / 1258	"	"	"			13.2		.6	14		"
1140	7-20	1250 / 1320	"	"	"			18.5		.6	14		"
1141	7-26	1424 / 1440	"	"	"			10.4		.6	13		"
1142	8-2	1240 / 1300	"	"	"			12.7		.6	12		"
1143	8-9	1210 / 1230	"	"	"			10.7		.6	13		"
1144	8-16	1204 / 1230	"	"	"			13.5		.6 .5	15		"
1145	8-23	1246 / 1310	"	"	"			9.7		.6 .5	15		"
1146	8-30	1310 / 1330	"	"	"			12.8		.6	15		"
1147	9-6	1150 / 1204	WADDICOR	42.0	12.4	0.84		10.4		.5	11		"
1148	9-13	1140 / 1155	"	45.0	12.4	0.81		10.0		.5	12		"
1149	9-20	1310 / 1322	BONADIMAN	39.0	16.5	0.97		16.1		.6	9		"
1150	9-27	1230 / 1308	"	TWO CHANNELS				10.6		.6	12		"

F. C. Dist. Form 53 4-46

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 50

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	18	21	9.4	35	35	17	28	18	11	18	19	9.4
2	17	22	9.4	19	27	17	26	20	10	16	18	13
3	16	22	9.4	17	24	20	23	24	12	12	19	9.4
4	15	22	16	26	26	16	27	20	11	13	18	10
5	15	22	14	24	24	15	30	15	10	12	17	9.4
6	15	22	9.4	16	2360	15	31	15	15	16	16	11
7	15	22	11	20	247	18	30	18	16	17	15	15
8	16	22	293	937	64	19	150	16	16	18	13	c 18
9	16	22	249	892	27	19	620	17	11	15	16	18
10	16	1370	66	1d3	296	24	166	18	14	11	17	13
11	16	329	42	694	288	27	46	20	12	10	19	9.4
12	16	48	27	755	104	20	20	12	13	12	18	17
13	16	32	17	291	55	16	19	20	16	11	15	16
14	16	24	11	73	32	17	19	15	13	15	12	13
15	15	18	8.2	73	23	17	19	17	18	15	13	16
16	15	14	18	51	17	18	16	19	17	11	12	15
17	14	15	20	34	17	20	14	17	19	11	15	c 15
18	13	13	2060	22	18	19	15	22	13	14	15	100
19	12	14	880	15	18	17	16	19	12	16	14	27
20	13	13	132	15	14	17	16	19	13	17	13	20
21	14	13	55	16	18	19	18	12	17	16	10	17
22	14	11	53	16	20	14	20	8.2	17	19	12	18
23	15	10	60	15	12	19	18	12	17	19	12	19
24	16	11	62	15	19	63	13	11	20	15	13	18
25	17	11	60	15	18	777	17	14	17	17	11	15
26	17	10	55	15	15	171	18	15	13	17	13	18
27	17	8.8	53	17	13	84	19	14	17	17	10	22
28	17	6.3	58	20	18	51	18	12	17	17	9.4	15
29	18	6.3	55	263		34	18	8.2	16	18	8.2	19
30	19	7.5	46	76		28	18	9.4	16	17	11	16
31	20		37	49		30		8.8		15	10	
	489.0	2181.9	4495.8	4709.0	3849.0	1658.0	1508.0	485.6	439.0	467.0	433.6	551.6
MEAN	15.8	72.7	145.	152.	137.	53.5	50.3	15.7	14.6	15.1	14.0	18.4
ACRE-FEET	970.	4330.	8920.	9340.	7630.	3290.	2990.	963.	871.	926.	864.	1090.

Remarks:

YEAR OR PERIOD MEAN 58.3
ACRE-FEET 42180.

76D74M F. C. Dist. 32 8-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

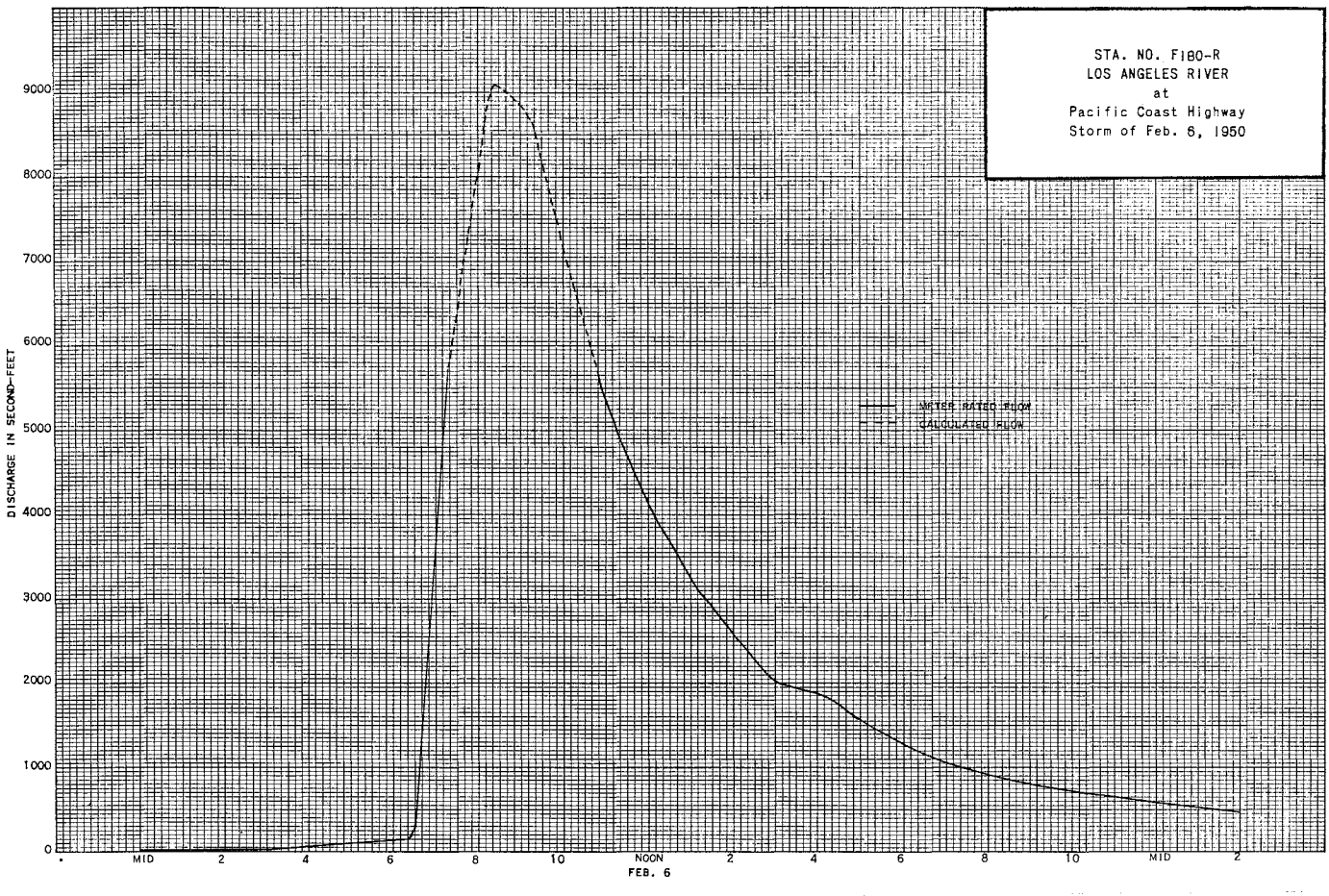
Sta. No. F180R

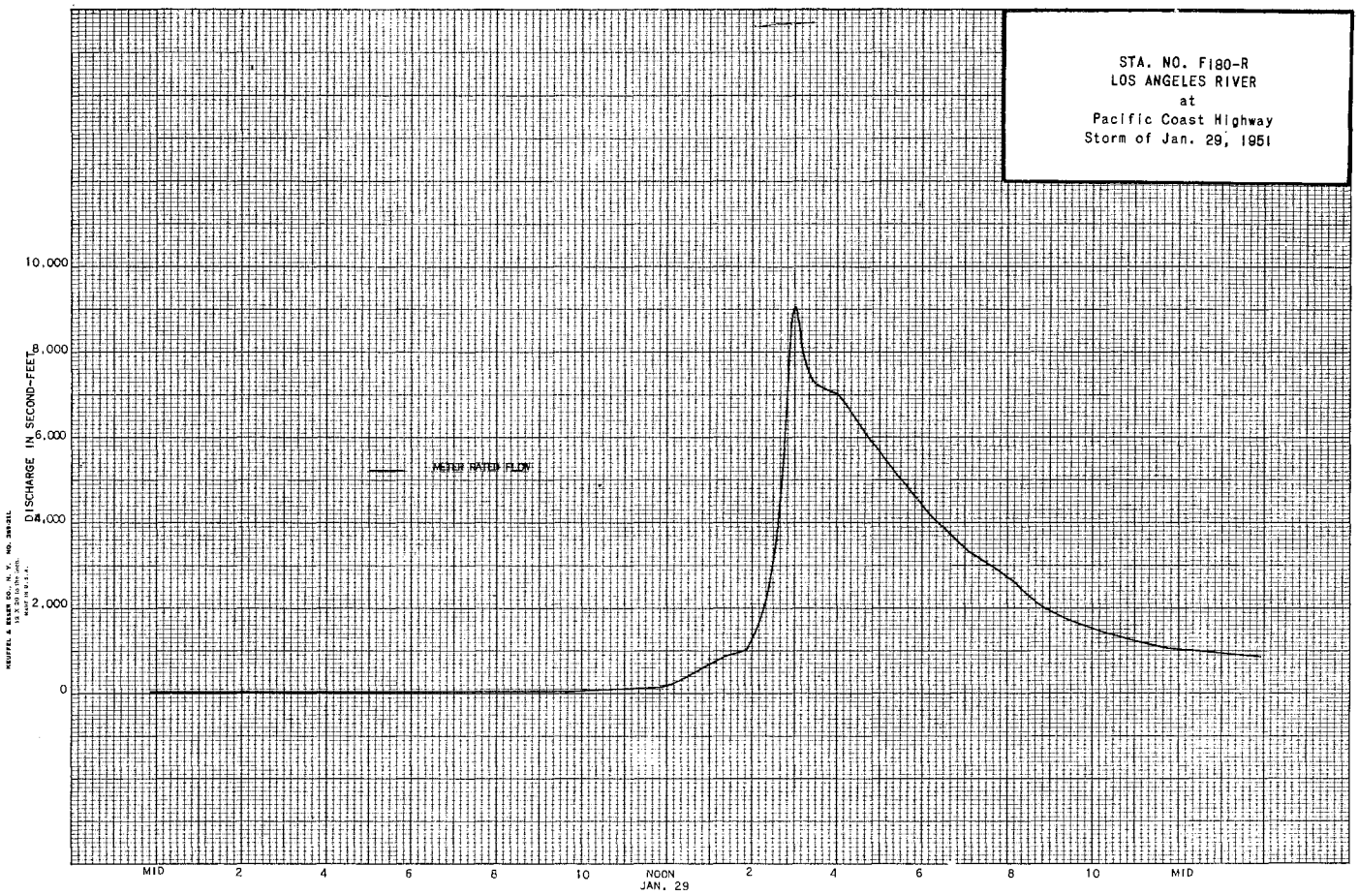
Daily discharge, in second-feet of LOS ANGELES RIVER at Pacific Coast Highway for the year ending September 30, 1951

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	13	10	b 14	b 22	46	607	b 22	53	b 12	b 14	b 13	b 12
2	12	11	13	b 24	b 43	169	b 22	48	12	14	13	12
3	11	11	12	26	40	b 30	b 22	b 36	12	13	13	11
4	11	12	11	28	37	30	1110	35	13	13	12	11
5	11	10	10	48	33	30	62	34	13	12	12	10
6	11	7.5	9.0	40	30	30	44	33	13	12	12	10
7	11	12	8.1	28	27	30	46	32	13	12	12	10
8	10	13	8.3	26	24	30	35	31	14	12	11	10
9	7.5	10	8.6	32	24	31	31	30	14	12	11	10
10	8.2	11	8.9	550	25	31	b 29	29	15	13	11	10
11	8.8	11	9.2	647	25	32	b 27	29	15	13	12	10
12	10	11	9.5	534	26	32	25	29	16	13	12	10
13	9.4	56	9.8	151	26	33	25	b 29	17	14	13	10
14	10	302	10	107	27	33	25	130	18	14	13	10
15	11	39	9.9	89	27	34	24	84	18	15	14	11
16	6.9	20	9.8	381	27	32	24	66	18	16	14	12
17	6.9	16	9.6	163	26	30	24	b 16	17	16	14	13
18	11	18	9.4	62	26	28	23	16	17	17	13	14
19	11	71	9.2	380	26	26	23	17	17	17	12	15
20	11	234	9.1	132	25	24	23	17	16	18	12	16
21	11	35	9.0	86	25	22	23	18	16	17	11	16
22	10	20	9.4	64	b 25	20	23	18	16	15	10	15
23	5.6	20	9.8	42	493	20	23	19	16	14	9.7	14
24	6.3	17	10	32	914	21	b 23	19	16	13	10	13
25	10	17	11	b 28	118	21	172	18	15	11	10	12
26	11	17	11	b 28	69	21	460	17	15	10	11	11
27	14	14	12	b 28	507	21	151	16	15	10	12	11
28	39	16	12	b 28	100	22	164	15	15	11	12	11
29	12	16	14	1610		22	807	14	15	11	13	11
30	8.8	15	16	506		22	143	13	b 14	12	b 13	b 12
31	8.8		b 19	163		b 22		b 12		b 12	13	
	338.2	331.6		2841.0		3655.0		453.0		373.7		
	1072.5			6105.0		1556.0		973.0		416.0		353.0
MEAN	10.9	35.8	10.7	197.	101.	50.2	122.	31.4	15.1	13.4	12.1	11.8
ACRE-FEET	671.	2130.	658.	12110.	5640.	3090.	7250.	1930.	899.	825.	741.	700.

Remarks:

YEAR OR PERIOD MEAN 50.6
ACRE-FEET 36,600





STATION F279-R

LOS CERRITOS CHANNEL above Anaheim Street

LOCATION: WATER-STAGE RECORDER, LAT. 33°47'23", LONG. 118°06'10", ON THE RIGHT (WEST) BANK 1200 FEET ABOVE ANAHEIM STREET. ELEVATION OF ZERO GAGE HEIGHT 4.50 FEET.

DRAINAGE AREA: 36.2 SQUARE MILES.

CHANNEL AND CONTROL: EXCAVATED TRAPEZOIDAL ADOBE 75 FEET WIDE AT TOP OF LEVEES, 55 FEET WIDE AT CHANNEL BOTTOM, 12 FEET DEEP. HEAVY GROWTH OF TULES DURING SUMMER MONTHS.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM PALO VERDE AVENUE BRIDGE, 7100 FEET ABOVE STATION.

RECORDER: INSTALLED JUNE 1, 1949 OVER AN 18-INCH CORRUGATED IRON PIPE STILLING WELL. AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1949 TO SEPTEMBER 30, 1951.

REGULATIONS AND/OR DIVERSIONS: NONE.

RECORDS AVAILABLE: LOS CERRITOS CHANNEL AT 7TH STREET. RECORDER RECORDS NOVEMBER 23, 1942 TO JUNE 1, 1949. PRESENT LOCATION JUNE 1, 1949 TO SEPTEMBER 30, 1951.

EXTREMES OF DISCHARGE:

1949-50
MAXIMUM 894 SECOND-FEET, FEBRUARY 6.
MINIMUM DRY PART OF SEASON.

1950-51
MAXIMUM 934 SECOND-FEET, JANUARY 29.
MINIMUM DRY PART OF SEASON.

ACCURACY: GOOD.

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

DISCHARGE MEASUREMENTS OF LOS CERRITOS CHANNEL

~~AT~~ NEAR above Anaheim Street DURING THE YEAR ENDING SEPTEMBER 30, 19 50

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION 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	11-10	1502 / 1514	BONADIMAN - JOHNSON	58.0	29.4	0.97	0.91	28.4		.6	6	-.02	FC19
2	11-11	1452 / 1460	BONADIMAN	26.0	1.68	0.35	0.27	0.59	FLOATS		6	0	
3	12-8	1332 / 1342	BONADIMAN - JOHNSON	10.0	3.95	1.39	0.41	5.5		.6	5	0	FC19
4	12-18	1838 / 1900	BONADIMAN - GEORGE	52.2	97.0	1.90	1.62	184.		.6	6	0	"
5	12-19	1510 / 1520	"	40.0	10.4	0.78	0.47	8.1		.5	6	0	"
6	1-9	0130 / 0140	"	47.8	60.0	1.70	1.09	102.		.6	7	-.02	"
7	1-9	1002 / 1015	"	40.0	8.79	1.00	0.80	8.8		.5	9	0	"
8	1-11	1457 / 1510	REINHARD - BONADIMAN	63.5	190.	3.27	3.41	622.		.6	8	-.07	"
9	1-11	1510 / 1522	"	63.5	156.	3.09	3.31	482.		.6	8	-.12	"
10	1-12	1650 / 1705	"	55.0	37.2	1.17	1.08	43.5		.6	12	-.02	"
11	2-6	0922 / 0932	BONADIMAN - GEORGE	63.5	187.	4.12	4.15	773.		.6	8	-.02	"
12	2-10	1420 / 1434	BONADIMAN	43.5	68.0	1.46	1.53	99.1		.6	10	-.02	"
13	2-11	1400 / 1410	"	34.0	6.28	0.60	0.36	3.8	SURF.		6	0	"
14	3-23	1512 / 1520	"	3.0	1.32	0.65	0.28	0.86		.6	5	0	"
15	3-24	2346 / 2400	BONADIMAN - GEORGE	58.3	75.7	1.99	1.59	151.		.6	9	+.02	"
16	3-25	1344 / 1352	BONADIMAN	36.0	8.46	0.80	0.44	6.8		.5	5	0	"
17	3-30	1450 / 1454	"	2.0	0.22	0.27	0.24	0.06		.5	2	0	"
18	5-18	1450 / 1456	"	4.5	1.41	1.06	0.30	1.5		.6	4	0	"
19	5-25	1446 / 1452	"	5.0	1.30	0.77	0.30	1.0		.6	4	0	"
20	6-8	1440 / 1444	"	4.0	1.00	0.39	0.26	0.39		.5	2	0	"
21	6-15	1534 / 1540	"	4.5	1.30	0.59	0.30	0.77		.5	4	0	"
22	6-29	1426 / 1432	"	1.6	0.40	0.85	0.27	0.34		.5	3	0	FC46
23	7-13	1452 / 1500	"	4.0	1.16	0.84	0.31	0.98		.5	4	0	FC19
24	7-20	1440 / 1446	"	3.5	1.19	0.43	0.26	0.51		.6	3	0	"

DISCHARGE MEASUREMENTS OF LOS CERRITOS CHANNEL

~~AT~~ NEAR 1200' above Anaheim Street DURING THE YEAR ENDING SEPTEMBER 30, 19 51

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
25	11-14	1342 / 1352	BONADIMAN	36.0	6.90	0.90	0.48	6.2		.5	7	0	FC19
26	12-28	1450 / 1456	"	4.5	1.86	1.18	0.34	2.2		.6	5	0	"
27	1-10	1612 / 1626	"	44.8	83.2	1.04	1.47	86.9		.6	9	+.04	"
28	1-11	1442 / 1450	"	28.0	4.09	0.49	0.41	2.0		.5	6	0	"
29	1-16	1200 / 1218	"	54.6	175.	0.65	1.69	114.		.6	9	-.06	"
30	1-19	0932 / 0946	HOLLERON-BONADIMAN	61.0	38.6	0.78	1.08	30.1		.6	9	0	"
31	1-29	1732 / 1738	BONADIMAN-WOOD	46.2	178.	2.02	2.36	359.		.6	5	-.05	"
32	2-8	1500 / 1506	BONADIMAN	3.0	0.60	2.00	0.27	1.2		.5	4	0	"
33	2-23	1308 / 1320	"	43.5	154.	0.63	1.45	96.7		.6	7	-.04	"
34	2-24	1432 / 1442	"	60.0	56.6	0.96	1.48	54.4		.6	8	-.04	"
35	3-1	1306 / 1322	"	56.6	189.	1.00	1.88	189.		.6	7	+.05	"
36	4-5	1408 / 1412	"	28.0	4.80	0.88	0.42	4.2		.5	6	0	"
37	4-25	1610 / 1616	"	46.1	77.3	0.32		25.0		.6	5	0	"
38	4-26	1452 / 1502	"	43.0	15.6	0.52	0.68	8.1		.6	8	0	"
39	4-28	2355 / 0007	BONADIMAN-HOLLERON	53.9	200.	1.08	1.98	216.		.6	9	+.15	"
40	5-17	1514 / 1520	BONADIMAN	28.0	4.76	0.52	0.42	2.5		.5	5	0	"
41	8-2	1500 / 1504	"	3.0	0.78	0.95	0.33	0.74		.5	3	0	"
42	8-30	1532 / 1536	"	4.0	1.36	0.54		0.74		.6	4	0	"

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F279B

Daily discharge, in second-feet of LOS CERRITOS CHANNEL above Anaheim Street, for the year ending September 30, 19 50

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0.4	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0.4	0.4	0	0
3	0	0	0	0	0	0	0	0	0.4	0.4	0	0
4	0	0	0	0	0	0	0	0	0	0.1	0	0
5	0	0	0	0	0	0	0	0.3	0.3	0	0	0
6	0	0	0	0	247	0	0	0.3	0.3	0	0	0
7	0	0	0	0	17	0	0	0	0.3	0	0	0
8	0	0	19	78	+	0	0	0	0.3	0	0	0
9	0	0	3.2	27	+	0	11	0	0.4	0	0	0
10	0	21	0.6	0.4	37	0	0.9	0	0.3	0	0	0
11	0	1.4	0.3	37	12	0	0.8	0	0.3	0.8	0	0
12	0	0.6	0	40	0	0	0.1	0	0.1	1.0	0	0
13	0	0.3	0	11	0	0	0.1	1.0	0.4	1.0	0	0
14	0	0.2	0	4.6	0	0	0	1.0	0.1	1.0	0	0
15	0	0.2	0	2.5	0	0	0	0	0.3	0.9	0	0
16	0	0.2	0	1.4	0.	0	0	1.4	0.8	0.9	0	0
17	0	0.2	0	0.6	0	0	0	0.9	0.1	0.4	0	0
18	0	0	145	0	0	0	0	1.2	0.4	0.6	0	0
19	0	0	75	0	0	0	0	1.4	0	0.3	0	0
20	0	0	2.9	0	0	0	0	0.6	0.1	0.4	0	0
21	0	0	0.6	0	0	0	0.1	0.4	0.1	0.3	0	0
22	0	0	0	0	0	2.2	0.3	0.8	0	0.3	0	0
23	0	0	0	0	0	1.8	0.1	0.8	0	0.3	0	0
24	0	0	0	0	0	7.2	0	1.0	0.1	0	0	0
25	0	0	0	0	0	33	0.3	1.0	0	0	0	0
26	0	0	0	0	0	0.9	0.1	0.9	0	0	0	0
27	0	0	0	0	0	0.3	0	0.9	0	0	0	0
28	0	0	0	1.1	0	0.3	0.8	0.3	0	0	0	0
29	0	0	0	27		0.9	0.4	0.1	0.3	0	0	0
30	0	0	0	2.5		0.1	0.3	0.9	0.1	0	0	0
31	0		0	0		0.9		0.8		0	0	
	0	24.1	246.6	283.1	313.0	47.6	15.7	16.0	5.9	9.1	0	0
MEAN	0	0.78	7.9	9.1	11.2	1.54	0.52	0.52	0.20	0.29	0	0
ACRE-FEET	0	48.	489.	556.	620.	94.	31.	32.	12.	18.	0	0

Remarks:

YEAR OR PERIOD MEAN 2.63
ACRE-FEET 1,900.

76D74M F. C. Dist. 52 9-52

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F279B-R

Daily discharge, in second-feet of LOS CERRITOS CHANNEL 1200 feet above Anaheim Street, for the year ending September 30, 19 51

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0.6	0	4.2	66	0.3	1.2	0	0.3	0.4	+
2	0	0.3	0.4	0	3.2	13	0.2	0.6	0	0.3	0.7	0
3	0	2.2	0.2	0	2.2	1.2	0.4	0.8	0	0.3	0.3	0
4	0	1.2	0.2	0	1.8	0.3	108	0.6	0	0.6	0	0
5	0	+	0.3	0	1.5	0.4	8.9	0.4	0	0.9	0	0
6	0	0	0.2	0	9.8	0.4	5.4	0.4	0	0.4	0	0
7	0	0	0.2	0	2.5	0.3	2.5	0.4	0	0.2	0	0
8	0	0	0	0	1.4	0.2	1.4	0.3	0	0.2	0	0
9	0	0	0	0	1.2	0.4	1.0	0.4	0	0.2	0	0
10	0	0	0	2.6	1.4	0.4	0.6	0.6	0	+	0	0
11	0	0	0	15	1.0	0.3	0.8	0.4	0	+	0	0
12	0	0	0	11	0.8	+	0.8	0.4	0	+	0	0
13	0	30	0	0.8	0.4	0.2	0.4	0	0	0.2	0	0
14	0	21	0.3	0.4	0.3	0.2	0.2	0	0	0	0	0
15	0	0.9	0.3	0.2	0.2	0.4	0.3	1.0	0	0	0	0
16	0	0.3	0.2	36	0.4	0.4	0.2	1.5	0	0.2	0	0
17	0	0	0	1.8	0.3	0.3	0.2	1.5	0	0.6	0	0
18	0	0	0	+	0.3	0.2	+	0.9	+	0.4	0	0
19	0	1.0	0.3	10	0.2	0	0.2	1.0	0.9	0.4	0	0
20	0	9.3	0.4	1.2	0.3	0.6	0.4	0.9	0.3	0.4	0	0
21	0	1.2	0.4	0	0.4	0.4	0.3	0.9	+	0.6	0	0
22	0	0.8	0	1.2	0.6	0.4	0.6	0.8	0.2	0.4	0	0
23	0	0.3	0	0.3	116	0.2	0.4	0.8	1.2	0.2	0	0
24	0	+	0	0.3	46	0.2	0.3	0.9	0.2	0	0	0
25	0	0	0	0.2	3.2	0.2	23	0.4	0.2	0	+	0
26	0	0	0	0.2	14	0.2	28	0.2	0.2	0	0.2	0
27	0	0.2	+	0.2	60	0.2	2.5	0.2	0.2	0.3	0	0
28	0	0.6	2.9	0.2	3.5	0.2	8.0	0.2	0.2	0.2	0	0
29	0	0.6	2.5	161		0.3	103	+	0.4	0	0.3	0
30	0	0.6	0.8	29		0.3	6.9	+	0.6	0	0.6	0
31	0		0	5.9		0.2		0		0.4	0.3	
	0	70.5	10.2	300.9	277.1	108.0	305.2	17.7	4.6	7.7	2.8	+
MEAN	0	2.35	0.33	9.71	9.89	3.48	10.2	0.57	0.15	0.25	0.09	+
ACRE-FEET	0	140.	20.	597.	550.	214.	605.	35.	9.1	15.	5.6	+

Remarks: + = 0.05 c.f.s. or less.

YEAR OR PERIOD MEAN 3.03
ACRE-FEET 2190.

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, 430.51 FEET.

DRAINAGE AREA: 103 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - COARSE SAND AND GRAVEL LINED WITH BRUSH AND TREES. COMMUNICATION THROUGH 31 FEET OF 8-INCH DIAMETER IRON PIPE.

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

RECORDER: INSTALLED JANUARY 17, 1931 OVER AN 18-INCH DIAMETER, CORRUGATED IRON PIPE STILLING WELL. AN AU CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1949 TO SEPTEMBER 30, 1951.

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, 1951.

EXTREMES OF DISCHARGE:

1949-50
MAXIMUM 674, SECOND-FEET, FEBRUARY 6.
MINIMUM NO FLOW AT VARIOUS TIMES.

1950-51
MAXIMUM 2.9 SECOND-FEET, JANUARY 11.
MINIMUM NO FLOW AT VARIOUS TIMES.

1931-51
MAXIMUM 12,240 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 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, 1950

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
494	12-19	1625 / 1635	REINHARD - BOLLINGER	6.5	2.65	0.19	4.38	0.51		.6	6	0	FC6
495	12-29	1608 / 1613	BOLLINGER	1.0	0.25	0.40	4.23	0.10		FLOATS	2	0	
496	1-12	1805 / 1811	BOLLINGER - SPENCER	11.0	3.29	0.33	4.40	1.1		.6	5	0	FC6
497	1-17	1201 / 1206	BOLLINGER	1.6	0.80	0.72	4.34	0.58		.6	2	0	"
498	1-26	1646 / 1651	"	2.0	0.99	0.81	4.34	0.80		.5	2	0	"
499	2-2	1655 / 1700	"	1.6	0.86	0.96	4.36	0.83		.6	2	0	"
500	2-6	1725 / 1736	BOLLINGER - SPENCER	23.5	12.0	1.56	4.75	18.7		.6	10	-.01	"
501	2-9	1540 / 1552	BOLLINGER	15.2	5.58	0.34	4.43	1.9		.6	10	0	"
502	2-16	1618 / 1626	"	15.0	5.28	0.32	4.43	1.7		.6	6	0	"
503	2-23	1620 / 1626	"	9.5	1.98	0.56	4.43	1.1		.6	7	0	"
504	3-3	1053 / 1102	"	9.5	2.17	0.51	4.43	1.1		.6	6	0	"
505	3-9	1607 / 1615	"	8.0	2.33	0.43	4.43	1.0		.6	7	0	"
506	3-16	0914 / 0923	"	8.0	2.11	0.42	4.44	0.89		.6	7	0	"
507	3-22	1506 / 1511	"	TWO CHANNELS			4.42	0.87		.6	2	0	"
508	3-29	1242 / 1252	"	7.2	2.30	0.37	4.44	0.86		.6	7	0	"
509	4-6	1615 / 1623	"	7.5	2.66	0.25	4.43	0.67		.6	5	0	"
510	4-13	1657 / 705	"	7.3	2.98	0.30	4.48	0.97		.5	6	0	"
511	4-20	1643 / 1653	"	7.0	2.72	0.44	4.51	1.2		.6	6	0	"
512	4-27	1618 / 1625	"	6.8	2.56	0.34	4.50	0.86		.6	5	0	"
513	5-4	1349 / 1351	"	7.0	2.78	0.43	4.48	1.2		.6	7	0	"
514	5-11	1305 / 1312	"	5.2	2.04	0.36	4.45	0.73		.6	6	0	"
515	5-18	1248 / 1300	"	6.8	1.86	0.33	4.42	0.62		.6	8	0	"
516	5-25	1236 / 1248	"	5.7	1.53	0.41	4.43	0.62		.6	6	0	"
517	6-1	1054 / 1100	BLAKELY	3.5	0.79	0.56	4.41	0.44		.5	5	0	FC35
518	6-15	1145 / 1154	BOLLINGER	4.0	1.05	0.37	4.29	0.39		.6	6	0	FC6
519	6-29	1640 / 1645	"	3.0	0.62	0.31	4.24	0.19		.5	3	0	"
520	7-13	1202 / 1206	"	3.5	0.66	0.42	4.10	0.28		FLOATS	3	0	
521	7-28	0954 / 0957	TURNER	1.6	0.26	0.58	4.02	0.15		FLOATS	1	0	
522	8-3	1459 / 1502	LANG - TURNER	1.3	0.15	0.33	3.98	0.05		.5	3	0	FC43
523	8-17	1620 / 1625	BOLLINGER	1.6	0.31	0.39	3.92	0.12		.6	2	0	FC6
524	8-31	1640 / 1645	"	1.5	0.28	0.54	3.93	0.15		.5	2	0	"
525	9-20	1508 / 1513	"	1.2	0.22	0.50	4.16	0.11		FLOATS	2	0	
526	9-29	1628 / 1634		1.5	0.24	0.42	4.16	0.10		FLOATS	2	0	

DISCHARGE MEASUREMENTS OF MALIBU CREEK

AT ~~NEAR~~ Crater Camp

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MI VELI FT.PE
527	10-11	1043 / 1046	LANG	1.4	0.16	0.
528	10-26	1550 / 1555	BOLLINGER-THOMAS	1.5	0.28	0
529	11-15	1348 / 352	BOLLINGER-SPENCER	1.5	0.19	0
530	12-7	1626 / 631	BOLLINGER	1.2	0.19	0.
531	12-28	1040 / 1045	BOLLINGER-THOMAS	1.2	0.16	0.
532	1-12	1613 / 1618	BOLLINGER	1.3	0.31	0.
533	1-18	1545 / 600	"	1.5	0.34	0.
534	2-1	1555 / 559	"	0.7	0.21	1.
535	2-15	1613 / 1618	"	1.2	0.21	0.
536	3-1	1557 / 600	BOLLINGER-THOMAS	1.0	0.27	0.
537	3-15	1627 / 1630	BOLLINGER	0.7	0.19	0.
538	3-22	1635 / 1638	"	0.7	0.18	0.
539	4-5	1620 / 1626	"	0.9	0.17	0.
540	4-26	1637 / 1642	"	1.0	0.17	0.
541	5-10	1124 / 1128	"	1.0	0.23	0.
542	5-24	1627 / 1631	"	1.1	0.22	0.
543	6-7	1635 / 1640	"	1.0	0.19	0.
544	6-14	1636 / 1641	"	1.0	0.15	0.
545	6-26	1600 / 1604	"	1.0	0.10	0.

F. C. Dist. Form 52 4-48

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F130R

Daily discharge, in second-feet of MALIBU CREEK at Crater Camp, for the year ending September 30, 19 50

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.01	0	a 0.02	0.1	0.8	1.2	0.7	0.9	0.5	0.2	0.1	0.2
2	0.01	0	0.02	0.1	0.8	1.2	0.7	0.9	0.5	0.2	0.04	0.2
3	0.01	0	a 0.02	0.1	0.8	1.2	0.7	1.0	0.4	0.2	0.04	0.2
4	0.01	0	0.02	0.1	0.8	1.2	0.7	1.2	0.4	0.2	0.06	0.1
5	0.02	0	0.02	0.1	1.0	1.2	0.7	1.3	0.4	0.2	0.04	0.2
6	0.02	0	0.02	a 0.1	64	1.2	0.7	1.3	0.4	0.2	0.04	0.2
7	0.02	0	0.02	a 0.1	35	1.0	0.7	1.2	0.4	0.2	0.04	0.3
8	0.01	0	1.0	a 1.5	2.4	1.0	1.3	0.9	0.5	0.2	0.03	0.2
9	0.01	0.1	0.3	0.2	2.0	1.0	2.7	0.8	0.6	0.2	0.02	0.2
10	0.01	0.6	0.2	0.2	2.0	1.0	1.6	0.8	0.6	0.2	0.03	0.2
11	0.01	0.03	0.05	0.6	2.0	0.9	1.3	0.7	0.6	0.2	0.03	0.2
12	+	0.02	0.05	1.0	1.8	0.9	1.0	0.7	0.5	0.2	0.03	0.2
13	+	0.02	0.04	a 1.0	1.8	0.9	1.0	0.6	0.5	0.3	0.1	0.1
14	+	0.02	0.04	a 0.9	1.8	0.8	1.0	0.6	0.4	0.4	0.1	0.1
15	+	0.02	a 0.03	0.6	1.8	0.8	1.0	0.7	0.4	0.4	0.1	0.1
16	0.01	0.02	0.03	0.6	1.8	0.8	0.9	0.8	0.4	0.4	0.1	0.1
17	0.01	0.01	0.03	0.6	1.6	0.8	0.9	0.8	0.3	0.5	0.1	0.1
18	0.01	0.01	1.0	0.6	1.5	0.8	0.9	0.6	0.2	0.4	0.1	0.1
19	0.01	a 0.01	0.3	0.6	1.5	0.8	1.0	0.7	0.2	0.4	0.1	0.1
20	0.01	0.01	a 0.1	0.6	1.4	0.8	1.2	a 0.7	0.2	0.4	0.1	0.1
21	0.01	0.01	0.1	0.6	1.4	0.9	1.2	0.6	0.3	0.3	0.1	0.2
22	0.01	0.01	0.1	0.6	1.3	0.9	1.2	0.6	0.3	0.2	0.1	0.2
23	0.01	0.01	0.1	0.7	1.2	1.0	1.2	0.6	0.2	0.2	0.2	0.1
24	b 0.01	0.01	0.1	0.7	1.2	2.2	1.0	0.6	0.2	0.2	0.2	0.1
25	b 0.01	0.01	0.1	0.7	1.2	1.6	0.9	a 0.5	0.2	0.2	0.2	0.1
26	0.01	0.02	0.1	0.8	1.2	1.3	0.9	0.5	0.2	0.2	0.2	0.1
27	0.01	0.02	0.1	0.8	1.2	1.0	0.9	0.4	0.3	0.2	0.2	0.1
28	0.01	0.02	0.1	1.2	1.2	0.9	0.9	0.5	0.2	0.1	0.2	0.1
29	+	0.02	a 0.1	1.3		0.9	0.9	0.6	0.2	0.1	0.2	0.1
30	0	a 0.02	0.1	1.0		0.8	0.9	0.4	0.2	0.1	0.1	0.1
31	0		0.1	0.8		0.8		0.4		0.1	0.1	
	0.27	1.02	4.41	19.1	105.0	31.8	30.7	22.9	10.7	7.5	3.10	4.4
MEAN	.009	.034	.142	0.62	3.75	1.03	1.02	0.74	0.36	0.24	0.10	0.15
ACRE-FEET	0.5	2.0	8.7	38.	208.	63.	61.	45.	21.	15.	6.1	8.7

Remarks: + = less than 0.01 c.f.s.

YEAR OR PERIOD MEAN 0.66
ACRE-FEET 477.

76D74M F. C. Dist. 52 9-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

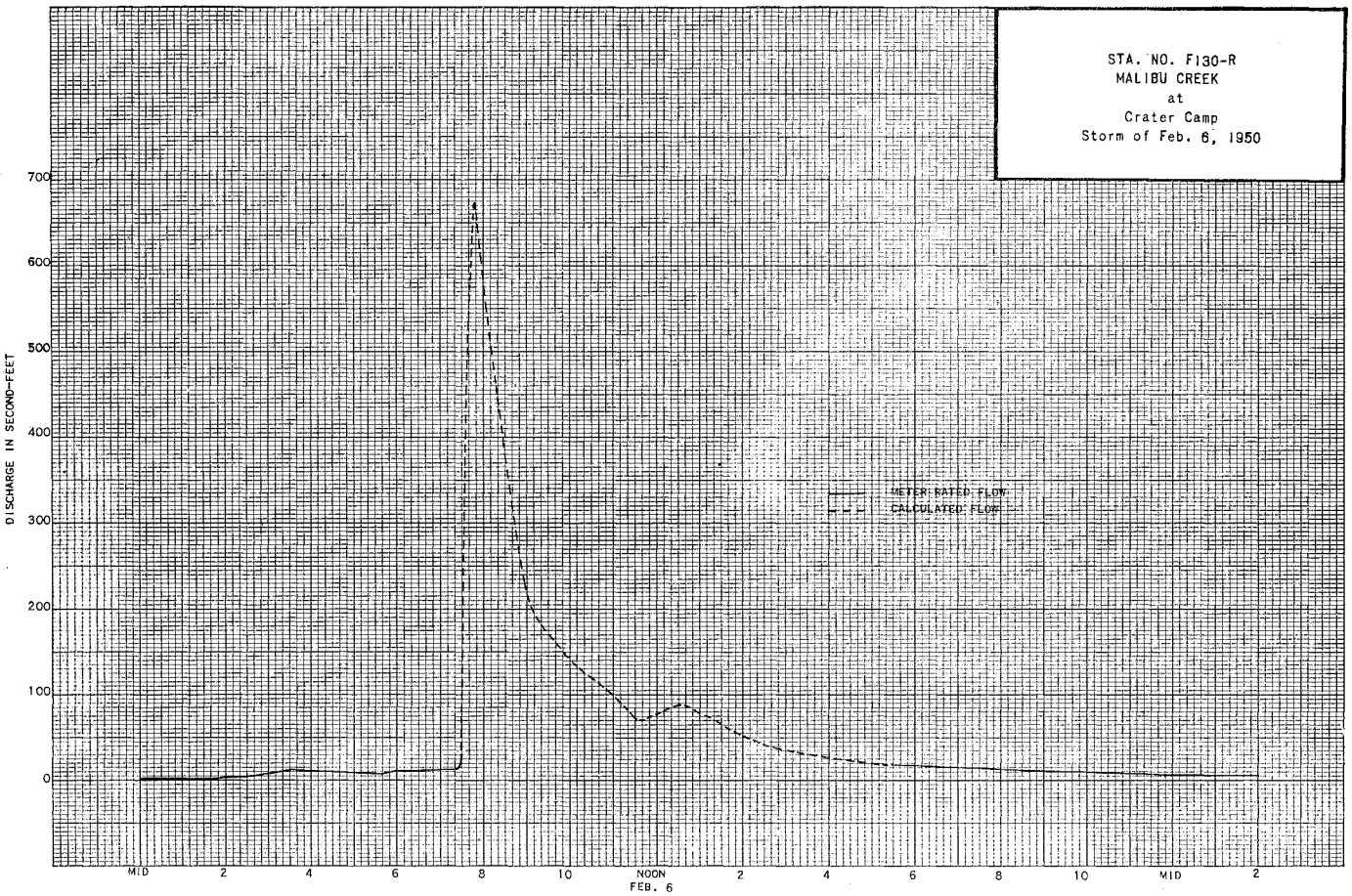
Sta. No. F130-R

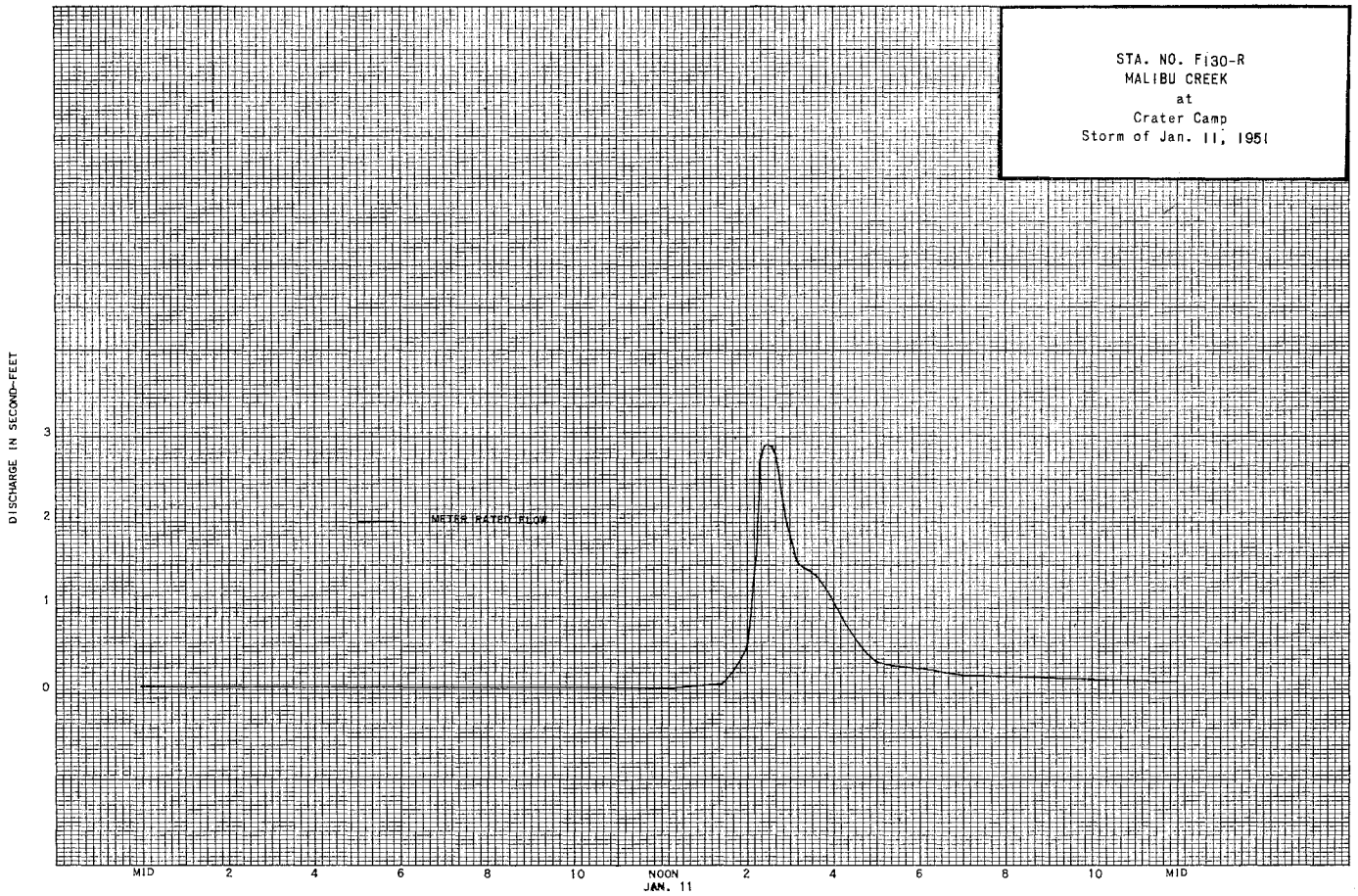
Daily discharge, in second-feet of MALIBU CREEK at Crater Camp, for the year ending September 30, 19 51

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.1	0.06	0.1	0.08	0.2	0.3	0.08	0.1	0.1	0.04	+	0
2	0.1	0.04	0.1	0.08	0.2	0.2	0.08	0.1	0.06	0.04		0
3	0.1	0.04	0.1	0.08	0.2	0.2	0.08	0.1	0.08	0.04		0
4	0.1	0.04	0.1	0.08	0.2	0.2	0.1	0.1	0.08	0.04		0
5	0.1	0.04	0.1	0.08	0.2	0.2	0.1	0.1	0.08	0.04		0
6	0.1	0.06	0.08	0.08	0.2	0.2	0.1	0.1	0.08	0.04		0
7	0.1	0.06	0.08	0.06	0.2	0.1	0.1	0.1	0.08	0.04		0
8	0.1	0.06	0.08	0.06	0.2	0.1	0.1	0.1	0.08	0.03		0
9	0.1	0.06	0.08	0.04	0.1	0.1	0.1	0.1	0.1	0.03		0
10	0.1	0.04	0.06	0.1 a	0.1	0.1	0.1	0.2	0.1	0.02		0
11	0.1	0.04	0.08	0.3	0.1	0.1	0.08	0.2	0.1	0.02		0
12	0.1	0.06	0.08	0.1	0.1 a	0.1	0.08	0.2	0.1	0.02		0
13	0.1	0.1	0.08	0.08	0.1	0.1	0.06	0.1	0.1	0.02		0
14	0.1	0.1	0.08	0.08 a	0.1	0.1	0.08	0.1	0.08	0.02		0
15	0.1	0.1	0.08	0.08	0.1 a	0.1	0.08	0.1	0.1	0.01		0
16	0.1	0.1	0.08	0.06	0.1	0.1	0.08	0.1	0.1	0.01		0
17	0.1	0.1	0.08	0.06	0.1	0.1	0.08	0.1	0.1	+		0
18	0.1	0.1	0.08	0.08	0.1	0.1	0.08	0.1	0.1			0
19	0.1	0.1	0.08	0.1	0.1	0.08	0.08	0.1	0.1		+	0
20	0.1	0.1	0.08	0.1	0.1	0.08	0.08	0.1	0.1		0	0
21	0.1	0.1	0.08	0.1	0.2	0.08	0.08	0.1	0.1		0	0
22	0.1	0.1	0.08	0.1	0.2	0.1	0.08	0.1	0.1		0	0
23	0.1	0.1	0.06	0.1	0.2	0.1	0.08	0.1	0.1		0	0
24	0.1	0.1	0.06	0.08	0.2	0.08	0.06	0.1	0.1		0	0
25	0.1	0.1	0.06	0.08	0.2	0.06	0.1	0.1	0.08		0	0
26	0.1	0.1	0.06	0.08	0.2	0.06	0.1	0.1	0.08		0	0
27	0.1	0.1	0.06	0.1	0.2	0.06	0.1	0.1	0.06		0	0
28	0.1	0.1	0.06	0.1	0.2	0.06	0.3	0.1	0.04		0	0
29	0.1	0.1	0.06	0.3		0.08	0.2	0.08	0.04		0	0
30	0.08	0.1	0.06	0.2		0.08	0.2	0.06	0.04		0	0
31	0.06		0.08	0.2		0.08		0.06		+	0	
	3.04	2.40	2.42	3.24	4.4	3.50	3.04	3.30	2.56	0.46	+	0
MEAN	.098	.080	.078	.105	.157	.113	.101	.106	.085	.015	+	0
ACRE-FEET	6.0	4.8	4.8	6.4	8.7	6.9	6.0	6.5	5.1	0.9	+	0

Remarks: + = less than 0.01 c.f.s.

YEAR OR PERIOD MEAN .078
ACRE-FEET 56.


STA. NO. F130-R
MALIBU CREEK
at
Crater Camp
Storm of Feb. 6, 1950
METER RATED FLOW
CALCULATED FLOW
DISCHARGE IN SECOND-FEET
700
600
500
400
300
200
100
0
MID
2
4
6
8
10
NOON
2
4
6
8
10
MID
2
FEB. 6


STA. NO. F130-R
MALIBU CREEK
at
Crater Camp
Storm of Jan. 11, 1951
METER RATED FLOW
DISCHARGE IN SECOND-FEET
3
2
1
0
MID
2
4
6
8
10
NOON
2
4
6
8
10
MID
JAN. 11

STATION F83-R

MISSION CREEK at San Gabriel Blvd.

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 GAGE ABOUT 193 FEET.

DRAINAGE AREA: ABOUT 6 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 APPROXIMATELY 400 FEET BELOW 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, 1949 TO SEPTEMBER 30, 1951.

REGULATION: SOME WATER PUMPED JUST DOWNSTREAM FROM BRIDGE.

DIVERSIONS: NONE.

RECORDS AVAILABLE: RECORDER RECORDS JUNE 14, 1930 TO SEPTEMBER 30, 1951. SOME WEEKLY STREAM FLOW MEASUREMENTS WERE TAKEN PRIOR TO INSTALLATION OF RECORDER.

EXTREMES OF DISCHARGE:

1949-50
MAXIMUM 26. SECOND-FEET, JANUARY 8.
MINIMUM 7.5 SECOND-FEET, AUGUST 9.

1950-51
MAXIMUM 13. SECOND-FEET, JANUARY 29.
MINIMUM 5.2 SECOND-FEET, AUGUST 2.

1930-1951
MAXIMUM DISCHARGE NOT DETERMINED, MARCH 2, 1938.
MAXIMUM DISCHARGE OF RECORD, 336 SECOND-FEET, FEBRUARY 22, 1944.
MINIMUM 4.8 SECOND-FEET, OCTOBER 4, 1934.

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 OR NEAR San Gabriel Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 19 50

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.
695	10-6	0952 / 1003	WADDICOR - LINDSAY	12.8	6.58	1.75	6.08	11.5		.6	9	0	FC37
696	10-13	0840 / 0850	WADDICOR	12.3	6.71	1.77	6.08	11.9		.6	7	0	"
697	10-20	0900 / 0910	"	12.7	7.39	1.77	6.07	13.1		.6	8	0	"
698	10-27	0830 / 0842	"	12.3	6.90	1.83	6.07	12.6		.6	7	0	"
699	11-3	0847 / 0857	"	12.5	7.12	1.80	6.08	12.8		.6	8	0	"
700	11-17	0930 / 0940	"	12.9	7.15	1.82	6.08	13.0		.6	8	0	"
701	11-23	0922 / 0932	"	12.7	7.03	1.86	6.08	13.1		.6	9	0	"
702	12-1	0905 / 0915	"	12.7	7.11	1.72	6.08	12.2		.6	8	0	"
703	12-15	0937 / 0949	SPENCER - WADDICOR	13.0	7.35	1.84	6.08	13.5		.6	10	0	"
704	12-22	0918 / 0935	REINHARD - WADDICOR	12.9	7.61	1.85	6.12	14.1		.6	12	0	"
705	12-29	0912 / 0922	WADDICOR	13.2	8.04	1.81	6.09	14.5		.6	9	0	"
706	1-5	0912 / 0922	"	13.2	8.05	1.89	6.09	15.2		.6	9	0	"
707	1-12	0940 / 0950	WADDICOR - PAYNE	13.0	8.17	1.91	6.14	15.6		.6	9	0	"
708	1-19	0922 / 0932	WADDICOR	12.9	7.47	1.86	6.11	13.9		.6	8	0	"
709	1-26	0900 / 0910	"	12.6	7.55	1.95	6.11	14.7		.6	9	0	"
710	2-2	0910 / 0920	"	12.6	7.86	1.87	6.12	14.7		.6	8	0	"
711	2-9	0915 / 0925	"	13.0	8.10	1.98	6.13	16.0		.6	9	0	"
712	2-16	0924 / 0934	"	12.9	7.74	1.82	6.11	14.1		.6	9	0	"
713	2-23	0835 / 0845	"	12.5	7.40	1.93	6.10	14.3		.6	8	0	"
714	3-2	0923 / 0933	WADDICOR - BROWN	13.0	7.34	1.91	6.07	14.0		.6	10	0	"
715	3-9	0905 / 0915	WADDICOR	12.9	7.45	1.85	6.07	13.8		.6	9	0	"
716	3-16	0913 / 0923	"	12.5	7.48	1.87	6.06	14.0		.6	9	0	"
717	3-23	0911 / 0921	"	12.5	7.30	1.85	6.06	13.5		.6	9	0	"
718	3-30	0857 / 0907	"	12.7	7.59	1.87	6.06	14.2		.6	9	0	"
719	4-6	0905 / 0915	"	12.7	7.47	1.80	6.04	13.4		.6	9	0	"
720	4-13	0907 / 0917	"	12.5	7.41	1.82	6.03	13.5		.6	10	0	"
721	4-20	0902 / 0912	"	12.2	7.13	1.88	6.04	13.4		.6	9	0	"
722	4-27	0849 / 0859	WADDICOR - ISOM	12.5	7.20	1.92	6.05	13.8		.6	9	0	"
723	5-4	0922 / 0932	WADDICOR	12.5	7.22	1.91	6.01	13.8		.6	9	0	"
724	5-11	0905 / 0915	"	12.3	6.96	1.85	6.01	12.9		.6	9	0	"
725	5-17	0930 / 0942	BONADIMAN	13.0	7.33	1.47	5.99	10.8		.6	9	0	FC46
726	5-24	0816 / 0828	"	13.0	7.75	1.39	5.98	10.8		.6	9	0	"
727	5-31	0848 / 0858	"	13.0	7.10	1.50	5.97	10.6		.6	8	0	"
728	6-7	0844 / 0854	"	12.5	7.01	1.55	5.98	10.9		.6	8	0	"
729	6-14	0815 / 0831	"	13.0	7.10	1.48	5.97	10.5		.6	9	0	"
730	6-21	0816 / 0826	"	13.0	7.08	1.47	5.96	10.4		.6	10	0	"
731	6-28	0836 / 0848	"	12.0	6.67	1.47	5.95	9.8		.6	8	0	"
732	7-5	0846 / 0858	"	13.0	6.82	1.35	5.93	9.2		.6	9	0	"
733	7-12	0814 / 0826	"	12.5	6.40	1.48	5.92	9.5		.6	9	0	"
734	7-19	0810 / 0824	"	12.5	6.74	1.44	5.92	9.7		.6	9	0	"
735	7-26	0828 / 0842	"	12.0	6.31	1.39	5.89	8.8		.6	9	0	"
736	8-2	0848 / 0859	"	13.0	6.13	1.45	5.90	8.9		.6	9	0	"
737	8-9	0742 / 0756	"	12.0	5.88	1.28	5.88	7.5		.6	7	0	FC19
738	8-16	0835 / 0845		13.0	6.22	1.33	5.87	8.3		.6	8	0	FC46
739	8-23	0837 / 0849		12.5	5.67	1.46	5.86	8.3		.6	9	0	FC19
740	8-30	0851 / 0901	"	12.5	6.34	1.45	5.89	9.2		.6	7	0	"
741	9-6	0900 / 0910	WADDICOR	11.4	5.26	1.58	5.88	8.3		.6	8	0	FC37
742	9-13	0848 / 0858	"	11.6	5.52	1.68	5.90	9.3		.6	8	0	"
743	9-20	0918 / 0928	"	11.3	5.60	1.59	5.88	8.9		.6	8	0	"
744	9-27	0841 / 0852	BONADIMAN	12.5	6.18	1.41	5.89	8.7		.6	8	0	FC19

DISCHARGE MEASUREMENTS OF MISSION CREEK

AT San Gabriel Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 19 51

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
745	10-4	0909 / 0920	BONADIMAN	14.0	5.97	1.46	5.89	9.7		.6	8	0	FC19
746	10-11	0900 / 0916	THOMAS-BONADIMAN	12.5	6.24	1.46	5.88	9.0		.6	9	0	"
747	10-18	0908 / 0918	BONADIMAN	12.5	6.30	1.46	5.88	9.2		.6	9	0	FC46
748	10-25	0834 / 0846	"	12.0	6.25	1.49	5.88	9.3		.6	10	0	"
749	11-2	0900 / 0910	WADDICOR	12.0	5.94	1.87	5.89	11.1		.6	9	0	FC37
750	11-9	0852 / 0904	"	11.4	5.69	1.78	5.90	10.1		.6	10	0	"
751	11-16	0908 / 0918	"	11.7	6.01	1.73	5.90	10.4		.6	9	0	"
752	11-24	0907 / 0917	"	12.0	6.51	1.78	5.91	11.6		.6	9	0	"
753	11-30	0921 / 0931	"	12.0	6.03	1.81	5.92	10.9		.6	9	0	"
754	12-7	0840 / 0850	"	12.0	5.53	1.88	5.89	10.4		.6	8	0	"
755	12-14	0920 / 0930	"	12.9	6.92	1.85	5.89	12.8		.6	9	0	"
756	12-21	0905 / 0915	"	12.0	6.05	1.85	5.90	11.2		.6	9	0	"
757	12-28	0906 / 0916	"	11.6	6.01	1.93	5.92	11.6		.6	9	0	"
758	1-4	0855 / 0905	"	11.9	5.98	1.77	5.93	10.6		.6	9	0	"
759	1-11	1044 / 1054	"	12.0	6.44	1.86	5.92	12.0		.6	9	0	"
760	1-18	1110 / 1122	WADDICOR-VAN BUREN	12.0	6.46	1.96	5.89	12.7		.6	8	0	"
761	1-25	0901 / 0912	WADDICOR	11.8	6.24	1.94	5.92	12.1		.6	9	0	"
762	2-1	0908 / 0918	"	12.0	5.92	2.16	5.92	12.8		.6	9	0	"
763	2-8	0905 / 0915	"	12.1	6.24	1.99	5.91	12.4		.6	9	0	"
764	2-15	0910 / 0924	"	11.8	5.80	1.88	5.91	10.9		.6	9	0	"
765	2-21	0908 / 0918	"	11.9	6.04	1.87	5.89	11.3		.6	9	0	"
766	3-1	0940 / 0950	WADDICOR-VAN BUREN	12.0	6.29	1.92	5.90	12.1		.6	9	0	"
767	3-8	0920 / 0930	WADDICOR	12.0	6.30	1.97	5.90	12.4		.6	9	0	"
768	3-15	0850 / 0900	"	11.8	6.18	1.67	5.90	10.3		.6	9	0	"
769	3-22	0905 / 0915	"	11.8	5.85	1.79	5.87	10.5		.6	9	0	"
770	3-28	0933 / 0943	"	11.9	6.22	1.83	5.87	11.4		.6	9	0	"
771	4-5	0835 / 0845	"	11.7	5.74	1.71	5.87	9.8		.6	9	0	"
772	4-11	0912 / 0922	"	11.7	5.65	1.81	5.85	10.2		.6	9	0	"
773	4-19	0841 / 0851	"	11.7	5.66	1.86	5.84	10.5		.6	8	0	"
774	4-26	0853 / 0903	"	11.7	5.97	1.88	5.86	11.2		.6	9	0	"
775	5-3	0850 / 0900	WADDICOR-BOBIK	11.7	5.47	1.85	5.86	10.1		.6	8	0	"
776	5-10	0912 / 0922	WADDICOR	11.7	5.30	1.74	5.82	9.2		.6	8	0	"
777	5-17	0820 / 0830	"	11.0	5.06	1.96	5.84	9.9		.6	8	0	"
778	5-24	0900 / 0910	"	11.7	5.32	1.73	5.82	9.2		.6	8	0	"
779	5-31	0920 / 0930	"	12.0	5.19	1.56	5.82	8.1		.6	8	0	"
780	6-7	0855 / 0905	"	11.2	4.91	1.61	5.80	7.9		.6	9	0	"
781	6-14	0850 / 0900	"	11.3	4.61	1.60	5.80	7.4		.6	10	0	"
782	6-21	0900 / 0910	"	11.2	4.75	1.64	5.79	7.8		.6	9	0	"
783	6-28	0918 / 0928	WADDICOR BRUINGTON-MILLS	11.5	4.68	1.58	5.78	7.4		.6	9	0	"
784	7-5	0940 / 0950	WADDICOR	11.0	3.56	1.69	5.77	6.0		.6	12	0	"
785	7-12	0915 / 0925	"	11.3	4.29	1.49	5.75	6.4		.6	9	0	"
786	7-18	0846 / 0856	BONADIMAN	10.5	4.53	1.30	5.74	5.9		.6	8	0	FC46
787	7-25	0836 / 0846		11.0	4.48	1.16	5.73	5.2		.6	8	0	"
788	8-2	0932 / 0942	WADDICOR	10.7	3.67	1.44	5.69	5.3		.6	8	0	FC37
789	8-9	0910 / 0920	"	11.0	3.89	1.54	5.70	6.0		.6	9	0	"
790	8-16	0907 / 0917	"	11.0	4.20	1.48	5.72	6.2		.6	8	0	"
791	8-23	0902 / 0912	"	11.0	4.40	1.80	5.76	7.9		.6	8	0	"
792	8-30	0928 / 0938	"	11.2	5.06	1.66	5.74	8.4		.6	8	0	"
793	9-5	0908 / 0918	"	10.8	3.89	1.80	5.73	7.0		.6	8	0	"
794	9-12	0905 / 0914	WADDICOR-WADDICOR	10.8	3.66	1.64	5.70	6.0		.6	8	0	"
795	9-20	0940 / 0950	WADDICOR	10.6	3.56	1.54	5.70	5.5		.6	9	0	"
796	9-17	0920 / 0930	"	10.8	3.68	1.49	5.70	5.5		.6	9	0	"

P. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F83R

Daily discharge, in second-feet of MISSION CREEK at San Gabriel Boulevard for the year ending September 30, 19 50

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	12	13	12	15	15	14	14	14	11	9.7	8.9	8.9
2	12	13	12	15	15	14	14	14	11	9.6	8.9	8.8
3	12	13	12	15	15	14	14	14	11	9.4	8.8	8.8
4	11	13	13	15	15	14	14	14	11	9.3	8.8	8.7
5	11	13	13	15	15	14	13	14	11	9.2	8.5	8.4
6	11	13	13	15	19	14	13	14	11	9.2	8.2	8.3
7	11	13	13	15	16	14	13	13	11	9.3	8.0	8.4
8	11	13	13	17	16	14	13	13	11	9.4	7.8	8.6
9	12	13	13	17	16	14	14	13	11	9.4	7.5	8.8
10	12	15	13	15	16	14	14	13	11	9.4	7.7	8.9
11	12	14	14	16	16	14	14	13	11	9.5	8.0	9.0
12	12	14	14	16	15	14	14	13	11	9.5	8.0	9.2
13	12	13	14	15	15	14	14	12	11	9.6	8.0	9.3
14	12	13	14	15	15	14	14	12	10	9.6	8.0	9.4
15	12	13	14	15	15	14	14	11	10	9.6	8.2	9.5
16	13	13	14	15	14	14	13	11	10	9.6	8.3	9.4
17	13	13	14	14	14	14	13	11	10	9.7	8.3	9.5
18	13	13	15	14	14	14	13	11	10	9.7	8.3	9.4
19	13	13	16	14	14	14	13	11	11	9.7	8.3	9.0
20	13	13	15	14	14	14	13	11	10	9.6	8.4	9.0
21	13	13	14	14	14	14	14	11	10	9.5	8.3	8.9
22	13	13	14	14	14	14	13	11	10	9.3	8.3	8.8
23	13	13	14	15	14	13	14	11	10	9.2	8.3	8.8
24	13	13	14	14	14	14	14	11	10	9.0	8.5	8.8
25	12	13	14	15	14	14	14	11	10	8.8	8.6	8.8
26	12	13	14	15	14	14	14	11	10	8.8	8.7	8.7
27	13	13	14	15	14	14	14	11	9.9	8.8	8.8	8.6
28	13	13	14	15	14	14	14	11	9.8	8.8	9.0	8.6
29	13	12	15	15		14	14	11	9.8	8.8	9.1	8.6
30	13	12	15	15		14	14	11	9.8	8.9	9.2	8.6
31	13		15	15		14		11		8.9	9.1	
	381	392	428	464	416	433	410	373	313.3	288.8	260.8	266.5
MEAN	12.3	13.1	13.8	15.0	14.9	14.0	13.7	12.0	10.4	9.32	8.41	8.88
ACRE-FEET	756.	778.	849.	920.	825.	859.	813.	740.	621.	573.	517.	529.

Remarks:

YEAR OR PERIOD MEAN 12.1
ACRE-FEET 8780.

76D74M F. C. Dist. 52 9-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

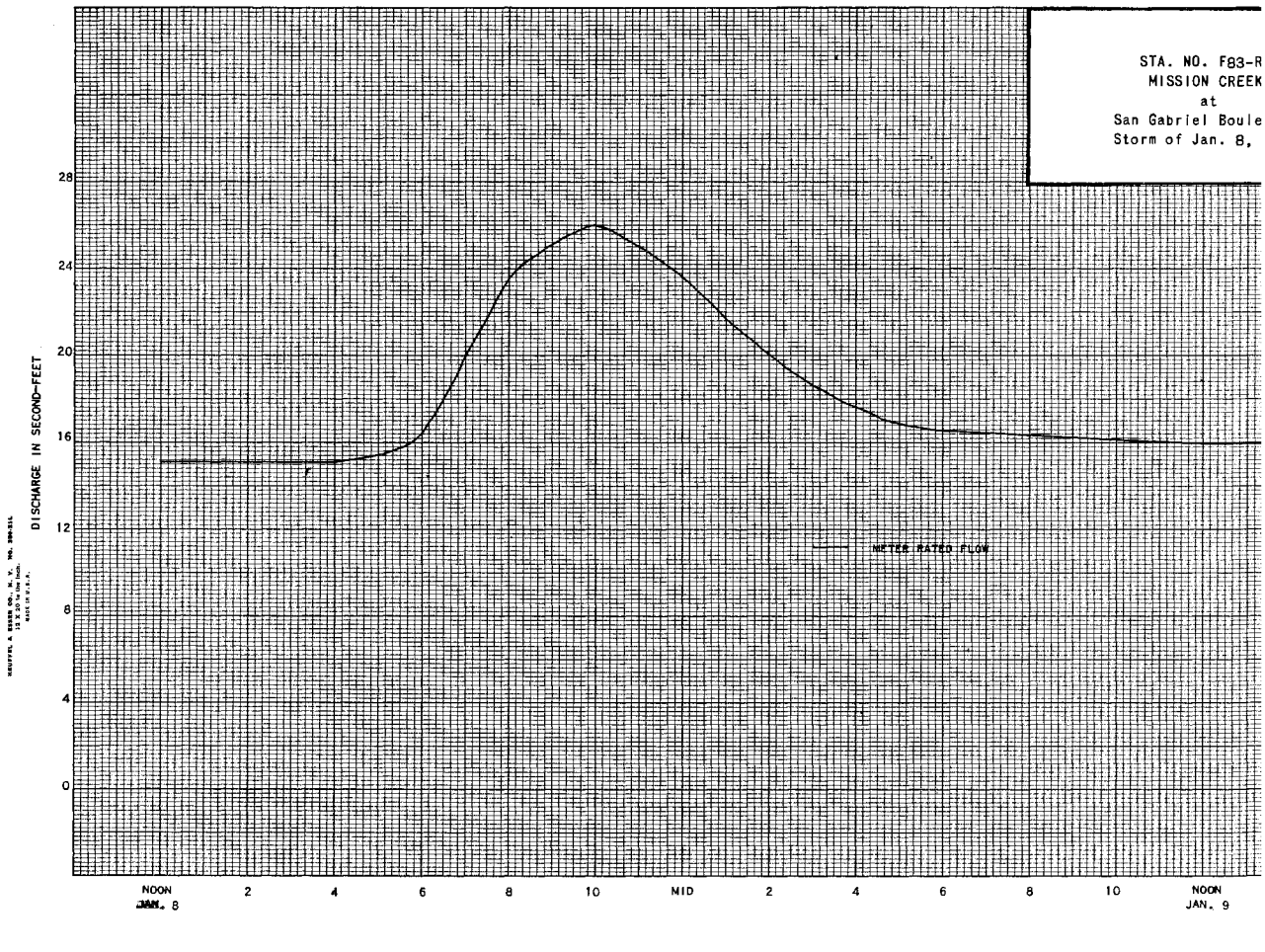
Sta. No. F83-R

Daily discharge, in second-feet of MISSION CREEK at San Gabriel Boulevard for the year ending September 30, 19 51

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	8.5	11	11	11	13	12	10	10	8.1	6.9	a 5.4	7.7
2	8.5	11	11	11	12	12	10	10	8.0	6.6	5.3	7.5
3	8.5	11	11	11	13	12	9.9	10	8.0	6.3	5.4	7.3
4	8.6	11	10	11	12	12	9.6	10	7.9	6.2	5.5	7.2
5	8.6	11	10	10	12	12	9.0	9.8	7.9	6.0	5.6	6.9
6	8.7	10	10	10	12	12	9.4	9.5	7.9	6.0	5.6	6.4
7	8.8	10	10	11	12	12	9.6	10	7.9	6.1	5.8	6.3
8	8.8	9.9	11	11	12	12	9.7	9.8	7.8	6.1	5.9	6.2
9	8.9	10	11	11	12	12	9.8	9.2	7.7	6.2	5.8	6.1
10	8.9	10	11	12	12	12	9.8	9.2	7.6	6.2	5.8	6.2
11	8.9	9.9	11	12	12	11	10	9.3	7.5	6.2	5.9	6.1
12	8.9	9.9	12	12	11	11	10	9.2	7.5	6.4	5.9	6.0
13	8.8	9.9	12	11	11	11	10	9.4	7.5	6.2	6.1	5.9
14	8.9	10	13	12	11	11	10	9.5	7.4	6.2	6.2	5.8
15	9.0	10	12	12	11	10	10	9.7	7.4	6.2	6.2	5.7
16	9.2	10	12	12	11	10	10	9.9	7.3	6.1	6.2	5.6
17	9.2	10	12	a 12	11	10	10	9.8	7.5	6.0	6.3	5.7
18	9.2	11	12	13	11	10	10	9.8	7.6	5.9	6.4	5.6
19	9.3	11	12	13	11	10	10	9.6	7.7	5.8	6.6	a 5.4
20 a	9.3	11	11	13	11	10	10	9.3	7.7	5.7	6.8	5.4
21	9.3	11	11	13	11	10	10	9.5	7.8	5.6	7.0	5.5
22	9.3	11	11	12	11	10	11	9.6	7.8	5.5	7.4	5.5
23	9.3	11	11	12	11	11	11	9.4	7.7	5.4	8.0	5.5
24 a	9.3	12	11	12	11	11	11	9.2	7.7	5.4	7.8	5.5
25	9.3	12	12	12	11	11	11	9.0	7.6	a 5.4	7.9	5.5
26	9.5	12	11	12	12	11	11	9.0	7.5	5.4	8.0	5.5
27	9.8	11	12	12	12	11	11	8.9	7.4	5.4	8.0	5.5
28	9.9	11	11	12	12	11	11	8.8	7.5	5.4	a 8.0	5.5
29	10	11	11	13		11	11	8.5	7.2	5.4	8.5	5.6
30	10	11	11	12		11	10	8.4	7.0	5.4	8.1	a 5.7
31	11		11	13		11		8.2		a 5.4	7.9	
	284.2	320.6	348.0	366.0	324.0	343.0	304.8	291.2	229.1	183.0	205.3	180.3
MEAN	9.17	10.7	11.2	11.8	11.6	11.1	10.2	9.39	7.64	5.90	6.66	6.01
ACRE-FEET	564.	636.	690.	726.	643.	680.	605.	578.	454.	363.	407.	358.

Remarks:

YEAR OR PERIOD MEAN 9.26
ACRE-FEET 6700.



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 FOOTBRIDGE AT 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, 1949 TO SEPTEMBER 30, 1951.

REGULATION: NONE.

DIVERSIONS: MONROVIA PIPE LINE DIVERTS WATER ABOVE GAGE.

RECORDS AVAILABLE: NOVEMBER 10, 1927 TO SEPTEMBER 30, 1951.

EXTREMES OF DISCHARGE:

1949-50
MAXIMUM 16 SECOND-FEET, NOVEMBER 10.
MINIMUM 0.01 SECOND-FOOT, PART OF YEAR.

1950-51
MAXIMUM 4.6 SECOND-FEET, JANUARY 11.
MINIMUM 0.01 SECOND-FOOT, PART OF YEAR.

1927-51
MAXIMUM DISCHARGE NOT DETERMINED, MARCH 2, 1938.
MAXIMUM ESTIMATED 380 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.

DISCHARGE MEASUREMENTS OF MONROVIA CREEK

~~AT~~ NEAR above Sawpit Creek DURING THE YEAR ENDING SEPTEMBER 30, 1950

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
677	10-5	1410	MOON				3.47	0.02		V-NOTCH WEIR			
678	11-10	1545 / 1550	"	4.0	1.30	1.46	3.79	1.9		.6	4	0	FC22
679	11-17	1302 / 1307	"	1.0	0.07	0.71	3.62	0.05		.6	4	0	FC48H
680	11-30	1314 / 1316	"	1.0	0.05	0.80	3.60	0.04		.6	2	0	FC22
681	12-18	1846 / 1856	MOON - GUTIERREZ	7.0	3.70	1.97	4.01	7.3		.6	6	+.01	"
682	12-21	1505 / 1510	MOON	1.35	0.11	0.91	3.59	0.10		.6	4	0	"
683	12-29	1247 / 1249	"	1.4	0.08	0.75	3.57	0.06		.6	2	0	"
684	1-11	1335 / 1337	MOON - GUTIERREZ	1.5	0.12	0.67	3.59	0.08		.6	2	0	"
685	1-26	1302 / 1305	MOON	1.4	0.08	0.50	3.57	0.04		.6	2	0	"
686	2-6	0918 / 0923	MOON - GUTIERREZ	3.5	1.28	1.48	3.79	1.9		.6	5	0	"
687	2-9	1342 / 1344	MOON	1.8	0.18	0.67	3.61	0.12		.6	2	0	"
688	2-10	1232 / 1234	MOON - GUTIERREZ	2.0	0.20	0.75	3.62	0.15		.6	2	0	"
689	2-16	1142 / 1144	MOON	1.2	0.17	0.65	3.58	0.11		.6	2	0	"
690	2-24	1258 / 1300	"	1.2	0.13	0.54	3.56	0.07		.6	2	0	"
691	3-2	1302 / 1304	"	1.2	0.12	0.58	3.56	0.07		.6	2	0	"
692	3-16	1132 / 1134	"	1.2	0.12	0.50	3.55	0.06		.5	2	0	"
693	3-24	2222 / 2230	MOON - GUTIERREZ	5.0	1.34	1.34	3.79	1.8		.5	5	0	"
694	3-29	1546 / 1548	MOON	1.3	0.13	0.77	3.58	0.10		.5	2	0	"
695	4-13	1243 / 1245	"	1.1	0.08	0.88	3.58	0.07		.5	2	0	"
696	4-20	0917 / 0922	"	1.2	0.11	0.55	3.57	0.06		.5	4	0	FC48H
697	5-4	1257 / 1303	"	1.2	0.09	0.44	3.57	0.04		.5	4	0	"
698	5-18	1330 / 1335	"	1.0	0.08	0.50	3.57	0.04		.5	4	0	"
699	5-25	1106 / 1110	"	1.1	0.09	0.44	3.58	0.04		.5	4	0	"
700	6-7	1442 / 1444	"	1.1	0.08	0.37	3.56	0.03		.5	2	0	FC22
701	6-21	1332 / 1334	"	1.0	0.06	0.50	3.57	0.03		.5	2	0	FC48H
702	6-29	1315 / 1320	"	1.0	0.07	0.43	3.57	0.03		.5	4	0	"
703	7-13	1130 / 1133	STUNDEN	0.6	0.03	0.33	3.55	0.01		.5	1	0	FC36
704	7-20	1322 / 1325	MOON	0.8	0.04	0.50	3.53	0.02		.5	2	0	FC48H
705	8-3	1332 / 1334	"	0.8	0.04	0.50	3.54	0.02		.5	2	0	"
706	8-17	1140 / 1142	"	0.8	0.04	0.50	3.53	0.02		.5	2	0	"
707	9-14	1324 / 1326	"	0.8	0.04	0.50	3.54	0.02		.5	2	0	"

DISCHARGE MEASUREMENTS OF MONROVIA CREEK

~~AT~~ NEAR above Sawpit Creek DURING THE YEAR ENDING SEPTEMBER 30, 1951

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.
708	10-5	1207 / 1210	LINDSAY- MOON	0.90	0.06	0.33	3.55	0.02		.5	4	0	FC48H
709	10-19	1412 / 1417	MOON	1.0	0.05	0.40	3.56	0.02		.5	5	0	"
710	11-1	1327 / 1342	"	1.0	0.07	0.43	3.57	0.03		.5	5	0	"
711	11-16	1337 / 1342	"	1.0	0.08	0.38	3.58	0.03		.5	5	0	"
712	11-19	0912 / 0916	MOON - MURPHY	1.2	0.12	0.50	3.61	0.06		.5	5	0	FC22
713	11-22	1127 / 1134	MOON	1.2	0.11	0.36	3.59	0.04		.5	6	0	FC48H
714	12-7	1245 / 1250	"	1.0	0.08	0.50	3.56	0.04		.5	5	0	"
715	12-21	1132 / 1137	"	1.2	0.09	0.56	3.56	0.05		.5	5	0	"
716	12-27	1432 / 1437	"	1.2	0.08	0.62	3.57	0.05		.5	5	0	"
717	1-10	1417 / 1422	"	1.2	0.11	0.55	3.60	0.06		.5	5	0	"
718	1-17	1544 / 1559	"	1.2	0.12	0.83	3.58	0.10		.5	5	0	"
719	1-19	0837 / 0845	"	2.2	0.65	1.00	3.70	0.65		.6	6	0	FC22
720	1-31	1317 / 1322	"	1.1	0.09	0.78	3.57	0.07		.6	5	0	FC48H
721	2-8	1236 / 1244	"	1.2	0.10	0.70	3.57	0.07		.6	7	0	"
722	2-21	1314 / 1322	SPENCER - MOON	1.3	0.11	0.55	3.57	0.06		.5	7	0	"
723	2-28	1332 / 1337	MOON	1.0	0.09	0.78	3.57	0.07		.5	5	0	FC22
724	3-15	1345 / 1350	"	1.0	0.06	0.67	3.56	0.04		.5	5	0	FC48H
725	3-22	1339 / 1343	KASIMOFF - MOON	1.0	0.07	0.57	3.56	0.04		.5	5	0	"
726	4-5	1425 / 1430	KASIMOFF	1.2	0.11	0.55	3.57	0.06		.5	5	0	"
727	4-11	1430 / 1436	"	1.2	0.10	0.50	3.57	0.05		.5	6	0	"
728	4-19	1545 / 1550	"	1.2	0.09	0.44	3.56	0.04		.5	6	0	"
729	4-26	1135 / 1140	KASIMOFF - MOON	1.0	0.08	0.50	3.56	0.04		.5	5	0	"
730	5-10	1112 / 1117	MOON	1.1	0.11	0.54	3.58	0.06		.5	5	0	"
731	5-24	1047 / 1051	"	1.4	0.16	0.38	3.57	0.06		.5	5	0	"
732	6-6	1332 / 1336	"	1.0	0.08	0.62	3.58	0.05		.5	5	0	"
733	6-21	1037 / 1043	"	0.80	0.06	0.67	3.58	0.04		.5	5	0	"
734	7-11	1548 / 1551	KASIMOFF	0.90	0.04	0.25	3.57	0.01		SURF .5	5	0	"
735	8-16	1020 / 1025	MOON	0.60	0.02	0.50	3.55	0.01		.5	2	0	"

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F22R

Daily discharge, in second-feet of MONROVIA CREEK above Sawpit Creek for the year ending September 30, 19 50

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.02	0.02	0.04	0.06	0.04	0.07	0.1	0.04	0.03	0.03	0.02	0.02
2	0.02	0.02	0.04	0.06	0.04	0.07	0.1	0.04	0.03	0.03	0.02	0.02
3	0.02	0.02	0.04	0.06	0.04	0.07	0.1	0.04	0.03	0.03	0.02	0.02
4	0.02	0.02	0.04	0.06	0.04	0.07	0.1	0.04	0.03	0.03	0.02	0.02
5	0.02	0.02	0.04	0.06	0.04	0.07	0.1	0.04	0.03	0.02	0.02	0.02
6	0.02	0.02	0.04	0.06	1.3	0.07	0.1	0.04	0.03	0.02	0.02	0.02
7	0.02	0.03	0.04	0.06	0.7	0.06	0.1	0.04	0.03	0.02	0.02	0.02
8	0.02	0.04	e 0.03	0.1	0.3	0.06	0.5	0.04	0.03	0.02	0.02	0.02
9	0.02	0.06	0.03	0.08	0.1	0.06	0.2	0.04	0.03	0.01	0.02	0.02
10	0.02	2.2	0.03	0.08	0.2	0.06	0.09	0.04	0.03	0.01	0.02	0.02
11	0.02	0.4	0.03	0.08	0.1	0.06	0.07	0.04	0.03	0.01	0.02	0.02
12	0.02	0.09	0.03	0.07	0.1	0.06	0.07	0.04	0.03	0.01	0.02	0.02
13	0.02	0.08	0.03	0.07	0.1	0.06	0.07	0.04	0.03	0.01	0.02	0.02
14	0.02	0.06	0.03	0.08	0.1	0.06	0.07	0.04	0.03	0.01	0.02	0.02
15	0.02	0.06	0.03	0.08	0.1	0.06	0.07	0.04	0.03	0.01	0.02	0.02
16	0.02	0.05	0.04	0.08	0.1	0.06	0.06	0.04	0.03	0.01	0.02	0.02
17	0.02	0.05	0.04	0.08	0.09	0.06	0.06	0.04	0.03	0.02	0.02	0.02
18	0.02	0.05	2.0	0.07	0.09	0.06	0.06	0.04	0.03	0.02	0.02	0.02
19	0.02	0.05	1.7	0.07	0.09	0.06	0.06	0.04	0.03	0.02	0.02	0.02
20 e	0.02	0.05	0.5	0.06	0.09	0.06	0.06	0.04	0.03	0.02	0.02	0.02
21	0.02	0.05	0.1	0.06	0.08	0.06	0.06	0.04	0.03	0.02	0.02	0.02
22	0.02	0.05	0.1	0.05	0.07	0.06	0.06	0.04	0.03	0.02	0.02	0.02
23	0.02	0.05	0.1	0.04	0.07	0.06	0.06	0.04	0.03	0.02	0.02	0.02
24	0.02	0.05	0.09	0.04	0.07	0.5	0.06	0.04	0.03	0.02	0.02	0.02
25	0.02	0.05	0.09	0.04	0.07	0.5	0.05	0.04	0.03	0.02	0.02	0.02
26	0.02	0.05	0.08	0.04	0.07	0.2	0.05	0.04	0.03	0.02	0.02	0.02
27 e	0.02	0.04	0.07	0.04	0.07	0.2	0.05	0.04	0.03	0.02	0.02	0.02
28	0.02	0.04	0.06	0.04	0.07	0.1	0.05	0.04	0.03	0.02	0.02	0.02
29	0.02	0.04	0.06	0.04		0.1	0.05	0.04	0.03	0.02	0.02	0.02
30	0.02	0.04	0.06	0.04		0.1	0.04	0.03	0.03	0.02	0.02	0.02
31	0.02		0.06	0.04		0.1		0.03		0.02	0.02	
	0.62	3.85	5.67	1.89	4.33	3.24	2.67	1.22	0.90	0.56	0.62	2.60
MEAN	.020	.128	.180	.061	.155	.105	.089	.039	.030	.019	0.02	0.02
ACRE-FEET	1.2	7.6	11.	3.7	8.6	6.4	5.3	2.4	1.8	1.2	1.2	1.2

Remarks:

YEAR OR PERIOD MEAN 0.072
ACRE-FEET 52.

76DT4M F. C. Dist. 52 9-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

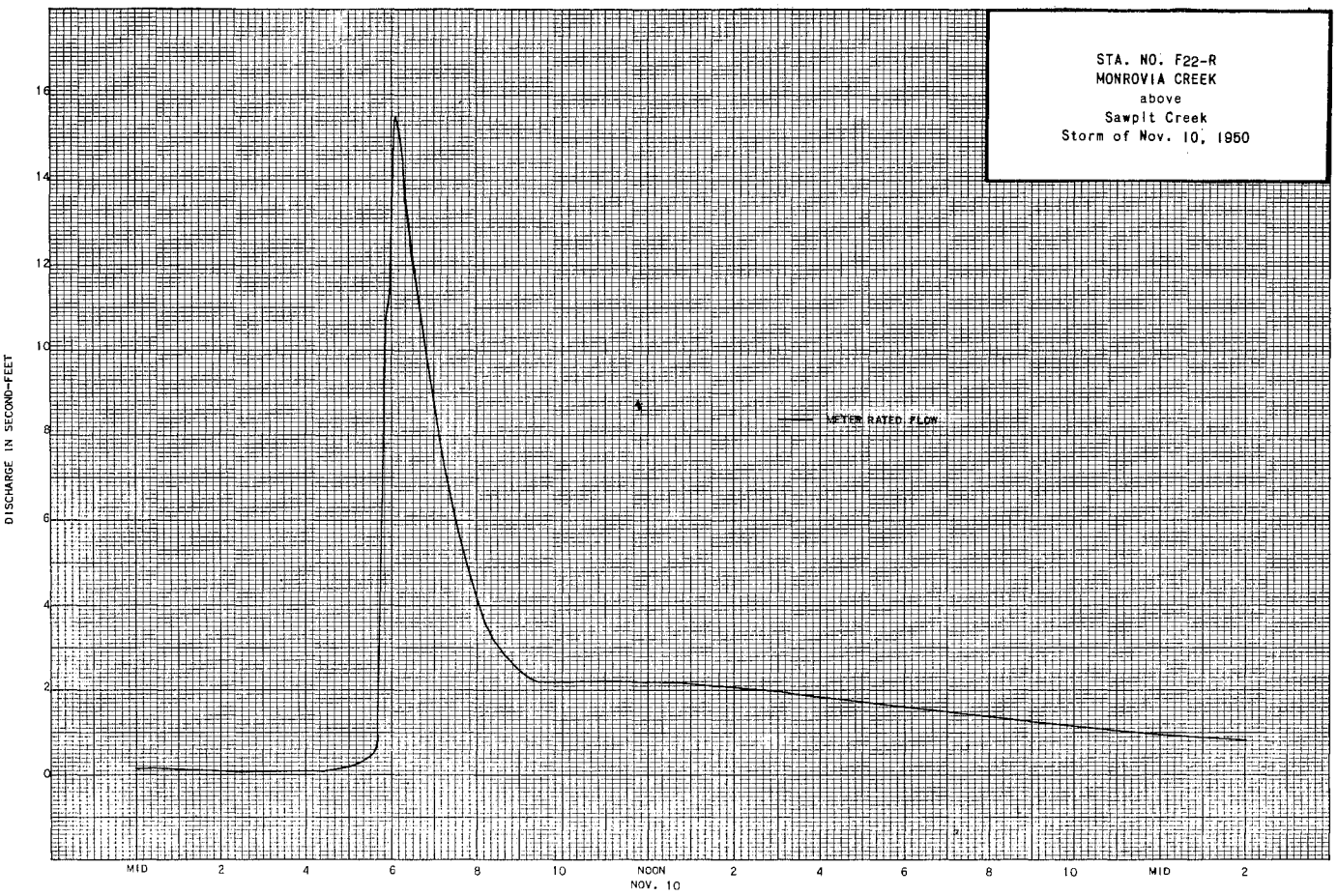
Sta. No. F22R

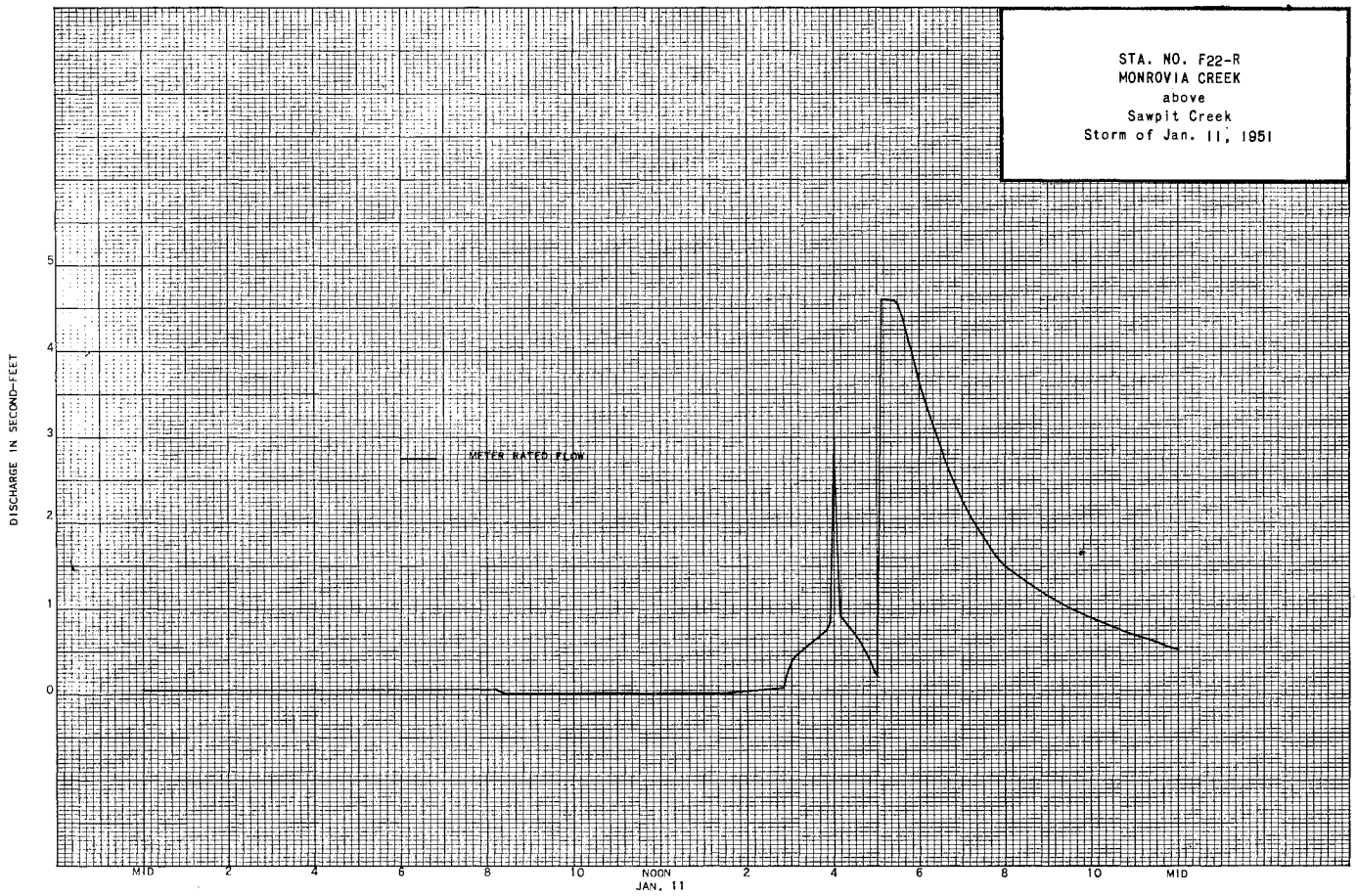
Daily discharge, in second-feet of MONROVIA CREEK above Sawpit Creek for the year ending September 30, 19 51

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.02	0.03	0.04	0.06	0.07	0.1	0.05	0.06	0.06	0.02	0.01	0.01
2	0.02	0.03	0.04	0.06	0.07	0.1	0.06	0.06	0.05	0.02	0.01	0.01
3	0.02	0.03	0.04	0.06	0.07	0.09	0.06	0.06	0.05	0.02	0.01	0.01
4	0.02	0.03	0.04	0.06	0.07	0.09	0.06	0.06	0.05	0.01	0.01	0.01
5	0.02	0.03	0.04	0.06	0.07	0.09	0.06	0.06	0.05	0.01	0.01	0.01
6	0.02	0.03	0.04	0.06	0.07	0.07	0.06	0.06	0.05	0.01	0.01	0.01
7	0.02	0.03	0.04	0.06	0.07	0.07	0.06	0.06	0.05	0.01	0.01	0.01
8	0.02	0.03	0.04	0.06	0.07	0.06	0.06	0.06	0.05	0.01	0.01	0.01
9	0.02	0.03	0.04	0.06	0.07	0.05	0.05	0.06	0.05	0.01	0.01	0.01
10	0.02	0.03	0.04	0.06	0.07	0.05	0.05	0.06	0.05	0.01	0.01	0.01
11	0.02	0.03	0.04	0.6	0.07	0.04	0.05	0.06	0.05	0.01	0.01	0.01
12	0.02	0.03	0.04	0.2	0.07	0.04	0.05	0.06	0.05	0.01	0.01	0.01
13	0.02	0.03	0.04	0.1	0.07	0.04	0.05	0.06	0.05	0.01	0.01	0.01
14	0.02	0.03	0.04	0.1	0.07	0.04	0.05	0.06	0.04	0.01	0.01	0.01
15	0.02	0.03	0.05	0.1	0.06	0.04	0.05	0.06	0.04	0.01	0.01	0.01
16	0.02	0.03	0.05	0.1	0.06	0.04	0.04	0.06	0.04	0.01	0.01	0.01
17	0.02	0.03	0.05	0.1	0.06	0.04	0.04	0.06	0.04	0.01	0.01	0.01
18	0.02	0.03	0.05	0.1	0.06	0.04	0.04	0.06	0.04	0.01	0.01	0.01
19	0.02	0.06	0.05	0.5	0.06	0.04	0.04	0.06	0.04	0.01	0.01	0.01
20	0.02	0.05	0.05	0.09	0.06	0.04	0.04	0.06	0.04	0.01	0.01	0.01
21	0.02	0.04	0.05	0.09	0.06	0.04	0.04	0.06	0.04	0.01	0.01	0.01
22	0.02	0.04	0.05	0.09	0.06	0.04	0.04	0.06	0.04	0.01	0.01	0.01
23	0.02	0.04	0.04	0.09	0.06	0.04	0.04	0.06	0.04	0.01	0.01	0.01
24	0.02	0.04	0.04	0.08	0.06	0.04	0.04	0.06	0.04	0.01	0.01	0.01
25	0.02	0.04	0.03	0.08	0.07	0.04	0.04	0.06	0.04	0.01	0.01	0.01
26	0.02	0.04	0.04	0.08	0.07	0.04	0.04	0.06	0.04	0.01	0.01	0.01
27	0.04	0.04	0.05	0.08	0.07	0.04	0.04	0.06	0.04	0.01	0.01	0.01
28	0.03	0.04	0.05	0.08	0.07	0.04	0.2	0.06	0.03	0.01	0.01	0.01
29	0.03	0.04	0.05	0.08		0.04	0.1	0.06	0.02	0.01	0.01	0.01
30	0.03	0.04	0.05	0.08		0.05	0.06	0.06	0.02	0.01	0.01	0.01
31	0.03		0.05	0.07		0.05		0.06		0.01	0.01	
	0.68	1.05	1.36	3.49	1.86	1.63	1.66	1.86	1.29	0.34	0.31	0.30
MEAN	.022	.035	.044	.113	.066	.053	.055	.060	.043	.011	0.01	0.01
ACRE-FEET	1.3	2.1	2.7	6.9	3.7	3.2	3.3	3.7	2.6	0.7	0.6	0.6

Remarks:

YEAR OR PERIOD MEAN 0.04
ACRE-FEET 31.


STA. NO. F22-R
MONROVIA CREEK
above
Sawpit Creek
Storm of Nov. 10, 1950
METER RATED FLOW
DISCHARGE IN SECOND-FEET
0
2
4
6
8
10
12
14
16
MID
2
4
6
8
10
NOON
2
4
6
8
10
MID
2
NOV. 10


STA. NO. F22-R
MONROVIA CREEK
above
Sawpit Creek
Storm of Jan. 11, 1951
METER RATED FLOW
DISCHARGE IN SECOND-FEET
0
1
2
3
4
5
MID
2
4
6
8
10
NOON
2
4
6
8
10
MID
JAN. 11

STATION F195-R

MONROVIA STORM DRAIN at Peck Road

LOCATION WATER STAGE RECORDER, LAT. 34°07'27", LONG. 118°00'13", ON THE LEFT (EAST) WING WALL OF APPROACH TO CONCRETE OUTLET CHANNEL OF MONROVIA STORM DRAIN INTO PECK ROAD AND ABOUT 1 MILE SOUTH OF MONROVIA. ELEVATION OF GAGE 883.88 FEET.

DRAINAGE AREA: 4.5 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - SAND AND GRAVEL, UPSTREAM FROM STILLING WELL; CONCRETE CHANNEL STARTS AT WELL. CONTROL - CONCRETE SILL AT BEGINNING OF CONCRETE LINED CHANNEL - 22.5 FEET WIDE X 3.2 FEET DEEP.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING, HIGH FLOWS MEASURED BY FLOATS NEAR STATION.

RECORDER: INSTALLED APRIL 25, 1932, OVER AN 18-INCH DIAMETER CORRUGATED IRON PIPE STILLING WELL. A STEVENS TYPE L RECORDER WAS IN SERVICE FROM OCTOBER 1, 1949 TO SEPTEMBER 30, 1951.

REGULATION: NONE.

DIVERSIONS: NONE.

RECORDS AVAILABLE: APRIL 25, 1932 TO SEPTEMBER 30, 1951.

EXTREMES OF DISCHARGE:

1949-50
MAXIMUM 253, SECOND-FEET, FEBRUARY 6.
MINIMUM NO FLOW MOST OF YEAR.

1950-51
MAXIMUM 323, SECOND-FEET, JANUARY 11.
MINIMUM NO FLOW MOST OF YEAR.

1932-51
MAXIMUM 1,200 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 50

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION 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	1-11	1139 / 1145	MOON - GUTIERREZ	12.0	2.22	2.61	0.76	5.8		.6	4	0	FC22
31	2-6	0450 / 0456	"	22.5	20.7	7.44	1.75	154.	FLOATS		4	0	
32	2-10	0827 / 0833	"	17.0	4.64	3.84	0.92	17.8		.6	5	+.01	FC22

DISCHARGE MEASUREMENTS OF MONROVIA STORM DRAIN

~~AT~~ ~~NEAR~~ Peck Road DURING THE YEAR ENDING SEPTEMBER 30, 19 51

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION 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	11-19	0750 / 0800	MOON - MURPHY	13.5	3.23	3.22	0.84	10.4		.5	9	-02	FC22
34	1-11	1454 / 1502	MOON	16.0	11.1	2.05	1.02	22.7		.6	7	0	"
35	1-29	0940 / 0953	MOON -MURPHY	17.0	18.4	1.86	1.13	34.3		.6	7	+01	"
36	2-23	0836 / 0847	MOON	19.0	9.28	3.44	1.08	31.9		.6	10	-05	"
37	3-1	1124 / 1133	"	23.0	11.3	4.42	1.25	50.0		.6	10	-04	"

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F195R

Daily discharge, in second-feet of MONROVIA STORM DRAIN at Peck Road, for the year ending September 30, 19 50

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	26	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	31	13	0	0	54	0	0	0	0	0
9	0	3.8	0	0	0	0	13	0	0	0	0	0
10	0	19	0	0	35	0	0	0	0	0	0	0
11	0	0	0	81	0	0	0	0	0	0	0	0
12	0	0	0	15	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	04	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	06
18	0	0	27	0	0	0	0	0	0	0	0	0
19	0	0	39	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	17	0	0	0	0	0	0
25	0	0	0	0	0	14	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	14	0	0	0	0	0	0	0	0
29	0	0	0	11		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	22.8	34.0	25.5	29.5	18.4	6.7	0	0	0	0	06
MEAN	0	0.76	1.10	0.82	1.05	0.59	0.22	0	0	0	0	0.02
ACRE-FEET	0	45.	67.	51.	59.	36.	13.	0	0	0	0	1.2

Remarks:

YEAR OR PERIOD MEAN 0.38
ACRE-FEET 272.

76D74M F. C. Dist. 53 9-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

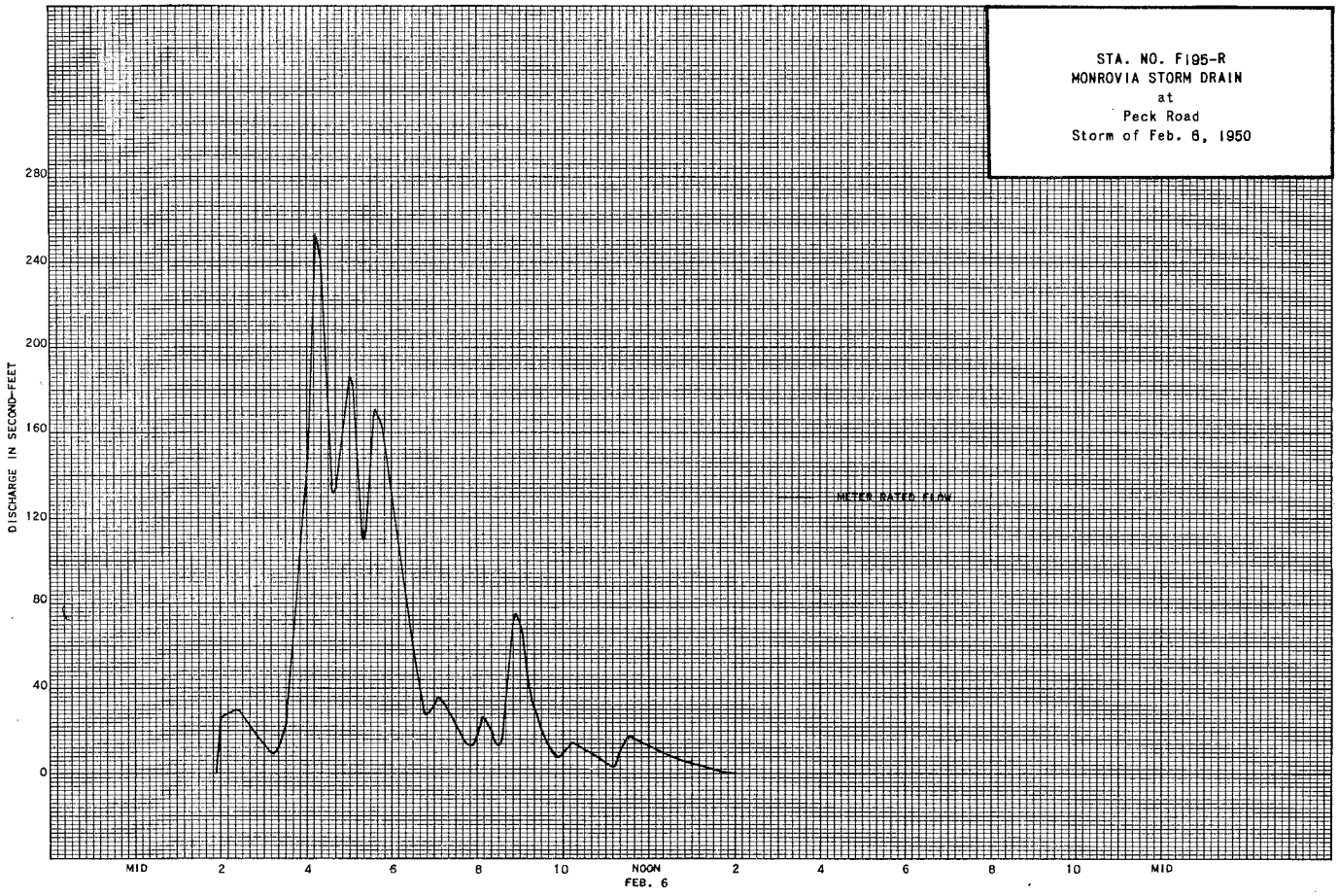
Sta. No. F195-R

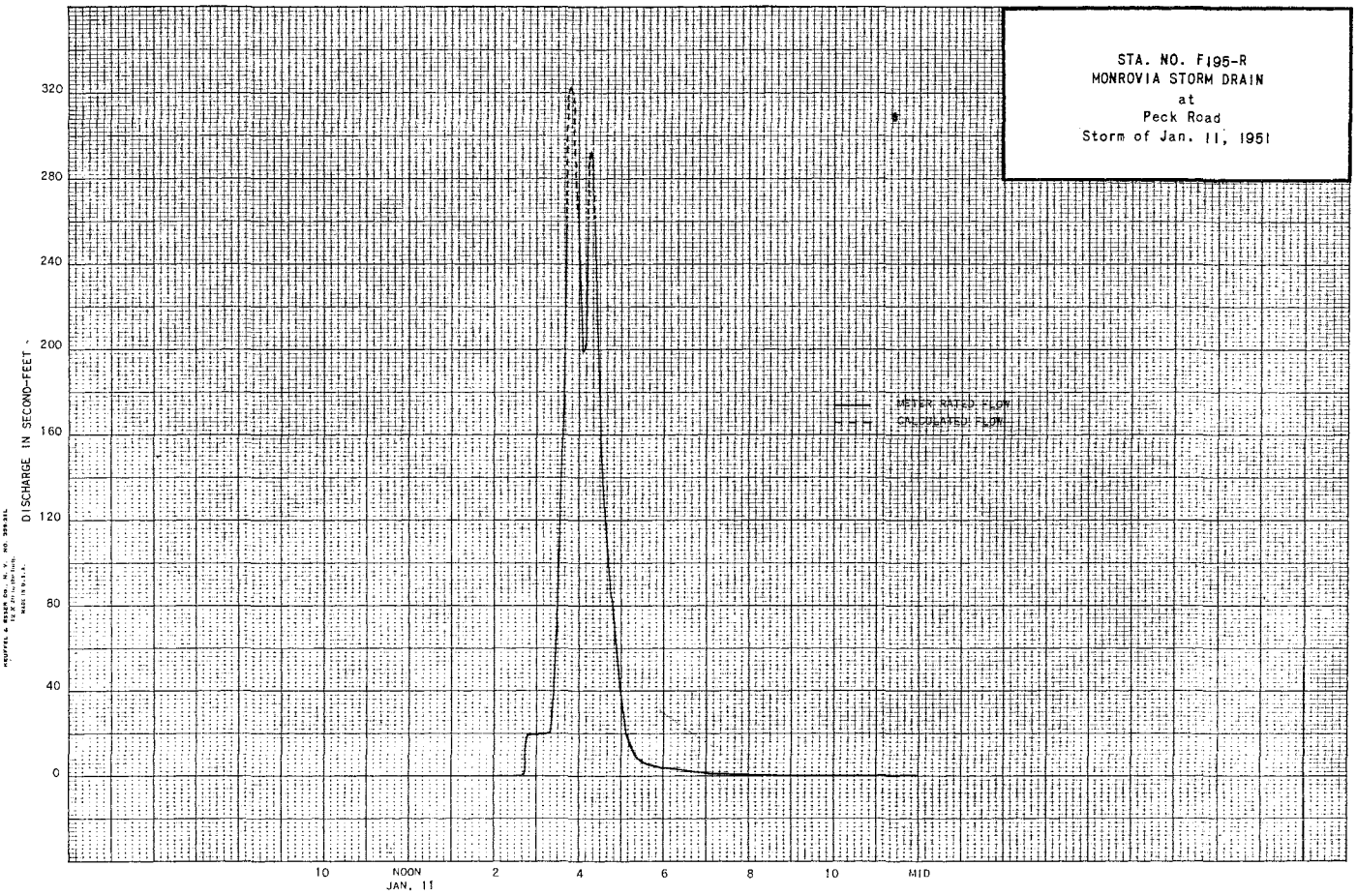
Daily discharge, in second-feet of MONROVIA STORM DRAIN at Peck Road, for the year ending September 30, 19 51

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	9.9	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	0.3	0	0	0	0	0
4	0	0	0	0	0	0	0.5	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	2.6	0	0	0	0	0	0	0	0
11	0	0	0	13.3	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0.3	0	0	0	0	0	0	0	0	0	0
14	0	0.6	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	1.2	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	1.1	0	1.2	0	0	0	0	0	0	0	0
19	0	8.4	0	10.5	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	0.9	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	0	0	5.6	0	0	0	0	0
26	0	0	0	0	4.7	0	0	0	0	0	0	0
27	0.5	0	0	0	0.4	0	0	0	0	0	0	0
28	0	0	0	0	0	0	15.1	0	0	0	0	0
29	0	0	0	14.3		0	1.0	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	
	0.5	10.4	0	43.1	6.0	9.9	22.5	0	0	0	0	0
MEAN	.016	0.35	0	1.39	0.21	0.32	0.75	0	0	0	0	0
ACRE-FEET	1.0	21.	0	85.	12.	20.	45.	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 0.25
ACRE-FEET 184.





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) WING WALL OF THE STORM DRAIN OUTLET, 200 FEET EAST OF THE EAST END OF MINES AVENUE AND 220 FEET WEST OF WEST BANK OF THE RIO HONDO NEAR MONTEBELLO. ELEVATION OF ZERO GAGE HEIGHT, 161.97 FEET.

DRAINAGE AREA: 9.6 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - CONCRETE APRON WITH WING WALLS BELOW A 14 FT. X 10 FT. CONCRETE-COVERED DRAIN. A DROP-OFF EXISTS JUST BELOW THE STATION. ON APRIL 11, 1935 A DIVERSION WALL 4 INCHES HIGH WAS BUILT ACROSS THE DRAIN 20 FEET ABOVE THE STATION. 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 HEAD WALL AT END OF COVERED SECTION.

RECORDER: INSTALLED JANUARY 21, 1932 OVER AN 18-INCH DIAMETER CORRUGATED IRON PIPE STILLING WELL. AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1949 TO SEPTEMBER 30, 1951.

REGULATION: NONE.

DIVERSIONS: NONE PRIOR TO APRIL 11, 1935. SUBSEQUENT TO APRIL 11, 1935. A GATED TWELVE-INCH PIPE DIVERTS THE SUMMER FLOW FROM A POINT 20 FEET ABOVE THE STATION TO THE RIO HONDO. NO DIVERSIONS DURING THE WINTER MONTHS.

RECORDS AVAILABLE: JANUARY 12, 1932 TO SEPTEMBER 30, 1951.

EXTREMES OF DISCHARGE:

1949-50
MAXIMUM 790. SECOND-FEET, JANUARY 8.
MINIMUM LESS THAN 0.1 SECOND-FOOT AT VARIOUS TIMES.

1950-51
MAXIMUM 333. SECOND-FEET, JANUARY 10.
MINIMUM 0.1 SECOND-FOOT AT VARIOUS TIMES.

1931-51
MAXIMUM 1,400 SECOND-FEET, ESTIMATED MARCH 2, 1938.
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: FAIR. LOW FLOWS USUALLY ESTIMATED DUE TO COMMUNICATION BEING OBSTRUCTED BY SAND.

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 51

NO.	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.
165	10-27	1022 / 1030	BONADIMAN	14.0	3.92	1.48	0.33	5.8		.5	6	0	FC19

F. C. Dist. Form 82 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F181R

Daily discharge, in second-feet of MONTEBELLO STORM DRAIN above Rio Hondo for the year ending September 30, 1950

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	e 0.2	0.1	0.3	1.3	0.1	0.3	b 0.1	0.1	d 0.1	d 0.1	d 0.1	d 0.1
2	0.2	0.1	0.3	1.5	0.1	0.3	0.1	0.1	0.1	0.1	0.1	0.1
3	0.2	0.2	0.3	1.7	0.1	0.3	0.1	0.1	0.1	0.1	0.1	0.1
4	0.2	0.1	0.3	1.5	0.1	0.3	0.1	0.1	0.1	0.1	0.1	0.1
5	0.2	0.2	0.3	1.5	0.7	0.5	0.1	0.1	0.1	0.1	0.1	0.1
6	e 0.2	0.1	0.2	1.5	9.5	0.7	0.1	0.1	0.1	0.1	0.1	0.1
7	0.2	0.1	0.1	1.5	2.0	0.7	b 0.1	0.1	0.1	0.1	0.1	0.1
8	0.1	0.3	17.5	7.1	0.3	0.5	17.2	0.1	0.1	0.1	0.1	0.1
9	0.1	16.2	0.7	b 0.5	0.2	0.5	14.8	0.1	0.1	0.1	0.1	0.1
10	0.1	5.0	0.1	b 0.1	16.0	1.7	b 0.1	0.2	0.1	0.1	0.1	0.1
11	0.2	0.9	0.1	3.4	0.5	0.5	b 0.1	0.2	0.1	0.1	0.1	0.1
12	0.3	0.7	0.1	10.8	0.3	0.5	0.1	0.2	0.1	0.1	0.1	0.1
13	0.1	0.7	0.1	b 0.1	0.3	0.3	0.3	0.2	0.1	0.1	0.1	0.1
14	0.1	0.7	0.1	1.0	0.2	0.5	0.7	0.1	0.1	0.1	0.1	0.1
15	0.1	0.3	0.7	b 0.1	0.2	0.3	0.7	0.2	0.1	0.1	0.1	0.1
16	0.1	0.1	0.3	b 0.1	0.2	0.3	0.3	0.1	0.1	0.1	d 0.1	d 0.1
17	0.1	0.1	0.1	0.1	0.3	0.3	0.5	0.1	0.1	0.1	8.3	
18	0.1	0.1	9.5	0.1	0.3	0.5	0.7	0.1	0.1	0.1	d 0.1	
19	0.1	0.1	2.8	0.1	0.3	0.7	0.9	0.1	0.1	0.1	d 0.1	
20	0.1	0.1	2.3	0.1	0.3	0.9	0.9	0.1	0.1	0.1	d 0.1	
21	0.1	0.1	1.9	0.1	0.3	1.1	0.9	0.1	0.1	0.1	0.1	
22	0.1	0.2	1.7	0.1	0.3	1.3	0.7	0.1	0.1	0.1	0.1	0.3
23	0.1	0.1	1.7	0.1	0.9	1.5	0.9	0.2	0.1	0.1	0.1	0.5
24	0.1	0.1	1.7	0.1	0.9	3.5	e 0.1	0.2	0.1	0.1	d 0.1	
25	0.1	0.1	1.7	0.1	0.3	3.5	0.1	0.1	0.1	0.1	0.1	0.5
26	0.1	0.1	1.5	0.1	0.3	b 0.1	0.1	0.1	0.1	0.1	d 0.1	
27	0.7	0.1	1.3	0.1	0.3	0.1	e 0.1	d 0.1	0.1	0.1	0.1	0.7
28	0.2	0.1	1.1	6.1	0.3	0.1	0.1	0.1	0.1	0.1	d 0.1	
29	0.1	0.2	1.1	5.2		0.1	0.1	0.1	0.1	0.1	d 0.1	
30	0.1	0.2	1.3	0.2		0.1	0.1	0.1	0.1	0.1	d 0.1	
31	0.1		1.3	0.1		b 0.1	0.1	d 0.1	d 0.1	d 0.1	d 0.1	
	4.8	72.5	163.2	140.9	121.1	53.6	41.2	3.8	3.0	3.1	3.1	12.8
MEAN	0.15	2.42	5.26	4.55	4.32	1.73	1.37	0.12	0.10	0.10	0.10	0.43
ACRE-FEET	9.5	144.	324.	279.	240.	106.	82.	7.5	6.0	6.1	6.1	25.

Remarks:

YEAR OR PERIOD MEAN 1.71
ACRE-FEET 1240.

7601-1M F. C. Dist. 82 9-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

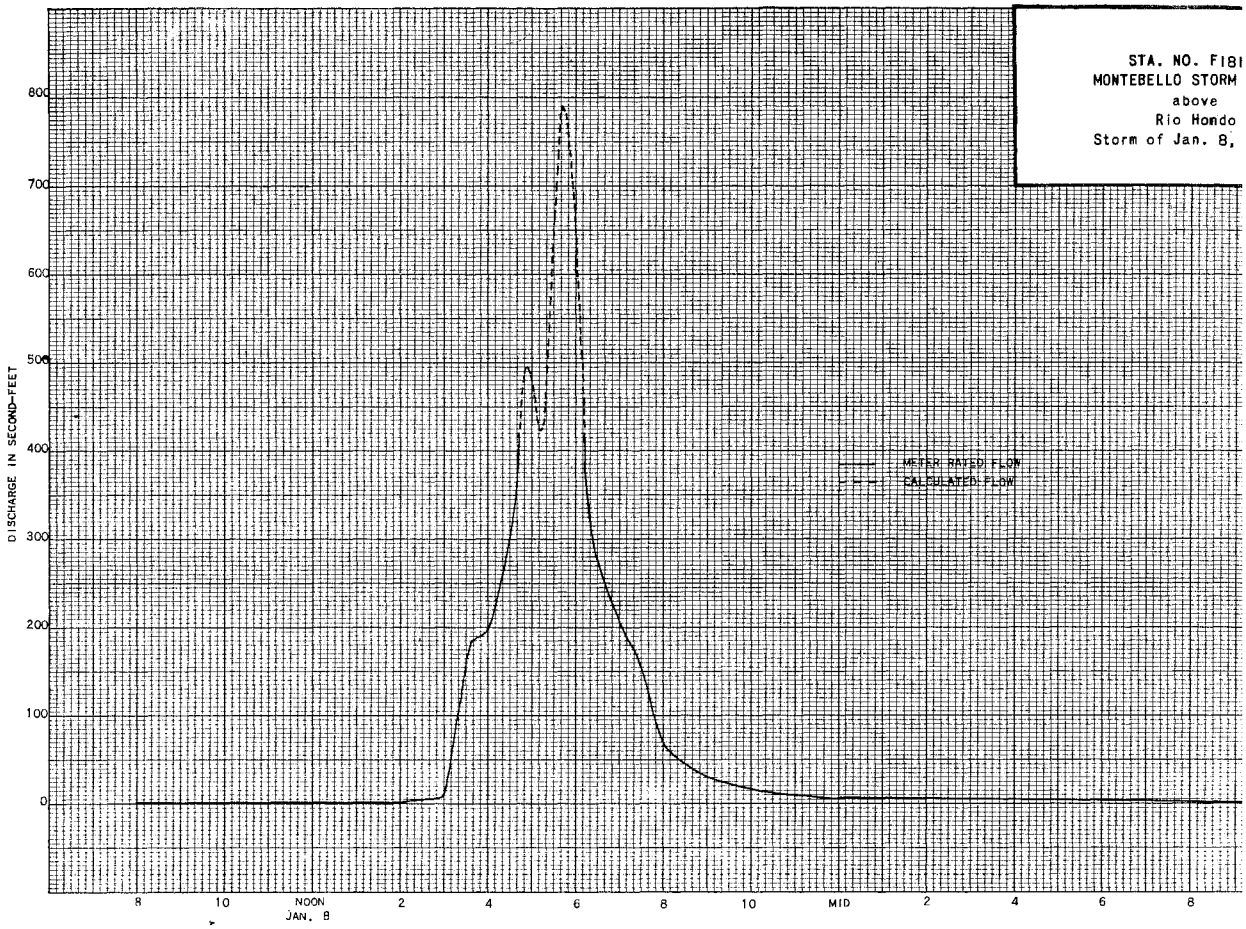
Sta. No. F181-R

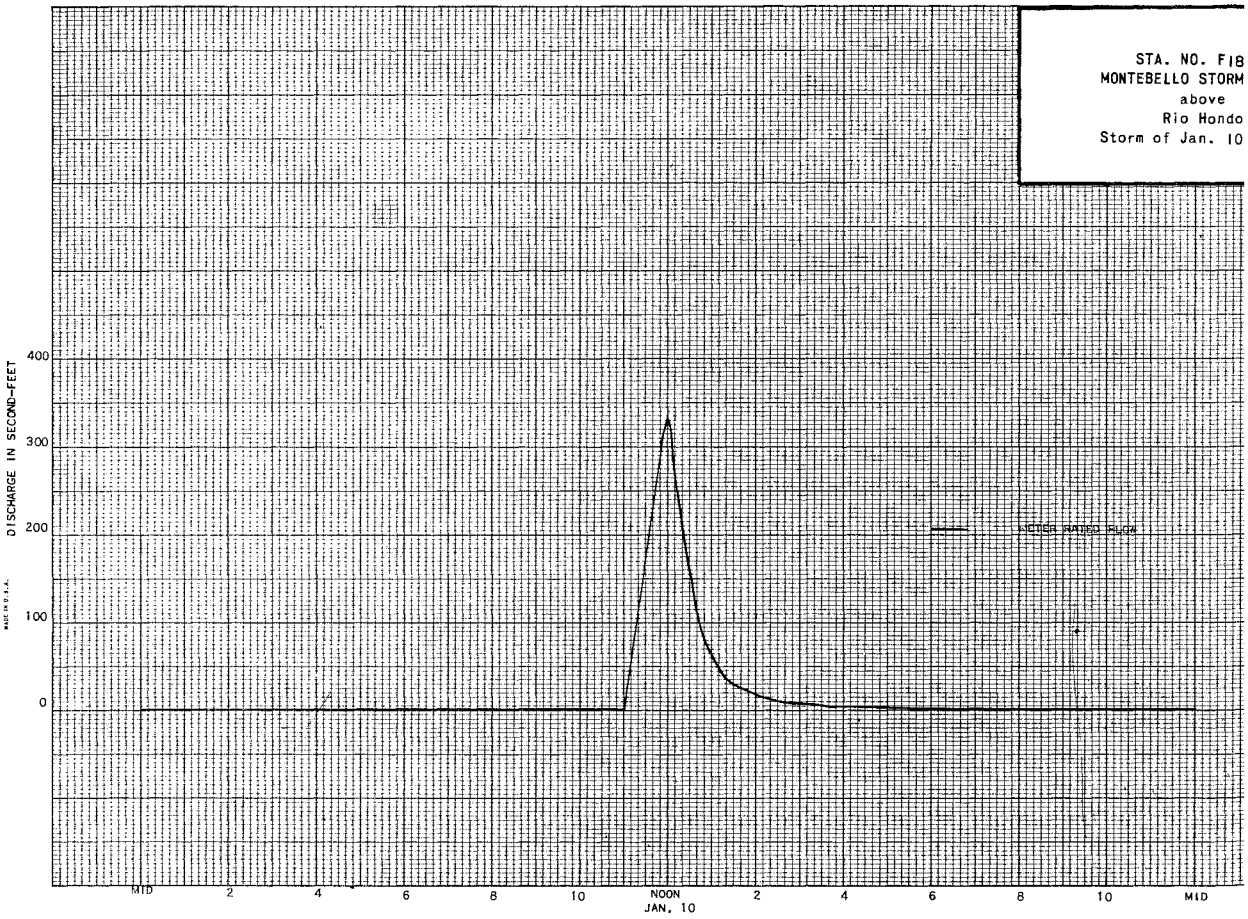
Daily discharge, in second-feet of MONTEBELLO STORM DRAIN above Rio Hondo for the year ending September 30, 1951

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.3	0.9	0.1	0.2	0.3	2.8	e 0.1	e 0.1	e 0.1	e 0.1	e 0.1	e 0.1
2	0.5	0.9	0.1	0.5	0.3	0.9	0.1	0.1	0.1	0.1	0.1	0.1
3	0.5	1.1	0.1	0.3	0.3	0.9	3.2	0.1	0.1	0.1	0.1	0.1
4	0.7	0.9	0.1	1.4	0.5	0.5	3.0	0.1	0.1	0.1	0.1	0.1
5	0.7	0.9	0.1	0.7	0.3	0.5	0.1	0.1	0.1	0.1	0.1	0.1
6	1.3	0.9	0.1	0.3	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1
7	1.3	1.1	0.1	0.3	0.7	0.2	0.1	0.1	0.1	0.1	0.1	0.1
8	1.1	1.5	0.1	0.2	0.5	0.2	0.1	0.1	0.1	0.1	0.1	0.1
9	1.1	1.3	0.9	0.5	0.5	0.2	0.1	0.1	0.1	0.1	0.1	0.1
10	1.3	1.1	1.5	18.4	0.5	0.2	0.1	0.1	0.1	0.1	0.1	0.1
11	1.3	1.3	1.5	2.2	0.5	0.2	0.1	0.1	0.1	0.1	0.1	0.1
12	1.3	1.3	1.1	0.3	0.7	0.2	0.1	0.1	0.1	0.1	0.1	0.1
13	1.7	13.1	0.5	0.2	0.5	0.3	0.1	0.1	0.1	0.1	0.1	0.1
14	1.5	1.7	0.3	0.1	0.5	0.5	0.1	0.1	0.1	0.1	0.1	0.1
15	1.1	0.1	0.1	0.2	0.5	0.5	0.1	0.1	0.1	0.1	0.1	0.1
16	1.1	0.1	0.5	9.0	0.5	0.7	0.1	0.1	0.1	0.1	0.1	0.1
17	1.1	0.1	0.3	0.3	0.9	0.9	0.1	0.1	0.1	0.1	0.1	0.1
18	1.1	4.3	0.1	5.2	0.5	0.7	0.1	0.1	0.1	0.1	0.1	0.1
19	1.3	3.2	0.1	9.9	0.5	0.7	0.1	0.1	0.1	0.1	0.1	0.1
20	1.3	1.0	0.1	0.5	0.5	0.7	0.1	0.1	0.1	0.1	0.1	0.1
21	1.5	0.1	0.1	0.5	0.9	0.9	0.1	0.1	0.1	0.1	0.1	0.1
22	1.1	0.1	0.2	0.5	0.7	0.9	0.1	0.1	0.1	0.1	0.1	0.1
23	1.1	0.1	0.5	0.7	2.4	0.9	0.1	0.1	0.1	0.1	0.1	0.1
24	1.3	0.1	0.3	0.5	1.3	0.9	0.1	0.1	0.1	0.1	0.1	0.1
25	1.5	0.1	0.1	0.7	0.7	1.1	2.0	0.1	0.1	0.1	0.1	0.1
26	1.8	0.1	0.7	0.3	12.1	1.1	0.1	0.1	0.1	0.1	0.1	0.1
27	4.7	0.1	0.5	0.3	6.4	e 0.9	0.1	0.1	0.1	0.1	0.1	0.1
28	0.3	0.1	0.2	0.3	0.9	0.7	3.2	0.1	0.1	0.1	0.1	0.1
29	0.3	0.1	0.2	5.0		0.5	3.8	0.1	0.1	0.1	0.1	0.1
30	0.2	0.3	0.3	0.3		0.3	e 0.1	0.1	e 0.1	0.1	0.1	e 0.1
31	0.3		0.2	0.5		e 0.2		e 0.1		e 0.1	e 0.1	
	35.7	66.8	11.1	125.1	56.8	45.6	91.5	3.1	3.0	3.1	3.1	3.0
MEAN	1.15	2.23	0.36	4.04	2.03	1.47	3.05	0.10	0.10	0.10	0.10	0.10
ACRE-FEET	71.	132.	22.0	248.	113.	90.4	181.	6.1	6.0	6.1	6.1	6.0

Remarks:

YEAR OR PERIOD MEAN 1.23
ACRE-FEET 888.


STA. NO. F18I
MONTEBELLO STORM
above
Rio Hondo
Storm of Jan. 8,
DISCHARGE IN SECOND-FEET
800
700
600
500
400
300
200
100
0
METER RATED FLOW
CALCULATED FLOW
8
10
NOON
JAN. 8
2
4
6
8
10
MID
2
4
6
8


STA. NO. F18
MONTEBELLO STORM
above
Rio Hondo
Storm of Jan. 10
DISCHARGE IN SECOND-FEET
400
300
200
100
0
METER RATED FLOW
MID
2
4
6
8
10
NOON
JAN. 10
2
4
6
8
10
MID

STATION F118B-R

PACOIMA CREEK 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 APPROXIMARELY 0.5 MILE DOWNSTREAM. ELEVATION OF GAGE, ABOUT 1,650 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 TO MEASURE LOW FLOWS.

DISCHARGE MEASUREMENTS: FROM FOOTBRIDGE OVER FLUME.

RECORDER: INSTALLED AT STATION F118-R ON MARCH 24, 1933. REMOVED FEBRUARY 1, 1935. INSTALLED AT STATION F118B-R ON FEBRUARY 9, 1935; REMOVED APRIL 28, 1937. REINSTALLED JUNE 25, 1937. AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1949 TO SEPTEMBER 30, 1951.

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, 1951.

EXTREMES OF DISCHARGE:
1949-50
MAXIMUM 314 SECOND-FEET, APRIL 11.
MINIMUM NO FLOW AT VARIOUS TIMES.
1950-51
MAXIMUM 17. SECOND-FEET, JUNE 12.
MINIMUM NO FLOW AT VARIOUS TIMES.
1916-29 (STATION U13-R)
MAXIMUM 1,860 SECOND-FEET, FEBRUARY 16, 1927.
MINIMUM NO FLOW AT VARIOUS TIMES.
1929-51 (STATIONS F118B-R, F118-R, AND PARSHALL FLUME AND DAM RECORDS)
MAXIMUM 685 SECOND-FEET, MARCH 2, 1938.
MAXIMUM 2,060 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

~~AT~~ NEAR below Pacoima Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 50

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.
522	10-6	1145	TURNER				0.76	1.3		V-NOTCH WEIR			
523	10-21	1540	"				0.72	1.1		"	"		
524	4-11	1108 / 1135	RANSOM - LANG	10.0	19.4	10.2	2.03	198.		V.V.*	12	-.05	PITOT #2
525	4-11	1135 / 1144	"	10.0	18.3	10.3	2.00	189.		.6	10	+.05	"
526	4-11	1201 / 1214	"	10.0	7.53	8.03	0.90	60.5		V.V.*	10	-.02	"
527	4-11	1217 / 1222	PAYNE - LANG	10.0	7.55	8.14	0.90	61.5		.6	10	0	"
528	4-11	1245 / 1258	LANG - RANSOM	10.0	11.6	8.79	1.27	102.		V.V.*	10	+.01	"
529	4-11	1259 / 1304	"	10.0	11.1	9.19	1.27	102.		.6	10	-.01	"
530	4-11	1315 / 1325	TURNER - PAYNE	10.0	11.8	9.49		112.		.6	10		FC30
531	4-11	1345 / 1357	BURKE - LANG	10.0	16.7	9.40	1.77	157.		V.V.*	11	0	PITOT #2
532	4-11	1358 / 1403	"	10.0	17.0	9.89	1.76	168.		.6	11	0	"
533	4-11	1406 / 1415	TURNER - PAYNE	10.0	18.4	10.0		185.		.6	10		FC30
534	4-11	1443 / 1455	RANSOM - LANG	10.0	10.5	8.56	1.17	89.8		V.V.*	10	0	PITOT #2
535	4-11	1456 / 1501	"	10.0	10.4	9.00	1.17	93.6		.6	10	+.01	"
536	4-11	1500 / 1510	TURNER - PAYNE	10.0	10.9	9.27	1.16	101.		.6	10	+.01	FC30
537	4-12	0900 / 0915	TURNER - BARR	10.0	10.6	9.64	1.17	102.		.6	12	0	"
538	4-12	0930 / 0940	BLAKELY - BARR	10.0	10.6	10.3	1.18	109.		.6	12	0	FC35
539	4-12	1005 / 1015	MOON - SPENCER	10.0	10.9	9.68	1.17	105.		.6	12	0	FC22
540	4-12	1021 / 1041	BLAKELY - TURNER	10.0	10.6	9.41	1.17	98.9		.6	14	0	PITOT #2
541	4-12	1050 / 1100	TURNER - SPENCER	10.0	10.6	9.43	1.17	100.		.6	12	0	"
542	4-12	1105 / 1125	LINDSAY - SPENCER	10.0	10.5	9.30	1.17	97.6		V.V.*	11	-.02	"
543	4-12	1132 / 1144	SPENCER - MOON	10.0	10.6	9.40	1.17	99.6		.6	13	+.02	"

*VERTICAL VELOCITIES, 4 TO 7 MEAS. IN EACH VERTICAL.

DISCHARGE MEASUREMENTS OF PACOIMA CREEK

~~AT~~ NEAR below Pacoima Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 51

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.
544	6-1	0840	TURNER				0.13	0.02		V-NOTCH WEIR			
545	6-6	1445	"				0.44	0.33		"		"	
546	6-14	1530	"				0.92	2.00		"		"	
547	6-20	1550	"				0.67	0.94		"		"	
548	6-27	1600	"				0.57	0.63		"		"	
549	7-5	0830	"				0.14	0.02		"		"	
550	7-13	0900	"					0.19		WATER METER			
551	7-19	1645	"				0.52	0.50		V-NOTCH WEIR			
552	7-25	1620	"				0.22	0.06		"		"	
553	8-3	0745	"				0.24	0.07		"		"	
554	8-8	1625	"				0.03	+		"		"	

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F118-B

Daily discharge, in second-feet of PACOIMA CREEK below Pacoima Dam, for the year ending September 30, 1950

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.4	0.4	0	0	0	+	+	+	4.7	5.5	3.5	0
2	0.4	0			0				4.4	5.5	0.3	0
3	+	0.4							4.7	5.5	0.1	0
4	0.5	0							4.6	5.5	+	0
5	+	0.5			0				4.5	5.5	+	0
6	0.4	+		0	+				4.6	5.5	+	0
7	+	0.4							4.8	5.5	+	0
8	0.4	+							5.0	5.0	0	0
9	+	+		0					5.0	5.0	0	0
10	+	0.1		+			+		5.0	5.0	0	0
11	0.5	0.5		+			6.5		5.0	5.0	0	0
12	0.4	+		+			9.8		5.1	5.0	0	0
13	0.3	0.4		0			2.9		5.0	4.9	0	0
14	0	+					0.1		5.0	4.9	0	0
15	0.4	0					0.1		5.0	4.9	0	0
16	0	0					0.1		4.9	4.9	0	0
17	0.5	0					+		4.9	4.9	0	0
18	0.3	0							4.9	4.8	0	0
19	0	0		0					4.9	5.0	0	0
20	0.4	0		0					4.8	5.1	0	0
21	0.2	0		0					4.8	5.1	0	0
22	0.2			+					5.2	5.1	0	0
23	0	0		0					5.4	5.1	0	0
24	0.3	0							5.4	5.0	0	0
25	0.1	0		0					5.4	5.0	0	0
26	0.3	0							5.4	4.9	0	0
27	+	0							5.4	4.9	0	0
28	0.4	0			+				5.4	4.8	0	0
29	0.4	0							5.4	4.8	0	0
30	0	0					+	+	5.5	4.7	0	0
31	0.4		0	0		+		1.5		4.6	0	
	7.2	2.7	+	+	+	+	1923	1.5	1501	1569	3.9	0
MEAN	0.23	0.09	+	+	+	+	6.41	0.05	5.00	5.06	0.13	0
ACRE-FEET	14.1	5.4	+	+	+	+	381.	3.0	298.	311.	7.7	0

Remarks: + = 0.05 c.f.s. or less

YEAR OR PERIOD MEAN 1.41
ACRE-FEET 1020.

761174M F. C. Dist. 52 9-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F118B-B

Daily discharge, in second-feet of PACOIMA CREEK below Pacoima Dam, for the year ending September 30, 1951

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	+	+	0	+	+	0.1	0.7	0
2	0	0	0	0		0	0			0.4	0.2	0
3	0	0	0	0		0	0			0.2	0.6	0
4	0	0	0	0		0	0		+	0.1	0.2	0
5	0	0	0	0		0	0		0.3	+	0.1	0
6	0	0	0	0		0	0		0.3		+	0
7	0	0	0	0		+	0		0.2			0
8	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		0.9			0
13	0	0	0	0	0	0	0		0.6	+	+	0
14	0	0	0	0	0	+	0		0.6	0	0	0
15	0	0	0	0	0	0	0		0.8	0	0	0
16	0	0	0	0	0	0	0	+	0.2	0	0	0
17	0	0	0	0	0	0	0	1.1	0.1	0.6	0	0
18	0	0	0	0	0	0	0	0.2	0.7	0.7	0	0
19	0	0	0	0	0	0	0	0.1	0.2	0.7	0	0
20	0	0	0	0	0	0	+	+	0.7	0.7	0	0
21	0	0	0	0	0	0	0		0.7	0.2	0	0
22	0	0	0	0	0	0	0		0.7	0.1	0	0
23	0	0	0	0	0	0	0		0.2	0.6	0	0
24	0	0	0	0	0	0	0		0.1	0.2	0	0
25	0	0	0	0	0	0	+		0.6	0.1	0	0
26	0	0	0	0	0	0	0		0.2	+	0	+
27	0	0	0	0	0	0	0	+	0.7	+	0	+
28	0	0	0	0	0	0	0	0.5	0.6	+	0	1.9
29	0	0	0	0		0	0	0.9	0.6	+	0	5.2
30	0	0	0	+		0	0	0.2	0.2	0.5	0	5.3
31	0		0	0		0		+		0.7	0	
	0	0	0		+	+	+	3.0	10.2	5.9	1.8	12.4
					+							
MEAN	0	0	0	+	+	+	+	0.10	0.34	0.19	0.06	0.41
ACRE-FEET	0	0	0	+	+	+	+	6.	20.	12.	3.6	2.5

Remarks: + = 0.05 c.f.s. or less.

YEAR OR PERIOD MEAN 0.09
ACRE-FEET 66.

STATION F18-R
PACOIMA WASH at Parthenia Street

LOCATION: WATER-STAGE RECORDER, LAT. 34°13'42", LONG. 118°27'32", ON THE DOWN-STREAM SIDE OF PARTHENIA STREET BRIDGE APPROXIMATELY 3 MILES NORTHWEST OF VAN NUYS. ELEVATION OF ZERO GAGE HEIGHT, 812.94 FEET.

DRAINAGE AREA: 50.6 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - COMPOSED OF SAND AND GRAVEL. WEEDS AND BRUSH ALONG BANKS. NO ARTIFICIAL CONTROL.

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

RECORDER: INSTALLED DECEMBER 26, 1928, OVER AN 18-INCH DIAMETER CORRUGATED IRON PIPE STILLING WELL. AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1949 TO SEPTEMBER 30, 1951.

REGULATION: FLOW PARTIALLY REGULATED BY PACOIMA DAM AND PACOIMA SPREADING GROUNDS.

DIVERSIONS: TWO SMALL DIVERSIONS FOR IRRIGATION NEAR MOUTH OF CANYON. WATER DIVERTED TO THE PACOIMA SPREADING GROUNDS DURING SPREADING OPERATIONS.

RECORDS AVAILABLE: DECEMBER 26, 1928 TO SEPTEMBER 30, 1951.

EXTREMES OF DISCHARGE:

1949-50
MAXIMUM 100 SECOND-FEET, FEBRUARY 6.
MINIMUM NO FLOW MOST OF YEAR.

1950-51
MAXIMUM 102 SECOND-FEET, JANUARY 11.
MINIMUM NO FLOW MOST OF YEAR.

1929-51
MAXIMUM 2,400 SECOND-FEET, ESTIMATED MARCH 3, 1938.
MINIMUM NO FLOW MOST OF YEAR.

ACCURACY: FAIR.

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

DISCHARGE MEASUREMENTS OF PACOIMA WASH

AT ~~NEAR~~ Parthenia Street DURING THE YEAR ENDING SEPTEMBER 30, 19 50

NO.	DATE	BEGIN / END	MADE 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.
243	12-18	1600 / 1610	PARDIECK - BROWN	24.0	14.4	3.59	4.15	51.7		.6	8	+.07	FC33
244	12-18	1730 / 1740	TURNER - RILEY	26.0	14.0	3.75	4.18	52.5		.6	7		FC43
245	12-19	1350 / 1353	"	4.0	0.56	0.48	3.51	0.27		.5	4	0	"
246	1-8	1939 / 1945	"	27.0	11.2	3.02	3.97	33.8		.6	7	-.02	"
247	1-11	1032 / 1036	"	4.0	1.38	1.45	3.57	2.0		.6	5	0	"
248	1-11	1609 / 1615	"	24.0	10.7	3.29	3.96	35.2		.6	7		"
249	2-6	0411 / 0420	"	29.0	21.0	4.81	4.25	101.		.6	8	0	"
250	2-6	1525 / 1528	"	3.0	0.70	1.43	3.43	1.0		.5	4	0	"

DISCHARGE MEASUREMENTS OF PACOIMA WASH

AT ~~NEAR~~ Parthenia Street DURING THE YEAR ENDING SEPTEMBER 30, 19 51

NO.	DATE	BEGIN / END	MADE 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.
251	11-13	1412 / 1415	TURNER	4.0	1.48	1.42	3.50	2.1		.5	5	0	FC43
252	1-10	1519 / 1522	"	3.5	0.96	0.91	3.42	0.87		.6	5	0	"
253	1-11	1603 / 1612	"	29.0	20.4	4.94	4.19	101.		.6	9	+.04	"
254	1-16	0933 / 0942	"	TWO	CHANNELS		3.44	1.6		.5	8	-.02	"
255	1-19	0850 / 0856	"	6.0	0.70	1.06	3.49	0.74		.5	5	-.01	"
256	1-29	0852 / 0858	"	10.0	2.60	1.65	3.61	4.3		.6	6	+.02	"
257	1-29	1250 / 1256	"	26.0	18.8	5.16	4.12	97.		.6	8	0	"
258	1-30	1209 / 1215	"	15.0	2.51	1.35	3.56	3.4		.5	7	-.01	"
~~259~~	2-23	1240 / 1243	"	1.5	0.12	1.00	3.39	0.12	FLOATS		4	0	
260	3-1	1004 / 1010	TURNER - TRUMBO	8.0	1.29	1.16	3.48	1.5		.5	6	0	FC43
261	4-28	1939 / 1948	TURNER	25.0	13.9	3.88	3.94	54.1		.6	8	+.05	"

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F16

Daily discharge, in second-feet of PACOIMA WASH at Parthenia Street for the year ending September 30, 1950

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	17	0	0	0				
7	0	0	+	0	+	0	0	0				
8	0	0	0.4	5.0	0	0	0.8	0				
9	0	0.2	0	0.2	0	0	0.6	0				
10	0	2.9	0	0	0.3	0	0	0				
11	0	0	0	8.9	+	0	0.1	0				
12	0	0	0	1.6	0	0	0.2	0				
13	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				e 1.3
18	0	0	1.4	0	0	0	0	0				
19	0	0	0.1	0	0	0	0	0				
20	0	0	0	0	0	0	0	0				
21	0	0	0	0	0	0	0	0				0
22	0	0	0	0	0	0	0	0				0
23	0	0	0	0	0	0	0	0				0
24	0	0	0	0	0	0.4	0	0				0
25	0	0	0	0	0	0.3	0	0				0
26	0	0	0	0	0		0	0				0
27	0	0	0	0	0	0	0	0				0
28	0	0	0	0.1	0	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	31	14.5	15.6	17.3	0.7	1.7	0				1.3
MEAN	0	0.10	0.47	0.51	0.62	0.02	0.06	0	0	0	0	1.3
ACRE-FEET	0	6.1	29.	31.	34.	1.4	3.4	0	0	0	0	2.6

Stopped for summer 6 - 1 - 50

Remarks: + = 0.05 c.f.s. or less

YEAR OR PERIOD MEAN 0.15
ACRE-FEET 108.

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F137

Daily discharge, in second-feet of PACOIMA WASH at Parthenia Street for the year ending September 30, 1951

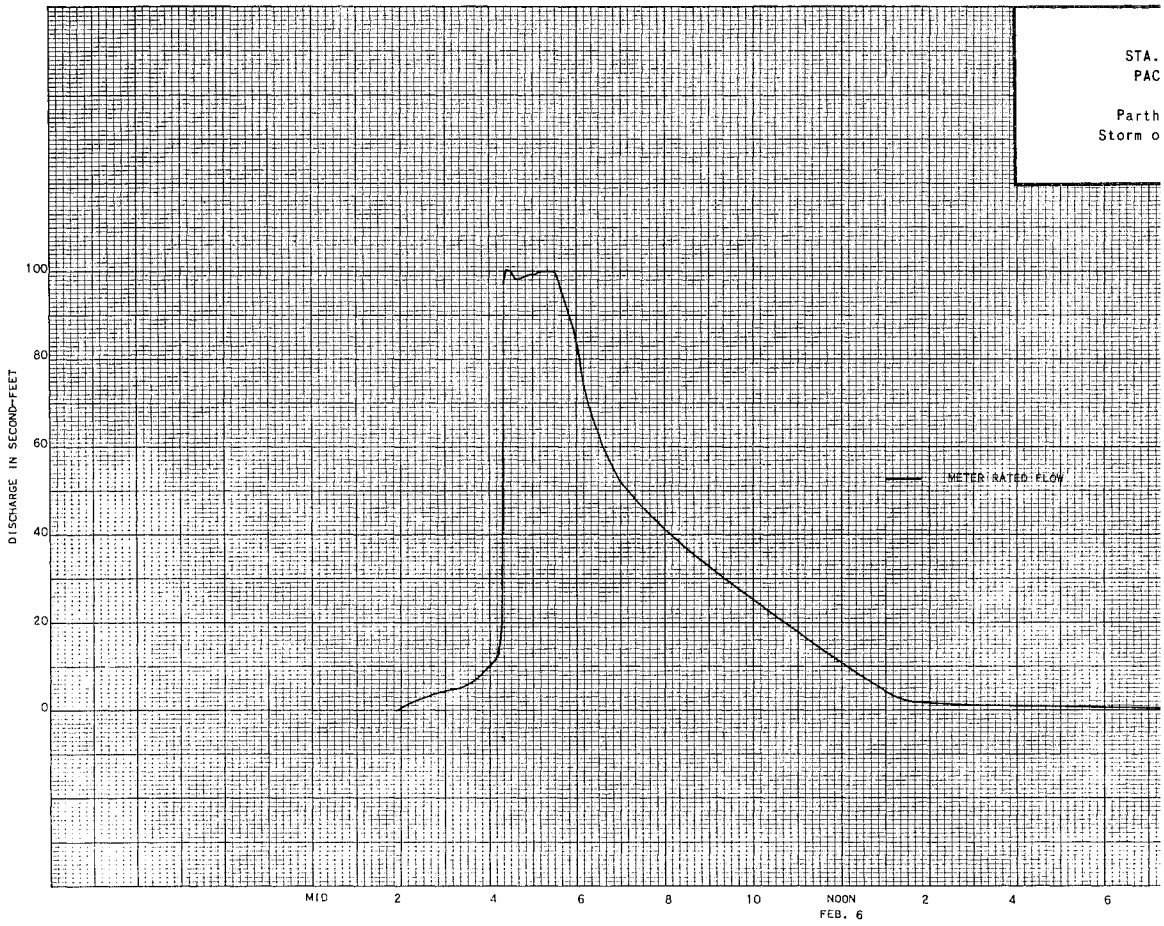
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	1.3	0	0				0
2	0	0	0	0	0	0.1	0	0				0
3	0	0	0	0	0	0	+	0				0
4	0	0	0	0.5	0	0	0.2	0				0
5	0	0	0	0	0	0	+	0				0
6	0	0	0	0	0	0	0	0				0
7	0	0	0	0	0	0	0	0				0
8	0	0	0	0	0	0	0	0				0
9	0	0	0	0	0	0	0	0				0
10	0	0	0	6.8	0	0	0	0				0
11	0	0	0	10	0	0	0	0				0
12	0	0	0	0.1	0	0	0	0				0
13	0	1.4	0	0	0	0	0	0				0
14	0	0	0	0	0	0	0	0				0
15	0	0	0.5	0	0	0	0	0				0
16	0	0	0	0.3	0	0	0	0				0
17	0	0	0	0	0	0	0	0				0
18	0	3.5	0	2.0	0	0	0	0				0
19	0	4.6	0	2.5	0	0	0	0				0
20	0	0.8	0	0	0	0	0	0				0
21	0	0	0	0	0	0	0	0				0
22	0	0	0	0	+	0	0	0				0
23	0	0	0	0	0.1	0	0	0				0
24	0	0	0	0	+	0	0	0				0
25	0	0	0	0	0	0	0.2	0				0
26	0	0	0	0	0.1	0	0	0				0
27	+	0	0	0	0.3	0	0	0				0
28	0	0	0	0		0	9.8	0				0
29	0	0	0	15		0	2.3	0			0	0
30	0	0	0	0.7		0	0	0			0	0
31	0		0	0		0		0			0	
		10.3	0.5	37.9	0.5	1.4	12.5	0			0	0
MEAN	+	0.34	.016	1.22	0.02	0.05	0.42	0	0	0	0	0
ACRE-FEET	+	20.	1.0	75.	1.0	2.8	25.	0	0	0	0	0

Stopped for summer

Started recorder

Remarks: + = 0.05 c.f.s. or less.

YEAR OR PERIOD MEAN 0.17
ACRE-FEET 125.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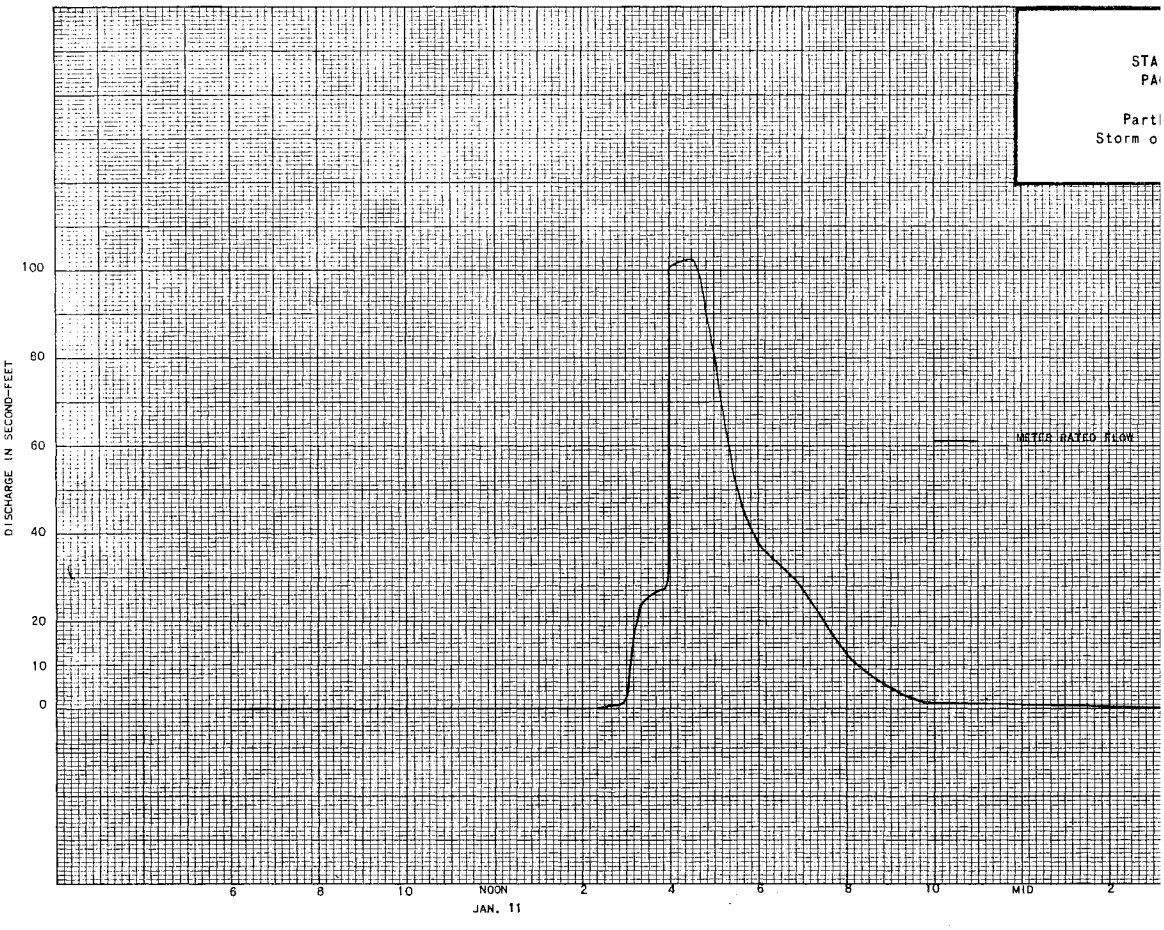
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STATION F135-R

PLACERITA CREEK at Ridge Route Highway

LOCATION: WATER-STAGE RECORDER, LAT. 34°24'52", LONG. 118°32'34", ON TH. 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 WITH BRIDGE PIERS ACTING AS A CONTROL FOR HIGH FLOWS.

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

RECORDER: INSTALLED SEPTEMBER 9, 1947 OVER A 24-INCH DIAMETER IRON PIPE STILLING WELL. AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1949 TO SEPTEMBER 30, 1951.

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

DIVERSIONS: NONE.

RECORDS AVAILABLE: SEPTEMBER 9, 1947 TO SEPTEMBER 30, 1951. FOR PREVIOUS MEASUREMENTS AND RECORDS SEE STAFF GAGE STATION F135-S, NEWHALL CREEK IN THE LOS ANGELES FLOOD CONTROL DISTRICT FILES.

EXTREMES OF DISCHARGE:

1949-50
MAXIMUM 71, SECOND-FEET, JANUARY 8.
MINIMUM NO FLOW MOST OF YEAR.
1950-51
MAXIMUM 6.3 SECOND-FEET, APRIL 29.
MINIMUM NO FLOW MOST OF YEAR.
1947-51
MAXIMUM 82 SECOND-FEET, MARCH 24, 1948.
MINIMUM NO FLOW MOST OF EACH YEAR.

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

DISCHARGE MEASUREMENTS OF PLACERITA CREEK

AT ~~NEAR~~ Ridge Route Highway DURING THE YEAR ENDING SEPTEMBER 30, 19 51

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.
29	1-29	1325 / 1328	LLCE	2.3	0.62	0.77	2.28	0.48		6	6	0	41
30	3-1	1220 / 1225	"	2.5	1.05	1.62	2.45	1.7		6	7	0	39

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F135R

Daily discharge, in second-feet of PLACERITA CREEK at Ridge Route Highway for the year ending September 30, 19 50

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	11	0	0	0	0	0	0	0
7	0	0	0	0	0.2	0	0	0	0	0	0	0
8	0	0	0	8.3	0	0	0.8	0	0	0	0	0
9	0	0	0	2.1	0	0	1.9	0	0	0	0	0
10	0	0	0	0	0.5	0	0	0	0	0	0	0
11	0	0	0	12	0.1	+	0	0	0	0	0	0
12	0	0	0	3.2	+	0	0	0	0	0	0	0
13	0	0	0	0.2	+	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
18	0	0	5.4	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	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	3.5	0	0	0	0	0	0
25	0	0	0	0	0	2.1	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	5.4	25.8	11.8	5.6	2.7	0	0	0	0	0
MEAN	0	0	0.17	0.83	0.42	0.18	0.09	0	0	0	0	0
ACRE-FEET	0	0	11.	51.	23.	11.	5.4	0	0	0	0	0

Remarks: + = 0.05 c.f.s. or less

YEAR OR PERIOD MEAN 0.14
ACRE-FEET 101.

76D74M F. C. Dist. 52 9-50

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 51

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0.2	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0.05		0	0.04	0	0	0	0	0
30	0	0	0	0		0	0.03	0	0	0	0	0
31	0		0	0		0		0		0	0	
	0	0	0	0.05	0	0.2	0.07	0	0	0	0	0
MEAN	0	0	0	+	0	+	+	0	0	0	0	0
ACRE-FEET	0	0	0	0.10	0	0.4	0.1	0	0	0	0	0

Remarks: + = 0.01 c.f.s. or less.

YEAR OR PERIOD MEAN 0.32
ACRE-FEET 0.6

STATION F40-R

PUDDINGSTONE CREEK below Puddingstone Dam

LOCATION: WATER-STAGE RECORDER, LAT. 34°05'35", LONG. 117°48'38", ON THE RIGHT (EAST) BANK ABOUT 1000 FEET BELOW PUDDINGSTONE DAM NEAR SAN DIMAS. ELEVATION OF ZERO GAGE HEIGHT, 824.80 FEET.

DRAINAGE AREA: 32.3 SQUARE MILES, INCLUDING AREAS CONTROLLED BY SEVERAL DAMS IN THE MOUNTAIN TRIBUTARIES.

CHANNEL AND CONTROL: CHANNEL - SAND, GRAVEL AND PUDDINGSTONE. CONTROL - REINFORCED CONCRETE CIPOLLETTI WEIR WITH A 25-FOOT CREST AND 3-FOOT DEPTH, AND A CIPOLLETTI WEIR NOTCH IN CENTER WITH A 24-INCH CREST AND 18-INCH DEPTH.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. NO FACILITIES FOR MEASURING HIGH FLOWS.

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, 1949 TO SEPTEMBER 30, 1951.

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. SAN DIMAS WATER COMPANY DIVERTS OUTFLOW FROM DAM ABOVE THE STATION. INFLOW PARTIALLY REGULATED BY LIVE OAK DAM.

RECORDS AVAILABLE: DECEMBER 28, 1927 TO SEPTEMBER 30, 1951.

EXTREMES OF DISCHARGE:.

1949-50
MAXIMUM 4.4 SECOND-FEET, DECEMBER 18.
MINIMUM LESS THAN 0.02 SECOND-FOOT AT VARIOUS TIMES.

1950-51
MAXIMUM 3.1 SECOND-FEET, DECEMBER 14.
MINIMUM NO FLOW VARIOUS DAYS IN AUGUST.

1929-51
MAXIMUM 287 SECOND-FEET, MARCH 4, 1943.
MINIMUM NO FLOW, AUGUST 1951.

ACCURACY: GOOD.

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

DISCHARGE MEASUREMENTS OF PUDDINGSTONE CREEK

~~NEAR~~ below Puddingstone Dam DURING THE YEAR ENDING SEPTEMBER 30, 1950

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
625	10-6	1340 / 1343	STUNDEN	0.50	0.08	1.00	0.04	0.08		FLOATS	1	0	
626	10-13	0855 / 0858	"	0.50	0.08	0.88	0.04	0.07		"	1	0	
627	10-20	0845 / 0848	"	0.50	0.08	0.88	0.04	0.07		"	1	0	
628	10-27	1120 / 1123	"	0.60	0.12	0.50	0.04	0.06		.5	2	0	FC36
629	11-3	0925 / 0928	"	0.70	0.14	0.43	0.04	0.06		FLOATS	1	0	
630	11-10	1505 / 1510	"	1.0	0.20	0.55	0.10	0.11		.5	2	0	FC36
631	11-18	1215 / 1218	"	0.30	0.01	1.00	0.01	0.01		FLOATS	1	0	
632	11-25	1018 / 1023	"	0.40	0.04	0.75	0.01	0.03		FLOATS	1	0	
633	12-7	0940 / 0943	"	0.30	0.03	1.00	0.02	0.03		FLOATS	1	0	
634	12-14	1630 / 1633	"	0.30	0.03	1.00	0.02	0.03		"	1	0	
635	12-22	1130 / 1132	"	0.40	0.04	0.75	0.02	0.03		"	1	0	
636	12-29	1600 / 1603	"	0.40	0.04	0.75	0.02	0.03		"	1	0	
637	1-5	0940 / 0943	"	0.40	0.04	0.75	0.03	0.03		"	1	0	
638	1-12	0920 / 0923	"	1.5	0.21	0.43	0.08	0.09		.5	3	0	FC36
639	1-19	0955 / 0958	"	0.30	0.03	1.00	0.02	0.03		FLOATS	1	0	
640	1-26	1210 / 1213	"	0.30	0.04	0.75	0.03	0.03		"	1	0	
641	2-2	0955 / 0958	"	0.30	0.03	1.00	0.03	0.03		"	1	0	
642	2-6	1505 / 1510	"	2.5	1.19	1.34	0.37	1.6		.5 .6	5	0	FC36
643	2-10	1110 / 1112	"	0.50	0.10	0.60	0.05	0.06		.5	1	0	"
644	2-16	0950 / 0952	"	0.50	0.10	0.60	0.03	0.06		FLOATS	2	0	
645	2-23	1430 / 1432	"	0.50	0.06	0.83	0.03	0.05		"	1	0	
646	3-2	1545 / 1548	"	0.40	0.04	0.75	0.02	0.03		"	1	0	
647	3-9	1615 / 1618	STUNDEN - BROWN	0.40	0.04	0.75	0.02	0.03		"	1	0	
648	3-16	0945 / 0948	STUNDEN	0.40	0.04	0.75	0.02	0.03		"	1	0	
649	3-23	1450 / 1453	"	0.30	0.02	0.83	0.01	0.02		"	1	0	
650	3-31	1045 / 1048	"	0.30	0.03	0.67	0.01	0.02		"	1	0	
651	4-5	1238 / 1240	"	0.30	0.02	1.00	0.01	0.02		"	1	0	
652	4-12	1210 / 1213	"	0.30	0.03	0.67	0.01	0.02		"	1	0	
653	4-27	0950 / 0952	"	0.30	0.02	0.50	0.01	0.01		"	1	0	
654	5-3	1315 / 1318	"	0.30	0.02	0.50	0.01	0.01		"	1	0	
655	5-25	1120 / 1122	"	0.70	0.18	0.78	0.07	0.14		"	2	0	
656	6-15	0830 / 0833	"	0.50	0.12	0.67	0.06	0.08		"	1	0	
657	6-22	1425 / 1429	STUNDEN - MOON	2.0	0.57	0.37	0.11	0.21		.5	4	0	FC36
658	6-28	1024 / 1029	MOON	2.0	0.52	0.37	0.10	0.19		.5	4	0	FC48H
659	7-5	0930 / 0933	STUNDEN	0.40	0.04	0.50	0.01	0.02		FLOAT	1	0	
660	7-12	0940 / 0943	"	0.40	0.08	0.37	0.03	0.03		.5	1	0	FC36
661	8-24	1137 / 1140	"	0.60	0.05	0.20	0.01	0.01		.5	1	0	FC49H

DISCHARGE MEASUREMENTS OF PUDDINGSTONE CREEK

~~AT~~ NEAR Below Puddingstone Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 51

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
662	10-19	1445 / 1450	STUNDEN	1.2	0.37	0.24	0.05	0.09		.5	5	0	49H
663	10-25	1330 / 1333	"	0.40	0.08	0.50	0.03	0.04		FLOAT	1	0	
664	11-2	1410 / 1413	"	0.60	0.11	0.82	0.05	0.09		FLOAT	1	0	
665	11-9	1215 / 1220	"	1.0	0.18	0.44	0.04+	0.08		.5	10	0	49H
666	11-16	0900 / 0905	"	0.40	0.04	0.75	0.02	0.03		FLOAT	1	0	
667	11-22	0830 / 0833	"	0.40	0.06	0.50	0.02	0.03		FLOAT	1	0	
668	12-14	1400 / 1404	"	0.50	0.06	0.50	0.02	0.03		.5	6	0	49H
669	12-21	0925 / 0930	"	0.50	0.06	0.33	0.01	0.02		FLOAT	2	0	
670	12-28	1500 / 1503	"	0.60	0.08	0.25	0.01	0.02		.5	4	0	49H
671	1-11	1505 / 1508	"	0.60	0.06	0.83	0.03	0.05		FLOAT	2	0	----
672	1-17	1000 / 1003	"	0.60	0.06	0.33	0.01	0.02		FLOAT	1	0	
673	1-24	0930 / 0934	"	0.60	0.06	0.33	0.01	0.02		FLOAT	1	0	
674	3-1	1000 / 1004	"	0.50	0.05	0.80	0.01+	0.04		.5	1	0	FC36
675	3-28	1030 / 1035	"	0.40	0.26	0.38	0.01	0.01		.5	4	0	49H
676	4-4	0930 / 0935	"	0.50	0.04	0.50	0.01	0.02	SURF.		4	0	"
677	4-19	0745 / 0750	"	0.50	0.18	0.11	0.01	0.02		.5	4	0	"
678	9-27	0845 / 0848	"	0.30	0.02	0.50	0.01	0.01		FLOAT	1		

F. C. Dist. Form 52 4-48

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. FU9R

Daily discharge, in second-feet of PUDDINGSTONE CREEK below Puddingstone Dam for the year ending September 30, 1950

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.03	0.08	0.02	0.03	0.03	0.03	0.02	0.02	0.02	0.1	0.02	+
2	0.03	0.08	0.02	0.03	0.03	0.03	0.02	0.02	0.02	0.03	0.02	
3	0.04	0.06	0.02	0.03	0.02	0.04	0.02	0.02	0.02	0.1	+	
4	0.06	0.04	0.02	0.03	0.02	0.03	0.02	0.02	0.02	0.03		
5	0.08	0.04	0.02	0.03	0.03	0.03	0.02	0.02	0.02	0.03		
6	0.06	0.04	0.03	0.03	1.5	0.03	0.02	0.02	0.02	0.02		
7	0.04	0.04	0.03	0.02	0.08	0.03	0.02	0.03	0.02	0.02		
8	0.06	0.04	0.03	0.08	0.06	0.03	0.02	0.03	0.02	0.03		
9	0.06	0.04	0.03	0.08	0.06	0.03	0.04	0.03	0.03	0.03		
10	0.06	0.08	0.03	0.03	0.1	0.03	0.03	0.02	0.04	0.03		
11	0.06	0.03	0.03	0.4	0.08	0.04	0.02	0.02	0.02	0.03		
12	0.04	0.03	0.04	0.2	0.06	0.04	0.02	0.02	0.02	0.04		
13	0.04	0.03	0.04	0.08	0.04	0.03	0.03	0.02	0.02	0.02		
14	0.04	0.02	0.04	0.04	0.04	0.03	0.03	0.02	0.02	0.02		
15	0.04	0.02	0.04	0.06	0.04	0.04	0.03	0.03	0.02	0.02		
16	0.06	0.02	0.06	0.04	0.04	0.03	0.03	0.02	0.02	0.02		+
17	0.06	0.02	0.04	0.03	0.04	0.03	0.03	0.03	0.03	0.02		0.02
18	0.06	0.03	0.6	0.03	0.04	0.03	0.03	0.03	0.08	0.02		0.02
19	0.06	0.03	0.4	0.03	0.06	0.03	0.03	0.03	0.04	0.02		+
20	0.06	0.04	0.08	0.02	0.04	0.03	0.03	0.03	0.04	+	+	
21	0.06	0.04	0.04	0.02	0.04	0.02	0.03	0.03	0.04		0.02	
22	0.06	0.06	0.03	0.03	0.04	0.02	0.03	0.03	0.1		0.02	
23	0.04	0.08	0.03	0.02	0.04	0.02	0.04	0.03	0.2		0.02	
24	0.03	0.06	0.02	0.02	0.04	0.04	0.03	0.03	0.2		0.02	
25	0.1	0.03	0.02	0.03	0.03	0.04	0.03	0.04	0.1	+	0.02	
26	0.06	0.03	0.02	0.03	0.04	0.03	0.02	0.03	0.08	0.02	+	
27	0.06	0.04	0.02	0.04	0.04	0.03	0.02	0.03	0.08	0.02	+	
28	0.06	0.04	0.03	0.04	0.03	0.03	0.02	0.03	0.08	0.02	0.02	
29	0.06	0.03	0.03	0.08		0.02	0.02	0.03	0.03	0.02	+	
30	0.06	0.02	0.04	0.04		0.02	0.02	0.03	0.1	0.02	+	+
31	0.08		0.03	0.03		0.02		0.03		0.02	+	
	1.71	1.24	1.93	1.70	2.71	0.93	0.77	0.82	1.55	0.75	0.16	0.04
MEAN	.055	.041	.062	.055	.097	.030	.026	.026	.052	.024	.005	.001
ACRE-FEET	3.4	2.5	3.8	3.4	5.4	1.8	1.5	1.6	3.1	1.5	0.3	0.1

Remarks: + = less than 0.01 c.f.s.

YEAR OR PERIOD MEAN .039
ACRE-FEET 28.

75D74M F. C. Dist. 52 8-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F40R

Daily discharge, in second-feet of PUDDINGSTONE CREEK below Puddingstone Dam, for the year ending September 30, 1951

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	0.06	0.03	0.02	+	0.04	0.02	+	+	+	0	+
2		0.08	0.03	0.02	+	0.03	0.02				0	
3		0.08	0.03	+	+	0.02	0.02				0	
4		0.04	0.02	0.02	0.02	+	+				+	
5		0.06	0.03	0.03	0.02		+				+	
6	+	0.06	0.02	0.02	0.02		0.03				0	
7	0.02	0.06	0.02	0.02	+		0.03				0	
8	0.02	0.08	0.04	0.02			0.03				0	
9	0.03	0.08	0.03	0.03			0.03				0	
10	0.03	0.06	0.03	0.04		+	0.03	+			+	
11	0.03	0.04	0.02	0.04		0.02	0.03	0.02				
12	0.02	0.04	0.03	0.03		0.02	0.02	0.04				
13	+	0.03	0.03	+		+	0.02	0.02				
14	+	0.03	0.07			+	0.02	0.03				
15	0.02	0.03	0.02			+	0.02	0.02				
16	0.03	0.03	0.03			0.02	0.02	+				
17	0.2	0.02	0.03			0.02	0.02					
18	0.2	0.02	0.05	+	+	0.02	0.02					
19	0.1	0.03	0.03	0.03	0.02	0.02	0.02					
20	0.2	0.03	0.03	0.02	+	+	+					
21	0.1	0.03	0.02	0.02	+		0.03					
22	0.1	0.02	0.02	+	+		+					
23	0.1	0.02	0.02	+	0.02		0.03					
24	0.04	0.02	0.02	0.02	0.02		0.03					
25	0.04	0.02	0.02	0.02	0.02		0.04					+
26	0.06	0.03	0.02	0.02	+		+					0.02
27	0.06	0.03	0.03	0.03	0.02							0.02
28	0.08	0.03	0.03	0.03	0.02							0.02
29	0.08	0.03	0.02	0.2								0.02
30	0.1	0.03	0.02	0.03		+	+		+			
31	0.06		0.02	0.02		0.02		+		+	+	
	1.72	1.22	0.86	0.73	0.18	0.23	0.53	0.13				0.08
MEAN	.055	.041	.028	.024	.006	.007	.018	.004	+	+	+	+
ACRE-FEET	3.4	2.4	1.7	1.4	0.4	0.5	1.1	0.3	+	+	+	0.2

Remarks: + = 0.01 c.f.s. or less.

YEAR OR PERIOD MEAN + ACRE-FEET 11.

STATION F280-R

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 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: 239 SQUARE MILES. 202 SQUARE MILES ARE CONTROLLED BY SAN GABRIEL DAMS NO. 1 AND NO. 2.

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 AT CONTROL.

RECORDER: INSTALLED MAY 12, 1944 OVER A 16-INCH DIAMETER IRON PIPE STILLING WELL. AN HCF CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1949 TO SEPTEMBER 30, 1951.

REGULATION: FLOW REGULATED BY 5 GATED OPENINGS FROM THE STILLING BASIN OUTLET OF SANTA FE DAM TO THE RIO HONDO DIVERSION CANAL.

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, 1951.

EXTREMES OF DISCHARGE:

1949-50
MAXIMUM NO FLOW ENTIRE YEAR.
MINIMUM NO FLOW MOST OF YEAR.

1950-51
NO FLOW ENTIRE YEAR.

1943-51
MAXIMUM 800 SECOND-FEET, JUNE 4, 1948.
MINIMUM NO FLOW MOST OF 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.

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 H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1949 TO SEPTEMBER 30, 1951.

REGULATION: 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, 1951. (FOR RECORDS PRIOR TO MARCH 29, 1932, SEE STATE DIVISION OF WATER RIGHTS BULLETIN.)

EXTREMES OF DISCHARGE:
1949-50
MAXIMUM 124 SECOND-FEET, DECEMBER 18.
MINIMUM NO FLOW MOST OF YEAR.
1950-51
MAXIMUM 636 SECOND-FEET.
MINIMUM NO FLOW FOR MOST OF YEAR.
1932-51
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 50

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.
649	11-10	1125 / 1132	WADDICOR - PAYNE	9.5	4.95	1.72	2.20	8.5		.6	5	-.04	FC37
650	12-18	1458 / 1510	"	51.0	47.8	2.02	3.33	96.9		.6	9	-.24	"

DISCHARGE MEASUREMENTS OF RIO HONDO

AT ~~NEAR~~ Lower Azusa Road DURING THE YEAR ENDING SEPTEMBER 30, 19 51

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
651	11-19	1115 / 1124	WADDICOR - JOHNSON	5.6	1.91	1.41	2.70	2.7		.6	6	0	FC37
652	1-10	1503 / 1509	WADDICOR - VAN BUREN	2.5	0.60	1.15	2.49	0.69		.6	5	-.02	"
653	1-29	1150 / 1159	"	24.0	31.2	4.45	3.98	139.		.6	7	+.08	"
654	2-23	0947 / 0957	"	12.0	3.19	1.32	2.68	4.2		.6	8	-.01	"
655	3-1	1210 / 1220	"	13.5	5.31	1.88	2.90	10.0		.6	9	-.01	"

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F192R

Daily discharge, in second-feet of RIO HONDO at Lower Azusa Road, for the year ending September 30, 1950

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	19	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	6.7	0	0	3.3	0	0	0	0	0
9	0	5.5	0	0	0	0	2.6	0	0	0	0	0
10	0	17	0	0	3.2	0	0	0	0	0	0	0
11	0	0	0	5.6	0	0	0	0	0	0	0	0
12	0	0	0	1.6	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	0.3	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	1.1
18	0	0	27	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	6.1	0	0	0	0	0	0
25	0	0	0	0	0	1.9	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	1.5	0	0	0	0	0	0	0	0
29	0	0	0	4.6		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	225	270	203	222	80	59	0	0	0	0	11
MEAN	0	0.75	0.77	0.59	0.79	0.26	0.20	0	0	0	0	0.04
ACRE-FEET	0	45.	48.	36.	44.	16.	12.	0	0	0	0	2.2

Remarks:

YEAR OR PERIOD MEAN 0.28
ACRE-FEET 203.

76DT4M F. C. Dist. 52 9-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

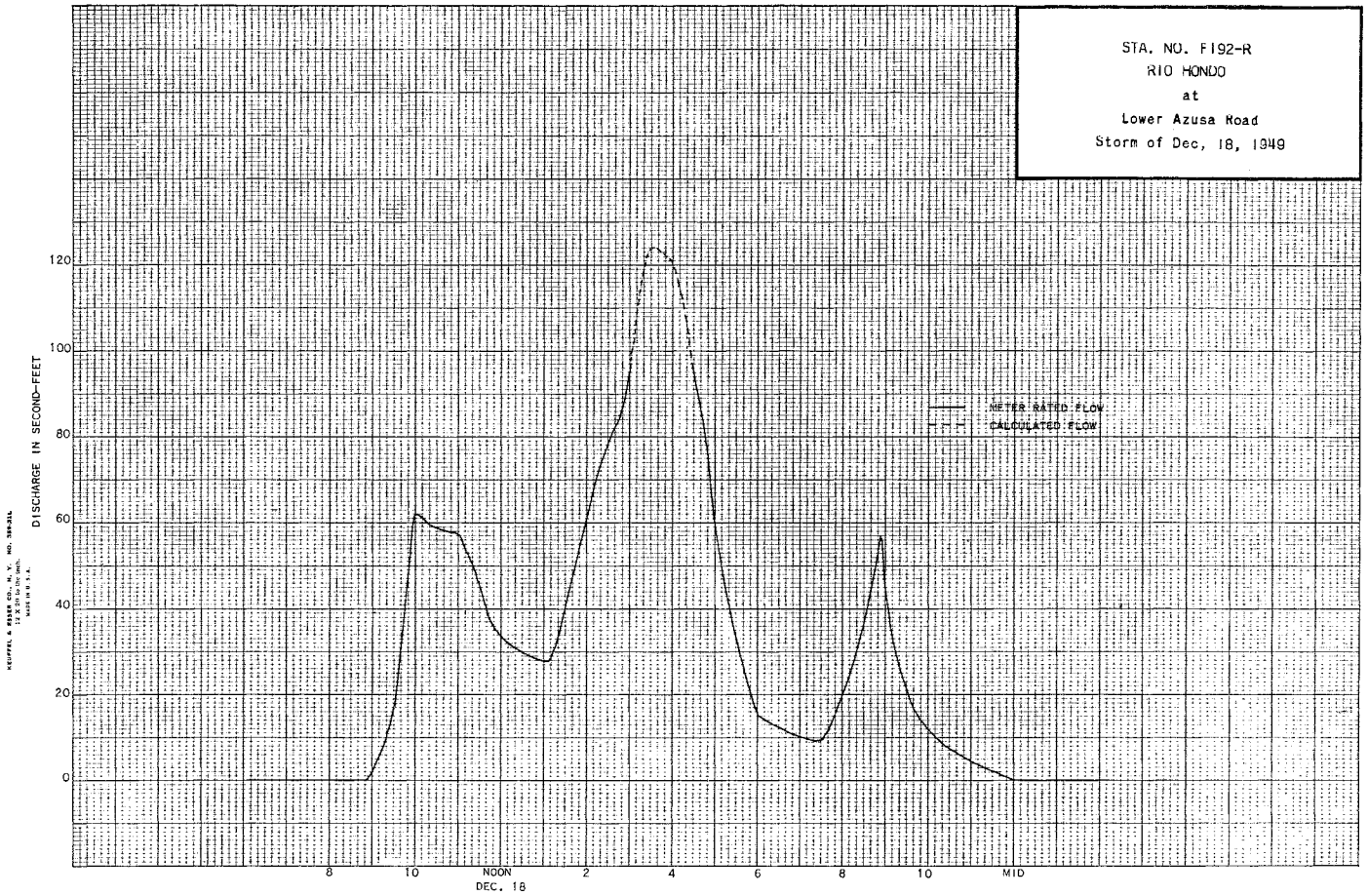
Sta. No. F192-R

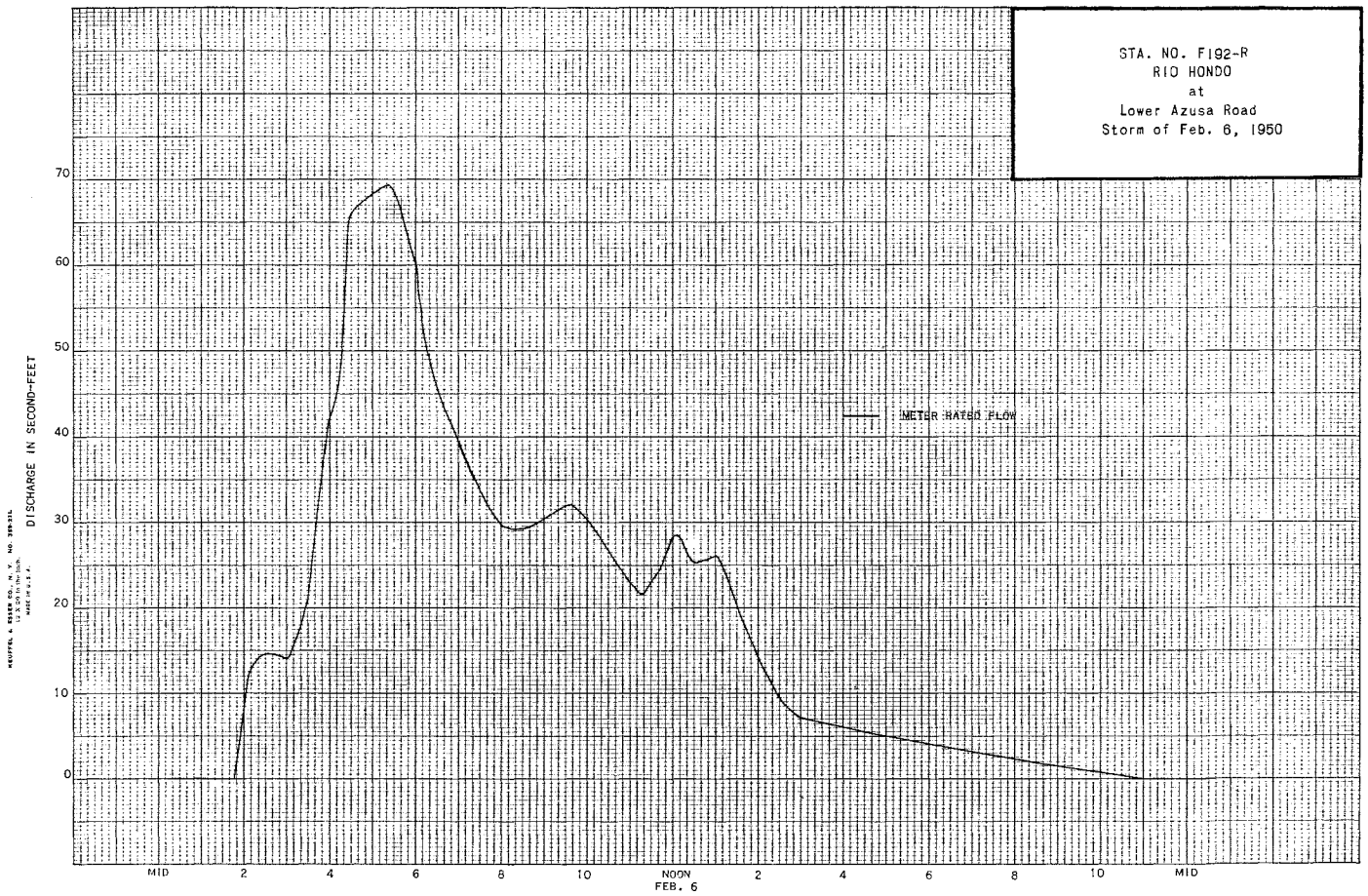
Daily discharge, in second-feet of RIO HONDO at Lower Azusa Road, for the year ending September 30, 1951

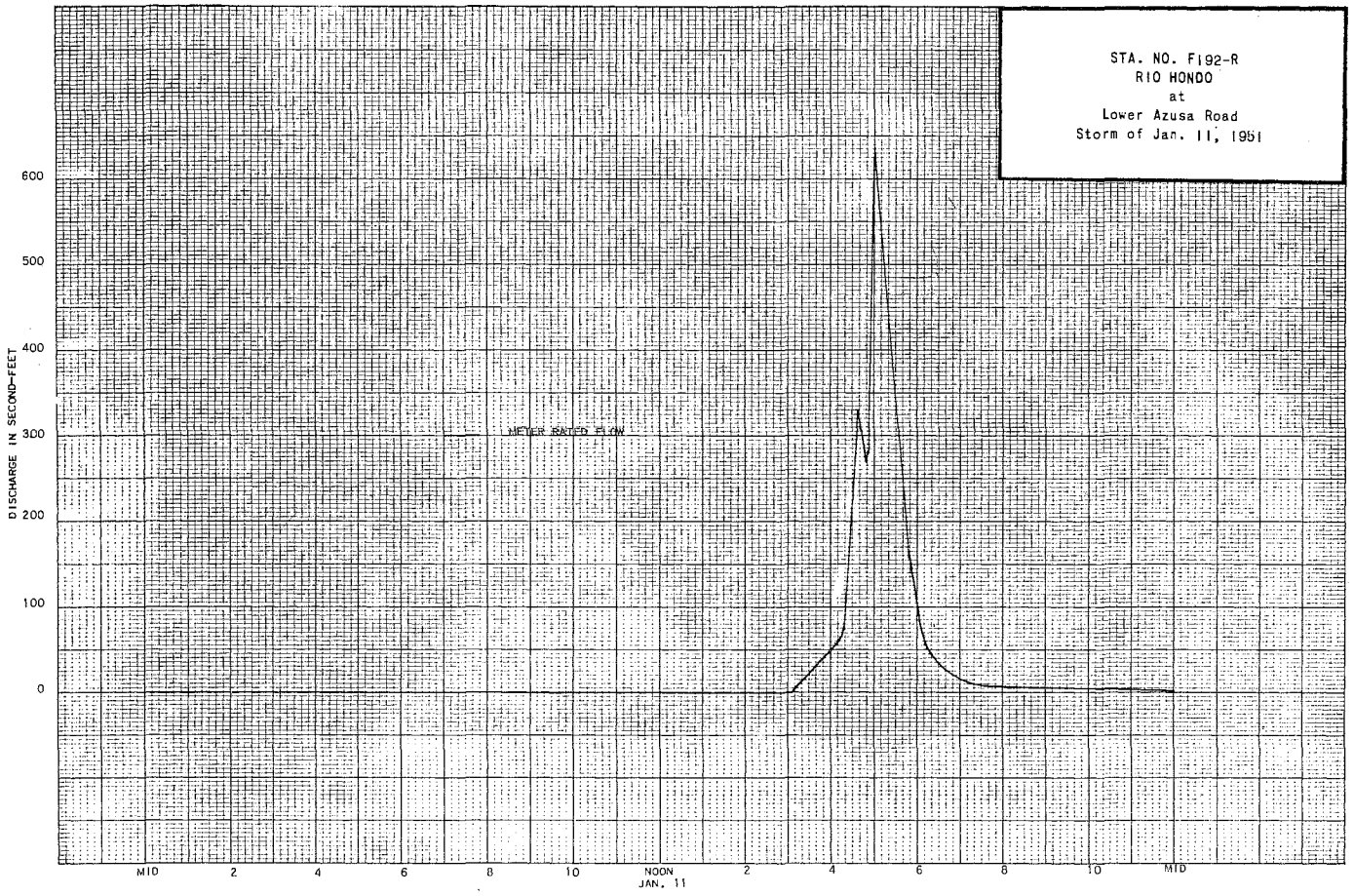
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	6.8	0	0				0
2	0	0	0	0	0	0	0	0				0
3	0	0	0	0	0	0	0.7	0				0
4	0	0	0	0	0	0	1.3	0				0
5	0	0	0	0	0	0	+	0				0
6	0	0	0	0	0	0	0	0				0
7	0	0	0	0	0	0	0	0				0
8	0	0	0	0	0	0	0	0				0
9	0	0	0	0	0	0	0	0				0
10	0	0	0	2.3	0	0	0	0				0
11	0	0	0	27	0	0	0	0				0
12	0	0	0	0.3	0	0	0	0				0
13	0	0	0	0	0	0	0	0.4				0
14	0	0	0	0	0	0	0	0.3				0
15	0	0	0	0	0	0	0	0	Stopped for summer			0
16	0	0.8	0	0	0	0	0	0				0
17	0	0	0	0	0	0	0	0				0
18	0	2.2	0	0	0	0	0	0				0
19	0	6.8	0	8.4	0	0	0	0				0
20	0	+	0	0	0	0	0	0				0
21	0	0	0	0	0	0	0	0				0
22	0	0	0	0	0	0	0	0				0
23	0	0	0	0	1.0	0	0	0				0
24	0	0	0	0	0.1	0	0	0				0
25	0	0	0	0	0	0	4.9	0				0
26	0	0	0	0	1.1	0	0	0				0
27	0.6	0	0	0	0.9	0	0	0				0
28	0	0	0	0	0	0	2.4	0				0
29	0	0	0	27		0	1.0	0				0
30	0	0	0	0		0	0	0				0
31	0		0	0		0		0				
	0.6	98	0	650	31	68	319	07				0
MEAN	0.02	0.33	0	2.10	0.10	0.22	1.06	0.02	0	0	0	0
ACRE-FEET	1.2	19.	0	129.	6.2	14.	63.	1.4	0	0	0	0

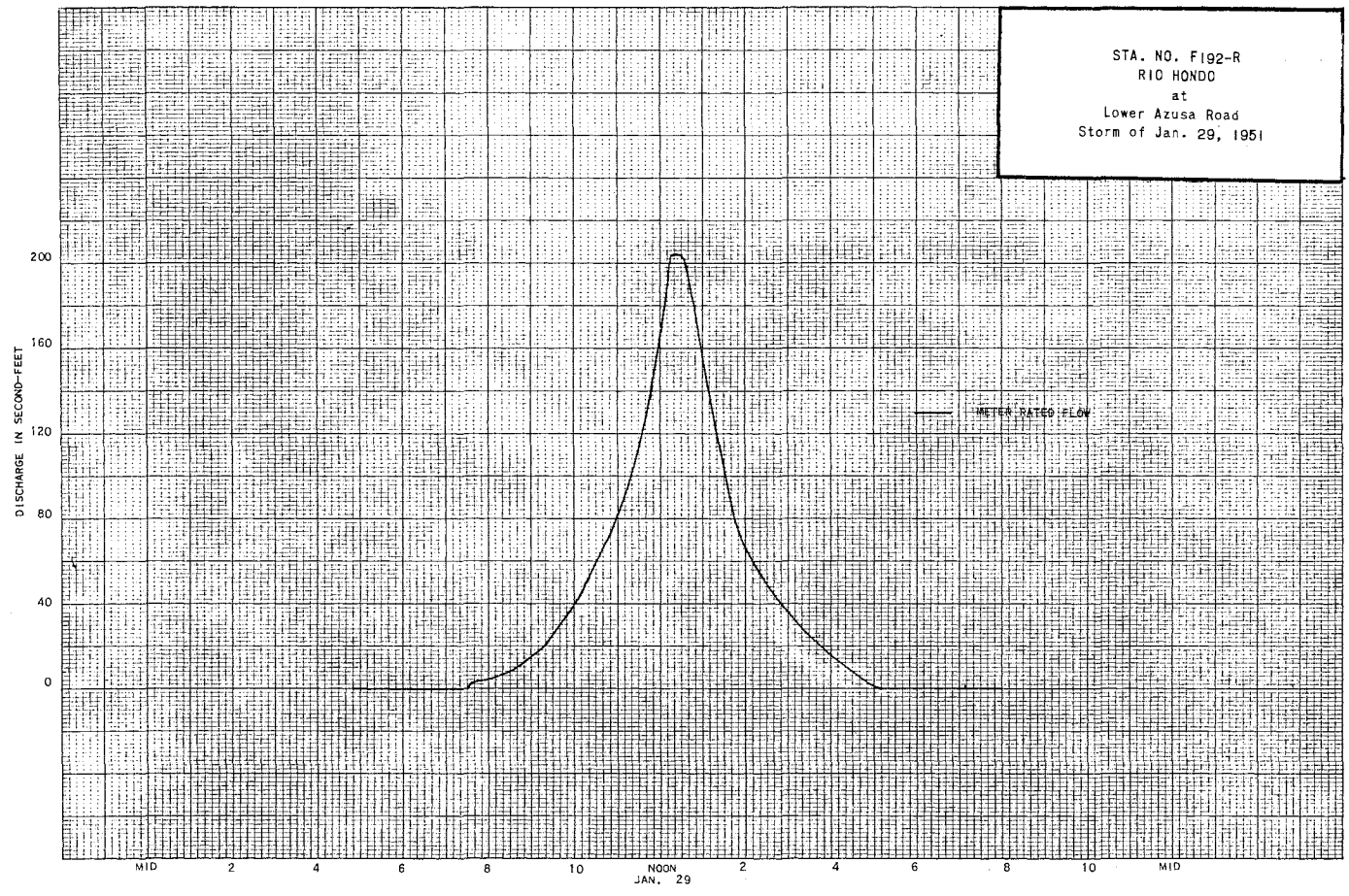
Remarks: + = 0.05 c.f.s. or less.

YEAR OR PERIOD MEAN 0.32
ACRE-FEET 234.


STA. NO. F192-R
RIO HONDO
at
Lower Azusa Road
Storm of Dec, 18, 1949
METER RATED FLOW
CALCULATED FLOW
DISCHARGE IN SECOND-FEET
0
20
40
60
80
100
120
8
10
NOON
DEC. 18
2
4
6
8
10
MID


STA. NO. F192-R
RIO HONDO
at
Lower Azusa Road
Storm of Feb. 6, 1950
METER RATED FLOW
DISCHARGE IN SECOND-FEET
0
10
20
30
40
50
60
70
MID
2
4
6
8
10
NOON
FEB. 6
2
4
6
8
10
MID


STA. NO. F192-R
RIO HONDO
at
Lower Azusa Road
Storm of Jan. 11, 1951
DISCHARGE IN SECOND-FEET
600
500
400
300
200
100
0
METER RATED FLOW
MID
2
4
6
8
10
NOON
JAN. 11
2
4
6
8
10
MID


STA. NO. F192-R
RIO HONDO
at
Lower Azusa Road
Storm of Jan. 29, 1951
DISCHARGE IN SECOND-FEET
200
160
120
80
40
0
METER RATED FLOW
MID
2
4
6
8
10
NOON
JAN. 29
2
4
6
8
10
MID

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 1,000 FEET ABOVE MISSION (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 FEET.

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 F64B-R ON MISSION BRIDGE. REMOVED ON MARCH 26, 1938. REINSTALLED AT STATION F64-R IN A 48-INCH DIAMETER CORRUGATED IRON PIPE WHICH SERVES BOTH AS A STILLING WELL AND SHELTER HOUSE. AN AU CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1949 TO SEPTEMBER 30, 1951.

REGULATION: FLOW PARTIALLY REGULATED BY SIERRA MADRE DAM, BIG SANTA ANITA DAM, SAWPIT DAM, EATON DAM, LAS FLORES AND RUBIO DEBRIS BASINS, AND SANTA FE DAM.

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, 1951. (FOR RECORDS PRIOR TO JULY 1928, SEE STATE DIVISION OF WATER RIGHTS BULLETINS). (RECORDS FROM MARCH 6, 1938 TO MARCH 25, 1938 ARE FROM STATION F64B-R).

EXTREMES OF DISCHARGE:

1949-50
MAXIMUM 2340 SECOND-FEET, FEBRUARY 6.
MINIMUM 4.4 SECOND-FEET, AUGUST 10.
1950-51
MAXIMUM 2900 SECOND-FEET, JANUARY 11.
MINIMUM 2.6 SECOND-FEET, SEPTEMBER 18.
1928-51
MAXIMUM 28,000 SECOND-FEET, ESTIMATED MARCH 2, 1938.
MINIMUM 2.6 SECOND-FEET, SEPTEMBER 18, 1951.

ACCURACY: GOOD.

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, 1950

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1290	10-6	0810 / 0920	WADDICOR - LINDSAY	14.0	8.26	1.04	3.17	8.6		.6 / .5	9	+.02	FC37
1291	10-13	0817 / 0827	WADDICOR	15.0	7.46	0.88	3.10	6.6		.6 / .5	9	0	"
1292	10-20	0843 / 0853	"	14.5	6.99	0.94	3.13	6.6		.6 / .5	9	0	"
1293	10-27	0802 / 0813	"	14.0	7.00	0.86	3.13	6.0		.6 / .5	7	0	"
1294	11-3	0825 / 0835	"	14.0	6.83	0.89	3.14	6.1		.6 / .5	8	0	"
1295	11-10	0820 / 0900	WADDICOR - PAYNE	85.0	252.	5.55	6.11	1400.		.6	9	-.02	"
1296	11-10	0910 / 0920	"	85.0	232.	5.26	5.95	1220.		.6	9	-.04	"
1297	11-11	1050 / 1100	"	12.5	6.90	1.68	3.04	11.6		.6 / .5	7	0	"
1298	11-17	0905 / 0917	WADDICOR	14.0	6.75	1.30	2.92	8.8		.6	8	0	"
1299	11-23	0858 / 0908	"	15.0	6.91	1.34	2.91	9.3		.6 / .5	9	0	"
1300	12-1	0847 / 0857	"	14.0	6.09	1.26	2.91	7.7		.6	8	0	"
1301	12-8	0145 / 0202	WADDICOR - PAYNE	73.0	87.0	2.88	4.32	250.		.6	12	+.02	"
1302	12-8	0220 / 0232	"	73.0	87.4	2.57	4.33	225.		.6	8	0	"
1303	12-8	1515 / 1527	"	76.0	71.7	1.96	3.96	140.		.6	10	-.07	"
1304	12-15	0903 / 0914	WADDICOR - SPENCER	13.0	6.80	1.38	2.93	9.4		.6	10	0	"
1305	12-18	1022 / 1040	WADDICOR - PAYNE	85.0	191.	4.12	5.05	786.		.6	9	+.02	"
1306	12-18	1112 / 1125	"	85.0	180.	5.10	5.17	921.		.6	9	-.06	"
1307	12-18	1643 / 1655	"	86.0	225.	6.70	5.43	1510.		.6	10	-.15	"
1308	12-19	0915 / 0925	"	30.0	19.2	1.58	2.94	30.4		.6	8	0	"
1309	12-19	1314 / 1326	"	65.0	90.5	3.36	4.07	303.		.6	7	-.06	"
1310	12-19	1340 / 1352	"	65.0	82.8	3.38	3.95	280.		.6	7	-.10	"
1311	12-22	0857 / 0911	REINHARD - WADDICOR	19.4	8.79	1.33	2.76	11.7		.6	12	0	"
1312	12-29	0852 / 0902	WADDICOR	17.5	6.91	1.32	2.74	9.1		.6	10	0	"
1313	1-5	0852 / 0902	"	17.3	7.60	1.37	2.72	10.4		.6	10	0	"
1314	1-8	1710 / 1725	WADDICOR - PAYNE	85.0	187.	5.56	5.45	1040.		.6	9	+.05	"
1315	1-8	1730 / 1745	"	85.0	172.	5.86	5.51	993.		.6	9	+.01	"
1316	1-9	1205 / 1215	"	15.5	10.2	1.57	2.74	16.0		.6	8	0	"
1317	1-11	1015 / 1025	"	22.5	16.4	2.33	3.01	38.2		.6	8	+.01	"
1318	1-11	1120 / 1132	"	57.0	54.6	2.62	3.38	143.		.6	9	+.10	"
1319	1-11	1135 / 1147	"	57.0	64.7	2.56	3.55	166.		.6	9	+.19	"
1320	1-11	1316 / 1332	"	70.0	95.0	3.15	4.03	299.		.6	10	+.07	"
1321	1-11	1345 / 1400	"	70.0	108.	3.23	4.06	349.		.6	10	0	"
1322	1-11	1712 / 1727	"	85.0	168.	5.58	4.84	938.		.6	10	-.16	"
1323	1-11	1730 / 1742	"	85.0	161.	5.24	4.72	843.		.6	10	-.16	"
1324	1-12	0820 / 0930	"	18.0	11.4	1.68	2.74	19.2		.6	9	0	"
1325	1-12	1227 / 1239	"	85.0	110.	3.64	4.18	401.		.6	9	+.05	"
1326	1-12	1312 / 1327	"	85.0	117.	3.13	4.12	366.		.6	9	-.18	"
1327	1-19	0907 / 0917	WADDICOR	15.0	7.83	1.65	2.72	12.9		.6	8	0	"
1328	1-26	0835 / 0845	"	14.8	6.64	1.49	2.72	9.9		.6	9	0	"
1329	2-2	0818 / 0828	"	16.5	6.42	1.22	2.72	7.8		.6	9	0	"
1330	2-6	0902 / 0920	WADDICOR - PAYNE	86.0	207.	5.56	4.96	1150.		.6	10	-.09	"
1331	2-6	0930 / 0945	"	86.0	171.	5.06	4.66	865.		.6	10	-.01	"
1332	2-6	1358 / 1422	"	60.0	86.8	3.33	3.54	289.		.6	7	-.09	"
1333	2-6	1422 / 1432	"	60.0	70.2	2.76	3.47	194.		.6	7	-.06	"
1334	2-7	1012 / 1022	"	15.0	9.53	1.83		17.4		.6	8		"
1335	2-8	0845 / 0857	WADDICOR	18.2	9.36	1.48		13.8		.6	9		"
1336	2-9	0845 / 0855	"	17.5	9.37	1.43	2.54	13.9		.6	9	0	"
1337	2-11	0955 / 1005	"	14.5	9.47	1.85	2.58	17.6		.6	9	0	"
1338	2-16	0905 / 0915	"	16.0	8.85	1.38	2.52	12.2		.6	10	0	"
1339	2-23	0807 / 0817	"	14.3	7.39	1.42	2.50	10.5		.6	9	0	"
1340	3-2	0822 / 0834	WADDICOR - BROWN	15.8	7.83	1.37	2.46	10.7		.6	11	0	"
1341	3-9	0845 / 0855	WADDICOR	15.4	8.02	1.35	2.45	10.8		.6	10	0	"
1342	3-16	0857 / 0907	"	11.7	6.99	1.37	2.43	9.6		.6	9	0	"
1343	3-23	0848 / 0858	"	12.0	7.06	1.37	2.41	9.7		.6	9	0	"
1344	3-24	2305 / 2320	WADDICOR - PAYNE	85.0	121.	3.22	4.15	390.		.6	9	-.05	"
1345	3-25	0005 / 0020	"	85.0	110.	3.49	3.80	384.		.6	9	-.05	"
1346	3-25	0917 / 0927	"	11.5	7.18	2.10	2.51	15.1		.6	7	0	"
1347	3-29	0853 / 0903	WADDICOR	17.0	7.47	1.35	2.42	10.1		.6 / .5	10	0	"
1348	3-30	0838 / 0848	"	17.0	7.55	1.35	2.42	10.2		.6 / .5	9	0	"
1349	4-6	0843 / 0853	"	16.7	7.09	1.30	2.40	9.2		.6 / .5	10	0	"
1350	4-13	0847 / 0857	"	15.5	6.86	1.40	2.54	9.6		.6	10	0	"
1351	4-20	0840 / 0850	"	15.5	6.19	1.36	2.50	8.4		.6 / .5	9	0	"
1352	4-27	0828 / 0838	"	15.3	6.71	1.28	2.48	8.6		.6 / .5	10	0	"
1353	5-4	0853 / 0903	"	17.0	6.50	1.23	2.47	8.0		.6 / .5	10	0	"
1354	5-11	0840 / 0850	"	13.3	5.82	1.31	2.42	7.6		.6 / .5	9	0	"
1355	5-17	0825 / 0835	BONADIMAN	12.0	5.47	1.39	2.43	7.6		.6	7	0	FC46
1356	5-24	0744 / 0758	"	16.0	6.38	1.24	2.43	7.9		.6	9	0	"
1357	5-31	0804 / 0818	"	16.0	6.34	1.12	2.46	7.1		.6	10	0	"
1358	6-7	0816 / 0828	"	14.0	5.92	1.50	2.52	8.9		.6	8	0	"
1359	6-14	0750 / 0804	"	17.0	5.93	1.08	2.47	6.4		.6	9	0	"
1360	6-21	0746 / 0759	"	18.0	7.47	0.94	2.49	7.0		.6	9	0	"
1361	6-28	0800 / 0818	"	17.0	7.23	0.94	2.49	6.8		.6	11	0	"
1362	7-5	0814 / 0830	"	21.0	6.79	0.80	2.49	5.4		.6	10	0	"
1363	7-12	0752 / 0804	"	18.0	6.17	1.05	2.47	6.5		.6	9	0	"
1364	7-19	0738 / 0754	"	18.0	6.23	0.87	2.47	5.4		.6	9	0	"
1365	7-26	0800 / 0818	"	18.0	9.54	0.64	2.49	6.1		.6	11	0	"
1366	8-2	0816 / 0830	"	20.0	12.0	0.52	2.48	6.2		.6	11	0	"
1367	8-9	0714 / 0735	"	16.0	5.14	1.09	2.49	5.6		.6	8	0	"
1368	8-16	0809 / 0819	"	15.0	5.54	0.96	2.49	5.3		.6	8	0	"
1369	8-23	0804 / 0818	"	14.0	4.59	1.00	2.50	4.6		.6	10	0	FC19
1370	8-30	0818 / 0828	"	16.0	5.04	0.91	2.50	4.6		.6	8	0	"
1371	9-6	0840 / 0851	WADDICOR	11.0	4.93	1.18	2.53	5.8		.6 / .5	8	0	FC37
1372	9-13	0830 / 0840	"	11.3	4.87	1.07	2.53	5.2		.6 / .5	8	0	"
1373	9-17	1840 / 1855	"	TWO CHANNELS				2.95	34.3	.6	9	-.02	"
1374	9-20	0855 / 0905	"	23.0	11.3	0.49	2.51	5.5		.6 / .5	8	0	"
1375	9-27	0806 / 0818	BONADIMAN	24.0	12.6	0.41	2.48	5.2		.6	9	0	FC19

DISCHARGE MEASUREMENTS OF RIO HONDO

~~AT~~ NEAR above Mission Bridge DURING THE YEAR ENDING SEPTEMBER 30, 19 51

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1376	10-4	0843 / 0857	BONADIMAN	21.5	13.2	0.42	2.49	5.5		.6	10	0	FC19
1377	10-11	0826 / 0845	THOMAS-BONADIMAN	10.0	4.42	1.29	2.49	5.7		.6	8	0	"
1378	10-18	0810 / 0822	BONADIMAN	11.0	4.39	1.30	2.46	5.7		.6	9	0	FC46
1379	10-25	0804 / 0816	"	10.0	4.73	1.37	2.48	6.5		.6	8	0	"
1380	10-27	0934 / 0948	"	50.0	40.6	1.75	3.20	71.		.6	12	-.04	"
1381	11-1	0947 / 0957	WADDICOR	TWO	CHANNELS		3.05	5.7		.5 / .6	9	0	FC37
1382	11-2	0804 / 0814	"	"	"		3.05	5.9		.5 / .6	9	0	"
1383	11-9	0832 / 0844	"	"	"		2.65	6.1		.6	11	0	"
1384	11-13	2030 / 2040	"	41.0	36.4	2.03	3.21	74.		.6	10	-.07	"
1385	11-16	0845 / 0902	"	15.0	8.55	0.73	2.49	6.2		.6	11	0	"
1386	11-20	0850 / 0900	WADDICOR-JOHNSON	16.0	5.87	1.22	2.56	7.2		.6	11	-.01	"
1387	11-24	0753 / 0803	WADDICOR	16.0	7.23	0.98	2.50	7.1		.5 / .6	11	0	"
1388	11-30	0903 / 0913	"	16.0	6.18	1.07	2.50	6.6		.5 / .6	11	0	"
1389	12-7	0812 / 0823	"	13.0	5.26	1.18	2.50	6.2		.5 / .6	9	0	"
1390	12-14	0840 / 0852	"	15.2	6.33	0.98	2.52	6.2		.5 / .6	11	0	"
1391	12-21	0848 / 0858	"	15.0	6.61	1.20	2.52	7.9		.5 / .6	10	0	"
1392	12-28	0845 / 0857	"	16.2	6.43	1.01	2.53	6.5		.5 / .6	12	0	"
1393	1-4	0833 / 0843	"	15.7	6.09	1.00	2.53	6.1		.5 / .6	11	0	"
1394	1-10	1230 / 1255	WADDICOR-VAN BUREN	85.0	212.	4.85	5.09	1029.		.6	11	+.21	"
1395	1-10	1300 / 1311	"	85.0	194.	4.55	4.92	883.		.6	11	-.15	"
1396	1-11	1010 / 1020	WADDICOR	22.0	16.3	0.98	2.53	16.		.6	10	0	"
1397	1-11	1625 / 1700	WADDICOR-PAYNE	85.0	278.	6.13	6.21	1699.		.6	10	-.82	"
1398	1-11	1705 / 1735	PAYNE-WADDICOR	85.0	265.	5.85	5.24	1549.		.6	10	-.17	"
1399	1-15	0855 / 0915	PAYNE-STUNDEN	50.0	65.5	2.26	3.23	148.		.6	11	-.17	"
1400	1-18	1040 / 1050	WADDICOR-VAN BUREN	34.0	16.7	0.43	2.41	7.2		.5 / .6	10	0	"
1401	1-25	0840 / 0850	WADDICOR	14.8	5.45	1.28	2.42	7.0		.5 / .6	10	0	"
1402	1-29	1330 / 1400	WADDICOR-VAN BUREN	95.0	229.	6.50	5.15	1489.		.6	12	-.30	"
1403	1-29	1422 / 1442	"	95.0	166.	4.21	4.56	698.		.6	11	-.28	"
1404	1-30	1522 / 1532	"	14.7	8.76	1.79	2.54	15.7		.6	9	0	"
1405	2-1	0850 / 0900	WADDICOR	12.2	8.02	1.10	2.40	8.8		.6	9	-.01	"
1406	2-8	0847 / 0857	"	12.3	5.95	0.95	2.39	6.6		.6	9	0	"
1407	2-15	0840 / 0857	HOLLERON-WADDICOR	12.0	7.06	0.98	2.38	6.6		.6	11	0	"
1408	2-21	0848 / 0858	WADDICOR	12.2	7.20	0.92	2.38	6.6		.6	9	0	"
1409	2-23	0750 / 0800	WADDICOR-VAN BUREN	14.5	7.88	1.28	2.40	10.1		.6	9	+.02	"
1410	2-23	1403 / 1416	"	15.5	11.9	1.50	2.54	17.9		.6	10	0	"
1411	3-1	0742 / 0801	"	70.0	129.	4.11	4.31	530.		.6	9	+.12	"
1412	3-1	0810 / 0820	"	70.0	122.	4.60	4.47	561.		.6	9	+.05	"
1413	3-1	1608 / 1620	"	52.0	27.1	2.36	3.63	64.1		.6	13	-.16	"
1414	3-8	0837 / 0847	WADDICOR	16.9	5.75	1.22	2.53	7.0		.6	11	0	"
1415	3-15	0833 / 0843	"	16.5	5.32	1.15	2.51	6.1		.5 / .6	11	0	"
1416	3-22	0843 / 0853	"	16.3	5.40	1.18	2.49	6.4		.5 / .6	11	0	"
1417	3-28	0908 / 0918	"	15.9	4.90	1.06	2.47	5.2		.5 / .6	11	0	"
1418	4-5	0815 / 0825	"	14.6	7.53	1.38	2.60	10.4		.5 / .6	10	0	"
1419	4-11	0852 / 0902	"	16.6	6.09	1.07	2.53	6.5		.5 / .6	11	0	"
1420	4-19	0622 / 0832	"	15.2	5.76	1.14	2.55	6.6		.5 / .6	10	0	"
1421	4-25	1659 / 1710	WADDICOR-VAN BUREN	55.0	116.	3.05	4.22	354.		.6	8	-.10	"
1422	4-25	1712 / 1722	"	55.0	108.	3.28	4.11	354.		.6	9	-.12	"
1423	4-26	0826 / 0842	WADDICOR	TWO	CHANNELS		2.56	8.4		.6	13	0	"
1424	4-28	2100 / 2115	WADDICOR-VAN BUREN	69.0	225.	8.11	5.50	1830.		.6	9	0	"
1425	4-28	2125 / 2135	"	69.0	235.	4.51	5.23	1060		.6	9	-.04	"
1426	5-3	0630 / 0837	WADDICOR-BOBIK	14.4	4.97	1.19	2.45	5.9		.5 / .6	10	0	"
1427	5-10	0850 / 0900	WADDICOR	14.2	5.88	1.14	2.35	6.7		.5 / .6	10	0	"
1428	5-17	0803 / 0813	"	14.3	5.14	1.07	2.39	5.5		.5 / .6	10	0	"
1429	5-24	0840 / 0850	"	14.3	4.99	1.00	2.39	5.0		.5 / .6	10	0	"
1430	5-31	0900 / 0910	"	10.7	3.28	1.65	2.38	5.4		.5 / .6	7	0	"
1431	6-7	0832 / 0842	"	12.6	4.41	1.04	2.36	4.6		.5 / .6	10	0	"
1432	6-14	0829 / 0839	"	12.4	4.19	1.03	2.36	4.3		.5 / .6	9	0	"
1433	6-21	0833 / 0843	"	13.3	5.21	0.79	2.41	4.1		.5	10	0	"
1434	6-28	0838 / 0851	WADDICOR BRUINGTON-MILLS	13.6	4.55	0.90	2.39	4.1		.5 / .6	10	0	"
1435	7-5	0915 / 0925	WADDICOR	10.7	3.35	1.10	2.38	3.7		.5 / .6	9	0	"
1436	7-12	0853 / 0903	"	12.8	4.94	0.79	2.38	3.9		.5 / .6	10	0	"
1437	7-18	0818 / 0830	BONADIMAN	15.0	5.09	0.65	2.38	3.3		.6	8	0	FC46
1438	7-25	0810 / 0820	"	13.0	3.11	1.16	2.38	3.6		.6	7	0	"
1439	8-2	0903 / 0913	WADDICOR	14.5	3.37	0.92	2.37	3.1		.5	10	0	FC37
1440	8-9	0850 / 0900	"	11.5	3.36	0.86	2.40	2.9		.5	9	0	"
1441	8-16	0842 / 0852	"	12.0	3.40	0.88	2.39	3.0		.5	10	0	"
1442	8-23	0840 / 0850	"	11.3	3.51	0.86	2.39	3.1		.5	11	0	"
1443	8-30	0905 / 0915	"	18.0	6.50	0.95	2.53	6.2		.6	11	0	"
1444	9-5	0847 / 0857	"	16.5	3.94	0.79	2.39	3.1		.5 / .6	10	0	"
1445	9-12	0850 / 0900	WADDICOR-WADDICOR	14.5	4.67	0.71	2.43	3.3		.5	9	0	"
1446	9-20	0912 / 0922	WADDICOR	9.5	3.54	0.86	2.53	3.1		.5	8	0	"
1447	9-27	0903 / 0913	"	11.2	3.92	0.84	2.51	3.3		.5	9	0	"

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F54-R

Daily discharge, in second-feet of RIO HONDO above Mission Bridge for the year ending September 30, 19 50

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	6.6	6.2	7.8	9.0	8.2	9.9	9.9	8.2	6.2	a 5.8	7.0	4.9
2	5.8	6.2	7.8	9.0	7.8	9.9	8.6	9.0	6.6	5.6	6.2	5.0
3	7.0	6.2	7.8	9.9	7.8	11	8.6	11	7.0	5.4	6.6	5.0
4	7.4	5.8	7.8	9.9	7.8	11	9.0	7.8	6.2	a 5.2	5.8	6.2
5	8.6	6.2	7.8	11	8.6	11	9.0	7.0	5.8	4.9	6.6	5.4
6	8.2	6.2	7.8	11	5.5	11	9.0	7.4	9.7	5.0	5.0	7.0
7	7.8	7.4	7.8	11	4.0	11	9.0	6.6	7.8	5.0	5.0	7.4
8	6.6	7.8	11.4	24	13	11	16.0	7.0	7.4	5.0	4.8	7.8
9	5.8	d 2	12	17	13	12	d 0	6.6	7.0	13	4.8	5.0
10	6.2	5.8	11	12	9.8	11	8.6	6.6	6.6	6.2	4.7	4.9
11	6.6	11	9.9	22.3	22	11	8.6	7.0	6.2	6.2	4.8	6.2
12	6.6	7.8	11	66	14	12	9.0	7.0	6.6	6.2	4.9	5.0
13	7.0	7.4	9.9	13	13	11	9.9	7.4	6.2	6.2	4.9	4.9
14	7.8	8.2	9.9	21	13	11	9.9	7.4	6.2	5.4	4.8	4.8
15	7.4	8.2	9.0	13	13	11	8.6	7.4	6.2	5.8	4.8	4.8
16	7.8	8.6	9.0	13	13	9.9	7.8	7.8	6.6	5.8	4.9	4.9
17	9.0	9.0	9.0	13	12	11	8.2	7.8	6.6	5.8	4.8	d 3
18	8.6	9.0	8.0.8	13	12	11	7.8	7.4	6.6	5.0	5.4	7.4
19	7.0	9.0	13.9	13	12	9.9	8.2	7.8	6.6	5.4	4.6	6.2
20	6.2	9.9	16	13	12	11	8.2	7.4	6.6	5.4	4.6	5.0
21	6.6	12	13	13	9.9	9.9	7.8	7.0	6.6	5.8	4.7	5.0
22	6.6	11	13	12	13	11	8.6	7.0	6.6	6.2	4.6	4.9
23	6.6	9.9	13	12	11	11	8.2	7.8	6.6	6.2	4.8	5.8
24	5.8	9.0	12	11	9.0	23.4	8.6	7.4	6.6	5.8	4.8	5.0
25	5.4	9.0	11	11	9.0	7.4	8.6	7.0	6.2	6.2	4.9	5.8
26	5.4	9.0	11	9.9	9.0	8.2	8.6	6.6	6.2	6.2	4.8	5.4
27	6.2	8.6	9.0	9.0	9.0	9.0	8.6	7.8	6.2	7.0	4.8	5.4
28	6.2	8.6	9.9	4.2	9.0	9.9	8.6	7.8	6.2	6.6	4.8	5.4
29	6.2	8.6	9.9	41		9.9	8.6	7.0	a 6.2	6.6	4.7	5.0
30	5.8	8.2	9.0	9.0		9.0	8.6	7.6	a 6.0	7.4	4.6	5.0
31	5.8		9.0	8.6		9.0		6.6		6.6	4.8	
	210.6	874.0	1342.1	703.3	954.1	512.5	482.7	231.4	198.1	168.9	157.3	243.5
MEAN	6.8	29.	43.	23.	34.	20.	16.	7.5	6.6	5.1	5.1	8.1
ACRE-FEET	418.	1730.	2660.	1390.	1890.	1210.	957.	459.	393.	375.	312.	483

Remarks:

YEAR OR PERIOD MEAN ACRE-FEET 17. 12280.

78D74M F. C. Dist. 55 9-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

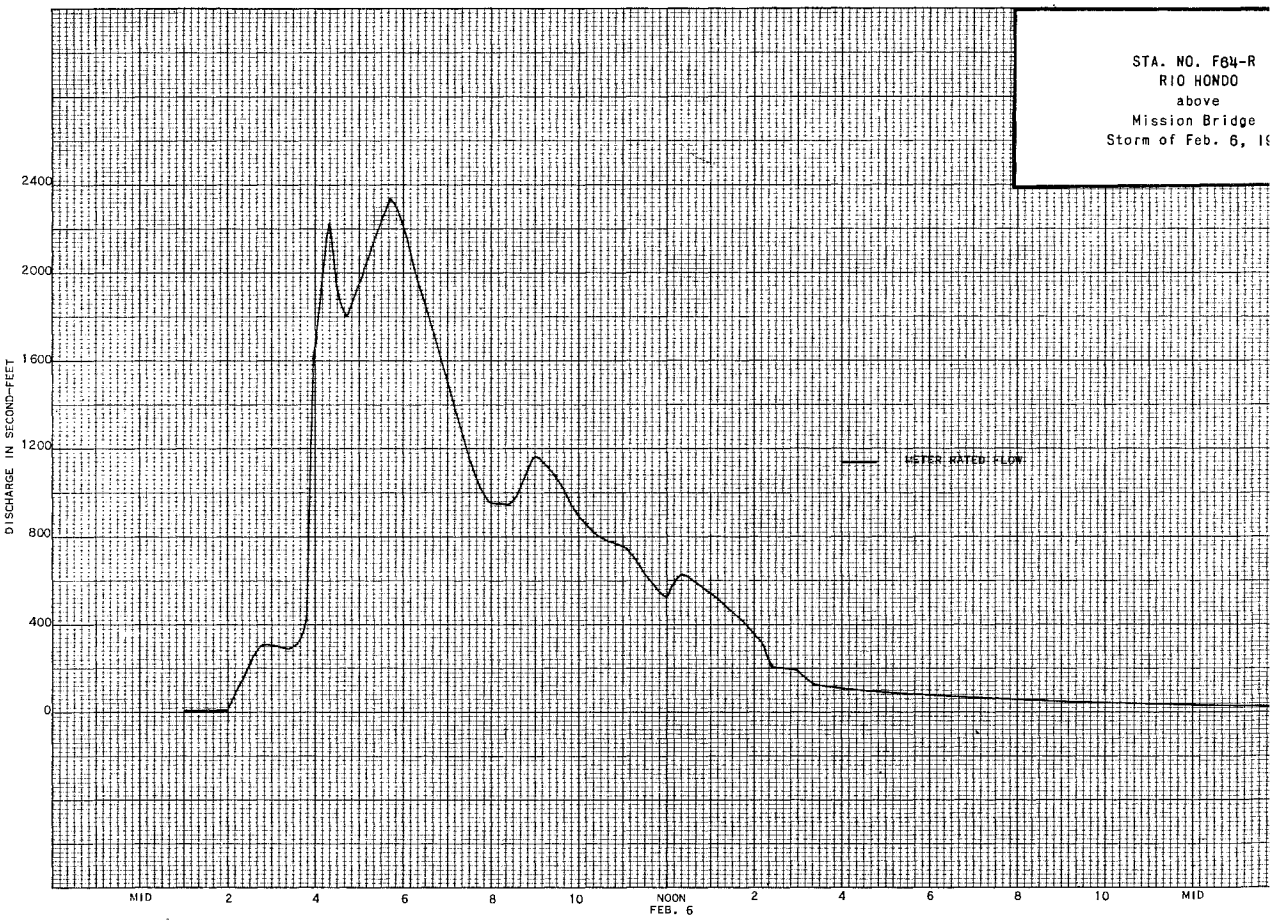
Sta. No. F84R

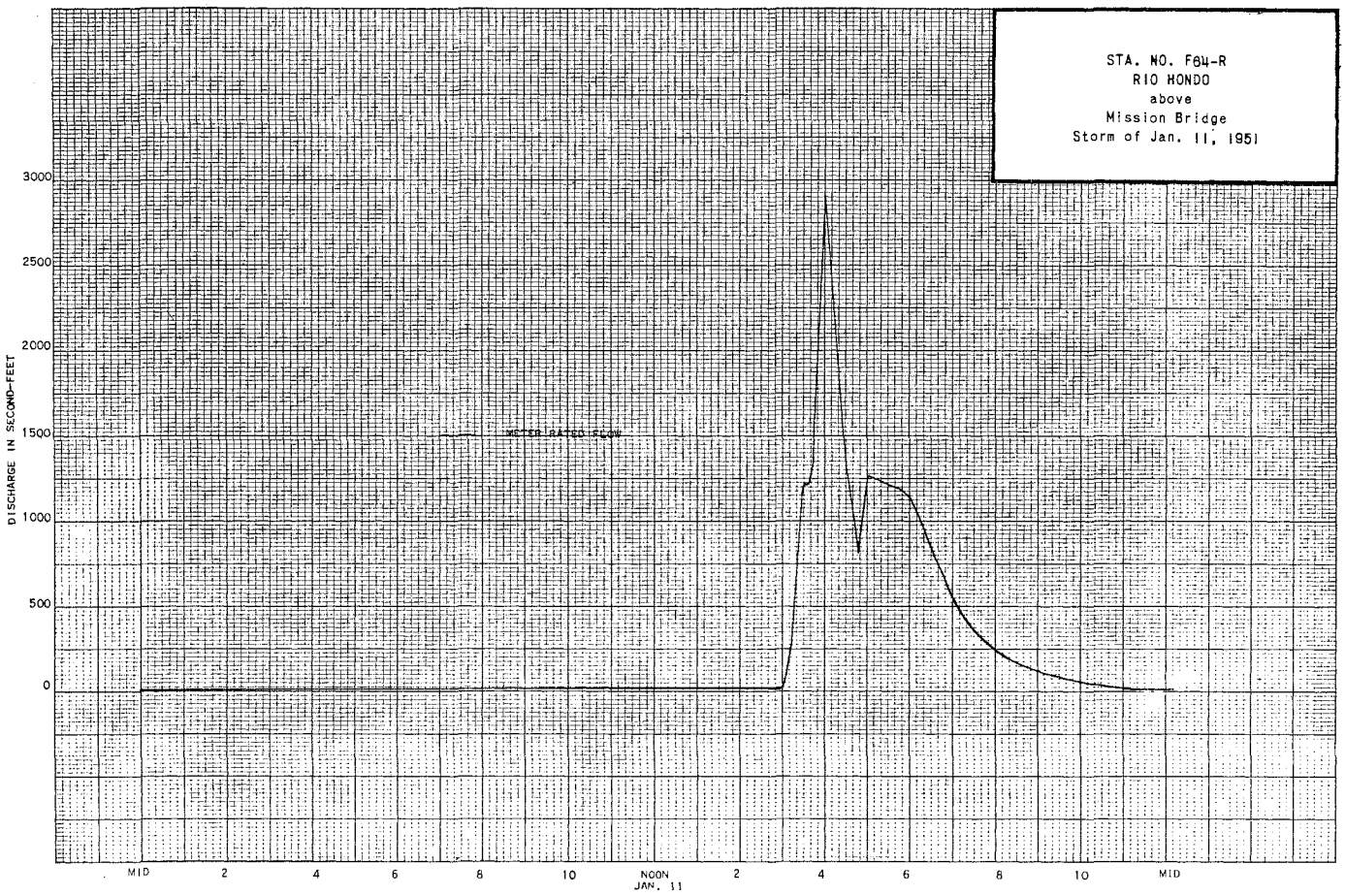
Daily discharge, in second-feet of RIO HONDO above Mission Bridge for the year ending September 30, 1951

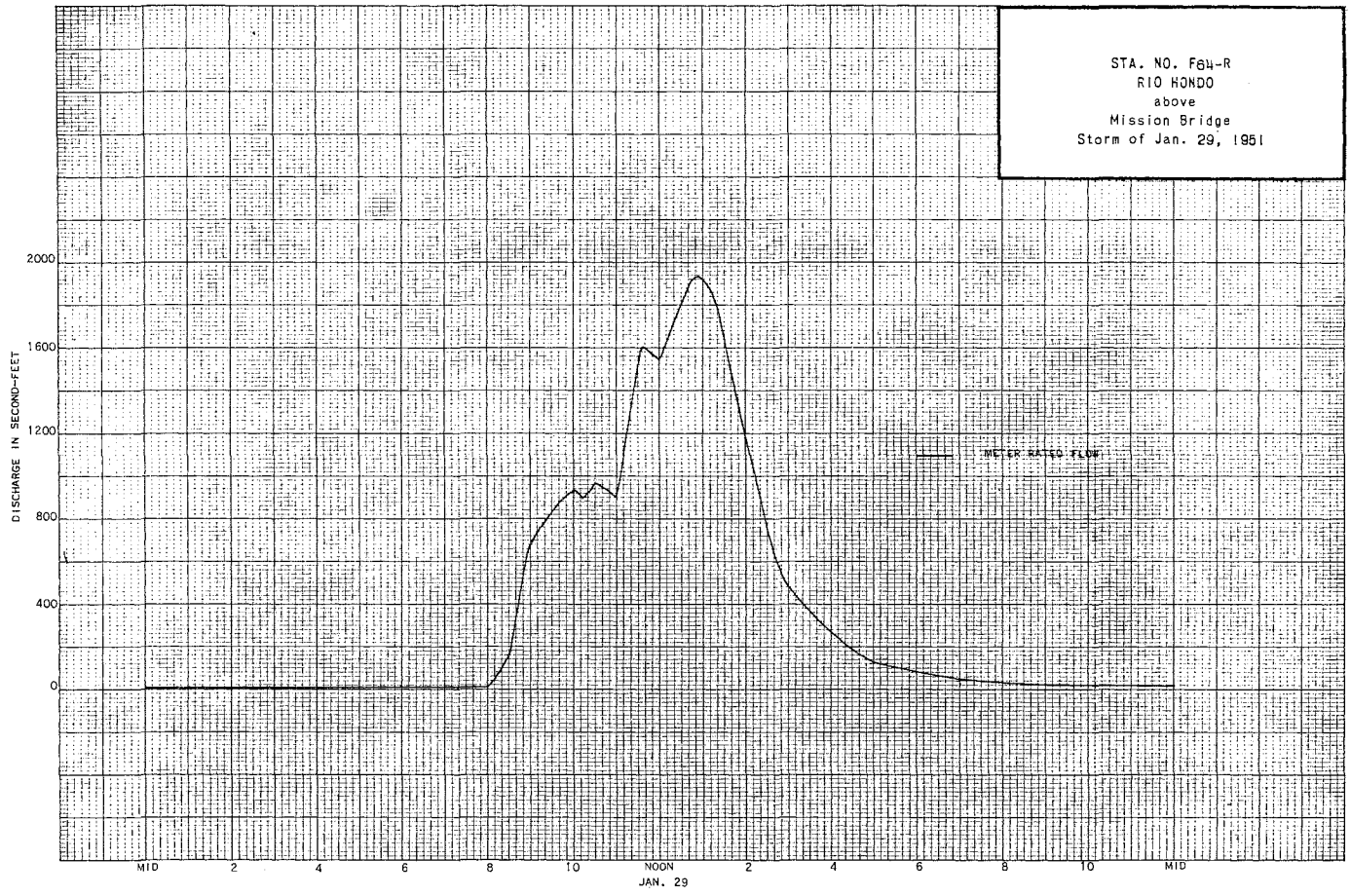
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5.4	5.4	6.6	5.4	11	116	5.0	5.8	5.4	4.0	3.2	4.0
2	5.4	5.4	6.6	5.4	9.0	8.2	5.0	5.8	5.0	3.8	3.1	3.6
3	5.0	7.2	6.6	6.2	8.2	7.4	29	5.8	4.8	3.9	3.2	3.6
4	5.0	9.0	6.2	11	7.8	7.8	68	6.2	4.6	3.8	3.1	4.2
5	5.4	8.2	6.2	7.0	7.4	7.8	6.6	6.2	4.7	3.6	3.1	4.9
6	5.4	7.8	6.2	5.0	7.0	8.2	6.6	4.9	4.7	3.6	2.8	4.3
7	5.4	7.0	6.2	4.9	7.0	7.0	7.0	4.7	4.7	3.5	3.3	3.3
8	5.8	6.6	6.6	4.9	a 6.6	7.4	7.0	4.3	4.8	3.6	3.4	3.0
9	6.2	6.2	6.2	5.0	6.6	7.0	6.6	4.0	4.7	3.6	2.9	3.0
10	5.8	5.0	5.8	111	6.6	8.2	6.6	4.0	4.6	3.8	2.8	3.2
11	5.6	5.0	5.8	245	6.6	7.4	5.8	4.3	4.3	3.8	2.9	3.3
12	5.0	5.0	5.8	18	6.6	7.0	5.8	4.1	4.4	3.9	2.8	3.3
13	5.0	37	5.8	16	6.6	6.6	5.8	4.2	4.3	3.8	3.3	3.3
14	5.4	18	6.2	15	6.6	6.6	5.8	3.9	4.3	3.8	3.4	3.3
15	5.8	6.6	7.0	15	a 6.6	6.2	5.8	5.0	4.3	3.7	3.3	3.3
16	6.2	5.8	6.6	62	6.6	6.6	6.6	5.0	4.1	3.6	3.6	3.3
17	6.2	5.4	6.6	7.0	6.6	7.0	6.6	5.4	4.1	3.4	3.2	3.4
18	6.2	28	6.2	24	6.6	6.6	6.2	5.0	4.4	3.4	3.2	2.7
19	5.8	109	6.6	115	6.6	6.6	6.2	4.6	4.1	3.4	3.0	2.9
20	6.2	9.5	7.0	8.6	6.6	6.2	5.8	4.6	4.1	3.4	3.5	3.0
21	6.6	6.6	a 7.9	7.8	7.0	6.2	5.4	4.4	4.1	3.5	3.1	3.1
22	5.8	5.8	7.7	7.8	13	6.6	5.0	4.3	4.1	3.5	3.5	3.2
23	6.2	5.8	7.5	8.2	70	6.2	5.0	4.1	4.1	3.6	3.4	3.3
24	5.8	6.2	7.3	7.4	16	6.2	4.9	4.0	4.3	3.7	3.1	3.5
25	6.2	7.0	7.2	7.0	8.2	5.6	153	4.1	4.1	3.8	3.2	3.5
26	7.5	6.6	7.0	8.6	65	5.4	8.6	4.3	4.1	3.5	3.3	3.6
27	39	6.6	6.8	7.4	35	5.4	6.6	4.5	4.2	3.4	4.3	3.3
28	7.0	6.2	a 6.6	7.0	6.6	5.4	294	4.7	4.1	3.3	5.1	3.5
29	6.6	6.2	6.6	355		5.4	41	4.8	4.1	3.3	9.3	3.7
30	5.7	6.6	6.6	16		5.4	8.2	5.4	4.0	3.2	5.0	3.5
31	5.4		6.6	13		5.0		5.4		3.2	4.1	
	214.2	360.7	204.6	1136.6	364.0	314.8	739.5	182.9	131.6	111.4	110.5	103.1
MEAN	6.91	12.0	6.60	36.7	13.0	10.2	24.6	5.90	4.39	3.59	3.56	3.44
ACRE-FEET	425.	715.	406.	2250.	720.	624.	1470.	363.	261.	221.	219.	204.

Remarks:

YEAR OR PERIOD MEAN 10.9
ACRE-FEET 7880.




STA. NO. F64-R
RIO HONDO
above
Mission Bridge
Storm of Jan. 11, 1951
DISCHARGE IN SECOND-FEET
3000
2500
2000
1500
1000
500
0
METER RATED FLOW
MID
2
4
6
8
10
NOON
JAN. 11
2
4
6
8
10
MID


STA. NO. F64-R
RIO HONDO
above
Mission Bridge
Storm of Jan. 29, 1951
DISCHARGE IN SECOND-FEET
2000
1600
1200
800
400
0
METER RATED FLOW
MID
2
4
6
8
10
NOON
JAN. 29
2
4
6
8
10
MID

STATION F45-R

RIO HONDO at Stewart and Gray Road

LOCATION: WATER-STAGE RECORDER, LAT. 33°56'40", LONG. 118°09'50", ON THE DOWNSTREAM SIDE OF HIGHWAY BRIDGE, 0.5 MILE UPSTREAM FROM JUNCTION OF RIO HONDO AND LOS ANGELES RIVER AND ABOUT 1.5 MILES WEST OF DOWNEY. THIS STATION IS NEAR THE LOCATION OF THE STATION OPERATED FROM 1923 TO 1928 BY THE STATE DIVISION OF WATER RIGHTS. ELEVATION OF ZERO GAGE HEIGHT, 89.91 FEET.

DRAINAGE AREA: 140 SQUARE MILES. (EXCLUDES DRAINAGE ABOVE SANTA FE DAM.)

CHANNEL AND CONTROL: CHANNEL - CLAY AND SAND BETWEEN GRANITE RIPRAP LEVEE ON LEFT (EAST) BANK AND EARTH LEVEE ON RIGHT BANK. NO ARTIFICIAL CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING NEAR GAGE. HIGH FLOWS MEASURED FROM CABLE CAR 250 FEET ABOVE STATION.

RECORDER: INSTALLED MARCH 1, 1928, OVER A 21-INCH DIAMETER CORRUGATED IRON PIPE STILLING WELL. AN AU CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1949 TO APRIL 18, 1951. RECORDER REMOVED APRIL 18, 1951 FOR CHANNEL CONSTRUCTION.

REGULATION: FLOW PARTIALLY REGULATED BY SIERRA MADRE DAM, BIG SANTA ANITA DAM, SAWPIT DAM, EATON DAM, SANTA FE DAM, LAS FLORES AND RUBIO 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. (FOR RECORDS PRIOR TO MARCH 1928, SEE STATE DIVISION OF WATER RIGHTS BULLETINS.)

EXTREMES OF DISCHARGE:

1949-50
MAXIMUM 1,790 SECOND-FEET, JANUARY 8.
MINIMUM NO FLOW AT VARIOUS TIMES.

1950-51
MAXIMUM 1,080 SECOND-FEET, JANUARY 29.
MINIMUM NO FLOW AT VARIOUS TIMES.

1929-51
MAXIMUM 24,400 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 IN COOPERATION WITH THE UNITED STATES GEOLOGICAL SURVEY, WATER RESOURCES BRANCH.

DISCHARGE MEASUREMENTS OF RIO HONDO

AT ~~NEAR~~ Stewart and Gray Road DURING THE YEAR ENDING SEPTEMBER 30, 19 50

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.
865	11-10	1638 / 1658	BONADIMAN - JOHNSON	57.0	49.0	2.25	4.94	110.		.6	12	-.02	FC19
866	11-11	0852 / 0900	BONADIMAN	7.0	1.05	1.09	3.98	1.8		.5	4	0	"
867	12-18	1410 / 1426	BONADIMAN - GEORGE	55.0	90.0	5.08	5.48	457.		.6	6	+.04	"
868	12-19	0824 / 0840	"	71.0	32.5	1.22	4.35	39.8		.6	11	0	"
869	12-22	0932 / 0934	BONADIMAN	1.0	0.16	0.12	3.73	0.02		.5	2	0	"
870	1-8	2026 / 2050	BONADIMAN - GEORGE	117.0	269.	6.36	6.42	1710.		.6	10	+.27	"
871	1-9	1502 / 1510	"	7.0	1.65	0.79	3.93	1.3		.5	4	0	"
872	1-12	0815 / 0829	REINHARD	9.0	3.06	0.52	3.80	1.6		.6	7	0	"
873	1-13	0922 / 0926	BONADIMAN	3.0	1.20	0.46	3.69	0.55		.5	2	0	"
874	2-6	0637 / 0650	BONADIMAN - GEORGE	110.0	238.	6.47	6.34	1540.		.6	9	+.19	"
875	2-6	0722 / 0736	"	110.0	260.	6.46	6.59	1680.		.6	8	-.02	"
876	2-7	1540 / 1544	BONADIMAN	2.0	0.40	0.85	3.92	0.34		.5	2	0	"
877	3-24	2202 / 2224	BONADIMAN - GEORGE	90.0	120.	3.46	5.02	415.		.6	7	+.09	"
878	3-25	0910 / 0920	"	22.0	8.75	0.72	4.10	6.3		.6	5	0	"
879	4-20	0848 / 0856	BONADIMAN	6.0	1.97	0.71	3.93	1.4		.5	4	0	"
880	5-18	0830 / 0836	"	3.0	0.90	0.39	3.88	0.35		.5	2	0	"
881	5-25	0836 / 0840	"	2.0	0.50	0.28	3.83	0.14		.5	2	0	"

DISCHARGE MEASUREMENTS OF RIO HONDO

AT ~~NEAR~~ Stewart and Gray Road DURING THE YEAR ENDING SEPTEMBER 30, 19 51

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.
882	1-29	1514 / 1538	BONADIMAN - WOOD	103.	186.	5.51	5.63	1030.		.6	11	0	FC19

76DT4M F. C. Dist. 52 0-56

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F45R

Daily discharge, in second-feet of RIO HONDO at Stewart and Gray Road for the year ending September 30, 19 50

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0.8	0	0	0	0	0	1.6	0.4	0.1	0	0
2	+	0	0	0	0	0	0	1.5	0.4	0	0	0
3	0.5	0.3	0	0	0	0	0	0.7	0.4	0	0	0
4	0.8	+	0	0	0	0	0	0.1	0.1	0	0	0
5	0.8	0	0	0	0	0	0	0.8	0.9	0.3	0	0
6	1.9	0	0	0	29 8	0	0	0.6	0.9	0	0	0
7	3.3	+	0	0	1.2	0	0	1.2	0.4	0	0	0
8	1.9	0	0.4	1.0 0	0	0	1.9	0.9	0	0	0	0
9	1.3	0.8	0	1.7	0	0	15	0.2	0	0	0	0
10	1.5	1.9 9	0	0.1	2.0	0	0	0.3	0.2	0	0	0
11	1.5	2.7	0	6.3	1.3	0	0	0	0.1	0	0	0
12	0.6	0.5	0	1.2 0	0	0	0	0	0.4	0	0	0
13	0.4	0	0	1.2	0	0	0	0.4	0.6	0	0	0
14	1.6	0	0	0	0	0	0	0	0.7	0	0	0
15	1.6	0	0	0	0	0	0.3	0.1	0	0.4	0	0
16	0	0	0	0	0	0	0	0	0.4	0	0	0
17	0.4	0	0	0	0	0	+	0	0	0	0	0
18	0.9	0	4.0 2	0	0	0	0	0.1	0	0	0	0
19	0.4	0	3.2	0	0	0	+	0	0	0	0	0
20	0.6	0	6.1	0	0	0	10.8	0.2	0	0	0	0
21	0.4	0	1.0	0	0	0	1.0	0	0	0	0	0
22	1.2	0	0.2	0	0	0	1.0	0.3	0	0	0	0
23	0.8	0	0.3	0	0	0	0	0.4	0	0	0	0
24	0.8	0	0	0	0	4.2	0.5	0.4	0	0	0	0
25	0.5	0	0	0	0	4.6	0.3	0.5	0	0	0	0
26	0.6	0	0	0	0	0	0.9	0.6	0	0	0	0
27	1.0	0	0	0	0	0	0	0.2	0	0	0	0
28	0	0	0	0	0	0	0.4	0.1	0	0	0	0
29	0	0	0	0		0	0.9	0.4	0	0	0	0
30	0	0	0	0		0	1.5	0.4	0	0	0	0
31	+		0	0		0		0.4		0	0	
	25.5	204.1	502.0	366.0	302.5	68.0	24.5	12.4	6.1	0.8	0	0
MEAN	0.82	6.80	16.2	11.8	10.8	2.84	0.82	0.40	0.20	0.026	0	0
ACRE-FEET	51.	405.	996.	726.	600.	175.	49.	25.	12.	1.6	0	0

Remarks: + = 0.05 c.f.s. or less.

YEAR OR PERIOD MEAN 4.20
ACRE-FEET 3040.

76DT4M F. C. Dist. 52 9-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

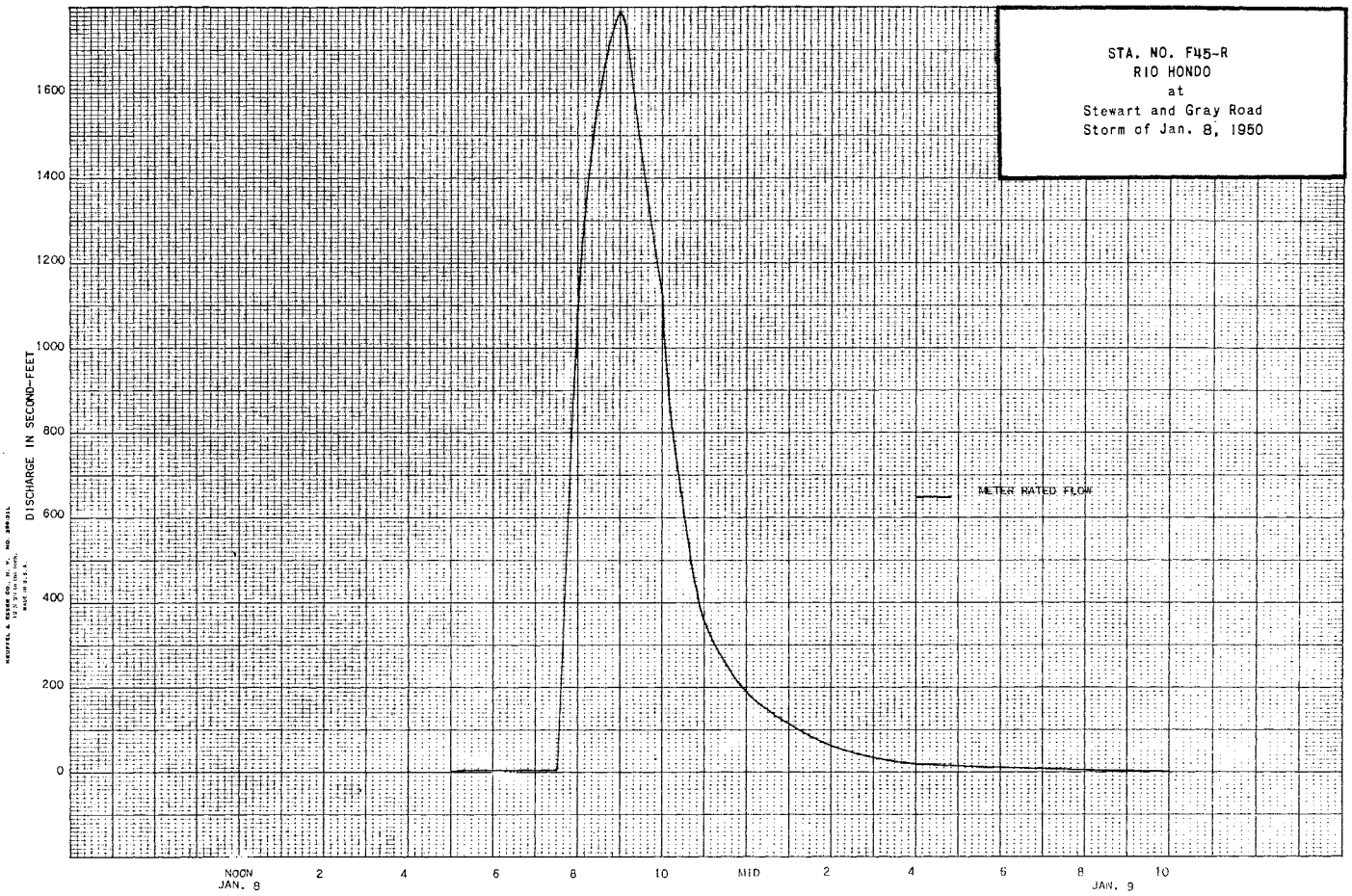
Sta. No. F45R

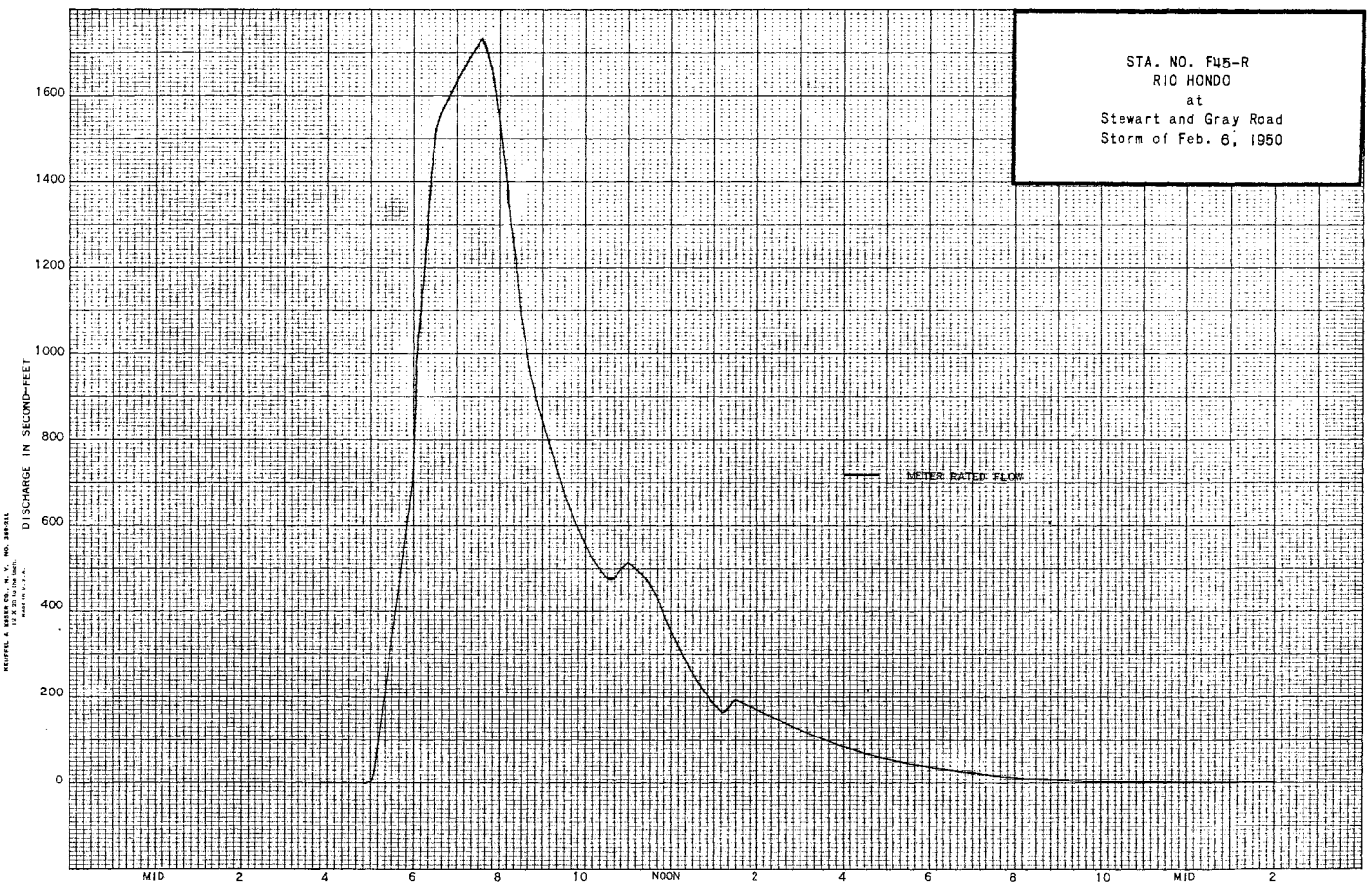
Daily discharge, in second-feet of RIO HONDO at Stewart and Gray Road for the year ending September 30, 19 51

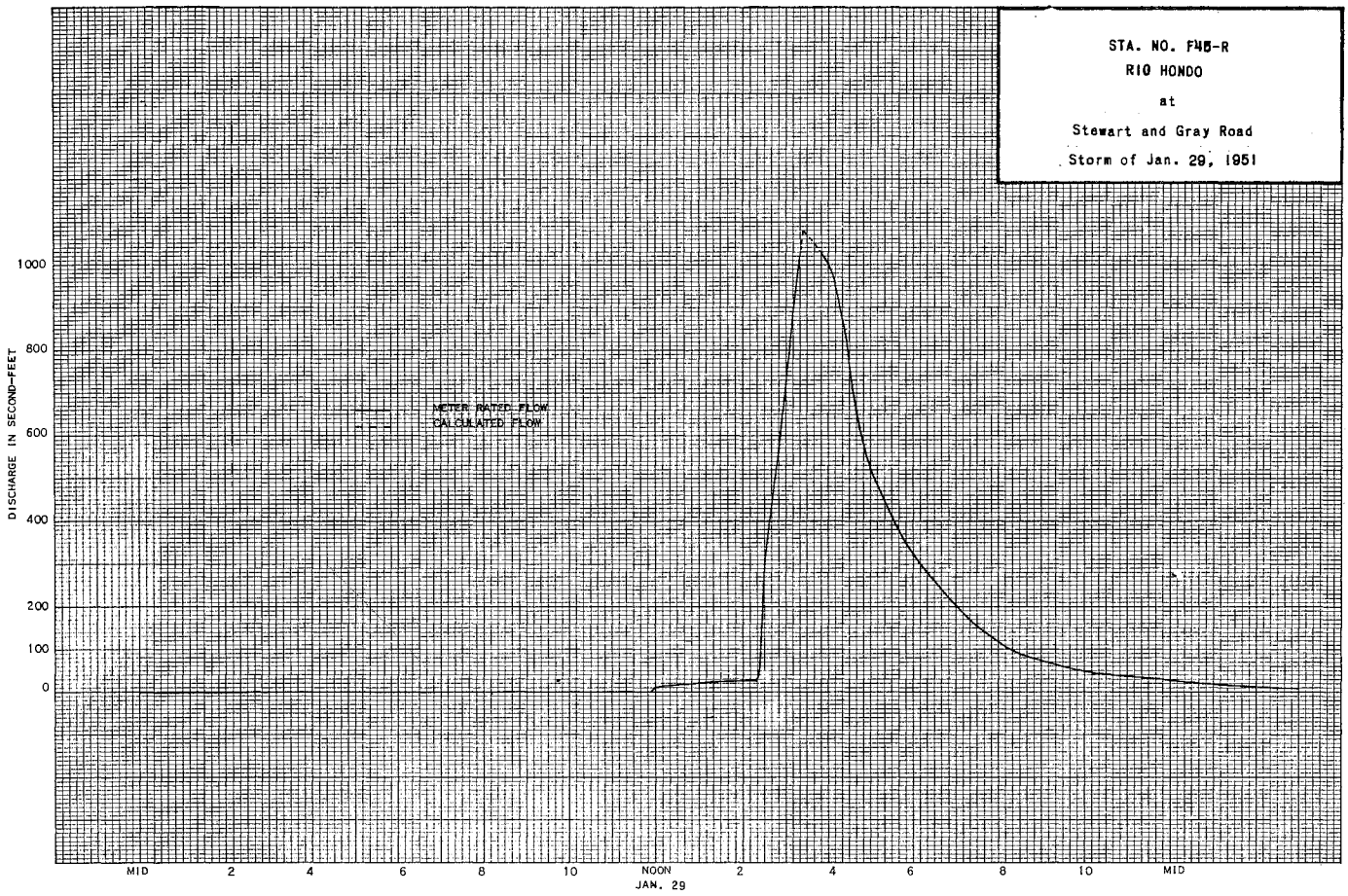
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	39	0					
2	0	0	0	0	0	2.0	0					
3	0	0	0	0	0	0	0					
4	0	0	0	0	0	0	0					
5	0	0	0	0	0	0	0					
6	0	0	0	0	0	0	0					
7	0	0	0	0	0	0	0					
8	0	0	0	0	0	0	0					
9	0	0	0	0	0	0	0					
10	0	0	0	0	0	0	0					
11	0	0	0	7.4	0	0	0					
12	0	0	0	5.6	0	0	0					
13	0	0	0	0	0	0	0	Recorder out				
14	0	0	0	0	0	0	0					
15	0	0	0	0	0	0	0					
16	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	1.3	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	0	0					
24	0	0	0	0	0	0	0					
25	0	0	0	0	0	0	e 3.8					
26	0	0	0	0	0	0	0					
27	0	0	0	0	0	0	0					
28	0	0	0	0	0	0	e 0.4					
29	0	0	0	1.3 5		0	0					
30	0	0	0	3.1		0	0					
31	0		0	0		0						
	0	0	0	230.7	0	0	122.0					
MEAN	0	0	0	7.44	0	1.32	4.07	0	0	0	0	0
ACRE-FEET	0	0	0	458.	0	81.	242.	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 1.08
ACRE-FEET 781.


STA. NO. F45-R
RIO HONDO
at
Stewart and Gray Road
Storm of Jan. 8, 1950
DISCHARGE IN SECOND-FEET
0
200
400
600
800
1000
1200
1400
1600
METER RATED FLOW
NOON
JAN. 8
2
4
6
8
10
MID
2
4
6
8
10
JAN. 9


STA. NO. F45-R
RIO HONDO
at
Stewart and Gray Road
Storm of Feb. 6, 1950
DISCHARGE IN SECOND-FEET
0
200
400
600
800
1000
1200
1400
1600
METER RATED FLOW
MID
2
4
6
8
10
NOON
2
4
6
8
10
MID
2



STATION U14-R

ROCK CREEK above Mouth of Canyon

LOCATION: WATER-STAGE RECORDER, LAT. 34°25'10", LONG. 117°50'17", IN NE 1/4 SEC. 20, T. 4 N., R. 9 W., ON LEFT BANK 0.2 MILE UPSTREAM FROM PUNCHBOWL CANYON AND 0.9 MILE (REVISED) SOUTH OF VALYERMO. ALTITUDE OF GAGE ABOUT 4,050 FEET.

DRAINAGE AREA: 23.0 SQUARE MILES.

RECORDS AVAILABLE: JANUARY 1923 TO SEPTEMBER 1937, MAY 1938 TO SEPTEMBER 1949.

AVERAGE DISCHARGE: 26 YEARS (1923-37, 1938-50, 15.8 SECOND-FEET.
27 " " " " 51 15.3 " "

EXTREMES:

1949-1950
MAXIMUM DISCHARGE 48 SECOND-FEET, FEBRUARY 6. (GAGE HEIGHT, 2.47 FEET).
MINIMUM 1.6 SECOND-FEET, SEPTEMBER 27-29.

1950-1951
MAXIMUM DISCHARGE, 4.3 SECOND-FEET, APRIL 28 (GAGE HEIGHT, 2.02 FEET).
MINIMUM 0.9 SECOND-FOOT, JULY 24, 25, SEPTEMBER 14 TO 27.

1923-1951
MAXIMUM DISCHARGE, 8,300 SECOND-FEET, MARCH 2, 1938. BY SLOPE-AREA METHOD.
MINIMUM 0.9 SECOND-FOOT, JULY 24, 25, SEPTEMBER 14 - 27, 1951.

REMARKS: RECORDS FAIR. NO DIVERSIONS ABOVE STATION.

COOPERATION: RECORDS FURNISHED BY THE UNITED STATES GEOLOGICAL SURVEY WITH THE EXCEPTION OF 49 DISCHARGE MEASUREMENTS FURNISHED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT, IN COOPERATION WITH THE UNITED STATES GEOLOGICAL SURVEY.

DISCHARGE MEASUREMENTS OF ROCK CREEK

AT OR NEAR above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 50

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
882	10-3		U.S.G.S.	5.5	2.73	0.89	1.90	2.44		.5	9	0	
883	10-10		"	13.5	5.4	0.57	1.91	3.10		.5 .6	15	0	
884	10-10		"	5.6	2.88	0.91	1.91	2.62		.6	11	0	
885	10-10		"	13.5	5.4	0.59	1.91	3.19		.5 .6	15	0	
886	10-10		"	5.6	2.88	0.91	1.91	2.63		.6	11	0	
887	10-19		"	5.6	2.96	0.91	1.91	2.68		.6	11	0	
888	10-19		"	13.4	4.51	0.74	1.91	3.36		.5	14	0	
889	10-19		"	13.0	4.76	0.64	1.91	3.06		.6	13	0	
890	10-19		"	6.1	3.03	1.03	1.91	3.12		.6	12	0	
891	10-19		"	13.4	4.24	0.78	1.91	3.31		.5	14	0	
892	10-25		"	6.0	3.04	1.11	1.91	3.38		.6	12	0	
893	11-2	1452 / 1458	LUCE	5.5	2.93	0.92	1.92	2.7		.6	7	0	FC39
894	11-2	1440 / 1448	"	6.5	2.94	0.88	1.92	2.6		.6	7	0	"
895	11-10		U.S.G.S.	6.5	3.40	1.10	2.00	3.74		.6	13	0	
896	11-16	1430 / 1440	LUCE	7.0	3.13	0.93	1.95	2.9		.6	7	0	FC39
897	11-21		U.S.G.S.	5.5	2.98	0.94	1.96	2.80		.5 .6	11	0	
898	11-21		"	5.5	2.56	1.03	1.96	2.63		.5 .6	11	0	
899	11-30	1505 / 1515	LUCE	5.5	2.89	1.04	1.96	3.0		.6	7	0	FC39
900	12-12		U.S.G.S.	5.6	3.44	1.03	2.00	3.54		.6	11	0	
901	12-12		"	6.6	3.48	1.12	2.00	3.88		.6	13	0	
902	12-15	1115 / 1125	LUCE	5.5	3.13	1.15	2.00	3.6		.6	7	0	FC39
903	12-19		U.S.G.S.	14.0	6.60	1.14	2.08	7.5		.5 .6	13	0	
904	12-27		"	5.5	3.03	1.34	1.99	4.07		.6	11	0	
905	12-27		"	5.5	3.30	1.27	1.98	4.20		.6	11	0	
906	12-28	1350 / 1400	LUCE	5.5	3.28	1.28	1.99	4.2		.6	7	0	FC39
907	1-9		U.S.G.S.	7.0	4.21	1.35	2.04	5.7		.6	14	0	
908	1-10	1545 / 1555	LUCE	8.5	4.19	1.34	2.02	5.6		.6	9	0	FC39
909	1-23		U.S.G.S.	6.8	4.01	1.32	2.01	5.3		.6	14	0	
910	1-25	1500 / 1510	LUCE	6.9	3.85	1.38	2.02	5.3		.6	8	0	FC39
911	2-7		U.S.G.S.	15.7	9.50	2.54	2.30	24.2		.5 .6	19	0	
912	2-10	1710 / 1720	LUCE	7.2	5.76	1.68	2.08	9.7		.6	8	0	FC39
913	2-15	1425 / 1435	"	8.0	4.85	1.48	2.05	7.2		.6	8	0	"
914	2-21		U.S.G.S.	9.0	4.70	1.75	2.05	8.4		.6	14	0	
915	3-1	0855 / 0905	LUCE	8.3	5.24	1.58	2.04	8.3		.6	9	0	FC39
916	3-8		U.S.G.S.	8.1	4.64	1.55	2.03	7.2		.6	17	0	
917	3-15	1410 / 1417	LUCE - LINDSAY	7.4	4.63	1.47	2.02	6.8		.6	8	0	FC39
918	3-22		U.S.G.S.	8.0	4.50	1.38	2.02	6.2		.6	16	0	
919	3-29	1340 / 1350	LUCE	8.0	4.72	1.42	2.02	6.7		.6	8	0	FC39
920	4-7		U.S.G.S.	12.0	5.70	1.05	2.03	6.0		.6	14	0	
921	4-12	1400 / 1410	LUCE	7.8	4.70	1.60	2.03	7.5		.6	9	0	FC39
922	4-20	1545 / 1555	"	7.5	4.78	1.73	2.05	8.3		.6	8	0	"
923	4-24		U.S.G.S.	6.6	4.82	1.47	2.04	7.1		.6	13	0	
924	5-3	1600 / 1610	LUCE	8.0	4.81	1.74	2.05	8.4		.6	9	0	FC39
925	5-10		U.S.G.S.	9.1	5.30	1.23	2.05	6.5		.6	19	0	
926	5-17	1610 / 1620	LUCE	8.5	5.25	1.20	2.02	6.3		.6	10	0	FC39
927	5-23		U.S.G.S.	8.8	4.73	1.16	2.01	5.5		.5 .6	14	0	
928	5-31	1045 / 1055	LUCE	8.3	5.08	0.98	1.98	5.0		.6	8	0	FC39
929	6-7		U.S.G.S.	8.0	4.25	1.00	1.98	4.26		.6	16	0	
930	6-14	1335 / 1345	LUCE	8.5	4.91	0.84	1.95	4.1		.6	9	0	FC39
931	6-22		U.S.G.S.	6.7	4.59	0.60	1.93	2.74		.6	14	0	
932	6-26		"	6.9	3.92	0.70	1.92	2.70		.6	15	0	
933	6-29	1625 / 1635	LUCE	7.0	4.13	0.75	1.91	3.1		.6	8	0	FC39
934	7-13		U.S.G.S.	6.6	4.02	0.62	1.90	2.48		.6	14	-.01	
935	7-19	1510 / 1520	LUCE	7.0	4.12	0.58	1.90	2.4		.6	8	0	FC39
936	7-24		U.S.G.S.	6.5	3.26	0.62	1.89	2.01		.5 .6	15	0	
937	8-2	1005 / 1015	LUCE	7.0	4.15	0.65	1.91	2.7		.6	8	0	FC39
938	8-11		U.S.G.S.	6.9	3.68	0.59	1.89	2.16		.6	15	-.01	
939	8-23		"	6.6	3.56	0.51	1.88	1.81		.6	15	0	
940	8-23	1855 / 1905	LUCE	6.6	3.78	0.53	1.87	2.0		.6	8	0	FC39
941	9-6	1515 / 1525	"	6.4	3.45	0.70	1.89	2.4		.6	8	0	"
942	9-8		U.S.G.S.	3.8	2.17	0.92	1.88	1.99		.6	9	0	
943	9-20	1120 / 1130	LUCE	6.0	3.25	0.62	1.88	2.0		.6	7	0	FC39
944	9-26		U.S.G.S.	4.5	2.39	0.80	1.88	1.90		.6	10	0	

DISCHARGE MEASUREMENTS OF ROCK CREEK

AT OR NEAR above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 51

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
945	10-3	0850 / 0900	LUCE	6.4	3.53	0.59	1.88	2.1		.6	8	0	FC39
946	10-13		USGS	4.4	2.28	0.72	1.87	1.64		.6	12	0	
947	10-18	1235 / 1245	LUCE	6.4	3.24	0.56	1.87	1.8		.6	8	0	FC41
948	10-25		USGS	3.8	2.20	0.86	1.88	1.9		.6	11	0	
949	11-8	1550 / 1600	LUCE	6.5	3.30	0.52	1.87	1.7		.6	9	0	FC41
950	11-13		USGS	3.7	2.16	0.86	1.89	1.84		.6	11	+.01	
951	11-29		"	3.8	2.23	0.82	1.89	1.82		.6	11	0	
952	12-20	1505 / 1515	LUCE	6.5	3.23	0.65	1.90	2.1		.6	9	0	FC41
953	12-27		USGS	3.8	2.37	0.92	1.90	2.18		.6	11	0	
954	1-3	1240 / 1250	LUCE	6.2	2.85	0.63	1.90	1.8		.6	10	0	FC41
955	1-11		USGS	4.6	2.53	0.80	1.90	2.03		.6	17	0	
956	1-17	1040 / 1050	LUCE	6.2	3.17	0.73	1.91	2.3		.6	9	0	FC41
957	2-2	1415 / 1425	"	6.3	3.28	0.79	1.91	2.6		.6	9	0	"
958	2-5		USGS	4.5	2.74	0.86	1.90	2.35		.6	16	0	
959	2-14	1515 / 1525	LUCE	6.5	3.28	0.70	1.90	2.3		.6	9	0	FC41
960	2-19		USGS	4.5	2.82	0.87	1.91	2.46		.6	16	0	
961	2-28	1335 / 1340	LUCE	6.1	3.07	0.68	1.93	2.1		.6	9	0	FC41
962	2-28		USGS	4.5	2.76	0.92	1.93	2.54		.6	16	0	
963	3-14	1530 / 1540	LUCE	6.2	3.19	0.82	1.93	2.6		.6	9	0	FC41
964	3-19		USGS	4.5	2.65	0.85	1.94	2.26		.6	16	0	
965	3-27	1115 / 1125	LUCE	6.4	3.02	0.74	1.94	2.2		.6	9		FC41
966	3-30		USGS	4.5	2.78	0.98	1.95	2.72		.5 .6	13	0	
967	4-11	1220 / 1230	LUCE	6.2	3.12	0.80	1.95	2.5		.6	10	0	FC41
968	4-25	1455 / 1505	"	6.3	3.29	0.88	1.96	2.9		.6	9	0	"
969	4-26		USGS	4.5	2.76	0.91	1.97	2.52		.6	16	0	
970	5-9	1010 / 1020	LUCE	6.3	3.47	0.75	1.96	2.6		.6	9	0	FC41
971	5-14		USGS	4.6	3.05	1.16	1.99	3.54		.6	13	0	
972	5-22	1425 / 1435	LUCE	6.2	3.34	0.78	1.93	2.6		.6	12	0	FC41
973	5-28		USGS	4.7	2.58	0.75	1.93	1.94		.5 .6	15	0	
974	6-6	1510 / 1525	LUCE	6.3	3.30	0.79	1.93	2.6		.6	9	0	FC41
975	6-20		USGS	4.6	2.35	0.68	1.90	1.61		.5 .6	15	0	
976	6-20	1600 / 1610	LUCE	6.0	2.78	0.58	1.89	1.6		.6	12	0	FC41
977	6-28		USGS	4.6	2.37	0.67	1.90	1.59		.5 .6	14	0	
978	7-3	1510 / 1520	LUCE	6.3	2.76	0.51	1.87	1.4		.6	10	0	FC41
979	7-17		USGS	3.9	1.90	0.58	1.87	1.11		.6	14	0	
980	7-18	1615 / 1625	LUCE	6.0	2.62	0.54	1.90	1.4		.6	9	0	FC41
981	7-30		USGS	4.0	2.20	0.59	1.89	1.29		.6	12	0	
982	8-1	1530 / 1540	LUCE	6.4	2.78	0.43	1.87	1.2		.6	11		FC41
983	8-15		USGS	3.7	2.06	0.56	1.88	1.15		.6	14	0	
984	8-15	1215 / 1225	LUCE	5.3	2.31	0.43	1.86	1.0		.6	8	0	FC41
985	8-29		USGS	3.7	2.09	1.88	1.88	1.11		.6	14	0	
986	8-29	1350 / 1400	LUCE	6.0	2.51	0.44	1.87	1.1		.6	9	0	FC41
987	9-5	1720 / 1730	"	6.0	2.28	0.44	1.85	1.0		.6	9	0	"
988	9-19		USGS	3.7	2.06	0.51	1.88	1.04		.6	11	0	
989	9-19	1320 / 1330	LUCE	6.0	2.26	0.39	1.86	0.88		.6	9	0	FC41

760T4M F. C. Dist. 52 9-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U14-R

Daily discharge, in second-feet of ROCK CREEK above Mouth of Canyon, for the year ending September 30, 19 50

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3.0	2.5	3.0	4.3	4.7	8.4	6.4	9.0	4.7	3.0	2.5	2.0
2	3.0	2.5	3.3	4.3	4.7	8.4	6.4	9.0	4.7	3.0	2.5	2.0
3	3.0	2.8	3.3	4.3	4.7	8.4	6.4	8.4	4.7	2.8	2.5	2.2
4	3.0	2.8	3.3	4.3	4.7	8.4	6.4	8.4	4.7	2.8	2.5	2.2
5	3.0	2.8	3.7	4.3	4.7	7.3	6.4	7.8	4.7	2.8	2.5	2.2
6	3.0	2.8	3.7	4.3	31	7.3	6.0	7.8	4.7	3.3	2.5	2.5
7	3.3	2.8	4.0	4.3	24	7.3	6.0	7.3	4.7	3.0	2.5	2.5
8	3.3	3.0	4.0	5.5	12	7.3	7.8	6.8	4.7	3.0	2.5	2.2
9	3.3	3.0	4.0	5.5	10	7.3	7.8	6.8	4.3	3.0	2.5	2.2
10	3.0	3.3	4.0	6.0	9.5	7.3	6.8	6.8	4.3	3.0	2.5	2.2
11	2.8	3.0	4.0	5.5	9.0	7.3	6.8	6.4	4.3	3.0	2.5	2.2
12	2.8	3.0	4.0	5.5	9.0	6.8	6.8	6.4	4.3	2.8	2.2	2.2
13	2.8	3.0	4.0	5.5	7.8	6.8	7.3	6.8	4.3	2.5	2.2	2.2
14	2.8	2.8	3.7	5.1	7.3	6.8	8.4	6.8	4.0	2.5	2.2	2.2
15	3.0	2.8	3.7	5.1	7.3	6.8	7.8	6.8	4.0	2.5	2.2	2.2
16	3.0	2.5	3.7	5.1	7.3	6.8	7.8	6.8	4.0	2.5	2.2	2.2
17	3.0	2.5	4.0	5.5	7.8	6.8	7.8	6.8	4.0	2.5	2.0	2.2
18	3.7	2.5	6.0	5.5	7.3	6.8	7.8	6.4	3.7	2.5	2.0	2.2
19	3.7	2.8	6.8	5.5	7.3	6.4	8.4	6.4	3.7	2.5	2.0	2.2
20	3.7	2.8	6.0	5.1	7.8	6.4	9.0	6.0	3.7	2.5	2.0	2.2
21	3.7	2.8	4.7	5.1	8.4	6.0	9.0	6.0	3.7	2.5	2.0	2.0
22	3.7	2.8	4.7	5.1	8.4	6.0	8.4	6.0	3.7	2.2	2.0	2.0
23	3.3	2.8	4.7	5.5	8.4	6.0	8.4	6.0	3.7	2.2	2.0	1.8
24	3.3	2.8	4.7	5.5	8.4	6.8	8.4	6.0	3.3	2.5	2.0	1.8
25	3.3	2.8	4.7	5.5	8.4	7.8	7.8	6.0	3.3	2.8	2.0	1.8
26	3.0	2.8	4.3	5.5	8.4	7.3	7.8	6.0	3.0	2.8	2.0	1.8
27	3.0	2.8	4.3	5.5	8.4	6.8	7.8	5.5	3.0	2.5	2.0	1.6
28	2.8	2.8	4.3	5.1	8.4	6.8	7.8	5.1	3.0	2.5	2.0	1.6
29	2.5	2.8	4.3	4.7		6.8	8.4	5.1	3.0	2.5	2.0	1.6
30	2.5	2.8	4.3	4.7		6.8	8.4	5.1	3.0	2.5	2.0	1.8
31	2.5		4.3	4.7		6.8		4.7		2.5	2.0	
	95.8	84.0	131.5	157.4	255.1	219.0	226.5	205.2	118.9	83.0	68.5	62.0
MEAN	3.09	2.80	4.24	5.08	9.11	7.06	7.55	6.62	3.96	2.68	2.21	2.07
ACRE-FEET	190	167	261	312	506	434	449	407	236	165	136	123

Remarks:

YEAR OR PERIOD MEAN 4.68
ACRE-FEET 3390

760T4M F. C. Dist. 52 9-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U14-R

Daily discharge, in second-feet of ROCK CREEK above Mouth of Canyon, for the year ending September 30, 19 51

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.0	1.8	1.8	1.8	2.5	2.5	2.8	2.8	2.2	1.6	1.3	1.3
2	2.0	1.8	1.8	1.8	2.5	2.5	2.8	2.8	2.2	1.6	1.3	1.3
3	2.0	1.8	1.8	1.8	2.2	2.5	2.8	2.5	2.2	1.6	1.3	1.3
4	2.0	1.8	2.0	1.8	2.2	2.5	2.8	2.5	2.2	1.6	1.3	1.3
5	2.0	1.8	2.0	1.8	2.2	2.5	2.8	2.2	2.2	1.4	1.3	1.3
6	2.0	1.8	2.0	1.8	2.2	2.5	2.8	2.2	2.2	1.4	1.1	1.3
7	2.0	1.6	2.0	1.8	2.5	2.5	2.8	2.5	2.2	1.4	1.1	1.3
8	1.8	1.8	2.0	2.0	2.5	2.5	2.8	2.5	2.2	1.4	1.1	1.3
9	1.8	1.8	2.2	2.0	2.5	2.5	2.8	2.5	2.2	1.4	1.1	1.1
10	1.8	1.8	2.2	2.0	2.5	2.5	2.8	2.2	2.2	1.3	1.1	1.1
11	1.8	1.6	2.2	2.2	2.5	2.5	2.5	2.2	2.2	1.3	1.1	1.1
12	1.6	1.6	2.2	2.2	2.2	2.5	2.5	2.5	2.0	1.3	1.1	1.1
13	1.6	1.8	2.2	2.2	2.2	2.5	2.5	2.8	2.0	1.3	1.1	1.1
14	1.4	1.8	2.2	2.2	2.2	2.5	2.5	3.7	1.8	1.3	1.1	0.9
15	1.4	1.8	2.2	2.2	2.2	2.2	2.5	3.0	1.8	1.3	1.1	0.9
16	1.6	1.8	2.2	2.0	2.2	2.2	2.5	2.8	1.8	1.4	1.1	0.9
17	1.6	1.8	2.2	2.0	2.2	2.2	2.5	2.5	1.8	1.4	1.1	0.9
18	1.6	1.8	2.2	2.0	2.5	2.2	2.5	2.2	1.8	1.4	1.1	0.9
19	1.6	1.8	2.2	2.0	2.5	2.2	2.5	2.2	1.8	1.4	1.1	0.9
20	1.6	1.8	2.2	2.0	2.5	2.2	2.5	2.0	1.6	1.3	1.1	0.9
21	1.6	2.0	2.2	2.0	2.5	2.2	2.5	2.0	1.8	1.1	1.1	0.9
22	1.6	2.0	2.2	2.0	2.5	2.2	2.5	2.0	1.8	1.1	1.1	0.9
23	1.6	2.0	2.2	2.0	2.5	2.2	2.8	2.0	1.6	1.1	1.1	0.9
24	1.6	1.8	2.2	2.2	2.5	2.2	2.8	2.0	1.6	0.9	1.1	0.9
25	1.8	1.8	2.2	2.2	2.5	2.2	2.8	2.0	1.6	0.9	1.1	0.9
26	1.8	1.8	2.2	2.2	2.5	2.2	2.5	2.0	1.6	1.1	1.1	0.9
27	1.8	1.8	2.2	2.2	2.5	2.2	2.5	2.0	1.6	1.1	1.1	0.9
28	1.6	1.8	2.2	2.2	2.5	2.5	2.8	2.0	1.4	1.1	1.1	1.1
29	1.6	1.8	2.2	2.8		2.8	3.0	2.0	1.4	1.1	1.1	1.1
30	1.6	1.8	2.0	2.8		2.8	2.8	2.0	1.4	1.1	1.3	1.1
31	1.8		2.0	2.8		2.8		2.2		1.1	1.3	
	53.6	54.0	65.6	65.0	67.0	74.5	80.0	72.8	56.4	39.8	35.5	31.8
MEAN	1.73	1.80	2.12	2.10	2.39	2.40	2.67	2.35	1.88	1.28	1.15	1.06
ACRE-FEET	106.	107.	130.	129.	133.	148.	159.	144.	112.	79.	70.	63.

Remarks:

YEAR OR PERIOD MEAN 1.91
ACRE-FEET 1380.

STATION U8-3

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. 1 N., R. 10 W., 0.5 MILE UPSTREAM FROM MOUTH AND 2.5 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 1951.

AVERAGE DISCHARGE: 33 YEARS, 3.15 SECOND-FEET.
34 " 3.06 " "

EXTREMES OF DISCHARGE:
1949-1950
MAXIMUM DISCHARGE 132 SECOND-FEET, DECEMBER 18. (GAGE HEIGHT 4.36 FEET).
NO FLOW SEVERAL MONTHS.
1950-1951
MAXIMUM DISCHARGE 10. SECOND FEET, APRIL 28. (GAGE HEIGHT 2.97 FEET).
NO FLOW DURING SEVERAL PERIODS.
1917-1951
MAXIMUM DISCHARGE ABOUT 2,600 SECOND-FEET, APRIL 7, 1926. 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, WITH THE EXCEPTION OF 11 DISCHARGE MEASUREMENTS FURNISHED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF ROGERS CREEK

NEAR above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 50

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION 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	11-11	1347 / 1352	MOON	2.3	0.77	0.96	2.58	0.74		.6	4	0	FC22
1484	11-16		U.S.G.S.				2.35	0.05	FLOATS				
1485	11-22		"				2.22	0.02	EST.				
1486	12-14		"	0.77	0.14	0.56	2.39	0.08		.5	6	0	
1487	12-19		"	11.2	9.33	2.02	3.11	18.8		.6	21	0	
1488	12-20		"	10.1	6.10	1.87	2.84	11.4		.5 / .6	19	-.01	
1489	12-27		"	1.75	0.47	1.60	2.60	0.75		.5	9	0	
1490	1-3		"	7.7	3.57	0.20	2.57	0.72		.5 / .6	15	0	
1491	1-9		"	9.4	6.20	0.55	2.74	3.40		.5 / .6	19	0	
1492	1-11		"	9.3	3.74	0.51	2.68	1.90		.5 / .6	20	+.01	
1493	1-17		"	5.2	2.59	0.70	2.71	1.82		.5 / .6	12	0	
1494	1-24		"	8.2	4.71	0.28	2.65	1.31		.5 / .6	15	0	
1495	1-30		"	5.7	2.50	0.43	2.68	1.08		.5 / .6	8	0	
1496	2-2	1445 / 1451	MOON	4.0	1.89	0.42	2.65	0.80		.6	4	0	FC22
1497	2-6		U.S.G.S.	12.5	13.8	1.30	3.20	17.9		.6	17	-.01	
1498	2-13		"	7.5	3.66	0.80	2.76	2.94		.5 / .6	11	0	
1499	2-20		"	9.0	5.20	0.44	2.69	2.28		.5 / .6	16	0	
1500	3-1		"	6.5	2.64	0.42	2.64	1.12		.6	11	0	
1501	3-6		"	6.3	2.84	0.35	2.62	1.00		.5 / .6	19	0	
1502	3-9	1350 / 1355	MOON	2.2	0.65	1.23	2.61	0.80		.5	3	0	FC22
1503	3-15		U.S.G.S.	4.5	1.75	0.35	2.60	0.61		.5 / .6	21	0	
1504	3-21		"	6.1	2.28	0.27	2.58	0.62		.5	14	-.01	
1505	3-28		"	6.7	3.22	0.52	2.65	1.68		.5 / .6	21	0	
1506	4-3		"	4.5	1.73	0.38	2.60	0.66		.5 / .6	22	0	
1507	4-6	1402 / 1408	MOON	2.2	0.71	1.06	2.58	0.75		.5	4	0	FC22
1508	4-10		U.S.G.S.	7.0	3.75	0.60	2.68	2.26		.5 / .6	24	0	
1509	4-18		"	6.5	2.38	0.34	2.56	0.80		.5 / .6	16	-.01	
1510	4-20	1430 / 1436	MOON	2.2	0.70	1.01	2.57	0.71		.5	4	0	FC48H
1511	4-24		U.S.G.S.	6.5	2.56	0.34	2.58	0.87		.5 / .6	21	0	
1512	4-27	1417 / 1422	MOON	2.2	0.70	1.13	2.58	0.79		.5	4	0.	FC22
1513	5-3		U.S.G.S.	5.1	3.07	0.20	2.58	0.60		.6	22	0	
1514	5-9		"	1.75	0.54	1.02	2.57	0.55		.5	19	0	
1515	5-16		"	5.3	2.19	0.19	2.59	0.41		.5 / .6	20	0	
1516	5-24		"	4.0	1.70	0.25	2.61	0.43		.5 / .6	19	0	
1517	5-25	1442 / 1448	MOON	1.2	0.42	1.05	2.59	0.44		.5	4	0	FC48H
1518	6-1		U.S.G.S.	1.5	0.81	0.22	2.56	0.26		.6	16	0	
1519	6-6		"	1.5	0.78	0.28	2.48	0.22		.6	16	0	
1519A	6-8	1417 / 1422	MOON	1.1	0.30	0.60	2.46	0.18		.5	4	0	FC48H
1519B	6-15	1450 / 1452	"	1.0	0.16	0.62	2.35	0.10		.5	2	0	"

DISCHARGE MEASUREMENTS OF ROGERS CREEK

NEAR above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 51

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1520	1-15		USGS	1.55	0.64	0.30	2.49	0.19		.5	16	0	
1521	1-22		"	1.5	0.73	0.59	2.54	0.43		.5 / .6	16	0	
1522	1-29		"	1.4	0.74	0.76	2.59	0.56		.6	15	+.02	
1523	1-30		"	5.6	2.97	0.47	2.70	1.41		.6	24	-.01	
1524	2-1	1402 / 1410	MOON	2.1	0.64	1.03	2.60	0.66		.6	6	0	FC48H
1525	2-7		USGS	1.5	0.70	0.39	2.51	0.27		.5	16	0	
1526	2-13		"	1.5	0.70	0.37	2.50	0.26		.5	16	0	
1527	2-21		"	1.3	0.54	0.28	2.46	0.15		.5	14	0	
1528	2-26		"	1.3	0.59	0.41	2.49	0.24		.5	14	0	
1529	3-1	1335 / 1343	MOON	2.5	0.98	1.22	2.66	1.2		.6	6	0	FC22
1530	3-7		USGS	1.3	0.59	0.83	2.57	0.49		.5	13	0	
1531	3-14		"	1.2	0.51	0.47	2.50	0.24		.5	13	0	
1532	3-22		"	1.2	0.44	0.25	2.44	0.11		.5	13	0	
1533	3-28		"	1.0	0.38	0.29	2.42	0.11		.5	11	0	
1534	4-2		"	1.00	0.37	0.32	2.42	0.12		.5	11	0	
1535	4-11		"	1.0	0.39	0.41	2.45	0.16		.5	11	0	
1536	4-18		"	1.0	0.37	0.19	2.36	0.07		.5	11	-.03	
1537	4-23		"	1.00	0.39	0.26	2.40	0.10		.5	7	0	
1538	5-7		"	1.0	0.42	0.57	2.48	0.24		.5	6	0	
1539	5-22		"				2.40	0.01	FLUME				

76D74M F. C. Dist. 32 9-56

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. UG-R

Daily discharge, in second-feet of ROGERS CREEK above Mouth of Canyon, for the year ending September 30, 19 50

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0.7	0.9	1.2	0.9	0.7	0.2	0	0	0
2	0	0	0	0.6	0.8	1.2	0.7	0.7	0.3	0	0	0
3	0	0	0	0.7	0.7	1.2	0.7	0.7	0.3	0	0	0
4	0	0	0	0.7	0.7	1.1	0.6	0.6	0.3	0	0	0
5	0	0	0	0.7	0.7	1.1	0.6	0.5	0.3	0	0	0
6	0	0	0	0.7	14	1.0	0.7	0.5	0.3	0	0	0
7	0	0	0	0.7	8.2	1.0	0.7	0.5	0.2	0	0	0
8	0	0	0.1	3.4	5.8	0.8	2.8	0.5	0.1	0	0	0
9	0	0	0.1	4.0	3.9	0.8	4.7	0.5	0.1	0	0	0
10	0	4.4	0.1	2.2	4.6	0.8	2.3	0.4	0	0	0	0
11	0	1.0	0.1	4.5	4.2	0.8	1.8	0.4	0	0	0	0
12	0	0.3	0.1	7.0	3.4	0.7	1.5	0.4	0	0	0	0
13	0	0.2	0.1	4.2	3.1	0.7	1.4	0.4	0	0	0	0
14	0	0.1	0.1	2.9	2.9	0.6	1.3	0.4	0	0	0	0
15	0	0.1	0.1	2.5	2.9	0.6	1.3	0.4	0	0	0	0
16	0	0.1	0.1	2.0	2.7	0.6	1.1	0.4	0	0	0	0
17	0	0	0.1	1.7	2.5	0.7	1.0	0.5	0.1	0	0	0
18	0	0	26	1.7	2.3	0.7	1.0	0.5	0	0	0	0
19	0	0	23	1.5	2.3	0.7	0.8	0.4	0	0	0	0
20	0	0	9.5	1.5	2.3	0.7	0.7	0.4	0	0	0	0
21	0	0	4.6	1.4	2.2	0.7	0.7	0.4	0	0	0	0
22	0	0	2.9	1.4	2.0	0.6	0.7	0.4	0	0	0	0
23	0	0	2.2	1.4	1.8	0.6	0.9	0.4	0	0	0	0
24	0	0	1.5	1.3	1.7	3.5	0.9	0.4	0	0	0	0
25	0	0	1.3	1.2	1.4	7.1	0.9	0.5	0	0	0	0
26	0	0	1.0	1.2	1.5	2.7	0.8	0.4	0	0	0	0
27	0	0	0.7	1.2	1.4	2.2	0.8	0.4	0	0	0	0
28	0	0	0.7	1.1	1.2	1.8	0.9	0.3	0	0	0	0
29	0	0	0.7	2.7		1.4	0.7	0.3	0	0	0	0
30	0	0	0.7	1.1		1.3	0.7	0.3	0	0	0	0
31	0		0.7	1.0		1.1		0.2		0	0	
	0	6.2	76.5	58.9	82.3	40.0	34.6	13.8	2.2	0	0	0
MEAN	0	0.21	2.47	1.90	2.94	1.29	1.15	0.45	0.07	0	0	0
ACRE-FEET	0	12	152	117	163	79	69	27	4.4	0	0	0

Remarks:

YEAR OR PERIOD MEAN 0.86
ACRE-FEET 623

76D74M F. C. Dist. 32 9-56

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. UG-R

Daily discharge, in second-feet of ROGERS CREEK above Mouth of Canyon, for the year ending September 30, 19 51

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0.7	1.1	0.1	1.0	0	0	0	0
2	0	0	0	0	0.5	1.3	0.1	0.7	0	0	0	0
3	0	0	0	0	0.4	0.9	0.1	0.6	0	0	0	0
4	0	0	0	0	0.4	0.7	0.1	0.5	0	0	0	0
5	0	0	0	0	0.3	0.7	0.1	0.4	0	0	0	0
6	0	0	0	0	0.3	0.6	0.2	0.2	0	0	0	0
7	0	0	0	0	0.3	0.5	0.2	0.2	0	0	0	0
8	0	0	0	0	0.2	0.4	0.2	0.2	0	0	0	0
9	0	0	0	0	0.2	0.4	0.2	0.2	0	0	0	0
10	0	0	0	0	0.2	0.3	0.2	0.2	0	0	0	0
11	0	0	0	0.5	0.2	0.3	0.1	0.2	0	0	0	0
12	0	0	0	0.7	0.4	0.3	0.1	0.2	0	0	0	0
13	0	0	0	0.3	0.3	0.3	0.1	0.1	0	0	0	0
14	0	0	0	0.2	0.2	0.2	0.1	0.1	0	0	0	0
15	0	0	0	0.1	0.2	0.2	0.1	0	0	0	0	0
16	0	0	0	0.1	0.2	0	0.1	0	0	0	0	0
17	0	0	0	0.1	0.2	0	0.1	0	0	0	0	0
18	0	0	0	0.2	0.2	0	0.1	0	0	0	0	0
19	0	0	0	2.6	0.2	0.1	0.1	0	0	0	0	0
20	0	0	0	1.0	0.2	0.1	0.1	0	0	0	0	0
21	0	0	0	0.6	0.2	0.1	0.1	0	0	0	0	0
22	0	0	0	0.4	0.1	0.1	0.1	0	0	0	0	0
23	0	0	0	0.3	0.3	0.1	0.1	0	0	0	0	0
24	0	0	0	0.3	0.3	0.1	0.1	0	0	0	0	0
25	0	0	0	0.3	0.2	0.1	0.4	0	0	0	0	0
26	0	0	0	0.2	0.3	0.1	0.7	0	0	0	0	0
27	0	0	0	0.2	0.9	0.1	0.4	0	0	0	0	0
28	0	0	0	0.2	0.7	0.1	1.6	0	0	0	0	0
29	0	0	0	1.5		0.1	3.7	0	0	0	0	0
30	0	0	0	1.3		0.1	1.3	0	0	0	0	0
31	0		0	0.8		0.1		0		0	0	
	0	0	0	11.9	8.8	9.5	11.0	4.8	0	0	0	0
MEAN				0.38	0.31	0.31	0.37	0.15				
ACRE-FEET				24.	17.	19.	22.	9.5				

Remarks:

YEAR OR PERIOD MEAN 0.13
ACRE-FEET 92.

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, 1949 TO SEPTEMBER 30, 1951.

REGULATION: FLOW PARTIALLY REGULATED BY LAS FLORES AND RUBIO DEBRIS BASINS.

DIVERSIONS: NONE.

RECORDS AVAILABLE: NOVEMBER 6, 1936 TO SEPTEMBER 30, 1951. FOR PREVIOUS RECORDS ON RUBIO WASH SEE STATIONS F82-R, F107-R, F82B-R, IN PREVIOUS REPORTS.

EXTREMES OF DISCHARGE:

1949-50
MAXIMUM 1060 SECOND-FEET, FEBRUARY 6.
MINIMUM NO FLOW PART OF YEAR.

1950-51
MAXIMUM 2290 SECOND-FEET, JANUARY 11.
MINIMUM NO FLOW PART OF YEAR.

1930-51 (STATIONS F82-R, F82B-R, F82C-R)
MAXIMUM 2780 SECOND-FEET, MARCH 4, 1943.
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, 19 51

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.
63	10-27	0832 / 0840	BONADIMAN	25.0	4.83	3.85		18.6		.5	7		FC19

F. C. Dist. Form 52 4-46

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, 1950

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.1	0.1	0.1	0.2	0	0.1	0.1	0.1	a 0.1	a 0.1	0.1	0.2
2	0.1	0.1	0.1	0.2	0	0	0.1	0.1	0.1	0.1	0.1	0.2
3	0.2	0.1	0.1	0.1	0	0	0.1	0.2	0.1	0.1	0.2	0.2
4	0.2	0	0.1	0.2	0	0.1	0.1	0.1	0.1	0.1	0.2	0.1
5	0.2	0	0.1	0.1	0.2	0.1	0.1	0	0.1	0.1	0.1	0.1
6	0.1	0	0.1	0.1	113	0	0.1	0	0.9	0.1	0.1	0.2
7	0.1	0.1	2.0	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2
8	0.1	0.2	32	60	0.2	0.1	43	0	0.1	0.1	0.1	0.2
9	0	16.8	0.2	1.1	0.4	0.1	14.2	0	0.1	a 8.0	0.1	0.1
10	0	136	0	0.2	18.1	0.1	0.1	0	0.1	0.1	0.1	0.2
11	0	0.2	0	45	0.4	0.1	0.2	0	0.1	0.1	0.1	0.2
12	0	0	0	11.3	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
13	0.1	0	0	0	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.2
14	0.1	0	0.2	2.8	0.1	0.1	0.2	0.1	0.1	0.1	0.2	0.2
15	0.1	0	0.1	0	0	0.2	0.1	0.1	0.1	0.1	0.2	0.2
16	0.2	0	0.1	0	0	0.2	0.1	0.1	0.1	0.1	0.2	0.2
17	0.2	0	0.1	0	0.1	0.2	0.1	0.2	0.1	0.1	0.2	25
18	0.1	0	161	0	0	0.2	0.1	0.1	0.1	0.1	0.2	0.2
19	0	0	16.1	0	0.1	0.2	0.2	0.4	0.1	0.1	0.2	0.1
20	0	0	0.1	0	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0
21	0.1	0	0.1	0	0	0.2	0.1	0.1	0.1	0.1	0.2	0.1
22	0	0	0	0	0.4	0.2	0.2	0.1	0.1	0.1	0.2	0.1
23	0	0	0	0	0.2	0.1	0.1	0.2	0.1	0.1	0.2	0.1
24	0	0	0	0	0.1	66	0	0.1	0.1	0.1	0.2	0.1
25	0	0	0	0	0.1	6.7	0.1	0.1	0.1	0.1	0.2	0.1
26	0	0	0	0	0.1	0.1	0	0.1	0.1	0.2	0.2	0.1
27	0.1	0	0	0	0.1	0	0	0.1	0.1	0.2	0.2	0.1
28	0.1	0	0.1	12.1	0	0	0.1	0.1	0.1	0.2	0.2	0.1
29	0.1	0	0.2	6.7		0	0.1	0.1	0.1	0.1	0.1	0.1
30	0.1	0	0.2	0		0	0.1	a 0.1	a 0.1	0.1	0.2	0.1
31	0.1		0.2	0		0.1		a 0.1		0.1	0.2	
	2.5	153.6	2133	1602	1342	75.6	601	3.2	3.8	113	5.2	29.2
MEAN	0.08	5.12	6.88	5.17	4.79	2.44	2.0	0.10	0.13	0.36	0.17	0.97
ACRE-FEET	5.0	305.	423.	318.	266.	150.	119.	6.3	7.5	22.	10.	58.

Remarks:

YEAR OR PERIOD MEAN 2.33
ACRE-FEET 1690.

76D71M F. C. Dist. 52 9-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

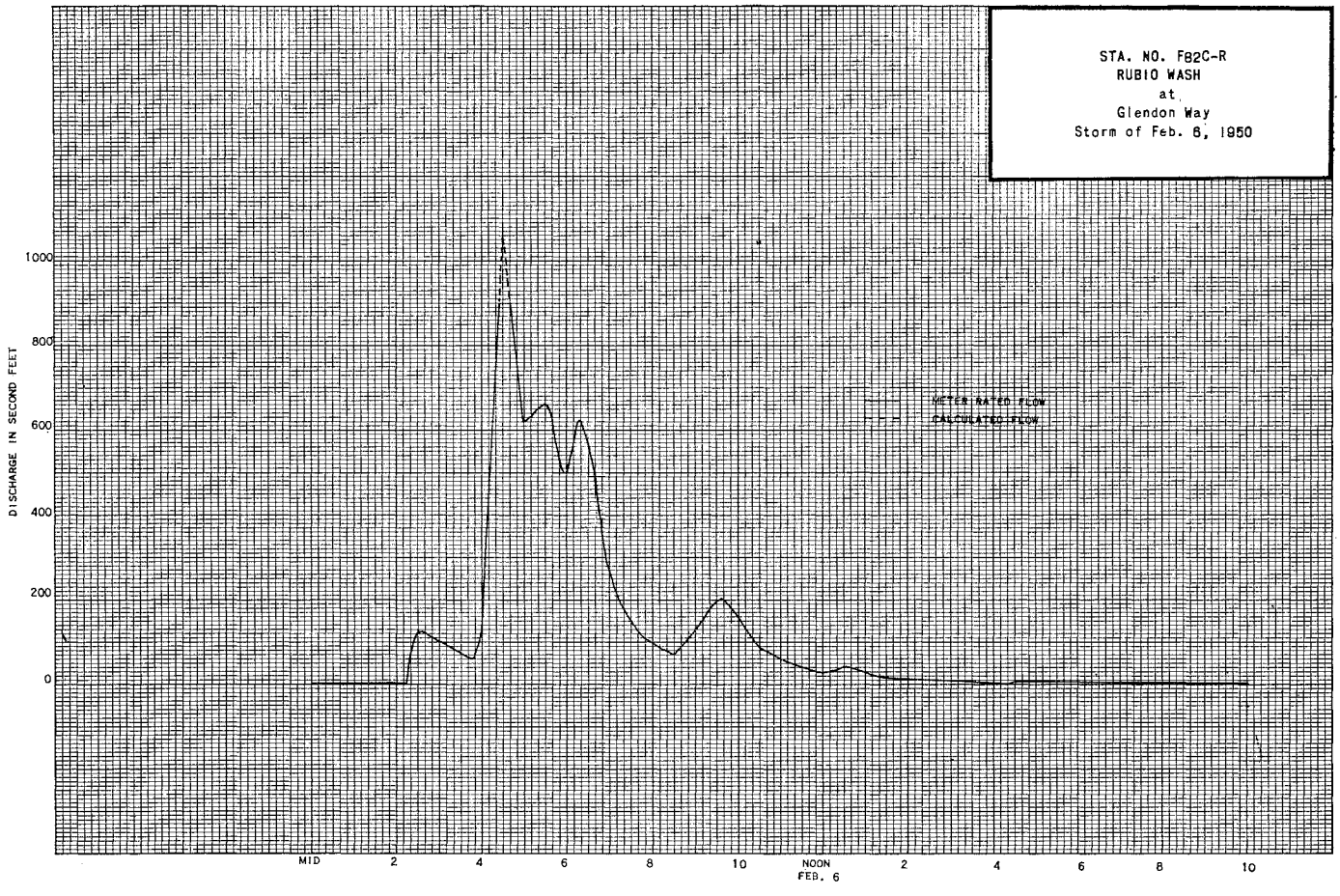
Sta. No. F82C-R

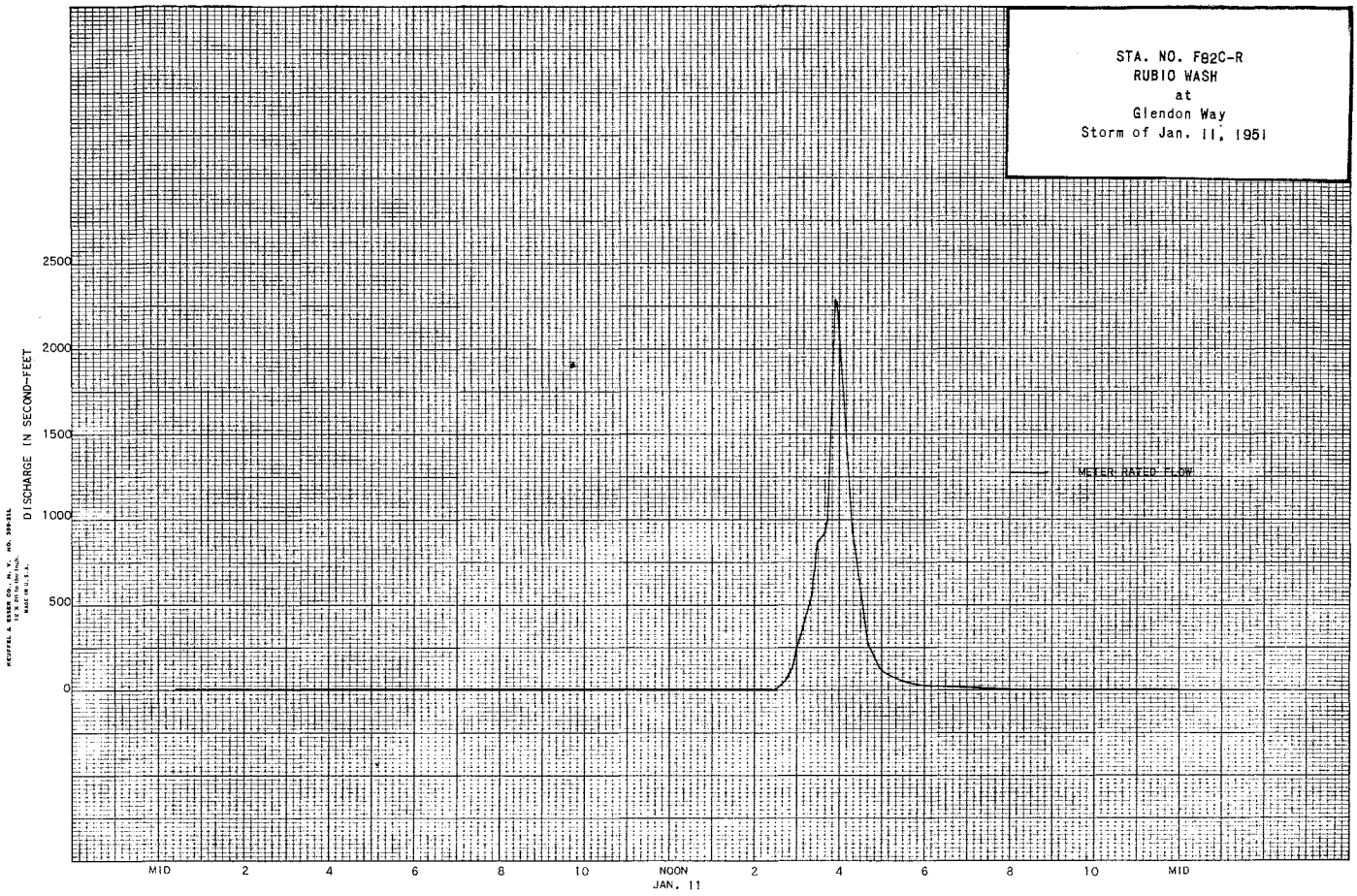
Daily discharge, in second-feet of RUBIO WASH at Glendon Way, for the year ending September 30, 1951

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.1	0.1	0	0	0.1	36	0.2	0.1	+	+	+	0.2
2	0.1	0.2	0	0	+	0.1	0.1	+				0.2
3	0.1	0.1	0	0	0	0.1	9.0	0				0.2
4	0.1	0.1	0	1.4	0.1	0.1	18.9	+				0.2
5	0.1	0.1	0	0.2	+	0.1	0.2	0.1				0.1
6	0.1	0.1	0	0.1	+	0.1	0.2	0.1				0.1
7	0.2	0.1	0	0	+	0.1	+	0.1				0.1
8	0.2	0.1	0	0	0.1	0.1		0.1				0.1
9	0.2	0.1	0	0	+	0.1		0.1				0.1
10	0.2	+	0	25	0.1	0.1		0.1				0.1
11	0.2	+	0	8.0	0.1	0.1	+	0.1	Stopped for summer			0.1
12	0.1	+	0	0.1	0.2	0.1	0.1	0.1				0.1
13	0.1	8.0	0	0	+	0.1	0.1	6.4				0.1
14	0.2	3.8	0	0	+	+	0.1	1.7				+
15	0.2	+	+	0	0.1	+	0.1	+				
16	0.2	+	+	10.8	0.2	0.1	0.1	0.1				
17	0.2	+	+	0.1	0.2	0.1	0.1	0.1				
18	0.2	6.4	0	3.5	0.2	0.1	0.1	0.1				+
19	0.2	2.9	0	2.6	0.2	0.1	0.1	0.1				0.1
20	0.2	0.6	0	+	0.1	0.1	+	0.1				0.1
21	0.2	+	+	+	0.1	0.1		0.1				0.1
22	0.2		+	0	0.6	0.1		+				0.1
23	0.1		+	0.2	9.2	0.1		0.1				0.1
24	0.2		0.1	+	0.4	0.1	+	0.1				0.1
25	0.1		0	+	+	0.1	4.5	0.1				0.1
26	1.6		0.2	0.1	21	0.1	0.2	0.1			+	0.1
27	9.6		0	+	5.8	0.2	+	0.1			0.2	0.1
28	0.1	+	0	0.1	0.2	0.2	56	0.1			1.4	0.1
29	0.1	0	0.1	64		0.2	9.8	0.1			0.4	0.1
30	0.1	0	0	0.2		0.2	+	+	+	+	0.2	
31	0.1		0	0.1		0.3		+				
	15.6	48.8	0.4	211.9	39.0	39.3	140.4	10.3	+	+	2.2	2.9
MEAN	0.50	1.63	0.01	6.84	1.39	1.27	4.68	0.33	+	+	0.07	0.10
ACRE-FEET	31.	97.	0.8	420.	77.	78.	278.	20.	+	+	4.4	5.8

Remarks: + = 0.05 c.f.s. or less.

YEAR OR PERIOD MEAN 1.40
ACRE-FEET 1010.





STATION U15-R

SAN ANTONIO CREEK below Edison Co. Power Plant

LOCATION: WATER-STAGE RECORDER AND BROAD-CRESTED WEIR CONTROL, LAT. 34°12'50", LONG. 117°40'00", IN NW 1/4 SE 1/4 SEC. 36 T. 2N., R. 8W. 0.5 MILE UPSTREAM FROM SOUTHERN CALIFORNIA EDISON COMPANY'S SIERRA POWER PLANT AND 8 MILES NORTHEAST OF CLAREMONT. ALTITUDE OF GAGE ABOUT 3,400 FEET.

DRAINAGE AREA: 16.9 SQUARE MILES.

RECORDS AVAILABLE: MARCH 1901 TO SEPTEMBER 1951.

AVERAGE DISCHARGE: 33 YEARS (1917-50), 10.5 SECOND-FEET, AVERAGE COMBINED DISCHARGE OF CREEK AND CONDUIT; 33 YEARS (1917-50), 23.2 SECOND-FEET; 34 YEARS (1917-51), 10.2 SECOND-FEET. AVERAGED COMBINED DISCHARGE OF CREEK AND CONDUIT, 34 YEARS (1917-51), 22.7 SECOND-FEET.

EXTREMES OF DISCHARGE:

1949-1950
MAXIMUM DISCHARGE DURING YEAR, 10 SECOND-FEET, DECEMBER 18, GAGE HEIGHT 1.34 FEET.
MINIMUM 0.1 SECOND-FOOT, OCTOBER 1-5.

1950-51
MAXIMUM DISCHARGE DURING YEAR 3.9 SECOND-FEET, APRIL 28. (GAGE HEIGHT 1.00 FOOT).
PRACTICALLY NO FLOW AUGUST 24-27, 31, SEPTEMBER 1.

1917-1951
MAXIMUM DISCHARGE, 21,400 SECOND-FEET, MARCH 2, 1938. (REVISED BY HYDROLOGIC STUDIES).
MINIMUM PRACTICALLY NO FLOW AUGUST 24-27, 31, SEPTEMBER 1, 1951.

REMARKS: RECORDS FAIR. 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. 24 DISCHARGE MEASUREMENTS FURNISHED BY LOS ANGELES COUNTY FLOOD CONTROL DISTRICT THROUGH H. E. HEDGER, CHIEF ENGINEER.

REVISIONS: FIGURES OF DISCHARGE OF SAN ANTONIO CREEK AND SOUTHERN CALIFORNIA EDISON COMPANY'S CONDUIT HAVE BEEN REVISED FOR THE PERIOD MARCH 2 TO APRIL 23, 1938. REVISED MAXIMUM DISCHARGE SHOWN.

DISCHARGE MEASUREMENTS OF SAN ANTONIO CREEK

~~AT~~ ~~NEAR~~ below Edison Company Power Plant Diversion DURING THE YEAR ENDING SEPTEMBER 30, 19 50

NO.	DATE	BEGIN / END	MADE 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.
1163	10-4		U.S.G.S.	1.5	0.25	0.48	0.69	0.12		.5	3	0	
1164	10-17		"	2.1	0.46	0.67	0.71	0.31		.5	5	0	
1165	10-31		"	1.5	0.25	1.04	0.70	0.26		.5	3	0	
1166	11-14		"	CHANNELS			0.77	0.54		.5	7	0	
1167	11-28		"	2.5	0.58	0.93	0.70	0.54		.5 / .6	5	0	
1168	12-12		"	2.0	0.40	1.28	0.75	0.51		.5	4	0	
1169	12-20		"	11.2	4.18	0.90	1.01	3.76		.5 / .6	12	0	
1170	12-27		"	6.5	1.73	0.44	0.77	0.77		.5	7	0	
1171	1-4		"	CHANNELS			0.72	0.51		.5	5	0	
1172	1-10		"	"			0.76	0.76		.5	9	0	
1173	1-16		"	"			0.74	0.72		.5	9	0	
1174	1-23		"	"			0.78	0.84		.5	8	0	
1175	1-30		"	"			0.77	0.73		.5	8	0	
1176	2-6		"	7.0	2.35	0.86	1.04	2.01		.5 / .6	12	0	
1177	2-13		"	CHANNELS			0.97	1.30		.5 / .6	9	0	
1178	2-20		"	"			0.81	0.95		.5	9	0	
1179	2-27		"	"			0.78	0.83			8	0	
1180	3-6		"	"			0.79	0.54		.5	8	0	
1181	3-13		"	"			0.80	0.52		.5	8	0	
1182	3-15	1040 / 1045	STUNDEN	1.5	0.38	1.58	0.79	0.60		.5	3	0	FC36
1183	3-20		U.S.G.S.	CHANNELS			0.79	0.47		.5	8	0	
1184	3-27		"	"			0.81	1.00		.5 / .6	10	0	
1185	4-4		"	"			0.80	0.60		.5	10	0	
1186	4-10		"	"			0.84	1.15		.5 / .6	8	0	
1187	4-18		"	"			0.80	0.79		.5	8	0	
1188	4-24		"	"			0.80	0.68		.5	9	0	
1189	5-2		"	"			0.78	0.65		.5 / .6	8	0	
1190	5-9		"	"			0.76	0.55		.5	8	0	
1191	5-10	1515 / 1520	STUNDEN	1.4	0.26	1.23	0.76	0.32		.5	3	0	FC36
1192	5-15		U.S.G.S.	3.1	0.69	0.64	0.75	0.44		.5	7	0	
1193	5-29		"	3.0	0.54	0.80	0.75	0.43		.5	7	0	
1194	6-12		"	2.9	0.52	0.83	0.74	0.43		.5	8	0	
1195	6-26		"	3.00	0.50	0.70	0.73	0.35		.5	7	0	
1196	7-5		"	3.10	0.47	0.40	0.68	0.19		.5	8	0	
1197	7-21		"	3.10	0.51	0.49	0.69	0.25		.5	9	0	
1198	8-2		"	3.0	0.48	0.52	0.68	0.25		.5	8	+.01	
1199	8-15		"				0.70	0.19		FLUME			
1200	8-24	0845 / 0848	STUNDEN	0.7	0.18	0.83	0.71	0.15		.5	2	0	FC36
1201	8-31		U.S.G.S.	1.4	0.28	0.57	0.66	0.16		.5	8	0	
1202	9-20		"	2.3	0.54	0.57	0.69	0.31		.5	21	0	

DISCHARGE MEASUREMENTS OF SAN ANTONIO CREEK

~~AT~~ ~~NEAR~~ below Edison Company Power Plant DURING THE YEAR ENDING SEPTEMBER 30, 19 51

NO.	DATE	BEGIN / END	MADE 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.
1203	10-4		USGS	2.5	0.89	0.28	0.70	0.25		.5	25	0	
1204	11-2		"				.72	0.27		FLUME			
1205	11-15		"	1.6	0.56	0.64	0.72	0.36		.5	16	+.01	
1206	11-16	1120 / 1125	STUNDEN	1.5	0.36	0.92	0.72	0.33		.5	6		FC36
1207	11-30		USGS	1.25	0.30	1.03	0.70	0.31		.5	13	-.01	
1208	12-13		"				0.69	0.30		FLUME			
1209	1-2		"	1.4	0.46	0.67	0.70	0.31		.5 / .6	13	-.08	
1210	1-4	1425 / 1430	STUNDEN	1.5	0.22	1.50	0.70	0.33		.5	5		FC36
1211	1-11		USGS				0.70	0.36					
1212	1-24		"	1.4	0.41	1.15	0.70	0.47		.5	14	0	
1213	1-25	1230 / 1236	STUNDEN	1.5	0.32	1.72	0.70	0.55		.5	7		FC49
1214	1-29		USGS				0.95	1.96		.5		-.08	
1215	2-7		"	2.1	0.43	1.09	0.70	0.47		.5	20	0	
1216	2-8	1225 / 1235	SPENCER-STUNDEN	2.30	0.45	0.96	0.70	0.43		.5	7		FC36
1217	2-21		USGS	2.0	0.41	1.02	0.70	0.42		.5	20	0	
1218	3-8	1330 / 1335	STUNDEN	1.40	0.32	1.91	0.74	0.61		.5	4	0	FC36
1219	3-8		USGS	2.6	0.60	0.88	0.74	0.53		.5	14	0	
1220	3-15	1435 / 1440	STUNDEN	1.4	0.28	1.86	0.72	0.52		.5	5		FC49
1221	3-28		USGS	2.8	0.59	0.75	0.70	0.44		.5	25	0	
1222	3-29	0910 / 0915	STUNDEN	2.5	0.52	0.85	0.70	0.44		.5	7		FC49
1223	4-4	1235 / 1240	"	1.4	0.30	1.70	0.72	0.51		.5	6		"
1224	4-11		USGS	2.5	0.51	0.80	0.70	0.41		.5	21	0	
1225	4-19	1000 / 1005	STUNDEN	1.4	0.18	1.61	0.70	0.29		.5	6		FC49
1226	4-27		USGS	2.8	0.51	0.74	0.73	0.38		.5	13	0	
1227	5-3	1135 / 1145	STUNDEN	1.5	0.22	2.68	0.75	0.59		.5	6	0	FC49
1228	5-15		USGS	1.9	0.46	0.65	0.70	0.30		.5 / .6	9		
1229	5-17	1140 / 1145	STUNDEN	2.4	0.51	0.69	0.69	0.35		.5	8	0	FC49
1230	5-31	1200 / 1205	"	1.6	0.36	0.53	0.69	0.19		.5	6	0	"
1231	6-5		USGS	1.70	0.35	0.66	0.70	0.23		.5	10	0	
1232	6-13	1300 / 1305	STUNDEN	1.6	0.22	0.91	0.69	0.20		.5	6	0	FC50
1233	6-13		USGS	3.25	0.62	0.36	0.69	0.22		.5	14	0	
1234	6-27		"	2.80	0.49	0.31	0.67	0.15		.5	15	-.01	
1235	6-28	1205 / 1210	STUNDEN	1.6	0.41	0.39	0.67	0.16		.5	6	0	FC50
1236	7-6	1220 / 1225	"	1.7	0.40	0.38	0.66	0.15		.5	6	0	"
1237	7-16		USGS				0.64	0.04		FLUME			
1238	7-19	1235 / 1240	STUNDEN	0.80	0.14	0.79	0.64	0.11		.5	5		FC50
1239	8-2	1140 / 1145	"	1.2	0.07	1.00	0.63	0.07		.5	6		"
1240	8-9		USGS				0.61	0.06		FLUME		0	
1241	8-16	1218 / 1223	STUNDEN	1.3	0.16	0.56	0.62	0.09		.5	6		FC50
1242	8-20		USGS				0.61	0.06		FLUME			
1243	8-30	1345 / 1350	STUNDEN	1.0	0.10	0.60	0.65	0.06		.5	5	0	FC50
1244	9-11		USGS				0.62	0.04		FLUME			
1245	9-27	1227 / 1230	STUNDEN	1.2	0.13	0.62	0.64	0.08		.5	6	0	FC50
1246	9-27		USGS				0.62	0.04		FLUME			

76D74M F. C. Dist. 52 9-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U-15

Daily discharge, in second-feet of SAN ANTONIO CREEK below Edison Company Power Plant Diversion, for the year ending September 30, 1950

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.1	0.2	0.4	0.6	0.6	0.8	0.8	0.6	0.4	0.2	0.2	0.2
2	0.1	0.2	0.4	0.6	0.6	0.8	0.7	0.6	0.4	0.2	0.2	0.2
3	0.1	0.2	0.4	0.6	0.6	0.7	0.6	0.6	0.4	0.2	0.2	0.2
4	0.1	0.2	0.3	0.6	0.6	0.7	0.5	0.6	0.4	0.2	0.2	0.2
5	0.1	0.2	0.4	0.6	0.6	0.6	0.5	0.6	0.4	0.2	0.2	0.2
6	0.2	0.2	0.4	0.6	1.6	0.6	0.6	0.6	0.4	0.2	0.2	0.2
7	0.2	0.2	0.3	0.5	2.3	0.7	0.6	0.6	0.5	0.2	0.2	0.2
8	0.2	0.2	0.5	0.8	3.2	0.7	1.1	0.6	0.5	0.2	0.2	0.2
9	0.2	0.3	0.4	0.7	1.8	0.6	1.1	0.6	0.4	0.3	0.2	0.2
10	0.2	1.0	0.5	0.7	1.7	0.6	1.2	0.6	0.4	0.3	0.2	0.2
11	0.2	0.6	0.5	0.8	1.6	0.5	1.2	0.5	0.4	0.3	0.2	0.3
12	0.2	0.9	0.5	0.8	1.6	0.5	1.1	0.5	0.4	0.3	0.2	0.3
13	0.2	0.7	0.5	0.8	1.3	0.5	1.1	0.5	0.5	0.2	0.2	0.3
14	0.2	0.6	0.4	0.8	1.2	0.5	1.0	0.5	0.5	0.2	0.2	0.3
15	0.2	0.6	0.4	0.8	1.1	0.5	1.0	0.4	0.5	0.2	0.2	0.3
16	0.2	0.6	0.4	0.7	1.0	0.5	1.0	0.5	0.5	0.2	0.2	0.3
17	0.3	0.6	0.4	0.7	1.0	0.5	0.9	0.6	0.5	0.2	0.2	0.3
18	0.3	0.6	3.0	0.7	1.0	0.5	0.8	0.6	0.4	0.2	0.2	0.3
19	0.3	0.6	3.1	0.7	0.9	0.5	0.8	0.6	0.4	0.2	0.2	0.3
20	0.4	0.6	3.7	0.8	0.9	0.5	0.7	0.6	0.4	0.2	0.2	0.3
21	0.4	0.6	2.0	0.7	1.0	0.5	0.7	0.5	0.4	0.2	0.2	0.3
22	0.3	0.6	1.1	0.7	1.0	0.6	0.6	0.5	0.4	0.2	0.2	0.3
23	0.3	0.6	0.8	0.8	0.9	0.8	0.6	0.6	0.4	0.2	0.2	0.3
24	0.3	0.6	0.9	0.8	0.8	1.2	0.6	0.6	0.4	0.2	0.2	0.3
25	0.3	0.6	0.8	0.8	0.8	1.1	0.6	0.6	0.4	0.2	0.2	0.3
26	0.3	0.6	0.7	0.8	0.8	1.1	0.6	0.6	0.3	0.2	0.2	0.3
27	0.2	0.6	0.7	0.7	0.8	1.1	0.6	0.6	0.3	0.2	0.2	0.3
28	0.2	0.6	0.7	0.7	0.8	1.0	0.6	0.5	0.3	0.2	0.2	0.3
29	0.2	0.6	0.7	0.7		0.9	0.6	0.4	0.2	0.2	0.2	0.2
30	0.2	0.5	0.7	0.7		0.9	0.6	0.4	0.2	0.2	0.2	0.2
31	0.2		0.7	0.7		0.8		0.4		0.2	0.2	
	6.9	15.2	26.7	22.0	32.1	21.8	23.4	17.0	12.0	6.6	6.2	7.8
MEAN	.22	.51	.86	.71	1.15	.70	.78	.55	.40	.21	.20	.26
ACRE-FEET	14	30	53	44	64	43	46	34	24	13	12	15

Remarks:

YEAR MEAN .54
OR
PERIOD ACRE-FEET 392

76D74M F. C. Dist. 52 9-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No.

Daily discharge, in second-feet of SAN ANTONIO CREEK & SO. CALIFORNIA EDISON CO.'S CONDUIT, for the year ending September 30, 1950

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5.1	5.2	5.6	6.6	6.8	16	11	12	9.4	7.5	6.4	5.3
2	5.1	5.2	5.6	6.6	6.8	16	11	12	9.4	7.5	6.4	5.3
3	5.1	5.2	5.6	6.6	6.8	15	11	12	9.2	7.5	6.4	5.2
4	5.1	5.2	5.3	6.6	6.8	15	10	12	9.2	7.2	6.4	5.2
5	5.1	5.2	5.4	6.5	6.8	15	10	12	8.9	7.2	6.4	5.3
6	5.2	5.2	5.4	6.5	10	15	11	12	8.9	7.2	6.4	5.3
7	5.2	5.2	5.3	6.4	11	15	11	12	9.0	7.2	6.4	5.3
8	5.2	5.2	6.1	7.2	13	15	12	12	9.0	7.2	6.4	5.3
9	5.2	5.3	5.7	7.1	13	14	12	12	8.9	7.3	6.4	5.3
10	5.2	9.0	5.8	7.2	13	14	12	12	8.9	7.1	6.4	5.3
11	5.2	6.1	5.8	7.3	13	14	11	12	8.9	7.1	6.4	5.4
12	5.2	6.4	5.5	7.2	13	14	12	12	8.9	7.1	6.4	5.4
13	5.2	6.2	5.5	7.2	12	14	12	12	8.7	7.2	6.4	5.4
14	5.2	6.0	5.4	7.0	12	14	12	12	8.7	6.9	6.2	5.4
15	5.2	6.0	5.4	7.0	13	14	12	11	8.7	6.9	6.2	5.4
16	5.2	6.0	5.4	6.9	13	12	12	12	8.7	6.9	5.7	5.4
17	5.3	5.8	5.4	6.9	14	12	12	12	8.5	6.9	5.7	5.4
18	5.3	5.8	12	6.9	14	12	12	12	8.4	6.9	5.7	5.3
19	5.3	5.8	11	6.9	14	12	12	12	8.1	6.9	5.7	5.3
20	5.4	5.8	11	7.0	15	12	12	12	8.1	6.9	5.7	5.3
21	5.4	5.8	8.5	6.9	16	12	12	10	8.1	6.9	5.7	5.3
22	5.3	5.8	7.2	6.9	16	13	12	10	8.1	6.7	5.5	5.3
23	5.3	5.8	7.0	7.0	16	13	12	12	8.1	6.7	5.5	5.3
24	5.3	5.8	7.0	7.0	16	13	12	12	8.1	6.7	5.5	5.3
25	5.3	5.8	7.0	7.0	16	13	12	11	8.1	6.7	5.3	5.3
26	5.3	5.8	6.9	7.0	16	13	12	10	8.0	6.7	5.3	5.3
27	5.2	5.8	6.7	6.9	16	13	12	10	8.0	6.7	5.3	5.3
28	5.2	5.8	6.7	6.9	16	12	12	10	8.0	6.7	5.3	5.3
29	5.2	5.8	6.7	6.9		12	12	9.7	7.7	6.7	5.3	5.2
30	5.2	5.7	6.7	6.9		12	12	9.4	7.7	6.7	5.3	5.2
31	5.2		6.7	6.9		12		9.4		6.7	5.3	
	161.9	173.7	205.3	213.9	355.0	418	350	352.5	256.4	216.5	183.4	159.3
MEAN	5.22	5.79	6.62	6.90	12.7	13.5	11.7	11.4	8.55	6.98	5.92	5.31
ACRE-FEET	321.	345	407	424	704	829	694	699	509	429	364	316

Remarks:

YEAR MEAN 8.34
OR
PERIOD ACRE-FEET 6040

76D74M F. C. Dist. 52 9-56

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, for the year ending September 30, 1951

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.2	0.2	0.3	0.3	0.9	0.6	0.4	0.9	0.2	0.2	0.1	0
2	0.2	0.2	0.3	0.2	0.8	0.6	0.5	0.7	0.2	0.2	0.1	0.1
3	0.2	0.2	0.3	0.3	0.7	0.5	0.4	0.6	0.2	0.2	0.1	0.1
4	0.2	0.2	0.3	0.4	0.6	0.5	0.4	0.6	0.2	0.2	0.1	0.1
5	0.2	0.2	0.3	0.4	0.6	0.6	0.4	0.5	0.2	0.2	0.1	0.1
6	0.2	0.2	0.3	0.4	0.6	0.6	0.4	0.6	0.2	0.2	0.1	0.1
7	0.2	0.2	0.4	0.4	0.6	0.6	0.6	0.6	0.2	0.1	0.1	0.1
8	0.2	0.2	0.4	0.4	0.4	0.6	0.5	0.6	0.2	0.1	0.1	0.1
9	0.2	0.2	0.4	0.4	0.4	0.7	0.5	0.4	0.3	0.1	0.1	0.1
10	0.2	0.2	0.4	0.4	0.4	0.7	0.4	0.4	0.3	0.1	0.1	0.1
11	0.2	0.3	0.4	0.5	0.4	0.7	0.4	0.4	0.3	0.1	0.1	0.1
12	0.1	0.4	0.4	0.5	0.4	0.6	0.4	0.4	0.2	0.1	0.1	0.1
13	0.1	0.4	0.4	0.5	0.4	0.6	0.4	0.4	0.2	0.1	0.1	0.1
14	0.2	0.2	0.4	0.5	0.4	0.6	0.3	0.4	0.2	0.1	0.1	0.1
15	0.2	0.4	0.4	0.5	0.4	0.5	0.4	0.4	0.2	0.1	0.1	0.1
16	0.2	0.3	0.4	0.5	0.4	0.5	0.4	0.4	0.2	0.1	0.1	0.1
17	0.2	0.3	0.4	0.5	0.4	0.5	0.3	0.4	0.2	0.1	0.1	0.1
18	0.2	0.2	0.4	0.5	0.4	0.5	0.3	0.4	0.2	0.1	0.1	0.1
19	0.2	0.2	0.4	0.6	0.4	0.5	0.3	0.4	0.2	0.1	0.1	0.1
20	0.2	0.2	0.4	0.6	0.4	0.4	0.3	0.4	0.2	0.1	0.1	0.1
21	0.2	0.2	0.4	0.6	0.4	0.4	0.3	0.3	0.2	0.1	0.1	0.1
22	0.2	0.2	0.3	0.6	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.1
23	0.2	0.3	0.3	0.6	0.5	0.4	0.3	0.2	0.3	0.1	0.1	0.1
24	0.2	0.3	0.3	0.6	0.5	0.4	0.3	0.2	0.3	0.1	0	0.1
25	0.2	0.3	0.3	0.6	0.5	0.3	0.4	0.2	0.2	0.1	0	0.1
26	0.2	0.3	0.2	0.6	0.5	0.4	0.4	0.2	0.2	0.1	0	0.1
27	0.2	0.3	0.2	0.6	0.6	0.4	0.4	0.2	0.2	0.1	0	0.1
28	0.2	0.3	0.2	0.6	0.6	0.4	0.8	0.2	0.2	0.1	0.1	0.1
29	0.2	0.3	0.2	1.0		0.4	0.9	0.1	0.2	0.1	0.1	0.1
30	0.2	0.3	0.2	0.9		0.4	0.9	0.1	0.2	0.1	0.1	0.1
31	0.2		0.3	0.9		0.4		0.2		0.1	0	
	6.0	7.7	10.3	16.4	14.0	15.7	13.0	12.0	6.6	3.7	2.6	2.9
MEAN	0.19	0.26	0.33	0.53	0.50	0.51	0.43	0.39	0.22	0.12	0.08	0.10
ACRE-FEET	12.	15.	20.	33.	28.	31.	26.	24.	13.	7.3	5.2	5.8

Remarks:

YEAR OR PERIOD MEAN 0.30
ACRE-FEET 220.

76D74M F. C. Dist. 52 9-56

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No.

Combined
Daily discharge, in second-feet of SAN ANTONIO CREEK AND SO. CALIFORNIA EDISON CO.'S CONDUIT, for the year ending September 30, 1951

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5.2	4.7	4.8	4.6	5.9	5.4	5.4	6.3	4.8	4.4	3.7	3.6
2	5.2	4.7	4.8	4.5	5.8	5.4	5.5	6.1	4.8	4.4	3.7	3.7
3	5.2	4.7	4.8	4.6	5.7	5.3	5.4	6.1	4.8	4.4	3.7	3.7
4	4.9	4.7	4.8	4.7	5.6	5.3	5.4	6.1	4.8	4.4	3.7	3.7
5	4.9	4.7	4.8	4.7	5.6	5.6	5.6	5.8	4.6	4.4	3.7	3.7
6	4.9	4.7	4.6	4.7	5.7	5.6	5.6	5.6	4.6	4.4	3.7	3.7
7	4.9	4.7	4.7	4.7	5.7	5.6	5.8	5.6	4.8	4.3	3.7	3.7
8	4.9	4.7	4.7	4.7	5.4	5.6	5.7	5.8	4.8	4.3	3.7	3.7
9	4.9	4.7	4.7	4.7	5.4	5.7	5.5	5.6	4.9	4.3	3.7	3.7
10	4.9	4.7	4.7	4.7	5.2	6.1	5.4	5.8	4.9	4.1	3.7	3.7
11	4.9	4.8	4.7	4.8	5.2	5.7	5.4	5.6	4.9	4.1	3.7	3.7
12	4.8	4.9	4.7	4.8	5.2	5.6	5.4	5.6	4.8	4.1	3.7	3.7
13	4.8	5.6	4.7	5.1	5.2	5.6	5.4	5.6	4.8	4.1	3.7	3.5
14	4.9	4.7	4.7	5.1	5.2	5.6	5.3	5.6	4.8	4.1	3.7	3.5
15	4.7	4.9	4.7	5.1	5.2	5.5	5.4	5.6	4.6	4.1	3.7	3.5
16	4.7	4.8	4.7	5.1	5.2	5.5	5.4	5.6	4.8	4.1	3.7	3.5
17	4.7	4.8	4.7	5.1	5.2	5.5	5.3	5.6	4.8	4.1	3.7	3.5
18	4.7	4.7	4.7	5.1	5.2	5.5	5.3	5.6	4.8	4.1	3.7	3.5
19	4.7	4.7	4.7	5.2	5.2	5.5	5.3	5.6	4.8	4.1	3.7	3.5
20	4.7	4.7	4.7	5.2	5.2	5.4	5.3	5.6	4.8	4.1	3.7	3.5
21	4.7	4.7	4.7	5.6	5.2	5.4	5.3	5.5	4.6	4.1	3.7	3.5
22	4.7	4.7	4.6	5.6	5.2	5.4	5.3	5.2	4.9	4.1	3.7	3.5
23	4.7	4.8	4.6	5.6	5.3	5.4	5.3	5.2	4.9	4.1	3.7	3.5
24	4.7	4.8	4.6	5.6	5.3	5.4	5.3	5.2	4.7	3.7	3.6	3.5
25	4.7	4.8	4.6	5.2	5.3	5.3	5.4	5.2	4.6	3.7	3.6	3.5
26	4.7	4.8	4.5	5.2	5.3	5.4	5.4	5.2	4.6	3.7	3.6	3.5
27	4.7	4.8	4.5	5.2	5.4	5.4	5.4	4.8	4.6	3.7	3.6	3.5
28	4.7	4.8	4.5	5.2	5.4	5.4	5.8	4.8	4.6	3.7	3.7	3.5
29	4.7	4.8	4.5	7.4		5.4	6.6	4.7	4.6	3.7	3.7	3.5
30	4.7	4.8	4.5	5.9		5.4	6.6	4.7	4.6	3.7	3.7	3.5
31	4.7		4.6	5.9		5.4		4.8		3.7	3.6	
	149.2	143.4	144.6	159.6	150.4	170.3	165.2	170.1	143.2	126.3	114.2	107.3
MEAN	4.81	4.78	4.66	5.15	5.37	5.49	5.51	5.49	4.77	4.07	3.68	3.58
ACRE-FEET	296.	284.	287.	317.	298.	338.	328.	337.	284.	251.	227.	213.

Remarks:

YEAR OR PERIOD MEAN 4.78
ACRE-FEET 3460.

STATION F151-R

SAN ANTONIO CREEK at Mouth of Canyon

LOCATION: WATER-STAGE RECORDER, LAT. 34°09'20", LONG. 117°40'54", ON THE RIGHT (WEST) BANK, UPSTREAM FROM ALL HEADGATES OF POMONA VALLEY PROTECTIVE ASSOCIATION SPREADING GROUNDS AND ABOUT 4 MILES NORTHEAST OF CLAREMONT. ELEVATION OF ZERO GAGE HEIGHT, 2,081.66 FEET.

DRAINAGE AREA: 26.5 SQUARE MILES.

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

DISCHARGE MEASUREMENTS: FLOWS UP TO 300 SECOND-FEET MEASURED BY WADING. NO FACILITIES FOR MEASURING HIGHER FLOW.

RECORDER: INSTALLED FEBRUARY 20, 1931, OVER A 21-INCH DIAMETER CORRUGATED IRON PIPE STILLING WELL. STATION WAS OUT OF SERVICE FROM MARCH 2, 1938 TO MARCH 30, 1938 AND FROM JANUARY 24, 1943 TO JULY 1, 1943. AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1949 TO SEPTEMBER 30, 1951.

REGULATION: NONE.

DIVERSIONS: THERE ARE DIVERSIONS FOR IRRIGATION AND POWER DEVELOPMENT.

RECORDS AVAILABLE: FEBRUARY 20, 1931 TO SEPTEMBER 30, 1951.

EXTREMES OF DISCHARGE:

1949-50
MAXIMUM 49. SECOND-FEET, DECEMBER 19.
MINIMUM NO FLOW FOR MOST OF YEAR.

1950-51
MAXIMUM 2.0 SECOND-FEET, JANUARY 16.
MINIMUM NO FLOW MOST OF YEAR.

1930-51
MAXIMUM 23,400 SECOND-FEET, ESTIMATED MARCH 2, 1938.
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~~ Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 50

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
525	12-19	1400 / 1410	STUNDEN - DAL CORSO	5.0	2.55	1.96	7.76	5.0		.5 / .6	5		FC36
526	12-20	1345 / 1355	STUNDEN	1.0	0.20	1.00	7.32	0.20		.5	2	0	"
527	5-4	1510 / 1515	"	2.0	0.38	1.10	7.46	0.42		.5	4	+.01	"

DISCHARGE MEASUREMENTS OF SAN ANTONIO CREEK

AT ~~NEAR~~ Above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 51

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
528	1-10	1200 / 1204	STUNDEN	0.5	0.08	1.75	7.32	0.14	FLOATS		1		
529	1-29	1746 / 1750	"	1.0	0.18	1.33	7.40	0.24		.5	4		36
530	2-1	1455 / 1500	"	0.6	0.14	0.43	7.28	0.06		.5	5		49H
531	4-25	1455 / 1500	"	0.4	0.05	1.60	7.22	0.08	FLOATS		1		
532	4-28	2100 / 2105	"	1.5	0.46	1.78	7.40	0.82	FLOATS		4		

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F151R

Daily discharge, in second-feet of SAN ANTONIO CREEK at Mouth of Canyon for the year ending September 30, 1950

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	+	0	0	0	0
2	0	0	0	0	0	0	0	+	0	0	0	0
3	0	0	0	0	0	0	0	+	0	0	0	0
4	0	0	0	0	0	0	0	+	0	0	0	0
5	0	0	0	0	0	0	0	+	0	0	0	0
6	0	0	0	0	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
9	0	+	0	0	0	0	+	0.1	0	0	0	0
10	0	1.1	0	0	0	0	0	0	0	0	0	0
11	0	0	0	+	0	0	0	0.2	0	0	0	0
12	0	0	0	0	0	0	0	0.2	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	0.1	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	7.4	0	0	0	0	0	0	0	0	0
19	0	0	18	0	0	0	0	0	0	0	0	0
20	0	0	0.8	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
28	0	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	
	0	1.1	26.2	+ +	0	0	+	0.6	0	0	0	0
MEAN	0	.037	0.85	+	0	0	+	.019	0	0	0	0
ACRE-FEET	0	2.2	52.	+	0	0	+	1.2	0	0	0	0

Remarks: + = 0.05 c.f.s. or less

YEAR OR PERIOD MEAN 0.076
ACRE-FEET 55.

SECTION F. C. Dist. 52 9-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

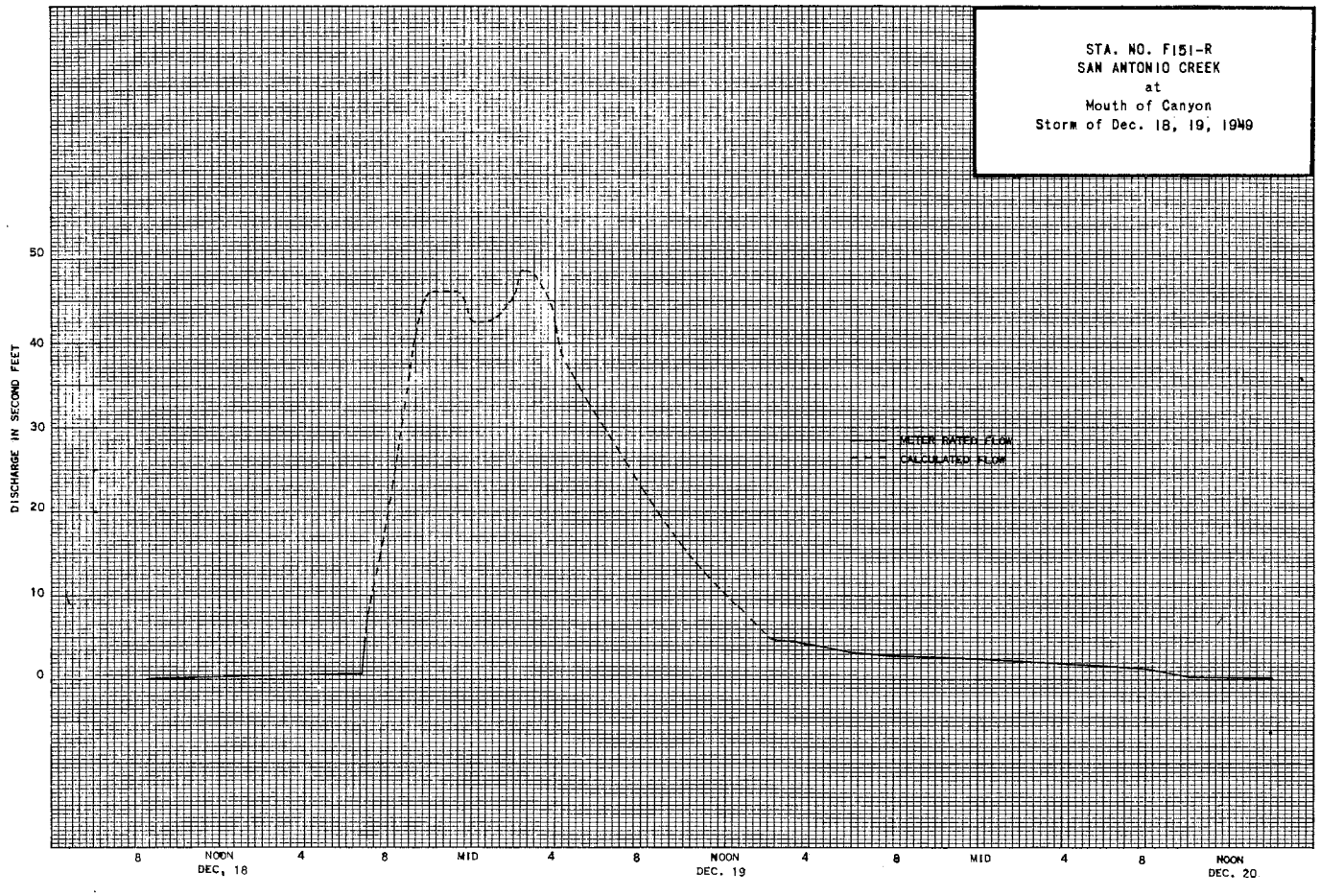
Sta. No. F151-R

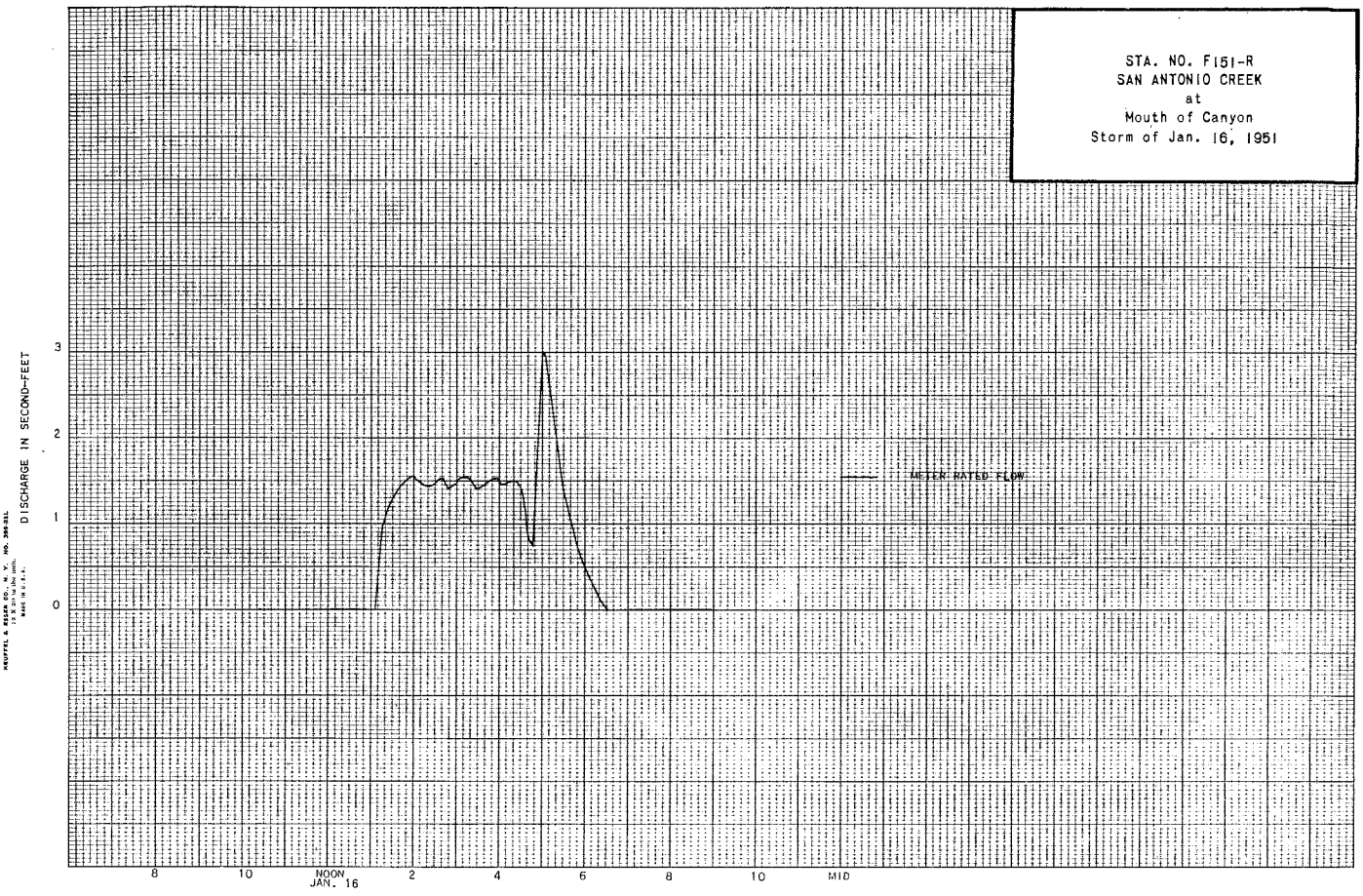
Daily discharge, in second-feet of SAN ANTONIO CREEK at Mouth of Canyon, for the year ending September 30, 19 51

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
2	0	0	0	0	+	0	0	0	0	0	0	0
3	0	0	0	0		0	0	0	0	0	0	0
4	0	0	0	0		0	+	0	0	0	0	0
5	0	0	0	0		0	+	0	0	0	0	0
6	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
11	0	0	0	0.2	0	0	0	0	0	0	0	0
12	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	Dry	0	0	0	0
16	0	0	0	0.3	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
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
22	0	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	0	0
25	0	0	0	0	0	0	+	0	0	0	0	0
26	0	0	0	0	+	0	0	0	0	0	0	0
27	0	0	0	0	+	0	0	0	0	0	0	0
28	0	0	0	+	0	0	+	0	0	0	0	0
29	0	0	0	0.3		0	+	0	0	0	0	0
30	0	0	0	0.3		0	+	0	0	0	0	0
31	0		0	0.2		0		0		0		
	0	0	0	1.3	0.1	+	+	0	0	0	0	0
MEAN	0	0	0	.042	.004	+	+	0	0	0	0	0
ACRE-FEET	0	0	0	2.6	0.2	+	+	0	0	0	0	0

Remarks: + = 0.05 c.f.s. or less.

YEAR OR PERIOD MEAN +
ACRE-FEET 2.8





STATION U1C-R

SAN DIMAS CREEK at Mouth of Canyon

LOCATION: WATER-STAGE RECORDER AND BROAD-CRESTED WEIR CONTROL, LAT. 34°08'45", LONG. 117°46'35", IN SW 1/4 NE 1/4 SEC. 25, T. 1 N., R. 9 W., AT MOUTH OF SAN DIMAS CANYON, 0.7 MILE DOWNSTREAM FROM FLOOD CONTROL RESERVOIR AND 3 MILES NORTHEAST OF SAN DIMAS. ALTITUDE OF GAGE, ABOUT 1,245 FEET.

DRAINAGE AREA: 18.3 SQUARE MILES.

RECORDS AVAILABLE: APRIL TO SEPTEMBER 1916. (DISCHARGE MEASUREMENTS ONLY). DECEMBER 1916 TO SEPTEMBER 1951.

AVERAGE DISCHARGE: 33 YEARS (1917-1950, 4.72 SECOND-FEET).
34 " (" 1951, 4.60 " ").

EXTREMES OF DISCHARGE:

1949-1950
MAXIMUM DISCHARGE, ABOUT 4.3 SECOND-FEET, APRIL 3 (GAGE HEIGHT 0.48 FT.)
MINIMUM NO FLOW DURING PARTS OF OCTOBER AND NOVEMBER.

1950-1951
MAXIMUM DISCHARGE 5.0 SECOND-FEET, APRIL 12. (GAGE HEIGHT 0.35 FT.)
MINIMUM DAILY DISCHARGE, NO FLOW DURING SEVERAL DAYS IN SEPTEMBER.

1916-1951
MAXIMUM DISCHARGE (REVISED), 5,000 SECOND-FEET MARCH 2, 1938 FROM RECORDS OF RELEASE AT SAN DIMAS FLOOD CONTROL DAM AND COMPUTED INFLOW BETWEEN DAM AND GAGING STATION. NO FLOW FOR SEVERAL MONTHS DURING MOST YEARS.

REMARKS: RECORDS GOOD. FLOW REGULATED BY SAN DIMAS DAM ABOVE STATION. SAN DIMAS WATER COMPANY DIVERTS WATER JUST BELOW GAGE FOR IRRIGATION.

COOPERATION: RECORDS FURNISHED BY THE UNITED STATES GEOLOGICAL SURVEY. 100 MEASUREMENTS FURNISHED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF SAN DIMAS CREEK

AT Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 50

NO.	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.
1983	10-17		U.S.G.S.					0.005		EST.			
1984	11-10	1430 / 1433	STUNDEN	0.6	0.24	1.12	0.07	0.27		.5	1	0	FC36
1985	12-8	1105 / 1108	"	0.5	0.09	0.44	0.02	0.04		.5	1	0	"
1986	12-15	1105 / 1110	"	0.5	0.12	0.25	0.05	0.03		FLOATS	1		
1987	12-19		U.S.G.S.	3.4	0.57	0.74	0.07	0.42		.5	13	+.03	
1988	12-19	1522 / 1529	STUNDEN	1.2	0.44	1.34	0.07	0.59		.5	3	+.01	FC36
1989	12-22	1622 / 1625	"	1.2	0.24	0.58	0.07	0.14		.5	2	0	"
1990	12-29	1430 / 1433	"	1.2	0.23	0.56	0.08	0.13		.5	2	0	"
1991	1-5	1140 / 1145	"	1.2	0.24	0.54	0.07	0.13		.5	2	0	"
1992	1-11	1345 / 1355	"	4.0	1.03	1.75	0.17	1.80		.5	6	0	"
1993	1-17		U.S.G.S.	6.1	2.61	1.19	0.25	3.11		.5 / .6	14	-.01	
1994	1-19	1450 / 1458	STUNDEN	6.0	2.59	1.08	0.26	2.80		.5 / .6	6	0	FC36
1995	1-24		U.S.G.S.	6.4	2.74	1.09	0.28	2.98		.5 / .6	15	0	
1996	1-24		"	6.4	2.62	1.10	0.28	2.87		.5 / .6	13	-.01	
1997	1-26	1445 / 1450	STUNDEN	2.0	0.98	2.04	0.24	2.00		.5 / .6	4	0	FC36
1998	2-2	1300 / 1310	"	5.0	1.92	0.83	0.23	1.60		.5	5	0	"
1999	2-6	1430 / 1440	"	5.5	2.94	1.19	0.32	3.50		.5	6	0	"
2000	2-9	1355 / 1405	"	5.5	2.24	0.98	0.27	2.20		.5	6	0	"
2001	2-14		U.S.G.S.	5.7	2.15		0.26	2.14		.5 / .6	16	0	
2002	2-16	1520 / 1530	STUNDEN	5.5	2.15	0.98	0.23	2.10		.5	7	-.005	FC36
2003	2-23	1103 / 1109	"	5.5	2.14	0.98	0.25	2.10		.5	6	0	"
2004	3-2	1130 / 1135	"	2.0	0.36	0.80	0.09	0.29		.5	4	+.01	"
2005	3-7		U.S.G.S.	4.2	0.57	0.47	0.05	0.27		.5	11	0	
2006	3-9	1118 / 1122	STUNDEN	1.0	0.18	0.78	0.05	0.14		.5	2	0	FC36
2007	3-16	1140 / 1143	"	1.0	0.18	0.72	0.04	0.13		.5	2	0	"
2008	3-21		U.S.G.S.	3.8	0.63	0.44	0.04	0.28		.5	14	0	
2009	3-23	0930 / 0933	STUNDEN	1.0	0.17	0.77	0.04	0.13		.5	2	0	FC36
2010	3-31	1420 / 1423	"	1.4	0.26	0.85	0.10	0.22		.5	3	0	"
2011	4-4		U.S.G.S.	0.6	0.15	1.20	0.06	0.18		.5	6	0	
2012	4-6	1107 / 1110	STUNDEN	0.6	0.12	1.00	0.05	0.12		.5	2	0	FC36
2013	4-13	1035 / 1038	"	0.6	0.14	1.14	0.06	0.16		.5	2	0	"
2014	4-18		U.S.G.S.	0.7	0.15	1.27	0.04	0.19		.5	7	0	
2015	4-20	1112 / 1115	STUNDEN	0.6	0.12	1.08	0.05	0.13		.5	2	0	FC36
2016	4-27	1055 / 1105	"	6.0	2.93	1.30	0.35	3.80		.6	6	0	"
2017	5-4	1125 / 1135	"	5.0	3.13	1.44	0.38	4.50		.6	5	0	"
2018	5-11	1605 / 1615	"	6.0	4.31	1.48	0.48	6.4		.6	7	0	"
2019	5-17		U.S.G.S.	6.9	4.45	1.59	0.52	7.1		.6	23	+.01	
2020	5-17	1405 / 1415	STUNDEN	5.5	3.97	1.69	0.52	6.7		.6	6	0	FC36
2021	5-25	1455 / 1505	"	5.5	3.48	1.58	0.55	5.5		.6	6	0	"
2022	6-1	1210 / 1216	"	5.5	3.34	1.59	0.63	5.3		.6	6	0	"
2023	6-6		U.S.G.S.	6.3	3.91	1.48	0.61	5.8		.5 / .6	33	0	
2024	6-8	1115 / 1125	STUNDEN	6.0	3.65	1.29	0.53	4.7		.6	6	0	FC36
2025	6-15	1340 / 1350	"	5.5	3.28	1.31	0.42	4.30		.5 / .6	6	0	"
2026	6-19		U.S.G.S.	1.95	0.43	0.49	0.06	0.21		.5	17	0	
2027	6-22	1035 / 1038	MOON - STUNDEN	1.6	0.31	0.84	0.06	0.26		.5	4	0	FC36
2028	6-28	1355 / 1400	MOON	1.6	0.31	0.48	0.04	0.15		.5	4	0	FC48H
2029	7-6		U.S.G.S.	2.5	0.55	0.25	0.04	0.14		.5	22	0	
2030	7-6	1520 / 1525	STUNDEN	1.0	0.18	0.39	0.03	0.07		.5	2	0	FC36
2031	7-12	1140 / 1145	"	1.0	0.24	0.54	0.05	0.13		.5	2	0	"
2032	7-17		U.S.G.S.	2.3	0.45	0.27	0.04	0.12		.5	21	0	
2033	7-20	1130 / 1135	STUNDEN	2.0	0.42	0.36	0.04	0.15		.5	4	0	FC36
2034	7-26	1030 / 1033	"	2.0	0.47	0.21	0.05	0.10		.5	4	0	"
2035	7-31		U.S.G.S.	2.1	0.48	0.25	0.04	0.12		.5	22	+.01	
2036	8-3	0930 / 0933	STUNDEN	2.0	0.47	0.17	0.04	0.08		.5	4	0	FC49H
2037	8-10	1148 / 1153	"	2.0	0.37	0.22	0.03	0.08		.5	4	0	"
2038	8-14		U.S.G.S.	1.5	0.31	0.32	0.03	0.10		.5	14	0	
2039	8-17	1215 / 1220	STUNDEN	0.8	0.10	0.70	0.03	0.07		.5	2	0	FC49H
2040	8-24	1347 / 1350	"	0.7	0.12	1.08	0.04	0.13		.5	2	0	"
2041	8-31	1238 / 1241	"	0.7	0.11	0.90	0.04	0.10		.5	2	0	"
2042	9-6	1135 / 1137	MOON	1.0	0.15	1.00	0.05	0.15		.5	2	0	FC48H
2043	9-6		U.S.G.S.	1.7	0.35	0.34	0.04	0.12		.5	15	0	
2044	9-14	0950 / 1000	STUNDEN - LINDSAY	2.0	0.32	0.31	0.04	0.10		.5	4	0	FC49H
2045	9-21	1407 / 1410	STUNDEN	2.0	0.28	0.39	0.03	0.11		.5	4	0	"
2046	9-27		U.S.G.S.	2.2	0.35	0.40	0.04	0.11		.5	18	0	
2047	9-28	1450 / 1455	STUNDEN	2.0	0.26	0.38	0.03	0.10		.5	4	0	FC49H

DISCHARGE MEASUREMENTS OF SAN DIMAS CREEK

~~AT~~ NEAR Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 51

NO.	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.
2048	10-5	1645 / 1648	STUNDEN	2.0	0.29	0.45	0.05	0.13		.5	4		FC49H
2049	10-9		USGS				0.07	0.14		FLUME			
2050	10-13	1145 / 1148	STUNDEN	2.0	0.30	0.37	0.05	0.11		.5	5		FC49H
2051	10-19	1205 / 1210	"	1.5	0.29	0.41	0.04	0.12		.5	6		"
2052	10-24		USGS				0.05	0.14		FLUME			
2053	10-26	1215 / 1218	STUNDEN	2.0	0.35	0.49	0.05	0.17		.5	6		FC49H
2054	10-30		USGS				0.06	0.14		FLUME			
2055	11-2	1140 / 1143	STUNDEN	2.0	0.45	0.31	0.05	0.11		.5	6		FC49H
2056	11-9	1508 / 1513	"	2.0	0.45	0.33	0.09	0.15		.5	6		"
2057	11-16	1430 / 1434	"	0.8	0.16	1.19	0.07	0.19		.5	6	0	"
2058	11-22		USGS				0.06	0.17		FLUME			
2059	11-22	1450 / 1454	STUNDEN	2.0	0.35	0.40	0.05	0.14		.5	6		FC49H
2060	11-30	1210 / 1215	"	0.8	0.18	1.00	0.07	0.16		.5	6		"
2061	12-7	1305 / 1310	"	0.8	0.13	1.00	0.06	0.13		.5	5		FC36
2062	12-13		USGS				0.06	0.17		FLUME			
2063	12-14	1020 / 1024	STUNDEN	1.0	0.18	1.38	0.07	0.25		.5	5		FC49H
2064	12-21	1223 / 1228	"	1.2	0.13	1.00	0.05	0.13		.5	6		"
2065	12-28	1230 / 1235	"	1.5	0.17	0.82	0.06	0.14		.5	7		"
2066	1-2		USGS	1.6	0.31	0.58	0.06	0.18		.5	15	-.01	
2067	1-4	1225 / 1230	STUNDEN	1.6	0.21	0.76	0.06	0.16		.5	5		FC36
2068	1-11	1205 / 1210	"	1.6	0.18	0.77	0.07	0.14		.5	5		"
2069	1-17		USGS	1.6	0.23	0.91	0.06	0.21		.5	5	0	
2070	1-18	1220 / 1225	STUNDEN	1.8	0.23	0.65	0.06	0.15		.5	5		FC36
2071	1-25	1050 / 1054	"	1.8	0.27	0.81	0.08	0.22		.5	7		FC49H
2072	1-31		USGS	1.9	0.29	0.90	0.07	0.26		.5	18	0	
2073	2-1	1318 / 1323	STUNDEN	1.9	0.27	0.81	0.07	0.22		.5	6		FC49H
2074	2-8	1440 / 1445	SPENCER - STUNDEN	1.8	0.26	0.77	0.07	0.20		.5	7		FC36
2075	2-13		USGS	1.8	0.23	0.77	0.06	0.18		.5	17		
2076	2-15	1308 / 1313	STUNDEN	1.8	0.25	0.80	0.06	0.20		.5	7		FC49H
2077	2-21	1545 / 1550	"	1.7	0.24	0.88	0.05	0.21		.5	6	0	"
2078	2-26		USGS	1.6	0.22	0.91	0.06	0.20		.5	16	0	
2079	3-1	1455 / 1459	STUNDEN	1.8	0.27	0.96	0.08	0.26		.5	5		FC36
2080	3-8	1605 / 1610	"	1.9	0.28	0.89	0.06	0.25		.5	6		"
2081	3-14		USGS	1.6	0.21	0.90	0.06	0.19		.5	17	0	
2082	3-15	1110 / 1115	STUNDEN	1.7	0.21	0.76	0.05	0.16		.5	5		FC49H
2083	3-21	1410 / 1414	"	1.7	0.21	0.76	0.05	0.16		.5	6		"
2084	3-28		USGS	1.7	0.21	0.93	0.06	0.20		.5	17	0	
2085	3-29	1400 / 1405	STUNDEN	1.8	0.26	0.77	0.05	0.20		.5	7		FC49H
2086	4-4	1513 / 1518	"	1.7	0.27	0.74	0.06	0.20		.5	7		"
2087	4-11		USGS	1.7	0.23	1.14	0.07	0.26		.5	16	-.005	
2088	4-12	0800 / 0830	STUNDEN	4.0	2.89	1.66	0.34	4.8		.6	10	0	FC36
2089	4-19	1525 / 1535	"	4.5	3.11	1.35	0.30	4.2		.5 / .6	9	-.01	"
2090	4-23		USGS	9.6	5.65	0.48	0.34	2.73		.5 / .6	21		

NO.	DATE	BEGIN / END	MADE 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.
2091	4-26	0930 / 0935	STUNDEN	2.0	0.39	1.20	0.08	0.47		.5	6		FC36
2092	5-3	1450 / 1455	"	1.7	0.41	0.93	0.08	0.38		.5	6	0	FC49H
2093	5-8	1000 / 1010	"	2.2	0.67	3.58	0.31	2.4		.5	6		FC36
2094	5-10	1330 / 1340	STUNDEN-BOBIK	2.2	0.63	3.49	0.31	2.2		.5	7	0	"
2095	5-11		USGS	3.4	2.30	1.17	0.30	2.70		.5 .6	10	0	
2096	5-16	0825 / 0830	STUNDEN	3.4	2.24	0.94	0.29	2.1		.6	8	0	FC36
2097	5-17	0845 / 0855	"	2.5	0.86	1.00	0.12	0.86		.5	9	0	FC49H
2098	5-24	1000 / 1008	"	1.6	0.23	0.83	0.06	0.19		.5	6	0	"
2099	5-29		USGS				0.05	0.18		FLUME			
2100	5-31	1520 / 1524	STUNDEN	0.7	0.10	1.60	0.05	0.16		.5	4	0	FC49H
2101	6-7	1415 / 1420	"	0.8	0.11	1.45	0.06	0.16		.5	5	0	FC50H
2102	6-14	1315 / 1320	"	0.8	0.11	1.64	0.05	0.18		.5	5	0	"
2103	6-19		USGS	1.6	0.25	0.80	0.05	0.20		.5	9	0	
2104	6-21	1520 / 1525	STUNDEN	0.8	0.15	1.53	0.06	0.23		.5	5	0	FC50H
2105	6-28	1500 / 1505	"	0.8	0.11	1.09	0.04	0.12		.5	5	0	"
2106	7-2		USGS				0.06	0.18		FLUME			
2107	7-5	0930 / 0935	STUNDEN	0.7	0.14	1.71	0.06	0.24		.5	5	0	FC50H
2108	7-12	1310 / 1315	"	0.5	0.11	1.18	0.05	0.13		.5	4	0	"
2109	7-17		USGS				0.04	0.13		FLUME			
2110	7-19	0945 / 0950	STUNDEN	0.9	0.13	1.00	0.06	0.13		.5	5		FC50H
2111	7-26	1010 / 1016	"	1.4	0.30	0.60	0.04	0.18		.5	7	0	"
2112	8-1		USGS	1.4	0.19	0.79	0.04	0.15		.5	8	0	
2113	8-2	0838 / 0843	STUNDEN	0.9	0.07	1.43	0.04	0.10		.5	5		FC50H
2114	8-9	1305 / 1310	"	1.0	0.13	1.15	0.05	0.15		.5	5		"
2115	8-16	1045 / 1050	"	1.7	0.29	0.45	0.05	0.13		.5	7		"
2116	8-23	0845 / 0850	"	0.9	0.13	1.78	0.06	0.23		.5	6		"
2117	8-30	0900 / 0905	"	1.0	0.13	1.76	0.07	0.23		.5	6	0	"
2118	9-5		USGS				0.05	0.14		FLUME			
2119	9-7	1250 / 1255	MOON	1.0	0.12	1.25	0.05	0.15		.5	2	0	FC50H
2120	9-14	1237 / 1239	"	1.0	0.12	0.75	0.03	0.09		.5	2	0	"
2121	9-20	1205 / 1208	STUNDEN	0.5	0.05	1.00	0.01	0.05	FLOATS	2	0		
2122	9-27	1500 / 1503	"	0.3	0.02	1.00	0.00	0.02		.5	3	0	FC50H

7d1974M F. C. Dist. 52 9-50

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, 1950

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.1	0	0	0.1	2.4	0.6	0.2	3.7	5.3	0.1	0.2	0.1
2	0.1	0	0	0.1	2.4	0.6	0.2	4.2	5.3	0.1	0.2	0.1
3	0	0	0	0.1	2.3	0.5	0.3	4.6	5.3	0.1	0.2	0.1
4	0	0	0	0.1	2.4	0.4	0.2	4.6	5.3	0.1	0.2	0.1
5	0	0	0	0.2	2.4	0.3	0.2	4.6	5.5	0.1	0.2	0.1
6	0	0	0	0.3	2.8	0.3	0.1	4.6	5.7	0.1	0.2	0.2
7	0	0	0	0.5	2.3	0.3	0.1	4.8	5.4	0.1	0.2	0.1
8	0	0	0	1.2	2.3	0.3	0.2	5.0	4.7	0.1	0.2	0.2
9	0	0	0	1.3	2.2	0.3	0.2	5.4	4.5	0.1	0.1	0.2
10	0	0.2	0	1.4	2.3	0.3	0.2	6.0	4.5	0.1	0.1	0.1
11	0	0	0	2.0	2.2	0.3	0.2	6.4	4.3	0.1	0.1	0.1
12	0	0	0	2.2	2.2	0.3	0.2	6.7	4.3	0.1	0.2	0.1
13	0	0	0	2.0	2.2	0.3	0.2	6.7	4.3	0.1	0.3	0.1
14	0	0	0	2.3	2.2	0.3	0.2	6.8	4.3	0.1	0.2	0.1
15	0	0	0	2.5	2.0	0.3	0.2	6.8	4.3	0.1	0.2	0.1
16	0	0	0	2.8	1.9	0.3	0.2	7.0	4.2	0.2	0.1	0.2
17	0	0	0.2	3.2	2.0	0.3	0.2	7.0	2.3	0.2	0.1	0.2
18	0	0	0.3	3.1	2.0	0.3	0.2	6.8	0.4	0.2	0.1	0.2
19	0	0	0.3	3.0	2.0	0.3	0.2	6.5	0.3	0.2	0.1	0.1
20	0	0	0.2	2.8	2.0	0.3	0.1	6.4	0.2	0.2	0.1	0.1
21	0	0	0.2	2.7	2.2	0.3	0.1	6.1	0.3	0.2	0.1	0.2
22	0	0	0.1	2.7	2.2	0.2	1.8	5.8	0.3	0.2	0.1	0.2
23	0	0	0.1	2.8	2.3	0.1	3.6	5.5	0.3	0.1	0.2	0.2
24	0	0	0.1	2.8	2.3	0.2	3.6	5.5	0.2	0.1	0.2	0.1
25	0	0	0.1	2.7	2.0	0.4	3.7	5.5	0.2	0.2	0.2	0.2
26	0	0	0.1	2.4	2.0	0.3	3.8	5.5	0.2	0.1	0.2	0.2
27	0	0	0.1	2.4	1.6	0.3	3.8	5.5	0.2	0.1	0.2	0.2
28	0	0	0.1	2.4	0.7	0.3	3.7	5.4	0.2	0.1	0.1	0.1
29	0	0	0.1	2.5		0.2	3.6	5.4	0.2	0.1	0.1	0.2
30	0	0	0.1	2.4		0.2	3.7	5.4	0.1	0.2	0.1	0.3
31	0		0.1	2.4		0.2		5.3		0.2	0.1	
	0.2	0.2	2.2	59.4	59.8	9.6	35.2	175.5	82.6	4.1	4.9	4.5
MEAN	.01	.01	.07	1.92	2.14	.31	1.17	5.66	2.75	.13	.16	.15
ACRE-FEET	.4	.4	4.4	118	119	19	70	348	164	8.1	9.7	8.9

Remarks:

YEAR OR PERIOD MEAN 1.20
ACRE-FEET 870

7SD74M F. C. Dist. 52 8-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. 110-H

Daily discharge, in second-feet of SAN DIMAS CREEK at Mouth of Canyon, for the year ending September 30, 1951

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.1	0.2	0.1	0.2	0.2	0.3	0.3	1.1	0.1	0.1	0.2	0.1
2	0.1	0.2	0.1	0.2	0.2	0.3	0.3	0.4	0.1	0.1	0.1	0.1
3	0.1	0.2	0.2	0.1	0.2	0.2	0.3	0.4	0.1	0.1	0.1	0.1
4	0.1	0.2	0.2	0.1	0.2	0.2	0.3	0.4	0.1	0.2	0.1	0.1
5	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.1	0.2	0.1	0.1
6	0.1	0.1	0.1	0.1	0.2	0.2	0.4	0.6	0.1	0.1	0.1	0.1
7	0.1	0.1	0.1	0.1	0.2	0.2	0.3	1.4	0.1	0.1	0.1	0.1
8	0.1	0.1	0.1	0.1	0.2	0.2	0.3	2.3	0.2	0.1	0.1	0.1
9	0.1	0.2	0.1	0.1	0.2	0.3	0.3	2.5	0.1	0.1	0.1	0.1
10	0.1	0.1	0.1	0.1	0.1	0.3	0.3	2.7	0.2	0.1	0.2	0.1
11	0.1	0.1	0.1	0.1	0.2	0.3	2.4	2.7	0.2	0.1	0.2	0.2
12	0.1	0.2	0.1	0.1	0.1	0.2	4.8	2.5	0.2	0.1	0.2	0.2
13	0.1	0.4	0.2	0.1	0.1	0.2	4.7	2.4	0.2	0.1	0.1	0.2
14	0.1	0.3	0.2	0.1	0.2	0.1	4.7	2.3	0.2	0.1	0.1	0.1
15	0.1	0.2	0.2	0.1	0.2	0.1	4.5	2.3	0.2	0.2	0.1	0.1
16	0.1	0.2	0.2	0.2	0.2	0.2	4.3	1.4	0.2	0.2	0.1	0.1
17	0.1	0.2	0.2	0.2	0.2	0.2	4.3	0.7	0.2	0.1	0.1	0
18	0.2	0.2	0.2	0.2	0.2	0.1	4.2	0.4	0.2	0.1	0.1	0
19	0.2	0.2	0.2	0.2	0.2	0.1	4.2	0.2	0.2	0.1	0.1	0
20	0.2	0.2	0.2	0.2	0.3	0.1	3.7	0.2	0.2	0.1	0.1	0
21	0.2	0.2	0.1	0.2	0.3	0.2	3.2	0.2	0.2	0.1	0.1	0
22	0.2	0.2	0.1	0.2	0.3	0.2	2.7	0.2	0.2	0.1	0.1	0
23	0.1	0.2	0.1	0.2	0.2	0.2	2.7	0.2	0.2	0.1	0.1	0.1
24	0.1	0.1	0.1	0.2	0.2	0.2	2.7	0.1	0.2	0.1	0.2	0.1
25	0.1	0.2	0.1	0.2	0.2	0.2	2.2	0.1	0.2	0.2	0.2	0
26	0.2	0.2	0.2	0.2	0.3	0.2	0.4	0.1	0.2	0.1	0.2	0.1
27	0.2	0.2	0.2	0.2	0.3	0.2	0.4	0.1	0.2	0.1	0.1	0.1
28	0.2	0.1	0.1	0.3	0.3	0.2	0.8	0.1	0.2	0.2	0.1	0.1
29	0.2	0.1	0.1	0.4		0.2	1.7	0.1	0.2	0.2	0.2	0.1
30	0.1	0.1	0.1	0.4		0.3	1.6	0.2	0.2	0.1	0.2	0
31	0.2		0.1	0.4		0.3		0.2		0.1	0.1	
	4.2	5.4	4.4	5.7	5.9	6.4	63.4	28.9	5.2	3.8	4.0	2.5
MEAN	0.14	0.18	0.14	0.18	0.21	0.21	2.11	0.93	0.17	0.12	0.13	0.08
ACRE-FEET	8.3	11.	8.7	11.	12.	13.	126.	57.	10.	7.5	7.9	5.0

Remarks:

YEAR OR PERIOD MEAN 0.38
ACRE-FEET 277.

STATION F218-R

SAN DIMAS WASH below Pudd. Diversion

LOCATION: WATER-STAGE RECORDER, LAT. 34°07'52", LONG. 117°46'58", ON SAN DIMAS TYPE FLUME ABOUT 75 FEET WEST OF THE SOUTHERLY END OF PUDDINGSTONE DIVERSION DAM. ABOUT 3.0 MILES NORTHWEST OF LA VERNE. ELEVATION OF ZERO GAGE HEIGHT, 1126.86 FEET

DRAINAGE AREA: 18.8 SQUARE MILES. 16.2 SQUARE MILES CONTROLLED BY SAN DIMAS DAM AND 2.6 SQUARE MILES CONTROLLED BY PUDDINGSTONE DIVERSION DAM.

CHANNEL AND CONTROL: CHANNEL - SAND AND GRAVEL. CONTROL - 3 FT. X 3 FT. SAN DIMAS TYPE FLUME.

DISCHARGE MEASUREMENTS: LOW AND HIGH FLOWS MEASURED BY WADING.

RECORDER: INSTALLED NOVEMBER 28, 1945 IN A WOODEN HOUSE OVER A 2 FT. X 4 FT. CONCRETE STILLING WELL. A RATIONAL HORIZONTAL WEEKLY RECORDER WAS IN SERVICE FROM OCTOBER 1, 1949 TO SEPTEMBER 30, 1951.

REGULATION AND/OR 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 FOR IRRIGATION.

RECORDS AVAILABLE: NOVEMBER 28, 1945 TO SEPTEMBER 30, 1951. SOME STREAM MEASUREMENTS FOR EARLIER YEARS ARE AVAILABLE.

EXTREMES OF DISCHARGE:

1949-50
NO FLOW FOR ENTIRE YEAR.

1950-51
NO FLOW FOR ENTIRE YEAR.

1945-51
MAXIMUM 42 SECOND-FEET, APRIL 4, 1946.
MINIMUM NO FLOW MOST OF EACH YEAR.

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

REMARKS: NO FLOW FOR ENTIRE YEAR.

STATION F209-R

SAN GABRIEL RIVER-WEST FORK below San Gabriel Dam No. 2

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 SAN GABRIEL DAM NO. 2. 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, 1949 TO SEPTEMBER 30, 1951.

REGULATION: 40.4 SQUARE MILES REGULATED BY SAN GABRIEL DAM NO. 2. 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, 1951.

EXTREMES OF DISCHARGE:

1949-50
MAXIMUM 84, SECOND-FEET, MARCH 2.
MINIMUM 0.1 SECOND-FOOT, VARIOUS TIMES.

1950-51
MAXIMUM 52, SECOND-FEET, OCTOBER 24.
MINIMUM 0.2 SECOND-FOOT, VARIOUS TIMES

1933-51
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 SAN GABRIEL DAM NO. 2.

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER - WEST FORK

AT OR NEAR 1/2 mile below San Gabriel Dam No. 2 DURING THE YEAR ENDING SEPTEMBER 30, 19 50

NO.	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. IN. CHANGE TOTAL	METER NO.
2254	10-6	1426 / 1428	MIDDLETON	1.0	0.15	0.47	3.12	0.07		.6	2	0	FC26
2255	10-13	1419 / 1423	DE VORE	1.0	0.10	0.60	3.12	0.06		.5	2	0	FC32
2256	10-20	1100 / 1108	"	1.5	0.25	0.44	3.14	0.11		.5	4	0	FC26
2257	10-27	1334 / 1336	MIDDLETON	1.5	0.22	0.41	3.14	0.09		.6	2	0	"
2258	11-3	1151 / 1153	"	1.5	0.27	0.52	3.14	0.14		.6	3	0	FC29
2259	11-10	1155 / 1210	DE VORE	9.0	2.44	0.30	3.23	0.73		.5 .6	7	+.01	FC26
2260	11-17	1057 / 1100	"	1.6	0.31	0.35	3.15	0.11		.5	2	0	"
2261	11-25	0808 / 0818	WILSON	1.6	0.28	0.36	3.15	0.10		.5	4	0	"
2262	12-1	1028 / 1031	MIDDLETON	1.2	0.29	0.55	3.16	0.16		.6	4	0	FC29
2263	12-8	1442 / 1444	DE VORE	1.8	0.33	0.64	3.20	0.21		.5	2	0	FC26
2264	12-15	1059 / 1102	"	1.7	0.27	0.37	3.17	0.10		.5	2	0	"
2265	12-22	1048 / 1053	"	2.0	0.36	0.50	3.18	0.18		.5	3	0	"
2266	12-30	1442 / 1448	MIDDLETON	2.3	0.48	0.56	3.18	0.27		.6	5	0	FC29
2267	1-5	1013 / 1017	"	1.7	0.40	0.65	3.20	0.26		.6	4	0	"
2268	1-12	1349 / 1357	DE VORE	3.0	0.51	0.78	3.21	0.40		.5	5	0	FC26
2269	1-19	1037 / 1042	MIDDLETON	2.0	0.46	0.72	3.20	0.33		.6	4	0	FC29
2270	1-26	1042 / 1047	"	2.0	0.48	0.75	3.22	0.36		.6	5	0	"
2271	2-2	1508 / 1511	MIDDLETON - DE VORE	2.3	0.56	0.73	3.23	0.41		.6	5	0	FC32
2272	2-9	1417 / 1423	MIDDLETON	2.0	0.54	0.94	3.23	0.51		.6	5	0	FC26
2273	2-16	1330 / 1344	WILSON	2.0	0.62	0.90	3.24	0.56		.6	9	0	FC32
2274	2-22	0752 / 0758	MIDDLETON	2.2	0.68	0.93	3.24	0.63		.6	7	0	"
2275	2-22	0850 / 0908	"	11.0	7.43	1.62	3.67	12.0		.6	12	-.01	"
2276	2-23	1328 / 1345	"	11.2	7.07	1.54	3.65	10.9		.6	13	0	"
2277	2-27	0943 / 1001	WILSON	10.0	7.01	1.57	3.65	11.0		.6	10	0	"
2278	3-2	0725 / 0742	MIDDLETON	10.1	7.25	1.50	3.65	10.9		.6	11	0	FC26
2279	3-2	0922 / 0928	"	4.0	0.98	0.94	3.25	0.92		.6	5	0	"
2280	3-2	1032 / 1050	"	10.1	7.18	1.63	3.66	11.7		.6	11	0	"
2281	3-6	0628 / 0646	WILSON	10.0	7.04	1.60	3.66	11.3		.6	11	0	FC32
2282	3-6	1050 / 1100	"	3.5	0.92	0.86	3.23	0.79		.6	7	0	"
2283	3-9	0948 / 1002	"	3.3	0.96	0.66	3.20	0.63		.6	9	0	"
2284	3-16	0904 / 0918	"	3.4	0.96	0.70	3.20	0.67		.6	8	0	"
2285	3-23	1004 / 1010	MIDDLETON	2.5	0.69	0.88	3.23	0.61		.6	5	0	FC26
2286	3-30	0825 / 0835	WILSON	2.6	0.64	0.87	3.26	0.56		.6	7	0	FC32
2287	4-4	0752 / 0758	MIDDLETON	2.1	0.58	1.09	3.27	0.63		.6	5	0	FC26
2288	4-4	0850 / 0905	"	9.0	5.47	0.95	3.52	5.2		.6	10	0	"
2289	4-4	0955 / 1003	MIDDLETON - CROWELL	8.9	5.17	0.87	3.49	4.5		.6	10	0	"
2290	4-4	1048 / 1056	"	4.8	1.54	1.04	3.35	1.6		.6	6	0	"
2291	4-4	1137 / 1146	"	5.2	1.94	1.49	3.41	2.9		.6	6	0	"
2292	4-6	1014 / 1028	MIDDLETON	4.5	1.67	1.50	3.38	2.5		.6	9	0	"
2293	4-10	1057 / 1111	DE VORE	8.0	3.40	0.47	3.32	1.6		.6	9	0	FC32
2294	4-13	1047 / 1052	MIDDLETON - CROWELL	2.4	0.59	1.19	3.25	0.70		.6	5	0	"
2295	4-13	1134 / 1143	"	5.1	2.14	2.00	3.45	4.3		.6	10	0	"
2296	4-13	1232 / 1238	"	3.5	0.97	1.24	3.29	1.2		.6	6	-.02	"
2297	4-13	1420 / 1428	"	5.0	1.86	1.88	3.44	3.5		.6	9	0	"
2298	4-17	1406 / 1422	DE VORE	8.3	3.89	0.62	3.38	2.4		.6	10	0	"
2299	4-20	0723 / 0735	MIDDLETON	5.0	1.62	1.48	3.40	2.4		.6	9	0	FC26
2300	4-20	0850 / 0903	"	9.3	5.93	1.20	3.61	7.1		.6	11	0	"
2301	4-20	1100 / 1116	"	9.9	6.69	1.35	3.67	9.0		.6	11	0	"
2302	4-20	1300 / 1316	"	10.0	6.85	1.45	3.68	9.9		.6	10	0	"
2303	4-24	0922 / 0947	DE VORE - CROWELL	10.0	6.70	1.37	3.68	9.2		.6	12	0	FC32
2304	4-27	0928 / 0944	MIDDLETON	10.0	6.70	1.34	3.69	9.0		.6	10	0	"
2305	4-27	1107 / 1115	"	3.5	1.05	1.05	3.31	1.1		.6	6	0	"
2306	4-27	1153 / 1208	"	9.5	6.83	1.45	3.71	9.9		.6	10	0	"
2307	5-1	0920 / 0941	DE VORE	9.7	6.84	1.49	3.71	10.2		.6	11	0	"
2308	5-4	1012 / 1025	MIDDLETON	9.0	5.09	0.84	3.54	4.3		.6	9	0	FC26
2309	5-4	1115 / 1129	"	9.7	6.97	1.42	3.73	9.9		.6	10	0	"
2310	5-8	0907 / 0928	DE VORE	9.4	5.76	0.99	3.60	5.7		.6	11	0	FC32
2311	5-8	1130 / 1147	"	9.6	6.92	1.40	3.73	9.7		.6	11	-.01	"
2312	5-11	0921 / 0941	"	9.7	6.68	1.24	3.69	8.3		.6	11	0	"
2313	5-15	0735 / 0750	MIDDLETON	9.7	6.39	1.10	3.67	7.0		.6	10	0	FC26
2314	5-15	1028 / 1033	"	3.2	0.97	0.66	3.35	0.64		.6	6	0	"
2315	5-15	1100 / 1117	"	10.0	7.86	1.49	3.81	11.7		.6	10	0	"
2316	5-15	1133 / 1148	"	9.8	7.63	1.39	3.79	10.6		.6	10	0	"
2317	5-18	1100 / 1123	DE VORE	9.8	6.81	1.26	3.72	8.6		.6	12	0	FC32
2318	5-22	0851 / 0911	"	9.6	6.54	1.23	3.68	8.1		.6	12	0	"
2319	5-25	0935 / 0948	MIDDLETON	9.5	6.13	1.08	3.65	6.6		.6	10	0	FC26
2320	5-25	1026 / 1050	"	9.2	5.75	1.41	3.58	8.1		.6	12	0	"
2321	5-25	1200 / 1216	"	9.2	5.55	1.57	3.56	8.7		.6	12	0	"
2322	5-29	0835 / 0856	DE VORE	9.5	5.56	1.56	3.54	8.7		.6	12	0	FC32
2323	6-1	0932 / 0946	MIDDLETON	8.0	3.11	0.39	3.26	1.2		.6	9	-.02	FC26
2324	6-1	1015 / 1031	"	9.1	5.01	1.28	3.46	6.4		.6	12	-.01	"
2325	6-1	1112 / 1133	"	9.6	6.48	1.84	3.62	11.9		.6	14	0	"
2326	6-5	0918 / 0943	DE VORE	9.9	6.59	1.82	3.61	12.0		.6	13	0	FC32
2327	6-8	0906 / 0924	MIDDLETON	10.2	6.58	1.67	3.61	11.0		.6	12	0	FC26
2328	6-12	1011 / 1034	DE VORE	9.9	6.60	1.74	3.60	11.5		.6	13	0	FC32
2329	6-15	1000 / 1012	LANG	7.9	2.53	0.36	3.20	0.90		.6	8	0	FC12
2330	6-15	1115 / 1132	"	9.8	6.21	1.80	3.60	11.2		.6	10	0	"
2331	6-19		DE VORE				3.59	11.0					FC32
2332	6-22	1007 / 1024	LANG	10.0	6.22	1.69	3.58	10.5		.6	11	0	FC12
2333	6-26	0855 / 0920	WILSON	9.9	6.11	1.69	3.57	10.3		.6	12	0	FC32
2334	6-29	0935 / 0945	MIDDLETON	4.3	1.43	0.91	3.23	1.3		.6	8	-.01	FC29
2335	6-29	1015 / 1033	"	10.0	6.41	1.76	3.59	11.3		.6	13	0	"
2336	7-3	0906 / 0926	DE VORE	10.3	6.43	1.74	3.59	11.2		.6	11	0	FC32
2337	7-6	0952 / 0910	MIDDLETON	10.2	6.53	1.68	3.59	11.0		.6	12	0	FC29
2338	7-10	0911 / 0932	DE VORE	10.3	6.22	1.61	3.57	10.0		.6	12	0	FC32
2339	7-13	1020 / 1028	MIDDLETON	2.9	0.81	0.91	3.19	0.74		.6	6	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.
2340	7-13	1152 / 1210	"	10.5	7.46	1.60	3.60	11.9		.6	11	0	"
2341	7-17	0935 / 1000	DE VORE	10.4	7.09	1.56	3.60	11.1		.6	14	0	FC32
2342	7-20	1018 / 1034	MIDDLETON	10.4	7.17	1.55	3.59	11.1		.6	12	0	FC26
2343	7-24	1325 / 1345	CROWELL - DE VORE	10.4	6.97	1.48	3.58	10.3		.6	11	0	FC32
2344	7-27	1031 / 1047	LANG	10.2	6.89	1.49	3.57	10.3		.6	11	0	"
2345	7-31	0915 / 0941	CROWELL - DE VORE	10.3	6.50	1.35	3.54	8.8		.6	13	0	"
2346	8-3	0927 / 0933	MIDDLETON	3.0	0.92	1.20	3.21	1.1		.6	6	-.02	FC26
2347	8-3	1005 / 1021	"	10.7	7.62	1.68	3.61	12.8		.6	11	0	"
2348	8-3	1030 / 1046	"	10.7	7.18	1.53	3.58	11.0		.6	11	0	"
2349	8-7	0916 / 0942	DE VORE - CROWELL	10.6	6.75	1.51	3.57	10.2		.6	12	0	FC32
2350	8-10	0905 / 0922	MIDDLETON	10.5	6.51	1.38	3.54	9.0		.6	11	0	FC26
2351	8-10	1052 / 1110	"	10.8	7.46	1.65	3.61	12.3		.6	12	0	"
2352	8-14	0901 / 0920	DE VORE - CROWELL	11.0	7.41	1.58	3.61	11.7		.6	12	0	FC32
2353	8-17	0957 / 1009	MIDDLETON	2.5	0.73	0.82	3.17	0.60		.6	5	0	FC26
2354	8-17	1200 / 1220	"	10.8	7.94	1.56	3.62	12.4		.6	13	-.01	"
2355	8-21	0905 / 0926	DE VORE - CROWELL	11.0	7.68	1.54	3.62	11.8		.6	12	0	FC32
2356	8-24	0930 / 0946	MIDDLETON	10.9	7.76	1.52	3.62	11.8		.6	12	0	FC26
2357	8-24	1033 / 1049	"	10.7	6.93	1.36	3.55	9.4		.6	12	0	"
2358	8-24	1135 / 1153	"	10.5	6.18	1.20	3.49	7.4		.6	12	0	"
2359	8-28	0911 / 0928	DE VORE - CROWELL	10.6	5.98	1.15	3.47	6.9		.6	11	0	FC32
2360	8-31	0927 / 0934	MIDDLETON	3.8	1.21	0.91	3.25	1.1		.6	6	-.02	FC26
2361	8-31	1022 / 1040	"	10.8	7.23	1.49	3.58	10.8		.6	12	0	"
2362	8-31	1326 / 1344	"	10.6	6.73	1.37	3.54	9.2		.6	13	0	"
2363	9-4	1022 / 1042	DE VORE	10.8	6.58	1.37	3.53	9.0		.6	12	0	FC32
2364	9-7	1018 / 1034	MIDDLETON - LINDSAY	10.7	6.60	1.33	3.53	8.8		.6	13	0	FC26
2365	9-14	0950 / 0958	MIDDLETON	3.2	0.99	0.65	3.15	0.64		.6	6	-.01	"
2366	9-14	1130 / 1150	"	10.8	6.50	1.48	3.52	9.6		.6	13	0	"
2367	9-18	0926 / 0947	DE VORE - CROWELL	10.9	6.41	1.50	3.52	9.6		.6	13	0	FC32
2368	9-20	0912 / 0929	MIDDLETON	10.7	6.13	1.45	3.51	8.9		.6	13	0	FC26
2369	9-20	1038 / 1053	"	8.1	2.73	1.17	3.33	3.2		.6	11	-.06	"
2370	9-20	1155 / 1212	"	6.2	3.25	2.31	3.45	7.5		.6	12	0	"
2371	9-20	1250 / 1308	"	10.4	5.35	1.14	3.40	6.1		.6	13	0	"
2372	9-25	0821 / 0845	DE VORE	10.5	4.98	1.08	3.38	5.4		.6	12	0	FC32
2373	9-28	1000 / 1016	MIDDLETON	10.7	6.07	1.38	3.48	8.4		.6	12	0	FC26
2374	9-28	1058 / 1114	"	10.4	5.33	1.16	3.40	6.2		.6	13	0	"

DISCHARGE MEASUREMENTS OF SAN GABRIEL - WEST FORK

AT OR NEAR ½ mile below San Gabriel Dam No. 2 DURING THE YEAR ENDING SEPTEMBER 30, 19 51

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
2375	10-2	0812 / 0832	DE VORE	10.4	4.86	1.07	3.37	5.2		.6	13	0	FC32
2376	10-5	0920 / 0935	MIDDLETON	10.1	4.48	0.87	3.32	3.9		.6	12	0	FC26
2377	10-5	1000 / 1016	"	10.4	5.38	1.15	3.40	6.2		.6	13	0	"
2378	10-9	1516 / 1531	DE VORE	9.5	2.97	0.50	3.19	1.5		.5 / .6	10	0	FC32
2379	10-13	1411 / 1437	WILSON	9.2	2.85	0.49	3.18	1.4		.5 / .6	10	0	"
2380	10-16	1355 / 1406	MIDDLETON-DE VORE	3.5	1.06	0.82	3.17	0.87		.6	8	0	"
2381	10-20	1420 / 1435	MIDDLETON	4.0	1.79	0.67	3.17	1.2		.6	9	0	"
2382	10-23	1350 / 1416	DE VORE	6.0	2.66	0.41	3.17	1.1		.6	10	+.01	"
2383	10-24	0811 / 0818	"	1.4	0.20	0.85	3.05	0.17		.6	5	0	"
2384	10-26	1235 / 1252	MIDDLETON	4.1	1.42	0.70	3.15	1.0		.6	10	-0	FC26
2385	11-2	1012 / 1033	"	6.7	3.11	0.68	3.22	2.1		.6	15	-0	"
2386	11-9	1127 / 1133	"	1.8	0.53	1.02	3.12	0.54		.6	7	0	"
2387	11-16	1033 / 1037	"	1.3	0.30	0.50	3.04	0.15		.6	6	0	"
2388	11-24	1015 / 1030	WILSON	1.4	0.30	0.53	3.04	0.16		.6	7	0	FC32
2389	11-30	1023 / 1027	MIDDLETON	1.1	0.25	0.64	3.05	0.16		.6	6	0	FC26
2390	12-7	1041 / 1048	"	1.3	0.32	0.81	3.07	0.26		.6	7	0	"

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
2391	12-14	1021 / 1028	"	1.3	0.34	0.47	3.06	0.16		.6	7	0	"
2392	12-21	0915 / 0925	WILSON	1.4	0.33	0.52	3.06	0.17		.6	8	0	FC32
2393	12-28	1038 / 1042	MIDDLETON	1.6	0.44	0.43	3.08	0.19		.6	5	0	FC26
2394	1-4	1059 / 1108	"	1.2	0.38	0.58	3.11	0.22		.6	7	0	"
2395	1-11	1015 / 1025	THOMAS-MIDDLETON	1.6	0.41	0.49	3.11	0.20		.6	8	0	"
2396	1-18	0926 / 0932	MIDDLETON	1.6	0.33	0.58	3.10	0.19		.6	5	0	FC32
2397	1-25	1035 / 1045	"	1.7	0.45	0.49	3.10	0.22		.6	8	0	FC26
2398	2-1	1050 / 1059	SPENCER-MIDDLETON	1.6	0.38	0.58	3.11	0.22		.6	6	0	"
2399	2-8	0946 / 0956	WILSON	1.4	0.34	0.50	3.10	0.17		.6	8	0	FC32
2400	2-15	0930 / 0940	MIDDLETON	1.5	0.41	0.41	3.12	0.17		.6	8	0	FC26
2401	2-21	1038 / 1048	"	1.6	0.46	0.41	3.15	0.19		.6	8	0	"
2402	3-1	1320 / 1327	MIDDLETON-LINDSAY	2.2	0.70	0.59	3.23	0.41		.6	7	0	"
2403	3-8	1005 / 1013	MIDDLETON	1.9	0.58	0.38	3.26	0.22		.6	7	0	"
2404	3-15	1108 / 1120	WILSON-CROWELL	1.8	0.66	0.30	3.34	0.20		.6	8	0	FC32
2405	3-22	1210 / 1218	MIDDLETON	1.6	0.37	0.59	3.06	0.22		.6	8	0	FC26
2406	3-29	0926 / 0936	WILSON	1.6	0.34	0.59	3.06	0.20		.5 / .6	9	0	FC32
2407	4-5	1105 / 1113	MIDDLETON	1.6	0.35	0.63	3.08	0.22		.6	8	0	FC26
2408	4-12	0920 / 0930	WILSON	1.8	0.42	0.57	3.08	0.24		.6	9	0	FC32
2409	4-19	1050 / 1058	MIDDLETON	1.7	0.43	0.58	3.11	0.25		.6	8	0	FC26
2410	4-26	0940 / 0950	WILSON	1.6	0.42	0.71	3.10	0.30		.6	9	0	FC32
2411	5-3	0940 / 0950	"	1.8	0.59	0.64	3.11	0.38		.6	7	0	"
2412	5-10	1114 / 1122	DE VORE	1.9	0.40	0.62	3.10	0.25		.5	5	0	"
2413	5-17	1443 / 1453	WILSON	1.9	0.40	0.62	3.10	0.25		.5	5	0	"
2414	5-24	1006 / 1016	DE VORE	1.9	0.41	0.68	3.09	0.28		.5	6	0	"
2415	5-31	0935 / 0945	"	1.8	0.37	0.73	3.08	0.27		.5	6	0	"
2416	6-7	0821 / 0829	"	1.9	0.40	0.70	3.09	0.28		.5	6	0	"
2417	6-14	0854 / 0901	"	1.9	0.43	0.63	3.10	0.27		.5	6	0	"
2418	6-21	0920 / 0935	WILSON	1.8	0.42	0.67	3.10	0.28		.5	8	0	"
2419	6-28	1050 / 1058	MIDDLETON	1.2	0.31	0.81	3.08	0.25		.6	7	0	FC26
2420	7-5	1152 / 1158	"	1.2	0.30	0.63	3.08	0.19		.6	6	0	"
2421	7-12	1015 / 1025	WILSON	1.7	0.35	0.60	3.08	0.21		.5 / .6	8	0	FC32
2422	7-19	0935 / 0945	MIDDLETON	1.4	0.32	0.69	3.08	0.22		.6	7	0	FC26
2423	7-26	1030 / 1040	WILSON	1.8	0.34	0.65	3.06	0.22		.5 / .6	6	0	FC32
2424	8-2	1115 / 1122	MIDDLETON	1.2	0.26	0.85	3.06	0.22		.6	5	0	FC26
2425	8-9	1110 / 1118	"	1.2	0.28	0.86	3.06	0.24		.6	5	0	"
2426	8-16	1338 / 1348	WILSON	1.5	0.38	0.58	3.06	0.22		.6	8	0	FC32
2427	8-23	1005 / 1013	MIDDLETON	1.4	0.33	0.73	3.08	0.24		.6	7	0	FC26
2428	8-30	1322 / 1330	DE VORE	1.6	0.34	0.59	3.07	0.20		.5	7	0	FC32
2429	9-6	0812 / 0820	MIDDLETON	1.4	0.27	0.89	3.08	0.24		.5	7	0	FC26
2430	9-6	0910 / 0928	"	11.1	7.23	1.88	3.64	13.6		.6	14	0	"
2431	9-6	1204 / 1222	"	11.1	7.43	1.83	3.64	13.6		.6	14	0	"
2432	9-6	1315 / 1332	"	10.8	6.28	1.59	3.54	10.0		.6	14	0	"
2433	9-6	1530 / 1543	"	7.5	3.97	1.64	3.44	6.5		.6	12	0	"
2434	9-6	1625 / 1638	"	7.5	3.56	1.32	3.39	4.7		.6	12	0	"
2435	9-11	0734 / 0750	"	7.5	3.54	1.27	3.39	4.5		.6	11	0	"
2436	9-11	0853 / 0910	"	7.9	5.35	1.98	3.58	10.6		.6	13	0	"
2437	9-13	0806 / 0828	"	8.0	5.50	1.91	3.57	10.5		.6	17	0	"
2438	9-13	1024 / 1040	"	5.0	1.22	0.48	3.08	0.59		.6 / .5	11	-.01	"
2439	9-13	1125 / 1147	"	7.9	3.91	1.28	3.35	5.0		.6	17	0	
2440	9-20	0934 / 1000	LANG	7.8	3.56	1.12	3.31	4.0		.6	17	0	FC12
2441	9-24	0955 / 1017	"	7.8	4.24	1.51	3.42	6.4		.6	17	0	"
2442	9-24	1120 / 1142	"	7.8	4.16	1.37	3.38	5.7		.6	17	0	"
2443	9-26	0812 / 0836	"	7.8	4.05	1.31	3.37	5.3		.6	17	0	"
2444	9-26	0946 / 1012	"	7.9	4.96	1.67	3.46	8.3		.6	17	0	"
2445	9-26	1132 / 1156	"	7.9	5.15	1.69	3.47	8.7		.6	17	0	"
2446	9-26	1322 / 1344	"	8.0	5.45	1.80	3.51	9.8		.6	17	.01	"
2447	9-28	1022 / 1044	"	8.0	5.44	1.75	3.51	9.5		.6	17	0	"

F. C. Dist. Form 53 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F209R

Daily discharge, in second-feet of SAN GABRIEL RIVER - WEST FORK below San Gabriel Dam #2 for the year ending September 30, 1950

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.1	0.1	0.2	0.3	0.4	11.0	0.6	10.2	10.0	11.0	9.1	9.1
2	0.1	0.1	0.2	0.3	0.4	11.6	0.6	8.7	11.8	11.0	8.7	9.1
3	0.1	0.1	0.2	0.3	0.4	11.4	0.6	5.8	11.8	11.0	10.0	8.7
4	0.1	0.2	0.2	0.3	0.4	11.4	2.5	7.6	11.8	11.0	10.6	8.7
5	0.1	0.2	0.2	0.3	0.4	11.4	2.6	9.4	11.8	11.0	10.6	8.7
6	0.1	0.2	0.2	0.3	1.1	5.4	2.4	6.8	11.4	11.0	10.2	8.7
7	0.1	0.2	0.2	0.3	0.6	0.6	2.4	5.8	11.0	11.0	10.2	8.7
8	0.1	0.2	0.2	1.0	0.5	0.6	3.3	7.8	11.0	10.6	10.2	8.7
9	0.1	0.3	0.2	0.5	0.5	0.6	2.0	9.1	11.0	10.2	9.8	8.7
10	0.1	1.0	0.2	0.4	0.6	0.6	1.7	8.3	11.0	9.8	11.2	8.7
11	0.1	0.3	0.2	0.4	0.6	0.6	1.5	8.3	11.4	9.8	12.2	8.7
12	0.1	0.2	0.2	0.4	0.6	0.6	1.4	8.3	11.4	9.8	11.8	8.7
13	0.1	0.1	0.2	0.4	0.6	0.7	2.4	7.5	11.4	10.1	11.8	8.7
14	0.1	0.1	0.2	0.4	0.6	0.7	2.4	7.2	11.4	12.2	11.8	8.7
15	0.1	0.1	0.2	0.4	0.6	0.7	2.4	8.0	10.8	12.2	11.6	9.4
16	0.1	0.1	0.2	0.3	0.6	0.7	2.4	9.4	11.0	11.4	11.8	9.4
17	0.1	0.1	0.2	0.3	0.6	0.7	2.4	9.4	11.0	11.4	11.2	9.4
18	0.1	0.1	1.2	0.3	0.6	0.7	2.4	8.7	11.0	11.4	12.7	9.4
19	0.1	0.1	0.6	0.3	0.6	0.7	2.4	8.7	10.6	11.0	12.7	9.1
20	0.1	0.1	0.3	0.3	0.6	0.7	7.0	8.7	10.6	11.0	12.2	7.4
21	0.1	0.1	0.2	0.3	0.6	0.7	9.8	8.3	10.6	11.0	12.2	6.1
22	0.1	0.1	0.2	0.3	8.0	0.7	9.8	7.9	10.6	11.0	12.2	5.8
23	0.1	0.1	0.2	0.3	11.0	0.7	9.4	7.5	10.6	10.6	11.8	5.4
24	0.1	0.1	0.2	0.4	11.0	1.0	9.1	6.8	10.6	10.6	9.4	5.4
25	0.1	0.1	0.2	0.4	11.0	0.9	9.1	7.7	10.6	10.6	7.2	5.0
26	0.1	0.1	0.2	0.4	11.0	0.8	9.1	8.7	10.2	10.6	7.2	5.0
27	0.1	0.1	0.2	0.4	11.0	0.7	9.3	8.7	10.2	10.2	6.8	4.7
28	0.1	0.1	0.3	0.5	11.0	0.7	9.8	8.7	9.8	9.8	6.8	5.6
29	0.1	0.2	0.3	0.6		0.6	9.8	8.7	10.2	9.4	6.1	6.1
30	0.1	0.2	0.3	0.5		0.6	10.2	8.3	11.4	9.1	5.8	5.8
31	0.1		0.3	0.5		0.6		8.3		9.1	7.3	
	3.1	5.1	8.1	12.1	85.9	79.4	140.8	253.3	328.0	329.9	313.4	231.6
MEAN	0.10	0.17	0.26	0.39	3.07	2.56	4.69	8.17	10.9	10.6	10.1	7.72
ACRE-FEET	6.1	10.	16.	24.	170.	157.	279.	502.	651.	654.	622.	459.

Remarks:

YEAR OR PERIOD MEAN 4.90
ACRE-FEET 3550.

76D74M F. C. Dist. 52 9-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. ~~F209R~~ F209-R

Daily discharge, in second-feet of SAN GABRIEL RIVER - WEST FORK below San Gabriel Dam #2 for the year ending September 30, 1951

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5.4	1.3	0.2	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.2	0.2
2	5.0	1.2	0.2	0.2	0.2	0.3	0.2	0.3	0.3	0.2	0.2	0.2
3	4.4	1.1	0.2	0.2	0.2	0.2	0.2	0.4	0.3	0.2	0.3	0.2
4	4.0	1.0	0.2	0.2	0.2	0.2	0.2	0.4	0.3	0.2	0.2	0.2
5	4.3	0.9	0.2	0.2	0.4	0.2	0.2	0.3	0.3	0.2	0.2	0.2
6	4.0	0.7	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	5.0
7	3.8	0.7	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	4.7
8	3.6	0.5	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	4.7
9	2.4	0.5	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	4.4
10	1.4	0.5	0.2	0.3	0.2	0.2	0.2	0.3	0.3	0.2	0.2	4.4
11	1.4	0.5	0.2	0.4	0.2	0.2	0.2	0.3	0.3	0.2	0.2	8.2
12	1.4	0.4	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	10.6
13	1.4	1.2	0.2	0.2	0.2	0.2	0.2	0.4	0.3	0.2	0.2	6.9
14	1.3	0.7	0.2	0.2	0.2	0.2	0.2	0.4	0.3	0.2	0.2	5.0
15	1.1	0.5	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	4.7
16	1.0	0.2	0.2	0.3	0.2	0.2	0.2	0.3	0.3	0.2	0.2	4.7
17	0.8	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	4.7
18	0.8	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	4.4
19	1.1	0.4	0.2	0.4	0.2	0.2	0.2	0.3	0.3	0.2	0.2	4.0
20	1.2	0.3	0.2	0.3	0.2	0.2	0.2	0.3	0.3	0.2	0.2	4.0
21	1.1	0.3	0.2	0.3	0.2	0.2	0.2	0.3	0.3	0.2	0.2	3.8
22	1.1	0.2	0.2	0.2	0.3	0.2	0.2	0.3	0.3	0.2	0.2	3.8
23	1.1	0.2	0.2	0.2	0.3	0.2	0.2	0.3	0.3	0.2	0.2	3.4
24	1.1	0.2	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.2	0.2	4.6
25	1.3	0.2	0.2	0.2	0.3	0.2	0.6	0.3	0.3	0.2	0.2	5.4
26	1.2	0.2	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.2	0.2	7.9
27	0.9	0.2	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.2	0.2	9.8
28	1.3	0.2	0.2	0.2	0.2	0.2	0.6	0.3	0.2	0.2	0.2	9.4
29	1.0	0.2	0.2	0.8		0.2	0.5	0.3	0.2	0.2	0.2	9.4
30	1.0	0.2	0.2	0.4		0.2	0.3	0.3	0.3	0.2	0.2	9.1
31	1.0		0.2	0.2		0.2		0.3		0.2	0.2	
	61.9	15.1	6.2	7.8	6.4	6.4	7.5	9.7	8.8	6.3	6.3	148.0
MEAN	2.00	0.50	0.20	0.25	0.23	0.21	0.25	0.31	0.29	0.20	0.20	4.93
ACRE-FEET	123.	30.	12.	15.	13.	13.	15.	19.	17.	12.	12.	294.

Remarks:

YEAR OR PERIOD MEAN 0.80
ACRE-FEET 575.

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, 2 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 P3B-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, 1949 TO SEPTEMBER 30, 1951.

REGULATION: FLOW PARTIALLY REGULATED BY SAN GABRIEL DAM NO. 2.

DIVERSIONS: NONE.

RECORDS AVAILABLE: DECEMBER 3, 1930 TO SEPTEMBER 30, 1951. FOR RECORDS PRIOR TO DECEMBER 3, 1930 AT THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT OFFICE FILED WITH STATION P1-R, SAN GABRIEL RIVER-WEST FORK 0.5 MILE ABOVE FORKS; RECORDS FROM JULY 12, 1938 TO SEPTEMBER 27, 1938 ARE FROM STATION P3B-R, SAN GABRIEL RIVER-WEST FORK, 400 FEET BELOW NORTH FORK.

EXTREMES OF DISCHARGE:

1949-50
MAXIMUM 280 SECOND-FEET, DECEMBER 18.
MINIMUM 2.2 SECOND-FEET, VARIOUS TIMES IN OCTOBER.

1950-51
MAXIMUM 28 SECOND-FEET, APRIL 29.
MINIMUM 0.6 SECOND-FOOT, AUGUST 26.

1930-51 (STATIONS P1-R, P3-R, P3B-R)
MAXIMUM 34,000 SECOND-FEET, ESTIMATED, MARCH 2, 1938.
MINIMUM 0.3 SECOND-FOOT, OCTOBER 17, 1931.

ACCURACY: GOOD.

OPERATION: MOVED FROM A PREVIOUS LOCATION BY THE DISTRICT FOR THE PASADENA WATER DEPARTMENT. THIS STATION WAS LATER TAKEN OVER, RECONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT IN COOPERATION WITH THE UNITED STATES GEOLOGICAL SURVEY, WATER RESOURCES BRANCH.

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER - WEST FORK

~~AT~~ NEAR above Forks DURING THE YEAR ENDING SEPTEMBER 30, 1950

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
2207	10-6	1040 / 1058	MIDDLETON	7.5	4.47	0.54	6.77	2.4		.6	12	0	FC29
2208	10-13	0910 / 0927	"	7.0	4.81	0.44	6.77	2.1		.6	12	0	"
2209	10-20	0948 / 1005	"	7.3	5.14	0.56	6.81	2.9		.6	12	0	"
2210	10-27	1142 / 1158	"	7.2	5.03	0.60	6.81	3.0		.6	11	0	"
2211	11-3	1042 / 1054	"	5.5	3.02	0.89	6.81	2.7		.6	9	0	"
2212	11-10	1305 / 1323	MIDDLETON - SPANGLER	37.0	45.0	2.24	8.01	101.		.6	14	-.01	"
2213	11-10	1637 / 1656	"	34.0	37.6	1.95	7.83	73.2		.6	13	-.02	"
2214	11-11	1003 / 1021	MIDDLETON	24.5	22.0	1.06	7.31	23.4		.6	11	0	"
2215	11-14	1332 / 1348	"	9.2	6.79	1.25	6.97	8.5		.6	10	0	"
2216	11-17	1305 / 1315	"	9.2	6.36	1.07	6.93	6.8		.6	9	0	"
2217	11-21	1153 / 1208	"	7.7	5.70	1.00	6.92	5.7		.6	11	0	"
2218	11-25	1300 / 1310	"	8.0	5.76	1.01	6.91	5.8		.6	8	0	"
2219	11-28	1120 / 1133	"	8.2	5.93	1.05	6.92	6.2		.6	9	0	"
2220	12-1	1350 / 1403	"	8.1	5.85	0.97	6.92	5.7		.6	8	0	"
2221	12-8	1150 / 1200	"	8.5	6.85	1.47	7.04	10.1		.6	9	0	"
2222	12-12	1000 / 1020	SPENCER - MIDDLETON	8.5	6.15	1.15	6.99	7.1		.6	10	0	"
2223	12-15	1133 / 1148	MIDDLETON	8.6	6.52	1.15	6.99	7.5		.6	10	0	"
2224	12-18	0947 / 1003	MIDDLETON - TREAT	24.5	21.4	0.93	7.30	20.0		.6	12	+.02	"
2225	12-18	1120 / 1135	"	25.4	24.8	1.14	7.43	28.3		.6	13	+.02	"
2226	12-18	1502 / 1515	MIDDLETON - SPANGLER	34.5	38.6	3.08	7.82	74.2		.6	12	+.02	"
2227	12-18	1650 / 1912	"	58.0	72.8	2.31	8.43	168.		.6	15	+.02	"
2228	12-18	2240 / 2302	"	68.0	95.9	2.75	8.72	264.		.6	16	-.02	"
2229	12-19	1410 / 1431	"	50.0	51.4	2.04	8.04	105.		.6	15	0	"
2230	12-20	1532 / 1553	MIDDLETON	34.5	41.8	0.94	7.58	39.2		.6	12	0	"
2231	12-22	1256 / 1320	"	30.5	23.5	1.08	7.33	25.4		.6	15	0	"
2232	12-29	1320 / 1335	"	9.5	8.85	1.71	7.12	15.1		.6	10	0	"
2233	1-5	1350 / 1407	"	8.8	8.28	1.57	7.07	13.0		.6	10	0	"
2234	1-8	1755 / 1817	MIDDLETON - SPANGLER	27.3	42.4	0.80	7.41	34.1		.6	14	+.06	"
2235	1-8	2103 / 2128	"	48.0	51.7	1.85	7.98	95.5		.6	16	+.04	"
2236	1-9	1402 / 1426	MIDDLETON	34.0	28.6	1.20	7.46	34.4		.6	15	0	"
2237	1-11	1130 / 1148	"	32.5	23.7	0.93	7.28	22.0		.6	13	0	"
2238	1-11	1521 / 1543	"	35.5	27.5	1.14	7.42	31.3		.6	13	+.02	"
2239	1-12	1118 / 1137	"	34.0	26.1	1.13	7.40	29.4		.6	13	0	"
2240	1-16	1308 / 1326	"	10.0	9.38	2.14	7.22	20.0		.6	11	0	"
2241	1-19	1432 / 1450	"	10.0	9.74	2.36	7.27	23.0		.6	12	0	"
2242	1-23	1304 / 1322	"	10.0	9.71	2.26	7.25	21.9		.6	13	0	"
2243	1-26	1430 / 1447	"	10.0	9.32	2.08	7.20	19.4		.6	11	0	"
2244	1-29	1043 / 1100	MIDDLETON - AUSTIN	10.0	9.96	2.42	7.30	24.1		.6	12	0	FC26
2245	1-30	1422 / 1440	MIDDLETON	10.0	9.48	2.14	7.23	20.3		.6	13	0	"
2246	2-2	1110 / 1127	"	10.0	9.16	1.88	7.18	17.2		.6	12	0	"
2247	2-6	0650 / 0708	"	48.0	46.6	1.77	7.89	82.6		.6	15	+.06	"
2248	2-6	0737 / 0759	"	63.0	64.2	2.07	8.17	133.		.6	16	+.08	"
2249	2-6	1038 / 1057	"	66.0	74.5	2.19	8.37	163.		.6	15	-.02	"
2250	2-6	1355 / 1416	"	64.0	67.2	2.19	8.25	147.		.6	16	-.02	"
2251	2-6	1632 / 1653	"	63.5	63.4	2.18	8.20	138.		.6	16	0	"
2252	2-7	1315 / 1337	"	45.5	41.4	1.81	7.85	75.0		.6	17	0	"
2253	2-9	1127 / 1148	"	40.0	32.3	1.42	7.60	45.8		.6	17	0	"
2254	2-10	1108 / 1128	MIDDLETON - AUSTIN	40.0	32.5	1.44	7.61	46.8		.6	17	+.01	"
2255	2-10	1408 / 1427	"	41.0	34.1	1.48	7.64	50.3		.6	18	+.01	"
2256	2-14	1450 / 1512	MIDDLETON	28.3	24.8	1.31	7.45	32.4		.6	15	0	"
2257	2-16	1515 / 1536	"	28.2	23.4	1.22	7.39	28.6		.6	15	0	"
2258	2-20	1132 / 1158	"	27.6	20.4	1.09	7.31	22.3		.6	14	0	"
2259	2-23	1052 / 1112	"	27.7	23.5	1.25	7.43	29.4		.6	14	0	"
2260	2-27	0920 / 0942	"	28.0	22.8	1.20	7.39	27.4		.6	14	0	"
2261	3-2	1325 / 1346	"	28.5	24.0	1.19	7.40	28.5		.6	14	-.01	"
2262	3-6	1000 / 1022	"	26.8	22.3	1.20	7.37	26.7		.6	14	0	"
2263	3-9	1500 / 1517	"	10.0	8.93	1.70	7.14	15.2		.6	11	0	"
2264	3-13	1330 / 1346	"	10.8	9.07	1.62	7.14	14.7		.6	11	0	"
2265	3-16	1140 / 1158	"	10.6	8.97	1.61	7.12	14.4		.6	11	0	"
2266	3-20	0920 / 0938	"	10.2	8.58	1.50	7.10	12.9		.6	11	0	"
2267	3-23	1457 / 1512	"	10.0	8.42	1.47	7.08	12.4		.6	11	0	"
2268	3-24	2103 / 2120	MIDDLETON - TREAT	27.5	24.2	1.20	7.42	29.1		.6	14	+.01	"
2269	3-25	0035 / 0055	"	35.0	28.2	1.38	7.53	39.0		.6	15	+.01	"
2270	3-27	1450 / 1502	MIDDLETON	10.5	9.14	1.77	7.17	16.2		.6	11	0	"
2271	3-30	1323 / 1340	"	10.2	8.74	1.53	7.12	13.4		.6	11	0	"
2272	4-3	1000 / 1013	"	10.0	8.54	1.49	7.09	12.7		.6	11	0	"
2273	4-6	1327 / 1343	"	10.3	8.70	1.54	7.11	13.4		.6	11	0	"
2274	4-8	1745 / 1803	MIDDLETON - AUSTIN	48.0	46.6	1.57	7.85	73.0		.6	13	+.01	"
2275	4-8	2048 / 2105	"	55.5	54.6	2.14	8.09	117.		.6	15	-.02	"
2276	4-10	1303 / 1325	MIDDLETON	28.5	22.7	1.21	7.38	27.4		.6	14	0	"
2277	4-14	1136 / 1157	"	28.0	20.8	1.01	7.30	21.1		.6	14	0	"
2278	4-17	0943 / 1002	"	27.2	18.5	0.97	7.23	17.9		.6	13	0	"
2279	4-18	1442 / 1500	"	27.0	17.1	0.94	7.19	16.0		.6	13	0	"
2280	4-20	1428 / 1447	"	26.5	16.7	0.88	7.16	14.7		.6	13	0	"
2281	4-21	0903 / 0922	"	28.0	21.2	1.10	7.33	23.3		.6	14	0	"
2282	4-24	1138 / 1157	"	27.8	21.0	1.12	7.33	23.6		.6	13	0	"
2283	4-27	1417 / 1438	"	28.0	20.7	1.10	7.30	22.7		.6	14	0	"
2284	5-1	0930 / 0952	"	26.7	20.4	1.11	7.31	22.6		.6	14	0	"
2285	5-4	1437 / 1456	"	26.2	17.8	0.93	7.20	16.5		.6	14	0	"
2286	5-8	1448 / 1507	"	26.2	16.9	0.89	7.17	15.1		.6	13	0	"
2287	5-11	1528 / 1545	"	10.0	9.39	1.81	7.18	17.0		.6	12	0	"
2288	5-15	1350 / 1407	"	10.0	9.55	1.77	7.18	16.9		.6	11	0	"
2289	5-18	1538 / 1556	"	9.8	9.72	1.96	7.22	19.1		.6	12	0	"
2290	5-22	0850 / 0906	"	9.8	9.49	1.78	7.18	16.9		.6	12	0	"
2291	5-25	1434 / 1450	"	9.8	9.36	1.70	7.15	15.9		.6	12	0	"
2292	5-29	1608 / 1626	"	9.7	9.24	1.60	7.14	14.8		.6	12	0	"
2293	6-2	1250 / 1312	"	9.5	9.70	2.03	7.24	19.7		.6	12	0	"
2294	6-5	1550 / 1607	"	9.5	9.30	1.77	7.18	16.5		.6	13	0	"
2295	6-8	1122 / 1143	"	9.4	9.65	1.99	7.23	19.2		.6	14	0	"
2296	6-12	1148 / 1204	LANG	9.4	9.21	1.88	7.21	17.3		.6	10	0	FC12
2297	6-15	1308 / 1325	"	9.4	9.16	1.92	7.20	17.6		.6	11	0	"
2298	6-19	1228 / 1244	"	9.4	9.08	1.72	7.17	15.6		.6	10	0	"

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER - WEST FORK

at or near above Forks DURING THE YEAR ENDING SEPTEMBER 30, 1951

NO.	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.
2299	6-22	1251 / 1306	"	9.3	8.85	1.72	7.16	15.2		.6	11	0	"
2300	6-26	1115 / 1133	MIDDLETON	9.7	9.20	1.79	7.16	16.5		.6	13	0	FC29
2301	6-29	1402 / 1420	"	9.8	8.81	1.58	7.11	13.9		.6	11	0	"
2302	7-3	1040 / 1058	"	9.8	9.13	1.72	7.14	15.7		.6	12	0	"
2303	7-6	1215 / 1236	"	10.0	8.97	1.59	7.12	14.3		.6	13	0	FC26
2304	7-10	0930 / 0947	"	9.8	8.92	1.58	7.12	14.1		.6	12	0	"
2305	7-13	1312 / 1325	"	9.8	8.75	1.47	7.10	12.9		.6	14	0	"
2306	7-17	1320 / 1338	"	9.8	9.25	1.49	7.13	13.8		.6	16	0	"
2307	7-20	1315 / 1337	"	9.8	9.19	1.44	7.12	13.2		.6	18	0	"
2308	7-24	1155 / 1209	LANG	9.7	8.97	1.35	7.12	12.1		.6	10	0	FC12
2309	7-27	1253 / 1308	"	9.8	9.04	1.28	7.11	11.6		.6	10	0	"
2310	7-31	1238 / 1300	MIDDLETON	10.0	9.03	1.26	7.10	11.4		.6	15	0	FC26
2311	8-3	1503 / 1528	"	9.8	8.94	1.23	7.09	11.0		.6	16	0	"
2312	8-7	1333 / 1355	"	9.8	8.94	1.30	7.10	11.6		.6	17	0	"
2313	8-10	1330 / 1352	"	9.7	8.67	1.23	7.07	10.7		.6	17	0	"
2314	8-14	1308 / 1333	"	10.0	9.34	1.49	7.15	13.9		.6	18	0	"
2315	8-17	1408 / 1428	"	10.0	9.41	1.38	7.14	13.0		.6	18	0	"
2316	8-21	1336 / 1400	"	10.0	9.44	1.42	7.15	13.4		.6	18	0	"
2317	8-24	1352 / 1414	"	10.0	9.31	1.40	7.15	13.0		.6	18	0	"
2318	8-28	0930 / 0952	"	9.6	8.27	1.04	7.04	8.6		.6	18	0	"
2319	9-1	1035 / 1058	"	9.7	8.67	1.20	7.09	10.4		.6	18	0	"
2320	9-5	1024 / 1047	"	10.0	8.83	1.20	7.09	10.6		.6	18	0	"
2321	9-7	1345 / 1405	MIDDLETON - LINDSAY	9.8	8.85	1.20	7.09	10.6		.6	18	0	"
2322	9-11	1038 / 1100	MIDDLETON	10.0	8.88	1.19	7.08	10.6		.6	17	0	"
2323	9-14	1355 / 1418	"	9.6	8.10	1.25	7.03	10.1		.6	16	0	"
2324	9-18	0935 / 0957	"	9.7	8.55	1.42	7.08	12.1		.6	18	0	"
2325	9-21	1014 / 1035	"	9.3	6.81	1.22	6.98	8.3		.6	15	0	"
2326	9-25	1020 / 1044	"	9.2	6.55	1.16	6.95	7.6		.6	17	0	"
2327	9-28	1507 / 1528	"	9.1	5.99	1.04	6.91	6.2		.6	15	-.01	"
2328	10-2	1010 / 1033	MIDDLETON	7.9	6.06	1.24	6.95	7.5		.6	17	0	FC26
2329	10-5	1209 / 1224	"	7.6	5.46	1.08	6.91	5.9		.6	16	0	"
2330	10-9	1508 / 1525	"	5.8	3.87	1.34	6.88	5.2		.6	12	0	"
2331	10-13	1347 / 1404	"	5.8	3.42	0.76	6.79	2.6		.6	12	0	"
2332	10-16	1112 / 1128	"	5.8	3.50	0.77	6.80	2.7		.6	12	0	"
2333	10-19	1145 / 1158	"	4.5	2.57	1.17	6.81	3.0		.6	11	0	"
2334	10-23	1134 / 1150	"	4.9	2.66	1.13	6.80	3.0		.6	11	0	"
2335	10-26	0943 / 1000	"	5.2	2.77	1.23	6.82	3.4		.6	11	0	"
2336	10-27	1432 / 1448	"	5.2	2.99	1.30	6.84	3.9		.6	11	0	"
2337	10-30	0924 / 0940	"	4.2	2.64	1.21	6.81	3.2		.6	10	0	"
2338	11-2	1352 / 1408	"	4.6	2.65	1.02	6.79	2.7		.6	10	0	"
2339	11-6	1132 / 1148	"	5.0	3.01	0.96	6.80	2.9		.6	11	0	"
2340	11-9	1332 / 1348	"	5.1	3.01	0.93	6.80	2.8		.6	11	0	"
2341	11-13	1425 / 1441	"	5.4	3.48	1.30	6.86	4.5		.6	12	+.02	"
2342	11-14	1052 / 1110	"	6.0	4.36	1.47	6.92	6.4		.6	13	0	"
2343	11-16	0922 / 0940	"	6.0	4.07	1.10	6.86	4.5		.6	14	0	"
2344	11-20	1117 / 1135	"	6.2	4.32	1.20	6.88	5.2		.6	13	0	"
2345	11-24	1430 / 1448	"	6.0	4.02	1.00	6.85	4.0		.6	13	0	"
2346	11-27	1515 / 1533	"	6.2	4.12	1.00	6.85	4.1		.6	13	0	"
2347	11-30	1338 / 1357	"	6.3	4.21	0.97	6.85	4.1		.6	13	0	"
2348	12-4	1106 / 1124	"	6.2	4.19	1.10	6.86	4.6		.6	13	0	"
2349	12-7	1406 / 1424	"	6.4	4.30	1.07	6.86	4.6		.6	13	0	"
2350	12-11	0950 / 1008	"	6.3	4.24	1.08	6.86	4.6		.6	13	0	"
2351	12-14	1408 / 1420	"	6.4	4.35	1.08	6.87	4.7		.6	13	0	"
2352	12-18	1512 / 1530	"	6.4	4.44	1.10	6.88	4.9		.6	13	0	"
2353	12-21	1512 / 1530	"	6.4	4.42	1.13	6.89	5.0		.6	13	0	"
2354	12-26	1452 / 1508	"	6.4	4.49	1.11	6.89	5.0		.6	13	0	"
2355	12-28	0942 / 0958	"	6.4	4.54	1.12	6.89	5.1		.6	13	0	"
2356	1-2	1214 / 1230	"	6.4	4.54	1.08	6.88	4.9		.6	13	0	"
2357	1-4	1403 / 1420	"	6.6	4.61	1.13	6.88	5.2		.6	13	0	"
2358	1-8	1138 / 1155	"	5.6	3.89	1.26	6.89	4.9		.6	12	0	"
2359	1-11	1441 / 1503	THOMAS - MIDDLETON	6.2	4.51	1.60	6.96	7.2		.6	14	+.02	"
2360	1-12	1040 / 1100	MIDDLETON	6.6	5.20	1.77	7.02	9.2		.6	14	0	"
2361	1-15	1543 / 1604	"	6.3	4.40	1.32	6.92	5.8		.6	14	0	"
2362	1-18	1453 / 1512	"	6.2	4.39	1.32	6.92	5.8		.6	14	0	"
2363	1-19	1058 / 1117	"	6.5	4.74	1.48	6.96	7.0		.6	14	0	"
2364	1-22	0920 / 0938	"	6.0	4.29	1.38	6.93	5.9		.6	13	0	"
2365	1-25	1316 / 1335	"	6.0	4.21	1.35	6.92	5.7		.6	13	0	"
2366	1-29	1052 / 1109	"	6.6	5.11	1.80	7.02	9.2		.6	14	+.03	"
2367	1-29	1404 / 1424	"	8.2	6.72	2.46	7.19	16.5		.6	17	0	"
2368	1-30	1052 / 1117	"	8.0	6.15	2.11	7.10	13.0		.6	17	0	"
2369	2-1	1348 / 1413	SPENCER - MIDDLETON	7.5	5.13	1.73	6.99	8.9		.6	15	0	"
2370	2-5	0948 / 1010	MIDDLETON	7.7	5.00	1.50	6.95	7.5		.6	15	0	"
2371	2-8	1536 / 1558	"	7.6	4.91	1.41	6.93	6.9		.6	15	0	"
2372	2-13	1449 / 1510	"	7.6	4.83	1.35	6.92	6.5		.6	15	0	"
2373	2-15	1238 / 1300	"	7.6	4.83	1.35	6.92	6.5		.6	15	0	"
2374	2-19	1533 / 1555	"	7.5	4.79	1.27	6.91	6.1		.6	15	0	"
2375	2-21	1305 / 1327	"	7.5	4.77	1.28	6.91	6.1		.6	15	0	"
2376	2-26	1254 / 1315	"	7.6	4.96	1.41	6.93	7.0		.6	15	0	"
2377	2-27	0945 / 1006	"	8.0	5.77	1.82	7.02	10.5		.6	15	0	"
2378	3-1	1420 / 1435	MIDDLETON - LINDSAY	8.4	6.37	2.23	7.12	14.2		.6	10	0	"
2379	3-2	1240 / 1300	MIDDLETON	8.3	6.22	2.07	7.08	12.9		.6	13	0	"
2380	3-5	1150 / 1208	"	8.6	5.71	1.72	7.00	9.8		.6	13	0	"
2381	3-8	1335 / 1400	"	8.5	5.79	1.78	7.02	10.3		.6	15	0	"
2382	3-12	1010 / 1032	"	7.6	5.49	1.66	6.99	9.1		.6	16	0	"
2383	3-15	1402 / 1425	"	7.6	5.43	1.58	6.97	8.6		.6	16	0	"
2384	3-19	1052 / 1113	"	7.3	5.42	1.53	6.96	8.3		.6	16	0	"
2385	3-22	1357 / 1420	"	7.4	5.25	1.45	6.92	7.6		.6	16	0	"
2386	3-26	1223 / 1245	"	7.4	5.00	1.36	6.90	6.8		.6	16	0	"
2387	3-29	1035 / 1058	"	7.4	4.99	1.32	6.90	6.6		.6	16	0	"
2388	4-2	1100 / 1118	"	6.5	4.67	1.39	6.89	6.5		.6	14	0	"
2389	4-5	1328 / 1348	"	6.7	4.98	1.55	6.93	7.7		.6	14	0	"
2390	4-9	1007 / 1028	"	6.6	4.65	1.38	6.89	6.4		.6	14	0	"
2391	4-12	1102 / 1120	"	6.6	4.41	1.27	6.86	5.6		.6	14	0	"
2392	4-16	1112 / 1130	"	6.6	4.43	1.24	6.86	5.5		.6	14	0	"
2393	4-19	1412 / 1430	"	6.8	4.43	1.22	6.86	5.4		.6	14	0	"
2394	4-23	1432 / 1450	"	6.7	4.30	1.19	6.84	5.1		.6	14	0	"
2395	4-25	1818 / 1838	"	7.4	5.87	2.04	7.05	12.0		.6	16	0	"
2396	4-26	1432 / 1453	"	7.6	5.26	1.63	6.95	8.6		.6	16	0	"
2397	4-28	2150 / 2206	"	8.2	7.43	2.80	7.27	20.8		.6	11	+.01	"
2398	4-29	1420 / 1438	MIDDLETON - TREAT	8.6	7.13	2.55	7.19	18.2		.6	13	0	"
2399	4-30	0947 / 1008	MIDDLETON	8.1	6.53	2.10	7.10	13.7		.6	17	0	"
2400	5-3	1002 / 1022	"	7.2	5.62	1.64	6.98	9.2		.6	15	0	"
2401	5-7	1123 / 1142	"	7.8	5.50	1.47	6.95	8.1		.6	15	0	"
2402	5-10	1027 / 1050	"	7.5	5.12	1.37	6.91	7.0		.6	16	0	"
2403	5-14	1106 / 1128	"	7.5	5.62	1.44	6.95	8.1		.6	16	0	"
2404	5-17	1056 / 1115	"	7.6	5.17	1.26	6.89	6.5		.6	15	0	"
2405	5-21	1105 / 1128	"	7.6	4.97	1.15	6.87	5.7		.6	16	0	"
2406	5-24	0930 / 0947	KASIMOFF	8.0	4.98	1.06	6.85	5.3		.6	12	0	FC47
2407	5-28	1058 / 1118	MIDDLETON	7.5	4.39	0.91	6.79	4.0		.6	15	0	FC26
2408	5-31	0933 / 0950	MIDDLETON - SCHOR	7.4	4.29	0.86	6.79	3.7		.6	12	0	"
2409	6-4	1010 / 1028	MIDDLETON	5.4	3.55	0.96	6.77	3.4		.6	12	0	"
2410	6-7	1048 / 1104	"	5.6	3.74	1.07	6.80	4.0		.6	12	0	"
2411	6-11	1000 / 1014	"	5.7	3.69	0.95	6.78	3.5		.6	12	0	"
2412	6-14	1327 / 1343	"	4.8	2.87	0.94	6.75	2.7		.6	10	0	"
2413	6-18	1115 / 1127	"	3.9	2.34	1.32	6.76	3.1		.6	9	0	"
2414	6-21	0913 / 0923	"	3.9	2.18	1.24	6.75	2.7		.6	9	0	"
2415	6-25	1010 / 1020	"	3.8	2.01	1.34	6.75	2.7		.6	9	0	"
2416	6-28	1340 / 1348	"	3.1	1.44	1.39	6.70	2.0		.6	7	0	"
2417	7-2	1124 / 1134	"	3.1	1.34	1.34	6.69	1.8		.6	8	0	"
2418	7-5	1422 / 1431	"	2.7	1.01	1.39	6.67	1.4		.6	7	0	"
2419	7-9	1156 / 1208	"	2.5	0.77	1.69	6.67	1.3		.6	7	0	"

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
2420	7-12	1555 / 1604	"	2.7	0.87	1.38	6.65	1.2		.6	8	0	"
2421	7-16	1220 / 1233	"	2.8	0.91	1.32	6.66	1.2		.6	9	0	"
2422	7-19	1351 / 1405	"	2.8	0.87	1.26	6.66	1.1		.6	9	0	"
2423	7-23	1526 / 1534	"	2.4	0.69	1.38	6.66	0.95		.6	7	0	"
2424	7-26	1547 / 1557	"	2.6	0.77	1.22	6.66	0.94		.6	8	0	"
2425	7-30	1210 / 1220	"	2.2	0.70	1.43	6.67	1.0		.6	7	0	"
2426	8-2	1337 / 1347	"	2.6	0.80	1.15	6.66	0.92		.6	7	0	"
2427	8-6	1325 / 1335	"	2.5	0.74	1.08	6.65	0.80		.6	8	0	"
2428	8-9	1442 / 1453	"	2.4	0.63	1.22	6.66	0.77		.6	7	0	"
2429	8-13	1050 / 1058	"	2.5	0.70	1.37	6.67	0.96		.6	7	0	"
2430	8-16	1513 / 1523	"	2.4	0.58	1.21	6.65	0.70		.6	7	0	"
2431	8-20	1425 / 1440	"	2.4	0.80	1.00	6.65	0.80		.6	9	0	"
2432	8-23	1344 / 1353	"	2.0	0.62	1.31	6.65	0.81		.6	7	0	"
2433	8-27	1535 / 1545	"	2.1	0.56	1.20	6.64	0.67		.6	8	0	"
2434	8-30	1039 / 1050	LANG - MIDDLETON	2.5	0.72	1.40	6.66	1.0		.6	9	0	"
2435	9-4	1113 / 1127	MIDDLETON	2.7	0.88	1.25	6.67	1.1		.6	9	0	"
2436	9-7	1455 / 1505	"	2.6	0.89	0.98	6.65	0.81		.6	8	0	"
2437	9-10	1108 / 1119	"	4.5	2.41	1.58	6.79	3.8		.6	12	0	"
2438	9-11	0956 / 1017	LANG	3.7	1.82	2.58	6.82	4.7		.6	12	0	FC12
2439	9-12	1345 / 1408	MIDDLETON	6.5	4.96	1.90	6.99	9.4		.6	16	0	FC26
2440	9-13	1417 / 1440	"	7.3	5.21	1.88	6.99	9.8		.6	16	0	"
2441	9-14	0940 / 0958	"	6.7	3.71	1.46	6.85	5.4		.6	14	0	"
2442	9-17	1127 / 1153	LANG	6.8	4.30	1.19	6.85	5.1		.6	15	0	FC12
2443	9-19	1345 / 1403	"	6.6	3.87	1.06	6.83	4.1		.6	14	0	"
2444	9-20	1232 / 1300	"	6.7	3.97	1.06	6.83	4.2		.6	14	0	"
2445	9-24	1339 / 1357	"	6.5	3.70	1.05	6.82	3.9		.6	13	0	"
2446	9-27	1045 / 1108	"	7.4	6.11	1.46	7.00	8.9		.6	15	0	"
2447	9-28	1208 / 1232	"	7.6	6.22	1.48	7.00	9.2		.6	16	0	"

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F3-R

Daily discharge, in second-feet of SAN GABRIEL RIVER - WEST FORK above Forks, for the year ending September 30, 1950

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.3	2.8	6.0	14	19	26	12	23	15	14	10	9.7
2	2.3	2.8	5.8	14	17	26	12	22	19	14	9.7	9.2
3	2.3	2.9	5.8	14	17	26	12	19	19	14	9.6	9.2
4	2.3	2.9	5.6	14	16	26	12	18	19	14	12	8.9
5	2.3	2.9	6.0	14	16	26	13	22	18	14	12	9.2
6	2.3	2.9	6.3	13	111	24	14	19	19	14	11	10
7	2.4	3.0	6.3	13	79	17	14	17	19	14	11	9.7
8	2.4	3.0	9.5	32	56	16	44	17	18	14	11	9.2
9	2.4	3.7	9.7	42	45	15	41	19	17	14	11	9.2
10	2.4	55	7.9	22	45	15	26	18	17	13	12	9.7
11	2.3	23	7.3	30	44	15	22	17	17	13	15	9.7
12	2.2	12	7.3	32	36	15	20	17	17	13	14	9.7
13	2.2	8.9	7.3	24	33	15	19	17	17	12	14	9.2
14	2.2	8.6	7.3	23	30	15	20	17	17	14	14	9.6
15	2.2	9.2	7.3	22	29	14	19	16	16	14	14	12
16	2.2	7.3	7.3	21	28	14	17	19	17	14	13	12
17	2.4	7.0	7.3	20	27	13	17	19	17	14	12	12
18	2.6	6.3	8.4	22	26	13	16	19	16	14	13	12
19	2.8	6.0	122	23	24	13	15	18	15	13	14	11
20	2.9	6.0	46	23	23	13	17	17	15	13	14	10
21	2.9	6.0	28	23	22	12	22	16	15	13	14	7.6
22	2.9	6.0	26	22	24	12	23	15	15	12	14	7.0
23	2.9	5.8	22	22	29	12	24	15	15	12	14	7.0
24	2.9	5.8	19	22	28	17	23	15	15	11	13	7.3
25	2.9	5.8	17	21	27	27	23	16	15	11	8.6	7.0
26	2.9	5.8	16	20	26	17	23	17	15	11	8.2	7.0
27	2.9	6.0	16	19	27	16	23	16	15	11	7.9	6.6
28	2.9	6.0	15	20	26	15	24	15	15	11	7.9	6.6
29	2.8	6.0	15	24		14	23	15	14	11	7.6	7.9
30	2.8	6.0	15	20		13	21	14	15	11	6.6	7.9
31	2.8		14	19		13		15		11	7.0	
	79.0	234.4	575.2	664	930	525	611	539	493	398	355.1	273.1
MEAN	2.55	7.81	18.6	21.4	33.2	16.9	20.4	17.4	16.4	12.8	11.5	9.10
ACRE-FEET	157.	465.	1140.	1320.	1840.	1040.	1210.	1070.	978.	789.	704.	542.

Remarks:

YEAR OR PERIOD MEAN 15.6
ACRE-FEET 11260.

FORM F. C. DIST. 52 9-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

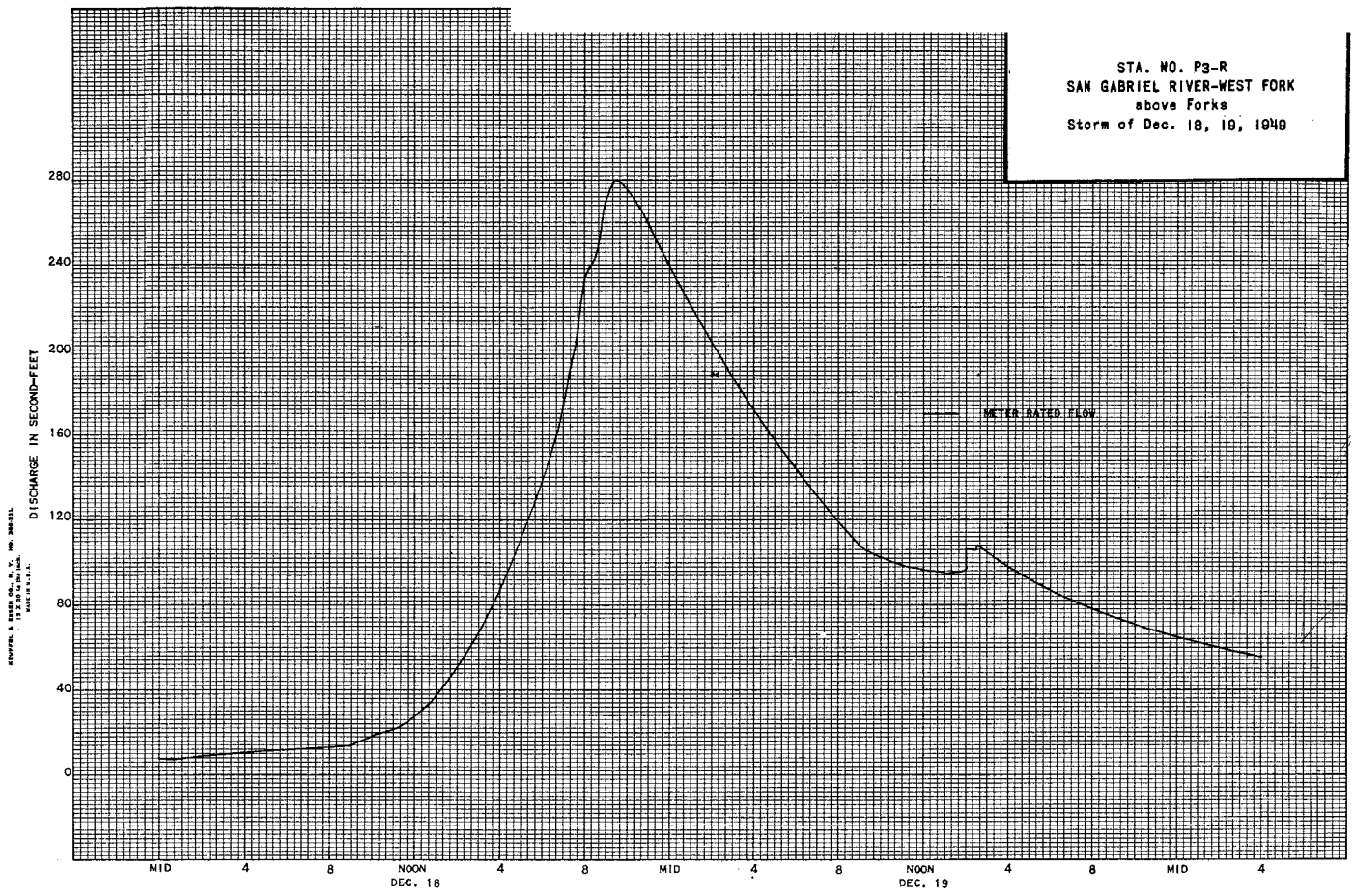
Sta. No. F3-R

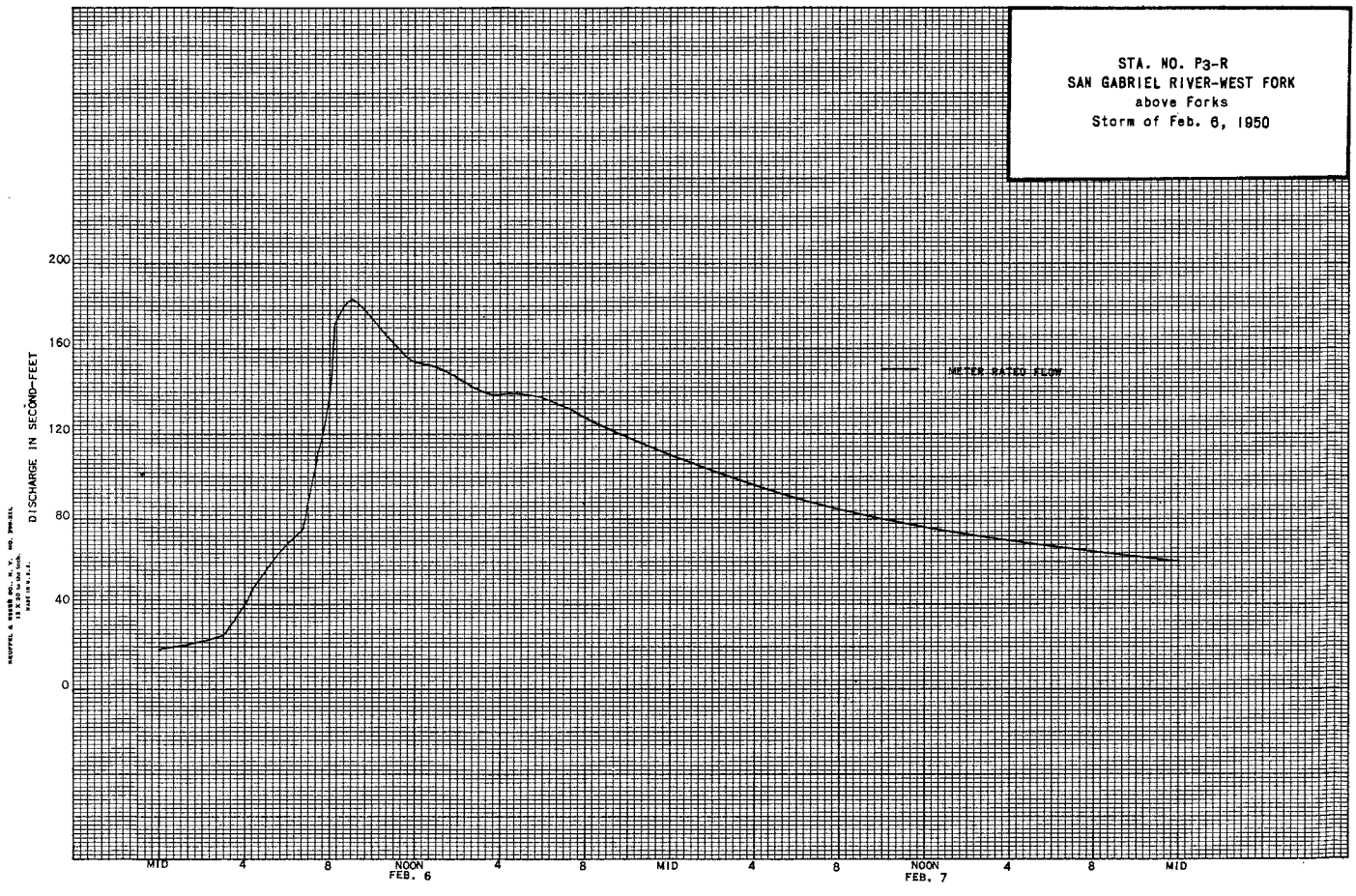
Daily discharge, in second-feet of SAN GABRIEL RIVER - WEST FORK above Forks, for the year ending September 30, 1951

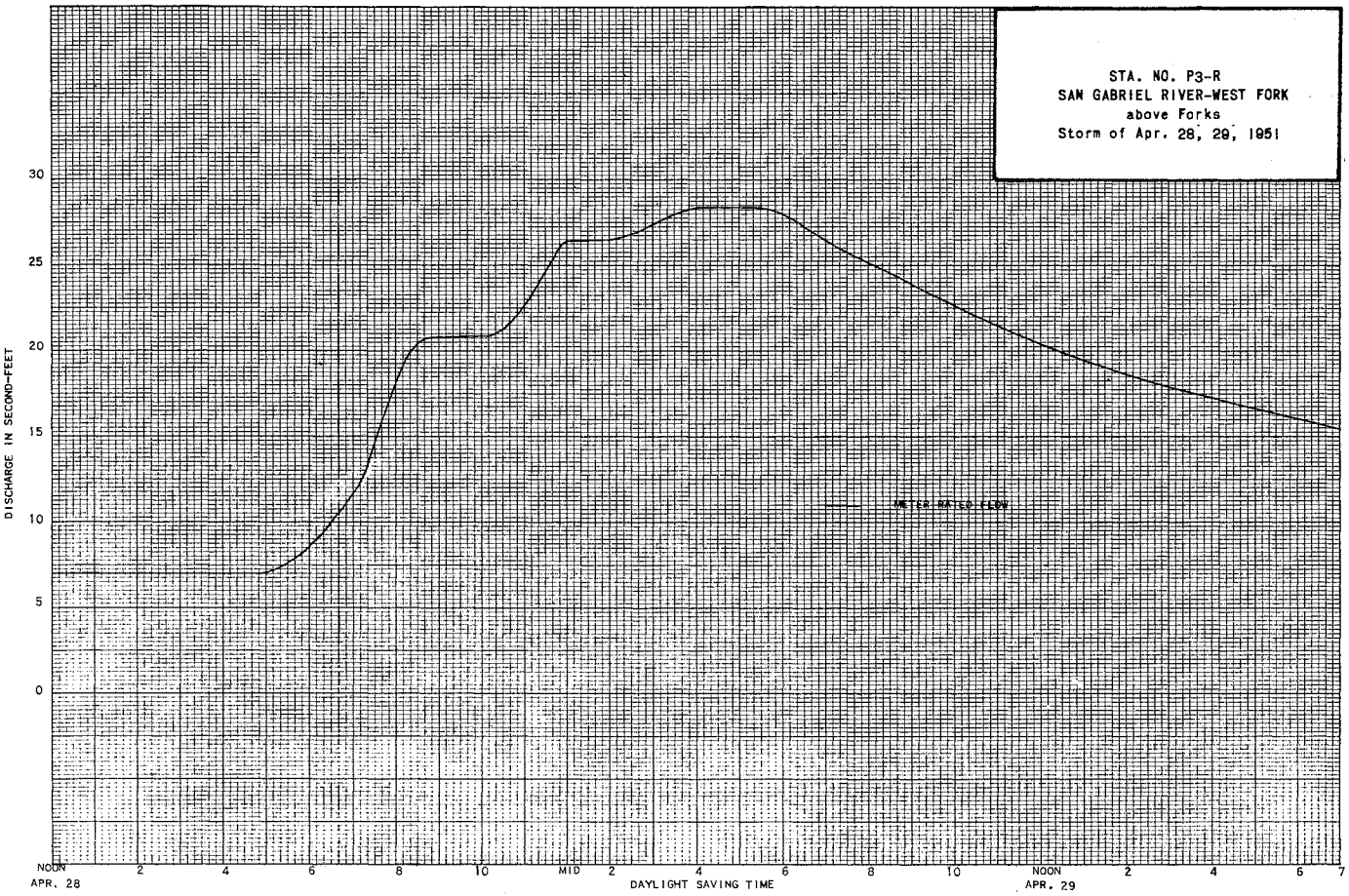
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	7.6	3.2	4.0	5.0	8.9	13	6.6	11	3.4	1.6	0.9	1.0
2	7.3	2.9	4.0	5.0	8.6	14	6.3	10	3.2	1.7	0.9	1.0
3	6.6	2.8	4.5	5.0	8.2	11	6.3	8.9	3.0	1.6	0.9	1.0
4	6.0	2.8	4.5	5.0	7.9	11	6.6	7.9	3.2	1.6	0.8	1.0
5	6.0	2.8	4.5	5.2	7.6	9.7	7.6	7.6	3.4	1.4	0.8	1.0
6	5.8	2.8	4.5	5.2	7.3	9.7	7.3	7.6	3.8	1.4	0.8	0.9
7	5.5	2.8	4.5	5.2	7.3	9.7	7.0	7.6	4.0	1.3	0.8	0.9
8	5.2	2.6	4.5	5.2	7.0	10	6.6	7.3	4.0	1.2	0.8	0.8
9	5.0	2.6	4.5	5.2	7.0	10	6.0	7.0	4.0	1.2	0.8	0.8
10	3.8	2.4	4.5	5.8	6.6	10	5.8	6.3	3.5	1.2	0.8	3.3
11	3.0	2.6	4.5	8.9	6.6	9.7	5.5	6.3	3.4	1.3	0.9	5.1
12	2.9	2.8	4.5	9.4	6.6	9.2	5.5	6.6	3.0	1.3	0.9	8.6
13	2.6	4.5	4.5	7.0	6.6	8.9	5.2	6.3	2.9	1.3	1.0	8.8
14	2.6	6.3	4.8	6.3	6.6	8.6	5.2	7.4	2.8	1.2	0.9	5.2
15	2.6	4.8	5.0	5.8	6.6	8.6	5.5	6.3	2.8	1.1	0.8	5.0
16	2.6	4.5	5.0	6.0	6.6	8.6	5.5	6.3	2.8	1.1	0.7	4.8
17	2.8	a 4.5	5.0	5.8	6.6	8.6	5.5	6.0	2.9	1.1	0.7	4.5
18	2.9	4.8	5.0	5.8	6.0	8.6	5.5	5.8	2.9	1.0	0.8	4.2
19	2.9	5.2	5.0	6.6	6.0	8.2	5.5	5.8	2.9	1.0	0.8	4.0
20	2.9	5.2	5.0	5.6	6.0	7.9	5.8	5.5	2.8	1.0	0.8	4.2
21	2.9	5.0	5.0	6.3	6.0	7.9	5.5	5.5	2.8	1.0	0.8	4.2
22	3.0	a 4.5	5.0	6.0	6.6	7.6	5.2	5.5	2.8	0.9	0.8	4.0
23	3.0	4.0	5.0	6.0	7.6	7.3	5.0	5.3	2.8	0.9	0.8	4.0
24	3.0	4.0	5.0	5.8	7.6	7.0	5.2	5.0	2.6	1.0	0.8	4.0
25	3.0	4.0	5.0	5.8	7.3	7.0	8.6	4.3	2.6	1.0	0.8	5.2
26	3.2	3.8	5.0	5.8	7.3	7.0	9.6	4.0	2.4	1.0	0.7	5.7
27	4.0	3.8	5.0	5.5	11	7.0	7.6	4.0	2.2	0.9	0.7	8.6
28	3.8	3.8	5.0	5.5	10	7.0	9.9	3.8	2.0	1.0	0.8	9.2
29	3.4	4.0	5.0	12		7.0	21	3.5	1.8	1.0	0.9	8.9
30	3.2	4.0	5.0	13		7.0	13	3.4	1.8	1.0	1.0	8.9
31	3.4		5.0	10		7.0		3.4		0.9	1.0	
	122.7	113.8	147.3	201.7	204.0	273.8	211.4	191.2	88.5	36.2	25.7	128.8
MEAN	3.96	3.79	4.75	6.51	7.29	8.83	7.05	6.17	2.95	1.17	0.83	4.29
ACRE-FEET	243.	226.	292.	400.	405.	543.	419.	379.	176.	72.	51.	255.

Remarks:

YEAR OR PERIOD MEAN 4.78
ACRE-FEET 3460.


STA. NO. P3-R
SAN GABRIEL RIVER-WEST FORK
above Forks
Storm of Dec. 18, 19, 1949
DISCHARGE IN SECOND-FEET
0
40
80
120
160
200
240
280
METER RATED FLOW
MID
4
8
NOON
DEC. 18
DEC. 19


STA. NO. P3-R
SAN GABRIEL RIVER-WEST FORK
above Forks
Storm of Feb. 6, 1950
DISCHARGE IN SECOND-FEET
0
40
80
120
160
200
METER RATED FLOW
MID
4
8
NOON
FEB. 6
FEB. 7



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 NO. 1; 2.5 MI. 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 OF A 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.

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, 1949 TO SEPTEMBER 30, 1951.

REGULATION: NONE.

DIVERSIONS: NONE.

RECORDS AVAILABLE: AT STATION P4-R AND P4B-R. NOVEMBER 30, 1932 TO SEPTEMBER 30, 1951.

EXTREMES OF DISCHARGE:

1949-50
MAXIMUM 248 SECOND-FEET, FEBRUARY 6.
MINIMUM 5.1 SECOND-FEET, SEPTEMBER 1.

1950-51
MAXIMUM 39 SECOND-FEET, APRIL 28.
MINIMUM 1.7 SECOND-FEET, VARIOUS TIMES

1932-51
MAXIMUM 46,000 SECOND-FEET, MARCH 2, 1938 (COMPUTED BY GEOLOGICAL SURVEY).
MINIMUM 1.5 SECOND-FEET, OCTOBER 1, 1934.

ACCURACY: POOR DUE TO EXTREME CHANNEL SHIFT.

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 BRANCH.

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER - EAST FORK

~~AT~~ above Forks DURING THE YEAR ENDING SEPTEMBER 30, 19 50

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.
1867	10-6	0930 / 0948	MIDDLETON	10.8	8.07	1.08	9.10	8.7		.6	11	0	FC29
1868	10-13	1020 / 1037	"	10.3	7.67	1.12	9.09	8.6		.6	12	0	"
1869	10-20	1216 / 1237	"	10.4	8.21	1.25	9.13	10.3		.6	12	0	"
1870	10-24	1350 / 1412	"	11.5	5.55	1.64	5.77	9.1		.6	13	0	"
1871	10-27	1055 / 1113	"	11.7	5.67	1.69	5.77	9.6		.6	12	0	"
1872	10-31	1525 / 1543	"	11.5	5.67	1.46	5.76	8.3		.6	12	0	"
1873	11-3	0936 / 0953	"	11.5	6.21	1.48	5.78	9.2		.6	12	0	"
1874	11-10	1000 / 1015	"	18.0	25.8	6.01	7.55	155.		.6	9	+.13	"
1875	11-10	1032 / 1049	"	18.0	25.7	6.23	7.60	160.		.6	10	+.08	"
1876	11-10	1106 / 1123	"	18.0	29.0	6.17	7.72	178.		.6	10	-.04	"
1877	11-10	1132 / 1150	MIDDLETON - SPANGLER	18.0	26.8	5.90	7.67	158.		.6	10	-.02	"
1878	11-10	1220 / 1240	"	17.0	26.9	5.43	7.59	146.		.6	9	0	"
1879	11-10	1532 / 1555	"	16.0	22.2	4.02	7.43	89.2		.6	10	+.02	"
1880	11-11	1110 / 1130	MIDDLETON	15.0	13.4	2.76	6.89	37.0		.6	15	0	"
1881	11-14	1447 / 1508	"	14.3	9.00	1.92	6.55	17.3		.6	16	-.01	"
1882	11-17	1050 / 1112	"	13.5	7.39	2.06	6.50	15.2		.6	15	0	"
1883	11-21	1030 / 1048	MIDDLETON - SPANGLER	13.5	7.15	1.96	6.47	14.0		.6	13	0	"
1884	11-25	1448 / 1508	MIDDLETON	13.5	6.79	1.97	6.42	13.4		.6	13	0	"
1885	11-26	1250 / 1308	"	13.7	6.91	1.94	6.42	13.4		.6	14	0	"
1886	12-1	1515 / 1532	MIDDLETON - SPANGLER	13.3	5.88	1.94	6.40	11.4		.6	13	0	"
1887	12-8	0905 / 0935	SPANGLER	13.5	7.10	1.96	6.44	13.9		.6	13	0	"
1888	12-8	1000 / 1016	MIDDLETON - SPANGLER	14.5	7.20	2.03	6.46	14.6		.6	13	0	"
1889	12-8	1016 / 1034	SPANGLER - MIDDLETON	13.5	7.39	2.03	6.46	15.0		.6	13	0	"
1890	12-8	1416 / 1435	MIDDLETON	13.5	7.00	2.20	6.48	15.4		.6	13	0	"
1891	12-12	1415 / 1436	SPENCER - MIDDLETON	13.5	6.52	1.90	6.44	12.4		.6	13	0	"
1892	12-15	1030 / 1052	MIDDLETON	13.5	6.48	1.88	6.43	12.2		.6	14	0	"
1893	12-18	1020 / 1035	SPANGLER	14.0	9.90	2.35	6.72	23.3		.6	14	+.02	FC11
1894	12-18	1140 / 1200	"	14.0	11.4	2.37	6.90	27.0		.6	14	+.04	"
1895	12-18	1336 / 1349	MIDDLETON - SPANGLER	14.5	12.9	2.98	6.92	38.4		.6	13	+.02	FC29
1896	12-18	1640 / 1655	"	15.5	17.3	3.39	7.09	58.7		.6	15	+.02	"
1897	12-18	2000 / 2015	"	16.5	22.0	3.79	7.27	83.4		.6	15	+.02	"
1898	12-18	2125 / 2141	"	17.5	25.0	4.36	7.42	109.		.6	16	+.04	"
1899	12-19	0010 / 0030	"	15.5	28.0	6.32	7.64	177.		.6	9	+.02	"
1900	12-19	0805 / 0908	SPANGLER	17.5	26.4	4.39	7.43	116.		.6	17	-.07	FC11
1901	12-19	1122 / 1141	MIDDLETON - SPANGLER	15.0	20.7	5.31	7.33	110.		.6	8	-.01	FC29
1902	12-19	1245 / 1258	"	15.0	21.4	5.00	7.31	107.		.6	9	-.01	"
1903	12-20	1418 / 1440	MIDDLETON	15.5	16.6	3.40	6.92	56.5		.6	15	0	"
1904	12-22	1423 / 1442	"	14.3	12.6	2.74	6.68	34.5		.6	14	0	"
1905	12-29	1033 / 1055	"	13.5	9.32	2.60	6.57	24.2		.6	13	0	"
1906	1-5	1505 / 1523	"	13.5	9.20	2.35	6.54	21.6		.6	14	0	"
1907	1-8	1640 / 1658	MIDDLETON - SPANGLER	13.5	11.0	2.64	6.63	29.0		.6	13	+.02	"
1908	1-8	1947 / 2005	"	15.8	16.0	3.19	6.92	51.1		.6	15	+.04	"
1909	1-8	2222 / 2243	"	15.5	17.8	3.52	7.00	62.7		.6	15	0	"
1910	1-9	1113 / 1132	MIDDLETON	13.8	12.5	2.81	6.71	35.1		.6	13	0	"
1911	1-11	1027 / 1048	"	13.7	11.0	2.47	6.60	27.2		.6	14	0	"
1912	1-11	1416 / 1435	"	13.9	12.2	2.64	6.67	32.2		.6	14	+.02	"
1913	1-12	1020 / 1038	"	14.2	12.5	2.56	6.68	32.0		.6	14	0	"
1914	1-16	1032 / 1053	"	13.5	11.1	2.31	6.60	25.6		.6	14	0	"
1915	1-19	1312 / 1330	"	13.7	11.6	2.43	6.63	28.2		.6	13	0	"
1916	1-23	1500 / 1521	"	14.1	12.6	2.70	6.69	34.0		.6	15	0	"
1917	1-26	1303 / 1321	"	14.1	12.7	2.67	6.68	33.9		.6	15	0	"
1918	1-29	0943 / 1000	MIDDLETON - AUSTIN	14.4	13.4	2.63	6.71	35.2		.6	15	0	FC26
1919	1-30	1322 / 1340	MIDDLETON	13.9	12.4	2.40	6.67	29.8		.6	15	0	"
1920	2-2	1003 / 1023	"	13.6	12.0	2.33	6.63	28.0		.6	14	0	"
1921	2-6	0522 / 0543	"	15.5	22.6	3.72	7.16	84.1		.6	12	+.02	"
1922	2-6	0640 / 0658	"	17.0	31.1	6.59	7.78	205.		.6	9	+.06	"
1923	2-6	0935 / 0953	"	17.0	34.6	6.99	7.89	242.		.6	10	0	"
1924	2-6	1228 / 1248	"	18.0	35.4	7.03	7.89	249.		.6	10	0	"

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN, VELOCITY FT.PER SEC.	GAU HEI FE
1925	2-6	1503 / 1520	"	18.0	34.2	6.58	7.
1926	2-7	1145 / 1200	"	16.5	27.8	5.29	7.
1927	2-9	0958 / 1020	"	16.8	21.1	3.85	7.
1928	2-10	1005 / 1026	MIDDLETON - AUSTIN	16.7	20.4	3.68	7.
1929	2-10	1305 / 1323	"	17.1	21.8	3.82	7.
1930	2-14	1252 / 1314	MIDDLETON	16.3	18.6	3.31	7.
1931	2-16	1322 / 1343	"	16.0	17.5	3.19	7.
1932	2-20	1003 / 1025	"	16.0	16.9	2.86	6.
1933	2-23	0937 / 0958	"	15.8	16.2	2.85	6.
1934	2-27	1102 / 1123	"	15.6	16.4	2.46	6.
1935	3-2	1447 / 1510	"	15.4	15.8	2.40	6.
1936	3-6	1147 / 1208	"	15.4	15.2	2.28	6.
1937	3-9	1330 / 1352	"	15.6	14.6	2.25	6.
1938	3-13	1120 / 1142	"	15.2	14.5	2.23	6.
1939	3-16	1018 / 1040	"	15.3	14.2	2.18	6.
1940	3-20	1120 / 1142	"	15.2	13.6	2.12	6.
1941	3-23	1318 / 1340	"	15.3	13.2	2.15	6.
1942	3-24	2003 / 2020	MIDDLETON - TREAT	16.2	19.5	2.93	7.
1943	3-24	2232 / 2250	"	16.5	21.1	3.08	7.
1944	3-27	1020 / 1042	MIDDLETON	15.6	14.6	2.21	6.
1945	3-30	1450 / 1512	"	15.3	13.4	2.07	6.
1946	4-3	1140 / 1202	"	15.2	13.7	2.11	6.
1947	4-6	1447 / 1508	"	15.2	13.4	2.16	6.
1948	4-8	1650 / 1713	MIDDLETON - AUSTIN	16.3	19.3	2.83	6.
1949	4-8	1947 / 2003	"	17.0	22.1	3.05	7.
1950	4-8	2237 / 2257	"	17.6	22.9	3.12	7.
1951	4-10	1056 / 1121	MIDDLETON	15.1	16.2	2.72	6.
1952	4-14	1038 / 1057	"	14.5	16.0	2.52	6.
1953	4-17	1118 / 1138	"	15.3	18.3	1.78	6.
1954	4-18	1235 / 1257	"	15.4	18.9	1.87	6.
1955	4-20	1540 / 1602	"	15.5	18.5	1.77	6.
1956	4-24	1317 / 1340	"	15.4	18.8	1.81	6
1957	4-27	1520 / 1542	"	15.3	18.8	1.72	6.
1958	5-1	1130 / 1153	"	14.3	16.3	1.91	6.
1959	5-4	1542 / 1558	"	14.2	16.0	1.75	6.
1960	5-8	1334 / 1353	"	14.2	15.8	1.65	6.
1961	5-11	1423 / 1442	"	14.0	15.0	1.54	6.
1962	5-15	1537 / 1558	"	14.1	15.0	1.48	6.
1963	5-18	1435 / 1457	"	14.2	15.5	1.50	6.
1964	5-22	1503 / 1521	"	14.2	14.5	1.44	6.
1965	5-25	1527 / 1545	"	14.0	14.7	1.36	6.
1966	5-29	1242 / 1303	"	13.9	13.8	1.30	6.
1967	6-1	1540 / 1556	"	12.2	12.4	1.40	6.
1968	6-5	1452 / 1510	"	12.7	12.3	1.24	6.
1969	6-8	1540 / 1558	"	12.4	12.2	1.18	6.
1970	6-12	1303 / 1320	LANG	12.2	11.6	1.35	6.
1971	6-15	1411 / 1434	"	12.2	11.4	1.33	6.
1972	6-19	1338 / 1355	"	12.2	11.1	1.28	6.
1973	6-22	1354 / 1412	"	12.2	10.8	1.21	6.
1974	6-26	1300 / 1322	MIDDLETON	12.2	11.1	1.20	6.
1975	6-29	1500 / 1517	"	12.4	10.6	1.05	6.
1976	7-3	1150 / 1208	"	11.7	10.0	1.08	6.
1977	7-6	1325 / 1343	"	11.7	10.1	1.12	6.
1978	7-10	1515 / 1533	"	11.4	9.61	1.10	6.
1979	7-13	1433 / 1450	"	11.2	9.29	1.00	6.
1980	7-17	1600 / 1618	"	11.2	8.99	1.02	6.
1981	7-20	1438 / 1457	"	11.6	9.21	0.97	6.
1982	7-24	1301 / 1317	LANG	11.1	9.02	0.98	6.
1983	7-27	1345 / 1405	"	11.1	8.81	0.95	6.
1984	7-31	1502 / 1520	MIDDLETON	11.6	9.38	0.90	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.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1985	8-3	1405 / 1428	"	11.5	8.73	0.86	6.34	7.5		.6	13	0	"
1986	8-7	1502 / 1526	"	9.7	7.92	0.93	6.33	7.4		.6	17	0	"
1987	8-10	1532 / 1550	"	9.7	7.75	0.89	6.31	6.9		.6	11	0	"
1988	8-14	1505 / 1527	"	8.2	5.66	1.22	6.31	6.9		.6	15	0	"
1989	8-17	1515 / 1536	"	7.5	4.76	1.28	6.29	6.1		.6	14	0	"
1990	8-21	1515 / 1538	"	8.0	5.01	1.20	6.26	6.0		.6	14	0	"
1991	8-24	1503 / 1523	"	7.6	4.33	1.43	6.27	6.2		.6	14	0	"
1992	8-28	1335 / 1356	"	7.7	4.37	1.42	6.28	6.2		.6	14	0	"
1993	8-31	1532 / 1550	"	7.5	4.11	1.34	6.26	5.5		.6	15	0	"
1994	9-5	1152 / 1213	"	7.2	3.74	1.66	6.29	6.2		.6	15	0	"
1995	9-7	1450 / 1510	MIDDLETON - LINDSAY	7.6	4.29	1.86	6.34	8.0		.6	14	0	"
1996	9-11	1500 / 1518	MIDDLETON	7.1	3.40	2.12	6.31	7.2		.6	13	0	"
1997	9-14	1517 / 1538	"	7.3	3.60	1.94	6.30	7.0		.6	14	0	"
1998	9-18	1535 / 1553	"	7.0	3.56	1.97	6.31	7.0		.6	13	0	"
1999	9-21	1340 / 1358	"	6.8	3.50	1.94	6.30	6.8		.6	13	0	"
2000	9-25	1512 / 1533	"	7.0	3.49	1.78	6.28	6.2		.6	14	0	"
2001	9-28	1338 / 1357	"	7.0	3.49	1.75	6.26	6.1		.6	14	0	"

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER - EAST FORK

~~NEAR~~ above Forks DURING THE YEAR ENDING SEPTEMBER 30, 19 51

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
2002	10-2	1336 / 1354	MIDDLETON	6.5	3.48	2.04	6.30	7.1		.6	14	0	FC26
2003	10-5	1308 / 1328	"	6.7	3.48	1.87	6.28	6.5		.6	14	0	"
2004	10-9	0938 / 0958	"	6.7	3.53	1.93	6.29	6.8		.6	14	0	"
2005	10-13	1250 / 1308	"	6.7	3.39	1.80	6.27	6.1		.6	15	-.01	"
2006	10-16	1005 / 1024	"	6.4	4.06	1.75	6.29	7.1		.6	14	0	"
2007	10-19	1425 / 1443	"	6.4	3.88	1.65	6.27	6.4		.6	13	0	"
2008	10-23	1325 / 1346	"	6.5	3.62	1.69	6.28	6.1		.6	14	0	"
2009	10-26	1032 / 1052	"	6.5	3.76	1.81	6.31	6.8		.6	15	0	"
2010	10-27	1520 / 1540	"	6.7	4.02	1.84	6.33	7.4		.6	14	0	"
2011	10-30	1330 / 1348	"	6.7	3.96	1.82	6.31	7.2		.6	14	0	"
2012	11-2	1453 / 1515	"	6.6	3.80	1.66	6.29	6.3		.6	15	0	"
2013	11-6	1435 / 1453	"	6.2	3.56	1.85	6.25	6.6		.6	13	0	"
2014	11-9	1438 / 1456	"	6.2	3.62	1.82	6.25	6.6		.6	14	0	"
2015	11-13	1310 / 1328	"	6.5	4.00	1.90	6.32	7.6		.6	14	0	"
2016	11-13	1515 / 1533	"	6.7	4.57	2.23	6.39	10.2		.6	15	+.01	"
2017	11-14	1142 / 1203	"	7.3	5.42	2.38	6.45	12.9		.6	15	-.01	"
2018	11-16	1505 / 1526	"	7.0	4.98	2.15	6.39	10.7		.6	15	0	"
2019	11-20	1400 / 1423	"	7.2	4.92	2.05	6.38	10.1		.6	16	0	"
2020	11-24	1322 / 1343	"	7.0	4.74	2.07	6.38	9.8		.6	15	0	"
2021	11-27	1037 / 1056	"	7.3	5.33	1.91	6.39	10.2		.6	15	0	"
2022	11-30	1447 / 1510	"	7.4	5.22	1.88	6.37	9.8		.6	16	0	"
2023	12-4	1334 / 1356	"	7.3	5.21	1.88	6.37	9.8		.6	16	0	"
2024	12-7	1512 / 1533	"	7.3	5.14	1.83	6.39	9.4		.6	16	0	"
2025	12-11	1438 / 1500	"	7.4	5.26	1.83	6.40	9.6		.6	16	0	"
2026	12-14	1511 / 1534	"	7.4	5.27	1.88	6.41	9.9		.6	16	0	"
2027	12-18	1307 / 1326	"	7.4	5.44	1.88	6.41	10.2		.6	15	0	"
2028	12-21	1325 / 1348	"	7.4	5.47	1.88	6.40	10.3		.6	16	0	"
2029	12-26	1336 / 1357	"	7.4	5.51	1.87	6.40	10.3		.6	15	0	"
2030	12-28	1335 / 1357	"	7.4	5.45	1.89	6.40	10.3		.6	16	0	"
2031	1-2	1255 / 1318	"	7.4	5.52	1.83	6.40	10.1		.6	16	0	"
2032	1-4	1515 / 1538	"	7.6	5.54	1.81	6.39	10.0		.6	16	0	"
2033	1-8	1525 / 1548	"	7.4	4.85	2.10	6.39	10.2		.6	16	0	"
2034	1-11	1532 / 1552	THOMAS - MIDDLETON	8.0	6.13	2.45	6.51	15.0		.6	13	+.06	"
2035	1-12	0945 / 1008	MIDDLETON	8.0	5.50	2.38	6.46	13.1		.6	17	0	"
2036	1-15	1405 / 1427	"	7.8	5.26	2.19	6.41	11.5		.6	16	0	"
2037	1-18	1002 / 1021	"	7.2	4.89	2.25	6.40	11.0		.6	16	0	"
2038	1-19	0930 / 0952	"	7.6	5.44	2.39	6.45	13.0		.6	16	0	"
2039	1-22	1035 / 1058	"	7.6	5.02	2.19	6.40	11.0		.6	16	0	"
2040	1-25	1450 / 1512	"	7.6	5.09	2.14	6.40	10.9		.6	16	0	"
2041	1-29	1004 / 1024	"	7.8	5.83	2.50	6.46	14.6		.6	16	+.02	"
2042	1-29	1313 / 1338	"	9.8	8.37	2.99	6.66	25.0		.6	19	+.02	"
2043	1-29	1515 / 1540	"	9.8	8.43	2.92	6.66	24.6		.6	21	-.01	"
2044	1-30	0955 / 1023	"	8.8	6.54	2.48	6.52	16.2		.6	18	-.01	"
2045	2-1	1440 / 1505	SPENCER - MIDDLETON	8.5	6.00	2.23	6.45	13.4		.6	17	0	"
2046	2-5	1302 / 1324	MIDDLETON	8.4	5.54	2.24	6.43	12.4		.6	17	0	"
2047	2-8	1418 / 1441	"	8.4	5.50	2.18	6.42	12.0		.6	17	0	"
2048	2-13	1320 / 1343	"	8.3	5.54	2.09	6.40	11.6		.6	17	0	"
2049	2-15	1424 / 1446	"	7.7	5.24	2.18	6.39	11.4		.6	16	0	"
2050	2-19	0935 / 0958	"	7.8	5.25	2.15	6.38	11.3		.6	16	0	"
2051	2-21	1447 / 1510	"	7.8	5.27	2.13	6.37	11.2		.6	16	0	"
2052	2-26	1420 / 1443	"	7.9	5.37	2.18	6.38	11.7		.6	16	0	"
2053	2-27	1105 / 1128	"	8.1	5.88	2.43	6.43	14.3		.6	16	0	"
2054	3-1	1513 / 1525	MIDDLETON - LINDSAY	8.6	6.78	2.60	6.49	17.6		.6	12	0	"
2055	3-2	1120 / 1138	MIDDLETON	8.4	6.09	2.38	6.43	14.5		.6	12	0	"
2056	3-5	1413 / 1429	"	8.4	6.06	2.41	6.43	14.6		.6	11	0	"
2057	3-8	1518 / 1536	"	8.6	6.41	2.22	6.43	14.2		.6	13	0	"
2058	3-12	1408 / 1430	"	8.6	6.43	2.07	6.41	13.3		.6	17	0	"
2059	3-15	1250 / 1314	"	8.6	6.65	2.06	6.42	13.7		.6	18	0	"
2060	3-19	0940 / 1003	"	8.5	6.88	2.08	6.42	14.3		.6	18	0	"
2061	3-22	1503 / 1526	"	8.4	6.57	1.98	6.39	13.0		.6	18	0	"
2062	3-26	1517 / 1540	"	8.5	6.31	1.92	6.38	12.1		.6	18	0	"
2063	3-29	0935 / 0957	"	7.7	5.84	2.02	6.38	11.8		.6	16	0	"
2064	4-2	0943 / 1008	"	7.7	5.94	1.90	6.38	11.3		.6	16	0	"
2065	4-5	1503 / 1525	"	8.2	6.34	2.08	6.41	13.2		.6	17	0	"
2066	4-9	1206 / 1230	"	8.0	5.90	1.86	6.36	11.0		.6	17	0	"
2067	4-12	0930 / 0952	"	8.0	5.91	1.90	6.37	11.2		.6	17	0	"
2068	4-16	0952 / 1015	"	8.0	5.85	1.81	6.36	10.6		.6	17	0	"
2069	4-19	1508 / 1530	"	8.1	5.97	1.78	6.36	10.6		.6	17	0	"
2070	4-23	1253 / 1315	"	8.1	6.00	1.72	6.34	10.3		.6	17	0	"
2071	4-25	1730 / 1750	"	8.8	7.57	2.22	6.48	16.8		.6	13	-.01	"
2072	4-26	1337 / 1354	"	8.5	6.76	1.89	6.39	12.8		.6	13	0	"
2073	4-28	2306 / 2325	"	12.2	11.8	2.69	6.75	31.8		.6	15	-.02	"
2074	4-30	1107 / 1130	"	9.6	8.61	2.06	6.50	17.7		.6	17	0	"
2075	5-3	0908 / 0927	"	9.2	8.06	2.01	6.45	16.2		.6	15	0	"
2076	5-7	1017 / 1040	"	9.2	7.32	2.13	6.45	15.6		.6	18	0	"
2077	5-10	0927 / 0950	"	9.3	6.93	2.01	6.42	13.9		.6	18	0	"
2078	5-14	1005 / 1028	"	9.4	7.64	1.92	6.43	14.7		.6	18	0	"
2079	5-17	0947 / 1006	"	8.9	7.30	1.74	6.39	12.7		.6	18	0	"
2080	5-21	1000 / 1025	"	9.0	6.76	1.78	6.38	12.0		.6	18	-.01	"
2081	5-24	1100 / 1118	KASIMOFF	9.5	7.94	1.45	6.35	11.5		.6	12	0	FC47
2082	5-28	0957 / 1019	MIDDLETON	9.0	5.81	1.72	6.32	10.0		.6	19	0	FC26
2083	5-31	1018 / 1048	SCHOR - MIDDLETON	10.2	6.60	1.59	6.34	10.5		.6	18	0	"
2084	6-4	1140 / 1158	MIDDLETON	7.6	5.69	1.65	6.31	9.4		.6	16	-.01	"
2085	6-7	0943 / 1005	"	7.6	5.81	1.72	6.33	10.0		.6	16	0	"
2086	6-11	1050 / 1110	"	7.1	5.19	1.62	6.29	8.4		.6	15	-.01	"
2087	6-14	1015 / 1036	"	7.1	5.08	1.50	6.28	7.6		.6	15	0	"
2088	6-18	1010 / 1028	"	7.2	5.74	1.24	6.27	7.1		.6	14	0	"
2089	6-21	1007 / 1028	"	7.3	5.99	1.17	6.26	7.0		.6	15	0	"
2090	6-25	1140 / 1158	"	6.2	3.97	1.56	6.25	6.2		.6	13	0	"
2091	6-28	1533 / 1546	"	5.2	2.78	1.62	6.21	4.5		.6	11	0	"
2092	6-29	1514 / 1530	"	4.7	2.70	1.70	6.21	4.6		.6	11	0	"
2093	7-2	1344 / 1400	"	5.3	3.03	1.65	6.23	5.0		.6	11	0	"
2094	7-5	1550 / 1608	"	5.6	3.50	1.20	6.20	4.2		.6	12	0	"
2095	7-9	1400 / 1417	"	5.3	3.38	1.07	6.18	3.6		.6	12	0	"
2096	7-12	1347 / 1402	"	5.2	3.38	1.24	6.20	4.2		.6	12	0	"
2097	7-16	1430 / 1447	"	5.0	2.89	1.07	6.17	3.1		.6	12	0	"
2098	7-19	1539 / 1557	"	5.3	3.06	1.08	6.17	3.3		.6	12	0	"
2099	7-23	1405 / 1423	"	5.5	3.14	1.11	6.17	3.5		.6	12	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.					NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.					
2100	7-26	1441 / 1458	"	5.4	3.11	1.03	6.16	3.2																	
2101	7-30	1405 / 1423	"	5.1	2.66	1.13	6.13	3.0		.6	13	0	"	2111	9-4	1013 / 1028	MIDDLETON	4.4	1.93	1.66	6.12	3.2		.6	11	0	"
2102	8-2	1510 / 1528	"	4.8	2.47	1.13	6.11	2.8		.6	11	0	"	2112	9-7	1340 / 1357	"	4.3	1.92	1.46	6.11	2.8		.6	11	0	"
2103	8-6	1145 / 1157	"	4.1	2.05	1.41	6.11	2.9		.6	9	0	"	2113	9-11	0900 / 0915	LANG	4.4	1.84	1.47	6.12	2.7		.6	10	0	FC12
2104	8-9	1326 / 1343	"	4.4	2.27	1.28	6.11	2.9		.6	10	0	"	2114	9-13	1538 / 1554	MIDDLETON	4.0	1.73	1.33	6.10	2.3		.6	11	0	FC26
2105	8-13	1346 / 1402	"	4.3	2.29	1.22	6.11	2.8		.6	10	0	"	2115	9-17	1002 / 1021	LANG	4.6	1.74	1.38	6.11	2.4		.6	12	0	FC12
2106	8-16	1420 / 1434	"	3.7	1.80	1.44	6.10	2.6		.6	9	0	"	2116	9-19	1430 / 1445	"	4.4	1.69	1.12	6.11	1.9		.6	9	0	"
2107	8-20	1335 / 1347	"	3.8	1.69	1.54	6.10	2.6		.6	9	0	"	2117	9-20	1417 / 1432	"	4.2	1.71	1.29	6.12	2.2		.6	11	0	"
2108	8-23	1520 / 1532	"	3.9	1.65	1.52	6.09	2.5		.6	9	0	"	2118	9-24	1455 / 1512	"	5.6	2.80	0.64	6.12	1.8		.6	13	0	"
2109	8-27	1030 / 1044	"	3.6	1.58	1.58	6.10	2.5		.6	10	0	"	2119	9-27	1311 / 1326	"	5.8	3.05	0.66	6.14	2.0		.6	11	0	"

F. C. Dist. Form 31 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. P48-R

Daily discharge, in second-feet of SAN GABRIEL RIVER - EAST FORK above Forks for the year ending September 30, 1950

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	7.9	8.2	11	23	28	38	28	31	17	11	8.1	5.6
2	7.9	8.5	11	23	28	38	28	31	17	11	8.1	5.4
3	7.9	8.8	12	22	27	36	29	29	17	10	7.9	5.4
4	7.9	8.8	12	22	26	35	29	28	16	11	7.6	5.6
5	8.2	8.8	12	22	27	34	30	28	15	11	7.6	5.8
6	8.6	8.5	12	22	168	34	30	28	17	11	7.6	6.9
7	9.0	8.5	13	21	149	34	29	27	16	11	7.4	8.1
8	9.0	8.8	14	30	35	34	42	26	15	11	7.4	7.4
9	9.0	9.3	14	38	28	33	52	26	14	11	7.2	7.2
10	9.0	73	13	29	78	32	44	25	14	11	7.2	7.2
11	8.6	37	12	33	75	32	40	24	15	10	7.2	7.2
12	8.2	25	12	33	70	32	38	24	15	9.8	7.2	7.2
13	8.2	19	12	29	65	32	38	23	15	9.3	7.2	7.0
14	8.2	17	12	28	61	31	38	23	15	9.3	7.2	7.0
15	8.2	16	12	27	59	31	38	23	15	9.6	7.2	7.0
16	9.3	16	12	26	56	30	37	23	15	9.6	7.0	7.2
17	8.6	15	12	26	54	29	35	23	15	9.6	6.7	7.2
18	8.6	15	47	26	51	29	35	23	14	9.6	6.5	7.2
19	8.6	14	129	28	49	29	34	23	14	9.3	6.3	7.0
20	8.6	14	60	29	47	29	34	22	14	9.3	6.3	6.7
21	9.0	14	43	30	47	29	35	21	13	9.0	6.3	6.7
22	9.3	13	36	32	46	28	36	21	13	9.0	6.0	6.5
23	9.3	14	32	34	46	28	36	21	14	8.7	6.0	6.5
24	9.3	14	29	34	44	36	35	21	14	8.7	6.0 *	6.8
25	9.0	14	28	35	42	47	34	21	14	8.4	6.0	6.5
26	9.3	13	27	34	41	36	32	20	13	8.1	6.0	6.5
27	9.6	13	26	32	40	33	32	19	12	8.1	6.0	6.0
28	9.3	13	24	32	39	31	32	18	12	7.9	6.0	6.0
29	9.0	12	24	34		30	31	17	11	7.9	6.0	6.0
30	8.8	12	a 24	31		29	* 30	17	11	7.9	5.8	6.5
31	8.5		a 24	30		28		17		8.1	5.8	
	269.9	471.2	761	895	1526	1007	1041	723	432	296.2	210.8	199.3
MEAN	8.71	15.7	24.5	28.9	54.5	32.5	34.7	23.3	14.4	9.55	6.80	6.64
ACRE-FEET	535.	935.	1510.	1780.	3030.	2000.	2060.	1430.	857.	588.	418.	395.

Remarks: *23 hrs.

YEAR OR PERIOD MEAN 21.5
ACRE-FEET 15540.
*24 hrs.

76D14M F. C. Dist. 52 9-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

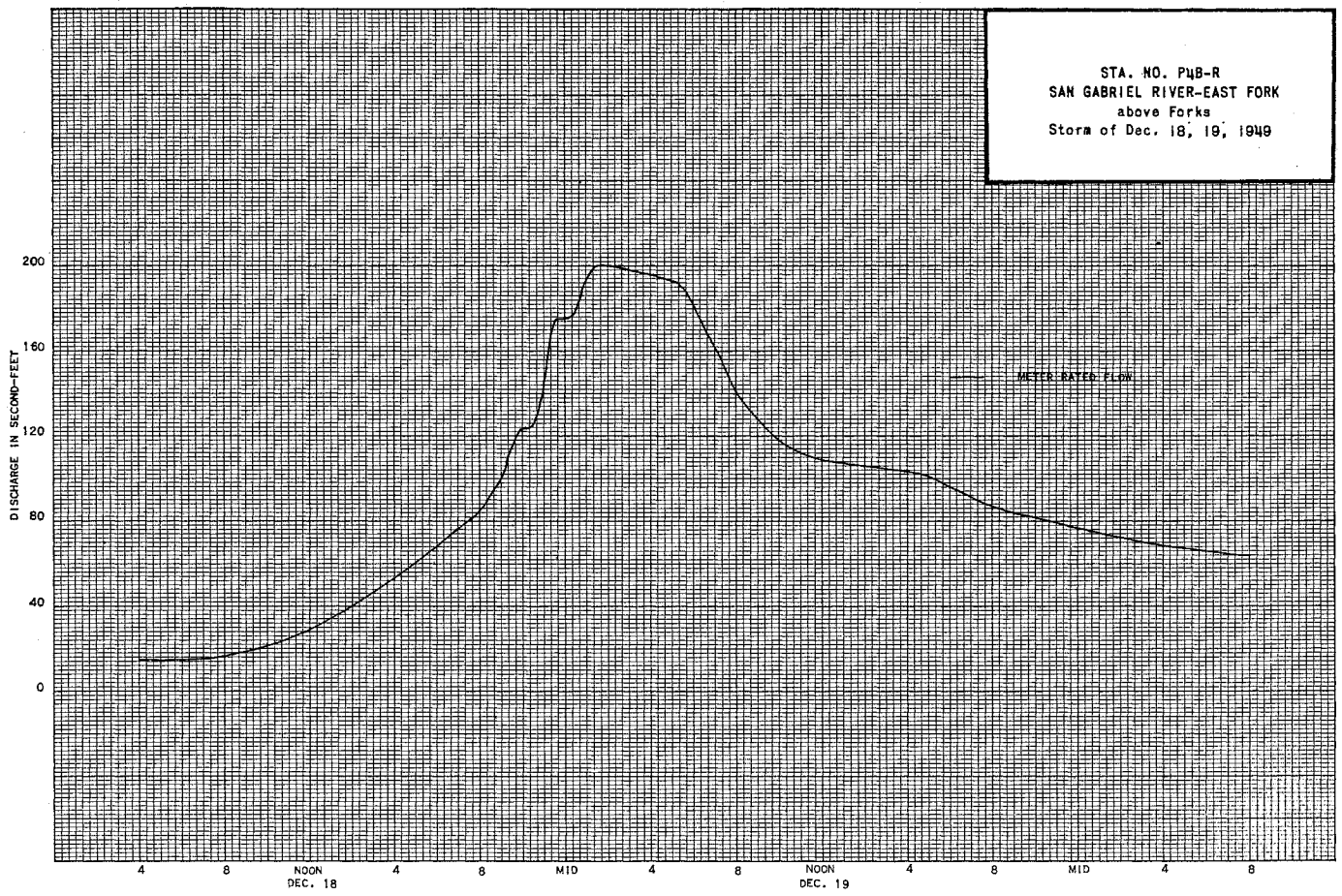
Sta. No. P48-R

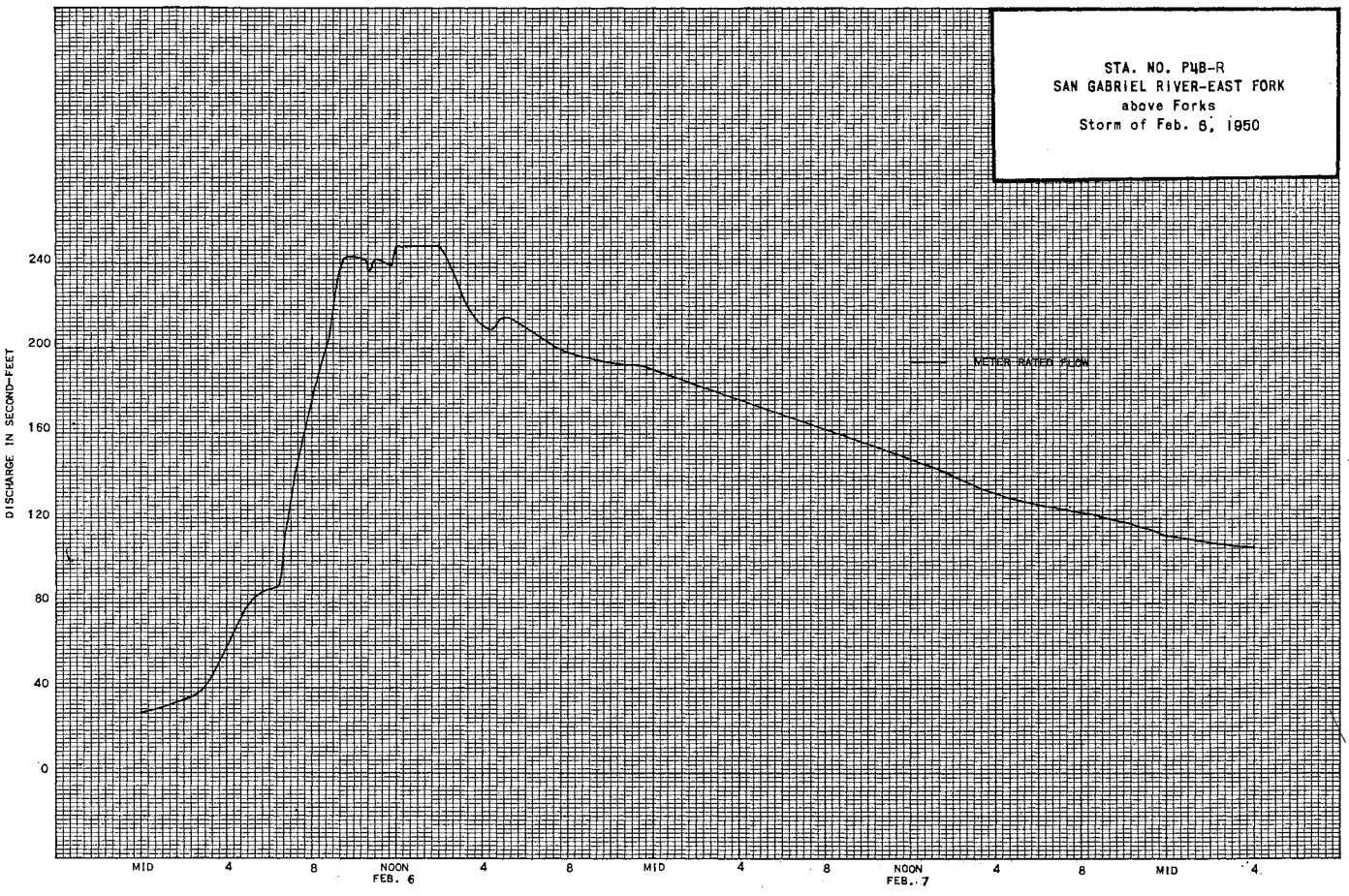
Daily discharge, in second-feet of SAN GABRIEL RIVER - EAST FORK above Forks for the year ending September 30, 1951

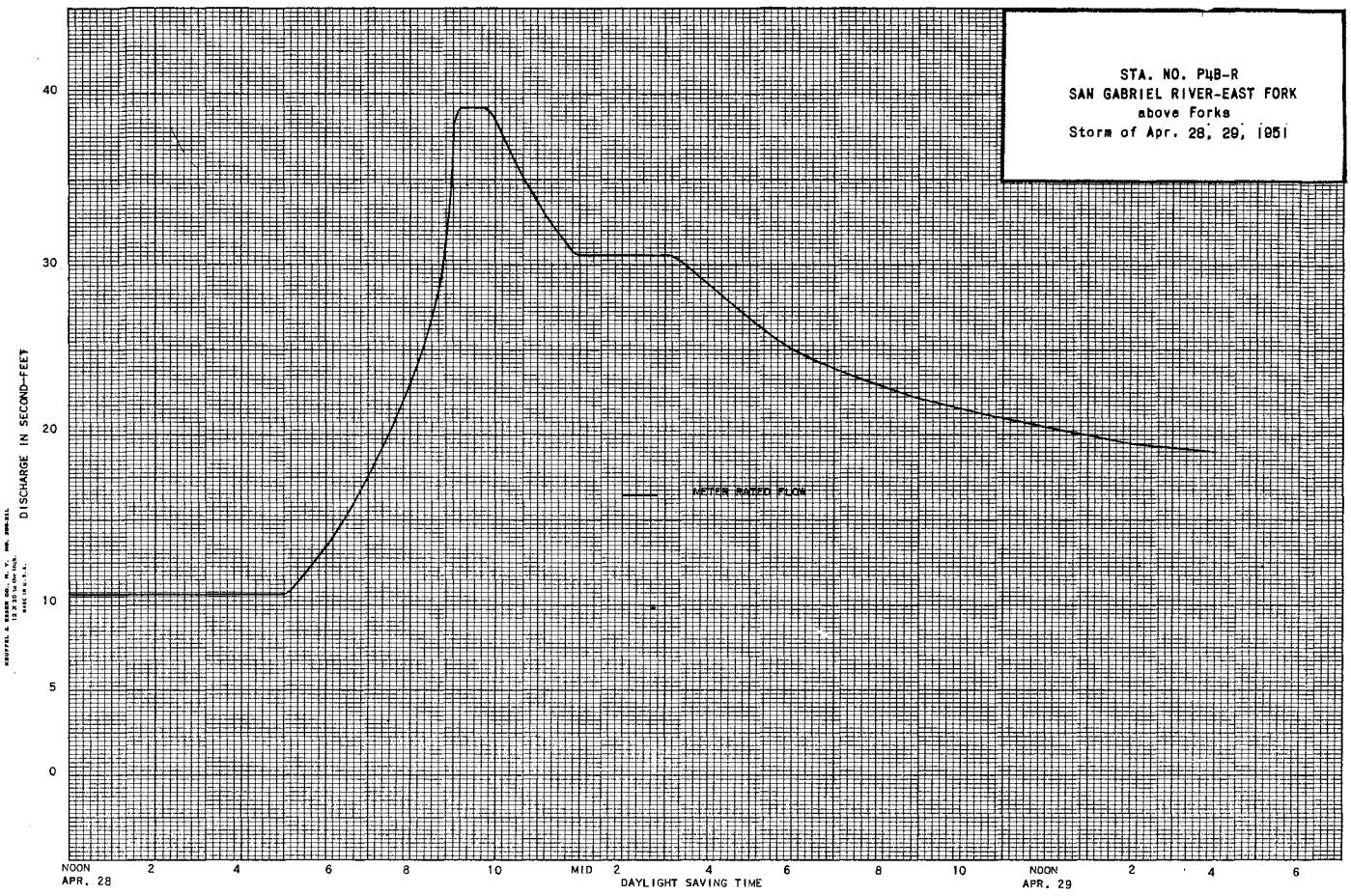
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	7.0	7.0	9.8	10	14	16	11	a 16	9.8	4.5	2.8	3.2
2	6.7	6.3	9.8	10	13	15	11	a 16	9.3	4.5	2.8	3.1
3	6.5	6.5	9.8	10	13	14	11	16	9.0	4.5	2.8	3.1
4	6.5	6.5	9.8	10	12	14	12	16	9.0	4.5	2.8	3.1
5	6.5	6.5	b 9.6	10	12	14	13	16	9.3	4.5	2.7	3.0
6	6.7	6.5	b 9.3	10	12	14	12	15	9.8	4.2	2.6	2.8
7	6.5	6.5	9.3	10	12	14	12	15	9.8	3.7	2.5	2.7
8	6.5	6.5	9.3	10	12	14	11	15	9.8	3.5	2.5	2.7
9	6.5	6.5	9.6	10	12	14	11	14	9.3	3.5	2.7	2.6
10	6.5	6.5	9.6	11	12	14	11	14	8.4	3.7	2.7	2.5
11	6.3	6.7	9.6	13	12	14	11	13	8.1	3.9	2.7	2.6
12	6.0	6.7	9.6	13	12	13	11	13	7.9	4.0	2.7	2.4
13	6.0	9.4	9.8	12	12	13	10	13	7.4	3.9	2.7	2.2
14	6.5	13	9.8	12	11	13	10	14	7.2	3.5	2.7	2.1
15	6.7	11	9.8	11	11	13	11	13	7.0	3.1	2.6	2.1
16	6.7	11	10	12	11	14	11	12	6.7	3.0	2.5	2.1
17	6.7	11	10	12	11	14	10	12	6.7	3.2	2.5	2.3
18	6.7	10	10	a 12	11	14	10	12	6.5	3.2	2.5	2.1
19	6.7	10	10	a 12	11	14	11	12	6.5	3.4	2.5	1.9
20	6.7	10	10	12	11	14	a 11	11	6.5	3.4	2.4	2.1
21	6.5	9.6	10	11	11	13	a 10	11	6.7	3.4	2.4	2.0
22	6.3	9.6	10	11	11	13	a 10	11	6.5	3.5	2.4	1.9
23	6.0	9.6	10	11	12	13	a 10	11	6.0	3.4	2.4	1.7
24	6.3	9.6	10	11	12	12	10	11	5.8	3.2	2.5	1.7
25	6.5	9.6	10	11	12	12	13	10	5.8	3.1	2.5	1.8
26	6.7	9.8	10	11	12	12	12	10	5.6	3.1	2.4	1.8
27	7.4	10	10	11	14	12	a 11	9.8	5.1	3.1	2.3	1.9
28	7.2	9.8	10	11	14	11	15	9.8	4.7	3.0	2.5	2.0
29	7.2	9.8	10	18		11	22	9.6	4.7	3.0	3.0	2.2
30	7.2	9.8	10	16		11	18	9.6	4.5	2.8	3.1	2.2
31	7.2		10	14		11		10		2.8	3.2	
	205.4	261.5	304.5	358	335	410	352	390.8	219.4	110.1	81.4	69.9
MEAN	6.63	8.72	9.82	11.5	12.0	13.2	11.7	12.6	7.31	3.55	2.63	2.33
ACRE-FEET	407.	519.	604.	710.	664.	813.	698.	775.	435.	218.	161.	139.

Remarks:

YEAR OR PERIOD MEAN 8.49
ACRE-FEET 6140.


STA. NO. P48-R
SAN GABRIEL RIVER-EAST FORK
above Forks
Storm of Dec. 18, 19, 1949
METER RATED FLOW
DISCHARGE IN SECOND-FEET
200
160
120
80
40
0
4
8
NOON
DEC. 18
4
8
MID
4
8
NOON
DEC. 19
4
8
MID
4
8


STA. NO. P48-R
SAN GABRIEL RIVER-EAST FORK
above Forks
Storm of Feb. 6, 1950
METER RATED FLOW
DISCHARGE IN SECOND-FEET
240
200
160
120
80
40
0
MID
4
8
NOON
FEB. 6
4
8
MID
4
8
NOON
FEB. 7
4
8
MID
4



STATION F250-R

SAN GABRIEL-AZUSA CONDUIT at weir below S. G. Dam No. 1

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 NO. 1; APPROXIMATELY 2500 FEET BELOW THE OLD EDISON INTAKE (ABANDONED), AND APPROXIMATELY 3900 FEET ABOVE STATION F220-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 BELOW THE TAINTOR GATE.

RECORDER: INSTALLED FEBRUARY 14, 1935 OVER A 24-INCH CORRUGATED IRON PIPE STILLING WELL. AN AU CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1949 TO SEPTEMBER 30, 1951.

REGULATION: THE FLOW OF THE SAN GABRIEL RIVER, AVAILABLE AT SAN GABRIEL DAM NO. 1 IS PARTIALLY REGULATED BY SAN GABRIEL DAM NO. 2 AND THE ENTIRE FLOW INTO THE SANDBOX IS REGULATED BY VALVE DISCHARGE FROM SAN GABRIEL DAM NO. 1.

RECORDS AVAILABLE: FEBRUARY 14, 1935 TO SEPTEMBER 30, 1951.

EXTREMES OF DISCHARGE: FLOW IS ENTIRELY REGULATED BY VALVE RELEASE. CAPACITY OF SANDBOX IS APPROXIMATELY 165 SECOND-FEET. CAPACITY OF 25 FT. 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 NO. 1 THROUGH THE SANDBOX ONLY AND DOES NOT NECESSARILY REFLECT DISCHARGE TO THE AZUSA CONDUIT. (SEE STATION F220-R).

F. C. Dist. Form 52 4-48

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F250R

Daily discharge, in second-feet of SAN GABRIEL -AZUSA CONDUIT at weir below San Gabriel Dam #1, for the year ending September 30, 1950

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	35	35	47	40	40	65	25	30	30	35	35	35
2	35	35	51	40	40	57	25	30	30	35	35	35
3	35	35	51	40	40	50	25	30	30	35	35	35
4	35	35	51	40	40	50	25	30	30	35	35	35
5	35	35	28	40	40	50	25	30	30	35	35	35
6	35	35	20	40	40	50	25	30	30	35	35	35
7	35	35	20	40	57	50	25	30	30	35	35	35
8	35	35	20	40	82	50	25	30	30	35	35	35
9	35	35	20	40	54	50	25	30	30	35	35	35
10	35	35	20	64	40	50	25	30	30	35	35	35
11	35	35	20	48	52	50	25	30	30	35	35	35
12	35	35	20	69	60	50	25	30	30	35	35	35
13	35	35	20	55	60	45	25	30	30	35	35	35
14	35	35	20	40	60	40	28	30	30	35	35	35
15	35	42	20	40	61	40	30	30	30	35	35	35
16	35	52	20	32	61	40	30	30	30	35	35	35
17	35	55	20	28	60	40	30	30	30	35	35	35
18	35	55	20	50	60	40	30	30	30	35	35	35
19	35	55	51	73	60	40	30	30	30	35	35	35
20	35	55	80	61	53	40	30	30	30	35	35	35
21	35	55	80	40	40	40	30	30	30	35	35	35
22	35	55	63	40	47	40	30	30	31	35	35	35
23	35	55	40	40	63	40	30	30	34	35	35	35
24	35	49	40	40	65	40	30	30	35	35	35	35
25	35	47	40	40	65	40	30	30	35	35	35	35
26	35	47	40	40	65	40	30	30	35	35	35	35
27	34	47	40	40	65	40	30	30	35	35	35	35
28	34	47	40	40	65	40	30	30	35	35	35	35
29	34	44	40	40		25	30	30	35	35	35	35
30	34	40	40	40		25	30	30	35	35	35	35
31	34		40	40		25		30		35	35	
	1080	1290	1122	1360	1535	1342	833	930	940	1085	1085	1050
MEAN	34.8	43.0	36.2	43.9	54.8	43.3	27.8	30.0	31.3	35.0	35.0	35.0
ACRE-FEET	2140.	2560.	2230.	2700.	3040.	2660.	1650.	1840.	1860.	2150.	2150.	2080.

YEAR OR PERIOD MEAN 37.4
ACRE-FEET 27060.

76D14M F. C. Dist. 52 9-50

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 #1, for the year ending September 30, 1951

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	35	35	17.4	14.2	14.2	13.8	21	0	0	0	0	0
2	35	35	19.6	13.8	14.2	13.8	21	0	0	0	0	0
3	35	35	19.6	13.8	14.2	13.8	21	0	0	0	0	0
4	35	35	19.6	13.8	14.2	13.8	21	0	0	0	0	0
5	35	35	15.3	13.8	14.2	14.2	21	0	0	0	0	0
6	35	36	13.1	13.8	14.2	14.2	21	0	0	0	0	0
7	34	36	11.6	13.8	14.2	14.2	21	0	0	0	0	0
8	34	35	10.0	13.8	14.2	13.8	21	0	0	0	0	0
9	34	35	10.0	13.8	14.2	13.5	23	0	0	0	0	0
10	34	35	10.0	13.8	14.2	13.5	25	0	0	0	0	0
11	34	35	10.0	13.8	14.2	13.5	25	0	0	0	0	0
12	34	18.4	10.0	13.8	14.2	16.9	25	0	0	0	0	0
13	35	10.0	10.0	13.8	14.2	30	25	0	0	0	0	0
14	36	10.0	10.0	13.8	14.2	50	25	0	0	0	0	0
15	36	10.0	10.0	13.8	14.2	70	25	0	0	0	0	0
16	36	14.1	10.0	13.8	14.5	47	24	0	0	0	0	0
17	35	15.8	10.0	13.8	14.5	13.8	20	0	0	0	0	0
18	35	15.8	11.4	13.8	14.5	13.8	18.1	0	0	0	0	0
19	35	17.4	13.8	13.8	14.5	13.8	18.1	0	0	0	0	0
20	35	20	13.8	13.8	14.5	13.8	18.1	0	0	0	0	0
21	35	20	13.9	13.8	14.5	13.8	18.1	0	0	0	0	0
22	35	20	14.2	13.8	14.5	13.8	46	0	0	0	0	0
23	35	20	14.2	13.8	14.0	13.8	60	0	0	0	0	0
24	35	14.8	14.2	13.8	13.8	18.5	58	0	0	0	0	0
25	35	12.2	14.2	13.8	13.8	21	49	0	0	0	e 0.2	0
26	35	12.2	14.2	13.8	13.8	21	39	0	0	0	0.4	0
27	35	12.2	14.2	13.8	13.8	21	11.4	0	0	0	0.3	0
28	35	12.2	14.2	13.8	13.8	21	0	0	0	0	0.3	0
29	35	12.2	14.2	14.2		21	0	0	0	0	e 0.2	0
30	35	12.2	14.2	14.2		21	0	0	0	0	0	0
31	35		14.2	14.2		21		0		0	0	
	1082	666.5	411.1	429.4	397.5	628.1	720.8	0	0	0	1.4	0
MEAN	34.9	22.2	13.3	13.9	14.2	20.3	24.0	0	0	0	0.05	0
ACRE-FEET	2150.	1320.	815.	852.	788.	1250.	1430.	0	0	0	2.8	0

Remarks:

YEAR OR PERIOD MEAN 11.9
ACRE-FEET 8610.

STATION F220-R

SAN GABRIEL-AZUSA CONDUIT at Garcia Canyon

LOCATION: WATER-STAGE RECORDER, LAT. 34°11'30", LONG. 117°51'25", ON THE WEST SIDE OF OPENING IN CONCRETE CONDUIT CONNECTING TUNNELS 4-A AND 4-B OF THE AZUSA CONDUIT WHICH DIVERTS WATER FROM THE SAN GABRIEL RIVER. THE STATION IS ABOUT 0.8 MILE BELOW SAN GABRIEL DAM NO. 1 AND 2 MILES ABOVE MORRIS DAM. ELEVATION OF GAGE ABOUT 1200 FEET.

CHANNEL AND CONTROL: STATION LOCATED ON SHORT OPEN SECTION OF CONCRETE CHANNEL. THE FLOW OVER THE 25-FOOT WEIR (STATION F250-R) MAY BE SPILLED BEFORE REACHING STATION F220-R. FLOW WHICH REACHES STATION F220-R MAY BE BY PASSED AROUND THE 25-FOOT WEIR AT STATION F250-R.

DISCHARGE MEASUREMENTS: FROM TOP OF TUNNEL PORTAL.

RECORDER: 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, 1949 TO SEPTEMBER 30, 1951.

RECORDS AVAILABLE: FEBRUARY 26, 1933 TO SEPTEMBER 30, 1951. (SEE 'RECORDER) (SEE 'REMARKS')

EXTREMES OF DISCHARGE: FLOW ENTIRELY REGULATED BY TAINTOR GATE SETTING AND VALVE DISCHARGE AT SAN GABRIEL DAM NO. 1. 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. PUBLISHED HEREWITH ARE RECORDS OF DIVERSION TO THE AZUSA CONDUIT FROM MORRIS DAM FOR 1950-51. THIS RECORD, TOGETHER WITH STATION 220-R, COMPLETE THE RECORDS OF ANNUAL DIVERSION THROUGH THE CONDUIT.

DISCHARGE MEASUREMENTS OF SAN GABRIEL-AZUSA CONDUIT

AT NEAR Garcia Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 50

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
556	10-7	0918 / 0940	MIDDLETON	4.6	9.44	3.73	2.07	35.2		.2/.8	10	0	FC29
557	10-14	0905 / 0927	"	4.6	9.35	3.75	2.05	35.1		.2/.8	10	0	"
558	10-20	0855 / 0918	"	4.6	9.30	3.76	2.04	35.0		.2/.8	10	0	"
559	10-27	0915 / 0937	"	4.6	9.27	3.74	2.03	34.7		.2/.8	10	0	"
560	11-4	0902 / 0925	"	4.6	9.39	3.76	2.06	35.3		.2/.8	10	0	"
561	11-14	0942 / 1003	"	4.6	9.40	3.71	2.06	34.9		.2/.8	10	0	"
562	11-17	0910 / 0932	"	4.6	13.5	4.07	2.96	55.0		.2/.8	10	0	"
563	12-2	0928 / 0950	"	4.6	12.7	4.00	2.78	50.8		.2/.8	10	0	"
564	12-9	1002 / 1024	"	4.6	6.46	3.13	1.42	20.2		.2/.8	10	0	"
565	12-15	0914 / 0936	"	4.6	6.46	3.19	1.42	20.6		.2/.8	10	0	"
566	12-22	0923 / 0945	"	4.6	19.1	4.22	4.16	80.6		.2/.8	10	0	"
567	12-29	1425 / 1447	"	4.6	10.8	3.71	2.36	40.1		.2/.8	10	0	"
568	1-6	1113 / 1135	"	4.6	10.9	3.68	2.38	40.1		.2/.8	10	0	"
569	1-13	1315 / 1334	"	4.6	11.0	3.70	2.40	40.7		.2/.8	10	0	"
570	1-20	1336 / 1358	"	4.6	11.0	3.69	2.40	40.6		.2/.8	10	0	"
571	1-27	0854 / 0915	"	4.6	11.0	3.66	2.41	40.3		.2/.8	10	0	FC26
572	2-3	1015 / 1050	"	4.6	11.0	3.65	2.40	40.1		.2/.8	10	0	"
573	2-16	0920 / 0942	"	4.6	15.1	4.04	3.30	61.0		.2/.8	10	0	"
574	2-24	0902 / 0924	"	4.6	15.8	4.09	3.46	64.7		.2/.8	10	0	"
575	3-3	0910 / 0932	"	4.6	12.8	3.91	2.79	50.1		.2/.8	10	0	"
576	3-9	0930 / 0953	"	4.6	12.8	3.92	2.79	50.2		.2/.8	10	0	"
577	3-17	0918 / 0940	"	4.6	10.6	3.79	2.33	40.2		.2/.8	10	0	"
578	3-24	0900 / 0923	"	4.6	10.6	3.77	2.33	40.0		.2/.8	10	0	"
579	3-31	0925 / 0946	"	4.6	7.46	3.38	1.64	25.2		.2/.8	10	0	"
580	4-7	0853 / 0915	"	4.6	7.60	3.36	1.65	25.5		.2/.8	10	0	"
581	4-14	0925 / 0947	"	4.6	8.44	3.54	1.85	29.9		.2/.8	10	0	"
582	4-21	1002 / 1024	"	4.6	8.48	3.51	1.86	29.8		.2/.8	10	0	"
583	4-28	0852 / 0915	"	4.6	8.52	3.53	1.87	30.1		.2/.8	10	0	"
584	5-5	0902 / 0923	"	4.6	8.51	3.55	1.87	30.2		.2/.8	10	0	"
585	5-12	0904 / 0925	"	4.6	8.58	3.52	1.88	30.2		.2/.8	10	0	"
586	5-19	0936 / 0958	"	4.6	8.58	3.57	1.88	30.6		.2/.8	10	0	"
587	5-26	0920 / 0942	"	4.6	8.58	3.55	1.88	30.5		.2/.8	10	0	"
588	6-2	0917 / 0939	"	4.6	8.58	3.57	1.88	30.6		.2/.8	10	0	"
589	6-9	0930 / 0953	"	4.6	8.58	3.52	1.88	30.2		.2/.8	10	0	"
590	6-16	0905 / 0928	LANG	4.6	8.63	3.51	1.87	30.3		.2/.8	10	0	FC12
591	6-23	1000 / 1027	"	4.6	9.57	3.58	2.09	34.3		.2/.8	10	0	"
592	6-30	0918 / 0940	MIDDLETON	4.6	9.50	3.69	2.08	35.1		.2/.8	10	0	FC26
593	7-7	0920 / 0943	"	4.6	9.50	3.68	2.08	35.0		.2/.8	10	0	"
594	7-17	0950 / 1012	"	4.6	9.61	3.65	2.11	35.1		.2/.8	10	0	"
595	7-21	0950 / 1012	"	4.6	9.61	3.66	2.11	35.2		.2/.8	10	0	"
596	7-28	0935 / 1000	LANG	4.6	9.73	3.65	2.12	35.5		.2/.8	10	0	FC12
597	8-14	0855 / 0917	MIDDLETON	4.6	9.58	3.64	2.10	34.9		.2/.8	10	0	FC26
598	8-21	0900 / 0923	"	4.6	9.58	3.61	2.10	34.6		.2/.8	10	0	"
599	8-25	0903 / 0925	"	4.6	9.56	3.61	2.10	34.6		.2/.8	10	0	"
600	9-1	0918 / 0940	"	4.6	9.54	3.64	2.09	34.7		.2/.8	10	0	"
601	9-8	0900 / 0922	"	4.6	9.62	3.65	2.11	35.1		.2/.8	10	-.01	"
602	9-15	0855 / 0918	"	4.6	9.58	3.68	2.10	35.3		.2/.8	10	0	"
603	9-22	0912 / 0934	"	4.6	9.53	3.69	2.09	35.2		.2/.8	10	0	"
604	9-29	0910 / 0932	"	4.6	9.50	3.71	2.08	35.2		.2/.8	10	0	"

DISCHARGE MEASUREMENTS OF SAN GABRIEL – AZUSA CONDUIT

AT NEAR Garcia Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 51

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION 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	10-6	0812 / 0933	MIDDLETON	4.6	9.34	3.70	2.05	34.6		.2 / .87	11	0	FC26
606	10-13	0915 / 0938	"	4.6	9.63	3.70	2.11	35.6		.2 / .87	11	0	"
607	10-19	0858 / 0920	"	4.6	9.46	3.70	2.07	35.0		.2 / .87	11	0	"
608	10-27	1002 / 1024	"	4.6	9.58	3.68	2.10	35.3		.2 / .87	11	0	"
609	11-3	0913 / 0935	"	4.6	9.44	3.69	2.07	34.8		.2 / .87	11	0	"
610	11-10	0919 / 0941	"	4.6	9.53	3.65	2.09	34.8		.2 / .87	11	0	"
611	11-13	0940 / 1002	"	4.6	4.34	2.26	0.96	9.8		.2 / .87	11	0	"
612	11-17	0916 / 0938	"	4.6	5.54	2.87	1.22	15.9		.2 / .87	11	0	"
613	11-24	1000 / 1017	"	4.6	4.63	2.68	1.08	12.4		.6	11	0	"
614	12-1	0900 / 0922	"	4.6	6.63	3.06	1.46	20.3		.2 / .87	11	0	"
615	12-8	1007 / 1021	"	4.6	4.28	2.38	0.95	10.2		.6	11	0	"
616	12-15	0930 / 0944	"	4.6	4.34	2.35	0.96	10.2		.6	11	0	"
617	12-21	1018 / 1040	"	4.6	5.26	2.66	1.16	14.0		.2 / .87	11	0	"
618	12-29	0920 / 0942	"	4.6	5.26	2.64	1.16	13.9		.2 / .87	11	0	"
619	1-5	1255 / 1318	"	4.6	5.22	2.62	1.15	13.7		.2 / .87	11	0	"
620	1-12	1312 / 1333	"	4.6	5.26	2.62	1.16	13.8		.2 / .85	11	0	"
621	1-19	1215 / 1236	"	4.6	5.30	2.64	1.17	14.0		.2 / .83	11	0	"
622	1-25	0915 / 0937	"	4.6	5.21	2.65	1.15	13.8		.2 / .83	11	0	"
623	2-2	0945 / 1007	"	4.6	5.37	2.68	1.19	14.4		.2 / .83	11	0	"
624	2-9	0958 / 1020	"	4.6	5.33	2.68	1.18	14.3		.2 / .83	11	0	"
625	2-16	0910 / 0932	"	4.6	5.45	2.64	1.20	14.4		.2 / .83	11	0	"
626	2-23	1020 / 1042	"	4.6	5.26	2.64	1.16	13.9		.2 / .83	11	0	"
627	3-2	1004 / 1026	"	4.6	5.36	2.65	1.17	14.2		.2 / .83	11	0	"
628	3-9	0919 / 0941	"	4.6	5.22	2.57	1.15	13.4		.2 / .83	11	0	"
629	3-15	0910 / 0934	"	4.6	14.8	4.08	3.23	60.4		.2 / .87	11	0	"
630	3-16	0940 / 1003	"	4.6	18.9	4.25	4.12	80.3		.2 / .87	11	0	"
631	3-21	0900 / 0927	"	4.6	5.12	2.70	1.13	13.8		.2 / .87	11	0	"
632	3-30	0855 / 0920	"	4.6	6.58	3.15	1.45	20.7		.2 / .87	11	0	"
633	4-4	0903 / 0925	"	4.6	6.58	3.15	1.45	20.7		.2 / .87	11	0	"
634	4-13	0920 / 0943	"	4.6	7.46	3.28	1.64	24.5		.2 / .87	11	0	"
635	4-19	0900 / 0922	"	4.6	6.05	2.96	1.33	17.9		.2 / .87	11	0	"
636	4-22	0918 / 0940	"	4.6	6.09	3.00	1.34	18.3		.2 / .87	11	0	"
637	4-25	1335 / 1357	MIDDLETON-THOMAS	4.6	7.97	3.29	1.75	26.2		.2 / .87	11	0	"

Y. C. Dist. Form 32 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F220R

Daily discharge, in second-feet of SAN GABRIEL – AZUSA CONDUIT near Garcia Canyon for the year ending September 30, 19 50

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	35	35	47	40	40	64	25	30	31	35	35	35
2	35	35	51	40	40	58	25	30	31	35	35	35
3	35	35	51	40	40	50	25	30	31	35	35	34
4	35	35	51	40	40	50	26	30	31	35	35	34
5	35	35	29	40	40	50	26	30	31	35	35	35
6	35	35	19	40	40	50	26	30	31	35	35	35
7	35	35	20	40	56	50	26	30	31	35	35	35
8	35	35	20	40	62	50	26	30	31	35	35	35
9	35	35	20	40	55	50	26	30	31	35	35	35
10	35	35	20	63	40	50	26	30	31	35	35	35
11	35	35	20	49	51	50	26	30	31	35	35	35
12	35	35	20	68	60	50	26	30	31	34	35	35
13	35	35	20	57	61	45	26	30	31	34	35	35
14	35	35	20	41	61	40	28	30	30	35	35	35
15	35	41	20	41	61	40	30	30	30	35	35	35
16	35	51	20	33	61	40	30	31	30	35	35	35
17	35	55	20	28	60	40	30	31	30	35	35	35
18	35	55	20	50	60	40	30	31	30	35	35	35
19	35	55	49	73	60	40	30	31	30	35	35	35
20	35	55	80	62	54	40	30	31	30	35	35	35
21	35	55	81	40	40	40	30	31	30	35	35	35
22	35	55	64	40	46	40	30	31	31	35	35	35
23	35	54	40	40	63	40	30	31	33	35	35	35
24	35	49	40	40	65	40	30	31	34	35	35	36
25	35	47	40	40	65	40	30	31	34	35	35	35
26	35	47	40	40	65	40	30	31	35	35	35	35
27	35	46	40	40	64	40	30	31	35	35	35	35
28	34	46	40	40	64	40	30	31	35	35	35	35
29	34	43	40	40		25	30	31	35	35	35	35
30	34	40	40	40		26	29	31	35	36	35	35
31	34		40	40		25		31		36	35	
	1081	1284	1122	1365	1534	1343	842	946	950	1085	1085	1049
MEAN	34.9	42.8	36.2	44.0	54.8	43.3	28.1	30.5	31.7	35.0	35.0	35.0
ACRE-FEET	2140.	2550.	2230.	2710.	3040.	2660.	1670.	1880.	1880.	2150.	2150.	2080.

YEAR OR PERIOD MEAN 37.5
ACRE-FEET 27140.

76D74M F. C. Dist. 52 9-50

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, 1951

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	35	35	17.4	14.0	14.5	14.2	21	+	+	+	0	0
2	35	35	19.6	14.0	14.5	14.2	21				0	0
3	35	35	19.3	14.0	14.2	14.2	21				0	0
4	35	35	19.3	14.0	14.2	14.2	21				0	0
5	35	35	15.6	13.8	14.2	14.2	21				0	0
6	35	35	13.2	13.8	14.2	14.2	21				0	0
7	35	35	11.8	13.8	14.2	14.2	21				0	0
8	35	35	10.2	13.8	14.2	13.6	21				0	0
9	35	35	10.2	13.8	14.2	13.4	22				0	0
10	34	35	10.2	13.8	14.5	13.4	25				0	0
11	34	35	10.2	13.8	14.7	13.4	25				0	0
12	34	18.5	10.2	13.8	14.7	16.5	25				0	0
13	35	9.9	10.2	13.8	14.2	30	25				0	0
14	35	9.9	10.1	13.8	14.2	50	25				0	0
15	35	9.9	10.1	13.8	14.2	70	25				0	0
16	35	14.0	10.1	13.8	14.5	49	24				0	0
17	35	16.0	10.1	13.8	14.5	13.8	20				0	0
18	35	16.0	11.3	14.0	14.7	13.8	17.9				0	0
19	35	17.7	13.4	14.0	14.7	13.8	17.9				0	0
20	35	20	13.4	14.0	14.7	13.8	17.9				0	0
21	35	20	13.8	14.0	14.7	13.8	17.5				0	0
22	35	20	14.0	14.0	14.7	13.6	17.7				0	0
23	35	20	14.0	13.8	14.2	13.6	17.9				0	0
24	35	15.0	14.0	13.8	14.0	18.2	18.2				0	0
25	35	12.4	14.0	13.8	14.0	21	22			+	0	0
26	35	12.4	14.0	13.8	14.0	21	26			0	0	0
27	35	12.4	14.0	14.0	14.0	21	10.8			0	0	0
28	35	12.4	14.0	14.2	14.2	21	+			0	0	0
29	35	12.4	14.0	14.2		21	+			0	0	0
30	35	12.6	14.0	14.5		21	+		+	0	0	0
31	35		14.0	14.5		21		+		0	0	
	1082	665.5	409.7	432.0	401.8	630.1	567.8	+	+	+	0	0
MEAN	34.9	22.2	13.2	13.9	14.4	30.3	18.9	+	+	+	0	0
ACRE-FEET	2150.	1320.	813.	857.	797.	1250.	1130.	+	+	+	0	0

Remarks: + = 0.05 c.f.s. or less

YEAR OR PERIOD MEAN 11.5
ACRE-FEET 8310.

76D74M F. C. Dist. 52 9-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No.

Daily discharge, in second-feet of SAN GABRIEL - AZUSA CONDUIT from storage at Morris Dam, for the year ending September 30, 1951

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1
2	0	0	0	0	0	0	0	0	0.2	0.1	0.1	0.1
3	0	0	0	0	0	0	0	0	0.1	0.2	0.2	0.1
4	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.2
5	0	0	0	0	0	0	0	0	0.2	0.1	0.1	0.1
6	0	0	0	0	0	0	0	0	0.1	0.2	0.2	0.1
7	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.2
8	0	0	0	0	0	0	0	0	0.2	0.1	0.1	0.1
9	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1
10	0	0	0	0	0	0	0	0	0.1	0.2	0.2	0.2
11	0	0	0	0	0	0	0	0	0.2	0.1	0.1	0.1
12	0	0	0	0	0	0	0	0	0.1	0.1	0.2	0.1
13	0	0	0	0	0	0	0	0	0.1	0.2	0.1	0.2
14	0	0	0	0	0	0	0	0	0.2	0.1	0.1	0.1
15	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1
16	0	0	0	0	0	0	0	0.1	0.1	0.2	0.2	0.2
17	0	0	0	0	0	0	0	0.1	0.2	0.1	0.1	0.1
18	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1
19	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1
20	0	0	0	0	0	0	0	0.2	0.2	0.2	0.2	0.2
21	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1
22	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1
23	0	0	0	0	0	0	0	0.2	0.2	0.2	0.1	0.1
24	0	0	0	0	0	0	0	0.1	0.1	0.1	0.2	0.2
25	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1
26	0	0	0	0	0	0	0	0.2	0.2	0.2	0.2	0.1
27	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.2
28	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1
29	0	0	0	0		0	0	0.1	0.2	0.1	0.1	0.1
30	0	0	0	0		0	0	0.2	0.1	0.2	0.1	0.2
31	0		0	0		0		0.1		0.1	0.2	
	0	0	0	0	0	0	0	2.0	4.0	4.0	4.0	3.9
MEAN								.065	.133	.129	.129	0.13
ACRE-FEET								4.0	7.9	7.9	7.9	7.7

Remarks:

YEAR OR PERIOD MEAN .049
ACRE-FEET 35.

STATION U8-R

SAN GABRIEL RIVER below Morris Dam

LOCATION: WATER-STAGE RECORDER. LAT. 34°10'10". LONG. 117°53'16", IN SW 1/4 SEC. 13, T. 1, N., R. 10 W., 1 MILE DOWNSTREAM FROM MORRIS DAM AND 3 MILES NORTHEAST OF AZUSA. ALTITUDE OF GAGE 867.59 FEET.

DRAINAGE AREA: 211 SQUARE MILES.

RECORDS AVAILABLE: 1894 TO SEPTEMBER 1951.

AVERAGE DISCHARGE:
1896-1950
54 YEARS, 111, SECOND-FEET.
1895-1950
55 YEARS, 160 SECOND-FEET. AVERAGE COMBINED DISCHARGE OF RIVER AND DIVERSIONS - ADJUSTED FOR STORAGE AND EVAPORATION IN MORRIS RESERVOIR AND SAN GABRIEL RIVER FLOOD CONTROL RESERVOIRS 1 AND 2.
1896-1951
55 YEARS, 109, SECOND-FEET.
1895-1951
56 YEARS, 158, SECOND-FEET, AVERAGE COMBINED DISCHARGE OF RIVER AND DIVERSIONS - ADJUSTED FOR STORAGE AND EVAPORATION IN MORRIS RESERVOIR AND SAN GABRIEL RIVER FLOOD CONTROL RESERVOIRS 1 AND 2.

EXTREMES OF DISCHARGE:
1949-1950
MAXIMUM DISCHARGE DURING YEAR, 8.2 SECOND-FEET, JULY 31, AUGUST 1, (GAGE HEIGHT, 5.17 FEET).
MINIMUM DAILY, NO FLOW MOST OF YEAR.
1950-1951
MAXIMUM DISCHARGE 168, SECOND-FEET, APRIL 27, (GAGE HEIGHT, 6.20 FEET).
MINIMUM NO FLOW MOST OF YEAR.
1894-1951
MAXIMUM DISCHARGE, 65,700 SECOND-FEET, MARCH 2, 1938. BY COMPUTATION OF FLOW OVER SPILLWAY AT MORRIS DAM.
NO FLOW FOR SEVERAL MONTHS IN EACH YEAR, 1894-1936, 1940, AND 1941-1947.

REMARKS: RECORDS GOOD. FLOW REGULATED BY SAN GABRIEL FLOOD CONTROL RESERVOIRS 1 AND 2, 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 4,360 ACRE FEET OF COLORADO RIVER WATER INTO SAN GABRIEL RIVER BELOW MORRIS DAM AND ABOVE STATION DURING PERIOD APRIL THROUGH SEPTEMBER.

COOPERATION: RECORDS FURNISHED BY THE UNITED STATES GEOLOGICAL SURVEY, WITH THE EXCEPTION OF 25 MEASUREMENTS FURNISHED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT IN COOPERATION WITH THE UNITED STATES GEOLOGICAL SURVEY.

NORMAL UNREGULATED FLOW: COMBINED RUNOFF OF RIVER AND AZUSA CANAL, ADJUSTED FOR STORAGE AND EVAPORATION IN MORRIS RESERVOIR AND SAN GABRIEL RIVER FLOOD CONTROL RESERVOIRS 1 AND 2 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	1949-50 A.F.	1950-51 A.F.
OCTOBER	811	640
NOVEMBER	1,670	764
DECEMBER	3,390	898
JANUARY	3,730	1,240
FEBRUARY	6,010	1,150
MARCH	3,360	1,360
APRIL	3,590	1,500
MAY	2,340	1,410
JUNE	1,310	647
JULY	801	313
AUGUST	607	227
SEPTEMBER	603	142
TOTALS	28,220 A.F.	10,490 A.F.

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER

below Morris Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 50

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
2035	7-30		U.S.G.S.	12.0	7.60	0.84	5.16	6.42		.6	25	0	
2036	7-31		"	22.9	15.0	0.56	5.17	8.42		.6	41	+.01	
2036A	7-31	1510 / 1537	MOON	13.0	8.74	0.92	5.16	8.00		.6	13	0	FC22
2037	8-1		U.S.G.S.	24.0	20.6	0.44	5.15	9.05		.5 / .6	31	-.03	
2038	8-3	1432 / 1439	MOON	1.0	0.32	0.72	4.34	0.23		.5	4	-.02	FC48H

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER

below Morris Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 51

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
2039	10-17		USGS	32.5	25.3	0.75	5.34	19.1		.5 / .6	28	+0.02	
2040	10-17		"	32.5	26.0	0.78	5.36	20.4		.6	27	+ .01	
2041	10-18		"	32.0	27.6	0.89	5.45	24.8		.6	27	0	
2042	10-18	0924 / 0946	MOON	23.0	26.6	0.88	5.45	23.3		.6	15		FC22
2043	10-18		USGS	32.0	20.8	0.56	5.26	11.4		.6	26	- .05	
2044	10-18		"	22.0	19.2	0.47	5.20	9.12		.6	18	- .06	
2045	10-18		"	23.0	16.6	0.32	5.07	5.32		.6	24	- .02	
2046	10-19	1055 / 1102	MOON	2.0	0.76	0.92	4.78	0.70		.5	6	0	FC48H
2047	4-24		USGS	52.0	47.2	2.34	5.97	110		.2 / .6 / .8	38	+ .01	
2048	4-24		"	38.0	55.6	2.00	5.97	111		.2 / .6 / .8	32	- .06	
2049	4-24		"	25.0	31.2	1.14	5.57	35.6		.6	20	- .07	
2050	4-26	1350 / 1400	MOON	11.3	6.42	1.12	5.16	7.2		.6	8		FC22
2051	4-30	1455 / 1507	"	11.0	6.61	1.68	5.24	11.1		.6	9	0	"
2052	5-3	1240 / 1257	"	13.0	8.89	0.96	5.19	8.5		.6	13	0	"
2053	5-11		USGS	25.0	20.5	0.41	5.20	8.35		.6	26	0	
2054	5-14	1319 / 1335	MOON	12.0	8.90	0.93	5.20	8.3		.6	13	0	FC22
2055	5-16	1455 / 1512	MOON - KASIMOFF	23.0	24.8	0.73	5.40	18.0		.6	14	0	FC48H
2056	5-24	1335 / 1350	MOON	13.0	11.6	1.59	5.41	18.4		.6	14	0	FC22
2057	5-28	1145 / 1200	"	13.0	10.4	1.80	5.41	18.7		.6	13	0	"
2058	5-28		USGS	24.0	25.7	0.82	5.41	21.0		.6	17		
2059	6-4	1050 / 1105	MOON	13.0	11.6	1.55	5.40	18.0		.6	14		FC22
2060	6-8	1010 / 1025	"	13.0	11.7	1.65	5.41	19.3		.6	14		"
2061	6-11	1100 / 1120	"	13.0	12.3	1.46	5.40	18.0		.6	14		"
2062	6-14		USGS	24.3	26.9	0.82	5.44	22.2		.6	27	+ .02	
2063	6-14		"		CHANNELS		5.45	22.0		.6		- .01	
2064	6-18	1543 / 1605	KASIMOFF - MOON	13.0	12.4	1.39	5.39	17.2		.6	15	- .01	FC22
2065	6-21	1254 / 1314	MOON	13.0	12.2	1.49	5.39	18.2		.6	14	0	"
2066	6-25	1150 / 1210	"	13.0	12.8	1.58	5.42	20.2		.6	13	0	"
2067	6-28	1409 / 1425	"	13.3	13.4	1.40	5.42	18.7		.6	15	0	"
2068	7-2		USGS		CHANNELS		5.44	21.2		.6	17	0	
2069	7-2	1536 / 1604	KASIMOFF	23.8	29.9	0.78	5.44	23.2		.6	14	0	FC22
2070	7-2	1615 / 1632	"	13.5	13.9	1.58	5.44	22.0		.6	14		"
2071	7-12	1332 / 1354	"	13.1	14.5	1.48	5.44	21.5		.6	15		FC47
2072	7-17		USGS	24.0	24.4	0.94	5.44	23.0		.6	13	0	
2073	7-19	1248 / 1305	MOON - LANG	13.0	13.1	1.73	5.44	22.7		.6	14		FC22
2074	8-1		USGS	13.0			5.43	20.2		CHANNELS		0	
2075	8-2	1535 / 1550	MOON	13.0	13.6	1.66	5.44	22.6		.6	14		FC22
2076	8-14		USGS	26.0	25.5	0.90	5.43	22.9		.6	21	0	
2077	8-15	1445 / 1504	MOON	13.0	13.6	1.62	5.43	22.0		.6	14		FC22
2078	8-31		USGS	24.0	24.4	0.89	5.42	23.1		.6	15	0	
2079	9-11		"	23.0	26.0	0.75	5.42	19.5		.6	17	0	
2080	9-25		"	24.0	25.9	0.80	5.40	20.8		.6	25	0	
2081	9-27	1410 / 1427	MOON	13.0	13.6	1.60	5.40	21.8		.6	14	.0	FC22

76D74M F. C. Dist. 52 9-50

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, 1950

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	0	0	0	7.2	0
2	0	0	0	0	0	0	0	0	0	0	1.7	0
3	0	0	0	0	0	0	0	0	0	0	0.4	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0		0	0	0	0	1.3	0	0
30	0	0	0	0		0	0	0	0	7.2	0	0
31	0		0	0		0		0		7.9	0	
	0	0	0	0	0	0	0	0	0	16.4	9.3	0
MEAN	0	0	0	0	0	0	0	0	0	0.53	0.30	0
ACRE-FEET	0	0	0	0	0	0	0	0	0	33.	18.	0

Remarks:

YEAR OR PERIOD MEAN 0.07
ACRE-FEET 51.

76D74M F. C. Dist. 52 9-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U8-R

Daily discharge, in second-feet of SA. GABRIEL RIVER below Morris Dam, for the year ending September 30, 1951

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	11	19	21	21	20
2	0	0	0	0	0	0	0	10	19	22	22	20
3	0	0	0	0	0	0	0	8.5	18	22	23	20
4	0	0	0	0	0	0	0	7.9	19	22	22	20
5	0	0	0	0	0	0	0	7.2	19	22	22	20
6	0	0	0	0	0	0	0	7.5	19	22	22	20
7	0	0	0	0	0	0	0	8.5	19	22	22	20
8	0	0	0	0	0	0	0	8.5	20	22	22	20
9	0	0	0	0	0	0	0	8.2	19	22	22	20
10	0	0	0	0	0	0	0	8.5	19	22	22	20
11	0	0	0	0	0	0	0	8.5	19	22	22	20
12	0	0	0	0	0	0	0	8.5	19	22	22	20
13	0	0	0	0	0	0	0	8.5	19	22	22	20
14	0	0	0	0	0	0	0	8.5	20	22	22	20
15	0	0	0	0	0	0	0	8.5	19	22	22	20
16	0.2	0	0	0	0	0	0	15	19	22	22	20
17	20	0	0	0	0	0	0	19	19	22	22	20
18	15	0	0	0	0	0	0	19	19	22	22	20
19	1.6	0	0	0	0	0	0	19	19	22	22	20
20	0.3	0	0	0	0	0	0	19	19	22	22	20
21	0	0	0	0	0	0	0	20	19	22	22	20
22	0	0	0	0	0	0	0.7	20	20	22	22	21
23	0	0	0	0	0	0	47	20	21	21	21	21
24	0	0	0	0	0	0	8.9	20	21	21	21	21
25	0	0	0	0	0	0	7.5	19	21	21	21	21
26	0	0	0	0	0	0	24	19	20	21	21	21
27	0	0	0	0	0	0	20	18	20	21	21	22
28	0	0	0	0	0	0	13	20	20	21	21	22
29	0	0	0	0	0	0	11	20	20	21	21	22
30	0	0	0	0	0	0		19	20	21	21	22
31	0		0	0		0		19		21	20	
	37.1	0	0	0	0	0	132.1	433.3	582.0	672.0	672.0	613.0
MEAN	1.20	0	0	0	0	0	4.40	14.0	19.4	21.7	21.7	20.4
ACRE-FEET	74.	0	0	0	0	0	262.	859.	1150.	1330.	1330.	1220.

Remarks:

YEAR OR PERIOD MEAN 8.61
ACRE-FEET 6220.

STATION S100A-R

SAN GABRIEL-AZUSA DUARTE TUNNEL DIVERSION at Mouth of Canyon

LOCATION: WATER-STAGE RECORDER, LAT. 34°09'33", LONG. 117°54'27", AT WEIR BOX AT THE DOWNSTREAM PORTAL OF THE AZUSA-DUARTE TUNNEL ABOUT 250 FEET SOUTH OF THE CANYON ROAD AT THE MOUTH OF SAN GABRIEL CANYON. ELEVATION OF GAGE, ABOUT 750 FEET.

GENERAL: THIS STATION MEASURES ALL FLOW DIVERTED BY THE SAN GABRIEL WATER COMMITTEE AT THE MOUTH OF SAN GABRIEL CANYON.

CHANNEL AND CONTROL: CONCRETE WEIR BOX WITH BROAD-CRESTED WEIRS. THESE WEIRS 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 AND SAN GABRIEL DAMS NOS. 1 AND 2. 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, 509 AZUSA AVENUE, AZUSA.

ACCURACY: EXCELLENT.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE SAN GABRIEL RIVER WATER COMMITTEE.

REMARKS: THESE RECORDS WERE FURNISHED BY MR. MORGAN PEIRCE, WATER MASTER OF THE SAN GABRIEL RIVER WATER COMMITTEE, PUBLISHED HEREWITH ARE THE RECORDS FROM OCTOBER 1, 1949 TO SEPTEMBER 30, 1951. 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 Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 51

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
136	4-30	1247 / 1257	MOON	TWO CHANNELS			0.31	4.7		.5	13	0	FC22
137	5-2	1200 / 1245	LINDSAY	5.0	9.67	0.75	0.36	7.3		.2 / .8	8	0	FC40
138	5-3	1120 / 1130	MOON - JONES	TWO CHANNELS			0.29	4.4		.5	13	0	FC22
139	5-7	1317 / 1327	"	5.0	9.44	0.63	0.29	6.0		.2 / .8	6	0	"
140	5-10	1300 / 1310	MOON	5.0	9.38	0.62	0.29	5.8		.2 / .8	6	0	"
141	5-14	1045 / 1110	MOON - JONES	5.0	9.29	0.56	0.28	5.2		.2 / .8	8	0	FC48H
142	5-17	1253 / 1340	"	5.0	10.9	1.47	0.56	16.0		.2 / .8	8	0	"
143	5-21	1100 / 1130	MOON	5.9	12.9	1.31	0.56	16.9		.2 / .8	7	0	"
144	5-21	1235 / 1255	"	TWO CHANNELS			0.56	16.6		.6	15	0	FC22
145	5-24	1155 / 1215	"	"	"		0.57	17.1		.6	15	0	"
146	5-28	1020 / 1045	MOON - JONES	10.0	8.46	2.01	0.57	17.0		.6	15	0	"
147	5-31	1312 / 1338	MOON	5.0	10.8	1.48	0.57	16.0		.2 / .8	8	0	FC48H
148	6-4	0925 / 0945	MOON - JONES	10.0	6.26	2.67	0.57	16.7		.6	15	0	FC22
149	6-7	1042 / 1100	MOON	TWO CHANNELS			0.60	17.9		.6	0	0	"
150	6-8	0830 / 0850	"	"	"		0.61	18.6		.6	15	0	"
151	6-11	0825 / 0845	"	"	"		0.61	17.9		.6	16	0	"
152	6-14	0825 / 0855	MOON - LINDSAY	"	"		0.61	17.2		.2 / .8	8	0	FC48H
153	6-25	1000 / 1020	MOON - JONES	5.0	11.4	1.75	0.66	20.0		.2 / .8	8	0	FC22
154	6-28	1458 / 1514	MOON - KASIMOFF	5.0	11.3	1.67	0.66	18.9		.2 / .8	8	0	"
155	7-5	1657 / 1725	"	5.2	11.3	1.71	0.68	19.3		.2 / .8	9	0	FC47
156	7-12	1502 / 1526	"	5.1	11.2	1.71	0.69	19.2		.2 / .6 / .8	9	0	"
157	7-19	1110 / 1128	MOON - LANG	5.0	11.4	1.84	0.71	21.0		.2 / .8	7	0	FC22
158	7-19	1145 / 1208	"	TWO CHANNELS			0.71	22.5		.6	19	0	"
159	7-26	1325 / 1345	MOON	"	"		0.66	20.4		.6	17	0	"
160	8-9	1250 / 1310	"	"	"		0.66	20.5		.6	17	0	"
161	8-16	1320 / 1340	MOON - JONES	"	"		0.66	20.4		.6	16	0	"
162	8-23	1530 / 1550	MOON	"	"		0.65	20.5		.6	16	0	"
163	9-7	1405 / 1430	MOON - JONES	"	"		0.64	20.5		.6	16	0	"
164	9-20	1540 / 1600	MOON	"	"		0.65	19.3		.6	16	0	"

DISCHARGE MEASUREMENTS OF OLD DUARTE DITCH STATION NO. S100B-R

below Headgate DURING THE YEAR ENDING SEPTEMBER 30, 19 51

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
49	5-14	0900 / 0912	MOON	4.2	1.43	1.19		1.7		.5	7		FC48H
50	5-21	0952 / 1002	"	4.2	2.24	2.05		4.6		.5	7		FC22
51	6-11	0830 / 0840	"	4.2	2.12	2.03		4.3		.6	7		"
52	6-25	1035 / 1045	MOON - JONES	4.0	2.68	1.57		4.2		.6	7		"
53	7-3	1508 / 1526	KASIMOFF	6.9	3.92	1.12		4.4		.5 / .6	11		FC48H
54	7-5	1736 / 1752	"	6.9	3.77	1.17		4.4		.5 / .8	10		FC47

DISCHARGE MEASUREMENTS OF EAST SIDE DITCH (AZUSA) STATION NO. S100G-R

~~AT~~ NEAR below Headgate DURING THE YEAR ENDING SEPTEMBER 30, 19 51

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION 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	5-7	1410 / 1420	MOON - JONES	4.0	6.60	0.65		4.3		.6	7		FC22
2	5-14	0959 / 1005	MOON	4.0	6.88	0.55		3.8		.2 / .8	7		FC48H

76D74M F. C. Dist. 52 9-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. S100A-R

Daily discharge, in second-feet of SAN GABRIEL RIVER-AZUSA DUARTE TUNNEL DIVERSION at Mouth of Canyon, for the year ending September 30, 19 51

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	7.0	16.7	19.0	20.8	20.0
2	0	0	0	0	0	0	0	7.6	16.7	20.8	20.8	20.0
3	0	0	0	0	0	0	0	6.2	16.7	20.6	20.8	20.0
4	0	0	0	0	0	0	0	5.2	16.7	20.6	20.8	20.0
5	0	0	0	0	0	0	0	4.6	16.7	20.8	20.8	20.0
6	0	0	0	0	0	0	0	3.8	18.2	20.8	20.8	20.0
7	0	0	0	0	0	0	0	6.0	18.2	20.6	20.8	20.6
8	0	0	0	0	0	0	0	5.8	18.6	20.8	20.8	20.6
9	0	0	0	0	0	0	0	5.8	18.0	20.8	20.8	20.6
10	0	0	0	0	0	0	0	5.8	18.0	20.8	20.8	20.6
11	0	0	0	0	0	0	0	5.8	18.0	20.8	20.8	20.6
12	0	0	0	0	0	0	0	6.0	18.0	20.8	20.8	20.6
13	0	0	0	0	0	0	0	6.0	18.4	20.8	20.8	20.2
14	0	0	0	0	0	0	0	6.0	18.0	20.8	20.8	20.2
15	0	0	0	0	0	0	0	5.8	17.6	20.8	20.8	20.0
16	0	0	0	0	0	0	0	8.2	17.6	20.8	20.8	20.0
17	0	0	0	0	0	0	0	16.2	17.4	20.8	20.8	20.0
18	0	0	0	0	0	0	0	16.2	17.4	21.2	20.8	20.0
19	0	0	0	0	0	0	0	17.0	17.4	21.8	20.6	20.2
20	0	0	0	0	0	0	0	17.0	17.4	22.6	20.8	20.2
21	0	0	0	0	0	0	0	17.0	17.4	22.6	20.8	20.4
22	0	0	0	0	0	0	0	17.0	17.8	22.6	20.8	20.4
23	0	0	0	0	0	0	0	17.0	19.2	21.8	20.8	20.4
24	0	0	0	0	0	0	4.2	17.0	19.2	20.8	20.8	20.4
25	0	0	0	0	0	0	0	16.6	19.4	20.8	20.8	20.4
26	0	0	0	0	0	0	0	16.6	19.4	20.8	20.8	20.4
27	0	0	0	0	0	0	7.2	16.6	19.4	20.8	20.8	20.4
28	0	0	0	0	0	0	10.0	17.0	19.4	20.8	20.8	20.4
29	0	0	0	0		0	9.6	17.0	19.4	20.8	20.8	20.4
30	0	0	0	0		0	7.2	16.6	19.4	20.8	20.0	20.4
31	0		0	0		0		16.6		20.8	20.0	
	0	0	0	0	0	0	37.2	347.2	541.7	650.8	643.2	608.4
MEAN							1.24	11.2	18.1	21.0	20.7	20.3
ACRE-FEET							74.	689.	1070.	1290.	1280.	1210.

Remarks:

YEAR OR PERIOD MEAN 7.75
ACRE-FEET 5610.

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, 1949 TO SEPTEMBER 30, 1951. AN AUXILIARY STILLING WELL IS MAINTAINED ON THE WEST SIDE OF THE CHANNEL.

REGULATION: FLOW PARTIALLY REGULATED BY SAN GABRIEL DAMS NOS. 1 AND 2 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, 1951. (FOR RECORDS PRIOR TO FEBRUARY 22, 1932, SEE DIVISION OF WATER RIGHTS BULLETINS).

EXTREMES OF DISCHARGE:

1949-50
MAXIMUM 192. SECOND-FEET, DECEMBER 18.
MINIMUM NO FLOW MOST OF YEAR.

1950-51
NO FLOW FOR ENTIRE YEAR.

1932-51
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.

F. C. Dist. Form SS 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F190R

Daily discharge, in second-feet of SAN GABRIEL RIVER at Foothill Boulevard, for the year ending September 30, 19 50

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	14	0	0	0	0	0	0	0	0	0
19	0	0	20	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	340	0	0	0	0	0	0	0	0	0
MEAN	0	0	1.10	0	0	0	0	0	0	0	0	0
ACRE-FEET	0	0	67.	0	0	0	0	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN .093
ACRE-FEET 67.0

STATION E231-R

SAN GABRIEL RIVER below Santa Fe Dam

LOCATION: LAT. 34°06'43", LONG. 117°58'07", ON THE LEFT BANK OF STILLING BASIN OUTLET OF SANTA FE DAM, 0.3 MILE NORTH OF ARROW HIGHWAY AND 1.5 MILES NORTH OF BALDWIN PARK. ELEVATION OF GAGE ABOUT 400 FEET.

DRAINAGE AREA: 239 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 MADE ON LIP OF BASIN BELOW GAGE HEIGHT 2.5 FEET. HIGH FLOW MEASUREMENTS MAY BE MADE FROM CABLE CAR 1,000 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, 1949 TO SEPTEMBER 30, 1951.

REGULATION: FLOW PARTIALLY REGULATED BY SAN GABRIEL DAMS NO. 1 AND 2 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.

RECORDS AVAILABLE: RECORDER RECORDS FEBRUARY 9, 1943 TO SEPTEMBER 30, 1951. 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:

1949-50
NO FLOW ENTIRE SEASON.

1950-51
NO FLOW ENTIRE SEASON.

1942-51
MAXIMUM 6,700 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 F261B-R

SAN GABRIEL RIVER at Valley Boulevard

LOCATION: NO WATER-STAGE RECORDER. LAT. 34°03'25", LONG. 118°00'25". GAGE ON THE RIGHT(WEST) ABUTMENT ON THE DOWNSTREAM SIDE OF VALLEY BOULEVARD BRIDGE ABOUT 1.8 MILES SOUTHEAST OF EL MONTE. ELEVATION OF ZERO GAGE HEIGHT. 270.69 FEET.

DRAINAGE AREA: 7.5 SQUARE MILES (EXCLUSIVE OF 231 SQUARE MILES ABOVE SANTA FE DAM).

CHANNEL AND CONTROL: SHIFTING SAND AND GRAVEL. BANKS PROTECTED BY PILING AND WIRE MESH. CHANNEL FORMS CONTROL.

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

RECORDER: INSTALLED MARCH 11, 1937 OVER A 21-INCH DIAMETER CORRUGATED IRON PIPE WELL. A HORIZONTAL RATIONAL RECORDER WAS IN SERVICE FROM OCTOBER 1, 1945 TO APRIL 23, 1946. RECORDER REMOVED IN SUMMER OF 1946. (SEE REMARKS).

REGULATION: FLOW PARTIALLY REGULATED BY SAN GABRIEL DAMS NO. 1 AND 2, MORRIS DAM AND SANTA FE DAM.

DIVERSIONS: THERE ARE ALSO SEVERAL DIVERSIONS FOR IRRIGATION, SPREADING AND POWER DEVELOPMENT.

RECORDS AVAILABLE:
STATION F261-R - MARCH 11, 1937 TO SEPTEMBER 30, 1941.
STATION F261B-R - OCTOBER 1, 1941 TO SEPTEMBER 30, 1951. (SEE REMARKS)

EXTREMES OF DISCHARGE:
1949-50
NO FLOW FOR ENTIRE YEAR.
1950-51
NO FLOW FOR ENTIRE YEAR.
1941-51
MAXIMUM 9400 SECOND-FEET, ESTIMATED, JANUARY 23, 1943.
MINIMUM NO FLOW PART OF SOME YEARS.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT IN COOPERATION WITH THE SAN GABRIEL VALLEY PROTECTIVE ASSOCIATION.

REMARKS: STATION ESTABLISHED PRIMARILY TO DETERMINE PERCOLATION LOSSES IN THE MAIN SAN GABRIEL BASIN. WALNUT CREEK DISCHARGE IS NOT INCLUDED IN THIS RECORD. RECORDER RECORDS WERE DISCONTINUED DUE TO EXTREMELY POOR RATING CONDITIONS. FLOW RECORDS WILL BE INTERPOLATED BETWEEN MEASUREMENTS AND COMPUTED BY COMPARISON. NO FLOW FOR CURRENT SEASONS.

STATION F263-R

SAN GABRIEL RIVER at Beverly Boulevard

LOCATION: WATER-STAGE RECORDER. LAT. 34°00'20", LONG. 118°04'07". ON THE DOWNSTREAM SIDE OF THE BEVERLY BOULEVARD BRIDGE TO NOVEMBER 14, 1947, AT WHICH TIME THE STATION WAS MOVED TO 50 FEET ABOVE BEVERLY BOULEVARD, 0.5 MILE EAST OF PICO. ELEVATION OF ZERO GAGE HEIGHT. 173.00 FEET.

DRAINAGE AREA: 206.5 SQUARE MILES (EXCLUSIVE OF DRAINAGE AREA ABOVE SANTA FE DAM).

CHANNEL AND CONTROL: CHANNEL - SAND AND SILT, CONTROLLED BY DIP CROSSING WITH EIGHT 36-INCH CULVERTS FROM NOVEMBER 14, 1947.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM CABLE CAR 30 FEET ABOVE STATION.

RECORDER: INSTALLED ON FEBRUARY 4, 1937, OVER A 21-INCH DIAMETER CORRUGATED IRON PIPE STILLING WELL. AN AU CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1949 TO SEPTEMBER 30, 1951.

REGULATION: FLOW PARTIALLY REGULATED BY SAN GABRIEL DAMS NO. 1 AND NO. 2. MORRIS DAM, SANTA FE DAM, BIG DALTON DAM, PUDDINGSTONE DIVERSION DAM, PUDDINGSTONE DAM, LIVE OAK DAM, AND THOMPSON CREEK DAM.

DIVERSIONS: THERE ARE SEVERAL DIVERSIONS FOR IRRIGATION, POWER DEVELOPMENT AND SPREADING.

RECORDS AVAILABLE: FEBRUARY 4, 1937 TO SEPTEMBER 30, 1951. (FOR RECORDS PRIOR TO FEBRUARY 4, 1937, SEE STATION F63-R, SAN GABRIEL RIVER AT WHITTIER BLVD. IN PREVIOUS REPORTS. FOR RECORDS PRIOR TO 1929, SEE STATE DIVISION OF WATER RIGHTS BULLETINS V AND VI).

EXTREMES OF DISCHARGE:
1949-50
MAXIMUM 845, SECOND-FEET, FEBRUARY 6.
MINIMUM NO FLOW PART OF YEAR.
1950-51
MAXIMUM 27, SECOND-FEET, JANUARY 30.
MINIMUM NO FLOW PART OF YEAR.
1936-51
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.

REMARKS: STATION MOVED UPSTREAM APPROXIMATELY 150 FEET ON NOVEMBER 26, 1947 TO TEMPORARY LOCATION UNTIL NEW HIGHWAY BRIDGE IS CONSTRUCTED.

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER

AT Beverly Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 19 50

NO.	DATE	BEGIN / END	MADE 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.
617	12-19	0942 / 0957	WADDICOR - PAYNE	TWO CHANNELS			6.38	104.		.6	12	-.05	FC37
618	12-22	1210 / 1230	REINHARD - WADDICOR	21.9	11.0	1.45	4.90	15.9		.6	14	0	"
619	12-29	1043 / 1053	WADDICOR	17.5	9.29	1.42	4.89	13.2		.6	10	0	"
620	1-5	1042 / 1052	"	22.5	10.2	1.51	4.91	15.4		.6	10	0	"
621	1-12	1006 / 1018	WADDICOR - PAYNE	26.0	20.2	1.47	5.33	29.7		.6	9	-.01	"
622	1-19	1040 / 1050	WADDICOR	21.2	13.8	1.58	4.96	21.8		.6	9	0	"
623	1-26	1030 / 1040	"	18.0	13.7	1.57	5.02	21.5		.6	10	0	"
624	2-2	1110 / 1120	"	24.0	14.5	1.40	4.99	20.4		.6	9	0	"
625	2-7	1035 / 1045	WADDICOR - PAYNE	27.0	17.8	1.65	5.16	29.3		.6	8	0	"
626	2-8	1430 / 1440	WADDICOR	26.0	11.0	1.98	4.99	21.8		.6	9	0	"
627	2-9	1040 / 1053	"	17.6	9.50	2.46	5.00	23.4		.6	9	0	"
628	2-16	1045 / 1057	"	18.0	10.2	1.77	5.05	18.1		.6	10	0	"
629	2-23	1110 / 1120	"	18.2	11.8	1.85	5.11	21.8		.6	10	0	"
630	3-2	1325 / 1340	"	20.0	10.9	1.68	5.24	18.3		.6	11	0	"
631	3-9	1035 / 1047	"	20.0	12.8	1.70	5.31	21.8		.6	11	0	"
632	3-16	1030 / 1049	"	18.0	11.2	1.64	5.06	18.4		.6	9	0	"
633	5-4	1102 / 1107	"	4.3	1.02	1.08	4.64	1.1		.5	4	0	"

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER

AT Beverly Boulevard DURING THE YEAR END

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHAR SEC. FT
634	1-19	1248 / 1258	WADDICOR	4.0	1.70	1.76	4.44	3.0
635	1-25	1103 / 1108	"	2.5	0.52	1.36	3.74	0.71
636	1-30	1015 / 1025	WADDICOR-VAN BUREN	23.5	11.5	1.50	4.88	17.3
637	2-1	1310 / 1320	WADDICOR-JORDAN	13.0	6.37	1.35	4.65	8.6
638	2-8	1102 / 1112	WADDICOR	16.0	7.08	1.44	4.75	10.2
639	2-15	1140 / 1156	HOLLERON-WADDICOR	18.5	6.41	1.36	4.80	8.7
640	2-21	1022 / 1032	WADDICOR	7.0	4.56	0.88	4.67	4.0
641	3-1	0908 / 0915	WADDICOR-VAN BUREN	11.5	5.66	1.08	4.70	6.1
642	3-8	1106 / 1112	WADDICOR	10.0	3.81	1.00	4.60	3.8
643	3-15	1020 / 1025	"	3.0	1.08	0.46	3.52	0.50

F. C. Dist. Form 52 4-48

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F283R

Daily discharge, in second-feet of SAN GABRIEL RIVER at Beverly Boulevard, for the year ending September 30, 19 50

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	14	22	16	0	0	0	0	0	0
2	0	0	0	14	20	17	0	0.5	0	0	0	0
3	0	0	0	15	19	18	0	1.4	0	0	0	0
4	0	0	0	16	21	19	0	2.4	0	0	0	0
5	0	0	0	16	22	18	0	1.1	0	0	0	0
6	0	0	0	16	272	19	0	0	0	0	0	0
7	0	0	0	16	33	19	0	0	0	0	0	0
8	0	0	0	18	22	20	0	0	0	0	0	0
9	0	0	0	39	22	20	0	0	0	0	0	0
10	0	0	0	17	27	21	2.8	0	0	0	0	0
11	0	0	0	29	28	20	1.8	0	0	0	0	0
12	0	0	0	58	22	18	2.1	0	0	0	0	0
13	0	0	0	26	20	19	0.9	0	0	0	0	0
14	0	0	0	24	19	18	0	0	0	0	0	0
15	0	0	0	22	18	18	0	0	0	0	0	0
16	0	0	0	22	18	17	0	0	0	0	0	0
17	0	0	0	21	18	8.1	0	0	0	0	0	0
18	0	0	0	20	19	0	0	0	0	0	0	0
19	0	0	31	21	19	0	0	0	0	0	0	0
20	0	0	20	22	18	0	0	0	0	0	0	0
21	0	0	17	23	20	0	0	0	0	0	0	0
22	0	0	16	23	23	0	0	0	0	0	0	0
23	0	0	16	22	23	0	0	0	0	0	0	0
24	0	0	15	21	22	0.7	0	0	0	0	0	0
25	0	0	15	20	21	6.4	0	0	0	0	0	0
26	0	0	14	21	20	0.4	0	0	0	0	0	0
27	0	0	13	22	18	0	0	0	0	0	0	0
28	0	0	13	23	17	0	0	0	0	0	0	0
29	0	0	13	35		0	0	0	0	0	0	0
30	0	0	12	27		0	0	0	0	0	0	0
31	0		12	24		0		0	0	0	0	
	0	0	207.0	707.0	843.0	312.6	7.6	5.4	0	0	0	0
MEAN	0	0	6.68	22.8	30.1	10.1	0.25	0.17	0	0	0	0
ACRE-FEET	0	0	411.	1400.	1670.	620.	15.	11.	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 5.72
ACRE-FEET 4130.

70D14M F. C. Dist. 52 9-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

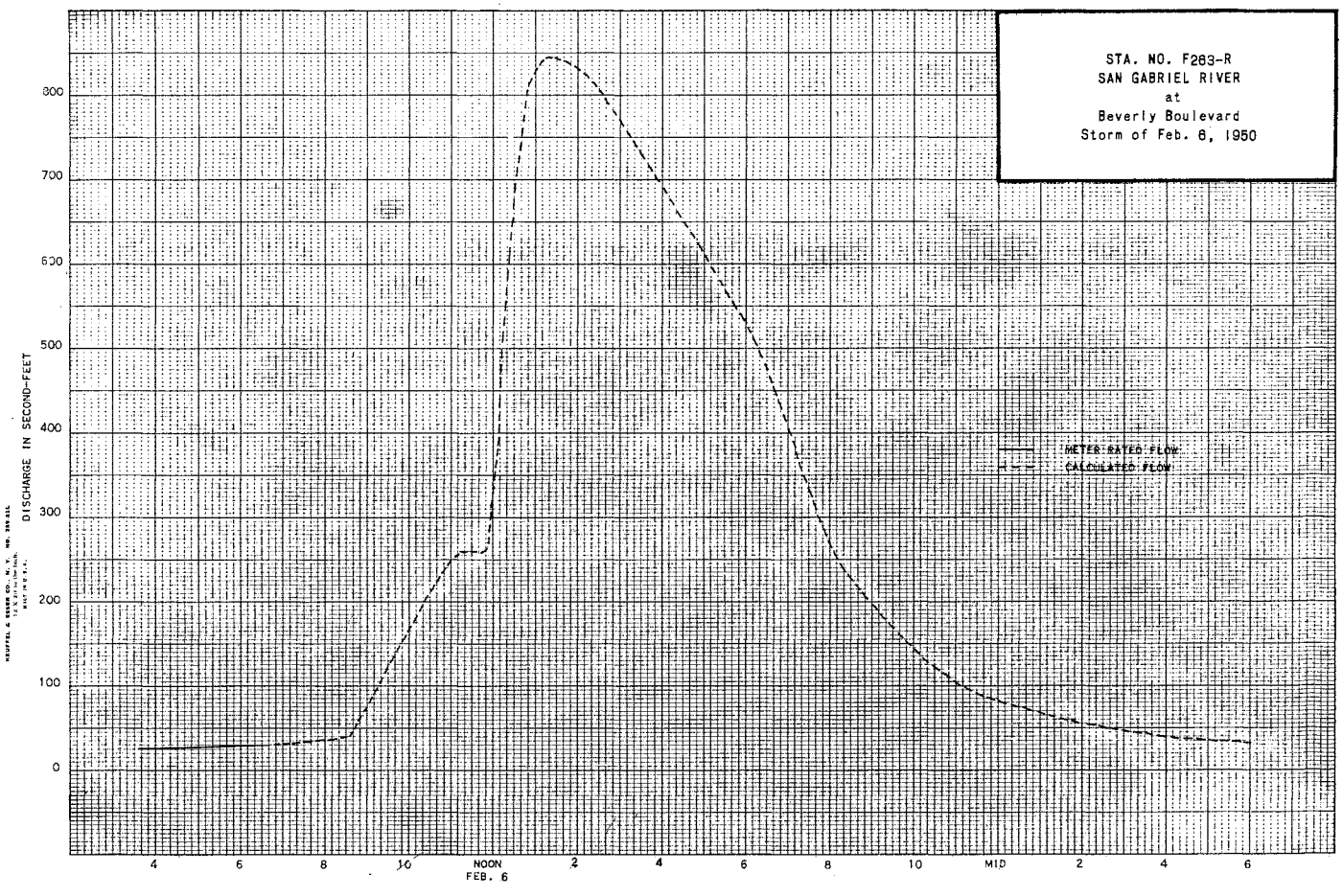
Sta. No. F263-R

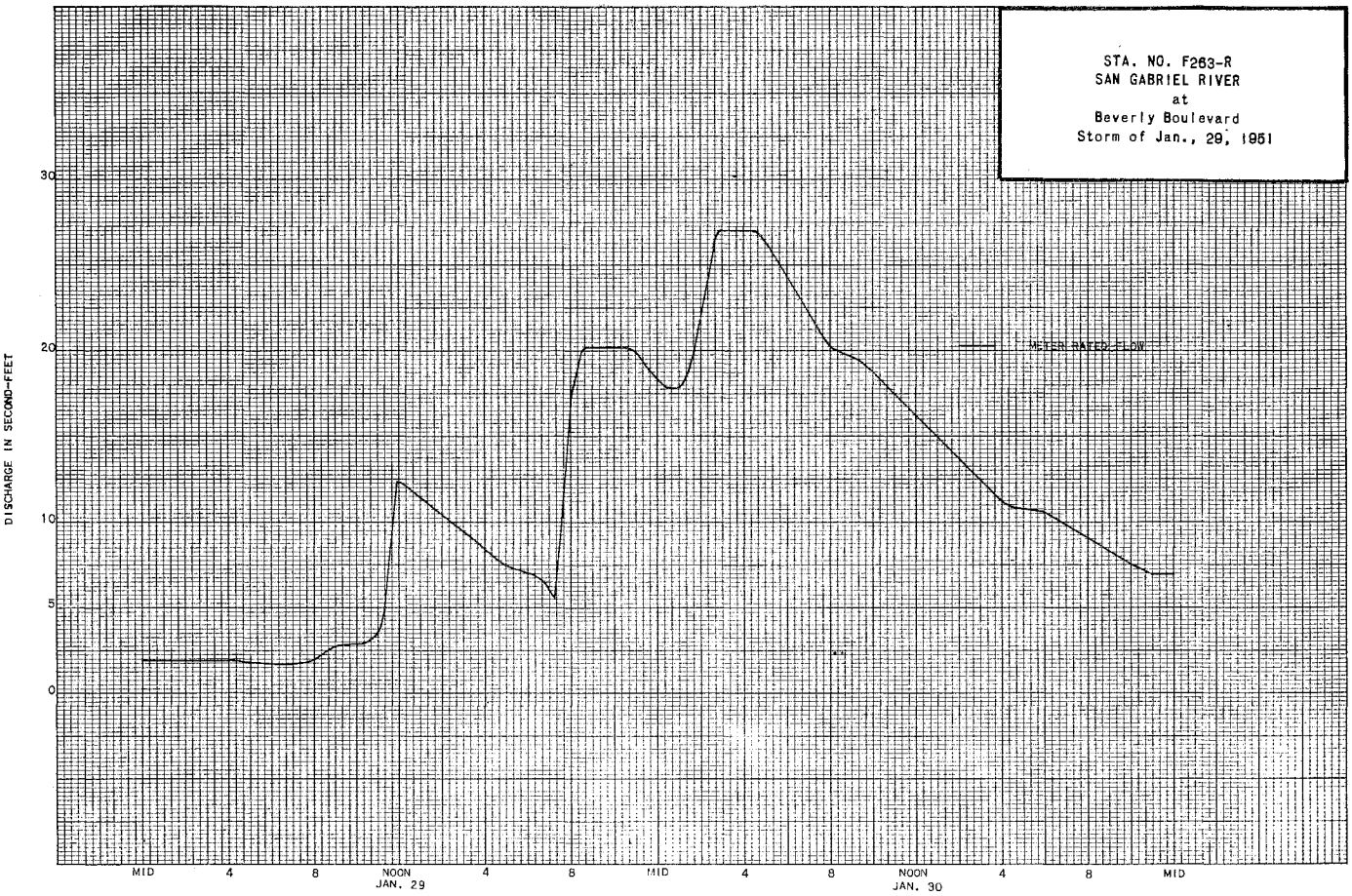
Daily discharge, in second-feet of SAN GABRIEL RIVER at Beverly Boulevard for the year ending September 30, 19 51

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	6.9	6.2	0	0	0	0	0	0
2	0	0	0	0	6.2	5.9	0	0	0	0	0	0
3	0	0	0	0	7.5	4.7	0	0	0	0	0	0
4	0	0	0	0	7.2	4.5	0	0	0	0	0	0
5	0	0	0	0	6.2	4.3	0	0	0	0	0	0
6	0	0	0	0	6.9	4.3	0	0	0	0	0	0
7	0	0	0	0	7.5	4.3	0	0	0	0	0	0
8	0	0	0	0	7.5	3.8	0	0	0	0	0	0
9	0	0	0	0	7.5	3.6	0	0	0	0	0	0
10	0	0	0	0	7.8	3.6	0	0	0	0	0	0
11	0	0	0	0	7.8	3.6	0	0	0	0	0	0
12	0	0	0	0	8.8	3.0	0	0	0	0	0	0
13	0	0	0	0	8.8	2.3	0	0	0	0	0	0
14	0	0	0	0	10	2.0	0	0	0	0	0	0
15	0	0	0	0	8.8	1.0	0	0	0	0	0	0
16	0	0	0	0	9.2	0	0	0	0	0	0	0
17	0	0	0	0	5.6	0	0	0	0	0	0	0
18	0	0	0	0	3.8	0	0	0	0	0	0	0
19	0	0	0	2.4	4.1	0	0	0	0	0	0	0
20	0	0	0	2.2	3.3	0	0	0	0	0	0	0
21	0	0	0	0	3.3	0	0	0	0	0	0	0
22	0	0	0	0	3.6	0	0	0	0	0	0	0
23	0	0	0	0	5.4	0	0	0	0	0	0	0
24	0	0	0	0.1	4.9	0	0	0	0	0	0	0
25	0	0	0	1.6	5.2	0	0	0	0	0	0	0
26	0	0	0	1.7	5.4	0	0	0	0	0	0	0
27	0	0	0	2.4	5.4	0	0	0	0	0	0	0
28	0	0	0	2.4	5.6	0	0	0	0	0	0	0
29	0	0	0	7.7		0	0	0	0	0	0	0
30	0	0	0	16		0	0	0	0	0	0	0
31	0		0	7.2		0		0		0	0	
	0	0	0	43.7	182	57.3	0	0	0	0	0	0
MEAN	0	0	0	1.41	6.43	1.85	0	0	0	0	0	0
ACRE-FEET	0	0	0	87.	357.	114.	0	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 0.77
ACRE-FEET 558.





STATION F282-R

SAN GABRIEL RIVER at Florence Boulevard

LOCATION: WATER-STAGE RECORDER. LAT. 33°56'20", LONG. 118°06'00", ON THE DOWN-STREAM SIDE OF THE FLORENCE AVENUE (FORMERLY EASY STREET) BRIDGE ABOUT 2 MILES EAST OF DOWNEY. ELEVATION OF ZERO GAGE HEIGHT, 105.00 FEET.

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 OVER AN 18-INCH DIAMETER, CORRUGATED IRON PIPE STILLING WELL. THE RECORDER WAS REMOVED ON MARCH 2, 1938 AND WAS REINSTALLED ON APRIL 4, 1938. AN H.C.F. RECORDER WAS IN SERVICE FROM OCTOBER 1, 1947 TO MARCH 22, 1949. AN AUXILIARY STILLING WELL AND RECORDER ARE MAINTAINED ON THE WEST SIDE OF THE CHANNEL.STATION REMOVED MARCH 22, 1949 TO PERMIT REMOVAL OF BRIDGE. REINSTALLED JANUARY 26, 1951. AN H.C.F. RECORDER WAS IN SERVICE FROM JANUARY 26, 1951 TO SEPTEMBER 30, 1951.

REGULATION: FLOW PARTIALLY REGULATED BY SAN GABRIEL DAMS NO. 1 AND 2, MORRIS DAM, SANTA FE DAM, BIG DALTON DAM, SAN DIMAS DAM, PUDDINGSTONE DIVERSION DAM, PUDDINGSTONE DAM, LIVE OAK DAM, AND THOMPSON CREEK 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, 1951.

EXTREMES OF DISCHARGE:

1949-50
NO FLOW FOR ENTIRE YEAR.

1950-51
NO FLOW ENTIRE YEAR.

1937-51
MAXIMUM NOT DETERMINED, MARCH 2, 1938.
MAXIMUM DISCHARGE OF RECORD, 15,960 SECOND-FEET, FEBRUARY 22, 1944.
MINIMUM NO FLOW AT VARIOUS TIMES.

OPERATION: LOCATED AND CONSTRUCTED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT, AND OPERATED IN COOPERATION WITH THE SAN GABRIEL VALLEY PROTECTIVE ASSOCIATION

STATION F42-R

SAN GABRIEL RIVER at Spring Street-Long Beach

LOCATION: WATER-STAGE RECORDER, LAT. 33°48'38", LONG. 118°05'25", 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, 16.69 FEET.

DRAINAGE AREA: 215.5 SQUARE MILES (EXCLUSIVE OF AREA ABOVE SANTA FE DAM).

CHANNEL AND CONTROL: CHANNEL - SAND AND SILT OVER ADOBE WITH EARTH LEVEES PROTECTED BY WIRE MESH. NO ARTIFICIAL CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING; HIGH FLOWS MEASURED FROM CATWALK ON UPSTREAM SIDE OF SPRING STREET BRIDGE.

RECORDER: INSTALLED FEBRUARY 6, 1928 OVER A 21-INCH DIAMETER CORRUGATED IRON PIPE STILLING WELL. AN AU CONTINUOUS RECORDER IN SERVICE FROM OCTOBER 1, 1949 TO MAY 4, 1951 (REMOVED FOR CONSTRUCTION OF NEW BRIDGE).

REGULATION: FLOW PARTIALLY REGULATED BY SAN GABRIEL DAMS NO. 1 AND NO. 2, MORRIS DAM, SANTA FE DAM, BIG DALTON DAM, SAN DIMAS DAM, PUDDINGSTONE DAM, PUDDINGSTONE DIVERSION DAM, LIVE OAK DAM, AND THOMPSON CREEK DAM.

DIVERSIONS: THERE ARE SEVERAL DIVERSIONS FOR IRRIGATION, POWER DEVELOPMENT AND SPREADING.

RECORDS AVAILABLE: FEBRUARY 6, 1928 TO MAY 4, 1951. (FOR PERIODS PRIOR TO FEBRUARY 1928, SEE STATE DIVISION OF WATER RIGHTS BULLETINS).

EXTREMES OF DISCHARGE:

1949-50
NO FLOW FOR ENTIRE YEAR.

1950-51
NO FLOW FOR ENTIRE YEAR.

1927-51
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.

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 214.85 FEET.

DRAINAGE AREA: 85.0 SQUARE MILES.

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

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM CABLE CAR 150 FEET BELOW STATION.

RECORDER: INSTALLED JANUARY 2, 1929 OVER AN 18-INCH DIAMETER CORRUGATED IRON PIPE STILLING WELL. AN AU CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1949 TO SEPTEMBER 30, 1951.

REGULATION: FLOW PARTIALLY REGULATED BY THOMPSON CREEK DAM.

DIVERSIONS: SMALL DIVERSION FOR SPREADING. (SEE STATION F276-R).

RECORDS AVAILABLE: JANUARY 2, 1929 TO SEPTEMBER 30, 1951. (FOR RECORDS PRIOR TO JANUARY 2, 1929, SEE STATE DIVISION OF WATER RIGHTS BULLETINS).

EXTREMES OF DISCHARGE:

1949-50
MAXIMUM 747, SECOND-FEET, FEBRUARY 6.
MINIMUM 0.1 SECOND-FOOT, AT TIMES DURING JUNE AND JULY.

1950-51
MAXIMUM 97, SECOND-FEET, JANUARY 29.
MINIMUM LESS THAN 0.1 SECOND-FOOT AT TIMES DURING JULY.

1928-51
MAXIMUM 13,100 SECOND-FEET, JANUARY 1, 1934.
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: GOOD FOR LOW FLOWS. FAIR FOR HIGH FLOWS DUE TO UNDETERMINED SHIFT.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT IN COOPERATION WITH THE UNITED STATES GEOLOGICAL SURVEY, WATER RESOURCES BRANCH.

DISCHARGE MEASUREMENTS OF SAN JOSE CREEK

AT Workman Mill Road DURING THE YEAR ENDING SEPTEMBER 30, 19 50

NO.	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.
873	10-6	1405 / 1413	WADDICOR - LINDSAY	3.5	0.84	0.56	0.82	0.47		.5	6	0	FC37
874	10-13	1315 / 1322	WADDICOR	4.0	1.08	0.51	0.78	0.55		.5	4	0	"
875	10-20	1317 / 1323	"	4.0	1.36	0.63	0.75	0.86		.5 .6	4	0	"
876	10-27	1340 / 1348	"	4.0	1.16	0.95	0.80	1.1		.5	4	0	"
877	11-3	1330 / 1336	"	4.0	1.12	0.65	0.81	0.73		.6	4	0	"
878	11-10	1212 / 1219	WADDICOR - PAYNE	4.3	1.26	0.77	0.85	0.97		.5	4	0	"
879	11-17	1405 / 1410	WADDICOR	3.5	0.64	0.47	0.63	0.30		.6	4	0	"
880	11-23	1340 / 1345	"	3.5	1.23	0.56	0.63	0.69		.5	4	0	"
881	12-1	1328 / 1336	"	3.0	0.72	0.56	0.61	0.40		.5	3	0	"
882	12-8	1125 / 1130	WADDICOR - PAYNE	3.5	0.55	0.64	0.67	0.35		.6	4	0	"
883	12-15	1310 / 1317	SPENCER - WADDICOR	3.5	0.61	0.41	0.68	0.25		.5	4	0	"
884	12-19	1425 / 1445	WADDICOR - PAYNE	17.0	12.5	1.56	1.46	19.5		.6	8	-.01	"
885	12-22	1251 / 1305	REINHARD	4.3	1.05	0.66	0.77	0.69		.6	5	0	"
886	12-29	1334 / 1339	WADDICOR	3.3	1.07	0.70	0.56	0.75		.5	4	0	"
887	1-5	1340 / 1345	"	4.3	1.04	0.65	0.68	0.68		.5	5	0	"
888	1-9	1110 / 1120	WADDICOR - PAYNE	9.5	4.16	1.85	1.07	7.7		.6	5	0	"
889	1-12	1030 / 1040	"	12.0	6.76	2.01	1.15	13.6		.6	6	0	"
890	1-19	1403 / 1411	WADDICOR	5.0	1.48	0.66	0.90	1.0		.6	5	0	"
891	1-26	1550 / 1557	"	4.0	1.10	0.74	0.95	0.81		.6	4	0	"
892	2-2	1330 / 1338	"	3.5	0.94	0.81	0.90	0.76		.6	4	0	"
893	2-7	1112 / 1122	WADDICOR - PAYNE	6.5	3.28	1.31	1.00	4.3		.6	5	0	"
894	2-8	1350 / 1400	WADDICOR	5.7	1.94	1.96	0.97	3.8		.6	6	0	"
895	2-16	1335 / 1343	"	3.5	0.71	0.94	0.84	0.67		.6	4	0	"
896	2-23	1352 / 1402	"	4.4	1.45	0.76	0.93	1.1		.6	5	0	"
897	3-2	1355 / 1402	WADDICOR - BROWN	3.9	1.51	1.62	0.91	2.4		.6	6	0	"
898	3-9	1350 / 1400	WADDICOR	4.5	1.65	1.27	0.91	2.1		.6	5	0	"
899	3-16	1333 / 1339	"	4.5	1.47	1.56	0.91	2.3		.6	5	0	"
900	3-23	1325 / 1334	"	4.5	1.43	1.61	0.83	2.3		.6	5	0	"
901	3-30	1316 / 1326	"	4.0	1.16	1.38	0.83	1.6		.6	4	0	"
902	4-6	1332 / 1342	"	4.5	1.58	1.36	0.85	2.2		.5	5	0	"
903	4-13	1343 / 1353	"	4.0	1.42	1.55	0.83	2.2		.6	4	0	"
904	4-20	1339 / 1346	"	4.5	1.67	1.32	0.82	2.2		.5	5	0	"
905	4-27	1118 / 1128	WADDICOR - ISOM	7.5	2.66	1.13	0.85	3.0		.5	6	0	"
906	5-4	1404 / 1411	WADDICOR	4.5	1.39	1.44	0.82	2.0		.5	5	0	"
907	5-11	1423 / 1429	"	4.5	1.42	1.20	0.81	1.7		.5	5	0	"
908	5-17	1402 / 1408	BONADIMAN	5.0	1.68	0.29	0.78	0.48		.5	3	0	FC46
909	5-24	1410 / 1416	"	2.0	0.65	0.59	0.80	0.50		.5	4	0	"
910	5-31	1330 / 1336	"	3.0	1.26	0.47	0.82	0.59		.5	4	0	"
911	6-7	1402 / 1410	"	2.8	1.14	0.69	0.77	0.79		.5	4	0	"
912	6-14	1354 / 1400	"	2.0	0.83	0.80	0.80	0.67		.6	3	0	"
913	6-21	1400 / 1405	"	1.6	0.60	0.28	0.81	0.17		.5	3	0	"
914	6-28	1402 / 1410	"	2.5	1.12	0.50	0.84	0.56		.5	4	0	"
915	7-5	1410 / 1415	"	2.2	0.73	0.40	0.74	0.29		.5	3	0	"
916	7-12	1402 / 1410	"	2.5	0.89	0.73	0.88	0.65		.5	4	0	"
917	7-19	1412 / 1420	"	2.5	0.75	0.65	0.80	0.49		.5	4	0	"
918	7-26	1402 / 1410	"	3.0	0.96	0.54	0.85	0.52		.5	4	0	"
919	8-2	1400 / 1410	"	3.0	0.69	0.51	0.72	0.35		.5	4	0	"
920	8-9	1358 / 1406	"	3.2	0.69	0.70	0.80	0.48		.5	4	0	FC19
921	8-16	1022 / 1030	"	5.5	0.96	0.52	0.78	0.50		.5	4	0	FC46
922	8-23	1402 / 1408	"	4.0	0.83	0.48	0.78	0.40		.5	4	0	FC19
923	8-30	1410 / 1418	"	2.5	0.41	0.54	0.77	0.22		.5	4	0	"
924	9-6	1345 / 1352	WADDICOR	2.9	0.63	0.41	0.77	0.26		.5	4	0	FC37
925	9-13	1300 / 1305	"	4.3	1.14	0.34	0.77	0.39		.5	5	0	"
926	9-20	1350 / 1356	"	4.0	1.11	0.46	0.77	0.51		.5	4	0	"
927	9-27	1430 / 1436	BONADIMAN	3.0	0.51	0.66	0.75	0.34		.5	3	0	FC19

DISCHARGE MEASUREMENTS OF SAN JOSE CREEK

AT Workman Mill Road DURING THE YEAR ENDING SEPTEMBER 30, 19 51

NO.	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.
928	10-4	1430 / 1436	BONADIMAN	2.0	0.33	0.48	0.72	0.16		.5	4	0	FC19
929	10-11	1430 / 1437	THOMAS-BONADIMAN	4.0	0.55	0.51	0.77	0.28		.5	5	0	"
930	10-18	1434 / 1442	BONADIMAN	4.0	0.62	0.47	0.79	0.29		.5	5	0	FC46
931	10-25	1400 / 1408	"	7.0	1.38	0.56	0.82	0.77		.5	5	0	"
932	11-2	1338 / 1348	WADDICOR	4.5	1.50	1.07	0.68	1.6		.5	6	0	FC37
933	11-9	1340 / 1345	"	4.0	0.69	0.54	0.83	0.37		.5	5	0	"
934	11-16	1333 / 1340	"	4.3	1.10	0.89	0.81	0.98		.5	7	0	"
935	11-24	1420 / 1428	"	4.5	1.34	0.68	0.78	0.91		.5	6	0	"
936	11-30	1408 / 1418	"	4.3	1.31	0.71	0.77	0.93		.5	6	0	"
937	12-7	1600 / 1608	"	4.7	1.44	0.83	0.77	1.2		.5	6	0	"
938	12-14	1403 / 1408	"	4.4	1.29	0.85	0.83	1.1		.5	7	0	"
939	12-21	1340 / 1349	"	5.0	1.56	1.09	0.83	1.7		.5	6	0	"
940	12-28	1355 / 1404	"	5.0	1.36	1.03	0.81	1.4		.5	6	0	"
941	1-3	1412 / 1418	"	4.0	1.16	0.95	0.80	1.1		.5	5	0	"
942	1-18	1540 / 1546	WADDICOR-VAN BUREN	5.0	1.66	1.08	0.85	1.8		.6	6	0	FC37
943	1-25	1346 / 1356	WADDICOR	4.9	2.36	1.02	0.90	2.4		.6	6	0	"
944	1-30	1048 / 1058	WADDICOR-VAN BUREN	7.0	3.95	1.37	0.91	5.4		.6	8	0	"
945	2-1	1400 / 1405	WADDICOR-JORDAN	3.2	0.61	1.16	0.80	0.71		.6	5	0	"
946	2-8	1340 / 1350	WADDICOR	4.0	1.03	1.07	0.81	1.1		.5	5	0	"
947	2-15	1400 / 1408	HOLLERON-WADDICOR	4.2	1.47	1.29	0.82	1.9		.5	6	0	"
948	2-21	1330 / 1338	WADDICOR	4.5	1.26	0.79	0.80	1.0		.6	6	0	"
949	2-23	1440 / 1448	WADDICOR-VAN BUREN	4.0	1.26	1.19	0.79	1.5		.6	5	0	"
950	3-1	1338 / 1348	"	5.0	2.70	0.96	0.82	2.6		.6	6	0	"
951	3-8	1310 / 1320	WADDICOR	5.0	1.30	0.92	0.84	1.2		.6	6	0	"
952	3-15	1348 / 1353	"	5.0	1.36	0.81	0.79	1.1		.6	6	0	FC37
953	3-22	1306 / 1315	"	4.0	1.16	1.03	0.82	1.2		.5	5	0	"
954	3-28	1336 / 1348	"	4.0	1.12	0.87	0.77	0.98		.5	5	0	"
955	4-5	1322 / 1329	"	4.0	1.14	1.05	0.76	1.2		.5	5	0	"
956	4-11	1322 / 1329	"	4.0	1.22	1.07	0.75	1.3		.5	5	0	"
957	4-19	1335 / 1342	"	4.6	1.59	1.01	0.73	1.6		.5	6	0	"
958	4-26	1354 / 1402	"	4.0	1.42	1.13	0.75	1.6		.6	5	0	"
959	5-3	1255 / 1302	WADDICOR-BODIK	3.0	0.89	0.20	0.73	0.18		.6	5	0	"
960	5-10	1310 / 1345	WADDICOR	3.5	0.56	0.63	0.73	0.35		.5	5	0	"
961	5-17	1410 / 1417	"	3.5	0.84	0.73	0.72	0.61		.5	5	0	"
962	5-24	1355 / 1400	"	4.0	1.08	0.76	0.77	0.82		.5	5	0	"
963	5-31	1410 / 1416	"	3.0	1.38	0.50	0.81	0.69		.5	4	0	"
964	6-7	1330 / 1338	"	4.0	1.18	0.55	0.83	0.65		.5	5	0	"
965	6-14	1338 / 1343	"	3.8	1.02	0.59	0.84	0.84		.5	5	0	"
966	6-21	1350 / 1356	"	4.0	1.02	0.80	0.83	0.82		.5	5	0	"
967	6-28	1328 / 1333	WADDICOR-BRUINGTON-MILLS	1.8	0.90	0.33	0.84	0.30		.5	5	0	"
968	7-5	1350 / 1355	WADDICOR	3.0	0.66	0.91	0.80	0.60		.5	4	0	"
969	7-11	1250 / 1255	"	3.0	0.68	0.71	0.82	0.48		.5	4	0	FC37
970	7-18	1354 / 1400	BONADIMAN	5.0	1.54	0.23	0.80	0.36	SURF.	5	0		FC46
971	8-2	1442 / 1448	WADDICOR	4.0	0.88	0.55	0.73	0.48		.5	5	0	FC37
972	8-9	1325 / 1330	"	3.0	0.82	0.61	0.74	0.50		.6	4	0	"
973	8-16	1341 / 1347	"	3.0	0.84	0.66	0.68	0.56		.6	4	0	"
974	8-23	1330 / 1335	"	3.0	0.82	0.72	0.71	0.59		.6	4	0	"
975	8-30	1330 / 1334	"	3.0	0.98	0.97	0.69	0.95		.6	4	0	"
976	9-5	1402 / 1410	"	4.0	1.08	0.64	0.80	0.69		.6	5	0	"
977	9-12	1305 / 1310	"	3.0	1.06	0.67	0.82	0.71		.5	4	0	"
978	9-20	1322 / 1327	"	3.0	0.74	1.07	0.81	0.79		.5	4	0	"
979	9-27	1250 / 1255	"	3.0	0.76	0.83	0.81	0.63		.5	4	0	"

76DT43M F. C. Dist. 52 9-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F48R

Daily discharge, in second-feet of SAN JOSE CREEK at Workman Mill Road, for the year ending September 30, 1950

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.0	0.8	0.4	0.6	1.0	0.8	1.8	2.9	0.6	0.2	0.4	0.4
2	0.8	0.8	0.4	0.6	0.8	2.0	1.6	2.7	0.6	0.2	0.4	0.8
3	0.6	0.8	0.2	0.6	0.8	2.4	1.4	2.4	0.8	0.2	0.4	0.8
4	0.6	0.8	0.2	0.6	0.8	2.2	1.4	2.0	0.8	0.2	0.4	0.8
5	1.0	0.6	0.2	0.6	0.8	2.0	1.4	2.4	0.8	0.2	0.4	0.4
6	0.6	0.6	0.2	0.4	1.84	1.8	1.8	2.7	0.8	0.2	0.2	0.4
7	0.4	0.6	0.2	0.4	4.6	2.0	2.0	2.0	0.8	0.2	0.4	0.2
8	2.4	0.4	0.2	3.9	3.3	2.0	1.8	1.8	0.8	0.2	0.4	0.4
9	0.8	0.4	0.6	3.5	2.9	1.8	2.8	2.0	0.8	0.2	0.4	0.2
10	0.2	7.9	2.5	5.5	3.1	1.8	2.9	2.0	0.8	0.2	0.4	0.4
11	0.2	7.8	1.0	6.0	3.1	2.0	2.4	1.8	0.8	0.4	0.6	0.8
12	0.4	4.2	0.6	5.7	1.2	2.0	2.2	1.4	0.6	0.6	0.8	0.4
13	0.4	3.8	0.2	6.5	1.0	2.0	2.2	1.0	0.6	0.6	0.6	0.4
14	0.6	3.3	0.4	4.7	0.6	2.2	2.0	0.8	0.4	0.6	0.6	0.4
15	1.0	1.8	0.2	4.0	0.6	2.0	2.2	0.6	0.4	0.8	0.6	0.2
16	1.4	1.0	0.2	3.1	0.6	2.0	2.2	0.4	0.4	0.8	0.4	0.4
17	2.2	0.4	0.2	2.4	1.2	2.7	2.4	0.4	0.4	0.8	0.2	0.6
18	1.4	0.4	3.9	1.8	0.8	2.9	2.4	0.6	0.6	0.4	0.2	0.6
19	1.0	0.4	14.7	0.8	0.6	2.9	2.4	0.6	0.4	0.6	0.2	0.6
20	0.8	0.4	4.6	b 0.8	0.6	2.9	2.4	0.8	0.2	0.4	0.4	0.6
21	0.8	0.4	2.4	0.8	0.8	2.7	2.2	0.6	0.2	0.4	0.6	0.6
22	0.8	0.8	1.0	0.8	0.8	2.4	2.2	0.6	0.2	0.4	0.2	0.6
23	0.8	0.6	0.8	0.8	0.8	2.2	2.2	0.6	0.4	0.4	0.6	a 0.6
24	0.8	0.6	0.6	0.8	1.0	2.4	2.7	0.6	0.2	0.4	0.8	a 0.5
25	0.8	0.6	0.4	0.8	1.0	6.2	2.9	0.6	0.2	0.8	0.8	a 0.5
26	0.6	0.6	0.4	b 0.8	0.6	2.9	3.1	0.6	0.2	0.8	0.6	a 0.4
27	0.8	0.6	0.6	0.8	0.6	1.8	3.1	0.6	0.2	0.6	0.4	0.4
28	1.4	0.8	0.8	0.8	0.6	1.4	2.9	0.6	0.4	0.4	0.2	0.4
29	2.0	0.8	1.0	4.0		1.4	2.9	0.6	0.2	0.4	0.2	0.4
30	1.4	0.6	0.8	1.2		1.4	2.4	0.6	0.2	0.4	0.2	1.0
31	1.0		0.8	1.2		1.4		0.6		0.4	0.2	
	29.0	43.6	208.1	237.2	218.6	69.6	68.3	38.1	14.8	13.4	13.2	15.2
MEAN	0.94	1.45	6.71	7.65	7.81	2.21	2.28	1.23	0.49	0.43	0.43	0.51
ACRE-FEET	58.	86.	413.	470.	434.	136.	135.	76.	29.	27.	26.	30.

Remarks:

YEAR OR PERIOD MEAN 26.5
ACRE-FEET 1920.

76DT43M F. C. Dist. 52 9-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

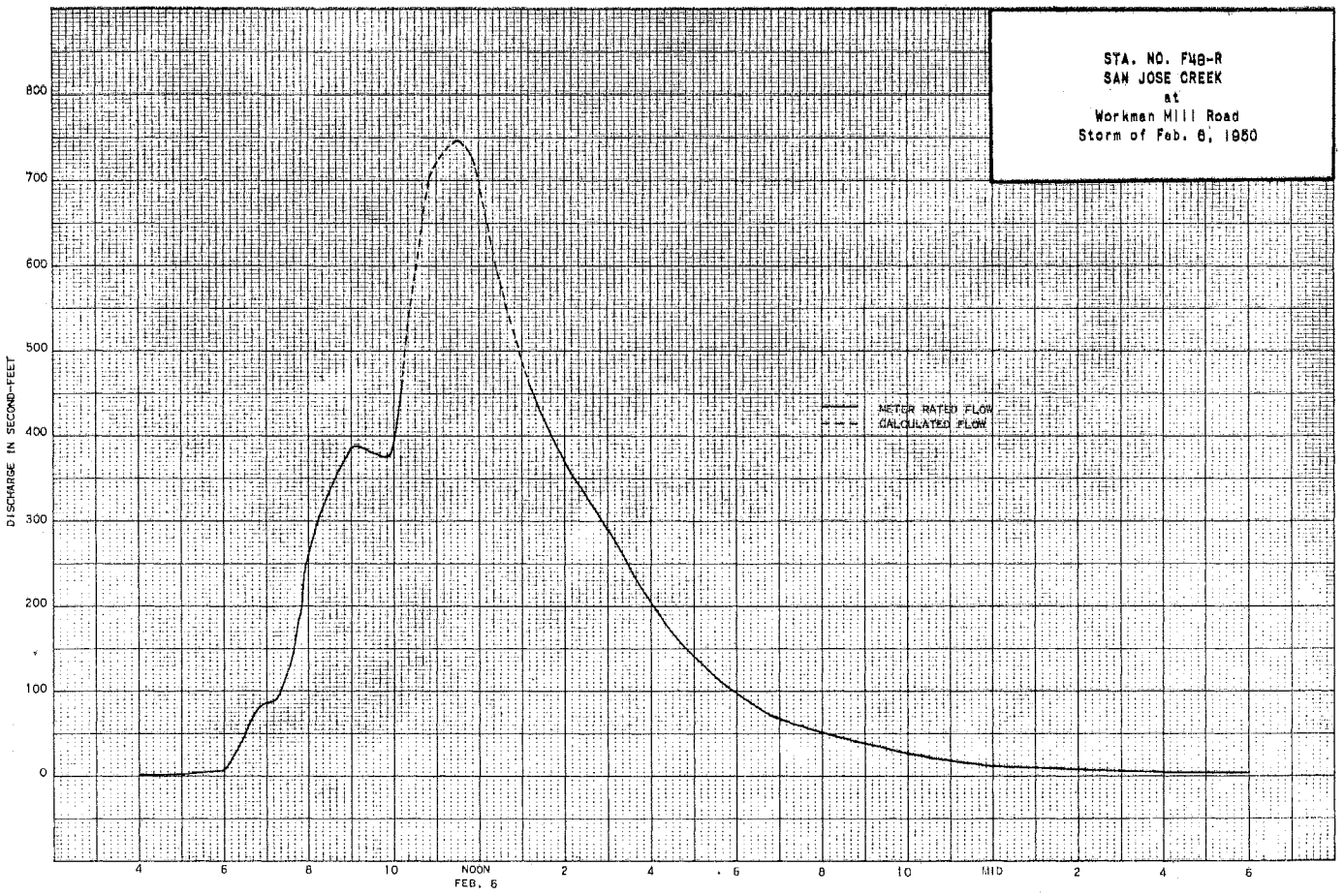
Sta. No. F48R

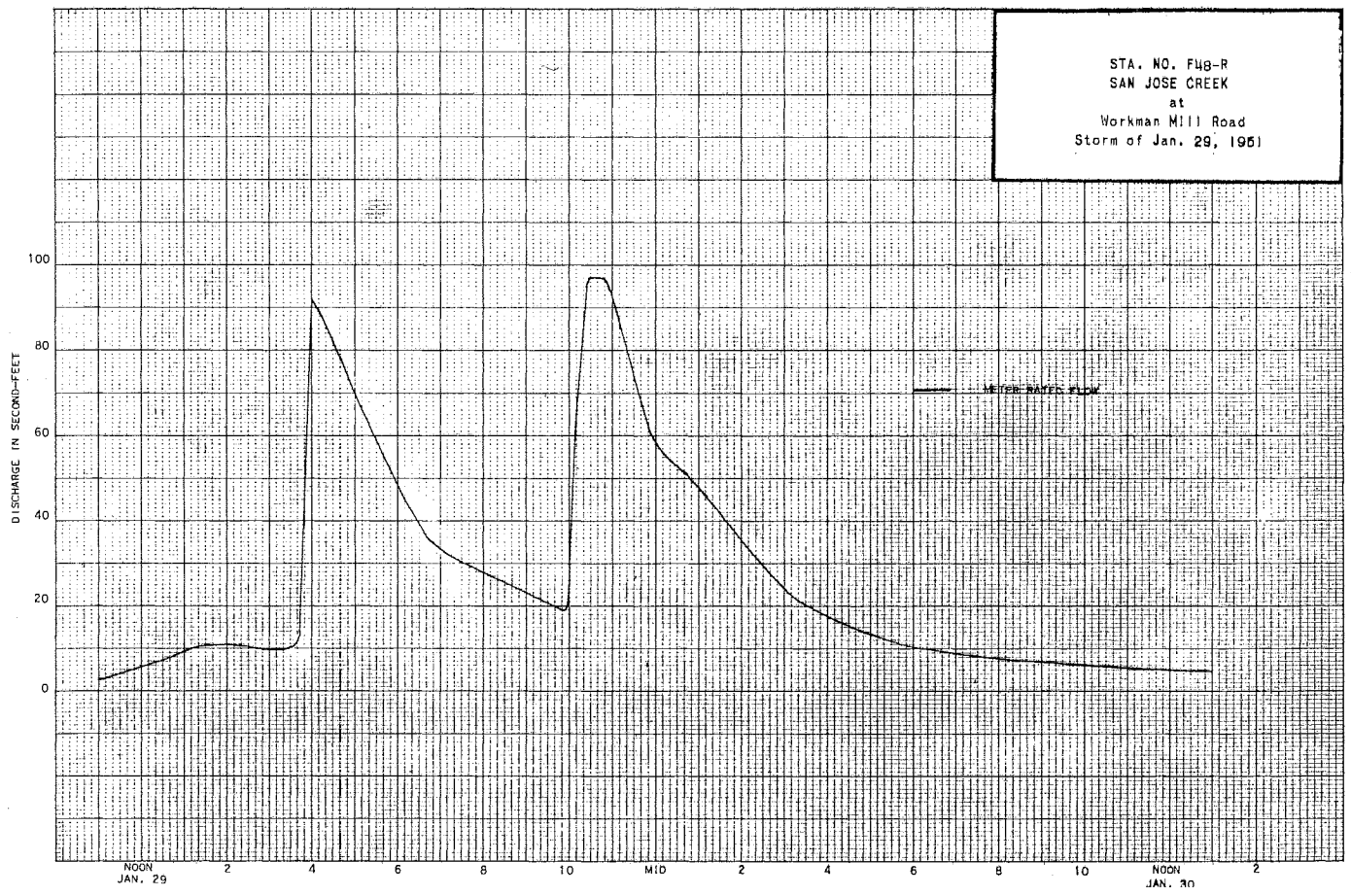
Daily discharge, in second-feet of SAN JOSE CREEK at Workman Mill Road, for the year ending September 30, 1951

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.6	2.2	1.0	1.2	1.0	2.9	1.0	0.8	0.4	1.0	1.6	0.8
2	0.6	1.8	1.0	1.2	0.8	3.1	1.0	0.4	0.4	1.0	1.0	0.8
3	0.6	0.6	1.0	1.2	0.6	1.8	1.0	0.4	0.4	0.4	0.6	0.8
4	0.4	0.8	1.0	1.4	0.4	1.4	1.2	0.2	0.4	0.2	0.8	0.8
5	0.2	0.6	1.2	1.2	0.6	1.4	1.2	0.4	0.6	0.6	0.6	0.6
6	0.4	0.4	1.2	1.2	1.2	1.6	1.2	0.6	0.8	0.2	0.8	1.0
7	0.4	0.2	1.2	1.2	1.6	1.4	1.2	0.6	0.6	+	0.8	1.0
8	0.4	0.2	1.2	1.2	1.4	1.2	1.2	0.4	1.0	0.2	0.8	1.0
9	0.4	0.4	1.6	1.4	1.2	1.2	1.2	0.4	0.8	0.2	0.4	0.6
10	0.4	0.8	1.8	1.6	1.2	1.4	1.2	0.4	0.8	+	0.4	0.6
11	0.2	0.6	1.8	2.0	1.2	1.0	1.2	0.4	1.0	0.2	0.4	0.8
12	0.4	0.6	1.6	5.9	1.6	1.2	1.0	0.2	1.0	0.6	0.4	0.8
13	0.2	1.0	1.6	1.8	1.8	1.4	1.0	0.2	1.0	0.6	0.6	0.8
14	+	1.8	1.4	1.6	2.0	1.2	1.2	0.6	0.8	0.8	0.6	0.8
15	+	1.4	1.4	1.0	1.8	1.2	1.0	0.8	0.8	1.0	0.6	0.8
16	+	1.0	1.4	1.4	1.8	1.2	1.0	0.8	0.6	0.8	1.4	0.8
17	0.2	0.8	1.4	1.6	1.6	1.4	0.8	0.6	0.6	0.6	2.4	0.8
18	0.2	0.8	1.4	1.8	1.6	1.2	1.0	0.4	0.6	0.4	2.4	0.8
19	0.8	1.0	1.4	4.9	1.6	1.2	1.6	0.6	0.8	0.4	2.4	0.8
20	1.2	1.4	1.6	4.0	1.4	1.0	1.8	0.6	0.8	0.6	2.4	0.8
21	1.0	1.6	2.0	2.4	1.0	1.0	1.8	0.6	0.8	0.6	2.7	0.8
22	1.0	1.4	2.0	2.0	1.6	1.0	1.6	0.8	1.0	1.0	1.8	0.8
23	1.0	1.4	1.8	2.0	2.0	1.0	1.0	1.0	1.2	1.2	1.2	0.8
24	0.8	1.4	1.6	3.8	2.0	1.0	1.0	0.8	1.0	1.0	0.6	0.8
25	1.0	1.0	1.6	2.0	1.8	1.0	0.8	0.8	0.8	0.8	0.6	0.8
26	1.8	1.0	1.6	2.0	1.8	1.0	1.4	0.8	0.4	0.8	0.8	0.8
27	2.4	1.0	1.4	1.8	2.4	1.0	1.4	0.8	0.4	0.8	0.6	0.8
28	2.4	1.2	1.4	1.4	2.2	1.0	1.2	0.6	0.4	1.0	0.8	0.8
29	2.7	1.2	1.6	2.1		1.4	2.0	0.4	0.4	1.0	0.8	0.8
30	2.9	1.0	1.4	1.1		1.0	1.0	0.2	0.6	1.2	1.0	0.8
31	3.5		1.2	2.7		1.0		0.6		1.2	1.0	
	28.1	30.8	44.8	90.9	41.2	40.6	36.2	17.2	21.2	20.4	33.5	24.0
MEAN	0.91	1.03	1.45	2.93	1.47	1.32	1.21	0.55	0.71	0.66	1.10	0.80
ACRE-FEET	56.	61.	89.	180.	82.	81.	72.	34.	42.	40.	66.	48.

Remarks: + = 0.05 c.f.s. or less.

YEAR OR PERIOD MEAN 1.18
ACRE-FEET 851.


STA. NO. FW8-R
SAN JOSE CREEK
at
Workman Mill Road
Storm of Feb. 6, 1950
METER RATED FLOW
CALCULATED FLOW
DISCHARGE IN SECOND-FEET
800
700
600
500
400
300
200
100
0
4
6
8
10
NOON
FEB. 6
2
4
6
8
10
MID
2
4
6


STA. NO. FW8-R
SAN JOSE CREEK
at
Workman Mill Road
Storm of Jan. 29, 1951
METER RATED FLOW
DISCHARGE IN SECOND-FEET
100
80
60
40
20
0
NOON
JAN. 29
2
4
6
8
10
MID
2
4
6
8
10
NOON
JAN. 30
2

STATION U4-R

SANTA ANITA CREEK above Santa Anita Dam

LOCATION: WATER-STAGE RECORDER, LAT. 34°11'30", LONG. 118°01'00", IN SW 1/4 NE 1/4 SEC. 10, T 1 N., R. 11 W., AT HEAD OF HERMITS FALLS, 1 MILE UPSTREAM FROM BIG SANTA ANITA DAM, AND 4 MILES NORTHEAST OF SIERRA MADRE. ALTITUDE OF GAGE, ABOUT 1,475 FEET ABOVE MEAN SEA LEVEL.

DRAINAGE AREA: 10.5 SQUARE MILES.

RECORDS AVAILABLE: JULY 1916 TO SEPTEMBER 1951.

AVERAGE DISCHARGE: 34 YEARS, 6.03 SECOND-FEET.
35 YEARS, 5.87 SECOND-FEET.

EXTREMES:

1949-1950
MAXIMUM 125. SECOND-FEET, DECEMBER 18. (GAGE HEIGHT, 2.54 FEET).
MINIMUM DAILY 0.1 SECOND-FOOT, SEPTEMBER 2 TO 5.

1950-1951
MAXIMUM 18 SECOND-FEET, JANUARY 11. (GAGE HEIGHT, 1.11 FEET).
MINIMUM DAILY 0.1 SECOND-FOOT, DURING PARTS OF SEVERAL MONTHS.

1916-1951
MAXIMUM DISCHARGE, ABOUT 5,200 SECOND-FEET, MARCH 2, 1938, BASED ON INFLOW TO BIG SANTA ANITA RESERVOIR.
PRACTICALLY NO FLOW AUGUST 18 TO SEPTEMBER 14, 1929.

REMARKS: RECORDS GOOD. NO DIVERSIONS ABOVE STATION.

OPERATION: RECORDS FURNISHED BY THE UNITED STATES GEOLOGICAL SURVEY, WITH THE EXCEPTION OF 1 MEASUREMENT MADE BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

COOPERATION: RECORDS FURNISHED BY THE UNITED STATES GEOLOGICAL SURVEY, WITH THE EXCEPTION OF 1 MEASUREMENT MADE BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF SANTA ANITA CREEK

~~AT~~ NEAR above Santa Anita Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 50

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1171	10-11		U.S.G.S.	1.3	0.39	0.50	0.24	0.20		.5	13	0	
1172	10-24		"	1.8	0.51	0.73	0.27	0.38		.5	13	0	
1173	11-9		"	1.40	0.58	0.81	0.30	0.47		.5	14	0	
1174	11-22		"	5.1	3.05	0.22	0.37	0.68		.5/.6	13	0	
1175	12-1	1030 / 1036	MOON	1.7	0.41	1.46	0.36	0.60		.6	4	0	FC22
1176	12-5		U.S.G.S.	4.6	2.77	0.27	0.34	0.74		.5/.6	14	0	
1177	12-20		"	10.5	5.30	1.55	0.84	8.2		.5/.6	20	0	
1178	12-20		"	10.3	5.20	1.54	0.83	8.0		.6	18	0	
1179	1-3		"	4.0	2.19	0.77	0.44	1.68		.5/.6	15	0	
1180	1-9		"	7.2	3.73	0.96	0.62	3.57		.5/.6	15	-.01	
1181	1-18		"	9.9	2.44	1.32	0.58	3.22		.5	17	0	
1182	2-1		"	8.4	2.98	0.89	0.54	2.65		.5/.6	15	0	
1183	2-6		"	13.4	16.8	2.33	1.56	39.2		.6	14		
1184	2-6		"	13.5	16.8	2.30	1.51	38.6		.6	14		
1185	2-21		"	5.9	3.64	0.93	0.62	3.40		.5/.6	15	0	
1186	3-7		"	5.9	3.04	0.82	0.54	2.49		.5/.6	15	0	
1187	3-21		"	5.2	2.38	0.80	0.49	1.90		.5/.6	17	0	
1188	4-4		"	2.7	1.39	1.50	0.52	2.07		.6	9	0	
1189	4-19		"	6.2	2.82	1.10	0.58	3.11		.5/.6	25	0	
1190	5-2		"	2.78	1.66	1.39	0.53	2.31		.6	25	0	
1191	5-9		"	5.7	2.30	0.87	0.48	2.00		.5/.6	21	0	
1192	5-24		"	4.2	1.34	1.47	0.47	1.97		.5	21	0	
1193	6-6		"	3.7	1.28	1.15	0.44	1.47			33	0	
1194	6-19		"	3.6	1.14	1.06	0.42	1.16		.5/.6	30	-.005	
1195	7-3		"	3.2	2.01	0.25	0.32	0.51		.6	33	0	
1196	7-17		"	2.3	0.68	0.87	0.32	0.59		.5	21	-.005	
1197	8-1		"	1.65	0.45	1.09	0.32	0.49		.5	17	0	
1198	8-14		"	2.4	0.47	0.56	0.24	0.28		.5	19	-.005	
1199	9-1		"	1.4	0.28	0.74	0.21	0.21		.5	13	0	
1200	9-12		"	1.5	0.33	1.21	0.26	0.40		.5	14	0	
1201	9-27		"	1.3	0.30	1.17	0.26	0.35		.5	12	-.005	

DISCHARGE MEASUREMENTS OF SANTA ANITA CREEK

~~AT~~ NEAR above Santa Anita Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 51

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1202	10-9		USGS	1.2	0.27	1.28	0.24	0.35		.5	11	0	
1203	10-24		"	1.3	0.27	1.20	0.25	0.33		.5	14	0	
1204	11-9		"	2.8	0.62	0.72	0.27	0.45		.5	24	0	
1205	11-21		"	3.3	1.10	0.95	0.37	1.04		.5	17	0	
1206	12-5		"	3.6	0.97	0.73	0.32	0.71		.5	19	-.01	
1207	12-22		"	3.0	0.83	0.69	0.32	0.57		.5/.6	20	0	
1208	1-4		"	3.7	1.07	0.55	0.32	0.59		.5	24	0	
1209	1-11		"	4.9	1.93	0.37	0.35	0.72		.5/.6	18	0	
1210	1-22		"	3.6	1.67	0.66	0.50	1.10		.5/.6	27	0	
1211	2-6		"	3.6	1.63	0.50	0.48	0.82		.5	24	0	
1212	2-19		"	3.6	1.65	0.42	0.46	0.69		.5	24	0	
1213	3-7		"	3.7	1.82	0.68	0.50	1.24		.5/.6	20	0	
1214	3-22		"	3.7	1.54	0.30	0.47	0.77		.5/.6	26	0	
1215	4-2		"	3.7	1.60	0.44	0.46	0.70		.5/.6	27	0	
1216	4-18		"	3.5	1.54	0.48	0.46	0.74		.5	19	0	
1217	5-1		"	3.0	2.11	0.89	0.51	1.87		.6	16	0	
1218	5-16		"	2.8	1.55	0.45	0.39	0.70		.6	15	0	
1219	5-28		"	2.9	1.42	0.29	0.33	0.41		.6	11	0	
1220	6-19		"	2.5	0.49	0.80	0.32	0.39		.5	7	+.01	
1221	7-3			1.5	0.33	0.97	0.32	0.32		.5	11	0	
1222	7-18			0.8	0.11	0.13	0.25	0.14		.5	6	0	
1223	8-9			0.85	0.14	1.00	0.20	0.14		.5	9	0	
1224	8-30			1.00	0.15	0.93	0.23	0.14		.5	5	0	
1225	9-19			0.6	0.06	1.00	0.22	0.06		.5	6	0	

FORM F. C. Dist. 52 8-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. UA-R

Daily discharge, in second-feet of SANTA ANITA CREEK above Santa Anita Dam for the year ending September 30, 19 50

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.2	0.2	0.6	1.8	2.7	2.7	2.2	2.4	1.5	0.5	0.4	0.2
2	0.2	0.2	0.6	1.8	2.4	2.7	2.1	2.3	1.4	0.4	0.3	0.1
3	0.2	0.2	0.7	1.7	2.3	2.7	2.0	2.4	1.4	0.4	0.3	0.1
4	0.2	0.2	0.7	1.7	2.2	2.6	2.0	2.4	1.3	0.4	0.4	0.1
5	0.2	0.2	0.7	1.7	2.2	2.4	2.0	2.3	1.2	0.4	0.4	0.1
6	0.2	0.3	0.7	1.6	2.4	2.4	1.9	2.3	1.4	0.4	0.3	0.2
7	0.3	0.3	0.8	1.6	11	2.4	1.9	2.3	1.4	0.4	0.3	0.3
8	0.3	0.4	1.6	4.7	7.9	2.3	15	2.3	1.3	0.5	0.3	0.3
9	0.2	0.7	1.4	4.6	6.2	2.3	12	2.2	1.0	0.6	0.2	0.4
10	0.2	2.8	1.0	2.7	7.5	2.3	7.6	2.1	1.0	0.6	0.2	0.3
11	0.2	3.8	0.9	7.7	6.6	2.3	5.9	2.0	1.0	0.6	0.3	0.4
12	0.2	2.0	0.9	8.2	5.5	2.3	5.2	1.9	1.0	0.6	0.3	0.4
13	0.2	1.5	0.9	5.5	4.8	2.2	4.6	2.0	1.1	0.6	0.3	0.4
14	0.2	1.2	0.8	4.6	4.3	2.2	4.3	2.1	1.2	0.6	0.3	0.4
15	0.2	1.0	0.8	4.3	4.1	2.1	3.9	2.1	1.2	0.6	0.3	0.4
16	0.2	0.9	0.8	3.7	3.9	2.1	3.6	2.2	1.1	0.6	0.2	0.4
17	0.3	0.8	0.8	3.4	3.7	2.1	3.2	2.3	1.1	0.6	0.2	0.7
18	0.4	0.7	31	3.2	3.6	2.0	3.1	2.2	1.0	0.6	0.2	0.7
19	0.4	0.7	22	3.1	3.6	2.0	2.9	2.1	0.9	0.6	0.2	0.5
20	0.4	0.7	9.1	3.1	3.4	2.0	2.8	2.0	0.9	0.5	0.2	0.5
21	0.4	0.7	5.7	2.8	3.4	1.9	2.8	1.9	0.9	0.4	0.2	0.4
22	0.4	0.7	4.3	2.7	3.2	1.9	2.9	2.0	0.9	0.4	0.3	0.4
23	0.3	0.7	3.6	2.7	3.1	1.9	2.9	2.1	0.9	0.4	0.3	0.3
24	0.3	0.7	2.9	2.6	2.9	8.8	2.8	2.1	1.0	0.4	0.3	0.3
25	0.3	0.6	2.7	2.4	2.8	9.7	2.7	1.9	1.0	0.4	0.3	0.3
26	0.3	0.6	2.6	2.4	2.7	4.1	2.6	1.8	0.8	0.4	0.3	0.4
27	0.3	0.6	2.2	2.3	2.7	3.4	2.4	1.7	0.8	0.4	0.3	0.3
28	0.3	0.6	2.1	2.7	2.6	3.1	2.4	1.7	0.7	0.4	0.3	0.3
29	0.3	0.7	2.1	4.8		2.7	2.4	1.6	0.6	0.4	0.2	0.2
30	0.3	0.6	2.0	3.1		2.4	2.4	1.5	0.6	0.4	0.2	0.1
31	0.3		1.9	2.8		2.3		1.5		0.4	0.2	
	8.4	50.5	108.9	102.0	135.3	83	114.5	63.7	31.6	14.9	8.5	10.2
MEAN	0.27	1.68	3.51	3.29	4.83	2.85	3.82	2.05	1.05	0.48	0.27	0.34
ACRE-FEET	17	100	216	202	268	175	227	126	63	30	17	20

Remarks:

YEAR OR PERIOD MEAN 2.02
ACRE-FEET 1460.

FORM F. C. Dist. 52 8-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. UA-R

Daily discharge, in second-feet of SANTA ANITA CREEK above Santa Anita Dam for the year ending September 30, 19 51

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.4	0.6	0.7	0.4	1.1	1.8	0.7	1.8	0.4	0.3	0.1	0.1
2	0.4	0.5	0.7	0.5	1.0	1.7	0.7	1.6	0.3	0.3	0.1	0.1
3	0.3	0.4	0.7	0.6	1.0	1.5	0.7	1.4	0.3	0.3	0.2	0.1
4	0.3	0.4	0.7	0.7	0.9	1.4	0.9	1.2	0.3	0.3	0.2	0.1
5	0.3	0.4	0.7	0.7	0.8	1.4	1.0	1.2	0.4	0.3	0.2	0.1
6	0.3	0.4	0.7	0.7	0.8	1.4	0.8	1.2	0.4	0.2	0.1	0.1
7	0.3	0.4	0.7	0.7	0.8	1.3	0.8	1.0	0.4	0.1	0.1	0.1
8	0.3	0.4	0.7	0.6	0.8	1.3	0.8	1.0	0.5	0.1	0.1	0.1
9	0.3	0.4	0.7	0.6	0.7	1.2	0.7	0.9	0.5	0.1	0.1	0.1
10	0.3	0.4	0.6	0.7	0.7	1.3	0.7	0.8	0.4	0.1	0.2	0.1
11	0.3	0.4	0.6	4.5	0.7	1.1	0.7	0.9	0.4	0.2	0.2	0.1
12	0.2	0.4	0.6	1.5	0.8	1.0	0.7	0.8	0.4	0.2	0.2	0.1
13	0.2	0.6	0.6	1.0	0.8	1.0	0.6	0.8	0.4	0.2	0.1	0.1
14	0.2	0.9	0.6	1.0	0.7	1.0	0.6	0.9	0.4	0.2	0.1	0.1
15	0.2	0.7	0.6	1.0	0.7	0.9	0.7	0.8	0.4	0.1	0.1	0.1
16	0.2	0.7	0.6	1.0	0.7	1.0	0.7	0.8	0.4	0.1	0.1	0.1
17	0.2	0.7	0.6	1.0	0.7	0.9	0.7	0.7	0.4	0.1	0.1	0.1
18	0.2	0.8	0.5	1.0	0.7	0.9	0.7	0.7	0.4	0.1	0.1	0.1
19	0.2	2.3	0.5	2.5	0.7	0.8	0.7	0.6	0.4	0.1	0.1	0.1
20	0.2	1.7	0.5	1.0	0.7	0.8	0.7	0.6	0.4	0.1	0.1	0.1
21	0.3	1.1	0.5	1.0	0.7	0.8	0.7	0.7	0.4	0.1	0.1	0.1
22	0.3	0.9	0.5	1.1	0.9	0.8	0.7	0.7	0.4	0.1	0.1	0.1
23	0.3	0.8	0.5	1.0	1.0	0.7	0.7	0.6	0.4	0.1	0.1	0.1
24	0.3	0.7	0.4	1.0	1.0	0.7	0.7	0.6	0.4	0.1	0.1	0.1
25	0.3	0.7	0.4	0.9	0.9	0.7	0.6	0.5	0.4	0.1	0.1	0.1
26	0.4	0.7	0.4	0.9	1.0	0.7	1.6	0.4	0.4	0.1	0.1	0.1
27	0.9	0.7	0.5	0.9	1.5	0.7	1.1	0.4	0.4	0.1	0.1	0.1
28	0.6	0.7	0.5	0.9	1.3	0.7	2.9	0.4	0.3	0.1	0.1	0.1
29	0.6	0.6	0.5	2.4		0.7	4.6	0.4	0.3	0.1	0.1	0.1
30	0.5	0.6	0.5	1.9		0.8	2.3	0.4	0.3	0.1	0.1	0.1
31	0.6		0.4	1.4		0.8		0.4		0.1	0.1	
	10.4	21.0	17.7	35.1	24.1	31.8	31.9	25.2	11.6	4.6	3.7	3.0
MEAN	0.34	0.70	0.57	1.13	0.86	1.03	1.06	0.81	0.39	0.15	0.12	0.10
ACRE-FEET	21.	42.	35.	70.	48.	63.	63.	50.	23.	9.1	7.3	6.0

Remarks:

YEAR OR PERIOD MEAN 0.60
ACRE-FEET 437.

STATION F119B-R

SANTA ANITA CREEK below Santa Anita Dam

LOCATION: WATER STAGE RECORDER, LAT. 34°11'03", LONG. 118°01'07", ON THE LEFT (EAST) WALL OF THE CONCRETE OUTLET CHANNEL IMMEDIATELY BELOW SANTA ANITA DAM. THIS STATION MEASURES LOW FLOWS ONLY. MAJOR VALVE DISCHARGES PASS OVER STATION. ELEVATION OF GAGE ABOUT 1100 FEET.

DRAINAGE AREA: 10.8 SQUARE MILES.

CHANNEL AND CONTROL: RECTANGULAR CONCRETE CHANNEL WITH FLASHBOARD GATE, CONTAINING A V-NOTCH WEIR. THIS STATION RECORDS IRRIGATION RELEASES AND SMALL FLOWS ONLY.

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, 1949 TO SEPTEMBER 30, 1951.

REGULATION: FLOW ENTIRELY REGULATED BY SANTA ANITA DAM.

DIVERSIONS: NONE.

RECORDS AVAILABLE: FEBRUARY 6, 1948 TO SEPTEMBER 30, 1951. EARLIER RECORDS ARE AVAILABLE FROM DAM OUTFLOW RECORDS AND STATION 119 LOCATED APPROXIMATELY 1/4 MILE DOWNSTREAM.

EXTREMES OF DISCHARGE: SEE REMARKS.

ACCURACY: GOOD.

REMARKS: FLOW RECORDS LIMITED TO 10 SECOND FEET. (SEE CHANNEL AND CONTROL).

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

DISCHARGE MEASUREMENTS OF SANTA ANITA CREEK

AT OR NEAR below Big Santa Anita Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 50

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION 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	12-28	0825 / 0828	MOON	1.8	1.98	1.57	1.08	3.1		.6	2	0	FC22
37	1-11	0953 / 0957	MOON - GUTIERREZ	1.8	2.46	1.30	1.10	3.2		.6	2	0	"
38	3-6	1315 / 1327	MOON - WADDICOR	5.0	2.12	0.87	0.91	1.9		.6	8	0	FC48H
39	3-23	1005 / 1015	MOON - BROWN	4.0	1.03	1.45	0.78	1.5		.5	8	0	"
40	4-19	1420 / 1427	MOON	3.8	0.85	1.53	0.74	1.3		.5	6	0	"
41	7-5	1530	STUNDEN				0.75	1.3		V-NOTCH WEIR			
42	7-13	0825	"				0.75	1.3		"	"		

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F119B-R

Daily discharge, in second-feet of SANTA ANITA CREEK below Santa Anita Dam, for the year ending September 30, 1950

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.2	1.1	1.1	1.4	1.9	2.0	1.5	1.2	1.3	1.3	1.3	1.2
2	1.2	0.7	1.1	1.4	1.8	2.0	1.5	1.2	1.3	1.3	1.3	1.2
3	1.2	0.04	1.1	1.4	1.9	2.0	1.5	1.2	1.3	1.3	1.3	1.2
4	1.2	0.04	1.1	1.4	1.9	2.0	1.5	1.2	1.3	1.3	1.3	1.2
5	1.2	0.04	1.1	1.4	1.9	2.0	1.5	1.2	1.3	1.3	1.3	1.2
6	1.2	0.04	1.1	1.4	6.2	2.0	1.5	1.2	1.3	1.3	1.3	1.2
7	1.2	0.8	1.1	1.4	b 9.0	2.0	1.5	1.2	1.3	1.3	1.3	1.2
8	1.2	1.1	1.1	1.5	9.0	2.0	1.6	1.2	1.3	1.3	1.2	1.2
9	1.2	0.8	1.1	1.4	9.0	1.9	1.5	1.2	1.3	1.3	1.2	1.2
10	1.2	0.2	1.1	2.5	9.0	a 1.5	1.5	1.2	1.3	1.3	1.2	1.2
11	1.2	0.01	1.1	3.2	9.0	2.0	1.5	1.2	1.3	1.3	1.2	1.2
12	1.2	0.01	1.1	6.8	9.0	2.0	1.5	1.3	1.3	1.3	1.2	1.2
13	1.2	0.01	1.1	10.1	9.0	2.0	1.5	1.3	1.3	1.3	1.2	1.2
14	1.2	1.3	1.1	5.4	9.0	2.0	1.5	1.3	1.3	1.3	1.2	1.2
15	1.2	1.9	1.1	3.1	b 9.0	2.0	1.5	1.3	1.3	1.3	1.2	1.2
16	1.2	1.9	1.1	3.1	5.5	2.0	1.5	1.3	1.3	1.3	1.2	1.2
17	1.2	1.9	1.1	3.1	3.4	2.0	1.5	1.3	1.3	1.3	1.2	1.2
18	0.9	1.9	1.3	3.1	b 3.2	2.0	1.3	1.3	1.3	1.3	1.2	1.2
19	0.06	1.9	12	3.1	3.2	2.0	1.2	1.3	1.3	1.3	1.2	1.2
20	0.06	1.9	24	3.1	3.2	1.7	1.2	1.3	1.3	1.3	1.2	1.2
21	0.06	1.9	14	3.1	3.2	1.5	1.2	1.3	1.3	1.3	1.2	1.1
22	0.06	1.5	3.6	3.1	b 3.2	1.5	1.2	1.3	1.2	1.3	1.2	1.1
23	0.06	1.2	3.1	3.1	2.7	1.5	1.2	1.3	1.3	1.3	1.2	1.1
24	0.5	1.2	3.0	3.1	3.2	1.5	1.2	1.3	1.3	1.3	1.2	1.1
25	1.1	1.2	2.9	2.4	3.2	1.5	1.2	1.3	1.3	1.3	1.2	1.1
26	0.8	1.2	2.9	1.9	3.2	1.5	1.2	1.3	1.3	1.3	1.2	1.1
27	0.04	1.2	2.9	1.9	2.5	1.5	1.2	1.3	1.3	1.3	1.2	1.1
28	0.04	1.1	1.9	1.9	2.0	1.5	1.2	1.3	1.3	1.3	1.2	1.1
29	0.04	1.1	1.4	1.9		1.5	1.2	1.3	1.3	1.3	1.2	1.1
30	0.04	1.1	1.4	1.9		a 1.5	1.2	1.3	1.3	1.3	1.2	1.1
31	0.6		1.4	1.9		1.5		1.3		1.3	1.2	
	24.76	30.29	94.5	85.5	138.3	55.6	41.3	39.2	38.9	40.3	37.9	35.0
MEAN	0.80	1.01	3.05	2.76	4.94	1.79	1.38	1.26	1.30	1.30	1.22	1.17
ACRE-FEET	49.	60.	187.	170.	274.	110.	82.	78.	77.	80.	75.	69.

YEAR OR PERIOD MEAN 1.81
ACRE-FEET 1310.

75DT4M F. C. Dist. 52 9-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F119-R

Daily discharge, in second-feet of SANTA ANITA CREEK below Santa Anita Dam, for the year ending September 30, 1951

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.1	1.0	0.5	0.8	0	0.1	0.6	0.6	0.6	0.6	0.6	0.6
2	1.1	1.0	0.5	0.4	0	0	0.6	0.6	0.6	0.6	0.6	0.6
3	1.8	1.0	0.5	0.2	0	0	0.6	0.6	0.6	0.6	0.6	0.6
4	3.2	1.0	0.5	0	0	0	0.6	0.6	0.6	0.6	0.6	0.4
5	3.2	1.0	0.5	0	0	0	0.6	0.6	0.6	0.6	0.6	0.2
6	3.2	1.0	0.5	0.6	0	0	0.6	0.6	0.6	0.6	0.6	0.6
7	3.2	1.0	0.6	1.0	0	0	0.6	0.6	0.6	0.6	0.6	0.6
8	3.2	1.0	0.8	1.0	0.7	0.2	0.6	0.6	0.6	0.6	0.6	0.6
9	3.1	1.0	0.8	1.0	1.1	0.6	0.6	0.6	0.6	0.6	0.6	0.6
10	3.1	1.0	0.5	0.5	1.1	0.6	0.6	0.6	0.6	0.6	0.6	0.6
11	3.1	1.0	0	0.1	1.1	0.6	0.6	0.6	0.6	0.6	0.6	0.6
12	3.1	1.0	0	0	1.1	0.6	0.6	0.6	0.6	0.6	0.6	0.6
13	3.1	1.0	0.4	0	1.1	0.3	0.6	0.6	0.6	0.6	0.6	0.6
14	3.1	1.0	0.8	0	1.1	0.3	0.6	0.6	0.6	0.6	0.6	0.6
15 *	3.1	1.0	0.8	0	1.1	0.6	0.6	0.6	0.6	0.6	0.6	0.6
16 *	3.1	1.0	0.8	0	1.1	0.6	0.6	0.6	0.6	0.6	0.6	0.6
17	2.2	0.8	0.5	0	1.1	0.6	0.6	0.6	0.6	0.6	0.6	0.6
18	1.0	0.5	0	0	1.1	0.6	0.6	0.6	0.6	0.6	0.6	0.6
19	1.0	0.5	0	0.1	1.1	0.6	0.6	0.6	0.6	0.6	0.6	0.6
20	1.0	0.5	0	0	1.1	0.6	0.6	0.6	0.6	0.6	0.6	0.6
21	1.0	0.5	0.5	0	0.8	0.6	0.6	0.6	0.6	0.6	0.6	0.6
22	1.0	0.5	0.8	0	0	0.6	0.6	0.6	0.6	0.6	0.6	0.6
23	1.0	0.5	0.8	0	0	0.6	0.6	0.6	0.6	0.6	0.6	0.6
24	1.0	0.5	0.8	0	0	0.6	4.5	0.6	0.6	1.2	0.6	0.6
25	1.0	0.5	0.4	0.8	0	0.6	0.6	0.6	0.6	0.6	0.6	0.6
26	1.0	0.5	0	1.1	0	0.6	0.6	0.6	0.6	0.6	0.6	0.6
27	1.0	0.5	0	1.1	0	0.6	0.6	0.6	0.6	0.6	0.6	0.6
28	1.0	0.5	0	1.1	0	0.6	0.6	0.6	0.6	0.6	0.6	0.6
29	1.0	0.5	0.5	0.6		0.6	0.6	0.6	0.6	0.6	0.6	0.6
30	1.0	0.5	0.8	0		0.6	0.6	0.6	0.6	0.6	0.6	0.6
31	1.0		0.8	0		0.6		0.6		0.6	0.6	
	61.0	23.3	14.4	10.4	14.7	13.5	21.9	18.6	18.0	19.2	18.6	17.4
MEAN	1.97	0.78	0.46	0.34	0.52	0.44	0.73	0.60	0.60	0.62	0.60	0.58
ACRE-FEET	121.	46.	29.	21.	29.	27.	43.	37.	36.	38.	37.	35.

Remarks: * leak below weir added.

YEAR OR PERIOD MEAN 0.69
ACRE-FEET 499.

STATION F260d-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 LITTLE SANTA ANITA CREEK. THE FORMER STATION F260-R WAS ABOUT 0.4 MILE UPSTREAM FROM FOOTHILL BLVD. 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, 1949 TO SEPTEMBER 30, 1951.

REGULATION: FLOW PARTIALLY REGULATED BY BIG SANTA ANITA DAM AND SIERRA MADRE DAM.

DIVERSIONS: ABOUT 2 SECOND-FEET DIVERTED FOR IRRIGATION AT MOUTH OF SANTA ANITA CANYON. THE CITY OF SIERRA MADRE DIVERTS WATER FROM LITTLE SANTA ANITA CANYON. FLOW OCCASIONALLY DIVERTED FOR SPREADING FROM LITTLE SANTA ANITA CREEK AT SIERRA MADRE SPREADING GROUNDS.

RECORDS AVAILABLE: APRIL 22, 1938 TO SEPTEMBER 30, 1951. FOR RECORDS PRIOR TO APRIL 1938, SEE STATIONS F21-R, F119-R, AND F260-R.

EXTREMES OF DISCHARGE:

1949-50
MAXIMUM 48 SECOND-FEET, NOVEMBER 10.
MINIMUM NO FLOW MOST OF YEAR.
1950-51
MAXIMUM 77 SECOND-FEET, JANUARY 11.
MINIMUM NO FLOW MOST OF YEAR.
1936-51 (STATIONS F260-R AND F260B-R)
MAXIMUM NOT DETERMINED.
MAXIMUM OUTFLOW FROM SANTA ANITA DAM, 5,070 SECOND-FEET, MARCH 2, 1938.
MINIMUM NO FLOW AT VARIOUS TIMES.

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

REMARKS: SOME FLOW PERCOLATED BEFORE REACHING STATION.

DISCHARGE MEASUREMENTS OF SANTA ANITA WASH

AT ~~NEAR~~ Foothill Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 1950

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
456	12-18	1707 / 1717	MOON - GUTIERREZ	12.0	3.40	4.03		13.7		.6	6		FC22
457	12-19	1415 / 1420	"	6.0	0.51	2.35		1.2		.6	4		"
458	12-19	1650 / 1655	"	13.0	1.80	2.33		4.2		.6	5		"
459	12-21	0835 / 0845	MOON - STUNDEN	TWO CHANNELS				6.3		.6	7		"
460	1-8	1740 / 1745	MOON - GUTIERREZ	"	"			9.7		.6	6		"
461	2-6	0610 / 0615	"	"	"			1.6		.6	4		"
462	2-9	1300	MOON	2.0	0.12	1.67		0.20	FLOATS		1		

DISCHARGE MEASUREMENTS OF SANTA ANITA WASH

AT ~~NEAR~~ Foothill Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 1951

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
463	1-29	0913 / 0916	MOON-MURPHY	5.0	0.50	2.40		1.2	FLOATS		4		FC22
465	1-29	1134 / 1138	"	7.0	2.05	6.92		14.2		.6	4		"

F. C. Dist. Form 52 4-48

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F2308-R

Daily discharge, in second-feet of SANTA ANITA WASH at Foothill Boulevard for the year ending September 30, 19 50

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	v 2.8	0	0	0	0	0	0	0
7	0	0	0	0	e 0.1	0	0	0	0	0	0	0
8	0	0	0	v 1.7	0.1	0	v 1.7	0	0	0	0	0
9	0	v 0.1	0	0	0.1	0	0	0	0	0	0	0
10	0	v 5.2	0	0	0.1	0	0	0	0	0	0	0
11	0	0	0	v 1.2	0.1	0	0	0	0	0	0	0
12	0	0	0	e 0.1	0.1	0	0	0	0	0	0	0
13	0	0	0	e 0.1	0.1	0	0	0	0	0	0	0
14	0	0	0	e 0.1	0.1	0	0	0	0	0	0	0
15	0	0	0	0	0.1	0	0	0	0	0	0	0
16	0	0	0	0	e 0.1	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	v 4.2	0	0	0	0	0	0	0	0	0
19	0	0	2.0	0	0	0	0	0	0	0	0	0
20	0	0	6.3	0	0	0	0	0	0	0	0	0
21	0	0	v 3.4	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	v 2.2	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	v 1.5	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	5.3	15.9	3.2	3.8	3.7	1.7	0	0	0	0	0
MEAN	0	0.18	0.51	0.10	0.14	0.12	0.06	0	0	0	0	0
ACRE-FEET	0	11.	32.	6.3	7.5	7.3	3.4	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 0.092
ACRE-FEET 68.

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F2308-R

Daily discharge, in second-feet of SANTA ANITA WASH at Foothill Boulevard for the year ending September 30, 19 51

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0.9	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	0.5	0	0	0	0	0	0	0	0
11	0	0	0	2.1	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	0.1	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	0.4	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	0.2	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	0.5	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	5.9	0	0	0	0	0
29	0	0	0	0.8		0	0.2	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	3.8	0.7	0.9	5.1	0.1	0	0	0	0
MEAN	0	0	0	0.12	.023	.030	.203	.003	0	0	0	0
ACRE-FEET	0	0	0	7.5	1.4	1.8	12.	.2	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN .032
ACRE-FEET 23.

STATION F93-R

SANTA CLARA RIVER above Lang R.R. 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 18, 1949 TO SEPTEMBER 30, 1951.

REGULATION: NONE.

DIVERSIONS: THERE ARE DIVERSIONS FOR IRRIGATION.

RECORDS AVAILABLE: RECORDER RECORDS AVAILABLE FROM OCTOBER 18, 1949 TO SEPTEMBER 30, 1951. STREAM FLOW MEASUREMENTS FROM NOVEMBER 1929.

EXTREMES OF DISCHARGE:

1949-50
MAXIMUM 6.0 SECOND-FEET, FEBRUARY 6.
MINIMUM 0.8 SECOND-FOOT, AT TIMES DURING OCTOBER, NOVEMBER, JULY, AUGUST AND SEPTEMBER.

1950-51
MAXIMUM 2.0 SECOND-FEET, APRIL 28.
MINIMUM 0.2 SECOND-FOOT, VARIOUS TIMES.

ACCURACY: GOOD.

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

DISCHARGE MEASUREMENTS OF SANTA CLARA RIVER

AT OR NEAR above Lang R.R. Station DURING THE YEAR ENDING SEPTEMBER 30, 19 50

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.
1	10-6	1510 / 1515	LUCE	2.5	0.62	1.94		1.2		.6	5		FC39
2	10-20	1430 / 1435	"	3.3	0.80	1.06	2.68	0.85		.6	6	0	"
3	10-27	1445 / 1450	"	2.4	0.63	1.59	2.69	1.0		.6	5	0	"
4	11-3	1020 / 1025	"	2.4	0.61	1.33	2.69	0.81		.6	5	0	"
5	11-10	1225 / 1230	"	2.7	0.72	1.53	2.71	1.1		.6	5	0	"
6	11-17	1335 / 1340	"	2.3	0.58	1.43	2.68	0.83		.6	5	0	"
7	11-25	0835 / 0840	"	2.5	0.61	1.54	2.69	0.94		.6	5	0	"
8	12-1	0920 / 0925	"	2.8	0.65	1.41	2.69	0.92		.6	6	0	"
9	12-8	1420 / 1425	"	3.0	0.74	1.49	2.69	1.1		.6	6	0	"
10	12-16	1250 / 1255	"	3.0	0.73	1.26	2.69	0.92		.6	6	0	"
11	12-22	1315 / 1320	"	3.0	0.73	1.37	2.69	1.0		.6	5	0	"
12	12-29	1310 / 1315	"	3.0	0.72	1.67	2.70	1.2		.6	5	0	"
13	1-5	0935 / 0940	"	2.8	0.70	1.57	2.71	1.1		.6	5	0	"
14	1-8	1535 / 1540	"	3.0	0.76	1.84	2.74	1.4		.6	5	0	"
15	1-11	1130 / 1135	"	3.0	0.64	1.87	2.73	1.2		.6	5	0	"
16	1-12	0930 / 0935	"	3.0	0.60	2.17	2.72	1.3		.6	5	0	"
17	1-19	1025 / 1030	"	2.5	0.61	1.80	2.75	1.1		.6	5	0	"
18	1-26	0925 / 0930	"	3.0	0.85	1.65	2.78	1.4		.6	6	0	"
19	2-2	1125 / 1130	"	4.5	1.53	2.22	2.92	3.4		.6	6	0	"
20	2-6	0620 / 0625	"	5.0	1.93	2.44	3.01	4.7		.6	6	+.01	"
21	2-6	0953 / 0958	"	5.5	2.47	2.43	3.03	6.0		.6	6	0	"
22	2-8	1100 / 1105	"	4.8	1.69	2.48	3.00	4.2		.6	7	0	"
23	2-16	0900 / 0905	"	4.8	1.46	2.42	2.97	3.6		.6	5	0	"
24	2-23	1410 / 1415	"	4.7	1.49	2.01	2.96	3.0		.6	5	0	"
25	3-2	0845 / 0850	"	3.6	1.47	1.63	2.98	2.4		.6	6	0	"
26	3-2	1040 / 1045	"	4.6	1.67	1.62	2.99	2.7		.6	5	0	"
27	3-9	0955 / 1000	"	4.5	1.57	1.91	3.01	3.0		.6	5	0	"
28	3-16	1140 / 1145	LUCE - LINDSAY	3.5	1.78	1.74	3.05	3.1		.6	5	0	"
29	3-30	1235 / 1240	LUCE	3.9	1.65	1.45	3.10	2.4		.6	7	0	"
30	4-6	1005 / 1010	"	4.5	1.83	1.09	3.10	2.0		.6	5	0	"
31	4-13	1235 / 1240	"	4.5	1.74	1.32	3.18	2.3		.6	6	0	"
32	4-21	0945 / 0950	"	4.0	1.47	1.22	3.17	1.8		.6	5	0	"
33	4-27	0825 / 0830	"	4.0	1.48	1.22	3.15	1.8		.6	5	0	"
34	5-4	0620 / 0625	"	5.6	2.38	0.92	3.18	2.2		.6	9	0	"
35	5-11	0920 / 0925	"	5.0	1.97	0.91	3.19	1.8		.6	7	0	"
36	5-18	0955 / 1000	"	5.0	1.81	0.99	3.16	1.8		.6	6	0	"
37	5-25	1650 / 1655	"	4.5	1.61	0.87	3.11	1.4		.6	5	0	"
38	6-1	0920 / 0925	"	4.8	1.73	0.58	3.16	1.0		.6	6	0	"
39	6-8	0945 / 0950	"	4.0	1.97	0.96	3.20	1.9		.6	6	0	"
40	6-15	0850 / 0855	"	3.5	1.75	0.86	3.20	1.5		.6	4	0	"
41	6-23	1345 / 1351	TURNER	5.0	2.01	0.65	3.24	1.3		.6	5	0	FC43
42	7-6	1030 / 1035	LUCE	4.5	2.18	0.44	3.24	0.96		.6	5	0	FC39
43	7-13	1025 / 1030	"	3.2	0.78	1.02	3.25	0.80		.6	5	0	"
44	7-20	1020 / 1025	"	4.5	1.31	0.69	3.13	0.90		.6	5	0	"
45	8-1	1245 / 1250	"	4.5	0.84	0.92	3.13	0.77		.6	5	0	"
46	8-10	1350 / 1355	TURNER	4.8	1.14	0.84	3.14	0.96		.5	5	0	FC43
47	8-17	0919 / 0925	"	4.8	1.32	0.68	3.18	0.90		.5	6	0	"
48	8-24	1005 / 1010	LUCE	4.0	1.26	0.79	3.17	1.00		.6	4	0	FC39
49	8-29	0945 / 0950	"	4.5	1.24	0.80	3.18	0.99		.6	6	0	"
50	9-7	1130 / 1135	"	4.8	1.24	0.81	3.18	1.0		.6	5	0	"
51	9-14	1200 / 1205	"	4.5	1.08	0.93	3.13	1.0		.6	6	0	"
52	9-21	0930 / 0935	"	3.6	0.86	1.10	3.04	0.95		.6	5	0	"
53	9-28	1105 / 1110	"	3.8	0.78	0.96	3.05	0.75		.6	6	0	"

DISCHARGE MEASUREMENTS OF SANTA CLARA RIVER

Above Lang R.R. Station DURING THE YEAR ENDING SEPTEMBER 30, 1951

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
54	10-6	0805 / 0810	LUCE	4.4	1.05	1.05	3.06	1.1		.6	6	0	FC39
55	10-13	1020 / 1025	"	4.2	0.85	0.82	2.99	0.70		.6	6	0	"
56	10-19	0810 / 0815	"	4.0	0.83	0.96	2.99	0.80		.6	7	0	FC41
57	10-26	0935 / 0943	LUCE-LINDSAY	4.0	0.77	0.91	2.99	0.70		.6	6	0	"
58	11-2	0950 / 0955	LUCE	4.2	0.88	0.93	2.99	0.82		.6	8	0	"
59	11-9	0750 / 0755	"	4.2	0.81	0.91	2.98	0.74		.6	7	0	"
60	11-16	0945 / 0950	"	4.1	0.78	0.92	2.98	0.72		.6	7	0	"
61	11-22	0915 / 0920	"	4.1	0.76	0.99	2.92	0.75		.6	7	0	"
62	11-30	0855 / 0900	"	3.8	0.57	1.05	2.88	0.60		.6	7	0	"
63	12-8	0830 / 0835	"	3.8	0.72	1.07	2.88	0.77		.6	8	0	"
64	12-14	0855 / 0900	"	3.6	0.64	1.19	2.87	0.76		.6	6	0	"
65	12-21	1440 / 1445	"	3.7	0.59	1.07	2.86	0.63		.6	7	0	"
66	12-28	1430 / 1435	"	3.7	0.66	0.91	2.84	0.60		.6	8	0	"
67	1-4	0905 / 0910	"	3.5	0.73	1.01	2.82	0.74		.6	8	0	"
68	1-11	0840 / 0845	"	3.5	0.63	1.26	2.82	0.82		.6	8	0	"
69	1-18	1255 / 1300	"	3.2	0.62	1.29	2.79	0.80		.6	8	0	"
70	1-25	0903 / 0908	LUCE-BROWN	3.5	0.69	1.12	2.78	0.77		.6	8	0	"
71	2-1	0645 / 0650	LUCE	3.7	0.70	1.20	2.77	0.84		.6	9	0	"
72	2-8	1340 / 1345	"	3.5	0.68	0.96	2.78	0.65		.6	8	0	"
73	2-14	0845 / 0850	"	3.5	0.71	1.00	2.79	0.71		.6	8	0	"
74	2-21	0635 / 0640	"	3.5	0.73	0.89	2.82	0.65		.6	8	0	"
75	3-1	1145 / 1150	"	3.5	0.90	1.00	2.84	0.90		.6	8	0	"
76	3-8	0920 / 0930	LUCE-THOMAS	3.8	0.87	1.06	2.85	0.92		.6	9	0	"
77	3-15	1045 / 1050	LUCE	4.0	1.10	1.00	2.89	1.1		.6	9	0	"
78	3-23	1525 / 1534	TURNER	4.0	1.38	1.01	2.95	1.4		.6	7	0	FC43
79	3-28	0850 / 0900	LUCE	4.0	1.02	1.27	2.96	1.3		.6	9	0	FC41
80	4-4	1215 / 1225	"	4.1	0.99	1.31	3.00	1.3		.6	9	0	"
81	4-12	0825 / 0830	"	4.3	1.18	1.44	3.02+	1.7		.6	10	0	"
82	4-20	0920 / 0925	"	4.0	1.09	1.37	3.05	1.5		.6	9	0	"
83	4-27	1220 / 1225	"	3.7	1.09	1.28	3.06	1.4		.6	9	0	"
84	5-3	0940 / 0945	"	3.7	1.25	1.28	3.12	1.6		.6	9	0	"
85	5-11	0925 / 0930	"	3.8	1.56	1.09	3.18	1.7		.6	9	0	"
86	5-17	1030 / 1035	"	4.3	1.80	0.89	3.23	1.6		.6	9	0	"
87	5-24	1055 / 1105	"	4.8	1.63	0.98	3.15+	1.6		.6	11	0	"
88	6-1	1420 / 1428	THOMAS	4.6	1.35	0.81	3.14	1.1		.5	7	0	FC42
89	6-7	0910 / 0915	LUCE	4.4	1.59	0.88	3.18	1.4		.6	10	0	FC41
90	6-14	1045 / 1050	"	4.3	1.75	0.80	3.20	1.4		.6	7	0	"
91	6-21	1120 / 1125	"	4.3	1.70	0.88	3.24	1.5		.6	10	0	"
92	6-27	1215 / 1220	"	4.0	1.53	0.92	3.25	1.4		.6	9	0	"
93	7-5	1635 / 1640	"	4.5	1.59	0.75	3.25	1.2		.6	10	0	"
94	7-12	1535 / 1540	"	3.5	1.20	0.92	3.24	1.1		.6	8	0	"
95	7-19	1005 / 1010	"	3.5	1.44	0.76	3.27	1.1		.6	8	0	"
96	7-26	1710 / 1715	"	4.0	1.46	0.82	3.22	1.2		.6	9	0	"
97	8-2	0925 / 0930	"	3.5	1.20	1.00	3.22	1.2		.6	8	0	"
98	8-9	1650 / 1655	"	3.5	1.21	0.81	3.20	0.98		.6	8	0	"
99	8-16	0920 / 0925	"	3.5	1.36	0.88	3.22	1.2		.6	8	0	"
100	8-23	1042 / 1047	"	3.5	1.36	0.96	3.23	1.3		.6	8	0	"
101	8-30	1315 / 1320	"	3.5	1.46	0.89	3.25	1.3		.6	8	0	"
102	9-6	1215 / 1225	"	3.7	1.10	0.85	3.25	0.93		.6	9	0	"
103	9-13	1735 / 1740	"	3.8	1.09	0.84	3.25	0.91		.6	9	0	"
104	9-20	0845 / 0850	"	3.5	0.98	0.94	3.27	0.92		.6	8	0	"
105	9-27	1420 / 1425	"	3.3	1.08	0.84	3.28	0.91		.6	8	0	"

F. C. Dist. Form 55 4-48

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F93R

Daily discharge, in second-feet of SANTA CLARA RIVER near Lang Station, for the year ending September 30, 1950

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.0	0.8	0.9	1.1	3.3	2.6	2.4	2.1	1.0	1.0	0.8	1.1
2	1.1	0.8	0.9	1.1	3.3	2.7	2.4	2.2	1.1	1.0	0.8	1.1
3	1.1	0.8	1.0	1.1	3.3	2.8	2.1	2.2	1.3	0.9	0.8	1.0
4	1.2	0.8	1.0	1.1	3.3	2.6	2.1	2.2	1.4	0.9	0.8	1.0
5	1.2	0.8	1.0	1.1	3.5	2.6	2.0	2.1	1.6	0.9	0.8	1.0
6	1.2	0.8	1.0	1.1	5.2	2.8	2.0	2.2	1.8	1.0	0.8	1.0
7	1.2	0.9	1.1	1.2	5.2	2.8	1.9	2.1	1.9	0.9	0.8	1.0
8	1.2	0.9	1.1	1.3	4.3	3.0	2.6	1.9	1.8	0.8	0.8	1.0
9	1.1	1.0	1.1	1.4	4.3	3.0	3.5	1.9	1.7	0.9	0.8	1.0
10	1.1	1.1	1.1	1.2	4.5	3.1	2.8	1.8	1.6	0.8	0.8	1.1
11	1.1	1.0	1.0	1.2	4.3	3.3	2.6	1.7	1.7	0.8	0.8	1.1
12	1.0	1.0	1.0	1.3	4.0	3.3	2.4	1.7	1.8	d 0.8	0.8	1.0
13	1.0	1.0	1.0	1.4	3.8	3.1	2.2	1.7	1.6	0.8	0.8	c 1.0
14	1.0	0.9	1.0	1.2	3.8	3.3	2.2	1.7	1.5	0.8	0.8	1.0
15	0.9	0.8	0.9	1.1	3.6	3.1	2.2	1.8	1.4	0.8	0.8	1.0
16	0.9	0.8	0.9	1.1	3.6	3.3	2.1	1.8	1.4	0.8	0.8	1.0
17	0.9	0.8	0.9	1.1	3.5	3.3	2.1	1.9	1.3	0.8	0.8	1.0
18	0.8	0.8	0.9	1.0	3.3	3.1	1.9	1.9	1.3	0.8	0.8	0.9
19	0.8	0.8	1.0	1.1	3.3	3.0	1.9	1.8	1.4	0.8	1.0	0.9
20	0.8	0.8	1.0	1.0	3.0	2.8	1.8	1.8	1.4	d 0.8	1.0	0.9
21	0.8	0.8	1.0	1.0	3.0	2.8	1.8	1.7	1.3	0.8	1.0	c 0.9
22	0.8	0.8	1.0	1.1	3.0	3.0	1.8	1.4	1.2	0.8	0.9	0.9
23	0.9	0.8	1.0	1.2	3.0	2.8	1.9	1.4	1.3	0.8	1.0	0.9
24	0.9	1.0	1.0	1.2	3.0	3.3	1.8	1.4	1.2	0.8	1.0	0.8
25	1.0	1.0	1.1	1.3	3.0	4.0	1.9	1.4	1.2	0.8	1.0	0.8
26	1.0	1.0	1.1	1.4	2.8	3.3	1.8	1.4	1.1	0.8	1.0	0.8
27	1.0	1.0	1.1	1.6	2.7	3.0	1.8	1.2	1.1	0.8	1.0	0.8
28	1.0	1.0	1.1	1.8	2.7	2.8	1.8	1.2	1.1	0.8	1.0	0.8
29	1.0	0.9	1.2	2.4		2.6	1.9	1.1	1.1	0.8	1.0	0.8
30	0.9	0.9	1.2	2.7		2.5	2.0	1.0	1.0	0.8	1.0	0.8
31	0.9		1.2	3.0		2.5		1.1		0.8	1.0	
	30.8	26.6	31.8	41.9	99.6	92.6	63.7	52.8	41.6	25.9	27.3	28.4
MEAN	0.99	0.89	1.03	1.35	3.56	2.99	2.12	1.70	1.39	0.84	.88	0.95
ACRE-FEET	61.	53.	63.	83.	192.	184.	126.	105.	83.	50.	54	56.

Remarks:

YEAR OR PERIOD MEAN 1.54
ACRE-FEET 1110.

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F93R

Daily discharge, in second-feet of SANTA CLARA RIVER near Lang Station, for the year ending September 30, 1951

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.0	0.6	0.6	0.7	0.8	0.8	1.3	1.6	1.2	1.4	1.2	1.1
2	1.0	0.8	0.7	0.7	0.8	0.8	1.3	1.6	1.3	1.4	1.2	1.1
3	1.1	0.8	0.6	0.8	0.8	0.8	1.3	1.6	1.3	1.3	1.2	1.0
4	1.1	0.8	0.7	0.8	0.8	0.8	1.3	1.6	1.4	1.4	1.2	1.0
5	1.1	0.8	0.7	0.7	0.8	0.8	1.4	1.6	1.4	1.4	1.1	0.9
6	1.1	0.8	0.6	0.7	0.7	0.8	1.4	1.7	1.4	1.3	1.1	1.0
7	1.1	0.8	0.8	0.7	0.6	0.9	1.6	1.7	1.4	1.3	1.1	1.0
8	1.0	0.8	0.8	0.8	0.6	0.9	1.6	1.7	1.4	1.3	1.1	1.0
9	1.0	0.7	0.8	0.8	0.6	0.8	1.6	1.7	1.4	1.2	1.1	1.0
10	0.9	0.7	0.8	0.9	0.7	0.8	1.6	1.7	1.4	1.3	1.1	1.0
11	0.8	0.8	0.8	0.8	0.7	0.9	1.7	1.7	1.4	1.3	1.1	1.0
12	0.8	0.8	0.8	0.8	0.7	1.0	1.7	1.6	1.4	1.2	1.1	1.0
13	0.7	0.9	0.8	0.8	0.7	1.0	1.6	1.6	1.4	1.3	1.2	1.0
14	0.7	0.8	0.8	0.9	0.7	1.1	1.6	1.6	1.4	1.2	1.2	1.0
15	0.8	0.8	0.8	0.8	0.7	1.1	1.6	1.6	1.4	1.2	1.2	1.0
16	0.8	0.7	0.8	0.9	0.8	1.1	1.6	1.6	1.4	1.1	1.2	1.0
17	0.8	0.8	0.8	0.8	0.7	1.1	1.5	1.6	1.4	1.1	1.2	1.0
18	0.8	0.8	0.8	0.8	0.7	1.2	1.6	1.7	1.4	1.1	1.2	0.8
19	0.8	0.8	0.8	0.8	0.7	1.2	1.6	1.6	1.4	1.1	1.2	0.9
20	0.8	0.7	0.8	0.8	0.7	1.2	1.5	1.6	1.4	1.4	1.2	0.9
21	0.8	0.7	0.8	0.8	0.8	1.2	1.5	1.7	1.5	1.4	1.1	0.8
22	0.8	0.8	0.8	0.8	0.7	1.3	1.6	1.6	1.5	1.3	1.1	0.9
23	0.8	0.8	0.8	0.8	0.7	1.3	1.5	1.6	1.5	1.3	1.2	0.9
24	0.7	0.7	0.8	0.8	0.8	1.3	1.6	1.6	1.5	1.4	1.2	0.8
25	0.7	0.8	0.8	0.8	0.8	1.2	1.6	1.6	1.5	1.4	1.3	0.8
26	0.7	0.8	0.7	0.8	0.8	1.3	1.5	1.6	1.4	1.3	1.2	0.8
27	0.8	0.7	0.8	0.8	0.8	1.2	1.5	1.5	1.4	1.3	1.2	0.9
28	0.8	0.8	0.8	0.8	0.8	1.3	1.6	1.4	1.5	1.3	1.2	1.0
29	0.8	0.8	0.8	1.0		1.4	1.6	1.4	1.4	1.3	1.3	1.0
30	0.8	0.8	0.8	0.8		1.3	1.6	1.3	1.4	1.3	1.3	1.1
31	0.8		0.8	0.9		1.3		1.3		1.2	1.2	
	26.7	21.8	21.4	24.9	20.3	33.2	46.0	49.3	42.2	39.8	36.5	28.7
MEAN	.86	0.73	0.69	0.80	0.72	1.07	1.53	1.59	1.41	1.28	1.18	0.96
ACRE-FEET	53.	43.	42.	49.	40.	66.	91.	98.	84.	79.	72.	57.

Remarks:

YEAR OR PERIOD MEAN 1.07
ACRE-FEET 774.

STATION F92-R

SANTA CLARA RIVER at Highway 99

LOCATION: WATER-STAGE RECORDER, LAT. 34°25'35", LONG. 118°35'08", ON THE DOWNSTREAM SIDE OF THE U.S. HIGHWAY 99 BRIDGE ABOUT 3 MILES WEST OF SAUGUS. ELEVATION OF ZERO GAGE HEIGHT, 1038.24 FEET. THE FORMER STATION F92-R WAS ABOUT 1000 FEET DOWNSTREAM.

DRAINAGE AREA: 410.4 SQUARE MILES.

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

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM UPSTREAM SIDE OF U.S. HIGHWAY 99 BRIDGE.

RECORDER: INSTALLED JANUARY 18, 1930 AT STATION F92-R. REMOVED SEPTEMBER 21, 1938. INSTALLED AT STATION F92B-R SEPTEMBER 30, 1938 OVER A 24-INCH CORRUGATED IRON PIPE STILLING WELL. AN AU CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1949 TO SEPTEMBER 30, 1951.

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 AVAILABLE FROM JANUARY 18, 1930 TO MARCH 28, 1938. SOME WEEKLY STREAM MEASUREMENTS WERE TAKEN PRIOR TO JANUARY 18, 1930 AND SUBSEQUENT TO MARCH 28, 1938. AT STATION F92B-R - RECORDER RECORDS AVAILABLE FROM OCTOBER 1, 1938 TO SEPTEMBER 30, 1951.

EXTREMES OF DISCHARGE:

1949-50
MAXIMUM 8.5 SECOND-FEET, FEBRUARY 6.
MINIMUM LESS THAN 0.1 SECOND-FOOT AT TIMES IN SEPTEMBER.

1950-51
MAXIMUM 6.2 SECOND-FEET, JANUARY 29.
MINIMUM LESS THAN 0.1 SECOND-FOOT AT VARIOUS TIMES.

1930-51 (STATIONS F92-R AND F92B-R)
MAXIMUM 24,000 SECOND-FEET, ESTIMATED MARCH 2, 1938.
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: FAIR FOR LOW FLOWS. POOR FOR HIGH FLOWS DUE TO OCCASIONAL LOSS OF COMMUNICATION AND EXTREME AND UNDETERMINED CONTROL SHIFT.

OPERATION: LOCATED AND CONSTRUCTED 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~~ Highway 99 DURING THE YEAR ENDING SEPTEMBER 30, 19 50

NO.	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.
575	10-6	1905 / 1610	LUCE	4.6	1.21	0.40	5.47	0.49		.6	5	0	FC39
576	10-13	1210 / 1215	"	4.2	1.24	0.39	5.50	0.48		.6	5	0	"
577	10-20	1110 / 1115	"	4.0	1.20	0.28	5.58	0.34		.6	5	0	"
578	10-27	1110 / 1115	"	4.7	1.44	0.36	5.56	0.52		.6	5	0	"
579	11-3	1535 / 1540	"	5.1	1.48	0.39	5.55	0.58		.6	5	0	"
580	11-10	1140 / 1145	"	5.2	1.75	0.39	5.62	0.69		.6	5	0	"
581	11-17	1450 / 1455	"	5.2	1.61	0.43	5.58	0.70		.6	6	0	"
582	11-25	1420 / 1425	"	3.5	1.22	0.57	5.62	0.70		.6	6	0	"
583	12-1	1235 / 1240	"	3.6	1.25	0.63	5.62	0.79		.6	6	0	"
584	12-8	1255 / 1300	"	4.5	1.85	0.70	5.75	1.3		.6	5	0	"
585	12-16	1445 / 1450	"	3.7	1.49	0.74	5.66	1.1		.6	6	0	"
586	12-22	1230 / 1235	"	4.1	1.52	0.86	5.69	1.3		.6	5	0	"
587	12-29	1405 / 1410	"	4.2	1.61	0.75	5.71	1.2		.6	5	0	"
588	1-5	1225 / 1230	"	4.3	1.79	0.78	5.72	1.4		.6	6	0	"
589	1-8	1755 / 1800	"	6.5	3.53	1.53	6.05	5.4		.6	7	0	"
590	1-8	1850 / 1900	"	5.8	2.77	1.12	5.95	3.1		.6	6	-.01	"
591	1-9	1015 / 1020	"	4.5	1.86	0.91	5.74	1.7		.6	7	0	"
592	1-11	1805 / 1810	"	5.5	2.22	0.86	5.78	1.9		.6	6	-.01	"
593	1-12	0135 / 0140	"	7.0	3.84	1.93	6.03	7.4		.6	7	0	"
594	1-12	1200 / 1205	"	6.0	2.94	1.12	5.96	3.3		.6	6	0	"
595	1-19	1305 / 1310	"	5.0	2.14	0.93	5.78	2.0		.6	5	0	"
596	1-26	1615 / 1620	"	4.5	2.09	0.86	5.78	1.8		.6	6	0	"
597	2-2	1655 / 1700	"	5.0	2.19	0.91	5.79	2.0		.6	5	0	"
598	2-6	0800 / 0810	"	6.8	3.73	1.21	6.02	4.5		.6	7	0	"
599	2-6	1130 / 1140	"	7.3	3.90	1.38	6.07	5.4		.6	7	+.02	"
600	2-6	1630 / 1640	"	7.0	4.46	1.54	6.14	6.9		.6	7	-.02	"
601	2-9	1445 / 1450	LUCE - KASIMOFF	5.4	2.28	0.88	5.81	2.0		.6	6	0	"
602	2-16	1210 / 1215	LUCE	5.4	2.34	0.90	5.81	2.1		.6	6	0	"
603	2-23	0945 / 0950	"	5.4	2.39	0.79	5.82	1.9		.6	6	0	"
604	3-2	1125 / 1130	"	5.6	2.46	0.98	5.82	2.4		.6	7	0	"
605	3-9	1400 / 1405	"	5.0	2.41	0.95	5.86	2.3		.6	5	0	"
606	3-16	1328 / 1335	LUCE - LINDSAY	5.0	2.31	0.95	5.88	2.2		.6	6	0	"
607	3-23	1445 / 1450	LUCE	5.0	2.05	0.78	5.83	1.6		.6	5	0	"
608	3-30	1610 / 1615	"	4.7	1.83	0.87	5.78	1.6		.6	6	0	"
609	4-6	1255 / 1300	"	5.0	1.86	0.86	5.74	1.6		.6	5	0	"
610	4-13	1425 / 1430	"	4.0	1.33	0.90	5.67	1.2		.6	5	0	"
611	4-21	1135 / 1140	"	4.6	1.50	1.07	5.67	1.6		.6	5	0	"
612	4-27	1610 / 1615	"	4.0	1.15	0.96	5.60	1.1		.6	5	0	"
613	5-4	1000 / 1005	"	4.1	0.95	0.92	5.54	0.87		.6	5	0	"
614	5-11	1100 / 1105	LUCE - JOHNSON	4.0	0.99	0.95	5.55	0.94		.6	5	0	"
615	5-18	1420 / 1425	LUCE	3.6	0.81	1.02	5.50	0.83		.6	5	0	"
616	5-25	1805 / 1810	"	4.2	1.04	0.89	5.57	0.93		.6	4	0	"
617	6-1	1535 / 1540	"	4.0	0.80	0.86	5.50	0.69		.6	5	0	"
618	6-8	1250 / 1255	"	3.8	0.79	0.82	5.51	0.65		.6	4	0	"
619	6-15	1235 / 1240	"	4.2	1.13	0.97	5.60	1.1		.6	5	0	"
620	6-23	1239 / 1245	TURNER	4.4	1.32	0.98	5.66	1.3		.6	5	0	FC43
621	6-30	1305 / 1310	LUCE	3.7	0.76	0.74	5.47	0.56		.6	4	0	FC39
622	7-6	1140 / 1145	"	3.5	0.51	0.78	5.34	0.40		.6	4	0	"
623	7-13	1720 / 1725	"	2.5	0.36	0.72	5.45	0.26		.6	5	0	"
624	7-20	1115 / 1120	"	3.5	0.57	0.75	5.37	0.43		.6	6	0	"
625	8-1	1545 / 1550	"	3.1	0.36	0.55	5.28	0.20		.6	5	0	"
626	8-10	1140 / 1146	TURNER	3.0	0.38	0.58	5.42	0.22		.5	5	0	FC43
627	8-17	1029 / 1035	"	2.2	0.35	0.69	5.42	0.24		.5	5	0	"
628	8-24	1225 / 1230	LUCE	2.7	0.32	0.56	5.42	0.18		.6	4	0	FC39
629	8-29	1215 / 1220	"	2.0	0.25	0.56	5.41	0.14		.6	3	0	"
630	9-7	1345 / 1350	"	2.0	0.25	0.60	5.42	0.15		.6	4	0	"
631	9-14	1435 / 1440	"	2.2	0.34	0.62	5.44	0.21		.6	4	0	"
632	9-21	1120 / 1125	"	2.2	0.34	0.71	5.43	0.24		.6	4	0	"
633	9-28	1415 / 1420	"	2.0	0.35	0.54	5.40	0.19		.6	3	0	"

DISCHARGE MEASUREMENTS OF SANTA CLARA RIVER

AT Highway 99 DURING THE YEAR ENDING SEPTEMBER 30, 19 51

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.
634	10-6	1020 / 1025	LUCE	2.2	0.34	0.56	5.45	0.19		.6	4	0	FC39
635	10-13	1510 / 1515	"	2.0	0.26	0.54	5.43	0.14		.6	4	0	"
636	10-19	1050 / 1055	"	2.9	0.32	0.78	5.45	0.25		.6	4	0	FC41
637	10-26	1415 / 1420	"	2.5	0.37	0.54	5.47	0.20		.6	5	0	"
638	11-2	1050 / 1055	"	2.4	0.33	0.52	5.44	0.17		.6	6	0	"
639	11-9	1115 / 1120	"	2.5	0.33	0.48	5.45	0.16		.6	6	0	"
640	11-16	1345 / 1350	"	2.6	0.34	0.62	5.47	0.21		.6	6	0	"
641	11-22	1155 / 1200	"	2.9	0.48	0.62	5.47	0.30		.6	6	0	"
642	11-30	1055 / 1100	"	2.6	0.41	0.68	5.47	0.28		.6	6	0	"
643	12-8	1215 / 1220	"	2.5	0.38	0.63	5.48	0.24		.6	6	0	"
644	12-14	1205 / 1210	"	2.6	0.38	0.63	5.49	0.24		.6	6	0	"
645	12-21	0935 / 0940	"	2.6	0.44	0.84	5.50	0.37		.6	6	0	"
646	12-28	1225 / 1230	"	2.6	0.46	0.67	5.51	0.31		.6	6	0	"
647	1-4	1235 / 1240	"	2.5	0.48	0.63	5.51	0.30		.6	6	0	"
648	1-11	1415 / 1420	"	4.1	1.59	0.94	5.74	1.5		.6	6	0	"
649	1-18	1350 / 1355	"	2.5	0.48	0.62	5.52	0.30		.6	6	0	"
650	1-25	1122 / 1127	LUCE-BROWN	2.6	0.59	0.64	5.56	0.38		.6	6	0	"
651	1-29	1545 / 1550	LUCE	2.8	0.87	0.94	5.61+	0.82		.6	7	0	"
652	2-1	1145 / 1150	"	2.7	0.53	0.79	5.58	0.50		.6	6	0	"
653	2-8	1220 / 1225	"	2.8	0.72	0.64	5.59	0.46		.6	7	0	"
654	2-15	1025 / 1030	"	3.0	0.79	0.73	5.62	0.58		.6	7	0	"
655	2-21	0935 / 0940	"	3.0	0.75	0.87	5.61	0.65		.6	7	0	"
656	3-1	1310 / 1315	"	3.0	1.13	1.06	5.70	1.2		.6	7	0	FC39
657	3-8	1440 / 1447	LUCE-THOMAS	3.0	0.91	0.82	5.64	0.75		.6	7	0	FC41
658	3-15	1245 / 1250	LUCE	3.0	1.00	0.75	5.65	0.75		.6	7	0	"
659	3-23	1401 / 1410	TURNER	3.5	0.98	0.57	5.64	0.56		.6	8	0	FC43
660	3-28	1335 / 1340	LUCE	2.8	0.83	0.55	5.64	0.46		.6	7	0	FC41
661	4-4	1410 / 1415	"	3.0	0.82	0.73	5.66	0.55		.6	7	0	"
662	4-12	1600 / 1605	"	3.0	0.79	0.53	5.62	0.42		.6	7	0	"
663	4-12	1620 / 1625	"	2.2	0.32	1.09	5.62	0.35		.6	6	0	"
664	4-20	1430 / 1435	"	2.0	0.42	0.71	5.64	0.30		.6	6	0	"
665	4-27	1515 / 1520	"	2.5	0.70	0.51	5.62	0.36		.6	6	0	"
666	5-3	1455 / 1500	"	3.6	0.68	0.51	5.61	0.35		.6	7	0	"
667	5-11	1050 / 1055	"	2.4	0.49	0.57		0.28		.6	6		"
668	5-17	1155 / 1200	"	2.0	0.30	0.77	5.60	0.23		.6	6	0	"
669	5-24	1240 / 1245	"	2.2	0.43	0.60	5.58	0.26		.6	6	0	"
670	6-1	1544 / 1550	THOMAS	1.6	0.26	0.35	5.65	0.09	SURF.		5	0	FC42
671	6-7	1515 / 1520	LUCE	2.2	0.35	0.54	5.71	0.19		.6	6	0	FC41
672	6-14	1255 / 1300	"	1.9	0.24	0.50	5.69	0.12		.6	5	0	"
673	6-21	1300 / 1305	"	2.0	0.27	0.48	5.71	0.13		.6	5	0	"
674	6-28	1055 / 1100	"	1.8	0.19	0.47	5.64	0.09		.6	5	-01	"
675	7-5	1420 / 1425	"	1.5	0.17	0.29	5.65	0.05		.6	4	0	"
676	7-12	1145 / 1150	"	1.6	0.15	0.33	5.65	0.05		.6	5	0	"
677	7-19	1050 / 1055	"	1.3	0.11	0.36	5.63	0.04		.6	5	0	"
678	7-26	1602 / 1605	"	1.3	0.12	0.17	5.59	0.02		.6	4	0	"

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F928-R

Daily discharge, in second-feet of SANTA CLARA RIVER at Highway #99 for the year ending September 30, 1950

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.1	0.7	0.8	1.4	2.0	2.4	1.8	1.2	0.7	1.4	0.2	0.3
2	2.6	0.7	0.8	1.2	2.0	2.4	2.0	1.6	1.1	0.5	0.2	0.3
3	4.3	0.7	0.7	1.2	2.0	2.4	1.2	0.7	0.5	1.4	0.2	0.1
4	3.4	0.5	0.5	1.2	2.0	2.4	1.2	0.7	0.7	2.1	0.2	0.3
5	0.9	1.1	0.5	1.4	2.6	2.4	1.4	1.1	1.4	0.6	0.2	2.0
6	0.9	0.9	0.7	2.1	5.2	3.4	1.1	1.6	1.8	0.4	0.2	1.6
7	0.5	1.2	1.2	2.1	3.0	4.0	2.3	1.6	1.4	0.4	0.2	0.4
8	0.5	0.3	1.6	2.3	2.0	2.8	3.0	1.4	1.3	0.4	0.2	0.1
9	0.5	0.4	0.5	1.1	2.2	2.6	0.9	1.2	0.8	0.3	0.2	0.2
10	0.5	1.0	0.7	1.1	2.0	3.0	1.1	0.8	1.1	0.3	0.2	0.4
11	0.5	0.5	0.7	2.6	2.0	3.2	1.1	0.7	1.0	0.3	0.2	0.4
12	0.4	0.5	0.8	3.6	2.0	3.2	1.2	0.7	1.0	0.3	0.2	0.4
13	0.5	0.7	0.8	2.8	2.0	3.4	1.1	0.6	0.9	0.3	0.2	0.4
14	0.9	0.5	0.9	2.2	1.4	3.0	0.5	0.8	0.6	0.3	0.2	0.4
15	2.1	0.7	0.9	1.2	2.0	3.0	1.5	0.6	0.6	0.3	0.2	0.4
16	2.2	0.8	1.2	2.1	2.1	2.8	1.8	2.2	1.1	0.3	0.2	0.5
17	1.4	0.8	1.1	2.0	2.3	2.8	1.4	2.1	1.1	0.3	0.2	0.8
18	0.4	1.4	2.6	2.1	2.3	2.1	0.5	1.8	1.5	0.4	0.2	0.8
19	0.4	1.4	1.4	2.0	2.1	2.1	0.5	1.8	0.8	0.4	0.4	0.9
20	0.3	1.5	1.2	2.0	2.1	2.0	1.5	1.6	1.1	0.4	0.9	1.4
21	0.3	1.4	1.2	2.1	2.0	2.0	1.5	1.7	1.5	0.4	0.5	0.1
22	0.4	1.5	1.2	2.0	2.0	1.9	1.8	1.6	1.8	0.4	0.4	0.1
23	0.4	2.0	1.2	2.0	2.0	1.8	1.8	1.6	1.1	0.4	0.3	0.3
24	0.4	1.2	1.4	1.8	2.1	1.8	1.8	1.5	0.9	0.4	0.3	0.1
25	1.1	1.2	1.2	1.6	2.4	2.2	1.6	1.4	0.4	0.3	0.4	0.1
26	2.7	0.5	1.5	1.8	2.4	2.1	0.7	1.4	0.7	0.3	0.1	0.1
27	1.6	0.7	1.4	2.0	2.1	2.0	1.2	1.5	0.5	0.3	0.1	0.1
28	0.5	0.8	1.4	2.1	2.1	1.8	2.0	1.1	0.5	0.3	0.3	0.3
29	0.5	0.9	1.2	2.1		2.0	1.2	0.3	2.1	0.3	0.4	1.1
30	0.5	0.8	1.4	2.1		1.8	0.6	0.1	0.9	0.2	2.4	1.2
31	0.7		1.2	2.1		1.8		0.5		0.2	1.6	
	33.6	27.3	34.1	60.8	61.4	74.7	43.4	37.8	31.7	14.9	11.4	15.6
MEAN	1.08	0.91	1.10	1.96	2.19	2.41	1.45	1.22	1.06	0.48	0.37	0.52
ACRE-FEET	67.	54.	68.	121.	122.	148.	86.	75.	63.	30.	23.	31.

Remarks:

YEAR OR PERIOD MEAN 1.122
ACRE-FEET 888.

76D74M F. C. Dist. 52 9-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

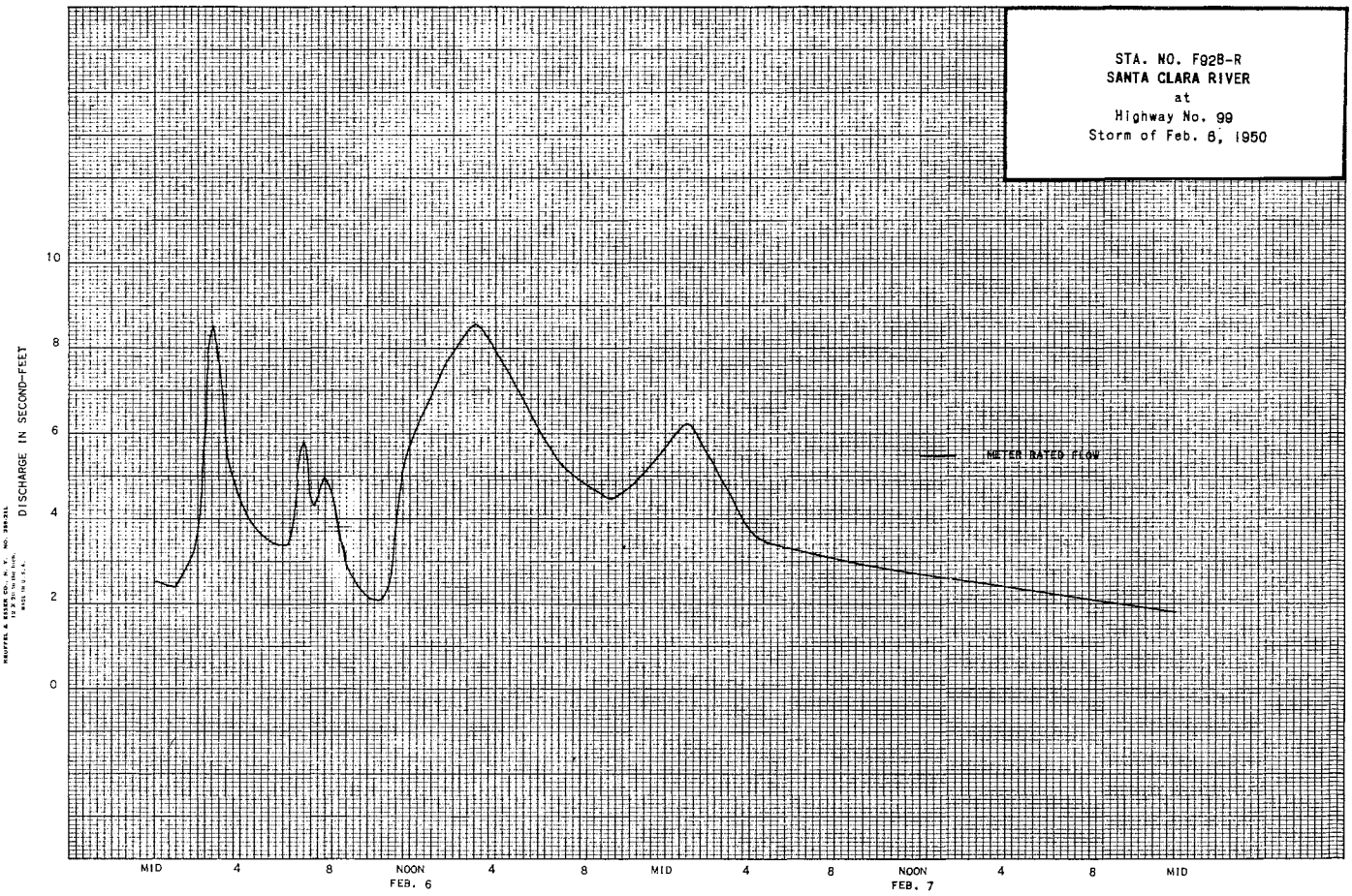
Sta. No. F92B-R

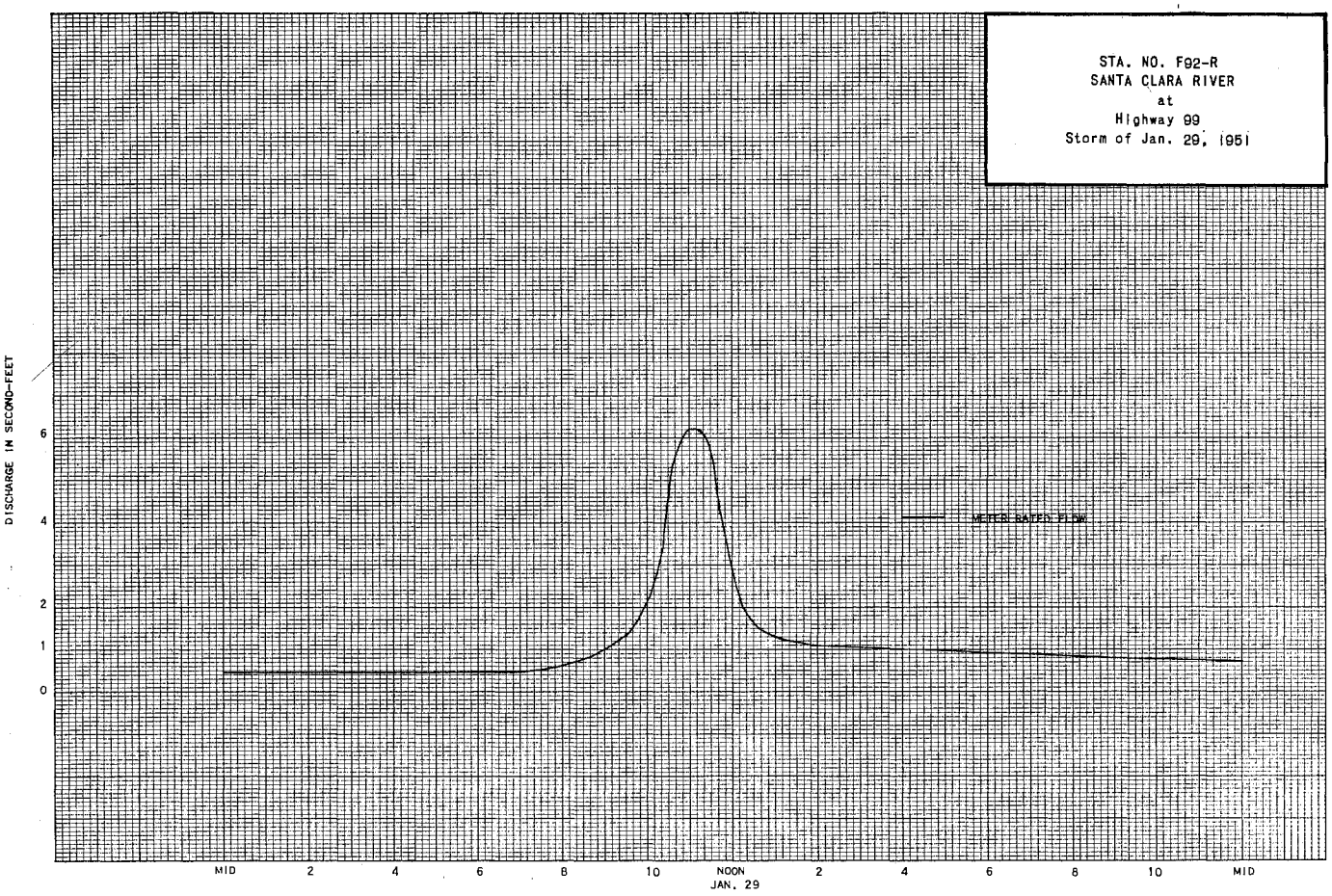
Daily discharge, in second-feet of SANTA CLARA RIVER at Highway #99, for the year ending September 30, 1951

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.4	0.1	0.2	0.4	0.5	1.5	0.6	0.5	0.2	0.05	0.02	0.03
2	0.4	0.1	0.1	0.4	0.5	0.6	0.6	0.5	0.2	0.07	0.02	0.03
3	0.2	0.1	0.1	0.4	0.5	0.5	0.6	0.5	0.2	0.07	0.02	0.03
4	0.2	0.1	0.1	0.4	0.5	0.6	0.7	0.4	0.5	0.07	0.02	0.03
5	0.2	0.1	0.1	0.2	0.5	0.7	0.7	0.2	0.5	0.07	0.02	0.03
6	0.2	0.1	0.1	0.2	0.5	0.8	0.7	0.2	0.4	0.1	0.03	0.03
7	0.1	0.1	0.1	0.2	0.5	0.8	0.5	0.2	0.2	0.05	0.03	0.03
8	1.2	0.1	0.2	0.4	0.5	0.7	0.6	0.2	0.2	0.03	0.03	0.03
9	2.0	0.1	0.1	0.4	0.5	0.7	0.6	0.2	0.2	0.05	0.03	0.03
10	1.3	0.1	0.2	0.7	0.5	0.7	0.6	0.2	0.2	0.07	0.03	0.03
11	0.5	0.2	0.2	0.9	0.5	0.7	0.5	0.2	0.09	0.07	0.04	0.03
12	0.4	0.2	0.2	0.2	0.6	0.7	0.5	0.2	0.09	0.05	0.04	0.03
13	0.2	0.2	0.2	0.1	0.6	0.7	0.5	0.2	0.09	0.05	0.04	0.03
14	0.2	0.2	0.2	0.1	0.6	0.7	0.5	0.2	0.09	0.05	0.04	0.03
15	0.2	0.2	0.5	0.2	0.6	0.7	0.6	0.2	0.09	0.05	0.05	0.03
16	0.2	0.2	0.5	0.5	0.6	0.7	0.6	0.2	0.1	0.04	0.05	0.03
17	1.0	0.2	0.4	0.2	0.6	0.6	1.0	0.2	0.09	0.04	0.05	0.02
18	1.1	0.2	0.4	0.5	0.5	0.6	1.0	0.2	0.2	0.04	0.04	0.02
19	0.2	0.4	0.4	0.4	0.5	0.6	0.4	0.1	0.1	0.04	0.04	0.02
20	0.1	0.4	0.4	0.4	0.4	0.6	0.2	0.1	0.09	0.04	0.04	0.02
21	0.1	0.4	0.4	0.4	0.6	0.7	0.2	0.2	0.09	0.03	0.03	0.02
22	0.2	0.4	0.2	0.4	0.6	0.7	0.2	0.1	0.09	0.03	0.03	0.02
23	0.2	0.4	0.1	0.4	0.8	0.6	0.1	0.2	0.1	0.03	0.03	0.02
24	0.1	0.4	0.1	0.4	0.7	0.6	0.2	0.2	0.09	0.03	0.03	0.02
25	0.2	0.2	0.1	0.4	0.7	0.6	0.9	0.2	0.09	0.02	0.03	0.02
26	0.4	0.4	0.2	0.6	0.8	0.5	0.7	0.2	0.09	0.02	0.03	0.02
27	0.8	0.4	0.4	0.7	1.1	0.5	0.5	0.2	0.07	0.02	0.03	0.02
28	0.5	0.2	0.4	0.5	1.2	0.5	0.8	0.2	0.05	0.02	0.03	0.02
29	0.4	0.2	0.2	1.2		0.5	0.6	0.2	0.05	0.02	0.03	0.02
30	0.4	0.2	0.2	0.6		0.6	0.5	0.2	0.05	0.02	0.03	0.02
31	0.2		0.2	0.5		0.6		0.2		0.02	0.03	
	13.8	6.6	7.2	13.3	17.0	20.6	16.7	7.0	4.60	1.36	1.01	0.76
MEAN	0.45	0.22	0.23	0.43	0.61	0.66	0.56	0.23	0.15	.044	.033	.025
ACRE-FEET	27.	13.	14.	26.	34.	41.	33.	14.	9.1	2.7	2.0	1.5

Remarks:

YEAR OR PERIOD MEAN .301
ACRE-FEET 217.





STATION F137-R

SANTA CLARA RIVER 1/2 mile west of County Line

LOCATION: WATER-STAGE RECORDER, LAT. 34°24'05", LONG. 118°41'54", ON THE LEFT (SOUTH) BANK OF THE SANTA CLARA RIVER CHANNEL, 0.5 MILE WEST OF THE LOS ANGELES-VENTURA COUNTY LINE, AND ABOUT 6 MILES WEST OF CASTAIC JUNCTION AS MEASURED ALONG STATE HIGHWAY #126.

DRAINAGE AREA: 643.7 SQUARE MILES.

CHANNEL CONTROL: CHANNEL - SAND AND GRAVEL UNDERLAID WITH A BLUE SHALE WHICH LIMITS CUTTING TO ABOUT 1 FOOT BELOW PRESENT BOTTOM (JANUARY 6, 195D).

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING.

RECORDER: INSTALLED OCTOBER 4, 1948, OVER A 24-INCH CORRUGATED IRON PIPE STILLING WELL. A LIETZ WEEKLY RECORDER IN SERVICE FROM OCTOBER 1, 1949 TO NOVEMBER 1, 1950; AN H.C.F. CONTINUOUS RECORDER IN SERVICE FROM NOVEMBER 1, 1950 TO SEPTEMBER 30, 1951.

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, NEWHALL LAND AND FARMING COMPANY WELL LOCATED IN THE CHANNEL, IN EFFECT, CONSTITUTES A VERY EXTENSIVE DIVERSION OF THIS RISING WATER FLOW.

RECORDS AVAILABLE: RECORDER RECORDS AVAILABLE FROM OCTOBER 4, 1948 TO SEPTEMBER 30, 1951. SOME WEEKLY STREAM MEASUREMENTS MADE PRIOR TO OCTOBER 4, 1948.

EXTREMES OF DISCHARGE:

1949-50
MAXIMUM 36 SECOND-FEET, FEBRUARY 6.
MINIMUM 0.7 SECOND-FOOT, AUGUST 25.

1950-51
MAXIMUM 33 SECOND-FEET, JANUARY 10.
MINIMUM 0.6 SECOND-FOOT, AT VARIOUS TIMES

1948-51
MAXIMUM 40 SECOND-FEET, JANUARY 20, 1949.
MINIMUM 0.6 SECOND-FOOT, VARIOUS TIMES IN 1951.

ACCURACY: FAIR FOR LOW FLOWS. POOR FOR HIGH FLOWS, DUE TO MEANDERING TENDENCY OVER BROAD SANDY CHANNEL WITH UNDETERMINED AND EXTREME CONTROL SHIFT.

OPERATION: LOCATED, DESIGNED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT. CONSTRUCTED BY THE NEWHALL LAND AND FARMING COMPANY.

DISCHARGE MEASUREMENTS OF SANTA CLARA RIVER

~~AT~~ NEAR 1/2 Mile west of County Line DURING THE YEAR ENDING SEPTEMBER 30, 19 50

NO.	DATE	BEGIN / END	MADE 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.
57	10-6	1640 / 1645	LUCE	5.5	1.87	1.07	2.50	2.0		.6	6	0	FC39
58	10-13	1430 / 1435	"	4.7	1.64	0.98	2.48	1.6		.6	5	0	"
59	10-18	1045 / 1050	*	4.1	0.94	1.28	2.46	1.2		.6	5	0	1698
60	10-20	1010 / 1015	LUCE	5.6	1.68	1.07	2.46	1.8		.6	6	0	FC39
61	10-27	1245 / 1250	"	5.2	1.66	1.20	2.46	2.0		.6	6	0	"
62	11-3	1340 / 1345	"	6.0	2.10	1.14	2.55	2.4		.6	6	0	"
63	11-15	1430 / 1440	*	9.9	3.86	1.86	2.78	7.2		.6	10	0	1698
64	11-17	1625 / 1635	LUCE	9.6	3.83	1.83	2.80	7.0		.6	7	0	FC39
65	11-25	1525 / 1535	"	11.7	6.36	1.65	2.80	10.5		.6	9	0	"
66	12-1	1420 / 1430	"	11.1	5.35	2.08	2.79	11.1		.6	9	0	"
67	12-9	0818 / 0828	"	11.0	5.67	2.68	2.80	15.2		.6	10	0	"
68	12-16	1645 / 1655	"	12.1	7.40	2.20	2.81	16.3		.6	7	0	"
69	12-22	1125 / 1135	"	12.0	8.04	2.23	2.83	17.9		.6	9	0	"
70	12-27	1400 / 1420	*	11.9	8.15	2.20	2.81	17.9		.6	12	0	1698
71	12-29	1450 / 1500	LUCE	12.6	8.57	2.23	2.82	19.1		.6	8	0	FC39
72	1-5	1435 / 1445	"	15.5	10.9	2.15	2.82	23.4		.6	8	0	"
73	1-8	2215 / 2230	"	19.0	9.18	2.93	3.01	26.9		.6	8	0	"
74	1-14	1035 / 1045	"	15.7	12.5	2.34	3.11	29.3		.6	8	0	"
75	1-19	1555 / 1610	"	26.0	11.2	2.16	3.39	24.2		.6	10	0	"
76	1-26	1650 / 1700	"	11.7	8.03	2.91	3.32	23.4		.6	7	0	"
77	1-30	0945 / 0955	*	11.8	8.29	2.57	3.33	21.3		.6	10	0	1698
78	2-2	1520 / 1530	LUCE	17.0	10.1	1.93	3.32	19.5		.6	10	0	FC39
79	2-9	1355 / 1401	LUCE - KASIMOFF	13.5	9.27	2.55	3.31	23.6		.6	10	0	"
80	2-16	1620 / 1630	LUCE	14.0	8.70	2.46	3.30	21.4		.6	7	0	"
81	2-23	1650 / 1700	"	14.0	10.3	2.25	3.28	23.2		.6	7	0	"
82	2-27	1330 / 1340	*	13.3	10.2	1.98	3.31	20.2		.6	11	0	1698
83	3-2	1300 / 1310	LUCE	13.0	11.4	2.07	3.31	23.6		.6	8	0	FC39
84	3-9	1600 / 1610	"	14.0	12.0	1.64	3.28	19.7		.6	8	0	"
85	3-16	1513 / 1525	LUCE - LINDSAY	13.5	11.4	1.46	3.28	16.7		.6	9	0	"
86	3-23	1315 / 1325	LUCE	11.5	9.83	1.37	3.24	13.5		.6	7	0	"
87	3-30	1505 / 1515	"	11.7	9.09	1.72	3.26	15.6		.6	7	0	"
88	4-6	1505 / 1515	"	12.5	9.29	1.19	3.28	11.1		.6	8	0	"
89	4-13	1530 / 1540	"	12.0	9.26	1.19	3.32	11.0		.6	7	0	"
90	4-21	1415 / 1425	"	11.5	9.15	0.94	3.28	8.6		.6	7	0	"
91	4-27	1440 / 1450	"	12.0	8.15	1.06	3.24	8.6		.6	8	0	"
92	5-4	1140 / 1150	"	10.8	6.60	1.15	3.25	7.6		.6	7	0	"
93	5-11	1330 / 1340	"	10.8	6.27	0.94	3.22	5.9		.6	7	0	"
94	5-18	1530	"					5.7		EST.			
95	5-25	1415 / 1425	"	8.0	4.40	1.05	3.23	4.6		.6	5	0	FC39
96	6-1	1405 / 1415	"	6.0	2.72	1.62	3.20	4.4		.6	6	0	"
97	6-8	1525 / 1530	"	5.6	2.47	1.50	3.18	3.7		.6	6	0	"
98	6-15	1415 / 1425	"	9.2	2.52	1.35	2.65	3.4		.6	6	0	"
99	6-23	0944 / 0950	TURNER	10.7	2.90	1.24	2.54	3.6		.6	6	0	FC43
100	6-30	1435 / 1440	LUCE	8.3	1.95	1.13	2.45	2.2		.6	6	0	FC39
101	7-6	1330 / 1335	"	5.9	1.88	1.32	2.44	2.5		.6	7	0	"
102	7-13	1550 / 1600	"	6.8	1.87	1.39	2.43	2.6		.6	7	0	"
103	7-20	1400 / 1410	"	5.1	1.18	1.02	2.38	1.2		.6	6	0	"
104	8-1	1350 / 1400	"	5.4	1.09	1.10	2.36	1.2		.6	7	0	"
105	8-10	0905 / 0911	TURNER	5.5	1.82	0.82	2.34	1.5		.5	6	0	FC43
106	8-17	1400 / 1406	"	4.7	1.48	0.68	2.46	1.0		.5	5	0	"
107	8-20	1420 / 1425	LUCE	5.1	0.95	0.91	2.46	0.87		.6	7	0	FC39
108	9-7	1445 / 1450	"	5.2	1.15	1.13	2.47	1.30		.6	6	0	"
109	9-14	1605 / 1610	"	5.5	1.45	0.83	2.47	1.2		.6	6	0	"
110	9-21	1230 / 1235	"	2.0	0.80	1.38	2.48	1.1		.6	4	0	"
111	9-28	1525 / 1530	"	2.7	0.89	1.01	2.46	0.90		.6	5	0	"

*VENTURA COUNTY WATER SURVEY

DISCHARGE MEASUREMENTS OF SANTA CLARA RIVER

~~AT~~ NEAR ½ mile west of County Line DURING THE YEAR ENDING SEPTEMBER 30, 19 51

NO.	DATE	BEGIN / END	MADE 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.
112	10-6	1155 / 1200	LUCE	3.2	1.12	0.89	2.49	1.0		.6	5	0	FC39
113	10-13	1405 / 1410	"	2.5	0.59	1.10	2.49	0.65		.6	5	0	"
114	10-19	1350 / 1355	"	3.1	0.80	1.25	2.49	1.0		.6	7	0	FC41
115	10-26	1545 / 1550	LUCE-LINDSAY	3.5	0.94	1.38	2.48	1.3		.6	7	0	"
116	11-2	1415 / 1420	LUCE	3.0	0.81	1.15	2.49	0.93		.6	7	0	"
117	11-9	1340 / 1350	"	3.5	1.04	1.15	2.52	1.2		.6	8	0	"
118	11-16	1615 / 1620	"	4.2	1.27	1.10	2.56	1.4		.6	8	0	"
119	11-22	1200 / 1205	"	3.0	0.97	1.34	2.57	1.3		.6	7	0	"
120	11-30	1350 / 1400	"	THREE CHANNELS			2.72	2.9		.6	17	0	"
121	12-8	1530 / 1540	"	6.0	2.72	1.69	2.87	4.6		.6	8	0	"
122	12-14	1350 / 1400	"	6.5	3.38	2.31	2.82	7.8		.6	9	0	"
123	12-21	1040 / 1050	"	7.3	3.72	2.45	2.93	9.1		.6	10	0	"
124	12-28	1340 / 1350	"	7.5	4.43	2.23	2.98	9.9		.6	10	0	"
125	1-4	1440 / 1450	"	7.6	4.56	2.26	3.00	10.3		.6	10	0	"
126	1-18	1520 / 1530	"	8.0	5.15	3.20	3.05	16.5		.6	10	0	"
127	1-25	1348 / 1400	LUCE-BROWN	10.4	5.52	2.90	3.08	16.0		.6	11	-01	"
128	2-1	1350 / 1400	LUCE	8.6	5.36	2.97	3.07	15.9		.6	11	0	"
129	2-8	0920 / 0930	"	8.8	6.32	2.37	3.06	15.0		.6	10	0	"
130	2-15	1540 / 1550	"	9.5	6.72	2.68	3.08	18.0		.6	12	0	"
131	2-21	1455 / 1505	"	10.0	7.31	2.08	3.13	15.7		.6	11	0	"
132	3-8	1603 / 1611	LUCE-THOMAS	10.5	9.23	1.99	3.31	18.4		.6	13	0	"
133	3-15	1515 / 1530	LUCE	11.0	10.0	1.21	3.60	12.1		.6	14	0	"
134	3-23	1118 / 1130	TURNER	10.8	9.81	0.75	3.66	7.3		.6	13	0	FC43
135	3-28	1310 / 1320	LUCE	7.0	7.54	0.76	3.73	5.7		.6	9	0	FC41
136	4-4	1330 / 1340	"	6.8	6.11	0.85	3.73	5.2		.6	10	0	"
137	4-12	1430 / 1440	"	9.0	6.22	0.59	3.61	3.7		.6	12	0	"
138	4-20	1630 / 1640	"	7.3	6.21	0.74	3.53	4.6		.6	11	0	"
139	4-27	1655 / 1705	"	7.3	5.54	1.19	3.39	6.6		.6	10	0	"
140	5-4	0855 / 0905	"	7.3	5.33	1.59	3.25	8.5		.6	10	0	"
141	5-11	1215 / 1225	"	4.7	3.33	2.13	3.13	7.1		.6	10	0	"
142	5-17	1415 / 1425	"	4.7	3.02	1.69	3.07	5.1		.6	11	0	"
143	5-24	1610 / 1620	"	8.2	2.18	1.38	2.53	3.0		.6	10	0	"
144	6-1	1631 / 1644	THOMAS	2.9	1.53	1.83	2.61	2.8		.5	7	0	FC42
145	6-7	1630 / 1640	LUCE	3.8	1.70	1.82	2.60	3.1		.6	8	0	FC41
146	6-14	1350 / 1400	"	3.7	1.70	1.71	2.59	2.9		.6	9	0	"
147	6-21	1435 / 1440	"	3.5	1.65	1.70	2.59	2.8		.6	7	0	"
148	6-28	1415 / 1420	"	4.0	1.70	1.41	2.62	2.4		.6	10	0	"
149	7-5	1450 / 1455	"	4.0	1.85	1.30	2.68	2.4		.6	9	0	"
150	7-12	1340 / 1345	"	4.5	1.69	1.36	2.77	2.3		.6	10	0	"
151	7-19	1150 / 1200	"	2.5	1.11	1.80	2.80	2.0		.6	7	0	"
152	7-27	0930 / 0935	"	2.6	1.35	1.26	2.85	1.7		.6	7	0	"
153	8-8	1015 / 1020	"	2.6	1.38	1.09	2.87	1.5		.6	7	0	"
154	8-9	1435 / 1445	"	2.2	0.99	1.11	2.87	1.1		.6	6	0	"
155	8-16	1435 / 1440	"	2.5	1.09	0.91	2.89	1.0		.6	7	0	"
156	8-23	1615 / 1620	"	2.6	1.16	0.77	2.92	0.89		.6	7	0	"
157	8-30	1550 / 1600	"	2.3	1.14	0.87	3.00	0.99		.6	7	0	"
158	9-6	1450 / 1500	"	2.5	1.34	0.64	3.00	0.86		.6	7	0	"
159	9-13	1435 / 1445	"	2.3	1.38	0.56	3.01	0.77		.6	7	0	"
160	9-20	1620 / 1625	"	2.5	1.34	0.52	2.98	0.70		.6	7	0	"
161	9-28	1020 / 1025	"	3.0	1.59	0.69	3.08	1.1		.6	7	0	"

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F137R

Daily discharge, in second-feet of SANTA CLARA RIVER 1/2 MILE WEST OF COUNTY LINE, for the year ending September 30, 1950

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	b 1.2	1.8	11	21	20	22	14	8.3	4.5	2.6	d 1.2	1.1
2	1.4	2.0	11	22	20	23	14	8.0	4.5	2.0	1.2	1.2
3	1.5	2.2	11	22	20	23	13	7.7	4.5	1.6	1.2	1.2
4	1.7	2.6	12	23	20	22	12	7.7	4.2	2.0	1.3	1.2
5	b 1.9	3.0	12	23	20	22	11	7.4	4.0	2.2	1.3	1.2
6	2.0	3.4	13	23	30	21	11	7.1	3.8	2.6	1.4	1.2
7	2.0	3.6	13	23	28	20	11	7.1	3.8	2.4	1.4	1.4
8	2.0	4.0	15	24	25	20	12	6.5	3.8	2.6	1.4	1.2
9	1.8	4.5	16	24	23	20	12	6.5	3.8	3.0	d 1.5	1.4
10	1.8	5.0	15	22	24	19	11	6.2	3.8	3.0	1.5	1.2
11	2.0	5.2	16	22	23	19	11	6.0	4.0	2.8	1.4	1.2
12	1.6	5.8	16	24	22	18	11	6.0	4.0	2.8	1.2	1.2
13	1.8	6.2	16	25	22	18	11	6.0	4.0	2.6	1.1	1.2
14	1.5	6.5	16	29	22	18	11	5.8	d 4.0	2.8	1.1	1.2
15	1.6	7.1	16	28	22	17	10	5.5	3.9	2.6	1.0	1.2
16	1.5	7.4	16	28	22	17	10	5.2	3.9	2.2	1.0	1.2
17	1.2	7.1	16	27	22	16	9.8	5.0	3.8	1.6	1.0	1.2
18	1.2	7.7	19	26	22	16	9.8	5.0	3.8	1.4	1.0	1.1
19	1.5	8.3	20	26	22	15	9.2	4.8	3.8	1.2	0.8	1.2
20	1.8	8.9	19	25	22	14	8.9	4.8	3.7	1.2	0.8	1.2
21	1.8	9.2	18	25	22	14	8.6	4.5	3.7	1.2	0.8	1.1
22	1.8	9.8	18	26	23	13	8.6	4.5	d 3.6	1.0	0.8	1.1
23	1.8	10	18	26	23	13	8.6	4.5	3.6	1.0	0.8	1.0
24	2.0	10	18	26	22	15	8.6	4.5	3.2	1.1	0.8	1.0
25	2.0	10	18	24	21	16	8.6	4.5	2.8	1.2	0.7	1.0
26	2.0	10	18	23	20	15	8.9	4.5	2.6	1.2	0.7	1.0
27	2.0	11	18	22	19	15	8.6	4.5	2.2	1.4	1.0	1.0
28	1.8	11	19	22	20	15	8.6	4.2	2.4	1.2	1.0	0.8
29	1.6	11	19	22		15	8.3	4.2	2.4	1.2	1.1	0.8
30	1.5	11	20	21		16	8.0	4.2	2.4	1.2	1.1	0.8
31	1.6		20	20		14		4.2		1.2	1.0	
	52.9	205.3	503.0	744.0	621.0	541.0	308.1	174.9	108.5	58.1	33.6	33.8
MEAN	1.71	6.84	16.2	24.0	22.2	17.5	10.3	5.64	3.62	1.87	1.08	1.13
ACRE-FEET	105.	407.	998.	1480.	1230.	1070.	611.	347.	215.	115.	67.	67.

Remarks:

YEAR OR PERIOD MEAN 9.27
ACRE-FEET 6710.

76D74M F. C. Dist. 52 9-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

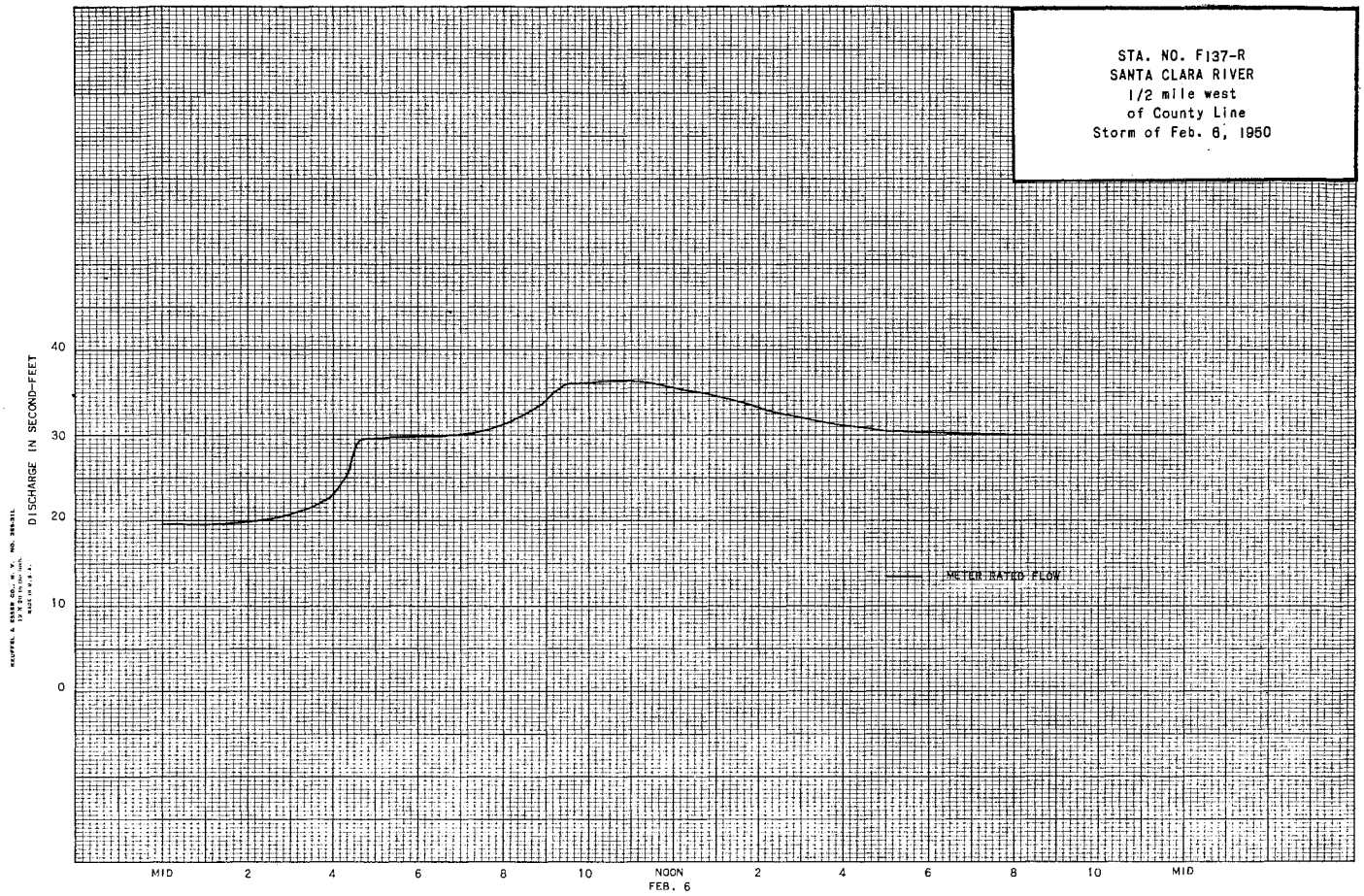
Sta. No. F137-3

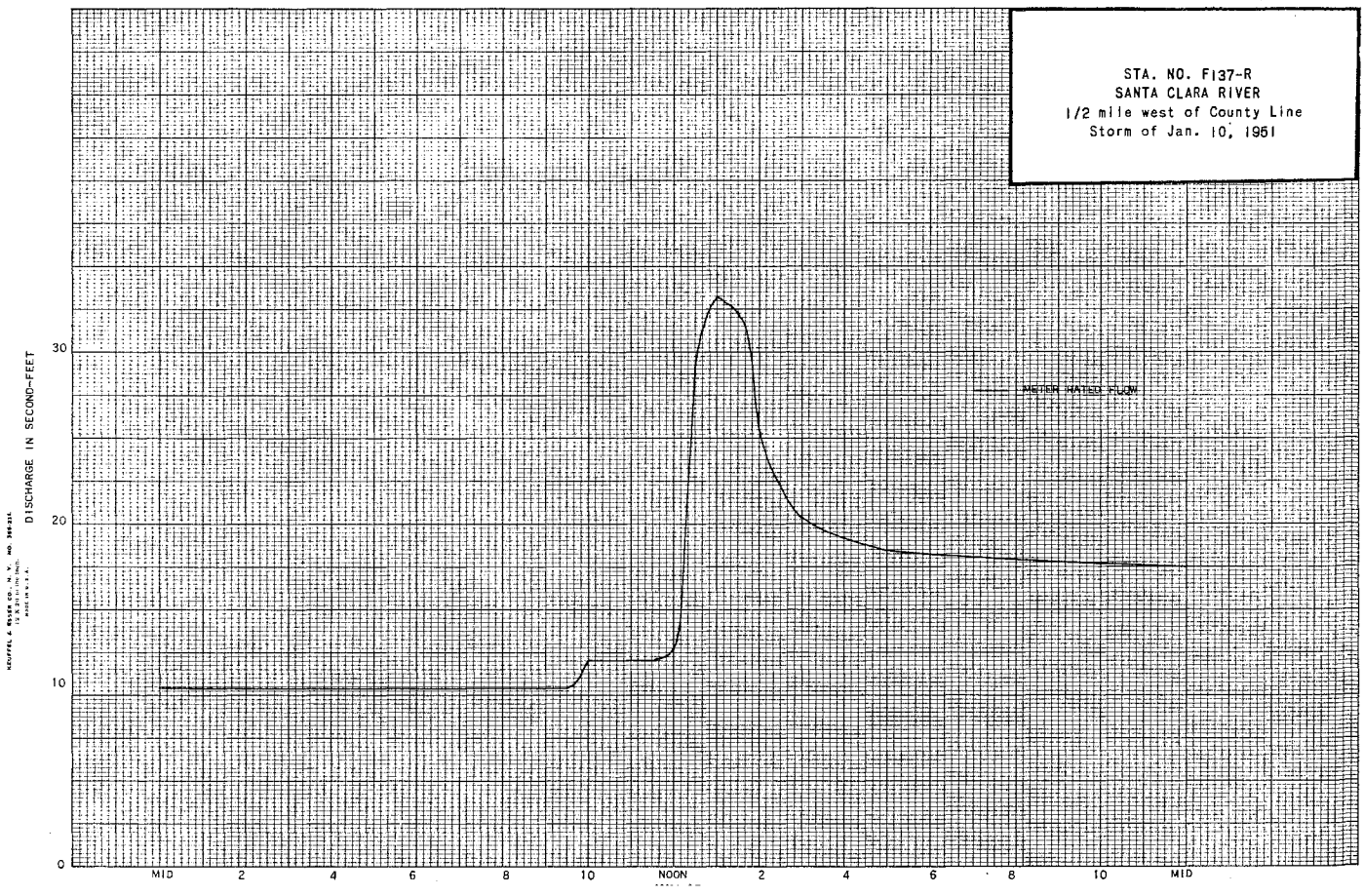
Daily discharge, in second-feet of SANTA CLARA RIVER 1/2 mile west of County line, for the year ending September 30, 1951

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.8	1.0	3.0	10	16	24	5.0	8.0	3.2	2.4	1.2	1.2
2	1.0	1.0	3.0	10	16	21	5.2	8.3	3.2	2.6	1.1	1.2
3	1.0	1.1	3.2	10	16	19	5.0	8.3	3.4	2.7	1.5	1.1
4	1.0	1.1	3.4	11	a 15	18	5.2	8.6	3.2	2.7	1.4	1.0
5	1.0	1.1	3.6	11	a 15	18	5.2	8.9	3.2	2.4	1.2	0.8
6	1.0	1.2	3.8	11	a 15	19	5.2	8.9	3.2	1.9	1.0	0.8
7	0.8	1.2	4.2	10	15	19	5.0	8.3	3.2	1.6	1.0	0.8
8	0.7	1.2	4.5	10	15	18	4.8	8.3	3.6	1.6	1.0	0.8
9	0.7	1.2	5.0	16	15	17	4.8	7.1	3.6	2.0	1.1	0.7
10	0.6	1.2	5.5	20	15	16	4.8	7.1	3.4	2.0	1.2	0.6
11	0.6	1.2	5.2	18	16	15	4.2	7.1	3.2	2.0	1.4	0.6
12	0.6	1.2	5.5	17	17	14	4.0	6.8	3.0	2.2	1.2	0.6
13	0.7	1.2	6.0	17	17	12	4.0	6.5	3.0	1.8	1.1	0.7
14	0.7	1.5	7.4	17	17	12	4.2	6.2	3.0	1.5	1.1	1.0
15	0.7	1.4	7.4	16	18	12	4.8	6.2	3.4	1.6	1.0	1.0
16	0.8	1.4	7.1	16	18	12	5.0	5.5	3.4	1.6	1.0	0.8
17	0.8	1.5	7.4	16	17	11	5.5	5.2	3.4	2.2	1.1	0.8
18	1.0	1.5	8.3	17	16	10	5.8	4.8	3.0	2.4	1.1	0.8
19	1.0	1.5	8.9	18	16	9.5	6.0	4.2	2.8	2.0	1.0	0.8
20	1.0	1.4	9.2	18	15	8.9	5.2	4.2	2.8	1.8	1.0	0.8
21	1.0	1.4	9.2	17	15	8.3	5.0	4.3	2.8	2.2	1.0	1.1
22	1.1	1.4	9.2	17	16	7.7	5.0	4.4	2.7	2.4	1.0	1.0
23	1.2	1.5	9.6	16	17	7.7	5.5	4.4	2.7	1.8	0.8	1.0
24	1.2	1.5	8.6	16	17	7.1	5.8	4.5	2.6	1.6	0.8	1.0
25	1.4	1.5	9.9	16	17	7.1	6.5	3.8	2.5	1.4	0.8	1.1
26	1.4	1.5	9.8	16	18	7.4	7.7	3.6	2.5	1.2	0.7	1.1
27	1.2	1.8	9.8	16	21	6.5	7.7	3.4	2.4	1.5	0.7	1.1
28	1.1	1.6	9.8	17	19	5.8	7.8	3.6	2.4	2.0	0.7	1.1
29	1.1	2.2	10	20		5.8	8.6	3.2	2.6	2.0	0.8	1.1
30	1.1	2.8	10	19		5.2	8.3	3.2	2.6	1.6	1.0	1.1
31	1.1		10	17		4.8		3.4		1.6	1.1	
	29.4	42.5	215.5	476.0	460.0	378.8	166.8	160.3	90.0	60.3	32.1	27.6
MEAN	0.95	1.42	6.95	15.4	16.4	12.2	5.56	5.82	3.00	1.95	1.04	0.92
ACRE-FEET	58.	84.	427.	944.	912.	751.	331.	358.	179.	120.	64.	55.

Remarks:

YEAR OR PERIOD MEAN 5.92
ACRE-FEET 4280.


STA. NO. F137-R
SANTA CLARA RIVER
1/2 mile west
of County Line
Storm of Feb. 6, 1950
DISCHARGE IN SECOND-FEET
0
10
20
30
40
METER RATED FLOW
MID
2
4
6
8
10
NOON
2
4
6
8
10
MID
FEB. 6


STA. NO. F137-R
SANTA CLARA RIVER
1/2 mile west of County Line
Storm of Jan. 10, 1951
DISCHARGE IN SECOND-FEET
0
10
20
30
METER RATED FLOW
MID
2
4
6
8
10
NOON
2
4
6
8
10
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 NEW LOCATION ON SEPTEMBER 4, 1943. AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1949 TO SEPTEMBER 30, 1951.

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, 1951. OUTFLOW RECORDS FROM SAWPIT DAM ARE AVAILABLE COMMENCING OCTOBER 1, 1931.

EXTREMES OF DISCHARGE:

1949-50
MAXIMUM 2.6 SECOND-FEET, JULY 1.
MINIMUM, NO FLOW MOST OF YEAR.

1950-51
MAXIMUM 46 SECOND-FEET, JANUARY 15.
MINIMUM NO FLOW MOST OF YEAR.

1942-51
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. SOME LOW FLOW RECORDS ARE LOST DUE TO UNDERFLOW AT STATION.

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

DISCHARGE MEASUREMENTS OF SAWPIT CREEK

~~AT~~ NEAR below Sawpit Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 50

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
132	2-9	1322 / 1323	MOON	1.0	0.06	4.33	0.06	0.26	FLOATS		1	0	
133	2-10	1152 / 1154	MOON - GUTIERREZ	1.0	0.10	5.00	0.09	0.50		.6	2	0	PITOT
134	3-2	1230	MOON				0.01	0.05		VOL.		0	
135	4-13	1227 / 1229	"	1.0	0.08	0.50	0.01	0.04		.5	2	0	FC22

DISCHARGE MEASUREMENTS OF SAWPIT CREEK

~~AT~~ NEAR below Sawpit Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 51

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
136	1-15	0902 / 0911	MOON	4.0	2.22	6.89	1.46	15.3		.6	7	0	FC22
137	1-15	1130 / 1138	MOON-SONNICHSON	4.0	2.30	6.78	1.43	15.6		.6	7	0	PITOT TUBE
138	1-15	1205 / 1215	"	11.0	5.21	3.57	1.43	18.6		.6	8	0	FC22
139	1-15	1341 / 1350	MOON	9.0	8.35	5.57	1.78	46.5		.6	7	+.02	"
140	1-15	1527 / 1539	"	10.0	9.70	4.51	1.77	43.7		.6	11	-.01	"

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F2

Daily discharge, in second-feet of SAWPIT CREEK below Sawpit Dam for the year ending September 30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	S
1	0	0	0	0	0 1	0 1	0	0	0	0 9	0	
2	0	0	0	0	0 1	0 1	0	0	0	0	0	
3	0	0	0	0	0 1	0	0	0	0	0	0	
4	0	0	0	0	0 1	0	0	0	0	0	0	
5	0	0	0	0	0 1	0	0	0	0	0	0	
6	0	0	0	0	1 0	0	0	0	0	0	0	
7	0	0	0	0	1 0	0	0	0	0	0	0	
8	0	0	0	0 1	0 5	0	0 4	0	0	0	0	
9	0	0	0	0 1	0 2	0	0 6	0	0	0	0	
10	0	0	0	0 1	0 3	0	0 1	0	0	0	0	
11	0	0	0	0 1	0 3	0	0 1	0	0	0	0	
12	0	0	0	0 1	0 2	0	0	0	0	0	0	
13	0	0	0	0 1	0 2	0	0	0	0	0	0	
14	0	0	0	0 1	0 2	0	0	0	0	0	0	
15	0	0	0	0 1	0 1	0	0	0	0	0	0	
16	0	0	0	0 1	0 1	0	0	0	0	0	0	
17	0	0	0	0 1	0 1	0	0	0	0	0	0	
18	0	0	0	0 1	0 1	0	0	0	0	0	0	
19	0	0	0	0 1	0 1	0	0	0	0	0	0	
20	0	0	0 1	0 1	0 1	0	0	0	0	0	0	
21	0	0	0 1	0 1	0 1	0	0	0	0	0	0	
22	0	0	0 1	0 1	0 1	0	0	0	0	0	0	
23	0	0	0 1	0 1	0 1	0	0	0	0	0	0	
24	0	0	0 1	0 1	0 1	0 2	0	0	0	0	0	
25	0	0	0 1	0 1	0 1	0 2	0	0	0	0	0	
26	0	0	0 1	0 1	0 1	0 1	0	0	0	0	0	
27	0	0	0 1	0 1	0 1	0 1	0	0	0	0	0	
28	0	0	0	0 1	0 1	0 1	0	0	0	0	0	
29	0	0	0	0 2		0 1	0	0	0	0	0	
30	0	0	0	0 1		0	0	0	0 3	0	0	
31	0		0	0 1		0		0		0	0	
	0	0	0 8	2 5	5 8	1 0	1 2	0	0 3	0 9	0	
MEAN	0	0	.003	.081	0.21	032	0 04	0	0 01	0.03	0	
ACRE-FEET	0	0	1.6	5.0	12	2 0	2.4	0	0 6	1.8	0	

Remarks:

YEAR OR PERIOD MEAN 0.
ACRE-FEET 25.

FORM F. C. Dist. 52 5-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F2

Daily discharge, in second-feet of SAWPIT CREEK below Sawpit Dam for the year ending September 30

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	St
1	0	0	0	0	0	0	0	0	0	0	0	
2	0	0	0	0	0	0	0	0	0	0	0	
3	0	0	0	0	0	0	0	0	0	0	0	
4	0	0	0	0	0	0	0	0	0	0	0	
5	0	0	0	0	0	0	0	0	0	0	0	
6	0	0	0	0	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	
12	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	1 6	0	0	0	0	0	0	0	
16	0	0	0	0	0	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	
20	0	0	0	0	0	0	0	0	0	0	0	
21	0	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	
24	0	0	0	0	0	0	0	0	0	0	0	
25	0	0	0	0	0	0	0	0	0	0	0	
26	0	0	0	0	0	0	0	0	0	0	0	
27	0	0	0	0	0	0	0	0	0	0	0	
28	0	0	0	0	0	0	0	0	0	0	0	
29	0	0	0	0	0	0	0	0	0	0	0	
30	0	0	0	0		0	0	0	0	0	0	
31	0		0	0		0		0		0	0	
	0	0	0	1 6	0	0	0	0	0	0	0	
MEAN	0	0	0	0.52	0	0	0	0	0	0	0	
ACRE-FEET	0	0	0	32.	0	0	0	0	0	0	0	

Remarks:

YEAR OR PERIOD MEAN .0
ACRE-FEET 32.

STATION U5-R

SAWPIT CREEK below Monrovia Canyon

LOCATION: WATER-STAGE RECORDER AND BROAD-CRESTED WEIR CONTROL, LAT. 34°10'25", LONG. 117°59'20", IN NE 1/4 SW 1/4 SEC. 13, T. 1 N., R. 11 W., 0.1 MILE DOWNSTREAM FROM MONROVIA CREEK. ALTITUDE OF GAGE ABOUT 1,100 FEET.

DRAINAGE AREA: 5.3 SQUARE MILES.

RECORDS AVAILABLE: NOVEMBER 1916 TO SEPTEMBER 1951.

AVERAGE DISCHARGE: 33 YEARS (1917-1950) 1.21 SECOND-FEET: INCLUDING DIVERSION BY MONROVIA PIPE LINE, 33 YEARS, 2.69 SECOND-FEET. 34 YEARS (1917-1951). 1.18 SECOND-FEET; INCLUDING DIVERSION BY MONROVIA PIPE LINES, 34 YEARS, 2.63 SECOND-FEET.

EXTREMES OF DISCHARGE:

1949-1950
MAXIMUM DISCHARGE, 13. SECOND-FEET, NOVEMBER 10. (GAGE HEIGHT, 0.77 FT.).
NO FLOW DURING SEVERAL PERIODS.

1950-1951
MAXIMUM DISCHARGE, 47 SECOND-FEET, JANUARY 15. (GAGE HEIGHT, 1.30 FEET).
NO FLOW DURING MOST OF YEAR.

1916-1951
MAXIMUM DISCHARGE, ABOUT 2,000 SECOND-FEET, APRIL 7, 1926. ESTIMATED FROM FLOW OF ROGERS CREEK.
NO FLOW DURING PARTS OF MOST YEARS.

REMARKS: RECORDS FAIR, REGULATION AT SAWPIT DAM ABOVE STATION AND DIVERSIONS BY CITY OF MONROVIA.

COOPERATION: RECORDS FURNISHED BY THE UNITED STATES GEOLOGICAL SURVEY.

DISCHARGE MEASUREMENTS OF SAWPIT CREEK

~~AT~~ NEAR below Monrovia Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 50

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
849	12-19		U.S.G.S.	4.5	1.71	0.62	0.22	1.06		.5 / .6	14	0	
850	2-6	0952 / 1002	MOON	TWO CHANNELS			0.43	2.60		.6	6	0	FC22
851	2-6		U.S.G.S.	5.1	2.30	1.06	0.39	2.44		.5 / .6	15	+.01	

DISCHARGE MEASUREMENTS OF SAWPIT CREEK

~~AT~~ NEAR below Monrovia Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 51

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
852	1-15		USGS	8.1	5.66	3.18	0.78	18.0		.5 / .6	23		
853	1-15		"	21.5	11.4	3.72	1.24	42.5		.5 / .6	28	+.02	

TEDTAM F. C. Dist. 52 9-50

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, 1950

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	0	0	0.8	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	1.7	0	0	0	0	0	0	0
7	0	0	0	0	1.2	0	0	0	0	0	0	0
8	0	0	0	0	0.4	0	0.6	0	0	0	0	0
9	0	0.1	0	0	0.1	0	0.5	0	0	0	0	0
10	0	1.2	0	0	0	0	0	0	0	0	0	0
11	0	0.1	0	0.2	0	0	0	0	0	0	0	0
12	0	0	0	0.1	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	2.2	0	0	0	0	0	0	0	0	0
19	0	0	1.5	0	0	0	0	0	0	0	0	0
20	0	0	0.5	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	0.4	0	0	0	0	0
25	0	0	0	0	0	0	0.3	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	0.1	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	0.1	0	0	0
31	0		0	0		0		0		0	0	
	0	2.1	4.2	0.5	3.4	0.7	1.1	0	0.1	0.8	0	0
MEAN	0	0.07	0.14	0.02	0.12	0.02	0.04	0	.003	0.03	0	0
ACRE-FEET	0	4.2	8.3	1.0	6.7	1.4	2.2	0	0.2	1.6	0	0

Remarks:

YEAR OR PERIOD MEAN 0.04
ACRE-FEET 26

50D74M F. C. Dist. 52 8-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. 11 6-R

Daily discharge, in second-feet of SAWPIT CREEK below Monrovia Canyon, for the year ending September 30, 1951

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	0.3	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	1.4	0	0	0	0	0	0	0	0
16	0	0	0	0.6	0	0	0	0	0	0	0	0
17	0	0	0	0.4	0	0	0	0	0	0	0	0
18	0	0	0	0.4	0	0	0	0	0	0	0	0
19	0	0	0	0.5	0	0	0	0	0	0	0	0
20	0	0	0	0.1	0	0	0	0	0	0	0	0
21	0	0	0	0.1	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	0.2	0	0	0	0	0
29	0	0	0	0	0	0	0.2	0	0	0	0	0
30	0	0	0	0		0	0.1	0	0	0	0	0
31	0		0	0		0		0		0	0	
	0	0	0	16.4	0	0	0.5	0	0	0	0	0
MEAN	0	0	0	0.53	0	0	0.02	0	0	0	0	0
ACRE-FEET	0	0	0	33.	0	0	1.0	0	0	0	0	0

Remarks:

YEAR MEAN 0.05
OR
PERIOD ACRE-FEET 34.

STATION F185-R

SEPULVEDA CREEK at Charnock Road

LOCATION: WATER-STAGE RECORDER, LAT. 34°00'48", LONG. 118°25'29", ON THE LEFT (EAST) WING WALL OF THE DOWNSTREAM SIDE OF THE CHARNOCK ROAD BRIDGE, ABOUT 1200 FEET WEST OF SAWTELLE BOULEVARD AND APPROXIMATELY 2 MILES NORTHWEST OF CULVER CITY. ELEVATION OF ZERO GAGE HEIGHT, 79.12 FEET ABOVE MEAN SEA LEVEL.

DRAINAGE AREA: 25.7 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - SAND AND ADOBE. NO ARTIFICIAL CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM FOOTBRIDGE 100 FEET BELOW THE STATION.

RECORDER: INSTALLED SEPTEMBER 15, 1932; REMOVED MARCH 3, 1937, DUE TO BRIDGE CONSTRUCTION: REINSTALLED AUGUST 11, 1937. REMOVED MARCH 3, 1938 DUE TO STILLING WELL BEING WASHED OUT. REINSTALLED JULY 7, 1938, OVER A 20-INCH CORRUGATED IRON PIPE STILLING WELL. AN H.C.F. RECORDER WAS IN OPERATION FROM OCTOBER 1, 1949 TO MAY 29, 1950.

REGULATION AND/OR DIVERSIONS: STONE CANYON RESERVOIR, SOUTHERN CALIFORNIA WATER COMPANY SPILLS FLOW UP TO 5.0 SECOND FEET INTO SEPULVEDA CREEK ABOVE CHARNOCK ROAD FOR SHORT PERIODS NEARLY EACH DAY.

RECORDS AVAILABLE: DISCHARGE MEASUREMENTS ONLY, JANUARY 1, 1932 TO SEPTEMBER 14, 1932. RECORDER RECORDS SEPTEMBER 15, 1932 TO MARCH 3, 1937, AUGUST 11, 1937 TO MARCH 2, 1938, AND JULY 7, 1938 TO MAY 29, 1950.

EXTREMES OF DISCHARGE:
1949-50
MAXIMUM 1470 SECOND-FEET, FEBRUARY 6.
MINIMUM PLUS FLOW AT VARIOUS TIMES.
1932-50
MAXIMUM 3100 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 SEPULVEDA CREEK

AT ~~NEAR~~ Charnock Road DURING THE YEAR ENDING SEPTEMBER 30, 19 50

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
745	10-13	1408 / 1414	BOLLINGER - LINDSAY	3.0	0.60	0.78	4.85	0.47		.5	5	0	FC6
746	10-20	0835 / 0841	BOLLINGER	2.5	0.50	0.74	4.86	0.37		.5	5	0	"
747	10-27	0820 / 0829	"	2.7	0.72	0.64	4.86	0.46		.5	4	0	"
748	11-3	0808 / 0813	"	1.2	0.35	0.97	4.80	0.34		.5	2	0	"
749	11-10	1010 / 1024	REINHARD - BOLLINGER	7.9	7.76	1.79	5.92	13.9		.6	8	-.05	FC28
750	11-17	1403 / 1408	BOLLINGER	2.1	0.31	0.97	4.80	0.30		.5	3	0	FC6
751	11-23	0819 / 0827	"	3.5	2.07	0.68	5.02	1.4		.5	7	0	"
752	12-1	0810 / 0817	"	2.7	1.09	0.34	4.76	0.37		.5	5	0	"
753	12-15	0835 / 0842	"	3.0	1.02	0.35	4.75	0.36		.5	5	0	"
754	12-22	0848 / 0854	"	3.6	1.12	1.07	4.96	1.2		.5	5	0	"
755	12-29	0853 / 0858	"	3.5	1.08	0.28	4.82	0.30		.5	4	0	"
756	1-12	1452 / 1500	BOLLINGER - SPENCER	8.5	5.57	2.66	5.74	14.8		.6	9	-.03	"
757	1-26	1032 / 1040	BOLLINGER	2.5	0.99	0.33	4.98	0.33		.5	5	0	"
758	2-16	0826 / 0831	"	1.8	0.43	1.02	5.00	0.44		.6	2	0	"
759	3-9	0815 / 0820	"	1.3	0.26	1.15	5.00	0.30		.5	2	0	"
760	4-27	0810 / 0816	"	2.1	0.37	0.81	4.99	0.25		.5	3	0	"
761	5-11	0825 / 0835	"	7.7	4.15	1.49	5.39	6.2		.6	8	0	"
762	5-29	1502 / 1508	BLAKELY	5.0	1.13	0.97	5.04	1.1		.5	5	0	FC35

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

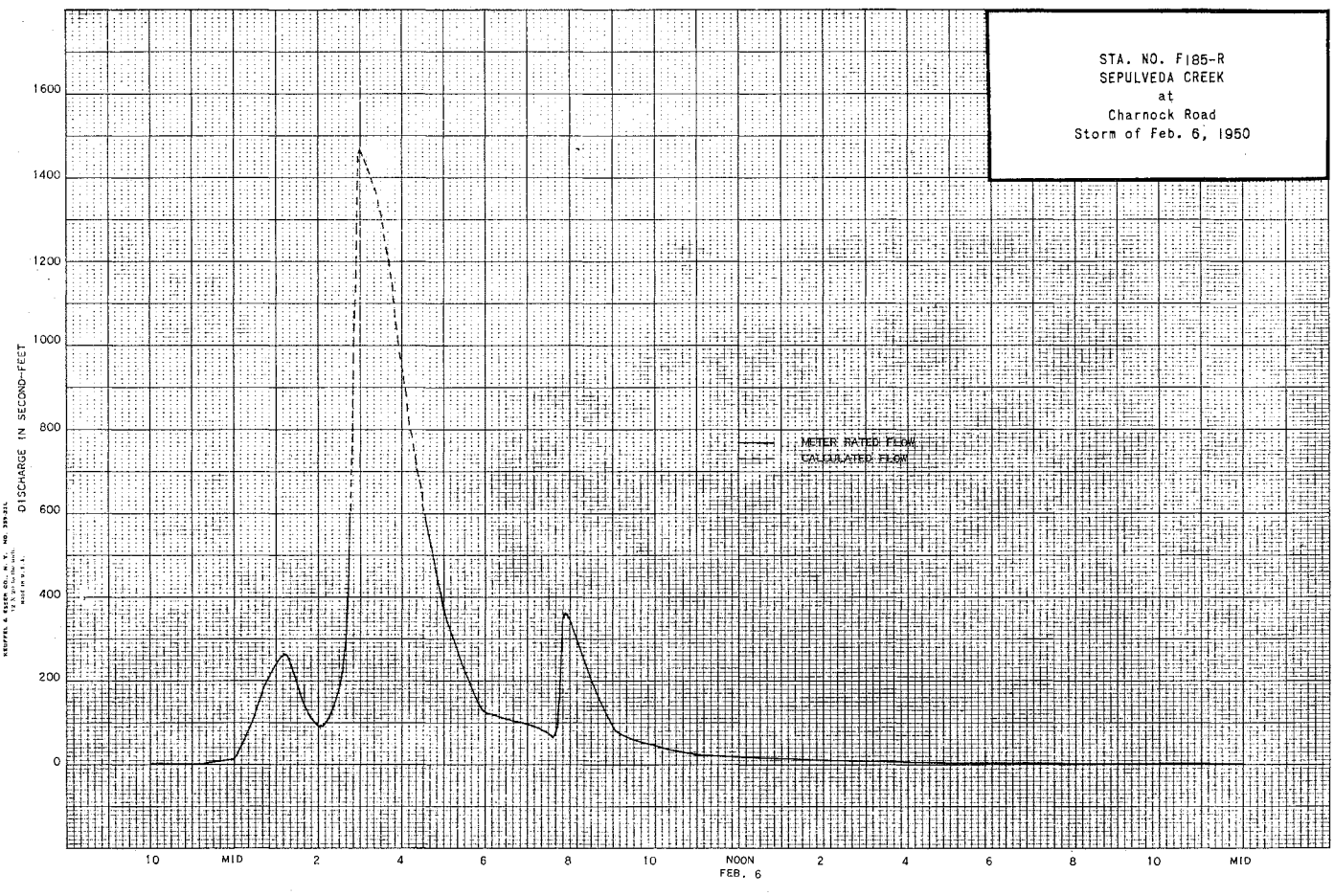
Sta. No. F185R

Daily discharge, in second-feet of SEPULVEDA CREEK at Charnock Road, for the year ending September 30, 19 50

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.3	0.6	0.5	0.4	0.2	0.2	0.1	0.3	e 0.8	e 0.2	e 0.5	e 0.2
2	0.3	0.6	0.6	0.8	0.3	0.3	0.2	0.5	0.8	0.3	0.5	0.3
3	0.3	0.8	0.6	0.3	0.4	0.3	0.1	0.5	0.8	0.3	0.4	0.4
4	0.4	0.7	0.6	0.3	0.3	0.3		0.4	0.8	0.3	0.3	0.5
5	0.4	0.7	0.5	0.6	2.2	0.3	0.1	2.4	0.8	0.4	0.3	0.6
6	0.6	0.8	0.4	0.4	159	0.2	0.1	2.6	0.8	0.4	0.3	0.7
7	0.6	0.6	22	0.7	1.3	0.5	0.3	1.5	0.8	0.4	0.3	0.7
8	1.3	1.0	67	124	1.0	0.2	19	2.1	0.8	0.5	0.2	0.6
9	0.6	43	0.7	3.9	0.8	0.2	13.0	1.7	0.7	0.6	0.2	0.6
10	0.6	64	0.4	2.2	13	0.3	0.2	2.3	0.6	0.7	0.2	0.5
11	1.0	0.4	0.3	120	1.3	0.3	0.3	2.3	0.6	0.8	0.2	0.4
12	0.8	0.2	0.3	32	0.6	0.3	0.1	2.6	0.5	0.9	0.3	0.3
13	0.7	0.3	0.4	1.5	0.4	0.4	0.1	1.0	0.4	1.0	0.4	0.3
14	0.7	0.3	0.4	10	0.3	0.3	0.1	0.8	0.3	1.0	0.5	0.2
15	0.6	0.3	0.7	1.2	0.4	0.4	0.2	1.1	0.3	1.0	0.6	0.3
16	0.4	0.4	0.6	1.3	0.6	0.1	0.3	1.3	0.3	1.0	0.7	0.5
17	0.4	0.3	0.7	1.2	0.4	0.2	0.2	0.8	0.3	1.0	0.7	0.6
18	0.6	0.4	290	0.5	0.4	0.2	0.2	1.1	0.3	1.0	0.7	0.7
19	0.6	0.5	34	0.4	0.5	0.4	0.3	1.1	0.2	1.0	0.6	0.9
20	0.7	0.4	0.2	0.6	0.4	0.4	0.3	1.5	0.2	1.0	0.5	1.1
21	0.6	0.5	0.7	0.6	0.6	0.5	0.4	1.2	0.2	1.0	0.5	1.2
22	0.6	0.6	0.6	0.6	0.4	0.4	0.3	1.5	0.2	1.0	0.4	1.1
23	0.7	1.2	0.8	0.4	0.3	0.1	0.6	1.2	0.2	0.9	0.3	1.0
24	0.6	0.7	0.8	0.6	0.3	50	0.4	1.1	0.2	0.9	0.3	0.8
25	0.7	0.5	0.4	0.4	0.3	2.4	0.3	1.0	0.2	0.9	0.3	0.7
26	1.0	0.6	0.3	0.4	0.4	0.3	0.7	0.8	0.2	0.8	0.3	0.6
27	0.8	0.4	0.3	0.1	0.4	0.2	0.3	1.2	0.2	0.8	0.3	0.5
28	0.8	0.5	0.3	17	0.2	0.2	0.3	0.8	0.2	0.8	0.2	0.3
29	0.9	0.5	0.4	7.4		0.2	0.4	e 0.8	0.2	0.7	0.2	0.2
30	0.6	0.5	0.3	0.4		0.1	0.5	e 0.8	e 0.2	0.6	0.2	e 0.4
31	0.7		0.3	0.4		0.1		e 0.8		e 0.6	e 0.2	
	19.9	122.3	426.1	330.6	186.7	60.3	39.4	39.1	13.1	22.8	11.6	17.2
MEAN	0.64	4.08	13.7	10.7	6.67	1.95	1.31	1.26	0.44	0.74	0.37	0.57
ACRE-FEET	39.	243.	845.	656.	370.	120.	78.	78.	26.	45.	23.	34.

Remarks:

YEAR OR PERIOD MEAN 3.53
ACRE-FEET 2560.



STATION F67B-R

SIERRA MADRE WASH below Sierra Madre Dam

(formerly LITTLE SANTA ANITA CREEK)

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 DOWNSTREAM 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, 1949 TO SEPTEMBER 30, 1951.

REGULATION: THE 30-INCH DIAMETER GATE VALVE IN THE SIERRA MADRE DAM REMAINS OPEN EXCEPT IN EMERGENCY CONDITIONS.

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, 1951.

EXTREMES OF DISCHARGE:
1949-50
MAXIMUM 36. SECOND-FEET, NOVEMBER 10.
MINIMUM NO FLOW MOST OF YEAR.
1950-51
MAXIMUM 3.5 SECOND-FEET, JANUARY 11.
MINIMUM NO FLOW MOST OF YEAR.
1929-51
MAXIMUM 620 SECOND-FEET, ESTIMATED MARCH 2, 1938.
MINIMUM NO FLOW SEVERAL MONTHS DURING MOST YEARS.

ACCURACY: FAIR.

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

DISCHARGE MEASUREMENTS OF SIERRA MADRE WASH

~~AT~~ NEAR Below Sierra Madre Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 50

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.
237	2-6	0652 / 0657	MOON - GUTIERREZ	1.2	0.48	11.7	1.10	5.6		.6	3	0	PITOT
238	2-6	1150 / 1155	"	1.1	0.21	10.5	0.86	2.2		.6	3	0	"
239	2-10	1345 / 1347	"	1.0	0.07	7.14	0.72	0.50		.6	2	0	"
240	3-24	2100 / 2110	"	1.8	0.62	12.3	1.12	7.6		.5	3	0	"

DISCHARGE MEASUREMENTS OF SIERRA MADRE WASH

~~AT~~ NEAR Below Sierra Madre Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 51

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.
241	1-29	1335 / 1339	MOON - MURPHY	1.1	0.08	6.38		0.51		PITOT TUBE	4		PITOT # 2

F. C. Dist. Form 52 4-46

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, 1950

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	2.5	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0.3	0	0	1.9	0	0	0	0	0
9	0	0	0	.0	0	0	0.9	0	0	0	0	0
10	0	6.9	0	0	0.3	0	0.2	0	0	0	0	0
11	0	0.6	0	0.3	0.1	0	0	0	0	0	0	0
12	0	0.2	0	0.1	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	5.1	0	0	0	0	0	0	0	0	0
19	0	0	3.1	0	0	0	0	0	0	0	0	0
20	0	0	0.8	0	0	0	0	0	0	0	0	0
21	0	0	0.3	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	1.6	0	0	0	0	0	0
25	0	0	0	0	0	0.8	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	7.7	9.3	0.7	2.9	2.4	3.0	0	0	0	0	0
MEAN	0	0.26	0.30	.023	.104	.077	0.10	0	0	0	0	0
ACRE-FEET	0	15.	18.	1.4	5.8	4.8	6.0	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 0.07
ACRE-FEET 51.

70D74M F. C. Dist. 52 9-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

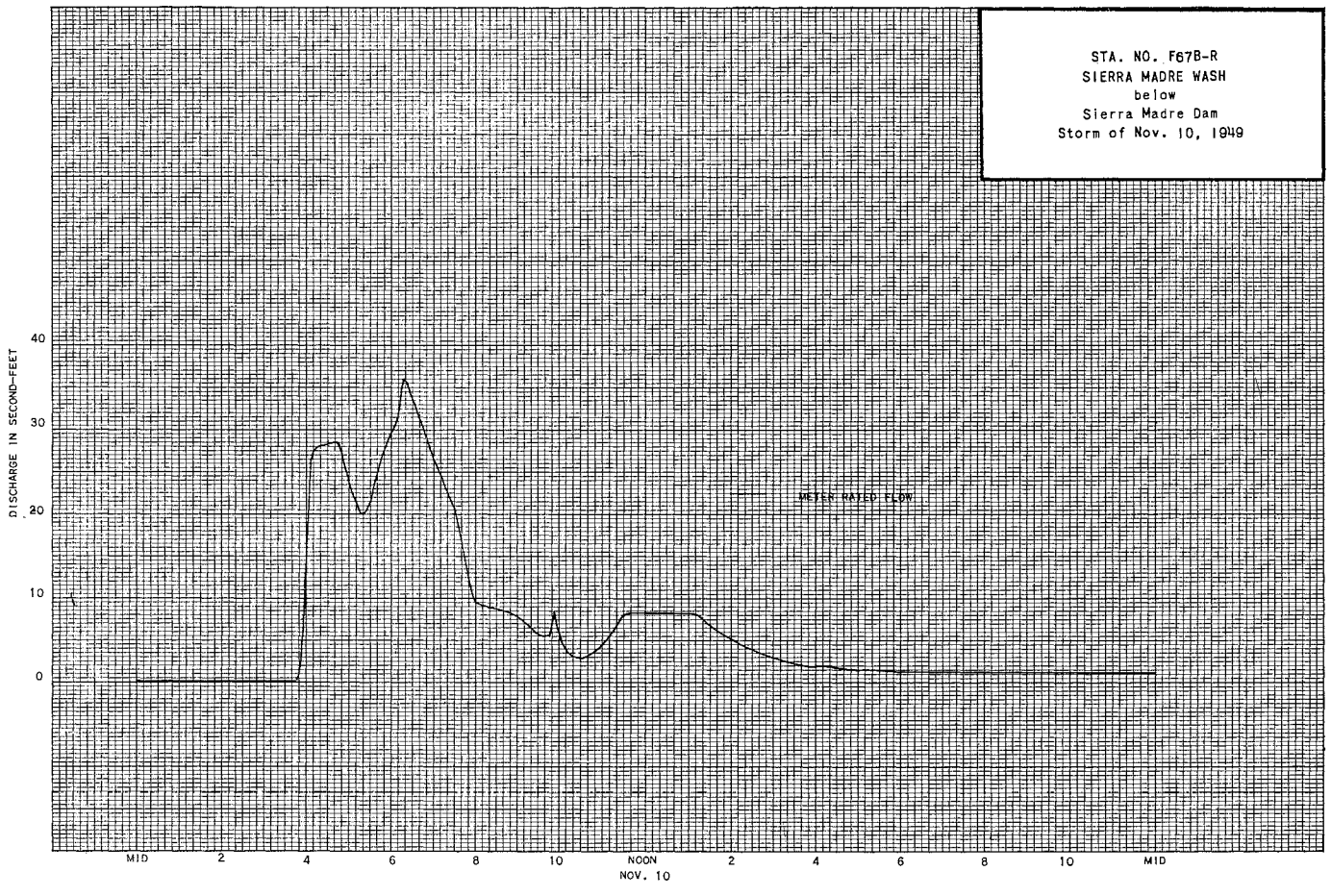
Sta. No. F67B-R

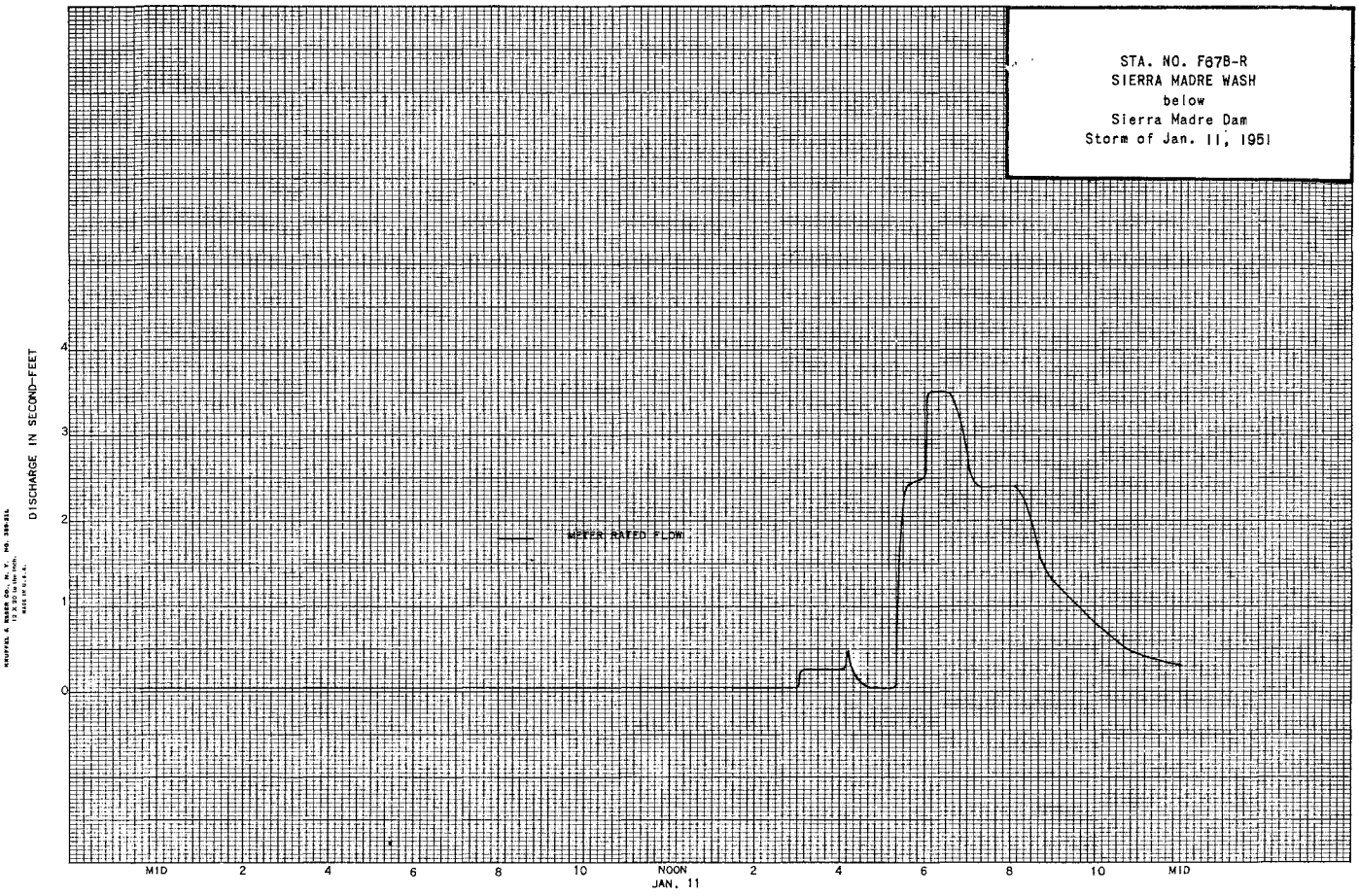
Daily discharge, in second-feet of SIERRA MADRE WASH below Sierra Madre Dam for the year ending September 30, 1951

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	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	0.5	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	0.2	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	0.2	0	0	0	0	0
29	0	0	0	0.1	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	0.8	0	0	0.2	0	0	0	0	0
MEAN	0	0	0	.026	0	0	.007	0	0	0	0	0
ACRE-FEET	0	0	0	1.6	0	0	0.4	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN .003
ACRE-FEET 2.0





STATION F287-R

SIERRA MADRE WASH at Woodland Avenue

(formerly LITTLE SANTA ANITA CREEK)

LOCATION: WATER-STAGE RECORDER. LAT. 34°09'19", LONG. 118°01'41", ON THE LEFT (NORTH-EAST) CHANNEL WALL ABOUT 30 FEET UPSTREAM FROM SANTA ANITA WASH, ABOUT 20 FEET EAST OF THE INTERSECTION OF WOODLAND AVENUE AND FIRST STREET AND ABOUT ONE MILE NORTH OF ARCADIA. ELEVATION OF ZERO GAGE HEIGHT, 557.22 FEET.

DRAINAGE AREA: 3.8 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - RECTANGULAR CONCRETE, 6 FEET DEEP AND 10 FEET WIDE. CHANNEL FORMS CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM DOWN-STREAM 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, 1949 TO SEPTEMBER 30, 1951.

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 FOR ABOUT ONE MILE ABOVE STATION FOR SPREADING IN SIERRA MADRE SPREADING GROUNDS.

RECORDS AVAILABLE: SEE REMARKS.

EXTREMES OF DISCHARGE:

1949-50
MAXIMUM 110 SECOND-FEET, NOVEMBER 10.
MINIMUM NO FLOW MOST OF YEAR.

1950-51
MAXIMUM 110 SECOND-FEET, JANUARY 11.
MINIMUM NO FLOW MOST OF YEAR.

1938-51
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.

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

REMARKS: SEVERAL PRIOR YEARS' RECORDS ARE NOT PUBLISHED DUE TO INSUFFICIENT RELIABLE RECORDS.

DISCHARGE MEASUREMENTS OF SIERRA MADRE WASH

AT NEAR Woodland Avenue DURING THE YEAR ENDING SEPTEMBER 30, 1950

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
76	3-22	1040 / 1048	MOON	10.0	4.00	8.60	0.43	34.4		.5	5	0	PITOT

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F267R

Daily discharge, in second-feet of SIERRA MADRE WASH at Woodland Avenue, for the year ending September 30, 1950

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	4.5	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	2.4	0	0	3.3	0	0	0	0	0
9	0	0.2	0	0	0	0	0.1	0	0	0	0	0
10	0	8.2	0	0	0.3	0	0	0	0	0	0	0
11	0	0	0	2.2	0	0	0	0	0	0	0	0
12	0	0	0	0.1	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	0.6
18	0	0	6.8	0	0	0	0	0	0	0	0	0
19	0	0	0.9	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	4.2	0	0	0	0	0	0
23	0	0	0	0	0	0.5	0	0	0	0	0	0
24	0	0	0	0	0	2.9	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	8.4	7.7	4.7	4.8	7.6	3.4	0	0	0	0	0.6
MEAN	0	0.28	0.25	0.15	0.17	0.25	0.11	0	0	0	0	.02
ACRE-FEET	0	17.	15.	9.3	9.5	15.	6.7	0	0	0	0	1.2

Remarks:

YEAR OR PERIOD MEAN 0.10
ACRE-FEET 74.

TENTATIVE F. C. Dist. 52 9-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F267-R

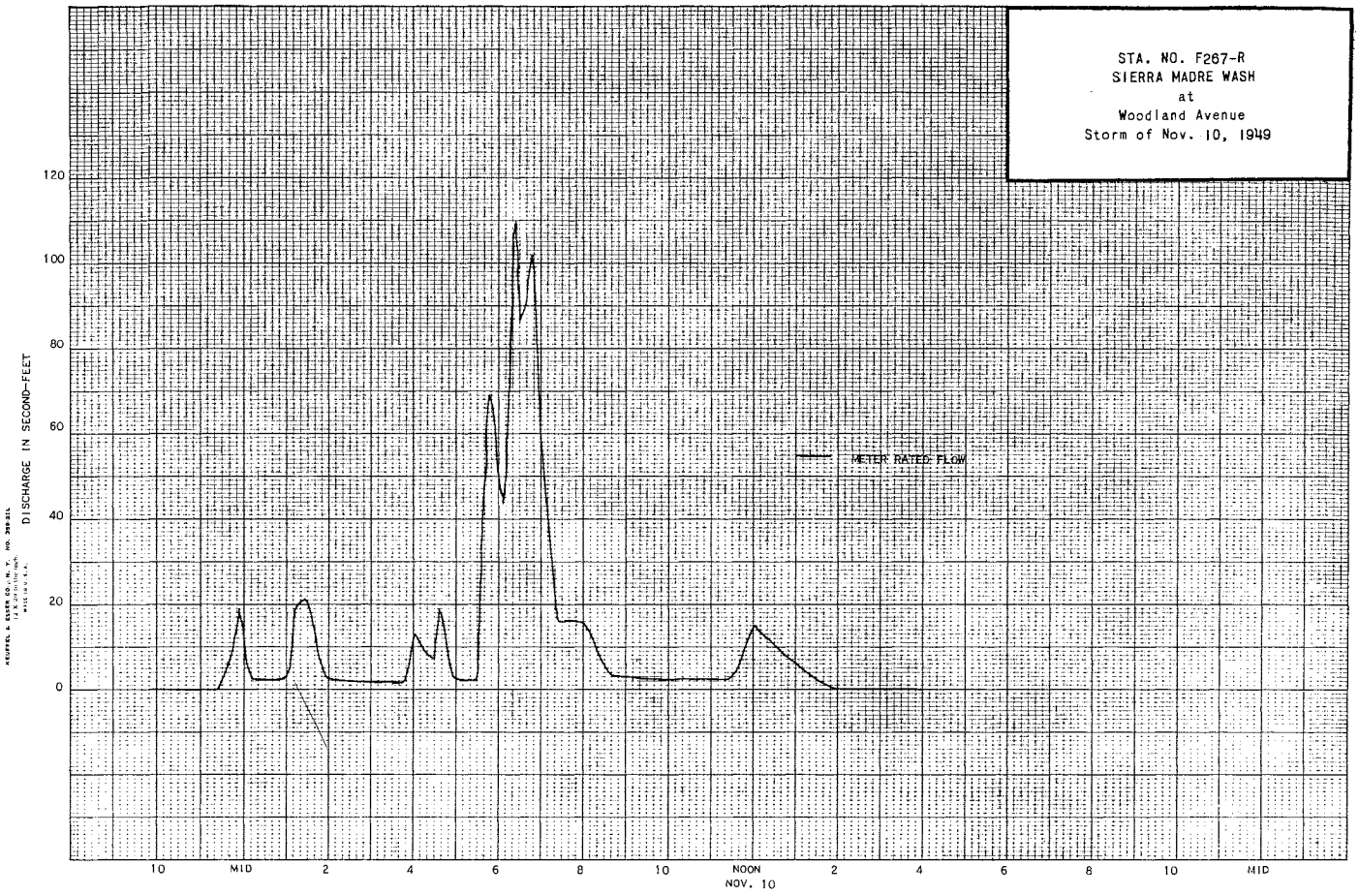
Daily discharge, in second-feet of SIERRA MADRE WASH at Woodland Avenue, for the year ending September 30, 1951

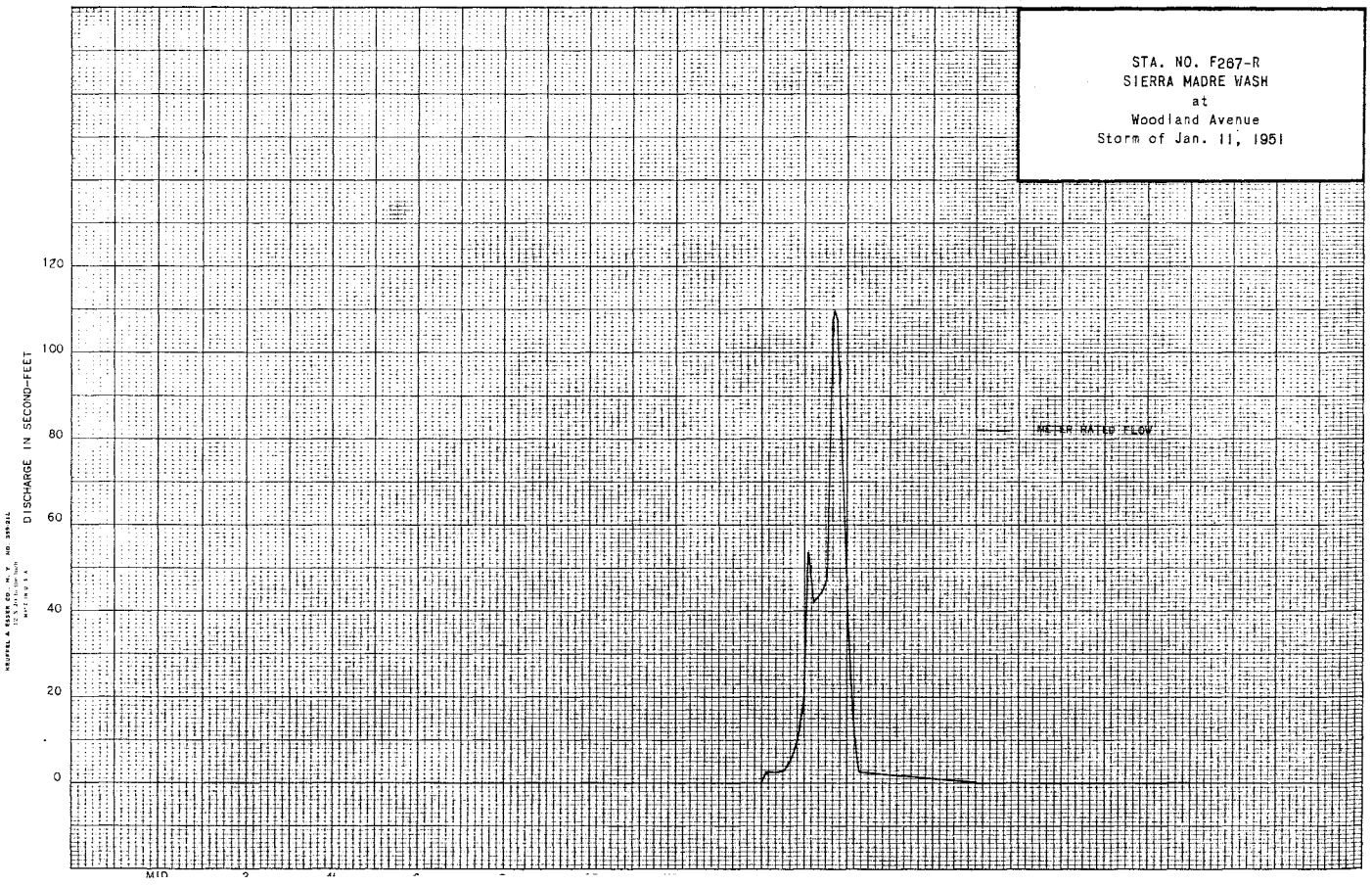
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	1.6	0	0	0			
2	0	0	0	0	0	0	0	0	0			
3	0	0	0	0	0	0	0.2	0	0			
4	0	0	0	0	0	0	0	0	0			
5	0	0	0	0	0	0	0	0	0			
6	0	0	0	0	0	0	0	0	0			
7	0	0	0	0	0	0	0	0	0			
8	0	0	0	0	0	0	0	0				
9	0	0	0	0	0	0	0	0				
10	0	0	0	0.9	0	0	0	0				
11	0	0	0	3.3	0	0	0	0				
12	0	0	0	0	0	0	0	0				
13	0	0.2	0	0	0	0	0	0.2				
14	0	0	0	0	0	0	0	0				
15	0	0	0	0	0	0	0	0				
16	0	0	0	0.2	0	0	0	0				
17	0	0	0	0	0	0	0	0				
18	0	0	0	0.2	0	0	0	0				
19	0	0.5	0	1.2	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	0.5	0	0	0				
23	0	0	0	0	0.1	0	0	0				
24	0	0	0	0	0	0	0	0				
25	0	0	0	0	0	0	1.3	0				
26	0	0	0	0	0.8	0	0	0				
27	0.1	0	0	0	0	0	0	0				0
28	0	0	0	0	0	0	8.4	0				0
29	0	0	0	2.0		0	0.6	0				0
30	0	0	0	0		0	0	0				0
31	0		0	0		0		0				
	0.1	0.7	0	7.8	1.4	1.6	10.5	0.2	0	0	0	0
MEAN	.003	.023	0	0.25	0.05	0.05	0.35	.006	0	0	0	0
ACRE-FEET	0.2	1.4	0	15.	2.8	3.2	21.	0.4	0	0	0	0

Recorder stopped

Remarks:

YEAR OR PERIOD MEAN .061
ACRE-FEET 44.


STA. NO. F267-R
SIERRA MADRE WASH
at
Woodland Avenue
Storm of Nov. 10, 1949
DISCHARGE IN SECOND-FEET
120
100
80
60
40
20
0
METER RATED FLOW
10
MID
2
4
6
8
10
NOON
NOV. 10
2
4
6
8
10
MID


STA. NO. F267-R
SIERRA MADRE WASH
at
Woodland Avenue
Storm of Jan. 11, 1951
DISCHARGE IN SECOND-FEET
120
100
80
60
40
20
0
METER RATED FLOW
MID

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 MIS. 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 FOOT-BRIDGE ABOUT 80 FEET BELOW STATION.

RECORDER: INSTALLED JANUARY 30, 1928 IN A 3 FT. X 4 FT. CONCRETE HOUSE AND STILLING WELL COMBINED. RECORDER REINSTALLED OCTOBER 1,1935. STEVENS TYPE L RECORDER WAS IN SERVICE FROM OCTOBER 1, 1949 TO SEPTEMBER 30, 1951.

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, 1951.

EXTREMES OF DISCHARGE:

1949-50
MAXIMUM 20. SECOND-FEET, FEBRUARY 6.
MINIMUM NO FLOW AT VARIOUS TIMES.

1950-51
MAXIMUM 55. SECOND-FEET, JANUARY 11.
MINIMUM NO FLOW AT VARIOUS TIMES.

1928-51
MAXIMUM NOT DETERMINED, MARCH 2, 1938.
MAXIMUM DISCHARGE OF RECORD, 340 SECOND-FEET, FEBRUARY 22, 1944.
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: FAIR.

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

DISCHARGE MEASUREMENTS OF SYCAMORE CANYON CHANNEL

above Solway Street DURING THE YEAR ENDING SEPTEMBER 30, 1950

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	D. MT. CHANGE TOTAL	METER NO.
53	1-12	1130 / 1134	BLAKELY	6.0	0.71	5.63		4.0		.5	4		FC35

F. C. Dist. Form 52 4-46

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, 1950

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	+	0.1	0.1	0.1	+				+
2	0	+	+		0.1	0.1	0.1					
3	0		+		0.1	0.1	0.1					
4	0		+		0.1	0.1	0.1					
5	0		0		0.1	0.1	0.1					
6	0	+	0		2.7	0.1	0.1					
7	0	0	+	+	0.1	0.1	0.1					
8	0	0	0.2	0.5	0.1	0.1	0.2					
9	+	0.2	+	+	0.1	0.1	0.2					
10	0	0.7	0	+	0.4	0.1	0.1					
11	+	+	+	0.5	0.2	0.1	0.1					
12	+	+	0	0.3	0.2	0.1	0.1					
13	0	+	0	0.1	0.2	+	0.1					
14	0	0	0	0.1	0.1	+	0.1					
15	+	0	+	0.1	0.1	+	0.1					
16	+	0	0	0.1	0.1	+	+	+				+
17	0	0	0	0.1	0.1	0.1						0.3
18	0	0	1.4	0.1	0.1	0.1						+
19	0	+	0.1	0.1	0.1	0.1						
20	0	+	+	0.1	0.1	0.1						
21	+	0		0.1	0.1	0.1						+
22	+	0		0.1	0.1	+						
23	+	0		0.1	0.1	+						
24	0	0		+	0.1	0.9						
25	0	+		+	0.1	0.2						
26	0	+		+	0.1	0.1						
27	0	+		+	0.1	0.1						
28	0	0		0.1	0.1	0.1						
29	+	0		0.1		0.1						
30	+	+		+		0.1	+					+
31	+		+	+		0.1						
		0.9	1.7	2.6	6.0	3.4	+	+	+	+	+	0.3
MEAN	+	0.03	0.05	0.08	0.21	0.11	0.05	+	+	+	+	0.01
ACRE-FEET	+	1.8	3.4	5.2	12.	6.7	3.4	+	+	+	+	0.6

Stopped for summer

Remarks: + = 0.05 c.f.s. or less.

YEAR OR PERIOD MEAN .045
ACRE-FEET 33.

76D74M F. C. Dist. 52 9-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

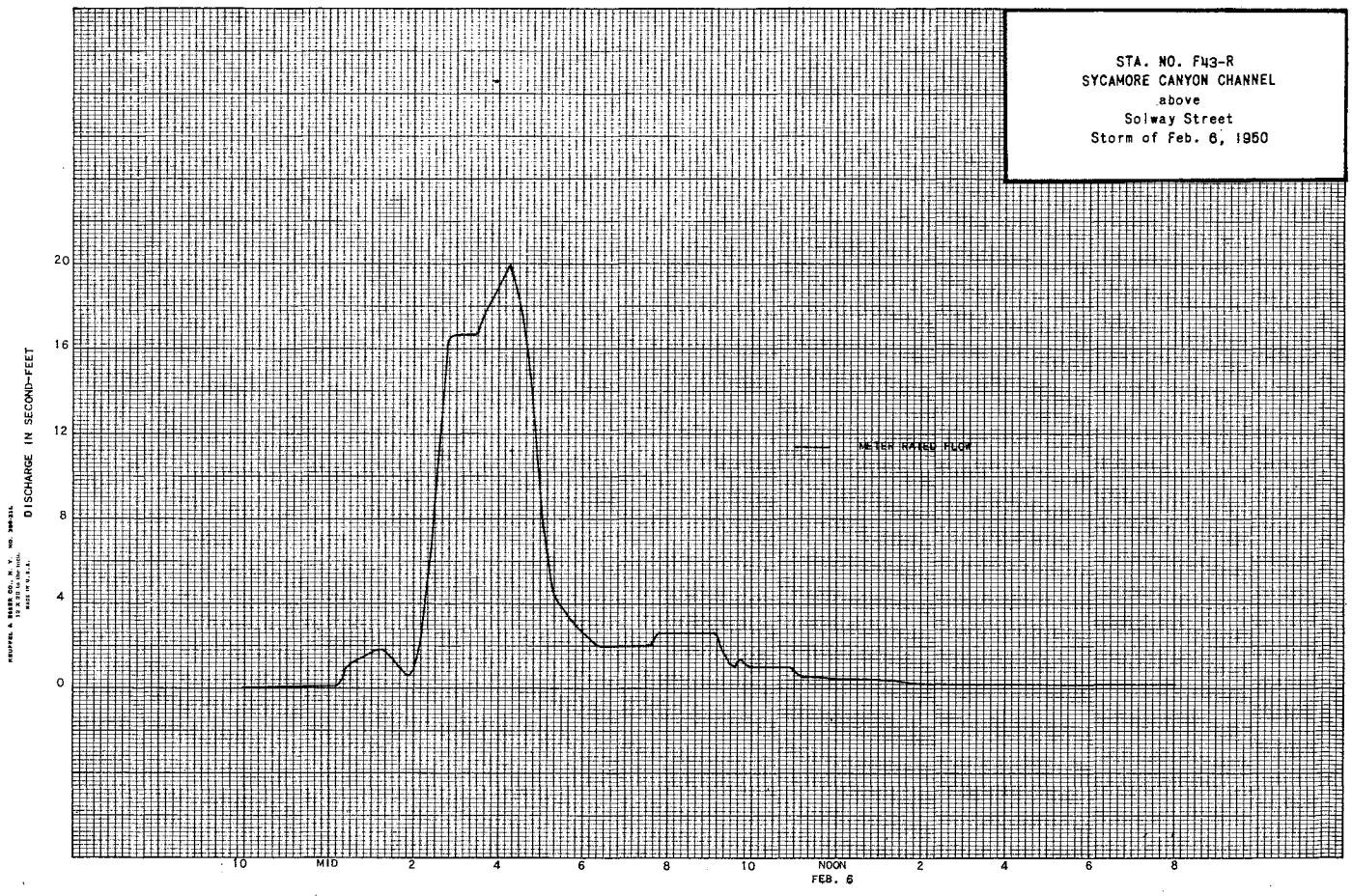
Sta. No. F43-R

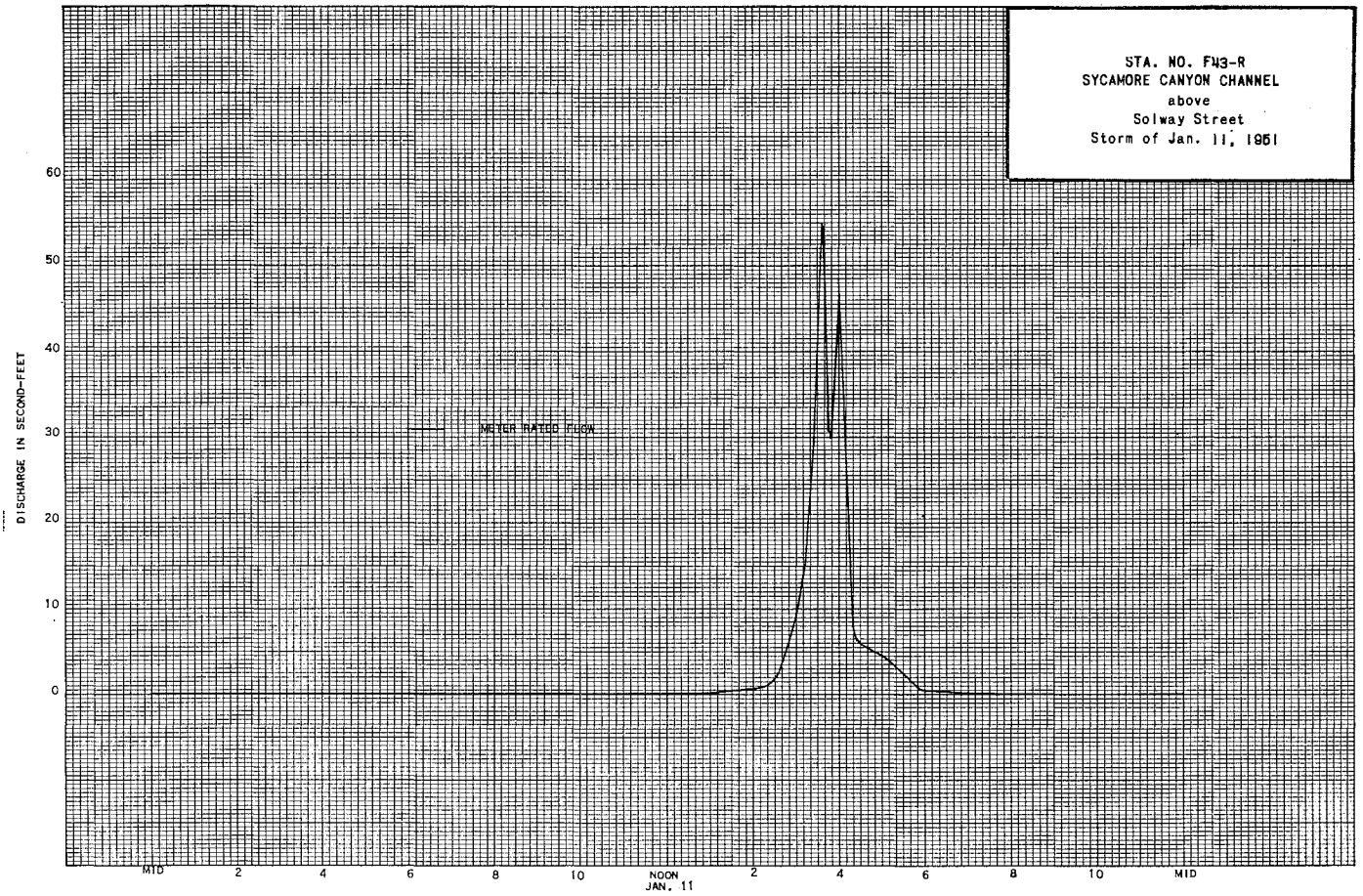
Daily discharge, in second-feet of SYCAMORE CANYON CHANNEL above Solway Street, for the year ending September 30, 1951

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	+	+	+	+	0.7	+	0.1				
2	+			+		0.1	+	+				
3	+			+		0.1	0.1					
4	+			0.1		+	0.1					
5	0			0.1			+					
6	+			0.1								
7	+			0.1								
8	+			0.1								
9	0			0.1								
10	+			0.5								
11	+			2.6								
12	0	+		+				+	Stopped for summer.			
13	0	0.2		+				0.1				
14	+	0.1		+				+				
15		+		+				+				
16		+		0.1								
17		+		+								
18		0.2		+								
19		0.3		0.2								
20		+		0.1								
21	+		+	0.1	+							
22	0		0.1	0.1	0.1							
23	0		0.1	0.1	0.4							
24	0		0.1	0.1	0.1		+					
25	0		0.1	0.1	0.1		1.0					
26	0.1		0.1	0.1	0.4		0.1					
27	0.1		0.1	0.1	0.2		0.1					
28	+		0.1	0.1	0.1		1.7					
29		+	0.1	1.3			0.2					
30			0.1	0.1			0.1					
31	+		+	0.1		+		+				
	0.2	0.8	0.9	0.6	1.4	0.9	3.4	0.2				
MEAN	.006	.027	.029	0.19	0.05	.029	.113	.006				
ACRE-FEET	0.4	1.6	1.8	12.	2.8	1.8	6.7	0.4				

Remarks: + = 0.05 c.f.s. or less.

YEAR OR PERIOD MEAN .038
ACRE-FEET 28.





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, 1949 TO SEPTEMBER 30, 1951.

REGULATION: NONE.

DIVERSIONS: NONE.

RECORDS AVAILABLE: DECEMBER 15, 1927 TO SEPTEMBER 30, 1951.

EXTREMES OF DISCHARGE:

1949-50
MAXIMUM 205, SECOND-FEET, FEBRUARY 6.
MINIMUM PLUS FLOW AT VARIOUS TIMES.

1950-51
MAXIMUM 262, SECOND-FEET, APRIL 28.
MINIMUM PLUS FLOW AT VARIOUS TIMES.

1927-51
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.

DISCHARGE MEASUREMENTS OF SYCAMORE CANYON CHANNEL

AT ~~NEAR~~ Adams Square DURING THE YEAR ENDING SEPTEMBER 30, 19 50

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION 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	11-10	1102 / 1117	BLAKELY	9.0	11.4	11.3	1.05	129.		.6	8	-.06	FC35
5	12-8	0120 / 0130	BLAKELY - SPENCER	9.0	5.71	7.87	0.44	45.0		.5	8	+.06	"
6	1-9	1233 / 1240	BLAKELY	3.4	0.12	1.33	0.07	0.16	FLOATS		4	0	
7	1-11	1435 / 1448	"	9.0	7.13	9.47	0.63	67.5		.6	8	-.08	FC35
8	1-12	1221 / 1227	"	9.0	2.68	3.47	0.33	9.3		.5	5	-.02	"
9	3-1	1240 / 1248	"	2.6	0.06	0.83	0.06	0.05	FLOATS		4	0	
10	3-24	1945 / 1955	"	9.0	3.50	5.60	0.34	19.6		.5	8	+.02	FC35

DISCHARGE MEASUREMENTS OF SYCAMORE CANYON CHANNEL

AT ~~NEAR~~ Adams Square DURING THE YEAR ENDING SEPTEMBER 30, 19 51

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
11	11-19	1056 / 1108	LANG	9.0	2.43	0.54	0.34	13.1		.5	8	0	FC12

F. C. Dist. Form 52 4-48

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F44B-R

Daily discharge, in second-feet of SYCAMORE CANYON CHANNEL at Adams Square, for the year ending September 30, 1950

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.04	0.02	0.02	0.04	0.02	0.1	0.04	0.04	0.04	0.04	0.02	0.04
2	0.04	0.1	0.02	0.02	0.02	0.1	0.04	0.04	0.04	0.04	0.04	0.04
3	0.02	0.02	0.01	0.01	0.02	0.3	0.04	0.4	0.04	0.04	0.04	0.1
4	0.02	0.02	0.01	0.01	0.02	0.3	0.04	0.04	0.04	0.04	0.04	0.1
5	0.02	0.02	0.01	0.01	e 0.5	0.3	0.04	0.04	0.04	0.04	0.04	0.3
6	0.02	0.02	0.02	0.01	e 27	0.3	0.04	0.04	0.3	0.04	0.04	0.4
7	0.02	0.02	e 1.2	0.04	0.4	0.1	0.04	0.04	0.04	0.04	0.02	0.5
8	0.02	0.04	e 6.3	e 15.2	0.4	0.04	e 6.0	0.04	0.04	0.3	0.02	0.3
9	0.01	e 6.7	0.02	0.4	0.3	0.04	e 1.7	0.04	0.02	0.04	0.01	0.1
10	0.02	e 2.6	0.01	0.1	e 3.7	0.04	0.04	0.04	0.02	0.04	0.01	0.04
11	0.02	0.04	0.01	e 12.4	0.5	0.04	0.04	0.04	0.02	0.04	0.01	0.04
12	0.02	0.04	+	2.9	0.4	0.04	0.04	0.04	0.02	0.04	0.1 a	0.04
13	0.02	0.02	0.01	0.3	0.3	0.04	0.04	0.04	0.04	0.04	0.02 a	0.04
14	0.02	0.02	0.01	e 0.4	0.3	0.04	0.04	0.04	0.04	0.1	0.02 a	0.04
15	0.02	0.02	0.3	0.3	0.3	0.04	0.1	0.04	0.04	0.04	0.02	0.04
16	0.02	0.01	0.04	0.1	0.3	0.04	0.04	0.04	0.04	0.02	0.02	0.04
17	0.02	0.01	0.04	0.04	0.1	0.04	0.04	0.04	0.1	0.02	0.02	6.6
18	0.02	0.04	e 36	0.3	0.1	0.1	0.04	0.04	0.04	0.02	0.04	0.4
19	0.01	0.02	e 2.7	0.04	0.1	0.1	0.04	0.1	0.04	0.02	0.04	0.1
20	0.01	0.02	0.1	0.04	0.1	0.1	0.04	0.3	0.04	0.01	0.04	0.04
21	0.01	0.02	0.04	0.3	0.1	0.1	0.04	0.1	0.04	0.01	0.04	0.04
22	0.02	0.02	0.1	0.1	0.1	0.1	0.4	0.04	0.04	0.02	0.04	0.04
23	0.02	0.02	0.04	0.04	0.3	0.1	0.3	0.04	0.04	0.1	0.1	0.04
24	0.02	0.02	0.04	0.4	0.1	e 24	0.1	0.04	0.04	0.04	0.3	0.02
25	0.01	0.02	0.04	0.4	0.1	e 1.5	0.04	0.04	0.04	0.02	0.3	0.02
26	0.01	0.02	0.02	0.4	0.04	0.4	0.04	0.04	0.04	0.02	0.1	0.01
27	0.02	0.02	0.02	0.3	0.04	0.4	0.04	0.1	0.1	0.02	0.04	0.01
28	0.01	0.02	0.02	e 2.4	0.04	0.3	0.04	0.04	0.04	0.02	0.04	0.01
29	0.01	0.02	0.04	e 2.4		0.3	0.04	0.04	0.04	0.02	0.04	0.04
30	0.01	0.02	0.02	0.02		0.1	0.04	0.04	0.04	0.1	0.04	0.04
31	0.02		0.1	0.02		0.04		0.04		0.04	0.04	
	0.57		47.31		35.70		9.56		1.50		1.69	
		33.40		39.44		29.54		2.04		1.42		9.57
MEAN	.018	1.11	1.53	1.27	1.28	0.95	0.32	.066	.050	.046	.055	0.32
ACRE-FEET	1.1	66.	94.	78.	71.	59.	19.	4.0	3.0	2.8	3.4	19.

Remarks: ◆ = less than 0.01 c.f.s.

YEAR OR PERIOD MEAN 0.58
ACRE-FEET 420

76D74M F. C. Dist. 52 9-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

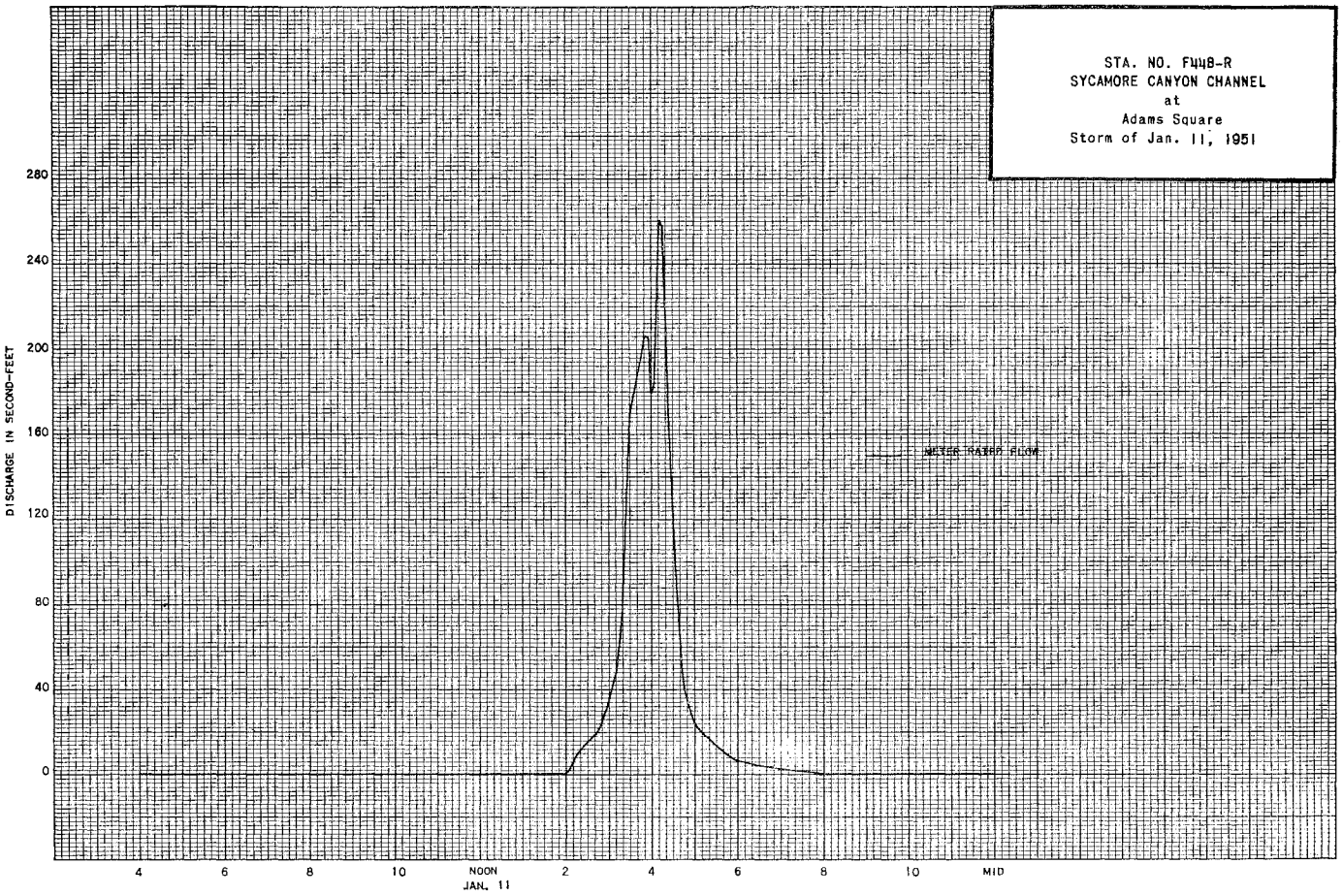
Sta. No. F44B-R

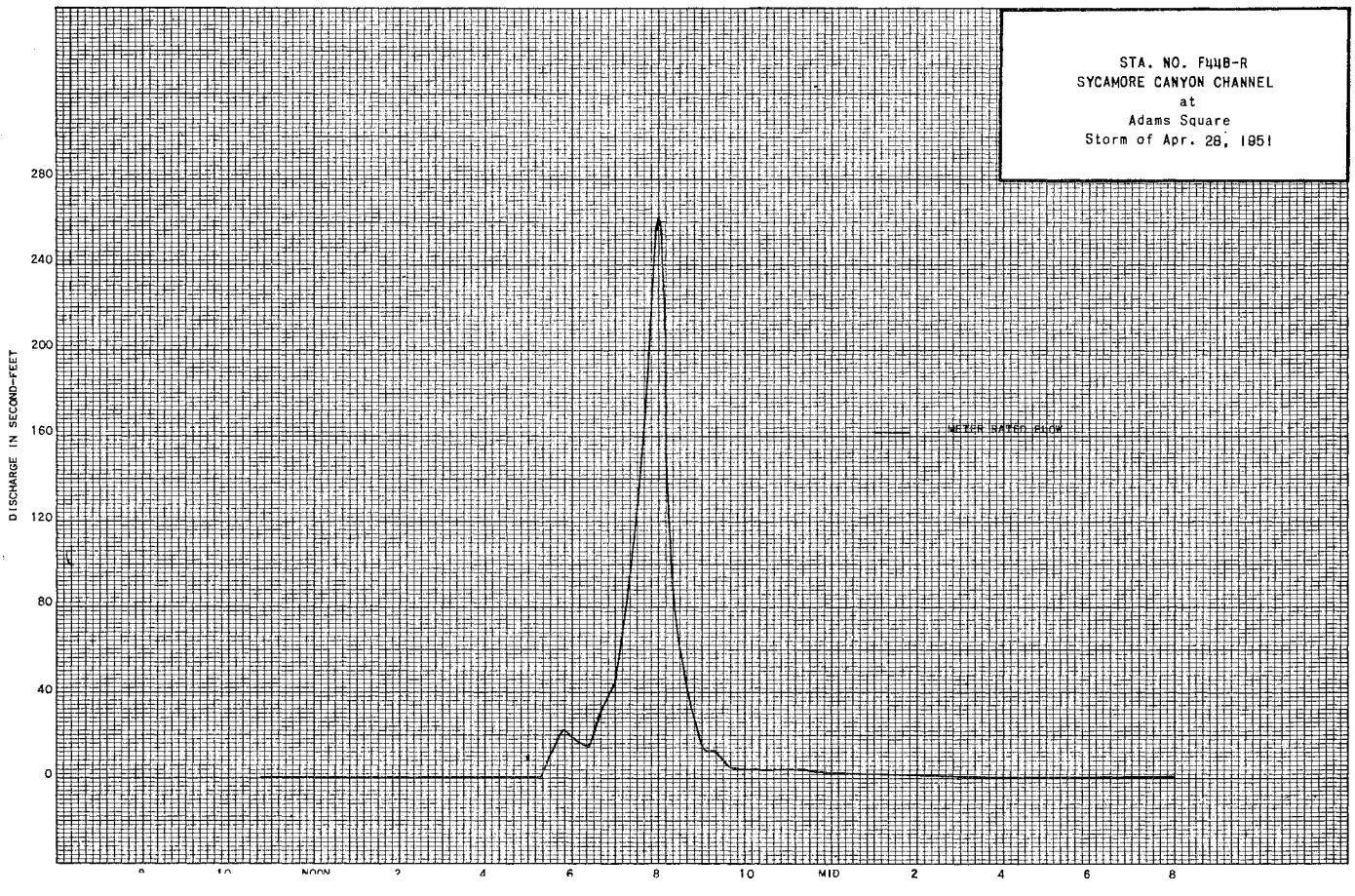
Daily discharge, in second-feet of SYCAMORE CANYON CHANNEL at Adams Square, for the year ending September 30, 1951

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.04	0.1	0.3	0.02	0.1	7.8	0.04	0.1	0.02	0.02	0.02	0.02
2	0.04	0.1	0.1	0.02	0.1	0.04	0.04	0.1	0.1	0.02	0.1	0.02
3	0.04	0.1	0.1	0.02	0.3	0.04	1.8	0.1	0.04	0.02	0.02	0.02
4	0.04	0.04	0.3	1.3	0.3	0.04	1.5	0.1	0.02	0.04	0.02	0.02
5	0.04	0.04	0.04	0.1	0.3	0.04	0.04	0.1	0.3 a	0.04	0.02	0.01
6	0.1	0.04	0.04	0.04	0.4	0.04	0.4	0.1	0.1 a	0.02	0.02	0.02
7	0.4	0.4	0.04	0.01	0.4	0.04	0.04	0.1	0.04	0.02	0.02	0.02
8	0.04	0.1	0.1	0.01	0.4	0.1	0.04	0.1	0.04	0.04	0.02	0.01
9	0.04	0.04	0.04	0.01	0.4	0.3	0.04	0.1	0.04	0.02	0.02	0.02
10	0.04	0.04	0.1	6.3	0.3	0.3	0.3	0.1	0.04	0.02	0.02	0.02
11	0.1	0.04	0.1	12.7	0.4	0.3	0.3	0.1	0.04	0.1	0.02	0.01
12	0.04	0.04	0.1	b 0.04	0.5	0.1	0.3	0.3	0.04	0.04	0.01	0.02
13	0.04	3.8	0.1	0.04	0.1	0.1	0.1	0.6	0.04	0.04	0.02	0.01
14	0.04	1.5	0.7	0.04	0.1	0.3	0.04	0.4	0.04	0.04	0.01	0.02
15	0.04	0.1	0.8	b 0.04	0.1	0.1	0.02	0.1	0.04	0.04	0.02	0.02
16	0.04	0.04	0.4	2.9 a	0.1	0.1	0.02	0.1	0.04	0.04	0.02	0.02
17	0.4	0.04	0.4	0.1	0.1	0.1	0.3	0.1	0.04	0.04	0.02	0.01
18	0.3	2.5	0.04	2.1	0.04	0.1	0.04	0.04	0.04	0.04	0.02	0.02
19	0.04	6.3	0.04	3.8	0.04	0.1	0.04	0.04	0.3	0.04	0.02	0.02
20	0.1	0.4	0.02	0.1 a	0.02	0.1	0.04	0.04	0.1	0.02	0.02	0.01
21	0.04	0.04	0.04	0.1	0.02	0.1	0.04	0.04	0.04	0.01	0.02	0.02
22	0.04	0.04	0.04	0.1	0.7	0.1	0.02	0.1	0.04	0.01	0.02	0.02
23	0.04	0.04	0.04	0.04	8.5	0.1	0.4	0.04	0.04	0.02	0.02	0.02
24	0.04	0.04	0.01	0.04	0.3	0.1	0.04	0.04	0.04	0.01	0.02	0.02
25	0.04	0.04	0.01	0.1	0.04	0.04	5.7	0.04	0.04	0.01	0.02	0.02
26	1.5	0.04	0.2	0.04	5.4	0.04	0.04	0.04	0.04	0.04	0.02	0.02
27	3.4	0.5	0.3	0.04	1.5	0.04	0.04	0.04	0.1	0.02	0.02	0.02
28	0.4	0.8	0.3	0.04	0.1	0.3	11.8	0.02	0.02	0.02	0.4	0.02
29	0.3	0.4	0.04	11.8		0.1	0.4	0.02	0.02	0.02	2.6	0.02
30	0.3	0.1	0.04	b 0.1		0.3	0.1	0.02	0.02	0.02	0.04	0.02
31	0.3		0.02	b 0.1		0.04		0.02		0.02	0.02	
	8.36		4.90		21.06		24.02		1.86		3.66	
		17.80		42.19		11.40		3.24		0.92		0.54
MEAN	0.27	0.59	0.16	1.36	0.75	0.37	0.80	.105	.062	0.03	.118	.018
ACRE-FEET	17.	35.	9.7	84.	42.	23.	48.	6.4	3.7	1.8	7.2	1.1

Remarks:

YEAR OR PERIOD MEAN .383
ACRE-FEET 279.


STA. NO. F44B-R
SYCAMORE CANYON CHANNEL
at
Adams Square
Storm of Jan. 11, 1951
METER RATED FLOW
DISCHARGE IN SECOND-FEET
0
40
80
120
160
200
240
280
4
6
8
10
NOON
JAN. 11
2
4
6
8
10
MID


STA. NO. F44B-R
SYCAMORE CANYON CHANNEL
at
Adams Square
Storm of Apr. 28, 1951
METER RATED FLOW
DISCHARGE IN SECOND-FEET
0
40
80
120
160
200
240
280
NOON
2
4
6
8
10
MID
2
4
6
8

STATION F287-R
THOMPSON CREEK SPREADING GROUNDS INTAKE at Thompson Creek Dam

LOCATION: WATER-STAGE RECORDER, LAT. 34°08'22", LONG. 117°42'37", ON THE LEFT (EAST) SIDE AND AT THE DOWNSTREAM SIDE OF THE 3 FT. X 3 FT. DIVERSION OUTLET THROUGH THOMPSON CREEK DAM. ELEVATION OF ZERO GAGE HEIGHT, 1624.45 FT.

DRAINAGE AREA: 3.7 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - 3 FT. X 3 FT. CONCRETE COVERED OUTLET WITH A TRANSITION INTO A 4 FT. 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, 1949 TO SEPTEMBER 30, 1951.

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, 1951.

EXTREMES OF DISCHARGE:
1949-50
NO FLOW FOR ENTIRE YEAR.
1950-51
NO FLOW FOR ENTIRE YEAR.
1940-1951
MAXIMUM 21 SECOND-FEET, FEBRUARY 24, 1943.
MINIMUM NO FLOW MOST OF EACH YEAR.

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

STATION F32B-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 50 FEET BELOW THOMPSON CREEK DAM TUNNEL OUTLET AND ABOUT 2.5 MILES NORTH OF CLAREMONT. ELEVATION OF ZERO GAGE HEIGHT, 1585.85 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 OVER AN 18-INCH CORRUGATED IRON PIPE STILLING WELL. A HORIZONTAL RATIONAL RECORDER WAS IN SERVICE FROM OCTOBER 1, 1949 TO SEPTEMBER 30, 1951.

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 STATION.

RECORDS AVAILABLE: RECORDER RECORDS DECEMBER 21, 1943 TO SEPTEMBER 30, 1951. FOR MEASUREMENTS PRIOR TO DECEMBER 21, 1943, SEE STATION F32-S. FROM MARCH 1928 SEE RECORDS BASED ON DAM OUTFLOW.

EXTREMES OF DISCHARGE:
1944-51
NO FLOW FOR PERIOD OF RECORD.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT FOR MEASURING OUTFLOW FROM THOMPSON CREEK DAM.

REMARKS: NO FLOW FOR THESE TWO SEASONS.

STATION F54-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 ZERO GAGE HEIGHT, 265.60 FEET.

DRAINAGE AREA: 18 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - ROCK AND GRAVEL. NO ARTIFICIAL CONTROL.

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

RECORDER: INSTALLED JANUARY 1, 1930 AT STATION F54-R. REMOVED JUNE 4, 1940. INSTALLED JUNE 5, 1940 AT STATION F54B R. REMOVED DECEMBER 9, 1941. RE-INSTALLED DECEMBER 9, 1941 AT THE APPROXIMATE FORMER LOCATION IN A CONCRETE HOUSE AND WELL CONSTRUCTED IN THE ABUTMENT OF THE CONCRETE BRIDGE. AN H.C. F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1947 TO APRIL 25, 1949. A STEVENS CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1949 TO SEPTEMBER 30, 1951.

REGULATION: NONE.

DIVERSIONS: NONE.

RECORDS AVAILABLE: JANUARY 1, 1930 TO SEPTEMBER 30, 1951.

EXTREMES OF DISCHARGE:

1949-50
MAXIMUM 275 SECOND-FEET, DECEMBER 18.
MINIMUM 0.01 SECOND-FOOT, AUGUST 8 TO 10.

1950-51
MAXIMUM 21. SECOND-FEET, JANUARY 11.
MINIMUM 0.01 SECOND-FOOT VARIOUS TIMES.

1930-51
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, 1950

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
670	10-27	1535 / 1540	BOLLINGER	1.1	0.06	0.50	2.27	0.03	FLOATS		2	0	
671	11-10	1530 / 1538	REINHARD - BOLLINGER	2.8	0.47	0.38	2.32	0.18		.5	5	0	FC6
672	11-17	1504 / 1509	BOLLINGER	1.7	0.13	0.31	2.19	0.04	FLOATS		3	0	
673	12-9	1558 / 1606	REINHARD - BOLLINGER	4.0	0.88	0.27	2.28	0.24		.5	7	0	FC6
674	12-15	1140 / 145	BOLLINGER	2.7	0.43	0.26	2.23	0.11	FLOATS		5	0	
675	12-19	1502 / 1515	REINHARD - BOLLINGER	9.2	4.23	1.18	2.72	5.0		.6	9	0	FC6
676	12-22	1607 / 1612	BOLLINGER	3.3	0.56	0.34	2.25	0.19		.5	4	0	"
677	12-29	1453 / 1458	"	2.5	0.49	0.31	2.18	0.15	FLOATS		4	0	
678	1-8	2310 / 2325	BOLLINGER - REINHARD	16.5	9.82	1.55	3.12	15.2		.6	9	-.04	FC6
679	1-12	1600 / 1610	BOLLINGER - SPENCER	14.0	8.12	1.64	3.00	13.3		.6	11	-.01	"
680	1-19	0950 / 0956	BOLLINGER	3.1	0.99	0.60	2.37	0.59		.5	4	0	"
681	1-26	1540 / 1547	"	2.5	1.01	0.37	2.26	0.37		.6	3	0	"
682	2-2	1547 / 1552	"	3.1	0.69	0.30	2.27	0.21		.5	4	0	"
683	2-6	1615 / 1622	BOLLINGER - SPENCER	14.0	7.76	1.71	3.06	13.3		.6	7	-.02	"
684	2-9	1417 / 1423	BOLLINGER	4.5	1.35	1.04	2.50	1.4		.5	5	0	"
685	2-16	1437 / 1445	"	4.0	1.09	0.62	2.35	0.68		.6	5	0	"
686	2-23	1510 / 1517	"	3.2	0.78	0.42	2.29	0.33		.6	5	0	"
687	3-9	1436 / 1442	"	3.0	0.63	0.43	2.22	0.27		.5	4	0	"
688	3-16	1215 / 1220	"	3.0	0.55	0.35	2.18	0.19		.5	4	0	"
689	3-22	1645 / 1651	"	2.6	0.52	0.31	2.17	0.16		.5	4	0	"
690	3-29	0856 / 0901	"	3.0	0.64	0.53	2.24	0.34		.5	4	0	"
691	4-6	1453 / 1458	"	2.6	0.42	0.14	2.17	0.06		.5	3	0	"
692	4-13	1504 / 1509	"	2.8	0.52	0.37	2.25	0.20	FLOATS		4	0	
693	4-20	1412 / 1417	"	2.8	0.51	0.59	2.16	0.30		"	4	0	
694	5-11	1015 / 1020	"	0.80	0.10	0.90	2.13	0.09		"	2	0	
695	5-31	1545 / 1551	BLAKELY	3.0	0.47	0.21	2.13	0.10		"	4	0	
696	6-15	0940 / 0943	BOLLINGER	0.70	1.06	0.57	2.13	0.06		"	1	0	
697	7-7	1038 / 1042	"	0.70	0.04	1.00	2.10	0.04		"	1	0	
698	9-14	1555 / 1600	"	0.70	0.06	0.67	2.09	0.04		"	1	0	

DISCHARGE MEASUREMENTS OF TOPANGA CREEK

~~AT~~ ~~NEAR~~ Above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1951

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
699	10-4	1009 / 1013	LANG	0.75	0.11	0.36	2.10	0.04	SURF.		3	0	FC12
700	10-11	1140 / 1142	"	0.7	0.09	0.78	2.12	0.07		.5	3	0	"
701	10-26	1425 / 1428	BOLLINGER-THOMAS	0.7	0.10	1.10	2.10	0.11	FLOATS		3	0	
702	11-15	1514 / 1518	BOLLINGER	1.0	0.16	0.75	2.18	0.12	FLOATS		3	0	
703	1-11	1312 / 1315	BOLLINGER-BROWN	1.4	0.13	1.08	2.21	0.14		.6	2	0	FC6
704	1-18	1407 / 1412	BOLLINGER	4.0	1.84	0.10	2.18	0.18		.5	6	0	"
705	1-25	1640 / 1644	"	0.6	0.16	1.25	2.17	0.20		.5	1	0	"
706	2-1	1348 / 1355	"	2.1	0.86	0.21	2.21	0.18		.5	5	0	"
707	2-15	1450 / 1453	"	0.7	0.10	0.70	2.17	0.07		.5	1	0	"
708	3-1	1500 / 1506	BOLLINGER-THOMAS	3.5	1.46	0.52	2.32	0.76		.5	7	0	"
709	3-8	1540 / 1546	BOLLINGER	1.3	0.17	0.65	2.21	0.11	SURF.		4	0	"
710	3-22	1520 / 1524	"	1.0	0.12	0.58	2.18	0.07	SURF.		3	0	"
711	4-5	1458 / 1504	"	1.0	0.17	0.88	2.20	0.15		0.5	2	0	"
712	4-26	1458 / 1505	"	1.0	0.14	0.43	2.17	0.06		.5	3	0	"
713	5-10	1330 / 1335	"	0.9	0.12	0.58	2.16	0.07		.5	3	0	"
714	5-24	1452 / 1457	"	1.0	0.10	0.30	2.13	0.03		.5	3	0	"
715	6-7	1413 / 1417	"	1.1	0.09	0.56	2.11	0.05	FLOATS		2	0	----
716	6-14	1350 / 1355	"	0.7	0.08	0.38	2.12	0.03	FLOATS		2	0	----
717	6-28	1410 / 1413	"	0.8	0.07	0.57	2.13	0.04	FLOATS		2	0	----
718	7-12	1408 / 1412	"	0.8	0.05	0.40	2.14	0.02	FLOATS		2	0	----
719	8-9	1111 / 1116	THOMAS	1.0	0.05	0.40	2.14	0.02	FLOATS		6	0	----
720	8-30	1600 / 1605	BOLLINGER	1.0	0.05	0.40	2.13	0.02	FLOATS		3	0	

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F54-R

Daily discharge, in second-feet of TOPANGA CREEK above Mouth of Canyon, for the year ending September 30, 19 50

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.03	0.03	0.06	0.1	0.2	0.3	0.2	0.2	0.1	0.04	d 0.02	d 0.05
2	0.03	0.03	0.06	0.1	0.2	0.3	0.2	0.1	0.1	0.04	0.02	0.05
3	0.03	0.03	0.06	0.1	0.2	0.3	0.1	0.1	0.1	0.04	0.02	0.05
4	0.03	0.03	0.06	0.1	0.2	0.3	0.1	0.1	0.1	0.04	0.02	0.05
5	0.03	0.03	0.05	0.1	0.2	0.3	0.1	0.2	0.1	0.04	0.02	0.05
6	0.03	0.03	0.05	0.1	35	0.3	0.1	0.1	0.1	0.04	0.02	0.05
7	0.03	0.03	0.1	0.1	3.5	0.3	0.1	0.1	0.1	0.04	0.02	0.05
8	0.03	0.03	1.0	20	2.0	0.3	0.1	0.1	0.05	0.04	0.01	0.05
9	0.03	0.1	0.4	3.1	1.5	0.3	0.2	0.1	0.05	0.04	0.01	0.05
10	0.03	0.3	0.2	0.6	2.4	0.3	0.3	0.1	0.05	0.04	0.01	0.05
11	0.03	0.07	0.2	13	2.1	0.2	0.2	0.1	0.1	0.04	0.01	0.04
12	0.03	0.04	0.1	8.4	1.3	0.2	0.2	0.1	0.1	0.04	0.02	0.04
13	0.03	0.04	0.1	3.0	1.0	0.2	0.2	0.1	0.1	0.04	0.02	0.04
14	0.03	0.04	0.1	2.6	0.9	0.2	0.2	0.1	0.1	0.04	0.02	0.04
15	0.03	0.04	0.1	2.2	0.8	0.2	0.2	0.1	0.1	0.03	0.02	0.04
16	0.03	0.04	0.1	1.4	0.7	0.2	0.2	0.1	0.1	0.03	0.03	d 0.04
17	0.04	0.04	0.1	1.1	0.7	0.2	0.2	0.1	0.1	0.03	0.03	0.07
18	0.03	0.04	35	0.9	0.6	0.2	0.2	0.1	0.05	0.03	0.03	0.04
19	0.03	0.05	4.2	0.7	0.5	0.2	0.3	0.1	0.05	0.02	0.03	0.04
20	a 0.03	0.05	0.9	0.5	0.5	0.2	0.3	0.1	0.05	0.02	0.03	0.03
21	0.03	0.06	0.3	0.4	0.4	0.2	0.3	0.1	0.04	0.02	0.03	0.03
22	0.03	0.06	0.2	0.4	0.4	0.2	0.2	0.1	0.04	d 0.02	0.04	0.03
23	0.03	0.06	0.2	0.4	0.4	0.2	0.2	0.1	0.04	0.02	0.05	0.03
24	0.03	0.06	0.2	0.4	0.3	0.4	0.2	0.1	0.04	0.02	0.05	0.03
25	0.03	0.06	0.2	0.4	0.3	1.3	0.2	0.1	0.04	0.02	0.05	0.02
26	0.03	0.06	0.1	0.4	0.3	0.8	0.2	0.1	0.04	0.02	0.05	0.03
27	a 0.03	0.06	0.1	0.3	0.3	0.5	0.2	0.1	0.05	0.02	0.05	0.03
28	0.03	0.06	0.1	0.4	0.3	0.4	0.2	0.1	0.05	0.02	0.05	0.04
29	0.03	0.06	0.1	0.8		0.3	0.2	0.1	0.04	0.02	0.05	0.03
30	0.03	0.06	0.1	0.5		0.3	0.2	0.1	0.04	0.02	0.05	0.03
31	0.03		0.1	0.3		0.2		0.1		d 0.02	d 0.05	
	0.94	1.69	44.64	62.9	57.2	9.8	5.8	3.3	2.12	0.94	0.93	1.22
MEAN	0.03	0.06	1.44	2.03	2.04	0.31	0.19	0.11	0.07	0.03	0.03	0.04
ACRE-FEET	1.9	3.4	88.	125.	113.	19.	12.	6.5	4.2	1.9	1.8	2.4

Remarks:

YEAR OR PERIOD MEAN 0.52
ACRE-FEET 379.

76D74M F. C. Dist. 52 9-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

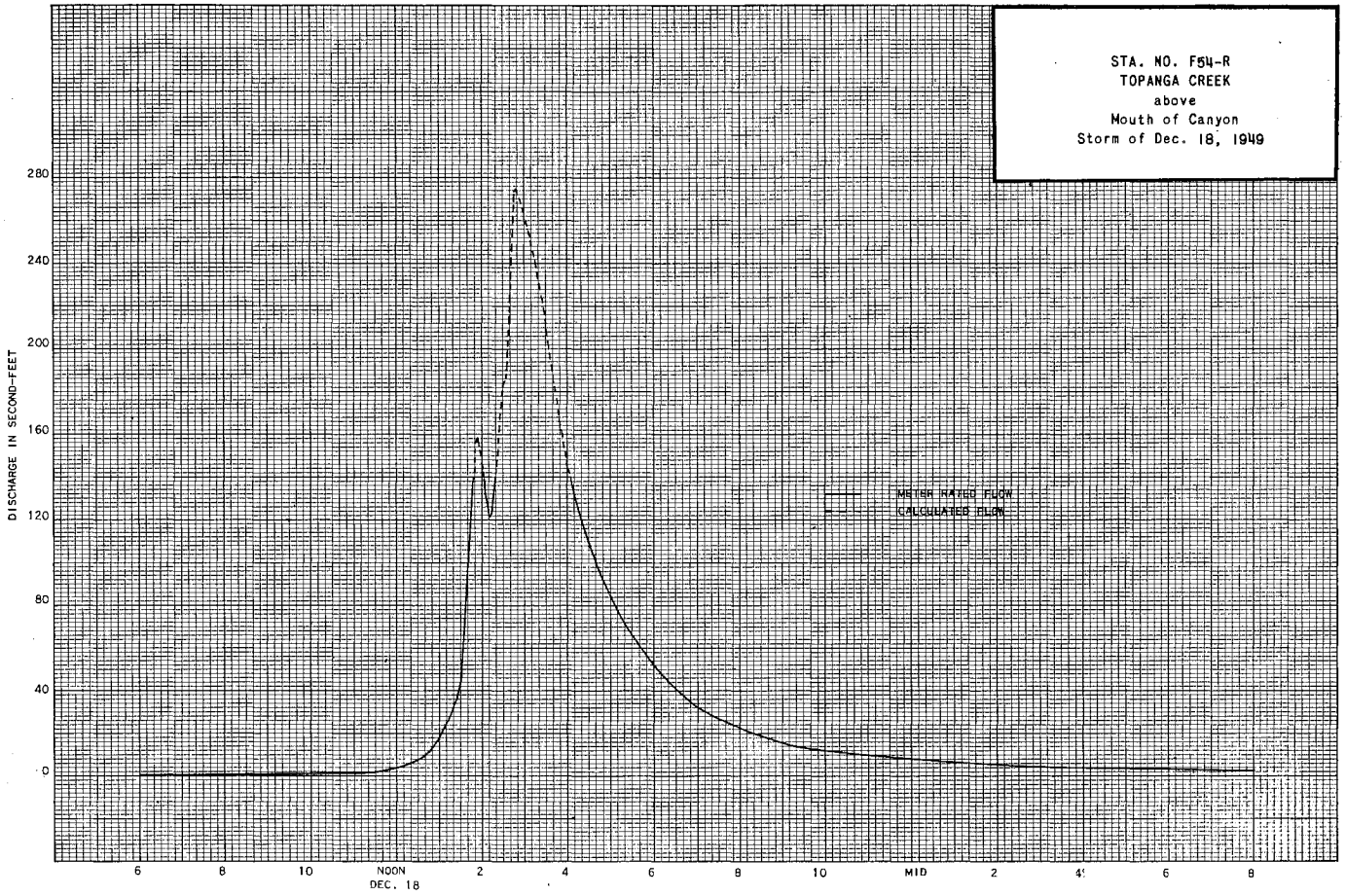
Sta. No. F54-R

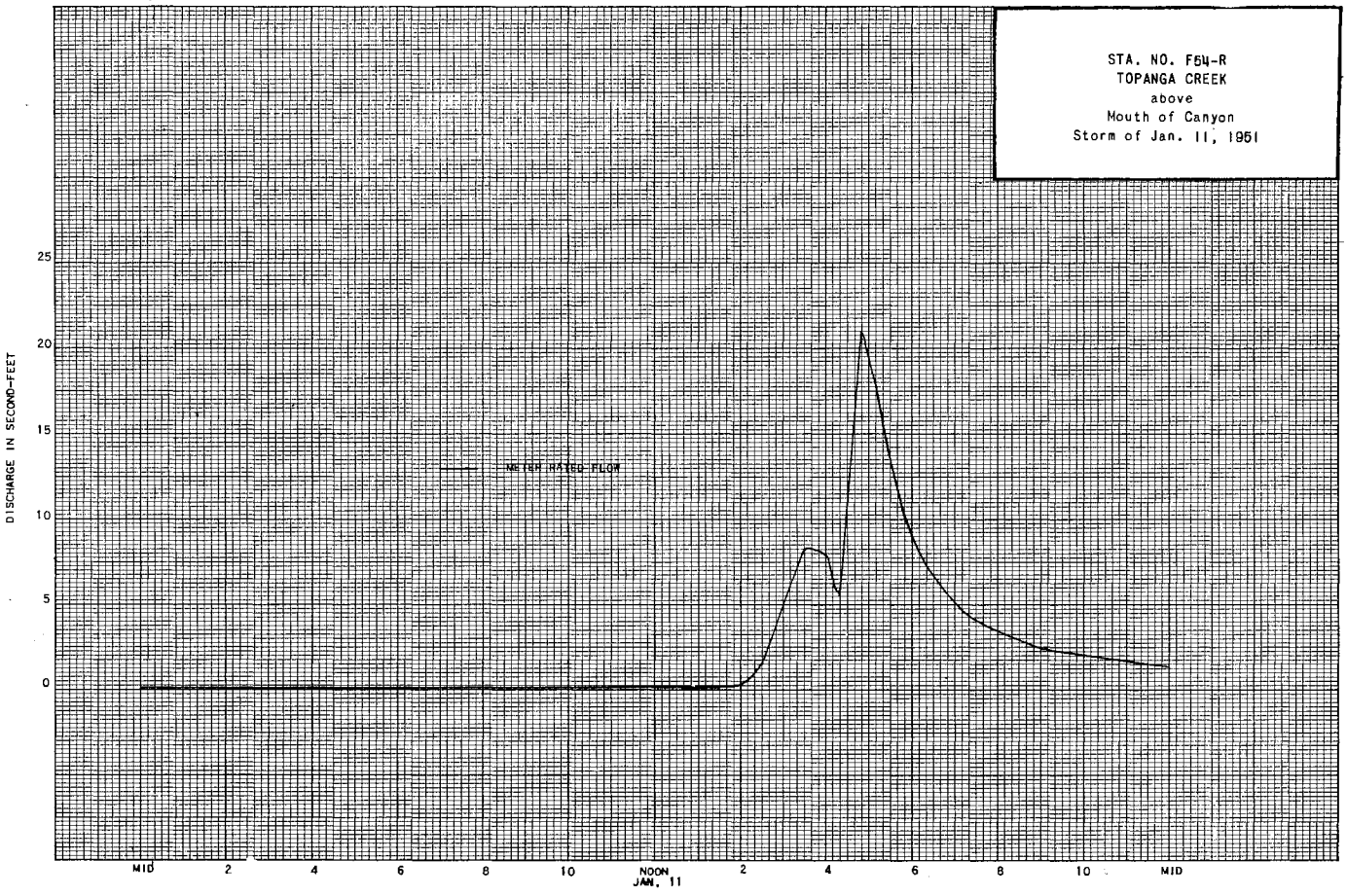
Daily discharge, in second-feet of TOPANGA CREEK above mouth of canyon., for the year ending September 30, 1951

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.06	0.08	0.1	0.07	0.2	0.9	0.1	0.1	0.06	0.04	0.02	0.02
2	0.05	0.07	0.1	0.07	0.2	0.4	0.1	0.1	0.06	0.04	0.02	0.02
3	0.06	0.06	0.1	0.08	0.2	0.2	0.1	0.08	0.05	0.05	0.02	0.02
4	0.04	0.04	0.1	0.1	0.1	0.2	0.2	0.08	0.04	0.04	0.02	0.02
5	0.04	0.04	0.1	0.1	0.1	0.2	0.2	0.08	0.04	0.03	0.01	0.02
6	0.06	0.02	0.07	0.08	0.1	0.2	0.2	0.07	0.05	0.03	0.02	0.02
7	0.06	0.02	0.07	0.08	0.1	0.1	0.1	0.07	0.05	0.02	0.02	0.03
8	0.07	0.04	0.07	0.08	0.1	0.1	0.1	0.07	0.05	0.02	0.02	0.04
9	0.07	0.06	0.07	0.07	0.1	0.1	0.1	0.07	0.04	0.02	0.02	0.02
10	0.07	0.06	0.06	0.2	0.1	0.1	0.1	0.07	0.03	0.03	0.02	0.02
11	0.07	0.04	0.06	2.4	0.1	0.1	0.08	0.07	0.03	0.02	0.02	0.02
12	0.07	0.03	0.06	0.6	0.1	0.08	0.08	0.05	0.04	0.02	0.02	0.02
13	0.07	0.5	0.07	0.2	0.1	0.07	0.08	0.05	0.03	0.02	0.02	0.02
14	0.07	0.2	0.07	0.2	0.1	0.07	0.08	0.05	0.03	0.02	0.02	0.02
15	0.07	0.1	0.07	0.2	0.1	0.07	0.08	0.05	0.04	0.02	0.02	0.02
16	0.07	0.1	0.07	0.2	0.1	0.08	0.06	0.04	0.04	0.03	0.02	0.02
17	0.07	0.1	0.07	0.2	0.1	0.08	0.06	0.04	0.04	0.03	0.02	0.03
18	0.07	0.1	0.07	0.3	0.1	0.08	0.06	0.03	0.05	0.03	0.02	0.02
19	0.07	0.2	0.08	1.1	0.1	0.07	0.06	0.03	0.05	0.02	0.02	0.02
20	0.07	0.1	0.08	0.4	0.1	0.07	0.06	0.03	0.04	0.03	0.02	0.02
21	0.08	0.1	0.08	0.3	0.1	0.07	0.06	0.03	0.04	0.03	0.02	0.01
22	0.08	0.1	0.08	0.3	0.1	0.07	0.05	0.03	0.04	0.03	0.02	0.01
23	0.08	0.1	0.08	0.2	0.4	0.07	0.04	0.03	0.04	0.03	0.02	0.02
24	0.08	0.1	0.08	0.2	0.3	0.07	0.05	0.03	0.05	0.02	0.01	0.01
25	0.1	0.1	0.08	0.2	0.3	0.08	0.1	0.03	0.04	0.02	0.01	0.02
26	0.2	0.1	0.08	0.2	0.3	0.08	0.07	0.04	0.04	0.02	0.01	0.02
27	0.5	0.1	0.08	0.2	0.5	0.08	0.05	0.04	0.04	0.02	0.01	0.02
28	0.2	0.1	0.08	0.1	0.3	0.08	1.2	0.04	0.04	0.02	0.01	0.02
29	0.2	0.1	0.07	1.8		0.08	0.5	0.04	0.05	0.03	0.04	0.03
30	0.1	0.1	0.07	0.5		0.1	0.1	0.05	0.04	0.03	0.03	0.03
31	0.1		0.07	0.2		0.1		0.05		0.03	0.02	
	3.00	2.96	2.39	10.93	4.6	4.15	4.22	1.64	1.28	0.84	0.59	0.63
MEAN	.097	.099	.077	.353	.164	.134	.141	.053	.043	.027	.019	0.02
ACRE-FEET	6.0	6.0	4.7	22.	9.1	8.2	8.4	3.3	2.5	1.67	1.17	1.25

Remarks:

YEAR OR PERIOD MEAN .102
ACRE-FEET 74.


STA. NO. F54-R
TOPANGA CREEK
above
Mouth of Canyon
Storm of Dec. 18, 1949
METER RATED FLOW
CALCULATED FLOW
DISCHARGE IN SECOND-FEET
280
240
200
160
120
80
40
0
6
8
10
NOON
DEC. 18
2
4
6
8
10
MID
2
4
6
8


STA. NO. F54-R
TOPANGA CREEK
above
Mouth of Canyon
Storm of Jan. 11, 1951
METER RATED FLOW
DISCHARGE IN SECOND-FEET
25
20
15
10
5
0
MID
2
4
6
8
10
NOON
JAN. 11
2
4
6
8
10
MID

STATION F284-R

VERDUGO CHANNEL at Del Valle Avenue

LOCATION: WATER-STAGE RECORDER, LAT. 34°11'04", LONG. 118°13'34", ON THE RIGHT (WEST) CHANNEL WALL AT THE NORTH CURB OF DEL VALLE AVENUE IN GLENDALE, ELEVATION OF ZERO GAGE HEIGHT 915.22 FEET.

DRAINAGE AREA: APPROXIMATELY 18.7 SQUARE MILES.

CHANNEL AND CONTROL. CHANNEL - RECTANGULAR CONCRETE 86 FEET WIDE X 11 FEET DEEP TO BOTTOM OF INVERT. INVERT IS 1 FOOT BELOW BOTTOM OF VERTICAL SIDE WALLS. CHANNEL FORMS CONTROL.

DISCHARGE MEASUREMENTS: SOME LOW FLOW MEASUREMENTS MADE IN 1944, 1945 AND 1946. NO FACILITIES FOR HIGH FLOW MEASUREMENTS. UTILIZED PRINCIPALLY AS TIMING STATION.

RECORDER: INSTALLED JANUARY 14, 1938 OVER A RECTANGULAR 38-INCH X 48-INCH CONCRETE STILLING WELL. A STEVENS TYPE L RECORDER WAS IN SERVICE FROM OCTOBER 1, 1949 TO OCTOBER 25, 1950. AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 25, 1950 TO SEPTEMBER 30, 1951.

REGULATION: FLOW PARTIALLY REGULATED BY VERDUGO AND OTHER DEBRIS BASINS.

RECORDS AVAILABLE: RECORDER RECORD FROM JANUARY 14, 1938 TO SEPTEMBER 30, 1951.

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

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 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - RECTANGULAR CONCRETE, 87 FEET WIDE BY 11 FEET DEEP TO BOTTOM OF INVERT. INVERT IS 1 FOOT BELOW BOTTOM OF VERTICAL SIDE WALLS. CHANNEL FORMS CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM CABLE CAR 40 FEET ABOVE STATION.

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, 1949 TO SEPTEMBER 30, 1951.

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, 1951. FOR EARLIER RECORDS, SEE STATIONS F9-R, VERDUGO AT GLEN OAKS BOULEVARD, AND F244-R, VERDUGO AT DON CARLOS STREET.

EXTREMES OF DISCHARGE:

1949-50
MAXIMUM 467 SECOND-FEET, FEBRUARY 6.
MINIMUM NO FLOW PART OF YEAR.

1950-51
MAXIMUM 960 SECOND-FEET, JANUARY 11.
MINIMUM NO FLOW PART OF YEAR.

1935-51
MAXIMUM 4,400 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 Estelle Avenue DURING THE YEAR ENDING SEPTEMBER 30, 19 51

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.
123	3-1	1519 / 1532	LANG	10.3	1.25	6.24	0.21	7.8		SURF. .5	9	-03	FC12

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F252R

Daily discharge, in second-feet of VERDUGO CHANNEL at Estelle Avenue, for the year ending September 30, 1950

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	0	0.1	+	+	+	+	+	0.1		0	0
2	+	+	0.1	0	+	+	+	+	0.1	+	+	0
3	+	0	0.1	+	0.1	+	0	0.1	0	0	+	+
4	+	+	0.1	0	+	+	+	+	0	+	0.1	0
5	0.1	+	0.1	+	0.8	+	+	+	0.1	+	0.1	0
6	+	+	0	0	4.8	+	+	0	0.2	+	0.1	0
7	+	+	1.7	+	0.2	+	0.1	0	0.1	0.1	0.1	0
8	+	+	9.3	2.5	0.1	+	10.0	+	0.1	0.1	0.1	0
9	+	10.2	0.4	0.7	+	0.1	2.8	0	0.1	+	0.1	0
10	0	4.6	+	0.1	5.3	+	+	+	+	+	+	0
11	+	0.1	+	19.6	0.5	+	+	0	+	0.1	0.1	0
12	0	0.3	0	4.0	+	+	0	0.1	0	0.1	0.1	0
13	+	+	+	b 0.1	0.1	+	+	+	0.1	0.1	+	0
14	+	0.1	+	0.7	+	+	+	+	0.1	0.1	0	0
15	+	+	0.4	b 0.1	+	+	0	0	+	+	0	0
16	0	+	0.2	+	0.4	+	+	+	+	+	0	0
17	+	+	+	+	0.1	+	+	0.1	+	+	0	7.3
18	0	+	6.9	+	0.1	+	+	0.1	+	+	+	+
19	0	+	3.2	+	+	+	+	+	+	+	0	+
20	+	+	0.6	0	0.1	+	0	0	0.1	+	0	0
21	0	0.1	+	0	0.1	0	+	0	0.1	+	+	+
22	+	0.1	0	0		0.5	0.1	0.1	0.1	+	+	+
23	+	+	+	+	0.1	0.4	+	0.1	0.1	+	0	0
24	+	+	+	+	+	3.9	+	+	0.1		+	0
25	+	+	+	0	+	2.5	+	+	+	0.1	+	0
26	+	+	0	+	+	+	0.1	0	0	0.1	+	+
27	+	+	+	+	+	+	+	0	+	+	0	0
28	+	0.1	+	3.3	+	+	+	0	+	0	0	+
29	0	0.1	+	3.3		+	+	+	+	0	0	+
30	+	0.1	+	0.1		+	+	0	0.1	0	0	0
31	+		+	0.1		0.1		0.1		0	0	
	0.1	57.2	85.3	57.1	56.0	42.6	13.1	0.8	1.6	0.8	0.8	7.3
MEAN	.003	1.91	2.75	1.84	2.00	1.37	0.44	0.026	0.053	0.026	0.026	0.24
ACRE-FEET	0.2	113.	169.	113.	111.	84.	26.	1.6	3.2	1.6	1.6	14.

Remarks: + = 0.05 c.f.s. or less

YEAR OR PERIOD MEAN 0.88
ACRE-FEET 638.

76D14M F. C. Dist. 52 9-36

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

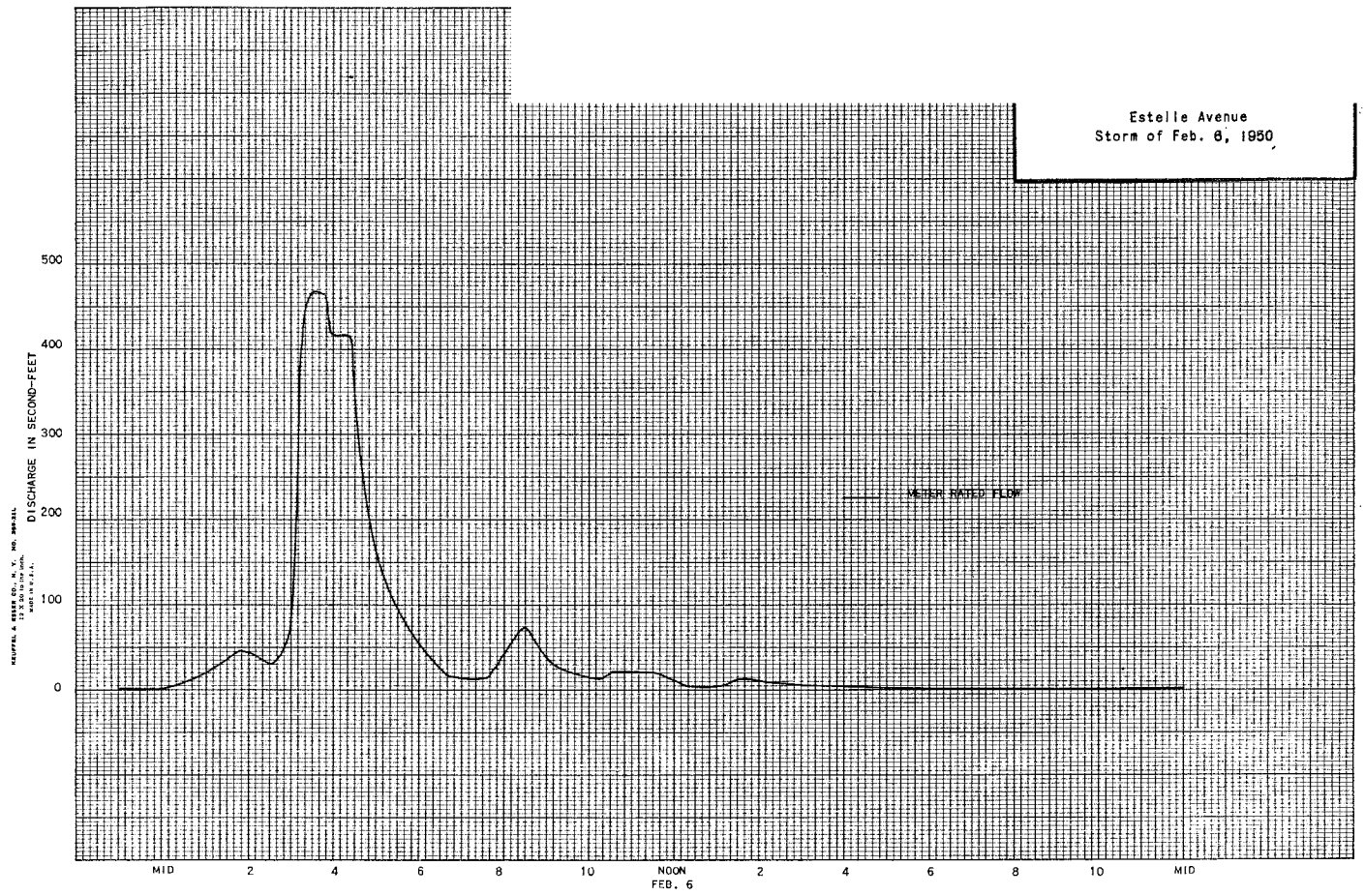
Sta. No. F252-R

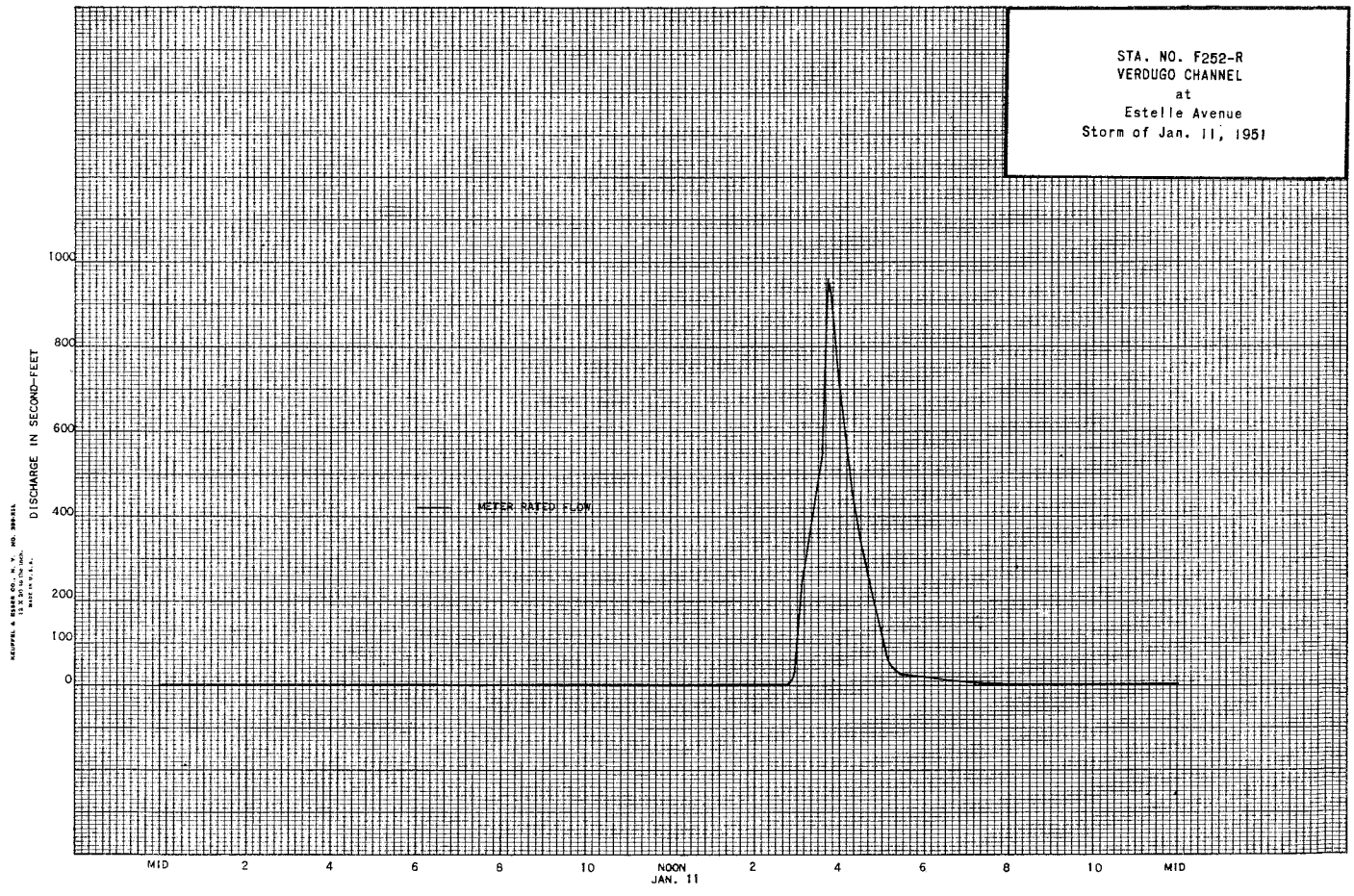
Daily discharge, in second-feet of VERDUGO CHANNEL at Estelle Avenue, for the year ending September 30, 1951

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	+	+	0	+	6.2	0.1	+	0	+	+	0.1
2				+	+	0.1	0.1		0	0	0.1	+
3				+	0	+	1.1		0	0	+	+
4				0.3	0	0	2.4		0	0	+	+
5				0.1	+	+	0.1		0	+	0	+
6				+		+	+		0	0	+	0.1
7				+		+			0	+	0.1	+
8				+		+		+	0	+	+	+
9				+	+	0.1		0.1	0	0	+	+
10				12.6	0	0.1		0.1	0	+	+	0.6
11				4.1	+	+		0.1	0	0	0	+
12		+		0.2	0.4			+	0	+	0	+
13		6.2		0.1	+			0.1	0		+	0
14		0.8		0.1	+			1.2	0		0.1	+
15	+	+		0.1	+	+	+	0.1	0		0	+
16	0	+	+	3.4	+	0.1	0.1	0.1	0		+	0
17	+	+	0	0.1	0		+	+	0		0.1	0
18		3.3	0	1.1	0	+	+	+	0		+	0
19		6.1	+	5.1	0	+	+	+	0		+	+
20		0.2	+	0.1	0	+	0.1	+	0	+	+	0
21		0.1	+	+	0	0.1	+	0	0	0	0.1	+
22	+	+	+		3.2	0.1	+	+	0	+	+	0
23	0		0		6.6	0.1	+		0		0	0
24	+		0		0.7	0.1	+		0		+	0
25	+		0	+	+	+	15.7		0		0.1	0
26	0.6		0	0.1	11.2	+	0.1		0	+	+	+
27	1.5		+	+	2.2	0.1	0.1		0	0.1	0	0
28	+		+	+	0.1	0.1	26	+	0	+	0.2	+
29	+		0	26	+	0.1	0.2	0	+	+	2.2	0
30	+	+	0	0.1		0.1	+	0	+	+	0.1	+
31	+		0	+		0.1		0		0.1	+	
	2.1	16.7		90.5	24.4	7.5	46.1	1.8		0.2	3.1	0.8
MEAN	0.07	0.56	+	2.92	0.87	0.24	1.54	0.06	+	+	0.10	.026
ACRE-FEET	4.2	33.	+	180.	48.	15.	91.	3.6	+	0.4	6.1	1.6

Remarks: + = 0.05 c.f.s. or less.

YEAR OR PERIOD MEAN 0.51
ACRE-FEET 383.


Estelle Avenue
Storm of Feb. 6, 1950
DISCHARGE IN SECOND-FEET
500
400
300
200
100
0
METER RATED FLOW
MID
2
4
6
8
10
NOON
FEB. 6
2
4
6
8
10
MID


STA. NO. F252-R
VERDUGO CHANNEL
at
Estelle Avenue
Storm of Jan. 11, 1951
DISCHARGE IN SECOND-FEET
1000
800
600
400
200
100
0
METER RATED FLOW
MID
2
4
6
8
10
NOON
JAN. 11
2
4
6
8
10
MID

STATION F47-R

WALNUT CREEK at Covina Boulevard

LOCATION: WATER-STAGE RECORDER, LAT. 34°03'58", LONG. 117°59'00", ON THE DOWNSTREAM SIDE OF COVINA BOULEVARD BRIDGE, ABOUT 2 MILES SOUTHWEST OF BALDWIN PARK. ELEVATION OF ZERO GAGE HEIGHT, 309.18 FEET. THIS STATION IS NEAR THE LOCATION OF THE STATION OPERATED FROM 1923 TO 1928 BY THE STATE DIVISION OF WATER RIGHTS.

DRAINAGE AREA: 102 SQUARE MILES.

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

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

RECORDER: INSTALLED DECEMBER 15, 1928 OVER AN 18-INCH DIAMETER CORRUGATED IRON PIPE STILLING WELL. AN H.C.F. RECORDER WAS IN SERVICE FROM OCTOBER 1, 1949 TO SEPTEMBER 30, 1951.

REGULATION: FLOW PARTIALLY REGULATED BY BIG DALTON DAM, SAN DIMAS DAM, PUDDINGSTONE DIVERSION DAM, PUDDINGSTONE DAM, AND LIVE OAK DAM. IRRIGATION COMPANIES AT TIMES SPREAD SAN GABRIEL RIVER WATER FROM THE COVINA AND AZUSA CANALS IN LITTLE DALTON WASH, AND BIG DALTON WASH, SAN DIMAS WASH AND WALNUT CREEK.

DIVERSIONS: SOME WATER DIVERTED FOR IRRIGATION.

RECORDS AVAILABLE: DECEMBER 15, 1928 TO SEPTEMBER 30, 1951. (FOR RECORDS PRIOR TO DECEMBER 15, 1928, SEE STATE DIVISION OF WATER RIGHTS BULLETINS).

EXTREMES OF DISCHARGE:

1949-50
MAXIMUM 448 SECOND-FEET, FEBRUARY 6.
MINIMUM NO FLOW MOST OF YEAR.

1950-51
MAXIMUM 115 SECOND-FEET, JANUARY 11.
MINIMUM NO FLOW MOST OF YEAR.

1928-51
MAXIMUM 8,060 SECOND-FEET, JANUARY 1, 1934.
MINIMUM NO FLOW MOST OF EACH YEAR.

ACCURACY: GOOD FOR LOW AND INTERMEDIATE FLOWS.

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

DISCHARGE MEASUREMENTS OF WALNUT CREEK

AT ~~NEAR~~ Covina Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 19 50

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
252	11-10	1110 / 1120	STUNDEN	11.0	4.70	1.32	2.97	6.2		.5 / .6	6	-.05	FC36
253	12-18	2247 / 2309	"	80.0	69.5	3.41	3.43	237.		.6	8	-.06	"
254	2-6	0825 / 0940	"	75.0	81.0	3.90	3.71	316.		.6	8	+.03	"
255	2-6	1638 / 1648	"	19.0	9.46	2.20	3.05	20.8		.5 / .6	7	-.01	"
256	2-24	1337 / 1344	WADDICOR - KASIMOFF	13.5	6.78	2.06	2.88	14.0		.6	8	0	FC37
257	2-24	1535 / 1543	STUNDEN	8.5	5.32	2.18	2.93	11.6		.5 / .6	6	0	FC36
258	3-25	0010 / 0020	STUNDEN - DAL CORSO	22.0	11.0	2.12	2.99	23.3		.5 / .6	8	0	"

DISCHARGE MEASUREMENTS OF WALNUT CREEK

AT ~~NEAR~~ Covina Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 19 51

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
258	1-11	1751 / 1811	STUNDEN	25.0	23.9	4.81	3.39	115.0	FLOATS		7	0	
259	1-19	0837 / 0844	"	13.0	5.68	1.48	2.88	8.4		.5 / .6	8	-.01	FC36
260	1-29	1348 / 1403	"	26.0	20.1	3.16	3.10	63.5		.6	10	0	"
261	4-28	2335 / 2350	"	11.5	3.64	1.37	2.63-	5.0		.5 / .6	9	0	"

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F47R

Daily discharge, in second-feet of WALNUT CREEK at Covina Boulevard, for the year ending September 30, 1950

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	96	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	6.3	0	0	0	0	0	0	0	0
9	0	0	0	+	0	0	0	0	0	0	0	0
10	0	0.4	0	0	0	0	0	0	0	0	0	0
11	0	0	0	10	0	0	0	0	0	0	0	0
12	0	0	0	0.5	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	25	0	0	0	0	0	0	0	0	0
19	0	0	18	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	9.3	4.0	0	0	0	0	0	0
25	0	0	0	0	0	2.3	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	0.4	43.0	16.8	105.3	6.3	0	0	0	0	0	0
MEAN	0	.013	1.39	0.54	3.76	.203						
ACRE-FEET	0	.8	85.	33.	209.	12.	0	0	0	0	0	0

Remarks: + = 0.05 c.f.s. or less.

YEAR OR PERIOD MEAN 0.47
ACRE-FEET 340.

76D74M F. C. Dist. 52 9-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

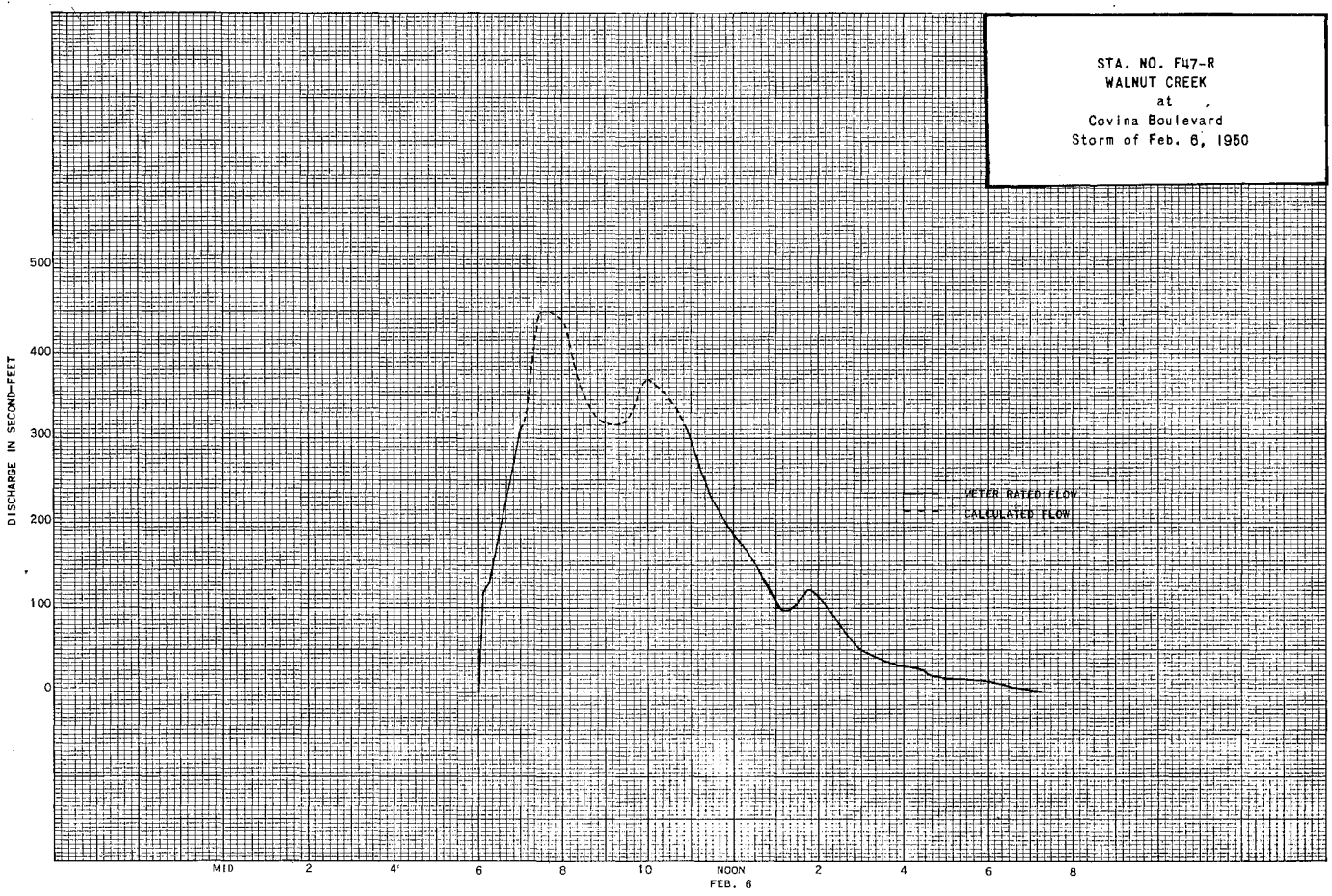
Sta. No. F47R

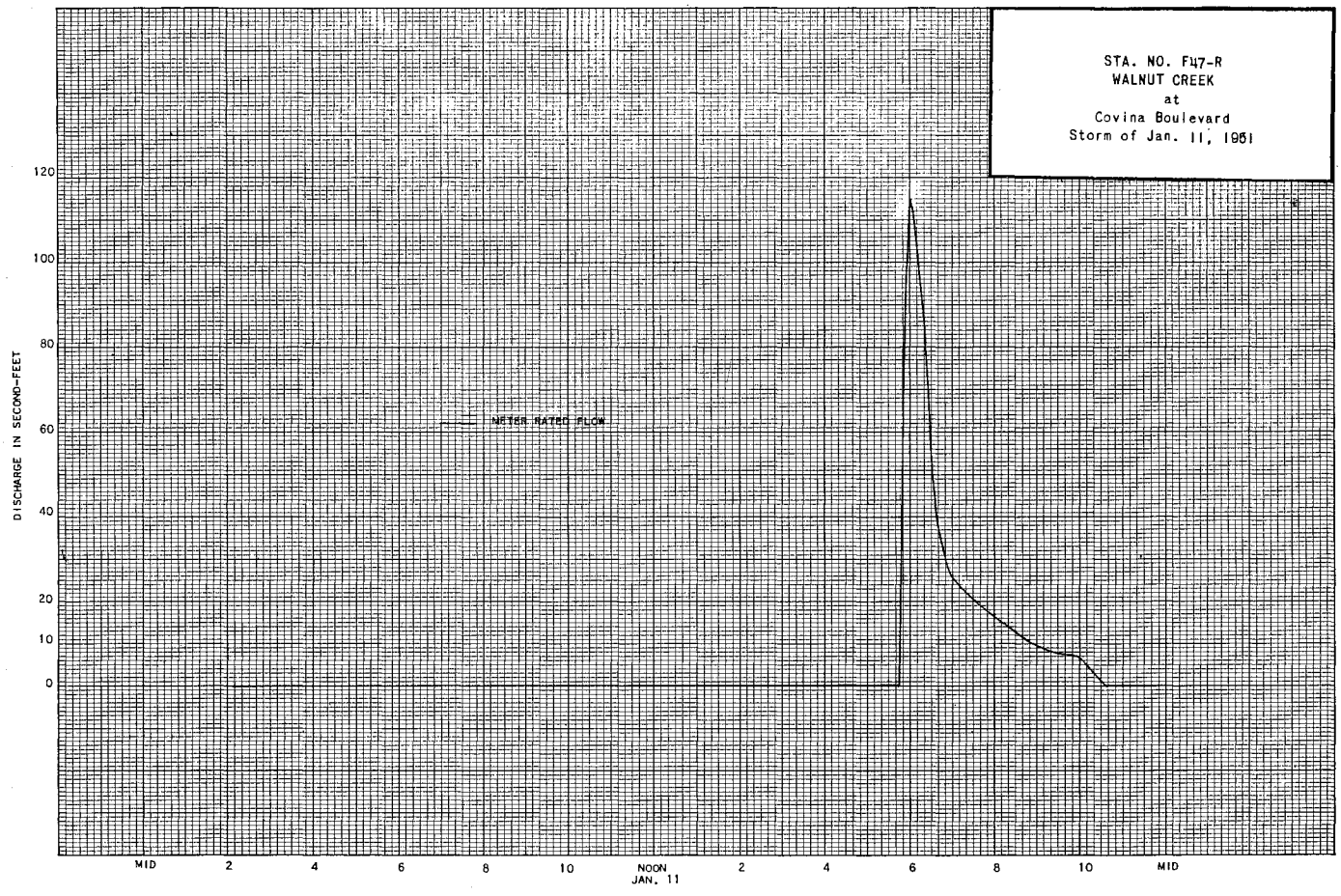
Daily discharge, in second-feet of WALNUT CREEK AT COVINA BOULEVARD, for the year ending September 30, 1951

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	5.9	0	0	0	0	Stopped for summer.			
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	2.7	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				0
28	0	0	0	0	0	0	0.6	0				0
29	0	0	0	8.5		0	4.5	0				0
30	0	0	0	0		0	0	0				0
31	0		0	0		0		0				
	0	0	0	17.1	0	0	5.1	0				0
MEAN	0	0	0	055	0	0	0.17	0	0	0	0	0
ACRE-FEET	0	0	0	34.	0	0	10.	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 0.06
ACRE-FEET 44.


STA. NO. F47-R
WALNUT CREEK
at
Covina Boulevard
Storm of Feb. 6, 1950
DISCHARGE IN SECOND-FEET
500
400
300
200
100
0
METER RATED FLOW
CALCULATED FLOW
MID
2
4
6
8
10
NOON
2
4
6
8
FEB. 6


STA. NO. F47-R
WALNUT CREEK
at
Covina Boulevard
Storm of Jan. 11, 1951
DISCHARGE IN SECOND-FEET
120
100
80
60
40
20
10
0
METER RATED FLOW
MID
2
4
6
8
10
NOON
2
4
6
8
10
MID
JAN. 11

STAFF GAGING STATIONS

DISCHARGE MEASUREMENTS OF ARCADIA WASH F288-S

AT NEAR Duarte Road DURING THE YEAR ENDING SEPTEMBER 30, 1950

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
6	11-10	0810 / 0820	MOON - GUTIERREZ	27.5	30.6	2.97		91.0		.6	8		FC22

DISCHARGE MEASUREMENTS OF ARCADIA WASH F288-S

AT NEAR Duarte Road DURING THE YEAR ENDING SEPTEMBER 30, 1951

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
7	11-19	0816 / 0825	MOON - MURPHY	16.0	9.70	2.10		20.4		.6	7		FC22

DISCHARGE MEASUREMENTS OF ARROYO DITCH FJ16-S

AT NEAR Below Headgate DURING THE YEAR ENDING SEPTEMBER 30, 1950

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
680	10-6	1150	WADDICOR					0					
681	10-13	1130	"					0					
682	10-20	1205	"					0					
683	10-27	1135	"					0					
684	11-3	1140	"					0					
685	11-17	1140	"					0					
686	11-23	1140	"					0					
687	12-1	1145	"					0					
688	12-15	1145	"					0					
689	12-22	1120	"					0					
690	12-29	1120	"					0					
691	1-5	1140	"					0					
692	1-19	1140	"					0					
693	1-26	1130	"					0					
694	2-2	1202	"					0					
695	2-9	1140	"					0					
696	2-16	1150	"					0					
697	2-23	1150	"					0					
698	3-2	1300	"					0					
699	3-9	1140	"					0					
700	3-16	1120	"					0					
701	3-23	1130	"					0					
702	3-30	1230	"					0					
703	4-6	1310	"					0					
704	4-13	1145 / 1152	"	3.64	2.12	1.04		2.2		.6	4		FC37
705	4-20	1032 / 1038	"	4.00	3.50	0.71		2.5		.5	5		"
706	4-27	1035 / 1045	"	4.10	3.90	0.92		3.6		.6	5		"
707	5-4	1140 / 1150	"	3.84	2.88	1.25		3.6		.6	5		"
708	5-11	1330 / 1340	"	4.00	3.50	0.92		3.2		.6	5		"
709	5-17	1320 / 1328	BONADIMAN	3.94	3.26	0.83		2.7		.6	5		FC46
710	5-24	1340 / 1348	"	3.64	2.12	0.85		1.8		.6	5		"
711	5-31	1230 / 1238	"	3.60	2.08	0.53		1.1		.6	5		"
712	6-7	1326 / 1334	"	3.90	3.10	0.61		1.9		.6	5		"
713	6-14	1300 / 1308	"	3.90	3.26	0.68		2.2		.6	5		"
714	6-21	1330 / 1338	"	3.90	3.30	0.61		2.0		.6	5		"
715	6-28	1310 / 1318	"	4.00	3.50	0.43		1.5		.6	5		"
716	7-5	1318 / 1326	"	3.87	2.99	0.27		0.82		.6	5		"
717	7-12	1330 / 1340	"	3.60	1.84	0.40		0.80		.6	5		"
718	7-19	1310	"					0					

DISCHARGE MEASUREMENTS OF ARROYO SECO F58-S

AT NEAR Avenue 26 DURING THE YEAR ENDING SEPTEMBER 30, 1950

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
198	10-6	1347 / 1353	BLAKELY	7.0	0.62	2.18		1.4		FLOATS	5		
199	10-20	1309 / 1314	REINHARD - BLAKELY	7.4	0.60	1.33		0.80		"	6		
200	11-3	1355 / 1401	BLAKELY	7.0	0.61	1.56		0.95		"	5		
201	12-15	1347 / 1353	"	6.7	0.59	1.87		1.1		"	3		
202	12-29	1335 / 1341	"	6.5	0.60	2.33		1.4		"	7		
203	1-26	1300 / 1304	"	9.0	1.35	0.74		1.0		.5	5		FC35
204	2-16	1428 / 1434	"	8.5	0.82	2.20		1.8		FLOATS	5		
205	3-2	1418 / 1426	"	7.0	0.62	2.42		1.5		"	7		
206	3-16	1516 / 1522	"	7.0	0.58	1.90		1.1		"	6		
207	3-30	1614 / 1620	"	6.5	0.60	2.50		1.5		"	6		
208	4-13	1525 / 1531	"	6.0	0.50	2.00		1.0		"	6		
209	5-11	1302 / 1310	"	7.0	0.68	1.91		1.3		"	5		
210	5-25	1445 / 1455	"	7.0	0.64	2.03		1.3		"	5		
211	6-8	1436 / 1444	"	7.0	0.62	1.78		1.1		"	5		
212	6-22	1539 / 1545	TURNER	8.0	0.76	0.55		0.42		.5	5		FC43
213	7-6	1428 / 1434	BLAKELY	7.0	0.62	1.93		1.2		FLOATS	6		
214	7-20	1427 / 1430	TURNER	4.0	0.36	0.89		0.32		.5	3		FC43
215	8-3	0856 / 0905	LANG / TURNER	6.8	0.89	0.56		0.50		.5	7		FC12
216	8-10	1405 / 1412	LANG	5.6	0.63	0.65		0.41		SURF.	6		"
217	8-17	1346 / 1355	"	6.3	0.69	0.64		0.44		.5	7		"
218	8-24	1420 / 1429	"	6.5	0.82	0.37		0.30		SURF.	6		"
219	9-7	1300 / 1310	"	7.8	0.77	0.66		0.51		"	7		"
220	9-14	1520 / 1530	"	5.4	0.70	0.54		0.38		"	6		"
221	9-21	1445 / 1452	"	6.2	0.50	0.80		0.40		"	6		"

DISCHARGE MEASUREMENTS OF ARROYO SECO

AT NEAR Avenue 26 DURING THE YEAR ENDING SEPTEMBER 30, 1951

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
222	10-5	1534 / 1540	THOMAS - LANG	7.4	0.52	0.77		0.40		SURF.	8		FC12
223	10-19	1440 / 1450	LANG	6.6	0.54	1.37		0.74		FLOATS	7		
224	11-9	1405 / 1415	"	7.7	0.60	1.03		0.62		"	5		
225	11-22	1412 / 1418	"	7.0	0.40	1.28		0.51		"	6		
226	12-21	1530 / 1535	"	7.0	0.47	1.11		0.52		"	6		
227	1-25	1527 / 1535	"	5.2	0.49	0.98		0.48		SURF.	7		FC12
228	2-15	1525 / 1536	"	6.5	0.56	0.95		0.53		"	7		"
229	3-8	1625 / 1631	"	6.0	0.41	1.95		0.80		FLOATS	7		
230	3-29	1511 / 1524	"	5.0	0.59	0.59		0.35		SURF.	8		FC12
231	5-9	1415 / 1425	"	7.7	0.60	1.35		0.81		FLOATS	8		
232	6-14	1421 / 1430	"	7.1	0.54	1.54		0.83		"	8		
233	6-28	1510 / 1515	BLAKELY	8.0	0.68	1.77		1.2		"	5		
234	7-12	1545 / 1551	"	8.0	0.63	1.33		0.84		"	5		
235	8-9	1326 / 1330	"	8.0	0.58	1.45		0.84		"	6		
236	8-23	1015 / 1025	THOMAS	9.7	1.46	2.74		4.0		"	7		
237	9-6	1512 / 1522	BLAKELY	8.5	0.64	1.47		0.94		"	6		
238	9-20	1425 / 1435	THOMAS	8.7	0.54	1.06		0.57		"	7		

DISCHARGE MEASUREMENTS OF BANTA DITCH F87-S

AT Head of Pipeline DURING THE YEAR ENDING SEPTEMBER 30, 19 50

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
655	10-6	1332 / 1340	WADDICOR - LINDSAY	4.5	2.30	1.17		2.7		.6	5		FC37
656	10-13	1100 / 1110	WADDICOR	4.5	1.80	1.00		1.8		.6	5		"
657	10-20	1100 / 1110	"	4.5	1.89	1.06		2.0		.5	5		"
658	10-27	1100 / 1109	"	4.5	2.56	1.01		2.6		.6	5		"
659	11-3	1115 / 1123	"	4.5	1.91	0.94		1.8		.6	5		"
660	11-23	1120 / 1128	"	4.5	3.30	1.82		6.0		.6	5		"
661	12-1	1050 / 1058	"	4.5	3.00	1.53		4.6		.6	5		"
662	12-15	1255	"					0					
663	12-22	1135	"					0					
664	12-29	1100	"					0					
665	1-5	1120	"					0					
666	1-19	1120	"					0					
667	1-26	1110	"					0					
668	2-2	1150	"					0					
669	2-9	1125	"					0					
670	2-16	1120	"					0					
671	2-23	1135	"					0					
672	3-2	1135	"					0					
673	3-9	1115	"					0					
674	3-16	1055	"					0					
675	3-23	1115	"					0					
676	3-30	1115 / 1125	"	4.5	5.40	2.82		15.2		.6	5		FC37
677	4-6	1035	"					0					
678	4-13	1110 / 1120	"	4.5	3.88	1.80		7.0		.6	5		FC37
679	4-20	1025	"					0					
680	4-27	1025	"					0					
681	5-4	1122	"					0					
682	5-11	1202	"					0					
683	5-17	1240 / 1248	BONADIMAN	4.5	3.79	2.21		8.4		.6	4		FC46
684	5-24	1310 / 1320	"	4.5	3.60	2.16		7.8		.6	5		"
685	5-31	1130 / 1138	"	4.5	3.37	2.02		6.8		.6	5		"
686	6-7	1250 / 1305	"	4.5	3.51	2.16		7.6		.6	5		"
687	6-14	1220 / 1228	"	4.5	3.24	1.93		6.2		.6	5		"
688	6-21	1230	"					0					
689	6-28	1250 / 1300	"	4.5	2.43	1.44		3.5		.6	5		FC46
690	7-5	1242 / 1252	"	4.5	2.52	1.59		4.0		.6	5		"
691	7-12	1250 / 1300	"	4.5	3.15	1.84		5.8		.6	5		"
692	7-19	1230 / 1240	"	4.5	3.06	1.92		5.9		.6	5		"
693	7-26	1222 / 1230	"	4.5	3.33	1.92		6.4		.6	5		"
694	8-2	1240 / 1248	"	4.5	2.79	1.65		4.6		.6	5		"
695	8-9	1230 / 1238	"	4.5	2.70	1.63		4.4		.6	5		FC19
696	8-16	1423 / 1432	"	4.5	2.52	1.35		3.4		.6	5		FC46
697	8-23	1250 / 1258	"	4.5	2.70	1.85		5.0		.6	5		FC19
698	8-30	1250 / 1258	"	4.5	3.42	1.99		6.8		.6	5		"
699	9-6	1110 / 1118	WADDICOR	4.5	3.42	2.08		7.1		.6	5		FC37
700	9-13	1110 / 1120	"	4.5	3.69	1.87		6.9		.6	5		"
701	9-20	1102 / 1112	"	4.5	3.24	1.82		5.9		.6	5		"
702	9-27	1325 / 1334	BONADIMAN	4.5	1.98	1.41		2.8		.6	5		FC19

DISCHARGE MEASUREMENTS OF BANTA DITCH F87-S

AT Head of Pipeline DURING THE YEAR ENDING SEPTEMBER 30, 19 51

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
703	10-4	1340 / 1350	BONADIMAN	4.5	2.25	1.51		3.4		.6	7		FC19
704	10-11	1310 / 1319	THOMAS - BONADIMAN	4.5	2.34	1.15		2.7		.6	7		"
705	10-18	1324 / 1334	BONADIMAN	4.5	1.98	1.21		2.4		.6	7		FC46
706	10-25	1250 / 1300	"	4.5	2.16	1.39		3.0		.6	7		"
707	11-2	1115 / 1127	WADDICOR	4.5	3.06	1.67		5.1		.6	6		FC37
708	11-9	1130 / 1140	"	4.5	2.61	1.49		3.9		.6	7		"
709	11-16	1120	"					0					
710	11-24	1212	"					0					
711	11-30	1118	"					0					
712	12-7	1100	"					0					
713	12-14	1130	"					0					
714	12-21	1045	"					0					
715	12-28	1310	"					0					
716	1-4	1600	"					0					
717	1-18	1600	"					0					
718	1-25	1122	"					0					
719	2-1	1345	"					0					
720	2-8	1130 / 1140	"	TWO CHANNELS				3.9		.6	11		FC37
721	2-15	1313 / 1340	HOLLERAN - WADDICOR	"	"			5.2		.6	13		"
722	2-21	1050 / 1105	WADDICOR	"	"			4.2		.6	11		"
723	3-8	1130 / 1148	"	"	"			3.4		.6	11		"
724	3-15	1045 / 1058	"	"	"			3.9		.6	11		"
725	3-22	1040 / 1050	"	4.5	3.15	1.62		5.1		.6	6		"
726	3-28	1202 / 1212	"	4.5	2.54	1.22		3.1		.6	6		"
727	4-5	1130 / 1140	"	4.5	2.42	1.36		3.3		.6	6		"
728	4-11	1125 / 1135	"	4.5	2.45	1.35		3.3		.6	6		"
729	4-19	1045 / 1052	"	TWO CHANNELS				6.1		.6	10		"
730	4-26	1130 / 1142	"	"	"			5.4		.6	11		"
731	5-3	1055 / 1102	WADDICOR - BOBIK	4.5	3.63	2.34		8.5		.6	6		"
732	5-10	1120 / 1130	WADDICOR	4.5	2.50	2.08		5.2		.6	6		"
733	5-17	1010 / 1017	"	4.5	2.47	1.54		3.8		.6	6		"
734	5-24	1102 / 1112	"	4.5	2.47	1.26		3.1		.6	6		"
735	5-31	1300 / 1310	"	4.5	2.46	1.18		2.9		.6	6		"
736	6-7	1205 / 1213	"	4.5	2.38	1.01		2.4		.6	6		"
737	6-14	1120 / 1130	"	4.5	2.93	1.98		5.8		.6	6		"
738	6-21	1140 / 1150	"	4.5	2.26	1.85		4.2		.6	6		"
739	6-28	1253 / 1301	WADDICOR BRUINGTON - MILLS	4.5	2.40	1.75		4.2		.6	6		"
740	7-5	1105 / 1115	WADDICOR	4.5	2.34	1.24		2.9		.6	6		"
741	7-12	1110 / 1120	"	4.5	2.39	0.96		2.3		.6	6		"
742	7-18	1130 / 1136	BONADIMAN	4.5	1.80	1.50		2.7		.6	6		FC46
743	7-25	1200 / 1208	"	4.5	2.07	1.50		3.1		.6	6		"
744	8-2	1102 / 1109	WADDICOR	4.5	2.27	1.06		2.4		.6	6		FC37
745	8-9	1102 / 1112	"	4.5	2.28	1.05		2.4		.6	6		"
746	8-16	1110 / 1120	"	4.5	2.27	0.97		2.2		.6	6		"
747	8-23	1100 / 1110	"	4.5	2.34	0.90		2.1		.6	6		"
748	8-30	1150 / 1158	"	4.5	2.30	0.87		2.0		.6	6		"
749	9-5	1120 / 1128	"	4.5	2.33	0.94		2.2		.6	6		"
750	9-12	1110 / 1118	R.A. WADDICOR R.E. WADDICOR	4.5	1.65	0.91		1.5		.6	6		"
751	9-20	1120 / 1130	WADDICOR	4.5	1.64	0.85		1.4		.5	6		"
752	9-27	1105 / 1110	"	4.5	1.63	0.86		1.4		.5	6		"

DISCHARGE MEASUREMENTS OF BIG DALTON CREEK

Above Sierra Madre Avenue DURING THE YEAR ENDING

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION 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	1-22	1200 / 1215	STUNDEN	THREE CHANNELS				7.3		.5	14		FC36

DISCHARGE MEASUREMENTS OF BIG ROCK CREEK F171-S

AT NEAR Pearblossom Highway, below Valyermo Diversion DURING THE YEAR ENDING SEPTEMBER 30, 19 50

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION 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	12-28	1430 / 1440	LUCE	TWO CHANNELS				1.2		.6	9		FC39
31	1-10	1610 / 1625	"	"	"			4.2		.6	10		"
32	1-25	1245 / 1250	"	7.5	3.33	1.41		4.7		.6	7		"
33	2-15	1455 / 1500	"	10.5	5.32	1.52		8.1		.6	6		"
34	3-1	0930 / 0940	"	10.5	4.38	1.14		5.0		.6	6		"
35	3-15	1445 / 1450	LUCE - LINDSAY	2.4	0.65	1.15		0.75		.6	5		"
36	4-12	1440 / 1445	LUCE	TWO CHANNELS				1.1		.6	6		"
37	4-20	1620 / 1625	"	4.0	0.99	1.72		1.7		.6	6		"

DISCHARGE MEASUREMENTS OF BIG ROCK CREEK F143-S

Above Pallette Creek DURING THE YEAR ENDING SEPTEMBER 30, 19 50

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
164	10-19	1535 / 1540	LUCE	8.4	2.68	0.97		2.6		.6	8		FC39
165	11-2	1635 / 1645	"	8.8	2.98	0.92		2.9		.6	9		"
166	11-16	1605 / 1615	"	8.9	2.70	0.89		2.4		.6	9		"
167	11-30	1630 / 1640	"	8.0	2.66	0.83		2.2		.6	8		"
168	12-15	1410 / 1420	"	8.8	2.95	0.78		2.3		.6	9		"
169	12-28	1610 / 1620	"	8.5	2.43	0.74		1.8		.6	8		"
170	1-10	1730 / 1735	"	9.5	3.32	1.14		3.8		.6	6		"
171	1-25	1410 / 1415	"	9.2	3.19	1.13		3.6		.6	8		"
172	2-15	1620 / 1630	"	11.5	5.90	1.81		10.7		.6	6		"
173	3-1	1130 / 1140	"	10.0	5.29	1.47		7.8		.6	6		"
174	3-15	1535 / 1545	LUCE - LINDSAY	9.7	4.21	0.76		3.2		.6	9		"
175	3-29	1555 / 1605	LUCE	11.0	5.21	0.61		3.2		.6	6		"
176	4-12	1635 / 1645	"	11.5	5.17	0.77		4.0		.6	7		"
177	4-20	1730 / 1740	"	6.0	2.76	1.38		3.8		.6	7		"
178	5-3	1335 / 1345	"	10.0	3.15	0.76		2.4		.6	7		"
179	5-17	1425 / 1435	"	6.5	2.33	1.11		2.6		.6	6		"
180	5-31	1235 / 1245	"	7.5	2.84	0.74		2.1		.6	6		"
181	6-14	1535 / 1545	"	8.5	2.83	0.75		2.1		.6	6		"
182	6-29	1400	"					1.6		EST.			
183	7-19	1140 / 1150	"	7.8	2.27	0.71		1.6		.6	7		FC39
184	8-2	1145 / 1150	"	7.0	2.28	0.75		1.7		.6	7		"
185	8-23	1140 / 1150	"	7.5	2.45	0.73		1.8		.6	7		"
186	9-6	1245 / 1255	"	8.0	2.43	0.78		1.9		.6	7		"
187	9-20	1455 / 1500	"	7.5	2.33	0.73		1.7		.6	7		"
188	10-3	0810 / 0820	LUCE	7.5	2.27	0.66		1.5		.6	7		FC39
189	10-18	1505 / 1510	"	5.9	2.07	0.68		1.4		.6	7		FC41
190	11-8	1330 / 1335	"	6.5	2.58	0.60		1.5		.6	8		"
191	11-21	0745 / 0750	"	7.5	2.69	0.56		1.5		.6	9		"
192	12-7	1330 / 1340	"	7.2	2.37	0.59		1.4		.6	9		"
193	12-20	1115 / 1125	"	7.1	2.41	0.58		1.4		.6	9		"
194	1-3	1025 / 1035	"	6.6	2.37	0.55		1.3		.6	9		"
195	1-17	1410 / 1420	"	6.5	2.26	0.53		1.2		.6	9		"
196	2-2	1620 / 1630	"	6.1	2.12	0.57		1.2		.6	9		"
197	2-14	1135 / 1145	"	6.5	2.17	0.46		1.0		.6	9		"
198	2-28	1540 / 1550	"	6.0	1.90	0.63		1.2		.6	9		"
199	3-14	1100 / 1110	"	6.0	1.78	0.67		1.2		.6	8		"
200	3-27	1420 / 1430	"	6.5	1.81	0.66		1.2		.6	9		"
201	4-11	1525 / 1535	"	6.0	1.54	0.71		1.1		.6	10		"
202	4-25	0930 / 0940	"	6.0	1.82	0.77		1.4		.6	10		"
203	5-9	1410 / 1420	"	5.0	1.40	0.74		1.0		.6	9		"
204	5-22	1050 / 1100	"	6.0	1.49	0.74		1.1		.6	10		"
205	6-6	1230 / 1235	"	5.1	1.39	0.79		1.1		.6	7		"
206	6-20	1345 / 1350	"	4.5	0.74	0.81		0.60		.6	9		"
207	7-3	1130 / 1140	"	4.5	0.76	0.66		0.50		.6	9		"
208	7-18	1345 / 1350	"	5.2	0.97	0.60		0.58		.6	9		"
209	8-1	1625 / 1635	"	5.0	0.92	0.43		0.40		.6	11		"
210	8-15	1545 / 1550	"	3.5	0.51	1.02		0.52		.6	7		"
211	8-29	0920 / 0930	"	3.0	0.47	1.04		0.49		.6	7		"
212	9-5	1745 / 1750	"	3.0	0.49	0.98		0.48		.6	7		"
213	9-19	1630 / 1635	"	3.0	0.48	1.06		0.51		.6	7		"

DISCHARGE MEASUREMENTS OF BIG ROCK CREEK F295-S

above Rising Water DURING THE YEAR ENDING SEPTEMBER 30, 19 50

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION 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	1-10	1645 / 1650	LUCE	8.0	2.12	0.66		1.4		.6	5		FC39
9	1-25	1320 / 1325	"	5.0	1.13	0.43		0.49		.6	6		"
10	2-15	1535 / 1545	"	10.4	5.02	1.19		6.0		.6	6		"
11	3-1	1015 / 1020	"	9.2	4.47	0.87		3.9		.6	6		"
12	3-29	1430 / 1435	"	2.3	0.50	0.20		0.10		.6	4		"
13	4-12	1530 / 1535	"	6.2	2.50	0.38		0.95		.6	7		"
14	4-20	1655 / 1700	"	3.6	0.82	0.36		0.30		.6	5		"

DISCHARGE MEASUREMENTS OF BOUQUET CREEK F284-S

AT NEAR 1.5 Miles Above Texas Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 50

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
11	3-23	0935 / 0945	LUCE	9.6	4.46	1.72		7.7		.6	6		FC39

DISCHARGE MEASUREMENTS OF BOUQUET CREEK F284-S

1.5 Miles above Texas Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 51

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION 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	1-25	1023 / 1025	LUCE - BROWN	1.5	0.16	0.38		0.06		.5	4		FC41
13	3-8	1349 / 1351	LUCE - THOMAS	1.3	0.12	0.58		0.07		.5	4		"

DISCHARGE MEASUREMENTS OF COLD CREEK F61-S

AT Crater Camp DURING THE YEAR ENDING SEPTEMBER 30, 19 50

NO.	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.
105	1-17	1212 / 1217	BOLLINGER	2.2	0.48	0.67		0.32		.5	3		FC6
106	2-2	1704 / 1711	"	2.3	0.43	0.46		0.20		.6	4		"
107	2-9	1602 / 1612	"	4.7	1.71	0.26	10.80	0.45		.6	6		"
108	2-16	1647 / 1653	"	3.0	0.68	0.59	10.78	0.40		.6	4		"
109	2-23	1648 / 1656	"	4.0	0.51	0.75	10.78	0.38		.6	5		"
110	3-3	1118 / 1122	"	2.2	0.37	0.81		0.30		.6	3		"
111	3-9	1622 / 1630	"	3.5	1.25	0.22	10.76	0.28		.5	5		"
112	3-16	0955 / 1000	"	2.0	0.27	0.74	10.74	0.20		.6	3		"
113	3-22	1518 / 1524	"	1.5	0.39	1.13	10.75	0.44		.5	3		"
114	3-29	1258 / 1303	"	1.8	0.47	0.98	10.75	0.46		.5	2		"
115	4-6	1628 / 1633	"	2.6	0.41	0.73	10.74	0.30		.5	4		"
116	4-13	1712 / 1717	"	1.8	0.29	0.83	10.72	0.24		.5	3		"
117	4-27	1607 / 1613	"	3.7	0.83	0.34	10.67	0.28		.5	4		"
118	5-11	1316 / 1321	"	3.2	0.62	0.18	10.68	0.11		.5	4		"

DISCHARGE MEASUREMENTS OF ELIZABETH LAKE CREEK F141-S

Above Dry Gulch DURING THE YEAR ENDING SEPTEMBER 30, 19 50

NO.	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.
156	12-16	1345 / 1350	LUCE	9.2	2.68	1.12		3.0		.6	6		FC39
157	3-2	1520 / 1525	"	8.5	2.16	0.93		2.0		.6	8		"
158	3-16	1620 / 1626	LUCE - LINDSAY	4.5	1.35	0.96		1.3		.6	5		"
159	3-23	1115 / 1120	LUCE	5.0	1.23	1.14		1.4		.6	6		"
160	4-6	1340 / 1345	"	5.0	1.13	0.74		0.83		.6	6		"
161	4-13	1640 / 1645	"	5.7	1.46	1.10		1.6		.6	6		"
162	4-21	1310 / 1315	"	5.0	0.96	0.93		0.89		.6	6		"
163	4-28	1235 / 1240	"	5.0	1.14	1.05		1.2		.6	6		"
164	5-4	1410 / 1415	"	5.0	1.25	1.04		1.3		.6	6		"
165	5-11	1145 / 1150	"	4.5	0.70	0.56		0.39		.6	4		"
166	5-25	1525 / 1530	"	4.3	0.46	0.37		0.17		.6	4		"

DISCHARGE MEASUREMENTS OF ELIZABETH LAKE CREEK F141B-S

above Dry Gulch DURING THE YEAR ENDING SEPTEMBER 30, 19 51

NO.	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.
167	3-23	1324 / 1330	TURNER	2.0	0.24	0.79		0.19		.5	4		FC43

DISCHARGE MEASUREMENTS OF EVEY CREEK F296-S

above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 50

NO.	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.
8	10-6	1130	STUNDEN				0.16	0.03	90°	V-NOTCH WEIR			
9	10-26	1120	"				0.17	0.03		"	"		
10	11-3	1230	"				0.19	0.04		"	"		
11	11-25	1205	"				0.29	0.12		"	"		
12	2-2	1500 / 1505	"	2.0	0.21	1.05		0.22		.5	4		FC36
13	3-9	1510 / 1513	STUNDEN - BROWN	1.8	0.21	0.43		0.09		.5	4		"
14	3-23	1220	STUNDEN				0.33	0.16	90°	V-NOTCH WEIR			
15	5-18	1230	"				0.35	0.19		"	"		
16	6-8	1340	"				0.30	0.13		"	"		
17	7-27	1300	"				0.18	0.04		"	"		
18	8-24	0800	"				0.14	0.02		"	"		

DISCHARGE MEASUREMENTS OF EVEY CREEK F296-S

above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 51

NO.	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.
18	10-5	1240	STUNDEN				0.14	0.02		V NOTCH WEIR			
19	2-8	1300 / 1305	SPENCER - STUNDEN	0.90	0.42	0.45		0.19		.5	6		FC36
20	3-15	1310 / 1315	STUNDEN	1.3	0.20	0.80		0.16		.5	5		FC49H
21	3-29	1045	"				0.30	0.13		V NOTCH WEIR			
22	4-4	1300	"				0.30	0.13		"	"		
23	5-10	1110	"				0.30	0.13		"	"		
24	5-31	1240 / 1245	"	1.3	0.14	0.71		0.10		.5	5		FC49H
25	6-13	1330	"				0.20	0.05		V NOTCH WEIR			
26	6-28	1235	"				0.20	0.05		"	"		
27	8-2	1230	"				0.16	0.03		"	"		

DISCHARGE MEASUREMENTS OF MAIN SPREADING CANAL F100-S

AT Mouth of San Gabriel Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 50

NO.	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.
121	11-23	1503 / 1514	MOON	13.7	19.2	1.71	2.05	32.8		.6	7	0	FC22
122	12-1	1420 / 1435	"	13.2	16.5	1.48	1.87	24.5		.6	12	0	"
123	12-29	1437 / 1452	"	12.7	13.6	1.87	1.67	25.4		.6	11	0	"
124	1-5	1147 / 1202	"	12.5	13.0	1.83	1.61	23.8		.6	12	0	"
125	1-12	1320 / 1336	"	13.7	20.0	2.39	2.12	47.9		.6	14	0	"
126	1-19	1523 / 1540	"	13.5	20.4	2.51	2.16	51.2		.6	13	0	"
127	1-26	1428 / 1443	"	12.7	13.6	1.73	1.66	23.5		.6	12	0	"
128	2-2	1414 / 1429	"	12.7	14.1	1.74	1.66	24.5		.6	12	0	"
129	2-6	1525 / 1540	MOON - GUTIERREZ	12.7	14.0	1.73	1.67	24.2		.6	12	0	"
130	3-9	1437 / 1454	MOON	13.2	16.3	1.88	1.83	30.7		.6	12	0	"
131	3-16	1410 / 1428	"	12.5	10.6	1.30	1.42	13.8		.6	12	0	"
132	4-6	1452 / 1507	"	11.5	6.98	0.93	1.16	6.5		.6	10	0	"

DISCHARGE MEASUREMENTS OF MAIN SPREADING CANAL F100-S

AT Mouth of San Gabriel Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 51

NO.	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.
133	11-22	1340 / 1350	MOON	11.0	7.10	1.10	1.20	7.8		.6	10		FC22
134	1-25	1427 / 1441	"	11.0	6.60	0.88	1.17	5.8		.6	12		"
135	2-1	1435 / 1450	"	11.0	6.88	0.90	1.18	6.2		.6	12		"
136	2-8	1355 / 1410	"	11.0	7.06	0.91	1.18	6.4		.6	12		"
137	2-15	1410 / 1420	"	11.0	6.96	0.92	1.18	6.4		.6	12		"
138	2-21	1427 / 1442	SPENCER - MOON	11.0	7.26	0.92	1.22	6.7		.6	12		"
139	3-8	1357 / 1412	MOON	11.0	6.47	0.85	1.13	5.5		.6	12		"
140	3-15	1505 / 1525	"	13.5	18.9	2.28	2.06	43.0		.6	15		"

DISCHARGE MEASUREMENTS OF MILL CREEK F112-S

AT NEAR Above Big Tujunga Creek DURING THE YEAR ENDING SEPTEMBER 30, 19 50

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.
348	10-5	0955	TURNER					0.06		VOL.			
349	10-13	1145	"					0.04		"			
350	10-20	1050	"					0.08		"			
351	10-26	1015	"					0.11		"			
352	11-2	1307	"					0.10		"			
353	11-17	0920	"					0.24		"			
354	12-1	1017 / 1020	"	0.60	0.28	1.14		0.32		.6	1		FC44
355	12-8	0931 / 0934	"	2.5	0.52	1.02		0.53		.5	4		"
356	12-21	0952 / 0955	"	3.5	1.24	0.51		0.63		.6	4		"
357	12-29	0957 / 1000	"	1.9	0.89	0.64		0.57		.6	3		"
358	1-5	1420 / 1423	"	1.9	0.86	0.63		0.54		.6	3		"
359	1-12	1442 / 1445	"	2.0	1.05	0.90		0.95		.6	3		"
360	1-18	1530 / 1533	"	2.0	1.03	0.77		0.79		.6	3		"
361	2-1	1027 / 1030	"	2.0	1.04	0.73		0.76		.6	3		"
362	2-9	1022 / 1025	"	2.0	1.12	0.98		1.1		.6	3		"
363	2-16	1057 / 1100	"	2.0	1.07	0.86		0.92		.6	3		"
364	2-23	1055 / 1058	"	2.0	1.04	0.76		0.79		.6	3		"
365	3-1	1050 / 1053	"	2.0	1.04	0.77		0.80		.6	3		"
366	3-8	1315 / 1318	"	2.0	1.03	0.78		0.80		.6	3		"
367	3-16	1015 / 1018	"	2.0	1.06	0.78		0.83		.6	3		"
368	3-22	1257 / 1300	"	2.0	1.03	0.80		0.82		.6	3		"
369	3-29	1000 / 1003	"	2.0	1.07	0.87		0.93		.6	3		"
370	4-5	1110 / 1113	"	2.0	1.04	0.83		0.86		.6	3		"
371	4-13	1310 / 1313	"	2.0	1.10	0.90		0.99		.6	3		"
372	4-20	1337 / 1340	"	2.0	1.04	0.61		0.63		.6	3		"
373	4-27	1000 / 1003	"	2.0	1.09	0.80		0.87		.6	3		"
374	5-3	1020 / 1023	"	2.0	1.10	0.77		0.85		.6	3		"
375	5-10	1005 / 1008	"	2.0	1.07	0.70		0.75		.6	3		"
376	5-18	1420 / 1423	"	2.0	1.01	0.59		0.60		.6	3		"
377	5-25	1012 / 1015	"	2.0	1.03	0.59		0.61		.6	3		"
378	5-31	1412 / 1415	"	1.9	0.86	0.29		0.25		.6	3		"
379	6-7	0957 / 1000	"	1.9	0.93	0.42		0.39		.6	3		"
380	6-15	0950 / 0953	"	1.9	0.90	0.36		0.32		.6	3		FC43
381	6-21	1024 / 1027	"	0.70	0.34	0.44		0.15		.6	1		FC44
382	6-27	1030 / 1033	"	0.70	0.34	0.41		0.14		.6	1		"
383	7-6	0950	"					0.07		VOL.			
384	7-12	1015	"					0.06		"			
385	7-19	0920	"					0.06		"			
386	7-26	1400	"					0.01		"			
387	8-2	0935	"					0.05		"			
388	8-9	0925	"					0.05		"			
389	8-16	0925	TURNER - SPENCER					0.05		"			
390	8-23	1010	TURNER					0.04		"			
391	8-30	0920	"					0.04		"			
392	9-6	1010	SPENCER					0.05		"			
393	9-13	0855	"					0.06		"			
394	9-20	1034	"					0.06		"			
395	9-27	1125	LUCE					0.03		"			

DISCHARGE MEASUREMENTS OF MILL CREEK F112-S

AT NEAR above Big Tujunga Creek DURING THE YEAR ENDING SEPTEMBER 30, 19 51

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.
396	10-4	1300 / 1301	STUNDEN	VOLUMETRIC				0.02		VOL.			
397	10-11	1635	"		"			0.02		"			
398	10-18	0950	TURNER		"			0.05		"			
399	10-25	0945	"		"			0.07		"			
400	11-1	1405	"		"			0.06		"			
401	11-8	0925	"		"			0.10		"			
402	11-15	0930	"		"			0.17		"			
403	11-22	0955	"		"			0.21		"			
404	11-29	1005 / 1011	"	1.7	0.38	0.63		0.24		.5	5		FC44
405	12-7	1412 / 1416	"	0.8	0.43	0.49		0.21		.6	1		"
406	12-14	0842 / 0845	"	0.7	0.38	0.61		0.23		.6	1		"
407	12-20	1020 / 1023	"	0.8	0.45	0.67		0.30		.6	1		"
408	12-27	1230 / 1233	"	0.8	0.43	0.77		0.33		.6	1		"
409	1-3	1347 / 1350	"	0.8	0.43	0.79		0.34		.6	1		"
410	1-10	1017 / 1020	"	0.8	0.43	0.86		0.37		.6	1		"
411	1-11	1012 / 1015	"	0.8	0.48	0.96		0.46		.6	1		"
412	1-17	0952 / 0955	"	0.8	0.45	1.11		0.50		.6	1		"
413	1-24	1010 / 1013	"	0.8	0.43	1.00		0.43		.6	1		"
414	1-31	1007 / 1010	"	0.8	0.45	1.24		0.56		.6	1		"
415	2-7	0946 / 0949	"	0.8	0.40	1.20		0.48		.6	1		"
416	2-14	1040 / 1043	"	0.8	0.42	1.07		0.45		.6	1		"
417	2-21	1240 / 1243	"	0.8	0.43	1.16		0.50		.6	1		"
418	2-28	1435 / 1438	"	0.8	0.45	1.33		0.60		.6	1		"
419	3-8	0950 / 0953	"	0.8	0.45	1.27		0.57		.6	1		"
420	3-15	0940 / 0943	"	0.8	0.43	1.23		0.53		.6	1		"
421	3-22	1050 / 1053	"	0.8	0.42	1.12		0.47		.6	1		"
422	3-30	1330 / 1333	"	0.8	0.43	1.07		0.46		.6	1		"
423	4-5	0952 / 0955	"	0.8	0.44	1.16		0.51		.6	1		"
424	4-12	1015 / 1018	"	0.8	0.42	1.02		0.43		.6	1		"
425	4-18	1027 / 1030	"	0.8	0.42	1.17		0.49		.6	1		"
426	4-26	0932 / 0935	"	0.8	0.43	1.21		0.52		.6	1		"
427	5-3	1050 / 1053	"	0.8	0.43	1.19		0.51		.6	1		"
428	5-10	1022 / 1025	"	0.6	0.30	0.90		0.27		.6	1		"
429	5-18	1112 / 1115	"	0.6	0.30	0.87		0.26		.6	1		"
430	5-24	1052 / 1055	"	0.6	0.30	0.73		0.22		.6	1		"
431	5-31	1312 / 1315	"	0.7	0.29	0.41		0.12		.6	1		"
432	6-8	0936 / 0939	"	0.7	0.32	0.72		0.23		.6	1		"
433	6-13	1002 / 1005	"	0.7	0.29	0.41		0.12		.6	1		"
434	6-21	0957 / 1000	"	0.6	0.26	0.46		0.12		.6	1		"
435	6-28	1000	"					0.06		VOL.			
436	7-6	0845	"					0.05		"			
437	7-12	1048	THOMAS					0.03		"			
438	7-18	0840	TURNER					0.03		"			
439	7-26	0935	"					0.03		"			
440	8-2	1110	"					0.01		"			
441	8-9	1100	"					0.03		"			
442	8-16	0950	"					0.03		"			
443	8-23	0955	"					0.04		"			
444	8-30	1100	"					0.05		"			
445	9-7	0930	HOLLERON					0.04		"			
446	9-13	1033	"					0.03		"			
447	9-19	1000	TURNER					0.03		"			
448	9-27	0855	"					0.04		"			

DISCHARGE MEASUREMENTS OF PALLETTE CREEK F122-S

AT NEAR Big Rock Creek DURING THE YEAR ENDING SEPTEMBER 30, 19 50

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
148	1-25	1420 / 1425	LUCE	1.4	0.15	0.67		0.10		.6	3		FC39
149	2-15	1640 / 1645	"	1.7	0.17	0.59		0.10		.6	2		"
150	3-15	1355 / 1357	LUCE - LINDSAY	1.4	0.14	0.29		0.04		.6	2		"
151	3-29	1525 / 1530	LUCE	1.3	0.22	0.55		0.12		.6	3		"

DISCHARGE MEASUREMENTS OF PALM CREEK F290-S

AT NEAR Telegraph Road DURING THE YEAR ENDING SEPTEMBER 30, 19 50

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
31	10-26	1604 / 1612	WADDICOR	4.0	1.30	0.47	1.44	0.61		.6 .5	4		FC37
32	11-9	1505 / 1510	"	4.0	1.22	0.79	1.44	0.97		.5	4		"
33	12-8	1310 / 1317	WADDICOR - PAYNE	3.5	1.45	0.52	1.44	0.75		.6	4		"
34	3-15	1405 / 1415	WADDICOR	4.0	1.78	1.57	1.48	2.8		.6	4		"
35	5-25	1600 / 1608	BONADIMAN	4.5	1.93	0.52	1.54	1.0		.6	5		FC19
36	7-6	1532 / 1538	"	5.0	1.35	0.33	1.51	0.45		.5	3		"
37	8-3	1600 / 1604	"	1.5	0.21	0.14	1.22	0.03		.5	2		"

DISCHARGE MEASUREMENTS OF SANDROCK CREEK F289-S

AT NEAR Pearblossom Highway DURING THE YEAR ENDING SEPTEMBER 30, 19 50

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
35	10-19	1440 / 1445	LUCE	1.4	0.13	0.92		0.12		.6	3		FC39
36	11-2	1525 / 1530	"	1.5	0.13	0.54		0.07		.6	3		"
37	11-30	1545 / 1550	"	1.5	0.20	0.45		0.09		.6	3		"
38	12-15	1250 / 1255	"	1.7	0.24	0.42		0.10		.6	3		"
39	12-28	1500 / 1505	"	1.6	0.31	0.39		0.12		.6	3		"
40	1-25	1300 / 1305	"	1.5	0.24	0.62		0.15		.6	3		"
41	2-15	1520 / 1525	"	1.7	0.20	0.75		0.15		.6	3		"
42	3-1	1000 / 1005	"	1.5	0.29	0.48		0.14		.6	3		"
43	3-15	1458 / 1502	LUCE - LINDSAY	1.3	0.33	0.58		0.19		.6	3		"
44	3-29	1415 / 1420	LUCE	1.5	0.21	0.71		0.15		.6	3		"
45	4-12	1505 / 1510	"	1.5	0.26	0.38		0.10		.6	3		"
46	4-20	1635 / 1640	"	1.4	0.29	0.55		0.16		.6	3		"
47	5-3	1500 / 1505	"	1.3	0.17	0.65		0.11		.6	3		"
48	5-17	1525	"				0.31	0.14		V-NOTCH WEIR			
49	5-31	1200	"				0.29	0.12		"		"	
50	6-14	1415	"				0.30	0.13		"		"	

DISCHARGE MEASUREMENTS OF SANDROCK CREEK F289-S

AT NEAR Pearblossom Highway DURING THE YEAR ENDING SEPTEMBER 30, 19 51

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
51	2-2	1510	LUCE					0.07		V NOTCH			
52	3-27	1230 / 1235	"	1.3	0.23	0.17		0.04		.6	5		FC41

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER F208-S

AT NEAR below Morris Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 50

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
14	7-28	0815 / 0829	MOON	20.0	24.7	0.37		9.2		.6	10		FC48H
15	7-28	1512 / 1528	"	9.0	6.55	1.65		10.8		.6	9		FC22

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER F208-S

AT NEAR below Morris Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 51

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
16	10-16	1530 / 1542	MOON	10.0	8.30	3.22		26.7		.6	9		FC22
17	10-18	0830 / 0842	"	12.0	17.4	1.50		26.1		.6	10		"
18	5-11	0908 / 0937	"	16.5	18.6	0.53		9.9		.6	18		"
19	6-18	1325 / 1415	KASIMOFF - MOON	11.0	13.6	0.70		9.5		.6 .5	14		"
20	6-28	1310 / 1335	"	10.8	14.5	0.63		9.2		.6	13		"

DISCHARGE MEASUREMENTS OF SAN JOSE CREEK F292-S

AT NEAR Hacienda Avenue DURING THE YEAR ENDING SEPTEMBER 30, 19 50

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION 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	3-31	0950 / 1000	STUNDEN	3.0	0.60	1.02	0.63	0.61		.5	5		FC36
13	4-19	1000 / 1005	"	3.0	0.84	1.31	0.70	1.1		.5	5		"
14	5-3	1000 / 1010	"	4.0	1.20	1.42	0.74	1.7		.5	5		"

DISCHARGE MEASUREMENTS OF SAN JOSE CREEK F292-S

AT NEAR Hacienda Avenue DURING THE YEAR ENDING SEPTEMBER 30, 19 51

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
15	12-7	0925 / 0931	STUNDEN	3.0	0.71	1.37		0.97		.5	6		FC36
16	1-3	0950 / 1000	"	2.8	0.58	1.64		0.95		.5	6		"
17	2-20	1000 / 1010	"	3.0	0.91	1.32		1.2		.5	7		"
18	3-8	0855 / 0900	"	2.5	0.35	0.80		0.28		.5	6		"

DISCHARGE MEASUREMENTS OF SANTA MONICA CREEK F272-S

AT NEAR Above Rustic Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 50

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
283	10-20	1550 / 1556	BOLLINGER	3.1	0.12	2.16		0.26		FLOATS	4		
284	11-3	0853 / 0858	"	3.0	0.13	2.30		0.30		"	4		
285	11-23	1528 / 1533	"	3.0	0.14	2.21		0.31		"	4		
286	12-22	1523 / 1528	"	3.5	0.33	3.64		1.2		"	4		
287	1-5	1651 / 1656	"	3.2	0.16	2.12		0.34		"	4		
288	1-19	0845 / 0853	"	3.2	0.17	2.42		0.41		"	4		
289	2-2	1500 / 1506	"	3.0	0.15	2.47		0.37		"	4		
290	2-9	1326 / 1333	"	3.2	0.17	2.47		0.42		"	5		
291	2-23	1427 / 1434	"	3.0	0.14	2.21		0.31		"	4		
292	3-9	1350 / 1357	"	2.3	0.10	2.70		0.27		"	3		
293	3-23	1540 / 1545	"	2.5	0.14	2.36		0.33		"	3		
294	4-6	1400 / 1405	"	3.0	0.12	2.08		0.25		"	4		
295	4-20	1325 / 1328	"	1.4	0.01	1.00		0.01		"	2		
296	5-3	1220 / 1225	"	3.1	0.12	2.50		0.30		"	4		
297	5-18	0908 / 0913	"	3.0	0.14	1.72		0.24		"	4		
298	5-31	1343 / 1349	BLAKELY	2.5	0.20	3.05		0.61		"	2		
299	6-15	0853 / 0900	BOLLINGER	3.4	0.18	2.72		0.49		"	5		
300	6-22	1355 / 1401	"	3.1	0.15	2.00		0.30		"	5		
301	7-13	0917 / 0923	"	3.0	0.14	2.28		0.32		"	4		
302	7-28	1317 / 1320	TURNER	3.0	0.14	1.57		0.22		"	3		
303	8-4	1402 / 1405	"	3.0	0.17	1.82		0.31		"	4		
304	8-17	1410 / 1415	BOLLINGER	2.6	0.10	1.61		0.16		"	4		
305	8-31	1423 / 1428	"	3.2	0.17	2.06		0.35		"	4		

DISCHARGE MEASUREMENTS OF SANTA MONICA CREEK F272-S

above Rustic Creek DURING THE YEAR ENDING SEPTEMBER 30, 19 51

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
306	10-19	1545 / 1553	BOLLINGER	2.3	0.11	1.91		0.21		FLOATS	4		
307	11-16	0900 / 0905	"	3.0	0.13	1.77		0.23		"	4		
308	12-7	1455 / 1500	"	2.9	0.10	2.40		0.24		"	4		
309	1-25	1455 / 1500	"	3.1	0.15	1.73		0.26		"	4		
310	2-15	1352 / 1357	"	3.0	0.11	2.27		0.25		"	4		
311	3-8	1450 / 1456	"	3.0	0.13	2.54		0.33		"	4		
312	3-22	1420 / 1425	"	3.3	0.17	1.47		0.25		"	5		
313	4-11	1300 / 1308	"	2.6	0.08	1.12		0.09		"	4		
314	4-26	1405 / 1410	"	3.1	0.14	2.22		0.31		"	4		
315	5-10	1415 / 1420	"	3.0	0.17	2.18		0.37		"	5		
316	5-24	1410 / 1416	"	3.0	0.12	2.08		0.25		"	5		
317	6-7	1334 / 1339	"	3.0	0.10	1.80		0.18		"	4		
318	6-21	1357 / 1402	"	3.0	0.11	1.46		0.16		"	5		
319	7-5	1115 / 1120	"	3.0	0.14	1.72		0.24		"	5		
320	7-19	1410 / 1415	"	2.8	0.13	1.38		0.18		"	4		
321	8-3	1445 / 1457	THOMAS	3.9	0.29	1.21		0.35		"	6		
322	8-9	1230 / 1236	"	3.6	0.17	1.94		0.33		"	5		
323	8-23	1713 / 1718	BOLLINGER	2.5	0.12	1.33		0.16		"	4		
324	9-6	1438 / 1443	"	3.1	0.17	1.65		0.28		"	5		
325	9-20	1412 / 1417	"	3.0	0.16	1.44		0.23		"	5		

DISCHARGE MEASUREMENTS OF SANTA MONICA CREEK F55-S

below Rustic Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 51

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
366	10-19	1557 / 1602	BOLLINGER	COMPOSITE MEAS.				0.47		FLOATS			
367	11-16	0908 / 0913	"	"	"			0.53		"			
368	12-7	1504 / 1509	"	"	"			0.58		"			
369	1-25	1503 / 1508	"	"	"			0.59		"			
370	2-15	1409 / 1407	"	"	"			0.71		"			
371	3-8	1500 / 1506	"	5.5	0.60	2.17		1.3		"			
372	3-22	1427 / 1433	"	COMPOSITE MEAS.				0.60		"			
373	4-11	1312 / 1317	"	"	"			0.36		"			
374	4-26	1416 / 1423	"	"	"			0.79		"			
375	5-10	1423 / 1428	"	"	"			0.70		"			
376	5-24	1420 / 1426	"	"	"			0.58		"			
377	6-7	1345 / 1348	"	"	"			0.48		"			
378	6-21	1405 / 1411	"	"	"			0.43		"			
379	7-5	1135 / 1151	"	"	"			0.48		"			
380	7-19	1420 / 1425	"	"	"			0.44		"			
381	8-2	1505 / 1510	THOMAS	"	"			0.54		"			
382	8-9	1249 / 1256	"	"	"			0.50		"			
383	8-23	1723 / 1728	BOLLINGER	"	"			0.32		"			
384	9-6	1447 / 1453	"	"	"			0.47		"			
385	9-20	1420 / 1425	"	"	"			0.41		"			

DISCHARGE MEASUREMENTS OF SANTA MONICA CREEK F55-S

~~AT~~ NEAR below Rustic Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 50

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
343	10-20	1600 / 1605	BOLLINGER	TWO CHANNELS				0.48		FLOATS	3		
344	11-3	0903 / 0908	"	"	"			0.55		"	4		
345	11-23	1539 / 1545	"	"	"			0.59		"	4		
346	12-22	1512 / 1517	"	6.7	0.72	3.61		2.6		"	4		
347	1-5	1700 / 1706	"	4.1	0.39	2.34		0.91		"	6		
348	1-19	0900 / 0906	"	4.0	0.34	2.62		0.89		"	6		
349	2-2	1511 / 1517	"	TWO CHANNELS				0.94		"	5		
350	2-9	1336 / 1343	"	"	"			1.5		"	5		
351	2-23	1438 / 1443	"	"	"			1.1		"	6		
352	3-9	1400 / 1407	"	"	"			0.96		"	4		
353	3-23	1550 / 1556	"	5.2	0.44	2.28		1.0		"	6		
354	4-6	1408 / 1413	"	TWO CHANNELS				0.83		"	5		
355	4-20	1335 / 1340	"	"	"			0.55		"	5		
356	5-3	1230 / 1235	"	COMPOSITE MEAS.				0.88		"	5		
357	5-18	0917 / 0923	"	"	"			0.71		"	5		
358	6-15	0905 / 0910	"	"	"			0.80		"	5		
359	6-22	1405 / 1412	"	"	"			0.67		"	6		
360	7-13	0927 / 0934	"	4.2	0.28	2.68		0.75		"	6		
361	7-28	1310 / 1313	TURNER	5.0	0.26	2.15		0.56		"	4		
362	8-4	1355 / 1358	"	5.0	0.27	2.41		0.65		"	4		
363	8-17	1418 / 1425	BOLLINGER	COMPOSITE MEAS.				0.42		"	5		
364	8-31	1433 / 1438	"	"	"			0.61		"	3		
365	9-14	1500 / 1505	"	"	"			0.59		"	4		

DISCHARGE MEASUREMENTS OF SEPULVEDA CREEK F185-S

~~AT~~ NEAR Charnock Road DURING THE YEAR ENDING SEPTEMBER 30, 19 50

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION 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	6-7	1303 / 1309	BLAKELY	COMPOSITE				0.85		5+ EST.	4		FC35
2	7-28	1426 / 1432	TURNER	4.0	0.93	0.89		0.83		.5	5		FC43
3	8-4	1139 / 1145	"	2.3	0.46	0.72		0.33		.5	5		"
4	8-10	0905 / 0910	BOLLINGER	2.0	0.40	0.63		0.25		.5	2		FC6
5	8-17	0652 / 0900	"	4.5	1.23	0.54		0.66		.5	5		"
6	9-7	1000 / 1005	"	2.4	0.68	1.00		0.68		.5	4		"
7	9-21	0907 / 0912	"	1.8	0.85	1.41		1.2		.5	2		"

DISCHARGE MEASUREMENTS OF SEPULVEDA CREEK F185-S

~~AT~~ NEAR Charnock Road DURING THE YEAR ENDING SEPTEMBER 30, 19 51

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION 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	0907 / 0912	LANG	3.0	1.20	0.92		1.1		.6	5		FC12
9	10-11	0814 / 0820	"	2.6	0.84	0.49		0.41		.6	5		"
10	12-15	0848 / 0852	"	1.6	0.28	0.68		0.19		.5	5		"

DISCHARGE MEASUREMENTS OF TUJUNGA WASH F105B-S

AT Above Los Angeles River DURING THE YEAR ENDING SEPTEMBER 30, 19 50

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
27	10-13	1004 / 1008	BLAKELY	4.8	0.93	0.66	0.68	0.61		.5	5	0	FC35
28	10-27	0916 / 0922	"	5.2	0.85	0.56	0.71	0.48		.5	5	0	"
29	11-23	0941 / 0947	BLAKELY - LINDSAY	5.0	0.61	0.66	0.58	0.40		.5	5	0	"
30	1-5	0924 / 0928	BLAKELY	2.6	0.34	0.71	0.52	0.24		.5	4	0	"
31	2-2	1042 / 1048	"	2.8	0.49	0.88		0.43		.5	5		"
32	2-16	1107 / 1113	"	2.5	0.73	0.82		0.60		.5	5		"
33	3-2	1100 / 1104	"	2.4	0.61	0.74		0.45		.5	5		"
34	3-16	1055 / 1101	"	2.0	0.74	0.70		0.52		.5	4		"
35	3-30	1117 / 1123	"	2.6	0.90	0.43		0.39		.5	5		"
36	4-13	1100 / 1104	"	3.0	0.63	0.65		0.41		.5	4		"
37	7-13	1122 / 1125	TURNER	2.5	0.25	1.12		0.28		FLOATS	3		
38	7-27	1312 / 1315	SPENCER	1.5	0.22	0.82		0.18		"	1		
39	8-17	0950 / 0955	LANG	2.6	0.32	0.37		0.12		SURF.	4		FC12
40	8-24	1026 / 1030	"	2.4	0.34	0.29		0.10		"	4		"
41	8-31	1113 / 1118	"	2.1	0.26	0.54		0.14		"	4		"
42	9-14	1020 / 1025	"	2.4	0.28	0.46		0.13		"	5		"

DISCHARGE MEASUREMENTS OF TUJUNGA WASH F105B-S

above Los Angeles River DURING THE YEAR ENDING SEPTEMBER 30, 19 51

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION 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	10-5	1032 / 1037	THOMAS - LANG	2.2	0.24	0.42		0.10		SURF.	5		FC12
44	10-11	1035 / 1038	LANG	1.8	0.16	0.69		0.11		"	5		"
45	10-19	1006 / 1010	"	1.7	0.16	1.00		0.16		"	5		"
46	11-2	1119 / 1125	"	2.1	0.15	0.53		0.08		"	5		"
47	11-16	1050 / 1055	"	1.6	0.12	0.50		0.06		"	5		"
48	11-30	1113 / 1118	"	1.8	0.24	0.62		0.15		FLOATS	5		"
49	12-7	1106 / 1111	"	1.8	0.26	0.58		0.15		FLOATS	5		"
50	1-11	1027 / 1031	"	1.2	0.11	0.82		0.09		SURF.	4		"
51	1-25	1024 / 1028	"	1.1	0.09	0.67		0.06		"	4		"
52	2-1	1026 / 1030	"	1.8	0.14	1.07		0.15		"	5		"
53	2-15	1013 / 1017	"	1.1	0.12	0.92		0.11		.5	4		"
54	2-29	1114 / 1120	"	0.9	0.10	0.50		0.05		SURF.	5		"
55	5-3	1100 / 1105	"	1.6	0.05	1.40		0.07		FLOATS	5		
56	5-31	1020 / 1025	"	1.5	0.05	1.00		0.05		FLOATS	4		

DISCHARGE MEASUREMENTS OF VALYERMO RANCH SPRINGS CREEK F291-S

AT Pearblossom Highway DURING THE YEAR ENDING SEPTEMBER 30, 19 50

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION 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	10-19	1500 / 1505	LUCE	1.5	0.27	0.33		0.09		.6	3		FC39
35	11-2	1545 / 1550	"	1.5	0.21	0.29		0.06		.6	3		"
36	11-16	1530 / 1535	"	1.5	0.26	0.38		0.10		.6	3		"
37	11-30	1610 / 1615	"	1.5	0.28	0.39		0.11		.6	3		"
38	12-15	1330 / 1335	"	2.0	0.52	0.27		0.14		.6	4		"
39	12-28	1520 / 1530	"	2.0	0.41	0.37		0.15		.6	4		"
40	1-10	1655 / 1700	"	2.1	0.44	0.34		0.15		.6	3		"
41	1-25	1340 / 1345	"	2.1	0.65	0.51		0.33		.6	4		"
42	2-15	1555 / 1600	"	1.4	0.30	0.60		0.18		.6	3		"
43	3-1	1030 / 1035	"	1.6	0.37	0.54		0.20		.6	3		"
44	3-15	1517 / 1521	LUCE - LINDSAY	1.8	0.53	0.94		0.50		.6	4		"
45	3-29	1445 / 1450	LUCE	1.6	0.51	0.73		0.37		.6	3		"
46	4-12	1555 / 1600	"	1.5	0.43	0.51		0.22		.6	3		"
47	4-20	1710 / 1715	"	1.3	0.18	0.78		0.14		.6	3		"
48	5-3	1421 / 1425	"	1.1	0.19	0.42		0.08		.6	2		"
49	5-17	1450 / 1455	"	1.4	0.25	0.88		0.22		.6	2		"
50	5-31	1155 / 1200	"	1.8	0.34	0.53		0.18		.6	4		"
51	7-19	1400 / 1405	"	1.7	0.27	0.22		0.06		.6	3		"
52	8-2	1110 / 1115	"	1.0	0.10	0.60		0.06		.6	2		"
53	8-23	1315 / 1320	"				0.25	0.08		WEIR 90°			
54	9-6	1405 / 1410	"	1.1	0.18	0.28		0.05		.6	2		FC39
55	9-20	1350 / 1355	"	1.0	0.16	0.19		0.03		.6	2		"

DISCHARGE MEASUREMENTS OF VALYERMO RANCH SPRINGS CREEK F291-S

AT Pearblossom Highway DURING THE YEAR ENDING SEPTEMBER 30, 19 51

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
56	10-6	0945	LUCE				0.21	0.05		V NOTCH WEIR			
57	10-18	1405	"				0.22	0.06		"	"		
58	11-8	1400	"				0.23	0.07		"	"		
59	11-21	0830	"				0.34	0.18		"	"		
60	12-7	1350 / 1355	"	1.6	0.27	0.85		0.23		.6	4		FC41
61	12-20	1340	"				0.37	0.21		V NOTCH WEIR			
62	1-3	1105	"				0.41	0.28		"	"		
63	1-17	1210	"				0.39	0.25		"	"		
64	2-2	1535 / 1540	"	1.6	0.32	0.41		0.13		.6	5		FC41
65	2-14	1245 / 1250	"	1.8	0.34	0.44		0.15		.6	5		"
66	2-28	1435 / 1440	"	2.5	0.81	1.11		0.90		.6	6		"
67	3-14	1340 / 1345	"	1.3	0.35	0.71		0.25		.6	5		"
68	3-27	1315 / 1320	"	1.4	0.37	0.68		0.25		.6	5		"
69	4-11	1415 / 1420	"	1.4	0.32	0.44		0.14		.6	6		"
70	4-25	1025	"				0.38	0.23		V NOTCH WEIR			
71	5-9	1145 / 1150	"	1.4	0.31	0.35		0.11		.6	5		FC41
72	5-22	1240 / 1245	"	1.5	0.31	0.39		0.12		.6	5		"
73	6-6	1310	"				0.32	0.15		V NOTCH WEIR			
74	6-20	1445	"				0.29	0.12		"	"		
75	7-3	1400	"				0.33	0.16		"	"		
76	7-18	1430	"				0.27	0.10		"	"		
77	8-1	1440	"				0.25	0.08		"	"		
78	9-19	1530	"				0.22	0.06		"	"		

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:

$$S = A + B - (D + X) + I + J + (K - L) + N + O - Q \text{ WHICH, IN GENERAL,}$$

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 BLVD.

D = THE MEASURED DISCHARGE OF THE RIO HONDO ABOVE RISING WATER.

X = ADDITIONAL FLOW AT VARIOUS LOCATIONS.

I = THE MEASURED DISCHARGE OF TEMPLE DITCH.

J = THE MEASURED DISCHARGE OF RINCON DITCH.

K = THE MEASURED DISCHARGE AT STATION F84S, CATE DITCH BELOW SLUICE GATE.

L = THE MEASURED, OR ESTIMATED, DISCHARGE FROM THE CATE DITCH WELL.

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.

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.

Factor "X"

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER - Inflow from Bridge Construction

AT Pellissier Road DURING THE YEAR ENDING SEPTEMBER 30, 19 51

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	D. MT. CHANGE TOTAL	METER NO.
1	12-28	1440 / 1445	WADDICOR	2.5	0.52	1.73		0.90		.6	5		FC37
2	1-4	1330 / 1336	WADDICOR - LINDSAY	3.0	1.09	1.10		1.2		.5	6		"
3	1-25	1412 / 1417	WADDICOR	2.8	0.84	1.13		0.95		.5	5		"
4	2-1	1430 / 1435	WADDICOR - JORDAN	3.0	1.16	0.95		1.1		.6	6		"
5	2-8	1410 / 1418	WADDICOR	2.1	1.02	1.08		1.1		.6	5		"
6	2-15	1420 / 1430	HOLLERON - WADDICOR	3.7	1.64	0.85		1.4		.6	6		"
7	3-22	1334 / 1346	WADDICOR	TWO CHANNELS				1.1		.5	7		"
8	4-5	1348 / 1358	"	"	"			4.4		.5	9		"
9	4-11	1430 / 1445	"	"	"			2.7		.6	9		"
10	4-19	1355 / 1403	"	"	"			5.2		.6	10		"
11	4-26	1410 / 1420	"	5.0	1.66	1.81		3.0		.6	6		"
12	5-3	1312 / 1317	WADDICOR - BOBIK	8.0	3.90	0.77		3.0		.6	7		"
13	5-10	1405 / 1412	WADDICOR	4.0	1.60	1.56		2.5		.6	5		"
14	5-17	1428 / 1438	"	5.0	2.02	1.47		3.0		.6	6		"

Factor "K"

DISCHARGE MEASUREMENTS OF CATE DITCH F84-S

below Sluice gate DURING THE YEAR ENDING SEPTEMBER 30, 19 50

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	D. MT. CHANGE TOTAL	METER NO.
653	10-6	1025 / 1037	WADDICOR - LINDSAY	7.0	9.15	0.36		3.3		.6	7		FC37
654	10-13	0905 / 0915	WADDICOR	7.0	12.7	0.43		5.5		.6	7		"
655	10-20	0940 / 0950	"	7.0	8.53	0.33		2.8		.6	7		"
656	10-27	0945 / 0950	"	2.0	0.40	0.50		0.20		.6	2		"
657	11-3	0915 / 0925	"	7.0	11.2	0.58		6.5		.6	7		"
658	11-17	1000 / 1010	"	7.0	10.3	0.36		3.7		.6	7		"
659	11-23	0950 / 0955	"	3.3	1.07	0.65		0.70		.6	3		"
660	12-1	0935 / 0945	"	6.2	8.23	0.77		6.3		.6	7		"
661	12-15	1018 / 1024	SPENCER - WADDICOR	3.0	0.65	0.71		0.46		.5	4		"
662	12-22	0948 / 0956	REINHARD - WADDICOR	3.3	0.44	0.59		0.26		.5	5		"
663	12-29	0945 / 0950	WADDICOR	3.0	0.50	0.82		0.41		.5	3		"
664	1-5	0950 / 0955	"	3.5	0.84	0.57		0.48		.5	4		"
665	1-19	0950 / 0955	"	3.0	0.72	0.47		0.34		.5	3		"
666	1-26	0922 / 0927	"	3.0	0.62	0.47		0.29		.5	3		"
667	2-2	0940 / 0950	"	8.5	8.42	0.51		4.3		.5	8		"
668	2-9	0940 / 0945	"	3.0	0.64	0.59		0.38		.5	3		"
669	2-16	0950 / 0955	"	3.0	0.58	0.71		0.41		.5	3		"
670	2-23	0920 / 0930	"	8.3	5.12	0.25		1.3		.6	8		"

DISCHARGE MEASUREMENTS OF CATE DITCH F84-S

AT NEAR below Sluice gate DURING THE YEAR ENDING SEPTEMBER 30, 19 50

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	D. MT. CHANGE TOTAL	METER NO.
671	3-2	1020 / 1025	WADDICOR - BROWN	2.5	0.43	0.56		0.24		.5	3		"
672	3-9	0935 / 0940	WADDICOR	3.0	0.52	0.46		0.24		.5	3		"
673	3-16	0935 / 0940	"	3.0	0.64	0.44		0.28		.5	3		"
674	3-23	0935 / 0942	"	4.0	2.35	0.51		1.2		.6	4		"
675	3-30	0922 / 0932	"	5.8	9.61	0.44		4.2		.6	6		"
676	4-6	0930 / 0934	WADDICOR	1.6	0.16	0.50		0.08		.5	2		"
677	4-13	0937	"					0					
678	4-20	0924 / 0929	"	4.0	1.20	0.70		0.84		.5	4		FC37
679	4-27	0910	"					0					
680	5-4	0950	"					0					
681	5-7	0900	"					0					
682	5-11	0940	"					0					
683	5-17	1000	BONADIMAN					0					
684	5-24	0930	"					0					
685	5-31	0920	"					0					
686	6-7	0930	"					0					
687	6-14	0930	"					0					
688	6-21	0930	"					0					
689	6-28	0920	"					0					
690	7-5	0935	"					0					
691	7-12	0910	"					0					
692	7-19	0910	"					0					
693	7-26	0915	"					0					
694	8-2	0940 / 0946	"	3.0	0.74	0.43		0.32		.6	4		FC46
695	8-9	0850 / 0856	"	2.5	0.47	0.47		0.22		.5	4		FC19
696	8-16	0912 / 0918	"	2.6	0.66	1.11		0.73		.5	4		FC46
697	8-23	0925 / 0930	"	2.0	0.47	0.38		0.18		.5	3		FC19
698	8-30	0936 / 0940	"	2.2	0.40	0.43		0.17		.5	3		"
699	9-6	0925 / 0928	WADDICOR	2.4	0.44	0.54		0.24		.5	2		FC37
700	9-13	0911 / 0914	"	2.1	0.38	0.50		0.19		.5	2		"
701	9-20	0942 / 0945	"	2.2	0.44	0.45		0.20		.5	3		"
702	9-27	0944 / 0950	BONADIMAN	2.4	0.56	0.45		0.25		.5	4		FC19

Factor "K"
DISCHARGE MEASUREMENTS OF CATE DITCH
below Sluice Gate
DURING THE YEAR ENDING SEPTEMBER 30, 19 51

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.
703	10-4	1035 / 1042	BONADIMAN	2.5	0.54	0.15		0.08		.5	5		FC19
704	10-11	0944 / 0950	THOMAS - BONADIMAN	3.0	1.02	1.57		1.6		.5	6		"
705	10-18	0944 / 0950	BONADIMAN	2.8	0.94	1.60		1.5		.6	5		FC46
706	10-25	0922 / 0930	"	3.5	1.58	1.39		2.2		.6	6		"
707	11-2	0925 / 0932	WADDICOR	2.9	1.06	1.70		1.8		.6	5		FC37
708	11-9	0920 / 0928	"	3.4	1.39	1.15		1.6		.6	6		"
709	11-16	0932 / 0939	"	3.1	1.16	1.72		2.0		.6	5		"
710	11-24	0830	"					0					
711	11-30	0950	"					0					
712	12-7	0920	"					0					
713	12-14	0940	"					0					
714	12-21	0930	"					0					
715	12-28	0935 / 0940	"	2.5	0.49	0.20		0.10		.5	6		FC37
716	1-4	0925 / 0930	WADDICOR - LINDSAY	2.1	0.52	0.27		0.14		.5	5		"
717	1-18	1155 / 1200	WADDICOR - VAN BUREN	2.0	0.42	1.55		0.65		.5	4		"
718	1-25	0925 / 0930	WADDICOR	2.2	0.47	0.21		0.10		.5	4		"
719	2-1	0937 / 0945	WADDICOR - JORDAN	2.3	0.53	0.25		0.13		.5	5		"
720	2-8	0930 / 0935	WADDICOR	2.1	0.45	0.20		0.09		.5	5		"
721	2-15	0947 / 0952	HOLLERAN - WADDICOR	2.2	0.51	0.25		0.13		.5	5		"
722	2-21	0930 / 0935	WADDICOR	2.2	0.53	0.23		0.12		.5	4		"
723	3-8	0950	"					0					
724	3-15	0910 / 0914	"	2.0	0.40	0.35		0.14		.5	3		FC37
725	3-22	0930 / 0933	"	2.0	0.35	0.26		0.09		.5	3		"
726	3-28	1025 / 1028	"	2.2	0.38	0.26		0.10		.5	3		"
727	4-5	0900 / 0904	"	2.0	0.32	0.34		0.11		.5	3		"
728	4-11	0945 / 0955	"	3.2	1.33	1.80		2.4		.5	6		"
729	4-19	0905 / 0913	"	3.2	1.35	1.32		1.8		.5 / .6	6		"
730	4-26	0945 / 0950	"	3.8	1.28	1.48		1.9		.5	5		"
731	5-3	0910 / 0916	WADDICOR - BOBIK	3.6	1.53	1.76		2.7		.6	6		"
732	5-10	0935 / 0943	WADDICOR	4.0	1.42	1.36		1.9		.6	5		"
733	5-17	0848 / 0855	"	3.8	1.45	0.90		1.3		.5	5		"
734	5-24	0925 / 0930	"	3.6	1.02	0.36		0.37		.6	5		"
735	5-31	1102 / 1107	"	3.8	1.36	0.81		1.1		.5	5		"
736	6-7	1030	"					0.20		EST.			
737	6-14	0935	"					0					
738	6-21	0955	"	0.5	0.04	0.50		0.02		FLOATS	2		
739	6-28	0957	"					0					
740	7-5	1015	"					0					
741	7-12	0955	"					0					
742	7-18	0954	BONADIMAN					0					
743	7-25	0930	"					0					
744	8-2	1002	WADDICOR					0					
745	8-9	0935	"					0					
746	8-16	0930	"					0					
747	8-23	0925	"					0					
748	8-30	0955	"					0					
749	9-5	0935	"					0					
750	9-12	0922	"					0					
751	9-20	1005	"					0					
752	9-27	0945	"					0					

Factor "N"
DISCHARGE MEASUREMENTS OF STANDEFER DITCH F85-S
below Headgate
DURING THE YEAR ENDING SEPTEMBER 30, 19 50

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.
652	10-6	1105 / 1110	WADDICOR - LINDSAY	3.94	3.26	2.08		6.8		.6	5		FC37
653	10-13	0930 / 0938	WADDICOR	4.06	3.74	2.22		8.3		.6	5		"
654	10-20	1000 / 1008	"	4.10	3.90	2.33		9.1		.6	5		"
655	10-27	1005 / 1013	"	4.14	4.06	2.51		10.2		.6	5		"
656	11-3	0955 / 1003	"	4.00	3.50	2.23		7.8		.6	5		"
657	11-17	1022 / 1028	"	3.20	0.77	0.25		0.19		.5	4		"
658	11-23	1010 / 1019	"	4.20	4.32	2.66		11.5		.6	5		"
659	12-1	1005 / 1013	"	4.06	3.74	2.38		8.9		.6	5		"
660	12-15	1040	"					0					
661	12-22	1005	"					0					
662	12-29	1002	"					0					
663	1-5	1010	"					0					
664	1-19	1005	"					0					
665	1-26	0940	"					0					
666	2-2	1030	"					0					
667	2-9	0952	"					0					
668	2-16	1010	"					0					
669	2-23	1020	"					0					
670	3-2	1036	"					0					
671	3-9	0950	"					0					
672	3-16	0950	"					0					
673	3-23	1010	"					0					
674	3-30	0949	"					0					
675	4-6	0950	"					0					
676	4-13	0950 / 0958	"	3.78	2.64	1.82		4.8		.6	5		FC37
677	4-20	0937 / 0947	"	3.9	3.10	2.00		6.2		.6	5		"
678	4-27	0920 / 0927	WADDICOR - ISOM	4.0	3.50	2.11		7.4		.6	5		"
679	5-4	1005 / 1015	WADDICOR	3.92	3.18	1.76		5.6		.6	5		"
680	5-7	0920 / 0930	"	3.9	3.10	1.68		5.2		.6	5		"
681	5-11	1020 / 1030	"	4.C	3.50	2.31		8.1		.6	5		"
682	5-17	1054 / 1102	BONADIMAN	3.94	3.26	1.96		6.4		.6	5		FC46
683	5-24	1020 / 1028	"	3.96	3.34	1.97		6.6		.6	5		"
684	5-31	0950 / 1000	"	3.92	3.18	1.88		6.0		.6	5		"
685	6-7	0957 / 1006	"	3.98	3.42	2.00		6.9		.6	5		"
686	6-14	1000 / 1008	"	3.94	3.26	1.57		5.1		.6	5		"
687	6-21	1000 / 1008	"	4.00	3.50	2.03		7.1		.6	5		"
688	6-28	0936 / 0946	"	3.98	3.42	1.99		6.8		.6	5		"
689	7-5	1000 / 1008	"	3.92	3.18	1.95		6.2		.6	5		"
690	7-12	0940 / 0948	"	3.88	3.02	1.99		6.0		.6	5		"
691	7-19	0930 / 0940	"	4.10	3.90	2.33		9.1		.6	5		"
692	7-26	0930 / 0938	"	3.84	2.88	1.56		4.5		.6	5		"
693	8-2	1008 / 1015	"	3.84	2.88	1.67		4.8		.6	5		"
694	8-9	0950 / 0956	"	3.84	2.88	1.46		4.2		.6	5		FC19
695	8-16	1309 / 1320	BONADIMAN - WADDICOR	3.74	2.50	1.68		4.2		.6	5		FC46
696	8-23	1040 / 1048	BONADIMAN	3.90	3.10	1.74		5.4		.6	5		FC19
697	8-30	1046 / 1054	"	3.90	3.10	1.84		5.7		.6	5		"
698	9-6	1021 / 1031	WADDICOR	3.80	2.80	1.78		5.0		.6	5		FC37
699	9-13	0942 / 0950	"	3.82	2.80	1.61		4.5		.6	5		"
700	9-20	1015 / 1022	"	3.82	2.80	1.75		4.9		.6	5		"
701	9-27	1025 / 1033	BONADIMAN	3.72	2.42	1.53		3.7		.6	5		FC19

Factor "N"
DISCHARGE MEASUREMENTS OF STANDEFER DITCH F85-S

below Headgate DURING THE YEAR ENDING SEPTEMBER 30, 19 51

NO.	DATE	BEGIN / END	MADE 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.
702	10-4	1120 / 1126	BONADIMAN	3.94	3.28	1.95		6.4		.6	6		FC19
703	10-11	1035 / 1042	THOMAS - BONADIMAN	3.96	3.34	2.07		6.9		.6	6		"
704	10-18	1030 / 1038	BONADIMAN	3.88	3.02	1.85		5.6		.6	6		FC46
705	10-25	1014 / 1020	"	3.88	3.02	1.85		5.6		.6	6		"
706	11-2	1000 / 1010	WADDICOR	4.50	6.21	1.14		7.1		.6	6		FC37
707	11-9	0953 / 1002	"	3.90	3.10	1.84		5.7		.6	6		"
708	11-16	1005 / 1015	"	3.90	3.10	2.00		6.2		.6	6		"
709	11-24	0900 / 0907	"	3.68	1.26	0.54		0.68		.6	6		"
710	11-30	1015 / 1021	"	3.26	0.82	0.43		0.35		.5	6		"
711	12-7	1000	"			*		0.30		EST.			
712	12-14	1017 / 1026	"	4.00	3.50	2.17		7.6		.6	6		FC37
713	12-21	0955 / 1003	"	4.00	3.50	2.26		7.9		.6	6		"
714	12-28	1040 / 1047	"	3.90	3.10	1.97		6.1		.6	6		"
715	1-4	1115 / 1121	"	3.90	3.11	2.09		6.5		.6	6		"
716	1-18	1300	"					6.5		EST.			
717	1-25	0955 / 1003	"	3.76	2.56	1.72		4.4		.6	6		FC37
718	2-1	1038 / 1043	WADDICOR - JORDAN	3.66	2.20	1.50		3.3		.6	6		"
719	2-8	1020 / 1027	WADDICOR	3.54	1.76	0.97		1.7		.6	6		"
720	2-15	1103 / 1110	HOLLERON - WADDICOR	3.40	1.28	0.51		0.65		.5	6		"
721	2-21	0948 / 0958	WADDICOR	4.00	3.50	2.00		7.0		.6	6		"
722	3-8	1003 / 1013	"	4.00	3.50	1.88		6.6		.6	6		"
723	3-15	0940 / 0950	"	4.04	3.66	1.50		5.5		.6	6		"
724	3-22	0940 / 0950	"	4.40	5.18	1.70		8.8		.6	6		"
725	3-28	1103 / 1112	"	4.00	3.50	1.91		6.7		.6	6		"
726	4-5	1000 / 1010	"	4.14	4.06	2.04		8.3		.6	6		"
727	4-11	1007 / 1017	"	4.28	4.66	2.13		9.8		.6	6		"
728	4-19	0925 / 0932	"	4.10	3.90	1.84		7.2		.6	6		"
729	4-26	1005 / 1013	"	4.20	4.32	1.92		8.3		.6	6		"
730	5-3	0935 / 0945	WADDICOR - BOBIK	4.00	3.58	1.68		6.0		.6	6		"
731	5-10	1000 / 1008	WADDICOR	3.98	3.42	1.49		5.1		.6	6		"
732	5-17	0905 / 0915	"	3.80	2.88	1.60		4.6		.6	6		"
733	5-24	0950 / 0958	"	4.04	3.66	1.72		6.3		.6	6		"
734	5-31	1148 / 1158	"	4.00	3.50	1.69		5.9		.6	6		"
735	6-7	1050 / 1058	"	4.04	3.66	1.67		6.1		.6	6		"
736	6-14	1000 / 1008	"	3.94	3.28	1.34		4.4		.6	6		"
737	6-21	1025 / 1033	"	4.04	3.74	1.28		4.8		.6	6		"
738	6-28	1030 / 1038	WADDICOR BRUINGTON - MILLS	4.04	3.66	1.17		4.3		.6	6		"
739	7-5	1000 / 1007	WADDICOR	4.04	3.66	1.28		4.7		.6	6		"
740	7-12	1010 / 1018	"	4.14	4.06	1.08		4.4		.6	6		"
741	7-18	1026 / 1034	BONADIMAN	3.92	3.18	1.13		3.6		.6	6		FC46
742	7-25	1020 / 1028	"	4.12	3.98	1.16		4.6		.6	6		"
743	8-2	1018 / 1024	WADDICOR	4.20	4.32	1.11		4.8		.6	6		FC37
744	8-9	0955 / 1003	"	4.04	3.66	1.07		3.9		.6	6		"
745	8-16	0952 / 1000	"	4.14	4.06	0.96		3.9		.6	6		"
746	8-23	0942 / 0950	"	4.12	3.98	0.98		3.9		.6	6		"
747	8-30	1030 / 1038	"	4.14	4.06	0.91		3.7		.6	6		"
748	9-5	1010 / 1018	"	4.18	4.24	0.90		3.8		.6	6		"
749	9-12	0940 / 0948	R.A. WADDICOR - R.E. WADDICOR	4.30	4.74	0.86		4.1		.6	6		"
750	9-20	1020 / 1028	WADDICOR	4.16	4.16	0.75		3.1		.6	8		"
751	9-27	1012 / 1020	"	4.30	4.84	0.77		3.7		.6	6		"

Factor "O"
DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER F86-S

below Standefer Ditch DURING THE YEAR ENDING SEPTEMBER 30, 19 50

NO.	DATE	BEGIN / END	MADE 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.
647	10-6	1118 / 1128	WADDICOR - LINDSAY	10.2	4.97	1.17		5.8		.6	9		FC37
648	10-13	0945 / 0955	WADDICOR	10.9	5.64	1.28		7.2		.6	8		"
649	10-20	1020 / 1030	"	10.5	5.88	1.27		7.5		.6	7		"
650	10-27	1020 / 1030	"	10.8	6.30	1.32		8.3		.6	8		"
651	11-3	1010 / 1020	"	10.6	5.79	1.21		7.0		.6	8		"
652	11-17	1040 / 1050	"	16.0	13.2	0.99		13.1		.6	8		"
653	11-23	1030 / 1040	"	14.0	10.6	0.96		10.2		.6	7		"
654	12-1	1020 / 1030	"	12.5	9.07	0.91		8.3		.6	7		"
655	12-15	1053 / 1107	WADDICOR - SPENCER	22.0	22.0	1.20		26.4		.6	12		"
656	12-22	1010 / 1030	REINHARD - WADDICOR	20.5	30.5	0.85		26.1		.6	11		"
657	12-29	1010 / 1020	WADDICOR	15.0	17.7	1.40		24.7		.6	10		"
658	1-5	1015 / 1025	"	16.2	18.3	1.42		26.0		.6	9		"
659	1-19	1010 / 1028	"	TWO CHANNELS				25.2		.6	14		"
660	1-26	0955 / 1005	"	"	"			24.0		.6	15		"
661	2-2	1038 / 1048	"	"	"			23.1		.6	14		"
662	2-9	1000 / 1010	"	22.0	11.3	2.43		27.2		.6	8		"
663	2-16	1020 / 1030	"	17.0	11.3	2.55		28.8		.6	8		"
664	2-23	1045 / 1055	"	23.0	19.9	1.38		27.4		.6	10		"
665	3-2	1047 / 1103	WADDICOR - BROWN	TWO CHANNELS				29.3		.6	15		"
666	3-9	0958 / 1013	WADDICOR	"	"			28.8		.6	15		"
667	3-16	0955 / 1010	"	"	"			25.4		.6	12		"
668	3-23	1015 / 1037	"	THREE CHANNELS				22.5		.6	15		"
669	3-30	1000 / 1022	"	"	"			24.2		.6	17		"
670	4-6	1015	"	"	"			24.0		EST.			"
671	4-13	1000 / 1012	"	16.5	15.5	1.03		15.9		.6	9		"
672	4-20	1000 / 1012	"	14.3	7.29	1.80		13.1		.6	9		"
673	4-27	0937 / 0950	WADDICOR - ISOM	17.0	18.0	0.90		16.2		.6	9		"
674	5-4	1030 / 1045	WADDICOR	18.0	12.8	1.36		17.4		.6	10		"
675	5-7	0950 / 1010	"	11.0	7.02	2.56		18.0*		.6	11		"
676	5-11	1045 / 1057	"	13.4	11.5	1.76		20.2*		.6	9		"
677	5-17	1110 / 1120	BONADIMAN	12.0	9.55	1.97		18.8*		.6	8		FC46
678	5-24	1050 / 1105	"	12.0	8.96	2.17		19.5*		.6	9		"
679	5-31	1010 / 1022	"	12.0	8.18	2.12		17.3*		.6	9		"
680	6-7	1010 / 1026	"	12.0	8.71	2.14		18.6*		.6	9		"
681	6-14	1020 / 1032	"	13.5	11.7	1.35		15.8*		.6	9		"
682	6-21	1026 / 1040	"	13.5	10.4	1.41		14.7*		.6	10		"
683	6-28	1000 / 1024	"	13.0	10.1	1.48		14.9*		.6	10		"
684	7-5	1020 / 1032	"	13.3	11.1	1.14		12.7*		.6	9		"
685	7-12	1000 / 1014	"	11.5	7.92	2.07		16.4*		.6	8		"
686	7-19	1000 / 1014	"	14.5	12.8	1.16		19.9*		.6	9		"
687	7-26	0952 / 1006	"	13.0	10.2	1.69		17.2*		.6	9		"
688	8-2	1020 / 1034	"	12.5	8.36	1.82		15.2*		.6	9		"
689	8-9	1000 / 1016	"	16.5	9.81	0.87		8.5		.6	8		FC19
690	8-16	1325 / 1340	"	16.0	8.56	0.84		7.4		.6	10		FC46
691	8-23	1100 / 1112	"	17.0	10.6	0.80		8.5		.6	10		FC19
692	8-30	1100 / 1114	"	18.5	13.3	0.83		11.1		.6	9		"
693	9-6	1035 / 1045	WADDICOR	14.0	8.30	1.13		9.4		.6	9		FC37
694	9-13	0955 / 1005	"	13.0	7.93	1.10		8.7		.6	9		"
695	9-20	1030 / 1040	"	13.0	7.78	1.18		9.2		.6	8		"
696	9-27	1050 / 1104	BONADIMAN	19.0	9.26	0.82		7.6		.6	9		FC19

*MEASURED ABOVE STANDEFER DITCH.

Factor "Q"
DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER F

below Standefer Ditch DURING THE YEAR ENDING SEPTEMBER 30,

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.		METER NO.
697	10-4	1140 / 1152	BONADIMAN	14.0	7.1	0.90		6.4		.6	9		
698	10-11	1050 / 1102	THOMAS - BONADIMAN	13.5	7.36	0.99		7.3		.6	10		"
699	10-18	1050 / 1102	BONADIMAN	12.5	6.36	0.94		6.0		.6	9		FC46
700	10-25	1026 / 1040	"	13.0	7.67	1.08		8.3		.6	10		"
701	11-2	1030 / 1040	WADDICOR	8.5	3.49	1.89		6.6		.6	8		FC37
702	11-9	1005 / 1015	"	12.4	6.21	1.08		6.7		.6	10		"
703	11-16	1020 / 1030	"	12.3	8.28	1.20		9.9		.6	10		"
704	11-24	0910 / 0920	"	13.5	14.6	1.19		17.4		.6	9		"
705	11-30	1030 / 1040	"	11.5	19.2	0.94		18.0		.6	9		"
706	12-7	1008 / 1018	"	14.0	22.1	0.80		17.8		.6	10		"
707	12-14	1055 / 1105	"	11.3	23.3	0.64		14.8		.6	8		"
708	12-21	1015	"					15.0		EST.			
709	12-28	1100 / 1105	"	3.7	5.47	2.29		12.5		.6	5		FC37
710	1-4	1130 / 1150	WADDICOR - LINDSAY	24.7	25.7	0.89		23.0		.6	14		"
711	1-18	1305	WADDICOR					22.0		EST.			
712	1-25	1010 / 1030	"	24.8	35.1	0.85		30.0*		.6	11		FC37
713	2-1	1100 / 1115	WADDICOR - JORDAN	18.5	19.2	1.31		25.1		.6	12		"
714	2-8	1032 / 1042	WADDICOR	20.5	14.6	2.08		30.4		.6	11		"
715	2-15	1035 / 1055	HOLLERON - WADDICOR	20.7	11.4	2.58		29.4		.6	13		"
716	2-21	1002 / 1012	WADDICOR	14.0	8.92	2.12		18.9		.6	10		"
717	3-8	1015 / 1025	"	18.2	8.77	2.28		20.0		.6	10		"
718	3-15	0955 / 1005	"	18.3	7.55	2.05		15.5		.6	9		"
719	3-22	0955 / 1005	"	14.0	14.0	0.78		10.9		.6	10		"
720	3-28	1115 / 1125	"	13.8	7.33	1.64		12.0		.6	9		"
721	4-5	1015 / 1025	"	14.0	7.82	1.64		12.9		.6	9		"
722	4-11	1020 / 1030	"	13.0	6.64	1.60		10.6		.6	8		"
723	4-19	0940 / 0952	"	14.4	7.14	1.18		8.4		.6	10		"
724	4-26	1020 / 1030	"	14.0	7.01	1.31		9.2		.6	10		"
725	5-3	0950 / 1000	WADDICOR - BOBIK	14.0	7.48	1.43		10.7		.6	9		"
726	5-10	1012 / 1022	WADDICOR	13.5	6.41	1.34		8.6		.6	9		"
727	5-17	0920 / 0930	"	14.0	7.35	1.47		10.8		.6	9		"
728	5-24	1005 / 1015	"	12.7	5.53	1.36		7.5		.6	8		"
729	5-31	1210 / 1220	"	12.9	6.06	1.67		10.1		.6	8		"
730	6-7	1105 / 1115	"	13.0	4.61	1.51		7.0		.6	8		"
731	6-14	1015 / 1025	"	13.7	5.53	1.43		7.9		.6	10		"
732	6-21	1045 / 1055	"	12.0	5.08	1.20		6.1		.6	10		"
733	6-28	1043 / 1053	WADDICOR BRUINGTON - MILLS	14.0	6.25	1.17		7.3		.6	10		"
734	7-5	1020 / 1030	WADDICOR	12.6	5.01	1.54		7.7		.6	8		"
735	7-12	1025 / 1035	"	12.5	5.39	1.15		6.2		.6	10		"
736	7-18	1046 / 1056	BONADIMAN	13.0	4.70	0.94		4.4		.6	8		FC46
737	7-25	1040 / 1050	"	13.0	7.11	0.81		5.8		.6	8		"
738	8-2	1035 / 1045	WADDICOR	11.0	8.66	0.84		7.3		.6	9		FC37
739	8-9	1010 / 1020	"	11.5	6.20	0.73		4.5		.6	9		"
740	8-16	1010 / 1020	R.A. WADDICOR R.E. WADDICOR	11.5	7.01	0.68		4.8		.6	10		"
741	8-23	1000 / 1010	WADDICOR	10.7	7.11	0.66		4.7		.5	9		"
742	8-30	1105 / 1115	"	13.0	9.58	0.63		6.0		.6	8		"
743	9-5	1028 / 1038	"	10.3	7.25	0.57		4.1		.6	8		"
744	9-12	0955 / 1005	R.A. WADDICOR R.E. WADDICOR	10.0	8.11	0.58		4.7		.6	8		"
745	9-20	1033 / 1043	WADDICOR	6.5	5.77	0.66		3.8		.6	8		"
746	9-27	1025 / 1035	"	8.5	7.31	0.70		5.1		.6	10		"

*MEAS. MADE ABOVE STANDEFER DITCH

1	8-9	0922	BONADIMAN	3.0	0.75	1.04		0.78		.5	4		FC19
2	8-16	0954 / 1000	"	3.5	0.90	1.03		0.93		.5	4		FC46
3	8-23	1020 / 1027	"	3.5	1.09	0.80		0.87		.5	5		FC19
4	8-30	1000 / 1006	"	3.6	1.27	0.94		1.2		.6	4		"
5	9-6	0936 / 0944	WADDICOR	3.6	1.19	1.01		1.2		.5	4		FC37
6	9-13	0920 / 0928	"	3.2	1.06	1.41		1.5		.5	4		"
7	9-20	0952 / 0958	"	3.0	0.77	1.43		1.1		.5	4		"
8	9-27	1010 / 1018	BONADIMAN	3.4	1.27	1.02		1.3		.6	5		FC19

Factor "Q"
DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER - Discharge from State Fish Hatchery

AT Syphon Road DURING THE YEAR ENDING SEPTEMBER 30, 19 51

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.
9	10-4	1050 / 1058	BONADIMAN	3.2	1.21	1.16		1.4		.6	6		FC19
10	10-11	1006 / 1014	THOMAS - BONADIMAN	3.2	1.24	1.29		1.6		.6	6		"
11	10-18	1010 / 1018	BONADIMAN	3.5	1.26	1.03		1.3		.6	6		FC46
12	10-25	0950 / 0958	"	3.5	1.36	1.18		1.6		.6	6		"
13	11-2	0940 / 0947	WADDICOR	3.0	0.98	1.43		1.4		.5 .6	4		FC37
14	11-9	0930 / 0938	"	2.7	0.68	1.82		1.6		.5	5		"
15	11-16	0947 / 0953	"	2.8	1.12	1.78		2.0		.5	5		"
16	11-24	0840 / 0845	"	3.1	0.86	1.74		1.5		.6	5		"
17	11-30	0955 / 1003	"	2.9	1.08	2.04		2.2		.5	5		"
18	12-7	0930 / 0936	"	4.0	1.72	1.34		2.3		.5	5		"
19	12-14	0950 / 0957	"	3.5	1.39	1.22		1.7		.5	6		"
20	12-21	0935 / 0942	"	3.2	1.37	1.60		2.2		.5	5		"
21	12-28	0955	"	SHARP-CRESTED WEIR - 5.3 FT.			0.16	1.2		WEIR			
22	12-28	1010 / 1018	"	3.7	1.83	0.98		1.8		.5	6		FC37
23	1-4	1015	"				0.19	1.5		WEIR			
24	1-18	1146	"				0.16	1.2		"			
25	1-25	0945	"				0.16	1.2		"			
26	2-1	0950	"				0.19	1.5		"			
27	2-8	0945	"				0.16	1.2		"			
28	2-15	1004	"				0.19	1.5		"			
29	2-21	0940	"				0.19	1.5		"			
30	3-8	0955	"				0.19	1.5		"			
31	3-15	0922	"				0.19	1.5		"			
32	3-22	0937	"				0.19	1.5		"			
33	4-5	0928	"				0.19	1.5		"			
34	4-11	1000	"				0.19	1.5		"			
35	4-19	0920	"				0.19	1.5		"			
36	4-26	0940	"				0.19	1.5		"			
37	5-3	0925	"				0.19	1.5		"			
38	5-10	0950	"				0.19	1.5		"			
39	5-17	0900	"				0.19	1.5		"			
40	5-24	0940	"				0.19	1.5		"			
41	5-31	1120	"				0.19	1.5		"			
42	6-7	1040	"				0.19	1.5		"			
43	6-14	0945	"				0.16	1.2		"			
44	6-21	1003	"				0.16	1.2		"			
45	6-28	1010	"				0.19	1.5		"			
46	7-5	1022	"				0.19	1.5		"			
47	7-12	1002	"				0.19	1.5		"			
48	7-18	0930	BONADIMAN				0.19	1.5		"			
49	7-25	0920	"				0.16	1.2		"			
50	8-2	1008	WADDICOR				0.16	1.2		"			
51	8-9	0940	"				0.16	1.2		"			
52	8-16	0935	"				0.16	1.2		"			
53	8-23	0935	"				0.16	1.2		"			
54	8-30	1001	"				0.16	1.2		"			
55	9-5	0945	"				0.16	1.2		"			
56	9-12	0930	"				0.16	1.2		"			
57	9-20	1015	"				0.16	1.2		"			
58	9-27	1000	"				0.16	1.2		"			

F. C. Dist. Form 53 4-46

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 50

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	34.5	36.9	39.8	50.2	46.8	53.3	48.1	44.7	35.2	29.6	30.8	29.0
2	34.2	36.8	39.8	50.6	46.5	53.3	47.8	44.7	35.5	29.0	30.6	28.7
3	33.9	36.7	39.8	51.1	48.1	53.2	47.5	44.8	35.7	28.4	29.8	28.4
4	33.6	36.7	39.9	51.6	49.6	53.2	47.2	44.8	36.0	27.8	29.1	28.1
5	33.4	36.7	39.9	52.1	51.2	53.1	47.0	44.2	36.2	27.2	28.3	27.8
6	33.1	36.7	39.9	52.2	52.8	53.0	46.7	43.6	36.5	27.9	27.5	27.5
7	33.5	36.8	40.0	52.4	54.4	52.9	46.3	43.0	36.7	28.7	26.7	27.3
8	34.0	36.8	40.0	52.5	55.9	52.9	45.9	42.5	36.1	29.4	26.0	27.2
9	34.4	36.8	41.4	52.6	57.5	52.8	45.5	41.9	35.5	30.1	25.2	27.0
10	34.8	36.8	42.8	52.7	57.2	52.2	45.1	41.3	35.9	30.8	25.2	26.9
11	35.2	37.1	44.2	52.9	56.9	51.6	44.6	40.7	34.4	31.6	25.1	26.7
12	35.7	37.4	45.6	53.0	56.6	51.0	44.2	40.1	33.8	32.3	25.1	26.6
13	36.1	37.7	47.0	52.9	56.4	50.4	43.8	39.5	33.2	32.7	25.1	26.4
14	36.5	37.9	48.4	52.8	56.1	49.8	43.5	38.9	32.6	33.1	25.1	26.6
15	37.0	38.2	49.8	52.7	55.8	49.2	43.3	38.4	32.5	33.5	25.1	26.7
16	37.4	38.5	50.1	52.6	55.5	48.6	43.0	37.8	32.4	33.8	25.0	26.9
17	37.8	38.8	50.5	52.5	55.2	48.3	42.8	37.2	32.3	34.2	25.2	27.1
18	38.2	39.8	50.8	52.4	54.9	48.0	42.5	37.3	32.3	34.6	25.3	27.3
19	38.7	40.8	51.2	52.3	54.6	47.7	42.3	37.3	32.2	35.0	25.5	27.4
20	39.1	41.8	51.5	51.8	54.4	47.3	42.0	37.4	32.1	34.6	25.6	27.6
21	38.9	42.8	51.9	51.3	54.1	47.0	42.4	37.5	32.0	34.2	25.8	27.1
22	38.6	43.8	52.2	50.8	53.8	46.7	42.7	37.6	31.9	33.8	25.9	26.6
23	38.4	44.8	51.7	50.4	53.5	46.4	43.1	37.6	31.8	33.4	26.1	26.1
24	38.1	44.2	51.2	49.9	53.5	46.7	43.4	37.7	31.7	33.0	26.6	25.7
25	37.9	43.6	50.7	49.4	53.4	47.0	43.8	37.3	31.7	32.6	27.1	25.2
26	37.6	42.9	50.2	48.9	53.4	47.3	44.1	36.9	31.6	32.2	27.6	24.7
27	37.4	42.3	49.7	48.6	53.4	47.7	44.5	36.5	31.5	32.0	28.1	24.2
28	37.3	41.7	49.2	48.2	53.4	48.0	44.5	36.2	31.4	31.7	28.6	24.4
29	37.2	41.0	48.7	47.9		48.3	44.6	35.8	30.8	31.5	29.1	24.6
30	37.1	40.4	49.2	47.5		48.6	44.6	35.4	30.2	31.3	29.6	24.8
31	37.0		49.7	47.2		48.3		35.0		31.1	29.3	
	1126.6	1183.2	1446.8	1584.0	1504.9	1543.8	1336.8	1223.6	1001.7	981.1	835.1	800.6
MEAN	36.3	39.4	46.7	51.1	53.7	49.8	44.6	39.5	33.4	31.6	26.9	26.7
ACRE-FEET	2230.	2350.	2870.	3140.	2980.	3060.	2650.	2430.	1990.	1950.	1660.	1590.

Remarks:

YEAR OR PERIOD MEAN 39.9
ACRE-FEET 28,900.

75D714M F. C. Dist. 52 9-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

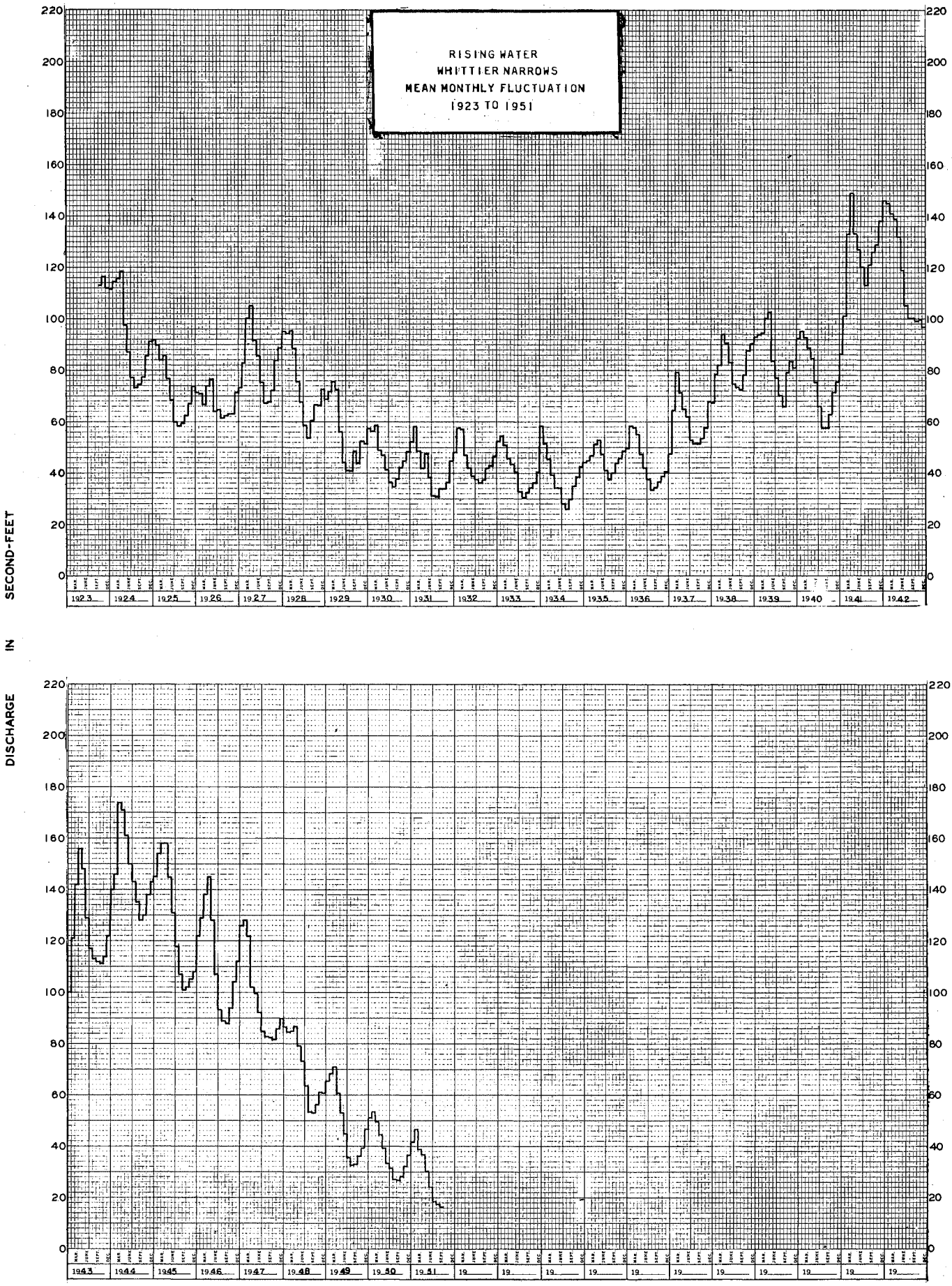
Sta. No._____

Daily discharge, in second-feet of RISING WATER at Whittier Narrows, for the year ending September 30, 19 51

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	25.0	31.0	33.5	36.1	47.5	48.0	37.0	34.9	28.8	21.1	19.1	18.7
2	25.2	31.1	33.3	36.4	47.7	47.5	37.8	34.4	28.6	21.0	19.3	18.3
3	25.4	30.8	33.2	36.8	47.9	47.0	38.6	33.9	28.5	20.8	18.8	17.9
4	25.6	30.4	33.0	37.1	48.1	46.5	39.3	33.3	28.3	20.6	18.3	17.4
5	26.1	30.0	32.8	37.4	48.4	45.9	40.0	32.8	28.1	20.5	17.8	17.0
6	26.5	29.6	32.6	37.6	48.6	45.4	39.7	32.2	27.9	20.3	17.4	17.0
7	27.0	29.2	32.4	37.9	48.8	44.9	39.3	31.6	27.7	20.2	16.9	17.0
8	27.5	28.9	33.4	38.2	49.0	44.4	39.0	31.0	27.0	20.0	16.4	17.0
9	28.0	28.6	34.4	38.5	48.4	43.2	38.6	30.5	26.3	19.9	15.9	16.9
10	28.4	29.2	35.5	38.7	47.8	42.0	38.2	29.9	25.6	29.7	16.0	16.9
11	28.9	29.8	36.6	39.0	47.2	40.8	37.9	30.0	24.8	19.6	16.1	16.9
12	28.6	30.4	37.7	39.4	46.5	39.6	37.3	30.1	24.1	19.4	16.2	16.9
13	28.3	30.9	38.8	39.8	45.9	38.4	36.7	30.2	23.4	18.8	16.3	16.6
14	28.0	31.5	39.8	40.2	45.3	37.2	36.1	30.3	22.7	18.1	16.4	16.3
15	27.6	32.1	39.8	40.7	44.7	36.0	35.5	30.4	22.6	17.5	16.5	16.0
16	27.3	32.7	39.8	41.1	44.5	35.7	34.9	30.5	22.4	16.9	16.6	15.7
17	27.0	33.0	39.8	41.5	44.3	35.5	34.3	30.6	22.3	16.2	16.7	15.3
18	26.7	33.3	39.9	41.9	44.0	35.2	33.7	30.1	22.1	15.6	16.8	15.0
19	27.2	33.7	39.9	42.7	43.8	35.0	33.1	29.5	22.0	15.9	17.0	14.7
20	27.8	34.1	39.9	43.4	43.6	34.7	33.7	29.0	21.8	16.3	17.1	14.4
21	28.3	34.4	39.9	44.2	43.4	34.5	34.3	28.4	21.7	16.6	17.2	14.7
22	28.8	34.7	39.2	44.9	43.9	34.2	34.9	27.9	21.7	16.9	17.3	14.9
23	29.3	35.0	38.4	45.7	44.5	34.2	35.5	27.3	21.6	17.2	17.4	15.2
24	29.9	35.3	37.7	46.4	45.1	34.1	36.1	26.8	21.6	17.6	17.7	15.5
25	30.4	35.1	37.0	47.2	45.7	34.0	36.8	27.1	21.6	17.9	18.0	15.8
26	30.5	34.8	36.3	47.2	46.3	34.0	37.4	27.4	21.6	18.1	18.3	16.0
27	30.6	34.5	35.5	47.3	46.9	34.0	36.9	27.7	21.5	18.2	18.7	16.3
28	30.7	34.2	34.8	47.3	47.5	33.9	36.4	28.1	21.5	18.4	19.0	16.2
29	30.7	33.9	35.1	47.4		34.6	35.9	28.4	21.4	18.6	19.3	16.0
30	30.8	33.7	35.5	47.4		35.4	35.4	28.7	21.2	18.8	19.6	15.9
31	30.9		35.8	47.5		36.2		29.0		19.0	19.2	
	873.0	965.9	1131.3	1296.9	1295.3	1202.0	1100.3	932.0	720.4	575.7	543.3	488.4
MEAN	28.2	32.2	36.5	41.8	46.3	38.8	36.7	30.1	24.0	18.6	17.5	16.3
ACRE-FEET	1730.	1920.	2240.	2570.	2570.	2380.	2180.	1850.	1430.	1140.	1080.	969.

Remarks:

YEAR OR PERIOD MEAN 30.5
ACRE-FEET 22,060.


RISING WATER
WHITTIER NARROWS
MEAN MONTHLY FLUCTUATION
1923 TO 1951
DISCHARGE IN SECOND-FEET
220
200
180
160
140
120
100
80
60
40
20
0
1923
1924
1925
1926
1927
1928
1929
1930
1931
1932
1933
1934
1935
1936
1937
1938
1939
1940
1941
1942
1943
1944
1945
1946
1947
1948
1949
1950
1951

MISCELLANEOUS STATIONS

DISCHARGE MEASUREMENTS OF BALLONA CREEK DRAINAGE AREA

AT ~~NEAR~~ Miscellaneous Points DURING THE YEAR ENDING SEPTEMBER 30, 19 50

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			BALLONA CREEK at Jackson Avenue										
352	10-6	0915 / 0940	REINHARD - BOLLINGER	12.0	6.26	1.09		6.8		.6	12		FC6
353	10-13	1435 / 1444	BOLLINGER - LINDSAY	9.5	8.03	1.66		13.3		.6	8		"
354	10-20	1250 / 1302	BOLLINGER	10.5	6.78	0.94		6.4		.6	10		"
355	10-27	1228 / 1243	"	10.7	7.42	0.71		5.3		.6	10		"
356	11-3	1607 / 1617	"	11.0	10.2	1.03		10.5		.6	9		"
357	11-17	0942 / 0954	"	11.5	3.83	1.33		5.1		.6	9		"
358	11-23	1235 / 1247	"	11.0	4.85	1.03		5.0		.6	10		"
359	12-1	1100 / 1113	"	TWO CHANNELS				5.2		.6	12		"
360	12-16	1335 / 1347	"	9.5	8.15	1.14		9.3		.6	8		"
361	12-22	1106 / 1122	"	13.3	6.94	0.85		5.9		.6	11		"
362	12-29	1000 / 1017	"	13.0	6.34	0.77		4.9		.6	11		"
363	1-5	1430 / 1443	"	12.7	7.54	1.09		8.2		.6	10		"
364	1-19	1437 / 1457	"	14.6	8.60	1.20		10.3		.6	13		"
365	1-26	1125 / 1143	"	13.2	6.58	0.73		4.8		.6	11		"
366	2-2	1113 / 1125	"	11.0	7.15	1.26		9.0		.6	10		"
367	2-9	0940 / 0953	"	16.5	5.48	0.98		5.4		.6	12		"
368	2-16	1040 / 1055	"	31.0	3.65	1.31		4.8		.5	8		"
369	2-23	1057 / 1110	"	31.0	4.85	1.20		5.8		.5	8		"
370	3-2	1109 / 1122	"	29.0	26.4	0.78		20.6		.6	16		"
371	3-9	1010 / 1022	"	13.0	10.2	0.43		4.4		.6	8		"
372	3-16	1455 / 1515	"	12.5	10.8	0.77		8.3		.6	12		"
373	3-23	1213 / 1226	"	10.0	5.62	0.85		4.8		.6	9		"
374	3-30	1307 / 1322	"	13.6	11.2	0.91		10.2		.6	11		"
375	4-6	1135 / 1145	"	30.5	3.45	0.90		3.1		.5	7		"
376	4-13	1145 / 1158	"	33.0	4.12	0.78		3.2		.5	8		"
377	4-20	0850 / 0902	"	31.5	4.45	1.03		4.6		.5	7		"
378	4-27	1250 / 1304	"	27.0	9.66	0.58		5.6		.6	10		"
379	5-4	1625 / 1640	"	29.5	11.0	0.81		8.9		.6	11		"
380	5-11	1557 / 1612	"	33.5	12.6	0.91		11.4		.6	11		"
381	5-18	1530 / 1545	"	23.0	10.2	0.84		8.6		.6	11		"
382	5-25	1645 / 1700	"	34.0	14.5	0.61		8.8		.6	12		"
383	5-31	1110 / 1120	BLAKELY	15.0	6.48	1.11		7.2		.5	7		FC35
384	6-7	1132 / 1140	"	TWO CHANNELS				4.6		.6	8		"
385	6-15	1555 / 1610	BOLLINGER	26.5	11.0	0.86		9.5		.6	11		FC5
386	6-22	1005 / 1017	"	11.0	6.42	0.84		5.4		.6	9		"
387	6-29	1100 / 1115	"	10.0	5.28	1.19		6.3		.6	10		"
388	7-7	1500 / 1517	"	10.0	6.98	1.66		11.6		.6	10		"
389	7-13	1535 / 1550	"	9.5	6.08	1.56		9.5		.6	10		"
390	7-20	1025 / 1040	"	9.5	6.67	1.59		10.6		.6	9		"
391	7-28	1546 / 1555	TURNER	12.0	9.20	0.96		8.8		.6	6		FC43
392	8-4	0955 / 1004	"	13.0	5.92	0.95		5.6		.6	7		"
393	8-10	1032 / 1044	BOLLINGER	8.2	4.59	1.37		6.3		.6	8		FC6
394	8-17	1020 / 1033	"	7.6	3.94	0.81		3.2		.6	8		"
395	8-24	1048 / 1058	"	TWO CHANNELS				5.5		.6	8		"
396	8-31	1040 / 1052	"	"	"			7.1		.6	8		"
397	9-7	1240 / 1252	"	"	"			11.0		.6	7		"
398	9-14	1055 / 1107	"	7.0	4.54	1.08		4.9		.6	8		"
399	9-21	1123 / 1135	"	7.3	5.50	0.85		4.7		.6	8		"
400	9-29	1122 / 1136	"	11.5	6.60	0.85		5.6		.6	11		"

DISCHARGE MEASUREMENTS OF BALLONA CREEK DRAINAGE AREA

AT ~~NEAR~~ Miscellaneous Points DURING THE YEAR ENDING SEPTEMBER 30, 19 51

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			BALLONA CREEK at Jackson Avenue										
401	10-4	1128 / 1155	LANG	33.0	5.59	0.75		4.2		.5	10		FC12
402	10-11	1241 / 1258	"	12.0	7.84	0.79		6.2		.6	12		"
403	10-19	1000 / 1016	BOLLINGER	21.0	7.62	0.75		5.7		.6	10		FC6
404	10-26	0900 / 0910	BOLLINGER - THOMAS	8.5	5.84	0.79		4.6		.6	8		"
405	11-2	0922 / 0940	BOLLINGER	18.8	6.78	0.68		4.6		.6	14		"
406	11-9	1000 / 1035	"	35.7	36.2	2.00		72.4		.6	25		"
407	11-16	1216 / 1250	"	40.7	40.8	1.98		80.6		.6	18		"
408	11-22	1113 / 1133	"	10.2	8.51	1.09		9.3		.6	16		"
409	11-30	1042 / 1103	"	13.3	11.5	1.50		17.3		.6	15		"
410	12-7	1040 / 1058	"	9.1	5.91	0.90		5.3		.6	14		"
411	12-15	1015 / 1040	LANG	11.9	7.98	1.09		8.7		.6	14		FC12
412	12-20	0907 / 0917	MOON	12.0	7.60	1.00		7.6		.6	8		FC22
413	12-28	1525 / 1540	BOLLINGER - THOMAS	16.0	18.1	1.44		26.1		.6	13		FC6
414	1-4	1055 / 1108	BOLLINGER	8.6	6.08	1.15		7.0		.6	12		"
415	1-11	0935 / 0945	BOLLINGER - BROWN	12.7	7.90	0.91		7.2		.6	12		"
416	1-18	0930 / 0950	BOLLINGER	12.6	7.05	0.74		5.2		.6	13		"
417	1-25	1215 / 1235	"	12.0	8.49	1.17		9.9		.6	13		"
418	2-1	1010 / 1025	"	11.0	3.85	0.88		3.4		.6	13		"
419	2-8	1037 / 1052	"	9.7	5.05	0.61		3.1		.6	11		"
420	2-15	1038 / 1051	"	11.6	3.93	0.69		2.7		.6	10		"
421	2-21	1315 / 1335	"	12.8	6.23	1.28		8.0		.6	15		"
422	3-8	1116 / 1127	"	8.1	3.11	0.93		2.9		.6	10		"
423	3-15	1054 / 1108	"	9.9	5.61	1.02		5.7		.6	12		"
424	3-28	1150 / 1200	"	7.5	4.06	0.81		3.3		.6	10		"
425	4-5	0926 / 0943	"	9.6	4.92	1.26		6.2		.6	12		"
426	4-11	0900 / 0916	"	8.1	3.96	1.21		4.8		.6	10		"
427	4-19	1018 / 1032	"	8.0	4.01	1.05		4.2		.6	11		"
428	4-26	1035 / 1050	"	9.2	5.16	1.24		6.4		.6	13		"
429	5-3	1108 / 1121	"	6.9	4.59	1.33		6.1		.6	10		"
430	5-10	1608 / 1630	"	23.7	18.3	1.55		28.3		.6	16		"
431	5-17	1010 / 1025	"	7.8	3.06	0.98		3.0		.6	12		"
432	5-24	1002 / 1017	"	10.2	6.34	0.85		5.4		.6	13		"
433	5-31	1020 / 1032	"	7.3	4.13	1.18		4.9		.6	10		"
434	6-7	0948 / 1004	"	10.0	7.23	0.76		5.5		.6	13		"
435	6-14	0940 / 0955	"	9.3	7.22	0.86		6.2		.6	12		"
436	6-21	0950 / 1007	"	6.7	4.36	1.33		5.8		.6	12		"
437	6-28	0950 / 1002	"	6.5	3.61	1.08		3.9		.6	11		"
438	7-5	1340 / 1355	"	6.4	5.06	1.64		8.3		.6	11		"
439	7-12	0945 / 1000	"	6.3	4.59	1.26		5.8		.6	11		"
440	7-19	0942 / 0956	"	6.2	4.51	1.18		5.3		.6	12		"
441	7-27	0922 / 0936	"	6.0	5.37	1.38		7.4		.6	11		"
442	8-2	0945 / 1007	THOMAS	13.0	9.93	0.79		7.8		.6	12		FC42
443	8-9	1730 / 1750	"	11.5	8.27	1.21		10.0		.6	10		"
444	8-16	0955 / 1010	BOLLINGER	6.0	4.42	1.42		6.3		.6	11		FC6
445	8-23	1017 / 1030	"	5.8	4.18	1.39		5.8		.6	10		"
446	8-30	1110 / 1124	"	6.2	3.68	1.17		4.3		.6	11		"
447	9-6	1042 / 1053	"	COMPOSITE MEAS.				7.0		.6	9		"
448	9-13	1025 / 1038	"	6.6	4.05	1.46		5.9		.6	10		"
449	9-20	0958 / 1010	"	6.9	4.15	1.37		5.7		.6	10		"
450	9-27	1047 / 1100	"	7.1	6.56	2.04		13.4		.6	10		"

DISCHARGE MEASUREMENTS OF BALLONA CREEK DRAINAGE AREA

AT NEAR Miscellaneous Points DURING THE YEAR ENDING SEPTEMBER 30, 19 51

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			SAWTELLE-WESTWOOD CHANNEL above Ballona Creek										
1	3-28	1358 / 1405	BOLLINGER	3.2	0.56	1.59		0.89		.5	7		FC6
2	4-5	1218 / 1234	"	8.0	1.27	0.63		0.81		SURF.	10		"
3	4-11	1135 / 1141	"	2.0	0.53	1.70		0.90		.5	5		"
4	4-19	1243 / 1246	"	0.8	0.15	0.80		0.12		.5	3		"
5	5-3	1418 / 1423	"	1.2	0.22	1.50		0.33		.5	3		"
6	5-17	1348 / 1355	"	1.7	0.32	1.34		0.43		.5	4		"
7	5-24	1210 / 1215	"	1.5	0.35	1.37		0.48		.5	4		"
8	5-31	1240 / 1245	"	1.5	0.29	1.41		0.41		.5	4		"
9	6-7	1210 / 1217	"	2.0	0.50	1.68		0.84		.5	5		"
10	6-14	1133 / 1138	"	1.5	0.31	1.35		0.42		.5	4		"
11	6-21	1135 / 1145	"	4.5	1.63	1.72		2.8		.5	7		"

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER DRAINAGE AREA

AT NEAR Miscellaneous Points DURING THE YEAR ENDING SEPTEMBER 30, 19 50

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			PACOIMA CREEK above Pacoima Dam										
43	1-25	0906 / 0915	TURNER	7.2	3.47	0.69		2.4		.6	7		FC43
44	2-8	0936 / 0945	"	17.3	10.4	1.32		13.7		.6	9		"
45	2-15	0856 / 0905	"	12.3	6.81	0.98		6.7		.6	8		"
46	2-24	0851 / 0900	"	7.5	3.62	1.10		4.0		.6	8		"
47	3-2	0930 / 0939	"	7.3	3.46	0.90		3.1		.6	7		"
48	3-9	1145 / 1151	"	7.3	3.00	0.67		2.0		.6	7		"
49	3-15	1034 / 1040	"	7.3	2.88	0.59		1.7		.6	7		"
50	3-23	0900 / 0906	"	7.3	2.64	0.49		1.3		.6	7		"
51	3-30	1000 / 1009	"	8.3	3.74	0.86		3.2		.6	8		"
52	4-6	0936 / 0945	"	7.2	2.79	0.72		2.0		.6	7		"
53	4-12	1545 / 1554	"	7.6	4.73	1.54		7.3		.6	8		FC30
54	4-19	1041 / 1050	"	6.6	3.25	1.20		3.9		.6	7		FC43
55	4-26	0941 / 0950	"	6.7	3.03	1.02		3.1		.6	7		"
56	5-4	0905 / 0914	"	6.7	2.79	0.90		2.5		.6	7		"
57	5-11	0934 / 0940	"	6.7	2.22	0.59		1.3		.5	7		"
58	6-1	0850 / 0856	"	3.8	1.12	0.57		0.64		.5	4		"
59	6-16	0825 / 0831	"	3.6	0.97	0.52		0.50		.5	4		"
60	7-21	0904 / 0907	"	0.8	0.11	0.91		0.10		.5	1		"
			PACOIMA CREEK below Pacoima Dam near Caretaker's House										
4	6-29	1710 / 1716	TURNER	4.0	1.53	2.36		3.6		.6	4		FC43
			BIG TUJUNGA CREEK: So. Calif. Water Company's Diversion										
3	10-5	1425 / 1431	TURNER	2.7	1.70	0.56		0.95		.6	4		FC43
4	4-26	1151 / 1157	"	3.2	1.01	0.55		0.56		.6	4		"
5	5-3	1525 / 1528	"	3.0	0.83	0.63		0.52		.6	4		"
6	5-17	0955 / 1001	"	3.3	1.13	0.66		0.75		.6	4		"
7	7-14	1024 / 1030	"	2.8	1.05	0.68		0.71		.6	6		"
8	7-26	0920 / 0926	"	2.8	1.07	0.65		0.70		.6	6		"
9	8-9	1439 / 1445	"	2.8	1.19	0.62		0.74		.6	5		"
10	8-23	1450 / 1456	"	2.8	1.21	0.64		0.78		.6	4		"
11	9-6	1630 / 1635	SPENCER	3.3	1.78	0.67		1.2		.5	5		FC23
12	9-20	1524 / 1536		3.2	1.94	0.57		1.1		.5	6		FC35
			BIG TUJUNGA CREEK: L.A.W.D. Diversion to Spreading Grounds										
5	5-3	1625 / 1631	TURNER	5.2	1.68	0.77		1.3		.5	6		FC43
6	5-17	1096 / 1045	"	5.5	1.79	0.78		1.4		.6	7		"
7	5-24	1526 / 1535	"	7.4	2.60	0.88		2.3		.6	8		"
8	6-1	1131 / 1140	"	6.9	2.22	0.86		1.9		.6	8		"
9	6-21	1506 / 1515	"	6.6	2.19	0.87		1.9		.6	7		"
10	7-5	1224 / 1230	"	5.0	2.20	0.96		2.1		.6	5		"
11	7-14	1111 / 1120	"	8.0	3.38	0.83		2.8		.6	8		"
12	7-26	0951 / 1000	"	7.5	3.25	0.71		2.3		.6	9		"
13	8-9	1506 / 1515	"	6.8	2.42	0.74		1.8		.6	7		"
14	8-23	1521 / 1530	"	6.8	2.50	0.72		1.8		.6	7		"
15	9-6	1700 / 1710	SPENCER	4.6	1.98	1.26		2.5		.5	6		FC23
16	9-20	1612 / 1624	"	4.0	1.84	1.58		2.9		.5	5		FC35
			LOS ANGELES RIVER above Victory Boulevard										
9	10-6	1138 / 1148	BLAKELY	14.0	8.34	0.80		6.7		.6	9		FC35
10	10-20	1204 / 1214	REINHARD - BLAKELY	13.0	6.88	0.55		3.8		.6	8		"
11	11-3	1210 / 1218	BLAKELY	12.7	7.54	0.65		4.9		.6	7		"
12	12-1	1220 / 1230	"	13.0	7.77	0.58		4.5		.6	8		"
13	1-5	1358 / 1406	"	11.0	4.88	0.96		4.7		.5 .6	7		"
14	3-23	1222 / 1230	"	14.0	14.0	0.39		5.5		.6	7		"
15	4-6	1324 / 1332	"	18.0	7.44	0.58		4.3		.5	6		"
16	4-20	1231 / 1239	"	19.0	12.2	0.99		12.1		.6	10		"
17	5-18	1525 / 1533	"	14.0	5.00	0.82		4.1		.5	7		"
18	6-14	1321 / 1330	TURNER	12.0	5.08	0.69		3.5		.6	9		FC43
19	8-17	1210 / 1222	LANG	4.3	3.46	0.87		3.0		.6	6		FC12
20	8-31	1315 / 1330	"	4.0	3.80	1.03		3.9		.6	6		"
21	9-14	1300 / 1312	"	7.5	5.96	0.52		3.1		.6	7		"
			ARROYO SECO below Millard Canyon										
61	12-19	1028 / 1043	MOON	TWO CHANNELS				41.1		.6	8		FC22
			ARROYO SECO below Devils Gate Dam										
123	2-16	0945 / 0947	MOON	1.0	0.05	1.20		0.06		FLOATS	2		
124	7-5	1300 / 1330	STUNDEN	9.0	1.21	4.55		5.5		.5	9		FC36
125	7-6	0820 / 0826	"	5.5	1.20	1.75		2.1		.5	6		"
126	7-6	0925 / 0935	"	7.5	1.77	3.50		6.2		.5	8		"
127	7-7	0810 / 0820	"	5.5	3.15	2.06		6.5		.5 .6	6		"
128	7-8	0930 / 0935	"	4.0	1.99	1.66		3.3		.5	5		"
129	7-8	0945 / 0955	"	6.0	1.63	2.58		4.2		.5	6		"
130	9-18	1550 / 1557	MOON	6.0	1.45	1.93		2.8		.5	5		FC22
131	9-18	1618 / 1625	"	6.0	1.55	1.87		2.9		.5	5		"
132	9-18	1705 / 1711	"	6.0	2.05	2.54		5.2		.5	5		"
133	9-18	1737 / 1744	"	10.0	2.68	3.84		10.3		.5	5		"

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER DRAINAGE AREA

AT Miscellaneous Points DURING THE YEAR ENDING SEPTEMBER 30, 19 51

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. BKD. NO.	D. HT. CHANGE TOTAL	METER NO.
			PACOIMA CREEK above Pacoima Dam										
61	1-16	1400 / 1406	TURNER	2.0	0.56	0.50		0.28		.5	5		FC43
62	1-30	1355 / 1401	"	2.0	0.63	0.68		0.43		.6	5		"
63	3-2	1400 / 1403	"	1.6	0.44	0.61		0.27		.6	3		"
64	4-17	1342 / 1345	"	1.6	0.29	0.31		0.09		.5	3		"
65	5-3	1522 / 1525	"	1.6	0.34	0.47		0.16		.5	3		"
			BIG TUJUNGA CREEK above Wildwood Diversion										
1	5-22	1439 / 1445	TURNER	3.8	0.79	1.11		0.88		.6	7		FC43
2	5-25	1800 / 806	"	9.0	5.09	0.80		4.1		.6	7		"
3	5-28	1049 / 1055	"	6.5	3.25	1.23		4.0		.6	8		"
4	5-31	0830 / 0839	"	TWO CHANNELS				3.7		.6	9		"
5	6-6	0850 / 0859	"	5.5	3.48	1.03		3.6		.6	7		"
6	6-12	0830 / 0839	"	4.0	1.52	0.86		1.3		.6	7		"
7	6-20	0836 / 0845	"	5.0	1.46	0.96		1.4		.6	7		"
8	6-27	0900 / 0906	"	3.8	1.53	0.78		1.2		.6	6		"
9	7-5	1329 / 1335	"	4.0	0.62	0.90		0.56		.5	7		"
10	8-23	1554 / 1600	"	3.5	0.90	0.88		0.79		.5	6		"
			BIG TUJUNGA CREEK - Wildwood Diversion										
1	5-22	1424 / 1430	TURNER	2.5	0.83	0.92		0.76		.6	5		FC43
2	5-28	1034 / 1040	"	3.7	1.38	1.23		1.7		.6	5		"
			BIG TUJUNGA CREEK: So. Calif. Water Company's Diversion										
13	10-4	1030 / 1035	STUNDEN	3.0	1.38	1.16		1.6		.5	5		FC36
14	10-11	0950 / 0955	"	2.8	1.08	1.11		1.2		.5	5		"
15	10-19	1059 / 1105	TURNER	2.8	1.19	0.59		0.70		.6	5		FC43
16	11-2	1009 / 1015	"	2.9	1.53	0.72		1.1		.6	5		"
17	11-16	0945 / 0951	"	3.0	1.49	0.74		1.1		.6	5		"
18	1-24	1447 / 1450	"	2.5	0.68	0.65		0.44		.6	5		"
19	4-18	1524 / 1530	"	3.6	1.19	0.73		0.87		.6	6		"
20	5-18	0835 / 0841	"	2.9	2.12	0.32		0.68		.6	6		"
21	5-22	1454 / 1500	"	3.6	0.68	0.78		0.53		.6	6		"
22	5-25	1649 / 1655	"	3.0	1.96	0.36		0.71		.6	6		"
23	5-28	1125 / 1131	"	3.6	3.75	0.43		1.6		.6	5		"
24	6-6	1119 / 1125	"	3.3	3.16	0.60		1.9		.6	5		"
25	6-12	0954 / 1000	"	3.2	2.63	0.57		1.5		.6	5		"
26	6-20	1009 / 1015	"	3.2	2.46	0.49		1.2		.6	5		"
27	6-27	1029 / 1035	"	3.1	2.33	0.56		1.3		.6	5		"
28	7-5	1459 / 1505	"	3.2	2.59	0.34		0.89		.6	5		"
29	7-12	1505 / 1515	THOMAS	3.2	0.81	0.80		0.65		.5	7		FC42
30	7-19	1550 / 1556	TURNER	3.5	0.54	0.81		0.44		.5	6		FC43
31	7-25	1114 / 1120	"	2.7	0.48	1.02		0.49		.5	5		"
32	8-2	0904 / 0910	"	1.2	0.46	0.91		0.42		.6	3		"
			BIG TUJUNGA CREEK: L.A.W.D. Diversion to Spreading Grounds										
17	10-4	1110 / 1115	STUNDEN	4.0	1.57	1.15		1.8		.5	5		FC36
18	10-11	1020 / 1025	"	5.6	2.12	1.41		3.0		.5	7		"
19	10-19	1125 / 1135	TURNER - LINDSAY	7.0	3.25	0.62		2.0		.6	9		FC43
20	11-2	1035 / 1044	TURNER	6.5	3.58	0.81		2.9		.6	8		"
21	11-16	0856 / 0905	"	7.0	4.35	0.92		4.0		.6	9		"
22	11-29	1326 / 1335	"	7.8	3.17	0.76		2.4		.6	9		"
23	12-15	1439 / 1445	"	4.0	1.35	0.74		1.0		.6	6		"
24	1-24	1354 / 1400	"	7.0	2.34	0.68		1.6		.6	8		"
25	5-18	0909 / 0915	"	5.0	0.84	0.48		0.40		.5	6		"
26	5-24	0819 / 0825	"	2.6	0.52	0.62		0.32		.5	6		"
27	5-28	0949 / 0955	"	5.8	2.60	0.85		2.2		.6	8		"
28	5-31	1016 / 1025	"	5.2	1.97	0.81		1.6		.6	7		"
29	6-6	1154 / 1200	"	5.6	2.05	0.63		1.3		.6	7		"
30	6-12	1024 / 1030	"	2.3	0.63	0.78		0.49		.6	6		"
31	6-20	1029 / 1035	"	1.8	0.26	0.23		0.06		.5	4		"
			LOS ANGELES RIVER above Victory Boulevard										
22	10-5	1305 / 1325	THOMAS - LANG	11.5	5.84	0.62		3.6		.5	9		FC12
23	10-13	1230 / 1241	LANG	12.0	10.1	0.42		4.2		.6	8		"
24	10-19	1229 / 1248	"	TWO CHANNELS				4.4		.6	14		"
25	11-2	1405 / 1420	"	15.5	6.40	0.59		3.8		.5 .6	11		"
26	11-9	1225 / 1236	"	15.8	6.40	0.53		3.4		.5	9		"
27	11-16	1250 / 1305	"	20.3	12.2	1.03		12.5		.6	14		"
28	11-22	1230 / 1243	"	15.2	5.78	0.62		3.6		.5	11		"
29	11-30	1355 / 1410	"	11.2	7.74	0.47		3.6		.5 .6	11		"
30	12-7	1336 / 1350	"	8.1	3.86	1.22		4.7		.5	10		"
31	12-14	1306 / 1320	"	11.3	5.46	1.37		7.5		.6	9		"
32	12-21	1343 / 1357	"	11.0	7.27	1.75		12.7		.6	12		"
33	12-28	1248 / 1312	"	11.6	6.73	2.73		18.4		.6	14		"
34	1-4	1252 / 1305	THOMAS - LANG	13.6	9.18	2.79		25.6		.6	10		"
35	1-18	1252 / 1312	LANG	14.0	10.3	1.83		18.8		.6	15		"
36	1-25	1240 / 1254	"	14.6	9.88	1.44		14.2		.6	10		"
37	2-1	1330 / 1345	"	15.3	7.59	1.87		14.2		.6	12		"
38	2-8	1130 / 1146	"	17.2	7.89	1.91		15.1		.6	11		"
39	2-15	1220 / 1241	"	14.6	7.45	1.81		13.5		.6	12		"
40	2-21	1144 / 1201	"	14.7	7.02	1.75		13.2		.6	13		"
41	3-8	1245 / 1303	"	16.1	8.73	1.34		11.7		.6	12		"
42	3-15	1300 / 1321	"	13.5	8.07	1.51		12.2		.6	14		"
43	3-22	1251 / 1311	"	13.0	5.62	0.64		3.6		.6	13		"
44	3-29	1314 / 1331	"	13.0	6.11	0.64		3.9		.6	13		"
45	4-5	1256 / 1316	"	14.9	5.12	0.84		4.3		.5 .6	15		"
46	4-19	1246 / 1300	LANG - MAILHOT	10.0	4.69	0.79		3.7		.5 .6	12		"
47	5-3	1300 / 1316	LANG	16.0	7.27	1.44		10.5		.6	13		"
48	5-9	1227 / 1242	"	5.1	2.82	1.35		3.8		.6	10		"
49	5-17	1220 / 1232	"	7.0	4.61	0.98		4.5		.6	9		"
50	5-24	1300 / 1312	"	7.0	2.22	1.44		3.2		.5 .6	9		"
51	5-31	1238 / 1252	"	6.9	2.39	1.55		3.7		.6	9		"
52	6-7	1445 / 1506	THOMAS	17.6	7.62	1.34		10.2		.5 .6	17		FC42
53	6-14	1213 / 1235	LANG	10.3	4.21	1.92		8.1		.6	12		FC12
54	6-21	1328 / 1338	BLAKELY	14.5	4.75	2.06		9.8		.5	9		FC24
55	7-6	1414 / 1422	"	14.0	4.18	1.34		5.6		.5	9		"
56	7-18	1315 / 1323	"	12.8	4.07	1.37		5.6		.5	9		"
57	8-2	1344 / 1352	"	11.9	3.49	1.60		5.6		.5	8		"
58	8-16	1438 / 1446	"	12.0	3.12	1.44		4.5		.5	8		"
59	8-30	1515 / 1523	"	15.0	4.84	1.65		8.0		.5	8		"
60	9-13	1258 / 1306	"	14.0	3.87	1.39		5.4		.5	8		"
61	9-20	1130 / 1150	THOMAS	10.5	3.48	1.15		4.0		.5	11		FC42
62	9-27	1425 / 1433	BLAKELY	13.0	3.66	1.42		5.2		.5	8		FC24
			ARROYO SECO below Devils Gate Dam										
134	8-28	1200 / 1206	MOON	1.1	0.11	2.64		0.29		.5	4		FC22
135	8-30	0800 / 0802	"	1.0	0.22	1.41		0.31		.6	1		"
136	8-30	0840 / 0845	"	2.5	0.50	2.60		1.3		FLOATS	5		
137	8-31	1730 / 1735	MOON - STUNDEN	1.5	0.13	2.15		0.28		FLOATS	2		

DISCHARGE MEASUREMENTS OF RIO HONDO DRAINAGE AREA

AT Miscellaneous Points DURING THE YEAR ENDING SEPTEMBER 30, 19

NO.	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.
			SAWPIT CREEK below Sawpit Dam										
14	3-16	1050 / 1055	MOON					0.10		VOL.			
15	3-23	1130	"					0.08		"			
16	5-25	1045	"					0.06		"			
17	6-7		"					0.03		"			
18	6-30	1615 / 1620	"	2.4	0.62	1.61		1.0		.5	5		FC48H
			SANTA ANITA CREEK Three Cities Farms Diversion										
249	10-6	1000 / 1002	MOON	2.0	2.40	0.38		0.92		.6	2		FC22
250	10-13	0945 / 0947	"	2.0	2.64	0.36		0.95		.6	2		"
251	11-30	1145 / 1147	"	2.0	1.56	0.71		1.1		.6	2		"
252	12-8	1130 / 1133	MOON - LINDSAY	2.0	0.44	1.16		0.51		.6	2		"
253	12-15	0950 / 0952	MOON	2.0	0.36	1.08		0.39		.6	2		"
254	12-19	1240 / 1244	MOON - GUTIERREZ	2.0	0.34	1.44		0.49		.6	2		"
255	12-21	1000 / 1002	MOON	2.0	0.28	1.25		0.35		.6	2		"
256	12-28	0850 / 0852	"	2.0	1.56	0.71		1.1		.6	2		"
257	1-4	1510 / 1512	"	2.0	1.68	0.56		0.94		.6	2		"
258	1-26	0950 / 0952	"	2.0	1.52	0.72		1.1		.6	2		"
259	2-15	1140 / 1142	"	2.0	2.40	0.46		1.1		.6	2		"
260	2-24	1050 / 1052	"	2.0	1.50	0.59		0.89		.6	2		"
261	3-9	0927 / 0929	"	2.0	1.82	0.55		1.0		.6	2		"
262	3-16	0940 / 0942	MOON - PAYNE	2.0	0.36	1.28		0.46		.5	2		"
263	3-23	0930 / 0935	MOON - BROWN	2.0	0.80	1.16		0.93		.6	2		"
264	3-30	1215 / 1217	MOON	2.0	0.16	1.56		0.25		.5	2		"
265	4-6	1030 / 1032	"	2.0	0.56	1.30		0.73		.5	2		"
266	4-13	1000 / 1002	"	2.0	0.76	1.05		0.80		.5	2		"
267	4-19	1340 / 1342	"	2.0	0.36	1.75		0.63		.5	2		FC48H
268	4-27	0930 / 0932	"	2.0	0.36	1.67		0.60		.5	2		FC22
269	5-4	1145 / 1147	"	2.0	0.28	1.14		0.33		.5	2		"
270	5-11	1010 / 1012	"	2.0	1.50	0.63		0.94		.6	2		"
271	5-18	0945 / 0947	"	2.0	1.24	0.72		0.89		.6	2		FC48H
272	5-25	0950 / 0952	"	2.0	1.50	0.58		0.87		.6	2		FC22
273	6-1	1320 / 1322	"	2.0	0.70	1.06		0.74		.5	2		FC48H
274	6-8	1000 / 1002	"	2.0	1.12	0.71		0.79		.6	2		"
275	6-15	0940 / 0942	"	2.0	0.36	1.67		0.60		.5	2		"
276	6-21	1000 / 1002	"	2.0	1.00	0.82		0.82		.5	2		"
277	6-29	0950 / 0952	"	2.0	1.14	0.77		0.88		.6	2		"
278	7-5	1750 / 1755	STUNDEN	2.0	2.60	0.30		0.77		.6	2		FC36
279	7-13	0940 / 0945	"	2.0	2.60	0.16		0.43		.6	2		"
280	7-20	0940 / 0942	MOON	2.0	2.48	0.38		0.95		.6	2		FC48H
281	7-27	0945 / 0947	"	2.0	2.46	0.49		1.0		.6	2		"
282	8-3	0950 / 0952	"	2.0	1.78	0.56		1.0		.6	2		"
283	8-10	0945 / 0947	"	2.0	1.92	0.45		0.86		.6	2		"
284	8-17	0950 / 0952	"	2.0	1.98	0.46		0.91		.6	2		"
285	8-23	1520 / 1522	"	2.0	2.06	0.43		0.88		.6	2		"
286	8-31	0850 / 0852	"	2.0	2.48	0.34		0.84		.6	2		"
287	9-7	0955 / 0957	"	2.0	0.98	0.81		0.79		.5	2		"
288	9-14	1225 / 1227	"	2.0	1.90	0.48		0.91		.6	2		"
289	9-21	0945 / 0947	"	2.0	0.32	1.53		0.49		.5	2		"
290	9-28	1009 / 1012	"	2.0	1.20	0.70		0.84		.6	2		FC22
			SANTA ANITA CREEK above Clamshell										
155	12-19	1315 / 1330	MOON - GUTIERREZ	TWO CHANNELS				14.8		.6	10		FC22
156	12-19	1555 / 1615	"	"	"			25.1		.6	13		"
157	12-21	0930 / 0945	MOON	"	"			22.8		.6	12		"
158	1-12	1612 / 1627	"	"	"			10.4		.6	10		"
159	2-6	1345 / 1400	MOON - GUTIERREZ	"	"			8.4		.6	12		"
160	2-7	1340 / 1355	MOON	"	"			8.6		.6	12		"
			EATON CREEK above Eaton Wash Dam										
55	11-10	1045 / 1046	MOON - GUTIERREZ	12.0	6.54	3.26		21.3		.6	5		FC22
56	12-18	1545 / 1557	"	15.0	8.05	3.39		27.3		.6	8		"
57	12-20	1558 / 1605	SCHINDLER - KOCH	9.0	1.85	1.57		2.9		SURF.	5		FC21

DISCHARGE MEASUREMENTS OF RIO HONDO DRAINAGE AREA

AT Miscellaneous Points DURING THE YEAR ENDING SEPTEMBER 30, 19 51

NO.	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.
			SANTA ANITA CREEK below Santa Anita Dam (outflow)										
436	10-5	1435 / 1443	MOON - LINDSAY	2.9	2.28	1.23		2.8		.6	8		FC48H
437	4-24	1000 / 1015	WADDICOR - STUNDEN	10.0	5.27	1.74		9.2		.6	12		FC36
438	7-24	0845 / 0859	MOON	10.0	7.15	2.87		20.5		.6	11		FC22
			SANTA ANITA CREEK - Three Cities Farms Diversion										
291	10-5	1508 / 1515	MOON - LINDSAY	2.0	1.56	0.51		0.79		.6	6		FC48H
292	10-13	1010 / 1020	MOON	2.0	2.32	0.39		0.90		.6	7		"
293	10-19	0920 / 0926	"	2.0	1.75	0.48		0.84		.6	7		"
294	10-26	0940 / 0950	"	2.0	1.11	0.70		0.78		.6	7		"
295	11-2	1000 / 1010	"	2.0	1.42	0.55		0.78		.6	7		"
296	11-9	0950 / 1000	"	2.0	1.54	0.56		0.86		.6	7		"
297	11-16	1005 / 1015	"	2.0	0.21	1.24		0.26		.5	7		"
298	11-22	0940 / 0950	"	2.0	0.24	1.08		0.26		.5	7		"
299	11-30	1015 / 1020	"	2.0	0.24	1.42		0.34		.5	4		FC22
300	12-7	0930 / 0935	"	2.0	0.28	1.50		0.42		.5	4		"
301	12-14	0950 / 0955	"	2.0	1.52	0.47		0.71		.6	5		"
302	1-10	0935 / 0940	"	2.0	2.05	0.26		0.53		.6	5		"
303	1-25	1035 / 1037	"	2.0	2.40	0.33		0.79		.6	2		FC48H
304	2-8	1110 / 1120	"	2.0	1.36	0.68		0.99		.6	7		"
305	2-15	1010 / 1020	"	2.0	0.34	1.29		0.44		.5	7		"
306	2-21	0952 / 1000	MOON - SPENCER	2.0	2.08	0.44		0.91		.6	7		"
307	3-8	1610 / 1612	MOON	2.0	0.30	1.13		0.34		.5	2		FC22
308	3-15	1132 / 1142	"	2.0	0.34	1.15		0.39		.5	7		FC48H
309	3-22	1000 / 1010	"	2.0	0.56	1.09		0.61		.5	7		"
310	3-28	1027 / 1037	KASIMOFF - MOON	2.0	0.68	0.85		0.58		.5	7		"
311	4-5	1010 / 1019	KASIMOFF	2.0	0.71	0.86		0.61		.5	7		"
312	4-11	1005 / 1011	"	2.0	0.87	0.75		0.65		.5	7		"
313	4-19	1027 / 1035	"	2.0	0.73	0.77		0.56		.6	7		"
314	4-26	0945 / 0956	KASIMOFF - MOON	2.0	0.46	1.04		0.48		.6	7		"
315	5-3	1000 / 1010	MOON	2.0	0.88	0.66		0.58		.6	7		"
316	5-10	1015 / 1025	"	2.0	0.88	0.60		0.53		.5	7		"
317	5-17	0955 / 1009	"	2.0	0.90	0.60		0.54		.5	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.				
318	5-24	0930 / 0936	"	2.0	0.70	0.71		0.50		.5	7	"
319	5-31	0940 / 0950	"	2.0	0.24	0.83		0.20		.5	7	"
320	6-7	0920 / 0928	"	2.0	1.41	0.40		0.56		.6	7	"
321	6-15	0922 / 0930	"	2.0	1.09	0.47		0.51		.6	7	"
322	6-21	0925 / 0935	"	2.0	1.41	0.41		0.58		.6	7	"
323	6-28	0850 / 0900	KASIMOFF - MOON	2.0	1.60	0.37		0.59		.6	7	"
324	7-5	1034 / 1043	KASIMOFF	2.0	1.37	0.35		0.48		.6	7	FC22
325	7-11	1325 / 1333	"	2.0	1.25	0.39		0.49		.6	7	FC48H
326	7-19	0923 / 0940	MOON - LANG	TWO CHANNELS				0.62		.5	4	"
327	7-26	0935 / 0940	MOON	"	"			0.48		.6	4	"
328	8-2	0930 / 0935	"	"	"			0.35		.5	4	"
329	8-9	0930 / 0936	"	"	"			0.51		.5	4	"
330	8-16	0930 / 0935	"	"	"			0.52		.5	4	"
331	8-23	0945 / 0950	"	"	"			0.39		.5	4	"
332	8-30	1130 / 1136	"	"	"			0.40		.5	4	"
333	9-7	0905 / 0912	"	"	"			0.24		.5	4	"
334	9-13	1435 / 1440	MOON - LINDSAY	"	"			0.52		.5	4	"
335	9-20	0910 / 0920	MOON	"	"			0.52		.5	4	"
336	9-27	0910 / 0915	"	"	"			0.23		.5	4	"
			SANTA ANITA CREEK above Clamshell									
155	4-24	1440 / 1450	WADDICOR - STUNDEN	12.0	4.77	3.10		14.8		.6	9	FC36
156	4-24	1510 / 1515	STUNDEN - WADDICOR	12.2	5.51	3.56		19.6		.6	9	"

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER DRAINAGE AREA

AT ~~NEAR~~ Miscellaneous Points DURING THE YEAR ENDING SEPTEMBER 30, 19 50

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			SAN GABRIEL RIVER-WEST FORK above Bear Creek										
32	10-6	1519 / 1521	MIDDLETON	1.3	0.20	0.80		0.16		.6	2		FC29
33	11-3	1429 / 1431	"	1.3	0.18	0.72		0.13		.6	2		"
34	11-17	1428 / 1432	"	4.0	1.37	0.80		1.1		.6	6		"
35	12-12	1138 / 1148	SPENCER - MIDDLETON	4.0	1.30	0.92		1.2		.6	6		"
36	1-16	1435 / 1450	MIDDLETON	13.7	6.37	1.07		6.8		.6	13		"
37	2-20	1450 / 1505	"	10.0	5.90	0.86		5.1		.6	10		FC26
38	3-27	1345 / 1358	"	10.9	5.46	0.82		4.5		.6	10		"
39	4-10	1510 / 1522	"	12.5	6.07	1.43		8.7		.6	8		"
40	6-12	0933 / 0950	LANG	12.2	6.56	1.91		12.5		.6	11		FC12
41	7-6	1045 / 1103	MIDDLETON	13.8	6.90	1.62		11.2		.6	13		FC26
42	7-24	0935 / 0952	LANG	12.0	5.61	1.82		10.2		.6	12		FC12
			BEAR CREEK above Junction with San Gabriel River										
34	10-6	1535 / 1539	MIDDLETON	2.0	0.40	0.68		0.27		.6	4		FC29
35	11-3	1447 / 1453	"	2.2	0.64	1.19		0.76		.6	4		"
36	11-17	1457 / 1504	"	8.0	3.61	0.80		2.9		.6	7		"
37	12-12	1155 / 1206	SPENCER - MIDDLETON	6.0	3.12	1.15		3.6		.6	9		"
38	1-16	1417 / 1429	MIDDLETON	17.5	9.57	0.96		9.2		.6	10		"
39	2-20	1420 / 1433	"	13.5	8.98	1.60		14.4		.6	9		FC26
40	3-27	1305 / 1323	"	13.0	7.61	1.12		8.5		.6	11		"
41	4-10	1437 / 1450	"	12.0	15.6	0.82		12.8		.6	10		"
42	6-12	1006 / 1016	LANG	10.0	3.14	0.89		2.8		.6	6		FC12
43	7-6	1110 / 1124	MIDDLETON	5.0	1.44	0.52		0.75		.6	9		FC26
44	7-24	1015 / 1027	LANG	3.9	1.04	0.28		0.29		.5	7		FC12
			SAN GABRIEL RIVER-NORTH FORK above Junction with West Fork										
39	10-6	1600 / 1610	MIDDLETON	4.8	1.56	1.09		1.7		.6	8		FC29
40	11-3	1520 / 1530	"	4.7	1.63	1.04		1.7		.6	8		"
41	11-17	1525 / 1537	"	5.7	2.16	1.25		2.7		.6	9		"
42	12-12	1106 / 1120	SPENCER - MIDDLETON	5.5	2.09	1.24		2.6		.6	9		"
43	1-16	1345 / 1355	MIDDLETON	11.0	4.15	1.40		5.8		.6	10		"
44	2-20	1330 / 1342	"	11.5	4.44	1.26		5.6		.6	11		FC26
45	3-27	1415 / 1425	"	9.7	3.75	1.20		4.5		.6	9		"
46	4-10	1355 / 1407	"	9.7	4.04	1.26		5.1		.6	10		"
47	6-12	1050 / 1059	LANG	6.4	2.65	0.98		2.6		.6	7		FC12
48	7-6	1145 / 1155	MIDDLETON	8.5	2.49	0.92		2.3		.6	10		FC26
49	7-24	1056 / 1107	LANG	6.0	2.64	0.64		1.7		.6	8		FC12
			SAN GABRIEL RIVER-WEST FORK near Forks										
8	4-18	1345 / 1402	MIDDLETON	23.6	14.7	1.12		16.5		.6	12		FC26
			SAN GABRIEL RIVER-CATTLE CANYON above Junction with East Fork										
4	6-12	1430 / 1441	LANG	7.1	2.77	1.01		2.8		.6	8		FC12
			SAN GABRIEL RIVER-EAST FORK near Forks										
9	4-18	1405 / 1426	MIDDLETON	22.0	21.9	1.67		36.5		.6	15		FC26
			SAN GABRIEL RIVER below Forks (inflow to Dam #1)										
140	4-18	1320 / 1338	MIDDLETON	20.8	19.7	2.79		54.9		.6	12		FC26
			BIG DALTON CREEK above Big Dalton Dam										
11	2-9	0950 / 1005	STUNDEN - BREWSTER	TWO CHANNELS				0.82		V NOTCH .5	4		FC36
12	3-9	0910 / 0913	STUNDEN - BROWN	"	"			0.26		V NOTCH .5	3		"
13	4-6	0930 / 0940	STUNDEN	"	"			0.21		V NOTCH .5	3		"
14	5-4	0930 / 0940	"	"	"			0.14		V NOTCH .5	3		"
15	6-1	0950 / 0953	"	"	"			0.13		V NOTCH .5	3		"
			BIG DALTON CREEK inflow to Spreading Area										
25	2-9	1052 / 1100	STUNDEN - BREWSTER	2.0	0.40	0.95		0.38		.5	4		FC36
26	9-20	1245 / 1300	STUNDEN	7.0	1.28	0.94		1.2		.5	7		"
27	9-21	1545 / 1600	"	7.0	1.44	0.97		1.4		.5	7		"
28	9-28	1010 / 1020	"	6.0	1.94	1.65		3.2		.5	6		"
			SAN DIMAS CREEK above San Dimas Dam										
46	11-17	1335 / 1340	STUNDEN	2.5	0.43	0.86		0.37		.5	5		FC36
47	12-15	1145 / 1150	"	1.0	0.28	2.04		0.57		.5	2		"
48	12-29	1450 / 1455	"	1.5	0.60	2.00		1.2		.5	3		"
49	1-12	1130 / 1140	"	7.0	3.12	1.18		3.7		.5 .6	7		"
50	2-9	1244 / 1256	STUNDEN - BREWSTER	6.5	2.70	1.63		4.4		.5	7		"
51	3-9	1140 / 1145	STUNDEN - BROWN	1.4	0.73	1.92		1.4		.6	3		"
52	4-6	1137 / 1142	STUNDEN	1.0	0.51	2.35		1.2		.5 .6	2		"
53	4-20	1120 / 1125	"	1.0	0.56	1.73		0.97		.6	2		"
54	5-11	1426 / 1430	"	1.0	0.48	1.33		0.64		.5	2		"
55	5-17	1220 / 1225	"	1.0	0.61	1.64		1.0		.6	2		"
56	6-8	0930 / 0933	"	1.0	0.50	1.24		0.62		.5 .6	2		"

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER DRAINAGE AREA

AT NEAR Miscellaneous Points DURING THE YEAR ENDING SEPTEMBER 30, 19 50

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			SAN DIMAS CREEK below San Dimas Dam										
138	1-5	1035 / 1040	STUNDEN	3.0	0.88	1.36		1.2		.5	6		FC36
139	1-11	1410 / 1416	"	3.0	1.15	1.30		1.5		.5 / .6	6		"
140	1-12	1040 / 1045	"	3.0	1.08	1.39		1.5		.5	6		"
141	1-16	0930 / 0940	"	4.0	1.64	1.71		2.8		.5	8		"
142	1-19	1420 / 1430	"	3.8	1.65	1.76		2.9		.5 / .6	8		"
143	1-26	1420 / 1426	"	3.5	0.94	1.49		1.4		.5	7		"
144	2-2	1215 / 1225	"	4.0	1.04	1.35		1.4		.5	8		"
145	2-9	1326 / 1338	STUNDEN - BREWSTER	4.0	1.44	1.25		1.8		.5	8		"
146	2-16	1425 / 1435	STUNDEN	3.5	1.00	1.30		1.3		.5	7		"
147	2-16	1440 / 1450	"	4.0	1.24	1.21		1.5		.5	8		"
148	2-23	1130 / 1140	"	4.4	1.42	1.05		1.5		.5	9		"
149	3-2	1210 / 1215	"	0.70	0.19	0.58		0.11		.5	2		"
150	4-24	1025 / 1035	"	8.5	4.28	0.72		3.1		.5 / .6	5		"
151	4-27	1135 / 1145	"	8.0	4.23	0.76		3.2		.6	8		"
152	5-4	1217 / 1227	"	8.0	4.65	0.90		4.2		.5 / .6	8		"
153	5-11	1520 / 1540	"	8.0	5.23	1.22		6.4		.6	8		"
154	5-17	1320 / 1335	"	8.0	5.18	1.20		6.2		.6	8		"
155	5-25	1410 / 1425	"	8.0	4.69	1.13		5.3		.6	8		"
156	6-1	1445 / 1455	"	8.0	4.75	1.12		5.3		.6	8		"
157	6-8	1025 / 1035	"	8.0	4.65	1.07		5.0		.5 / .6	8		"
158	6-15	1315 / 1330	"	8.0	4.29	1.02		4.4		.5 / .6	8		"
159	6-22	1000	"				0.37	0.22		V-NOTCH WEIR			
160	7-6	1500	"				0.33	0.16		"		"	
161	7-12	1205	"				0.32	0.15		"		"	
162	7-20	1205	"				0.37	0.22		"		"	
163	7-27	1100	"				0.36	0.20		"		"	
164	8-3	1030	"				0.33	0.16		"		"	
165	8-10	1130	"				0.38	0.23		"		"	
166	8-17	0830	"				0.37	0.22		"		"	
167	8-24	1315	"				0.37	0.22		"		"	
168	8-31	1330	"				0.37	0.22		"		"	
169	9-14	1040	"				0.38	0.23		"		"	
170	9-21	1400	"				0.37	0.22		"		"	
171	9-28	1415	"				0.37	0.22		"		"	
			PUDDINGSTONE DIVERSION CHANNEL at Outlet										
21	10-6	1430 / 1433	STUNDEN	0.75	0.10	1.00		0.10		FLOATS	1		
22	10-27	1020 / 1023	"	0.70	0.14	1.14		0.16		.5	1		FC36
23	11-3	1030 / 1033	"	0.70	0.18	1.22		0.22		.5	1		"
24	12-7	1000 / 1003	"	0.80	0.06	1.17		0.07		.5	1		"
25	3-23	1335 / 1350	"	9.5	3.99	1.75		7.0		.5 / .6	9		"
26	7-12	1025 / 1030	"	2.0	0.35	1.77		0.62		.5	4		"
27	7-20	1050 / 1053	"	0.60	0.12	1.42		0.17		.5	1		"
28	8-24	1120 / 1123	"	1.0	0.10	0.90		0.09		.6	2		FC49H
29	9-21	1000 / 1005	"	1.0	0.10	0.90		0.09		.5	2		FC36
			WALNUT CREEK at Garvey Boulevard										
1	12-22	1000 / 1010	STUNDEN	3.5	1.09	1.65		1.8		.5	4		FC36
			LIVE OAK CREEK below Live Oak Dam										
104	6-15	1100 / 1105	STUNDEN	0.80	0.36	1.14		0.41		.5	2		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.	G. HT. CHANGE TOTAL	METER NO.
			WHITTIER NARROWS DAM SITE - Seepage from toe of West Levee at Kruse Ranch Road										
1	6-21	1100 / 1108	BONADIMAN	3.0	0.59	0.88		0.52		.5	4		FC46
2	6-28	1040 / 1046	"	8.0	2.28	0.70		1.6		.6	4		"
3	7-5	1050 / 1056	"	4.5	1.05	1.14		1.2		.5	4		"
4	7-12	1030 / 1038	"	9.0	2.66	1.35		3.6		.5	5		"
5	7-19	1045 / 1052	"	7.5	2.77	1.26		3.5		.5	5		"
6	7-26	1100 / 1110	"	11.0	3.36	1.31		4.4		.5	7		"
7	8-2	1055 / 1104	"	10.5	3.22	1.44		4.6		.5	6		"
8	8-9	1030 / 1038	"	7.0	2.58	1.09		2.8		.5	6		FC19
9	8-16	1250 / 1300	"	8.0	3.05	1.28		3.9		.5	5		FC46
10	8-30	1030 / 1038	"	8.0	4.91	1.16		5.7		.6	6		FC19
11	9-6	0950 / 1000	WADDICOR	11.0	4.17	1.37		5.7		.5 / .6	7		FC37
12	9-13	0932 / 0938	"	8.0	2.10	0.86		1.8		.5 / .6	6		"
13	9-20	1000 / 1005	"	3.0	0.93	1.06		0.98		.5	4		"
14	9-27	1200 / 1208	BONADIMAN	4.0	0.76	0.81		0.62		.5	4		FC19

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER DRAINAGE AREA

AT NEAR Miscellaneous Points DURING THE YEAR ENDING SEPTEMBER 30, 19 51

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			SAN GABRIEL RIVER - WEST FORK inflow to Dam No. 2										
52	11-9	0935 / 0939	MIDDLETON	1.7	0.39	1.10		0.43		.6	5		FC26
			SAN GABRIEL RIVER - WEST FORK above Bear Creek										
43	10-23	0930 / 0946	MIDDLETON	5.1	1.53	0.58		0.88		.6	11		FC26
44	12-11	1134 / 1150	"	5.2	1.31	0.40		0.52		.6	11		"
45	1-11	1322 / 1335	THOMAS - MIDDLETON	6.0	1.54	0.61		0.94		.6	8		"
46	2-26	1010 / 1028	MIDDLETON	7.4	2.04	0.69		1.4		.6	13		"
47	3-12	1115 / 1129	"	5.4	2.10	0.86		1.8		.6	10		"
48	3-26	0930 / 0950	"	6.2	1.88	0.51		0.96		.6	13		"
49	9-6	1920 / 1935	"	11.5	5.10	0.92		4.7		.6	9		"
50	9-7	1530 / 1538	"	6.5	2.16	0.69		1.5		.6	8		"
51	9-10	1015 / 1030	"	8.2	3.44	1.10		3.8		.6	10		"
52	9-11	1410 / 1430	LANG - MIDDLETON	7.3	3.38	1.09		3.7		.6	15		"
53	9-12	0945 / 1007	MIDDLETON	10.2	4.73	1.97		9.3		.6	19		"
54	9-19	1115 / 1140	LANG	6.1	3.42	1.17		4.0		.6	14		FC12
55	9-28	0924 / 0938	"	9.9	6.78	1.37		9.3		.6	11		"
			BEAR CREEK above Junction with West Fork										
45	10-23	1010 / 1015	MIDDLETON	2.0	0.59	0.36		0.21		.6	6		FC26
46	12-11	1205 / 1221	"	4.6	1.77	1.02		1.8		.6	11		"
47	1-11	1336 / 1352	THOMAS - MIDDLETON	4.3	1.94	1.19		2.3		.6	9		"
48	2-26	1045 / 1102	MIDDLETON	9.8	4.40	0.66		2.9		.6	11		"
49	3-12	1150 / 1208	"	11.4	5.91	0.73		4.3		.6	13		"
50	3-26	1022 / 1040	"	5.6	3.14	1.15		3.6		.6	12		"
51	7-9	1035 / 1044	"	3.9	0.94	0.45		0.42		.6	7		"
52	7-23	1550 / 1555	"	1.1	0.23	0.70		0.16		.6	4		"
53	8-16	1546 / 1550	"	1.1	0.15	0.73		0.11		.5	4		"
54	8-30	1200 / 1203	LANG - MIDDLETON	0.6	0.10	1.00		0.10		.5	3		"
55	9-11	1440 / 1442	"	0.6	0.09	1.00		0.09		.5	3		"
56	9-19	1150 / 1153	LANG	0.6	0.08	1.00		0.08		.5	3		FC12

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	D. HT. CHANGE TOTAL	METER NO.
			SAN GABRIEL RIVER - NORTH FORK above Junction with West Fork										
50	10-23	1050 / 1100	MIDDLETON	3.9	2.14	0.79		1.7		.6	9		FC26
51	12-11	1250 / 1312	"	8.5	3.26	0.71		2.3		.6	17		"
52	1-11	1412 / 1427	THOMAS - MIDDLETON	8.8	3.73	0.88		3.3		.6	11		"
53	2-26	1140 / 1203	MIDDLETON	8.8	3.86	0.78		3.0		.6	14		"
54	3-12	1305 / 1323	"	7.8	3.69	0.76		2.8		.6	13		"
55	3-26	1118 / 1140	"	8.2	3.01	0.80		2.4		.6	16		"
56	7-9	1106 / 1122	"	4.5	1.41	0.78		1.1		.6	10		"
57	7-23	1615 / 1626	"	4.4	1.08	0.78		0.84		.6	8		"
58	8-16	1630 / 1638	"	2.6	1.04	0.58		0.60		.6	7		"
59	8-30	1125 / 1138	LANG - MIDDLETON	2.9	0.62	1.16		0.72		.5	11		"
60	9-11	1340 / 1352	"	2.6	0.51	1.22		0.62		.5	9		"
61	9-19	1231 / 1246	LANG	2.6	0.50	1.08		0.54		.5	9		FC12
62	9-27	1008 / 1020	"	2.8	0.66	1.20		0.79		.5	10		"
			SAN GABRIEL RIVER - WEST FORK below Camp Rincon										
8	6-21	1132 / 1150	MIDDLETON	9.5	3.75	0.72		2.7		.6	15		FC26
9	9-12	1220 / 1236	"	9.6	3.70	1.89		7.0		.6	11		"
10	9-14	1050 / 1107	"	9.0	4.31	1.07		4.6		.6	17		"
			SAN GABRIEL RIVER - EAST FORK above Cattle Canyon										
15	7-23	1250 / 1307	MIDDLETON	8.2	3.29	0.94		3.1		.6	10		FC26
16	8-30	1418 / 1440	LANG - MIDDLETON	6.8	2.75	1.27		3.5		.6	16		"
			SAN GABRIEL RIVER - CATTLE CANYON above East Fork										
5	7-23	1230 / 1238	MIDDLETON	3.1	0.80	0.56		0.45		.6	7		FC26
6	8-16	1335 / 1343	"	1.3	0.25	1.24		0.31		.5	6		"
7	8-30	1330 / 1340	LANG - MIDDLETON	2.4	0.51	0.75		0.38		.5	8		"
			SAN GABRIEL RIVER - EAST FORK above Forks										
10	6-21	1105 / 1120	MIDDLETON	9.6	3.91	1.74		6.8		.6	13		FC26
11	8-24	1100 / 1118	"	6.3	2.18	0.78		1.7		.6	12		"
12	9-14	1026 / 1042	"	6.2	1.82	0.82		1.5		.6	13		"
			SAN GABRIEL RIVER above San Gabriel Dam No. 1										
141	4-24	0920 / 0930	MIDDLETON - LINDSAY	13.0	5.25	3.94		20.7		.6	9		FC26
142	4-25	0915 / 0930	MIDDLETON - THOMAS	9.2	5.36	4.01		21.5		.6	11		"
143	4-27	1030 / 1105	THOMAS	22.0	8.08	3.43		27.7		.6	16		"
144	4-28	0904 / 0920	MIDDLETON	21.5	7.54	3.65		27.5		.6	13		"
145	4-29	1032 / 1050	MIDDLETON - HOOKER	30.0	16.2	3.54		57.3		.6	16		"
146	4-30	0855 / 0912	MIDDLETON	24.5	11.8	2.97		35.1		.6	14		"
147	5-1	1350 / 1408	"	20.0	9.67	3.70		35.8		.6	12		"
148	5-2	1044 / 1100	MIDDLETON - MAY	18.7	10.0	3.52		35.2		.6	13		"
149	5-3	1115 / 1137	MIDDLETON	21.0	12.6	2.64		33.3		.6	14		"
150	5-4	1112 / 1130	"	21.6	9.91	3.26		32.3		.6	14		"
151	5-7	1342 / 1400	"	23.8	9.52	2.76		26.3		.6	16		"
152	5-8	1054 / 1115	"	22.8	9.25	2.72		25.2		.6	17		"
153	5-9	0840 / 0858	"	24.0	9.38	2.71		25.4		.6	14		"
154	5-10	1323 / 1342	"	14.2	6.60	3.36		22.2		.6	16		"
155	5-10	1345 / 1403	"	11.0	5.84	3.77		22.0		.6	14		"
156	5-11	1100 / 1118	"	11.1	5.64	3.88		21.9		.6	15		"
157	5-14	1315 / 1334	"	15.6	6.43	3.31		21.3		.6	17		"
158	5-15	1300 / 1317	"	12.2	9.45	2.76		26.1		.6	15		"
159	5-16	0725 / 0745	"	11.4	6.07	4.45		27.0		.6	13		"
160	5-17	1320 / 1335	MIDDLETON - STEWART	17.0	6.05	3.37		20.4		.6	11		"
161	5-18	1020 / 1038	"	22.5	6.43	3.00		19.3		.6	12		"
162	5-21	1325 / 1347	MIDDLETON	18.6	6.22	2.99		18.6		.6	19		"
163	5-22	1440 / 1507	"	21.6	5.75	3.15		18.1		.5 .6	16		"
164	5-23	1328 / 1350	"	19.5	5.72	3.23		18.5		.6	17		"
165	5-24	1320 / 1338	"	13.7	6.30	2.89		18.2		.6	15		"
166	5-24	1415 / 1434	"	14.0	5.44	3.33		18.1		.6	14		"
167	5-25	1327 / 1345	"	17.3	5.37	3.20		17.2		.6	14		"
168	5-28	1323 / 1345	"	21.6	5.30	2.83		15.0		.6	17		"
169	5-29	1348 / 1410	"	TWO CHANNELS				13.8		.6	16		"
170	5-31	1455 / 1512	"	12.0	4.68	3.21		15.0		.6	12		"
171	6-1	0952 / 1010	"	14.0	4.63	3.15		14.6		.6	14		"
172	6-4	1350 / 1411	"	16.2	4.92	2.64		13.0		.6	14		"
173	6-5	1357 / 1420	"	THREE CHANNELS				12.8		.6	17		"
174	6-6	1432 / 1455	"	TWO CHANNELS				13.0		.6	17		"
175	6-7	1348 / 1407	"	THREE CHANNELS				13.9		.6	15		"
176	6-8	1330 / 1348	MIDDLETON - SCHOR	15.0	4.39	3.51		15.4		.6	13		"
177	6-12	1008 / 1030	MIDDLETON	TWO CHANNELS				12.4		.6	17		"
178	6-15	1107 / 1124	"	13.8	4.05	2.67		10.8		.6	14		"
179	6-19	1035 / 1056	"	15.2	4.63	2.01		9.3		.6	16		"
180	6-21	1203 / 1224	"	16.0	11.0	0.88		9.7		.6	16		"
181	6-21	1228 / 1245	"	TWO CHANNELS				9.1		.6	13		"
182	6-21	1303 / 1320	"	10.3	4.08	2.28		9.3		.6	12		"
183	6-21	1332 / 1350	"	12.2	4.65	2.11		9.8		.6	14		"
184	6-29	0930 / 0952	"	9.6	3.69	1.84		6.8		.6	16		"
185	7-6	1053 / 1105	WILSON - MIDDLETON	9.0	3.13	1.85		5.8		.6	10		"
186	7-11	0918 / 0935	MIDDLETON	6.1	3.23	1.64		5.3		.6	13		"
187	8-24	0900 / 0918	"	4.3	1.26	1.43		1.8		.6	12		"
188	8-24	0933 / 0948	"	4.2	1.23	1.38		1.7		.6	11		"
189	8-24	1030 / 1046	"	8.8	3.61	0.44		1.6		.6	10		"
190	9-12	1120 / 1138	"	11.8	7.76	0.68		5.3		.6	14		"
			SAN GABRIEL RIVER below San Gabriel Dam No. 1										
157	5-7	0650 / 0908	MIDDLETON	22.5	12.3	2.40		29.5		.6	14		FC26
158	5-7	1518 / 1540	"	22.0	11.1	2.31		25.6		.6	19		"
159	5-8	1452 / 1512	"	20.5	10.8	2.35		25.4		.6	15		"
160	5-16	1122 / 1140	"	15.4	8.77	2.60		22.8		.6	15		"
161	5-22	1325 / 1357	"	25.0	8.77	3.59		31.5		.6	13		"
162	6-6	1042 / 1100	"	24.0	6.80	1.71		11.6		.6	14		"
163	6-6	1325 / 1342	"	TWO CHANNELS				12.3		.6	15		"
164	6-8	0922 / 0940	MIDDLETON - SCHOR	16.2	5.66	2.65		15.0		.6	14		"
165	6-8	0948 / 1003	"	8.5	4.52	3.10		14.0		.6	12		"
166	6-15	0930 / 0955	MIDDLETON - MAY	15.9	3.94	2.69		10.6		.5	18		"
167	6-19	0907 / 0930	MIDDLETON	13.3	4.38	2.99		13.1		.6	15		"
168	6-22	1250 / 1314	MIDDLETON - MAY	26.0	5.64	2.23		12.6		SURF.	18		"
169	6-26	0915 / 0937	MIDDLETON - HOOKER	TWO CHANNELS				12.0		.6	19		"
170	6-26	0945 / 0958	"	7.6	3.03	3.47		10.5		.6	10		"
171	7-3	1300 / 1310	MIDDLETON	TWO CHANNELS				5.5		.6	9		"
172	7-3	1322 / 1335	"	7.0	1.96	2.65		5.2		.6	10		"
173	7-6	0925 / 0935	MIDDLETON - WILSON	13.0	2.78	2.05		5.7		SURF.	12		"
174	7-6	0955 / 1014	"	6.9	3.09	3.43		10.6		.6	10		"
175	7-10	0905 / 0912	MIDDLETON - LINDSAY	5.0	1.28	2.34		3.0		SURF.	8		"
176	7-11	1022 / 1040	MIDDLETON	TWO CHANNELS				7.0		.6	15		"
177	7-12	0905 / 0913	MIDDLETON - HOOKER	4.4	1.45	2.97		4.3		.6	7		"
178	7-17	1410 / 1422	MIDDLETON	4.5	1.02	2.35		2.4		SURF.	7		"
179	7-20	0947 / 0953	MIDDLETON - WILSON	4.6	0.85	2.24		1.9		SURF.	7		"
180	7-20	1012 / 1019	"	4.5	0.96	2.08		2.0		SURF.	7		"
181	7-24	0839 / 0847	MIDDLETON	4.5	0.87	2.53		2.2		SURF.	7		"
182	7-27	1237 / 1246	MIDDLETON - WILSON	4.5	0.87	2.18		1.9		.5	7		"
183	8-7	1040 / 1050	MIDDLETON - BROWN	7.0	2.50	2.52		6.3		.6	10		"
184	8-7	1055 / 1104	"	4.5	2.21	2.62		5.8		.6	7		"
185	8-7	1245 / 1250	"	2.9	0.41	2.15		0.88		.5	5		"
186	8-14	1240 / 1252	MIDDLETON	2.5	0.36	1.78		0.64		SURF.	9		"
187	8-17	1000 / 1012	"	4.1	1.96	2.65		5.2		.6	9		"
188	8-17	1310 / 1316	"	1.4	0.19	2.26		0.43		.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.	RATING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
189	8-21	0920 / 0938	"	5.7	3.66	1.31		4.8		.6	13		"
190	8-21	1244 / 1246	"	0.8	0.12	0.83		0.10		.6	3		"
191	8-28	1116 / 1120	LANG - MIDDLETON	1.9	0.16	2.38		0.38		SURF.	5		"
192	8-28	1408 / 1420	"	3.5	0.94	5.21		4.9		.6	9		"
193	8-31	1217 / 1230	MIDDLETON	2.6	0.42	1.79		0.75		SURF.	9		"
194	9-4	1347 / 1402	MIDDLETON - WILSON	3.4	0.97	5.77		5.6		.6	10		"
195	9-4	1520 / 1526	"	2.0	0.22	2.36		0.52		SURF.	7		"
196	9-7	1134 / 1143	MIDDLETON	2.5	0.36	2.56		0.92		SURF.	7		"
197	9-12	1540 / 1600	"	3.6	1.36	4.56		6.2		.6	10		"
198	9-18	0845 / 0900	LANG	6.0	3.09	2.75		8.5		.6	9		FC12
199	9-21	0900 / 0922	"	3.6	1.12	7.14		8.0		.5 / .6	7		"
			SAN GABRIEL RIVER below Metropolitan Aqueduct										
1	4-23	0930 / 1000	STUNDEN	21.5	21.5	0.40		10.6		.6	22		FC36
2	4-24	0530 / 0604	"	35.0	95.2	1.20		114.		.2 / .8	13		"
3	4-26	1500 / 1520	KASIMOFF - MOON	18.5	18.8	0.47		8.8		.6	12		"
4	4-30	1350 / 1405	MOON	20.0	20.5	0.61		12.5		.6	11		FC22
5	5-2	0950 / 1015	LINDSAY - CHAPMAN	TWO CHANNELS				12.6		.6	10		FC40
6	5-3	1430 / 1445	MOON	19.0	19.6	0.53		10.4		.6	12		FC22
7	5-7	1507 / 1530	"	18.0	17.3	0.62		10.8		.6	11		"
8	5-10	1420 / 1441	MOON - THOMAS	16.0	19.0	0.51		9.7		.6	14		"
9	5-11	0940 / 1000	MOON	TWO CHANNELS				10.3		.6	20		"
10	5-14	1425 / 1450	"	"	"			10.3		.6	19		"
11	5-16	1243 / 1316	MOON - KASIMOFF	17.0	18.6	1.10		20.4		.6	19		FC48H
12	5-17	1500 / 1530	MOON	17.2	18.0	1.16		20.9		.6	19		"
13	5-21	1350 / 1420	"	16.9	18.8	1.08		20.4		.6	19		"
14	5-24	1435 / 1505	"	17.1	19.4	1.03		20.0		.6	21		"
15	5-28	1340 / 1415	"	17.1	18.9	1.10		20.8		.6	19		"
16	5-31	1442 / 1520	"	17.1	18.6	1.07		19.9		.6	21		"
17	6-4	1245 / 1315	"	17.1	19.0	1.05		20.0		.6	21		"
18	6-8	1110 / 1150	"	TWO CHANNELS				21.7		.6	21		"
19	6-11	1315 / 1350	"	"	"			21.2		.6	21		"
20	6-14	1025 / 1055	MOON - LINDSAY	17.1	19.3	1.12	0.72	21.7		.6	19		FC40
21	6-14	1105 / 1120	"	17.1	19.3	1.15	0.72	22.2		.6	19		FC48H
22	6-14	1315 / 1345	"	17.1	20.2	1.22	0.77	24.7		.6	19		FC40
23	6-14	1515 / 1537	"	17.1	21.0	1.31	0.82	27.5		.6	19		"
24	6-15	1055 / 1130	MOON	17.1	19.6	1.18	0.70	22.8		.6	19		FC22
25	6-15	1230 / 1300	"	17.1	19.3	1.15	0.70	22.2		.6	19		FC48H
26	6-18	1135 / 1205	KASIMOFF - MOON	17.1	19.0	1.13	0.70	21.5		.6	20		"
27	6-21	1405 / 1440	MOON	17.1	19.2	1.15	0.70	22.0		.6	19		"
28	6-25	1327 / 1402	"	17.1	19.8	1.23	0.75	24.3		.6	20		"
29	6-28	1011 / 1038	MOON - KASIMOFF	17.1	19.9	1.20	0.74	23.8		.2 / .8	12		"
30	6-28	1105 / 1138	KASIMOFF - MOON	17.1	19.9	1.22	0.74	24.2		.6	19		"
31	7-2	1200 / 1302	KASIMOFF	17.1	20.4	1.22	0.78	24.9		.2 / .8	19		"
32	7-5	1430 / 1525	"	17.1	20.4	1.21	0.78	24.7		.2 / .8	19		FC47
33	7-12	1010 / 1104	"	17.1	20.8	1.21	0.79	25.1		.2 / .8	20		"
34	7-19	1400 / 1438	MOON - LANG	17.1	20.6	1.29	0.80	26.6		.2 / .6 / .8	19		FC22
35	7-26	1504 / 1535	MOON	17.1	20.0	1.24	0.76	24.8		.6	19		"
36	8-2	1345 / 1415	"	17.1	19.8	1.29	0.77	25.5		.6	18		"
37	8-9	1430 / 1502	"	17.1	20.3	1.27	0.78	25.8		.6	18		"
38	8-16	1455 / 1525	"	17.1	20.3	1.27	0.78	25.7		.6	18		"
39	8-23	1410 / 1440	"	17.1	20.4	1.27	0.79	26.0		.6	18		"
40	8-29	1525 / 1545	MOON - STUNDEN	17.1	20.3	1.25	0.77	25.4		.6	18		"
41	9-6	1510 / 1540	MOON	17.1	20.3	1.25	0.77	25.3		.6	18		"
42	9-13	0900 / 0925	MOON - LINDSAY	17.1	20.2	1.27	0.78	25.6		.6	18		"
43	9-20	1430 / 1500	MOON	17.1	20.3	1.27	0.78	25.8		.6	18		"
44	9-27	1505 / 1535	"	17.1	20.2	1.25	0.77	25.3		.6	18		"

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			SAN DIMAS CREEK above San Dimas Dam										
57	12-28	1100 / 1105	STUNDEN	1.0	0.48	0.42		0.20		.5	7		FC49H
58	1-18	1102 / 1106	"	1.0	0.47	1.26		0.59		.5	4		FC36
59	1-25	0950 / 1000	"	1.0	0.48	1.37		0.63		.5 / .6	5		"
60	2-1	1205 / 1212	"	1.5	0.65	1.69		1.1		.6	5		"
61	3-1	1330 / 1340	"	5.0	2.38	1.05		2.5		.5 / .6	9		"
62	3-15	1050 / 1055	"	1.3	0.56	1.10		0.62		.6	5		FC49H
63	3-29	1235 / 1240	"	1.4	0.48	0.72		0.35		.5 / .6	7		"
64	4-12	1000 / 1010	"	1.2	0.48	1.18		0.57		.6	5		FC36
65	4-26	0900 / 0910	"	1.6	0.65	1.54		1.0		.5 / .6	6		"
66	5-9	1300 / 1305	"	1.4	0.72	1.03		0.74		.6	5		FC49H
67	5-16	0850 / 0855	"	1.3	0.54	0.98		0.53		.5	5		"
68	5-24	1215 / 1220	"	1.2	0.46	0.74		0.34		.5	5		"
69	6-7	1230 / 1235	"	0.9	0.34	0.18		0.06		.5	5		FC50H
			SAN DIMAS CREEK below San Dimas Dam										
172	10-5	1615	STUNDEN				0.37	0.22		V NOTCH WEIR			
173	10-13	1220	"				0.37	0.22			"		
174	10-19	1135	"				0.37	0.22			"		
175	10-26	1145	"				0.37	0.22			"		
176	11-2	1115	"				0.37	0.22			"		
177	11-9	1430	"				0.36	0.20			"		
178	11-16	1345	"				0.36	0.20			"		
179	11-22	1430	"				0.36	0.20			"		
180	11-30	1130	"				0.36	0.20			"		
181	12-7	1430	"				0.36	0.20			"		
182	12-14	1045	"				0.36	0.20			"		
183	12-21	1330	"				0.36	0.20			"		
184	12-28	1145	"				0.36	0.20			"		
185	1-4	1210	"				0.36	0.20			"		
186	1-11	1130	"				0.36	0.20			"		
187	1-18	1150	"				0.36	0.20			"		
188	1-25	1030	"				0.36	0.20			"		
189	2-1	1230	"				0.36	0.20			"		
190	2-8	1424	"				0.36	0.20			"		
191	2-15	1400	"				0.36	0.20			"		
192	2-21	1530	"				0.36	0.20			"		
193	3-1	1430	"				0.38	0.23			"		
194	3-15	1000	"				0.38	0.23			"		
195	3-21	1425	"				0.37	0.22			"		
196	3-29	1312	"				0.37	0.22			"		
197	4-4	1445	"				0.38	0.23			"		
198	4-12	0900 / 0915	"	7.5	4.59	0.91		4.2		.6	10		FC36
199	4-19	1400 / 1420	STUNDEN - BLEEMERS	7.5	4.18	0.86		3.6		.6	10		"
200	4-26	0800 / 0810	STUNDEN	1.3	0.15	0.67		0.10		.5	5		"
201	4-30	1300 / 1315	"	2.0	0.81	2.22		1.8		.5	7		"
202	5-3	1430 / 1440	"	1.9	0.53	0.94		0.50		.5	7		"
203	5-8	0755 / 0810	"	2.0	1.07	2.62		2.8		.5 / .6	6		"
204	5-10	1235 / 1245	STUNDEN - BOBIK	3.0	1.13	2.39		2.7		.6	8		"
205	5-16	0750 / 0758	STUNDEN	3.5	1.23	2.36		2.9		.5	7		"
206	5-16	0950 / 0955	"	1.8	0.66	1.24		0.82		.5	6		FC49H
207	5-17	0750 / 0755	"	1.8	0.62	1.23		0.76		.5	6		"
208	5-24	1027 / 1038	"	1.3	0.28	0.71		0.20		.5	6		"
209	5-31	1445 / 1450	"	1.3	0.26	0.73		0.19		.5	6		"

DISCHARGE MEASUREMENTS OF SANTA CLARA RIVER DRAINAGE AREA

AT OR NEAR Miscellaneous Points DURING THE YEAR ENDING SEPTEMBER 30, 19 51

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
210	6-7	1400 / 1405	"	1.2	0.24	0.79		0.19		.5	5		FC50H
211	6-14	1230	"				0.36	0.20		V NOTCH WEIR			
212	6-21	1415	"				0.41	0.28			"		
213	6-28	1420	"				0.40	0.26			"		
214	7-5	0915	"				0.40	0.26			"		
215	7-12	1300	"				0.40	0.26			"		
216	7-19	0915	"				0.40	0.26			"		
217	7-26	0930	"				0.40	0.26			"		
218	8-2	0820	"				0.39	0.25			"		
219	8-9	1230	"				0.39	0.25			"		
220	8-16	0955	"				0.39	0.25			"		
221	8-23	0745	"				0.39	0.25			"		
222	8-30	0745	"				0.39	0.25			"		
223	9-27	1445 / 1449	"	0.5	0.02	1.00		0.02		.5	5		FC50H
		SAN DIMAS CREEK - OLD WATER TUNNEL below San Dimas Dam											
1	11-9	1435 / 1440	STUNDEN	0.7	0.14	0.36		0.05		.5	5		FC49H
2	2-15	1350 / 1355	"	0.8	0.14	0.50		0.07		.5	4		"
3	3-15	1005 / 1010	"	0.8	0.16	0.50		0.08		.5	5		"
4	3-29	1315 / 1320	"	1.0	0.19	0.47		0.09		.5	4		"
5	4-26	0815 / 0820	"	1.0	0.31	0.32		0.10		FLOATS	3		
6	8-2	0825 / 0830	"	0.8	0.14	0.36		0.05		.5	4		FC50H
		PUDDINGSTONE DIVERSION CHANNEL at Outlet											
30	10-19	1410 / 1420	STUNDEN	TWO CHANNELS				0.19		.5	9		FC49H
31	11-9	1130 / 1135	"	1.4	0.15	1.40		0.21		.5	5		"
32	11-22	1010 / 1015	"	1.5	0.42	0.76		0.32		.5	6		FC36
33	11-30	1515 / 1520	"	1.4	0.28	0.50		0.14		.5	6		FC49H
34	12-21	1000 / 1004	"	1.4	0.27	0.44		0.12		.5	7		"
35	3-8	1030 / 1035	"	2.3	0.37	1.38		0.51		.5	6		FC36
36	4-4	1025 / 1030	"	1.4	0.27	1.15		0.31		.5	6		FC49H
37	4-19	0830 / 0835	"	0.9	0.16	1.38		0.22		.5	6		"
38	6-7	1535 / 1540	"	1.6	0.24	0.96		0.23		.5	6		FC50H
39	6-28	1010 / 1015	"	1.7	0.30	1.37		0.41		.5	7		"
40	7-26	1210 / 1215	"	1.2	0.06	0.83		0.05		.5	5		"
41	8-2	1030 / 1035	"	2.4	0.65	1.31		0.85		.5	7		"
42	8-9	0830 / 0835	"	1.4	0.31	1.71		0.53		.5	6		"
		WHITTIER NARROWS DAM SITE - Seepage from Toe of West Levee at Kruse Ranch Road.											
15	10-4	1200 / 1208	BONADIMAN	3.0	0.87	1.26		1.1		.6	6		FC19
16	10-11	1130 / 1136	"	4.0	1.70	0.92		1.6		.6	5		"
17	10-18	1140 / 1146	"	4.0	1.41	0.85		1.2		.6	4		FC46
18	10-25	1110 / 1126	"	TWO CHANNELS				2.4		.6	11		"
		SAN JOSE CREEK at Lemon Avenue											
3	2-28	1120 / 130	STUNDEN	8.0	2.15	1.26		2.7		.5	10		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.	G. HT. CHANGE TOTAL	METER NO.
			SANTA CLARA RIVER 1 mile below Ravenna										
1	12-28	1545 / 555	LUCE	4.1	1.41	1.42		2.0		.6	9		FC41
2	2-8	1435 / 1440	"	4.0	1.31	1.68		2.2		.6	9		"
3	3-8	1000 / 1007	LUCE - THOMAS	6.0	2.34	1.03		2.4		.6	9		"
4	4-20	0830 / 0835	LUCE	4.0	1.27	1.49		1.9		.6	10		"
5	7-12	1625 / 1630	"	3.0	0.78	1.54		1.2		.6	8		"
6	8-16	0840 / 0845	"	4.0	1.46	1.10		1.6		.6	9		"

TABLE X

PERCOLATION LOSSES ON SANTA ANITA CREEK

BASED ON METER MEASUREMENTS

1949-50

DATE	SANTA ANITA CREEK @ MOUTH OF CANYON	FLOW @ ORANGE GROVE AVENUE	LOSS C.F.S.	FLOW @ FOOTHILL BLVD.	LOSS C.F.S.	FLOW @ DUARTE RD.	LOSS C.F.S.	REMARKS
12-21	22.8	4.5	3.0	6.3	16.5	0.8	5.5	END OF PERC. 3700' BELOW DUARTE RD.
2-15	7.5			0	3.0			END OF PERC. 550' ABOVE FOOTHILL BLVD.

PERCOLATION LOSSES ON LITTLE DALTON WASH

BASED ON METER MEASUREMENTS

1949-50

DATE	COVINA DITCH	FLOW @ AZUSA DITCH	TOTAL C.F.S.	FLOW @ AZUSA AVENUE	LOSS C.F.S.	FLOW @ JUNCTION WITH BIG DALTON WASH	LOSS C.F.S.
2-24	16.5	0.5	17.0	15.2	1.8	9.7	5.5

PERCOLATION LOSSES ON BIG DALTON WASH

BASED ON METER MEASUREMENTS

1949-50

DATE	FLOW @ BEN LOMOND AVENUE	FLOW @ AZUSA AVENUE	LOSS C.F.S.	FLOW @ JUNCTION WITH LITTLE DALTON WASH	LOSS C.F.S.	FLOW @ VINCENT AVENUE + LITTLE DALTON WASH	FLOW @ IRWINDALE AVENUE	LOSS C.F.S.	ROCK CRUSHER DITCH	FLOW @ LOS ANGELES STREET	LOSS C.F.S.	FLOW @ MERCED AVENUE	LOSS C.F.S.	FLOW @ JUNCTION WITH WALNUT WASH	LOSS C.F.S.	FLOW @ COVINA BLVD.	LOSS C.F.S.	REMARKS
2-24	29.1	20.8	8.3	16.4	4.4	27.5	24.1	3.4	+0.06	23.8	0.36	22.1	1.7	20.5	1.6	14.0	6.5	NO FLOW IN WALNUT CREEK. END OF PERC. 5700' BELOW COVINA BLVD.

PERCOLATION LOSSES ON SAN DIMAS WASH

BASED ON METER MEASUREMENTS

1949-50

DATE	FLOW @ GRAND AVENUE	FLOW @ CITRUS AVENUE	LOSS C.F.S.	AZUSA IRRIGATION CO. PIPELINE	FLOW @ AZUSA AVENUE	LOSS C.F.S.	REMARKS
2-23	18.3	10.5	7.8	+0.4	0	10.9	END OF PERC. 150' ABOVE AZUSA AVENUE.

PERCOLATION LOSSES ON SAN JOSE CREEK

BASED ON METER MEASUREMENTS

1950-51

DATE	FLOW @ VALLEY BLVD.	FLOW @ ANAHEIM-SPADRA ROAD	LOSS C.F.S.	FLOW @ LEMON AVENUE	LOSS C.F.S.	FLOW @ NOGALES AVENUE	LOSS C.F.S.	FLOW @ LAWSON STREET	LOSS C.F.S.	REMARKS
2-28	6.0	4.8	1.2	2.7	2.1	0.3	2.4	0	0.3	END OF PERC. AT LAWSON STREET.

TABLE XI

SUMMARY OF SEASONAL DISCHARGE

Water Years 1949-50, 1950-51

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.
1949-50	F81D-R	ALHAMBRA WASH	NEAR SHORT STREET	254.	0.2	4.27	3090.	2	6	1630.
1950-51	"	" "	" " "	106.	0.2	3.26	2360.	1	11	1620.
1949-50	F152R	ALISO WASH	AT NORDHOFF STREET	11.	0	0.11	78.	2	6	77.
1950-51	"	" "	" " "	3.9	0	0.06	43.	1	29	23.
1949-50	U1-R	ARROYO SECO	ABOVE MOUTH OF CANYON	35.	0.1	2.11	1520.	11	10	150.
1950-51	"	" "	" " "	9.5	0	0.75	543.	4	29	12.
1949-50	P277-R	ARROYO SECO	BELOW DEVIL'S GATE DAM	21.	0	0.10	71.	11	10	106.
1950-51	"	" "	" " "	0.6	0	.002	1.4	9	4	26.
1950-51	F298-R	BALLONA CREEK	AT CURZON AVENUE	213.	1.4	13.8	9960.	1	10	2090.
1949-50	F388-R	BALLONA CREEK	AT SAWTELLE BOULEVARD	1620.	1.4	32.1	23250.	2	6	7670.
1950-51	"	" "	" " "	756.	0.7	26.1	18860.	1	10	5460.
1949-50	F120R	BIG DALTON CREEK	BELOW BIG DALTON DAM	8.7	0	0.17	122.	1	21	11.
1950-51	"	" "	" " " "	1.9	0	0.02	14.	1	11	10.
1949-50	U9-R	BIG DALTON CREEK	NEAR MOUTH OF CANYON	7.7	0	0.18	131.	1	23	23.
1950-51	"	" " "	" " " "	0.3	0	.005	3.2	1	11	2.6
1949-50	F274R	DALTON WASH	AT MERCED AVENUE	38.	0	0.42	306.	12	18	232.
1950-51	"	" "	" " "	11.	0	0.09	64.	1	11	175.
1949-50	F111C-R	BIG TUJUNGA CREEK	BELOW MILL CREEK	21.	0	1.48	1070.	2	6	36.
1950-51	"	" " "	" " "	**4.3**	0.01	0.55	398.	1	29	6.7
1949-50	F168R	**BIG TUJUNGA CREEK**	BELOW BIG TUJUNGA DAM NO. 1	5.4	0.2	2.64	1910.	7	2	5.4
1950-51	"	" " "	" " " " " "	12.	0.2	1.71	1240.	8	22	15.
1949-50	F213R	BIG TUJUNGA CREEK	ABOVE GOLD CANYON	30.	1.7	4.08	2960.	11	10	73.
1950-51	"	" " "	" " "	7.1	0.2	2.08	1510.	11	13	10.
1949-50	F286	TUJUNGA WASH	BELOW HANSEN DAM	0.1	0	.002	1.8	3	1	1.6
1950-51	"	" "	" " "				0			
1949-50	F20B-R	TUJUNGA WASH	AT GLEN OAKS BOULEVARD				0			
1950-51	"	" "	" " " "				0			
1949-50	F105B-R	TUJUNGA WASH	AT MAGNOLIA BOULEVARD		0	NOT DETERMINED				
1950-51	"	" "	" " "	21.	0	0.31	223.	1	29	96.
1949-50	F106-R	TUJUNGA WASH-CENTRAL BRANCH	AT MAGNOLIA BOULEVARD	6.7	0	0.61	44.	1	8	35.
1950-51	"	" " " "	" " "	3.3	0	0.03	24.	11	13	39.
1950-51	F297-R	BOUTON CREEK	AT ANAHEIM STREET	14.	0	0.16	129.	1	29	127.
1949-50	F270R	CALABASAS CREEK	AT VENTURA BOULEVARD	STATION DISCONTINUED DECEMBER 7, 1950						
1949-50	F108-R	CASTAIC CREEK	AT HIGHWAY 126				0			
1950-51	"	" "	" " "				0			
1949-50	F378-R	COMPTON CREEK	NEAR GREENLEAF DRIVE	433.	+	6.65	4820.	2	6	2830.
1950-51	"	" "	" " "	209.	+	4.90	3550.	1	10	1790.
1949-50	F41C-R	COYOTE CREEK	AT DEL AMO STREET	89.	0	2.48	1800.	2	6	240.
1950-51	"	" "	" " "	8.4	0	1.96	1420.	1	30	12.
1949-50	F265R	DOMINGUEZ CHANNEL	AT CARSON BOULEVARD	122.	2.1	9.11	6590.	2	7	132.
1950-51	"	" "	" " "	52.	3.8	12.7	9180.	1	30	67.
1949-50	F53R	DUME CREEK	AT ROOSEVELT HIGHWAY				0			
1950-51	"	" "	" " "				0			
1949-50	U2-R	EATON CREEK	ABOVE MOUTH OF CANYON	16.	0	0.21	154.	11	10	75.
1950-51	"	" "	" " " "	2.4	0	0.02	11.	4	28	12.
1949-50	F271R	EATON WASH	BELOW EATON WASH DEBRIS DAM	13.8	0	.097	70.	11	14	72.
1950-51	"	" "	" " " " "	2.3	0	0.01	7.5	5	3,4	3.9
1949-50	F104-R	EATON WASH	AT ELLIS LANE	62.	0	0.54	392.	2	6	290.
1950-51	"	" "	" " "	21.	0	0.18	133.	1	11	361.
1949-50	U7-R	FISH CREEK	ABOVE MOUTH OF CANYON	37.	0	1.23	888.	12	18	157.
1950-51	"	" "	" " " "	5.6	0	0.33	237.	4	28	16.
1949-50	U12-R	HAINES CREEK	ABOVE MOUTH OF CANYON	0.02	0	.002	1.5			
1950-51	"	" "	" " " "	0			0			
1949-50	F287-R	LA TUNA CREEK	AT BELMONT COUNTRY CLUB	+		+	+			
1950-51	"	" " "	" " " "				0			
1949-50	F149R	LIMEKILN WASH	AT DEVONSHIRE AVENUE	3.9	0	0.02	17.	2	6	22.
1950-51	"	" "	" " "	1.7	0	0.02	14.	1	29	21.
1949-50	F65B-R	LITTLE DALTON CREEK	ABOVE MOUTH OF CANYON	3.3	0	0.13	94.	12	18	8.1
1950-51	"	" " "	" " " "	0.5	0	.006	**4.2**	1	11	5.4
1949-50	L1R	LITTLE ROCK CREEK	ABOVE LITTLE ROCK DAM	114.	0	**3.41**	2470.	2	**8**	212.
1950-51	"	" " "	" " " "	4.7	0	0.60	432.	5	4	5.0
1949-50	U3-R	LITTLE SANTA ANITA CREEK	ABOVE SIERRA MADRE DAM	4.0	0.02	0.30	222.	11	10	26.
1950-51	"	" " " "	" " " "	0.5	0	0.09	64.	1	11	3.2
1949-50	F19R	LITTLE TUJUNGA CREEK	AT FOOTHILL BOULEVARD	3.1	0	0.04	29.	12	18	9.8
1950-51	"	" " "	" " "	1.4	0	.012	9.0	1	11	13.
1949-51	F31R	LIVE OAK CREEK	ABOVE MOUTH OF CANYON				0			
1950-51	"	" " "	" " " "				0			
1949-50	F58-R	LOS ANGELES RIVER	BELOW SEPULVEDA BOULEVARD	141.	2.4	7.87	5700.	2	6	413.
1950-51	"	" " "	" " "	91.	1.0	9.43	6830.	1	29	280.
1949-50	F266R	LOS ANGELES RIVER	AT MARIPOSA STREET	293.	0.3	8.05	5830.	1	8	874.
1950-51	"	" " "	" " "	241.	0.3	7.41	5370.	1	29	1300.
1949-50	F57C-R	LOS ANGELES RIVER	ABOVE ARROYO SECO	804.	0.3	14.9	10760.	2	6	2840.
1950-51	"	" " "	" " "	487.	0.5	10.8	7840.	1	11	3600.
1950-51	F300-R	LOS ANGELES RIVER	AT TUJUNGA AVENUE	181.	2.6	12.3	8900.	1	29	598.
1949-50	F34C-R	LOS ANGELES RIVER	AT FIRESTONE BOULEVARD	1770.	8.5	43.9	31760.	2	6	8480.
1950-51	"	" " "	" " "	898.	7.5	35.3	25560.	1	11	5480.
1949-50	F180R	LOS ANGELES RIVER	AT PACIFIC COAST HIGHWAY	2360.	6.3	58.3	42180.	2	6	9090.
1950-51	"	" " "	" " " "	1610.	5.6	50.6	36600.	1	29	9040.
1949-50	F279B-R	LOS CERRITOS CHANNEL	ABOVE ANAHEIM STREET	247.	0	2.63	1900.	2	6	894.
1950-51	"	" " "	" " "	161.	0	3.03	2190.	1	29	934.
1949-50	F130R	MALIBU CREEK	AT CRATER CAMP	64.	0	0.66	477.	2	6	674.
1950-51	"	" "	" " "	0.3	0	.078	56.	1	11	2.9
1949-50	F83R	MISSION CREEK (FORMERLY RIO	AT SAN GABRIEL BOULEVARD	19.	7.5	12.1	8780.	1	8	26.
1950-51	"	" " HONDO SLOUGH)	" " "	13.	5.3	9.26	6700.	1	29	13.
1949-50	F22R	MONROVIA CREEK	ABOVE SAWPIT CREEK	2.2	0.01	.072	52.	11	10	16.
1950-51	"	" "	" " "	0.6	0.01	0.04	31.	1	11	4.6
1949-50	F195R	MONROVIA STORM DRAIN	NEAR PECK ROAD	27.	0	0.38	272.	2	6	253.
1950-51	"	" " "	" " "	15.1	0	0.25	184.	1	11	323.
1949-50	F181R	MONTEBELLO STORM DRAIN	AT OUTLET INTO RIO HONDO	95.	0.1	1.71	1240.	1	8	790.
1950-51	"	" " "	" " " " "	50.	0.1	1.23	888.	1	10	333.
1949-50	F118B-R	PACOIMA CREEK FLUME	BELOW PACOIMA DAM	98.	0	1.41	1020.	4	11	314.
1950-51	"	" " "	" " "	5.3	0	0.09	66.	6	12	17.
1949-50	F16R	PACOIMA WASH	AT PARTHENIA STREET	17.	0	0.15	108.	2	6	100.
1950-51	"	" "	" " "	9.8	0	0.17	125.	1	11	102.
1949-50	F135-R	PLACERITA CREEK	AT RIDGE ROUTE HIGHWAY	12.	0	0.14	101.	1	8	71.
1950-51	"	" "	" " "	0.2	0	+	0.6	4	29	6.3
1949-50	F40R	PUDDINGSTONE CREEK	BELOW PUDDINGSTONE DAM	1.5	+	.029	28.	12	18	4.4
1950-51	"	" "	" " "	0.25	0	+	11.	12	14	3.1
1949-50	F280-R	RIO HONDO DIVERSION	BELOW SANTA FE DAM				0			
1950-51	"	" "	" " "				0			
1949-50	F192R	RIO HONDO	AT LOWER AZUSA ROAD	24.	0	0.28	203.	12	18	124.
1950-51	"	" "	" " "	24.	0	0.32	234.	1	11	636.
1949-50	F64R	RIO HONDO	ABOVE MISSION BRIDGE	808.	4.6	17.0	12280.	2	6	2340.
1950-51	"	" "	" " "	355.	2.7	10.9	7880.	1	11	2900.

SUMMARY OF SEASONAL DISCHARGE

Water Years 1949-50, 1950-51

YEAR	F.C. NUMBER	STATION	LOCATION	MAXIMUM DAILY C.F.S.	MINIMUM DAILY C.F.S.	MEAN C.F.S.	RUNOFF A.F.
1949-50	F45R	RIO HONDO	AT STEWART AND GRAY ROAD	402.	0	3.92	2840.
1950-51	"	" "	" " " "	135.	0	1.08	781.
1949-50	U14-R	ROCK CREEK	ABOVE MOUTH OF CANYON	31.	1.6	4.68	3390.
1950-51	"	" "	" " " "	3.7	0.9	1.91	1380.
1949-50	U6-R	ROGERS CREEK	ABOVE MOUTH OF CANYON	26.	0	0.86	623.
1950-51	"	" "	" " " "	3.7	0	0.13	92.
1949-50	F82C-R	RUBIO WASH	AT GLENDON WAY	161.	0	2.33	1690.
1950-51	"	" "	" " "	80.	0	1.40	1010.
1949-50	U15-R	SAN ANTONIO CREEK	BELOW EDISON CO.'S POWER PLANT	3.7	0.1	0.54	392.
1950-51	"	" " "	" " " " "	1.0	0	0.30	220.
1949-50	F151R	SAN ANTONIO CREEK	AT MOUTH OF CANYON	18.	0	.076	55.
1950-51	"	" " "	" " " "	0.3	0	+	2.8
1949-50	U10-R	SAN DIMAS CREEK	AT MOUTH OF CANYON	7.0	0	1.20	870.
1950-51	"	" " "	" " " "	4.8	0	0.38	277.
1949-50	F218-R	SAN DIMAS WASH	BELOW PUDDINGSTONE DIVERSION DAM				0
1950-51	"	" " "	" " " "				0
1949-50	F209R	SAN GABRIEL RIVER-WEST FORK	BELOW SAN GABRIEL DAM NO. 2	12.7	0.1	4.90	3550.
1950-51	"	" " " " "	" " " " " "	10.6	0.2	0.80	575.
1949-50	P3R	SAN GABRIEL RIVER-WEST FORK	ABOVE FORKS	122.	2.2	15.6	11260.
1950-51	"	" " " " "	" " "	21.	0.7	4.78	3460.
1949-50	P46-R	SAN GABRIEL RIVER-EAST FORK	ABOVE FORKS	168.	5.4	21.5	15540.
1950-51	"	" " " " "	" "	22.	1.7	8.49	6140.
1949-50	F250R	SAN GABRIEL-AZUSA CONDUIT	AT WEIR BELOW SAN GABRIEL DAM NO. 1	82.	20.	37.4	27060.
1950-51	"	" " " " "	" " " " " " " " "	70.	0	11.9	8610.
1949-50	F220R	SAN GABRIEL-AZUSA CONDUIT	AT GARCIA CANYON	82.	19.	37.5	27140.
1950-51	"	" " " " "	" " "	70.	0	11.5	8310.
1949-50	U8-R	SAN GABRIEL RIVER	BELOW MORRIS DAM	7.9	0	0.07	51.
1950-51	"	" " "	" " "	47.	0	8.61	6220.
1949-50	S100A-R	SAN GABRIEL-AZUSA-DUARTE TUNNEL	NEAR MOUTH OF SAN GABRIEL CANYON				0
1950-51	"	" " " " " DIV	" " " " " "	22.6	0	7.74	5610.
1949-50	F190R	SAN GABRIEL RIVER	AT FOOTHILL BOULEVARD	20.	0	.093	67.
1950-51	"	" " "	" " "				0
1949-50	E281-R	SAN GABRIEL RIVER	BELOW SANTA FE DAM				0
1950-51	"	" " "	" " " "				0
1949-50	F263R	SAN GABRIEL RIVER	AT BEVERLY BOULEVARD	272.	0	5.72	4130.
1950-51	"	" " "	" " "	16.	0	0.77	558.
1949-50	F262R	SAN GABRIEL RIVER	AT FLORENCE AVENUE				0
1950-51	"	" " "	" " "				0
1949-50	F42R	SAN GABRIEL RIVER	AT SPRING STREET - LONG BEACH				0
1950-51	"	" " "	" " " " "				0
1949-50	F48R	SAN JOSE CREEK	AT WORKMAN MILL ROAD	184.	0.2	2.65	1920.
1950-51	"	" " "	" " " "	21.	+	1.20	851.
1949-50	U4-R	SANTA ANITA CREEK	ABOVE SANTA ANITA DAM	31.	0.1	2.02	1460.
1950-51	"	" " "	" " " "	4.6	0.1	0.60	437.
1949-50	F119R	SANTA ANITA CREEK	BELOW BIG SANTA ANITA DAM	24.	0.01	1.81	1310.
1950-51	"	" " "	" " " " "	4.5	0	0.69	499.
1949-50	F260B-R	SANTA ANITA WASH	AT FOOTHILL BOULEVARD	6.3	0	.092	68.
1950-51	"	" " "	" " "	5.9	0	.032	23.
1949-50	F93-R	SANTA CLARA RIVER	ABOVE LANG R.R. STATION	5.2	0.8	1.54	1110.
1950-51	"	" " "	" " " "	1.7	0.6	1.07	774.
1949-50	F92B-R	SANTA CLARA RIVER	AT HIGHWAY 99	5.2	0.1	1.22	888.
1950-51	"	" " "	" " "	2.0	0.02	0.30	217.
1949-50	F137-R	SANTA CLARA RIVER	1/2 MILE WEST OF COUNTY LINE	30.	0.7	9.27	6710.
1950-51	"	" " "	" " " " " "	24.	0.6	5.92	4280.
1949-50	F278R	SAWPIT CREEK	BELOW SAWPIT DAM	1.0	0	0.03	25.
1950-51	"	" "	" " "	16.	0	.044	32.
1949-50	U5-R	SAWPIT CREEK	BELOW MONROVIA CANYON	2.2	0	0.04	26.
1950-51	"	" "	" " "	14.0	0	0.05	34.
1949-50	F185R	SEPULVEDA CREEK	AT CHARNOCK ROAD	200.	+	3.53	2560.
1949-50	F67B-R	SIERRA MADRE WASH (FORMERLY LITTLE	BELOW SIERRA MADRE DAM	6.9	0	0.07	51.
1950-51	"	" " " SANTA ANITA CR.)	" " " "	0.5	0	.003	2.0
1949-50	F267R	SIERRA MADRE WASH (FORMERLY LITTLE	AT WOODLAND AVENUE	8.2	0	0.10	74.
1950-51	"	" " " SANTA ANITA CR.)	" " "	8.4	0	.061	44.
1949-50	F43R	SYCAMORE CANYON CHANNEL	ABOVE SOLWAY STREET	2.7	0	.045	33.
1950-51	"	" " "	" " "	2.2	0	.038	28.
1949-50	F44R	SYCAMORE CANYON CHANNEL	AT ADAMS SQUARE	36.	+	0.58	420.
1950-51	"	" " "	" " "	12.7	0.01	.383	279.
1949-50	F276R	THOMPSON CREEK SPRDG. GRNDS.	AT THOMPSON CREEK DAM				0
1950-51	"	" " " " INTAKE	" " " "				0
1949-50	F32B-R	THOMPSON CREEK	BELOW THOMPSON CREEK DAM				0
1950-51	"	" "	" " " "				0
1949-50	F53	TOPANGA CREEK	ABOVE MOUTH OF CANYON	35.	0.01	0.52	379.
1950-51	"	" "	" " " "	2.4	0.01	0.102	74.
1949-50	F252R	VERDUGO CHANNEL	AT ESTELLE AVENUE	69.	0	0.88	638.
1950-51	"	" "	" " "	41.	0	0.51	383.
1949-50	F47R	WALNUT CREEK	AT COVINA BOULEVARD	96.	0	0.47	340.
1950-51	"	" "	" " "	8.5	0	0.06	44.

LEGEND

+ - - - - - - 0.05 C.F.S. OR LESS

DAM OPERATION RECORDS

FOREWORD

The District operated and maintained fourteen dams, five debris dams, and twenty-four debris basins during the 1949-50 and 1950-51 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, 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 CONTRCL 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	Dec. 1944	4714	28.2
2. Big Tujunga	July 1931	1928	6240	June 1944	4235	82.3
3. Devil's Gate	June 1920	1933	4601	Fall 1948	2561	31.9
4. Eaton Wash	Feb. 1937	Jan. 1936	956	June 1950	665 (1)	9.5
5. Big Santa Anita	Mar. 1927	1923	1376	Jan. 1947	728	10.8
6. Sawpit	June 1927	1923	476	Dec. 1943	322	3.3
7. San Gabriel No. 2	Apr. 1934	Jan. 1936	12298	Sept. 1947	10634	39.2
8. San Gabriel No. 1	July 1939	1938 (2)	53344	Nov. 1948	43825	163.5 a/
9. Big Dalton	Aug. 1929	1935 (3)	1053	Oct. 1944	952	4.5
10. San Dimas	Sept. 1922	1919	1496	Nov. 1944	1042	16.2
11. Puddingstone Div. c/	July 1928	1929	148	Sept. 1944	110	2.6
12. Puddingstone	Jan. 1928	1915	17398	Jan. 1941	17190	11.0 b/
13. Live Oak	Nov. 1922	1919	250	May 1938	228	2.3
14. Thompson Creek	Mar. 1928	Oct. 1932	812	Jan. 1943	612 (4)	3.5
Totals			106508		87818	408.8

a/ EXCLUSIVE OF DRAINAGE AREA ABOVE SAN GABRIEL DAM NO. 2.
b/ EXCLUSIVE OF DRAINAGE AREA ABOVE LIVE OAK, SAN DIMAS, AND PUDDINGSTONE DIV. DAMS.
c/ TEMPORARY STORAGE - FUNCTIONS PRIMARILY TO DIVERT FLOW.
(1) CORRECTED TO LATEST SURVEY.
(2) BASED ON A PARTIAL SURVEY PRIOR TO MARCH 2, 1938, AND EXTRAPOLATIONS.
(3) 1935 IS DATE OF FIRST COMPLETE SURVEY, ORIGINAL RECONNAISSANCE SURVEY WAS MADE IN 1923. EARLIER PUBLICATIONS SHOW STORAGE BASED ON VOLUMETRIC COMPUTATIONS WITH EXTRAPOLATIONS BASED ON THE 1923 SURVEY.
(4) LOSS IN STORAGE DUE TO LOWERING SPILLWAY LIP IN JANUARY 1942.

DEBRIS DAMS

Debris Dams	Date of Completion	Drainage Area In Sq. Miles	Capacity Cu. Yds.	Of 1950-51 Season Cu. Yds	Deposition 1949-50	Cu.Yds. 1950-51
1. Sunset	Nov. 1929	0.44	17,500	12,800	N	N
2. Verdugo	Mar. 1935	10.01 (1)	151,700 (2)	114,300	Unknown	Unknown
3. Rubio	Apr. 1944	1.26	143,900	138,900	N	N
4. Sierra Madre	Feb. 1928	2.39	81,200 (3)	69,100 (3)	N	N
5. Lower Big Dalton		0.30				
Totals		14.40	394,300	335,100		

DEBRIS BASINS

Debris Basins	Date of Completion	Drainage Area In Sq. Miles	Maximum Debris Capacity Cu. Yds.	Capacity At Beginning of 1950-51 Season Cu.Yds.	Approx. Deposition 1949-50	Debris Cu. Yds. 1950-51
1. Aliso-Wilbur	June 1942	8.63	50,300 (2)	48,700	1,870	N
2. Vanalden	Apr. 1945	1.08	5,400	4,800	N	N
3. Nichols	Nov. 1937	0.94	32,200	23,200	1,210	N
4. Stough	Jan. 1941	1.65	103,700	92,900	N	N
5. Brand	Nov. 1935	1.03	72,500 (2)	68,300	N	N
6. Scholl	Aug. 1945	0.66	30,900	30,300	N	N
7. Dunsmuir	Oct. 1936	0.84*	122,200	121,700	N	N
8. Ward	Dec. 1944	0.64*	8,600 (2)	8,600	1,147	N
9. Shields	Jan. 1937	0.27*	46,600 (2)	43,600	N	N
10. Eagle	Oct. 1936	0.61*	71,900	59,700	N	N
11. Pickens	Nov. 1935	1.84*	116,500 (2)	88,700	N	N
12. Snover	Feb. 1937	0.23*	37,700 (2)	22,900	N	N
13. Halls	Nov. 1935	1.06*(4)	104,000 (2)	84,200	N	N
14. Sparr	Feb. 1947	0.84	9,900	9,900	N	N
15. Hay	Oct. 1936	0.20	39,800 (2)	36,200	N	N
16. Paradise	June 1944	0.53	14,800 (2)	14,800	N	N
17. Gould	Dec. 1947	0.47	53,800	53,800	N	N
18. Lincoln	Jan. 1936	0.50	40,800 (2)	37,400	N	N
19. West Ravine	Dec. 1935	0.25	49,600 (2)	43,400	N	N
20. Fern	Dec. 1935	0.30	32,900 (2)	26,000	N	N
21. Fair Oaks	Dec. 1935	0.21	28,500 (2)	22,900	N	N
22. Las Flores	Apr. 1936	0.45	61,600 (2)	57,400	N	N
23. Altadena G.C.	Apprx. 1915	0.65	12,900	10,700	1,657	N
24. Bailey	Aug. 1945	0.57	10,200	9,400	N	N
Totals		24.50	1,160,300	1,019,500		
Haines (5)	June 1938	1.53	158,600 (2)	142,400	N	N

N NEGLIGIBLE

(1) EXCLUDES 5.49 SQUARE MILES OF DRAINAGE AREA CONTROLLED BY DEBRIS BASINS DESIGNATED BY *.

(2) DESIGN CAPACITY ENLARGED BY CLEANOUT.

(3) DOES NOT INCLUDE DEBRIS CAPACITY ABOVE SPILLWAY ELEVATION.

(4) INCLUDES WEBBER CANYON.

(5) OWNED AND OPERATED BY CORPS OF ENGINEERS, DEPARTMENT OF THE ARMY.

PURPOSE

Dams in the Los Angeles County Flood Control District serve two purposes, the primary purpose being flood control, the secondary, conservation. Proper flood control operation precludes any appreciable period of conservation storage during the storm season, as flood control demands that a maximum amount of storage capacity be kept in reserve. Conservation of flood waters by percolation in natural channels and off-channel spreading grounds is accomplished by regulated releases of storm waters.

Debris dams and debris basins serve primarily for the purpose of controling detritus from their respective drainage areas.

OPERATION

The major portion of available storage is kept in reserve during the winter season to enable the District to store or detain peak flood flows until valley runoff has receded sufficiently to allow the discharging of storm waters from the mountains. The conservation of inflows by sustained storage is usually commenced when the threat of the winter flood season is reasonably passed. The stored water is then released in such a manner as to be used directly for irrigation or percolated to the ground water supply.

Reclaiming of valuable storage capacity is effected by sluicing from the District reservoirs to the limit of available and safe channel capacity below the dams when runoff and storage conditions permit.

The following tabulation shows the amount of debris removed from dams by sluicing and excavation during the 1949-50 and 1950-51 seasons:

Dams	1949-50 Cu. Yds.	1950-51 Cu. Yds.
Devil's Gate	28,758 (1) 10,000 (2)	33,290 (2)
San Gabriel No. 1		165,000 (1)
Puddingstone Diversion		12,000 (2)
Eaton Wash		57,848 (2)

(1) BY SLUICING.
(2) BY EXCAVATION.

RECORDS

The daily storage and flow records at fourteen of the District dams are summarized on the Dam Operation Record Sheets. The sheets show:

1. Reservoir water surface elevations based on the United States Geological Survey datum used for the design and construction of the dam. Water stage recorder graphs or interpolation from staff gage readings are obtained and recorded as of midnight of each day.

2. Storage in acre feet based on topographic surveys taken following important changes in reservoir beds. These changes consist primarily of debris inflow during large storms and debris removal by sluicing or mechanical means.

3. Inflows in cubic feet per second are usually calculated from storage change and known outflow. When outflow is not known, the inflow may be determined from gaging station records or interpolated between measurements.

4. Outflows in cubic feet per second are mean daily valve and/or spillway discharge. These are determined from gaging station records, known valve openings and rating curves, or from storage change and known inflow.

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 San Gabriel Dams No. 1 and No. 2 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.

COMPLETE ANNUAL RESERVOIR OPERATION SUMMARY

A summary table showing total annual inflow, outflow, storages, for each of the fourteen District dams during the 1949-50 and 1950-51 is included in this report on page 347.

RESPONSIBILITY

The compilation of the records and assembly for publication dur and 1950-51 was under the immediate supervision of R. E. Lindsay, assi Brown, and J. H. Lang.

Office work was under the direction of W. J. Wood, Assistant Ch lic Division.

Determination of storage and releases during both floods and no colation flows for channels and spreading grounds, drawdown for sluici channel capacities and conditions, measuring inflows and outflows and parties affected by releases was under the direction of Finley B. Lave Hydraulic Division.

The operation and maintenance, such as mechanical operation of tenance and construction of various structures for dams, debris basins grounds and access thereto was under the supervision of R. D. Reeve, C and Maintenance Division.

F. C. Dist. Form 68A Revised 500 11/44

Daily Gage Height in feet and Operation Record of PACOIMA

In Pacoima Canyon for the Year Ending September 30, 1950

FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder Au

Drainage Area 28.2 Square Miles. Capacity of Reservoir 4714.4 Ac. Ft. at Spillway Elev. 1950.0 Ft. as of December, 1944 Survey Gage Heights Read Daily

Day	OCTOBER Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	NOVEMBER Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	DECEMBER Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	JANUARY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Day
1	1736.9		0.3	0.4	1738.2		0.2	0.4	1756.0		0.1	0	1771.6	8.9	0.1	0	1
2	1736.2		0.3	0.4	1738.1		0.2	0	1756.7		0.1	0	1771.9	8.9	0.1	0	2
3	1735.9		0.3	+	1737.8		0.2	0.4	1757.5		0.1	0	1772.3	9.0	0.1	0	3
4	1735.7		0.3	0.5	1737.9		0.2	0	1758.1		0.1	0	1772.6	9.0	0.1	0	4
5	1735.7		0.3	+	1736.7		0.2	0.5	1758.8		0.1	0	1773.1	9.1	0.1	0	5
6	1735.2		0.3	0.4	1735.9		0.2	+	1759.4		0.1	0	1773.6	9.1	0.1	0	6
7	1735.3		0.3	+	1735.7		0.2	0.4	1760.1		0.1	0	1774.1	9.2	0.1	0	7
8	1734.8		0.3	0.4	1735.6		0.1	+	1760.8		0.1	0	1774.6	9.3	0.1	0	8
9	1734.8		0.3	+	1736.5		0.2	0	1761.3		0.1	0	1774.8	9.4	0.1	0	9
10	1736.7		0.3	+	1739.0		0.4	0	1762.1		0.1	0	1775.1	9.4	0.1	0	10
11	1737.4		0.2	0.5	1739.3		0.2	0.5	1762.8		0.1	0	1775.5	9.5	0.1	0	11
12	1737.2	Only	0.2	0.4	1739.2	Only	0.1	+	1763.2	Only	0.1	0	1776.0	9.6	0.1	0	12
13	1737.2		0.2	0.3	1739.0		0.1	0.4	1763.6		0.1	0.1	1776.4	9.8	0.1	0	13
14	1737.3	Sump	0.2	0	1738.9	Sump	0.1	+	1763.9	Sump	0.1	0.3	1776.9	9.9	0.1	0	14
15	1737.2		0.2	0.4	1739.1		0.1	0	1763.6		0.1	0.1	1777.4	10.1	0.1	0	15
16	1737.5		0.2	0	1740.1		0.1	0	1763.1	in	0.1	0.2	1777.8	10.2	0.1	0	16
17	1737.5	in	0.2	0.5	1741.2	in	0.1	0	1763.3		0.1	0	1778.3	10.4	0.1	0	17
18	1737.4		0.2	0.3	1742.7		0.1	0	1764.8		0.2	0	1779.7	11.1	0.1	0	18
19	1737.5	Storage	0.2	0	1744.2	Storage	0.1	0	1765.8	Storage	0.1	0	1782.2	13.1	0.3	0	19
20	1737.5		0.2	0.4	1745.7		0.1	0	1766.3		0.1	0	1784.2	15.5	1.2	0	20
21	1737.5		0.2	0.2	1747.1		0.1	0	1766.8		0.1	0	1786.5	19.4	2.0	0	21
22	1737.0		0.2	0.2	1748.1		0.1	+	1767.4		0.1	0	1788.7	24.0	2.3	0	22
23	1737.5		0.2	0	1748.8		0.1	0	1767.9		0.1	0	1790.4	28.4	2.2	0	23
24	1737.8		0.2	0.3	1749.5		0.1	0	1768.3		0.1	0	1792.3	34.4	3.1	0	24
25	1738.0		0.2	0.1	1750.8		0.1	0	1768.8		0.1	0	1793.8	39.8	2.7	0	25
26	1738.0		0.2	0.3	1752.0		0.1	0	1769.3		0.1	0	1795.1	45.2	2.7	0	26
27	1738.4		0.2	+	1753.1		0.1	0	1769.8		0.1	0	1796.3	50.6	2.7	0	27
28	1738.4		0.2	0.4	1753.8		0.1	0	1770.3		0.1	0	1798.2	60.3	4.9	0	28
29	1736.3		0.2	0.4	1754.5		0.1	0	1770.5		0.1	0	1799.5	67.8	3.8	0	29
30	1738.4		0.2	0	1755.3		0.1	0	1770.8		0.1	0	1800.3	72.6	2.4	0	30
31	1738.3		0.2	0.4					1771.2	* 8.9	0.1	0	1801.4	79.5	3.5	0	31
TOTAL			7.2	7.2			4.2	2.6			3.2	0.7			35.6	0	
Inf. Ac. Ft.			143				83				63				706	995	
Outf. Ac. Ft.				143				52				14			0	209	
Maximum Mean Daily Inflow			0.3				0.4				0.2				4.9	0.1	
Minimum Mean Daily Inflow			0.2				0.1				0.1				0.1	0.1	
Storage Change		0				+32				+49				+706		+787	
																½ Year	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1851.0	feet	on 4-11-50	Storage	735.3	Acre Feet				
Min. W. S. Elev.	1734.5	feet	on 10-9-49	Storage	0.8±	Acre Feet				
Max. Peak Inf.	26.0	C.F.S. from 6:00 PM	on 2-6-50	to 8:00 PM	on 2-6-50					
Max. Peak Outf.	231	C.F.S. from 10:36 AM	on 4-11-50	to 10:50 AM	on 4-11-50					

RECORDS COLLECTED BY

L. L. MOORE	Dam Tender	Gage Hts. copied	JHL	GPB
L. J. TURNER	Hydrographer	Storage applied	JHL	GPB
	Hydrographer	Inf. & Outf. comp.	JHL	GPB

COMPUTATIONS ckd. Date 4-7-50

REMARKS
(Indicates average for period.
Outflows from Station F1188-R.
* Storage based on Table No. VI plus 8.8 A.F. additional sluiced area below elevation 1770.

F. C. Dist. Form 68B Revised 500 11/44

Daily Gage Height in feet and Operation Record of PACOIMA Dam

In Pacoima Canyon for the Year Ending September 30, 1950

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder Au

Drainage Area 28.2 Square Miles. Capacity of Reservoir 4714.4 Ac. Ft. at Spillway Elev. 1950.0 Ft. as of December, 1944 Survey Gage Heights Read Daily

Day	FEBRUARY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	MARCH Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	APRIL Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	MAY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Day
1	1802.5	86.9	3.7	0	1836.6	475.0	3.2	0	1846.3	643.3	2.1	0	1839.1	516.0	2.5	0	1
2	1803.2	91.7	2.5	0	1836.9	479.8	2.5	0	1846.6	649.0	2.1	0	1839.4	521.0	2.3	0	2
3	1804.0	97.4	2.8	0	1837.3	486.3	2.5	0	1846.8	652.7	2.1	0	1839.7	526.1	2.1	0	3
4	1804.7	102.6	2.6	0	1837.6	491.2	2.5	0	1847.0	656.5	2.0	0	1839.9	529.4	2.0	0	4
5	1805.5	108.6	3.1	0	1837.9	496.1	2.5	0	1847.2	660.3	2.0	0	1840.1	532.8	1.9	0	5
6	1810.0	145.7	18.7	0	1838.2	501.0	2.5	0	1847.3	662.3	2.0	0	1840.3	536.2	1.7	0	6
7	1814.0	183.0	18.8	0	1838.5	506.0	2.5	0	1847.5	666.1	2.0	0	1840.5	539.7	1.5	0	7
8	1816.8	211.4	14.3	0	1838.8	511.0	2.5	0	1848.0	675.7	4.8	0	1840.7	543.1	1.4	0	8
9	1818.9	234.1	11.4	0	1839.1	516.0	2.5	0	1849.6	707.1	15.8	0	1840.8	544.8	1.2	0	9
10	1821.1	259.4	12.8	0	1839.3	519.3	2.5	0	1850.7	729.2	11.1	0	1840.9	546.5	1.1	0	10
11	1823.0	282.3	11.5	0	1839.6	524.4	2.4	0	1844.8	615.6	8.0	65.2	1841.0	548.2	1.1	0	11
12	1824.4	299.8	8.9	0	1839.8	527.7	1.7	0	1834.0	434.3	6.6	98.0	1841.1	549.9	1.1	0	12
13	1825.8	317.8	9.0	0	1840.0	531.1	1.7	0	1831.1	391.0	6.7	28.5	1841.2	551.7	1.1	0	13
14	1827.0	333.7	8.1	0	1840.3	536.2	1.7	0	1832.0	404.1	6.6	0	1841.3	553.4	1.1	0	14
15	1828.1	348.7	7.5	0	1840.5	539.7	1.7	0	1832.7	414.6	5.3	0	1841.5	556.9	1.1	0	15
16	1829.0	361.1	6.3	0	1840.7	543.1	1.7	0	1833.4	425.2	5.3	0	1841.6	558.6	1.0	0	16
17	1829.9	373.7	6.3	0	1840.9	546.5	1.7	0	1834.0	434.3	4.6	0	1841.7	560.4	1.0	0	17
18	1830.7	385.2	5.8	0	1841.0	548.2	1.7	0	1834.5	442.0	3.9	0	1841.9	563.9	1.0	0	18
19	1831.4	395.3	5.1	0	1841.2	551.7	1.6	0	1834.9	448.2	3.2	0	1842.0	565.6	1.0	0	19
20	1832.1	405.6	5.2	0	1841.4	555.2	1.6	0	1835.3	454.4	3.2	0	1842.1	567.4	1.0	0	20
21	1832.8	416.1	5.3	0	1841.6	558.6	1.6	0	1835.7	460.7	3.1	0	1842.2	569.1	0.8	0	21
22	1833.4	425.2	4.6	0	1841.7	560.4	1.6	0	1836.1	467.0	3.1	0	1842.2	569.1	0.7	0	22
23	1833.9	432.8	3.7	0	1841.9	563.9	1.6	0	1836.5	473.4	3.0	0	1842.3	570.9	0.7	0	23
24	1834.4	440.5	3.7	0	1842.4	572.6	4.4	0	1836.9	479.8	2.9	0	1842.4	572.6	0.7	0	24
25	1834.9	448.2	3.7	0	1843.6	593.9	10.8	0	1837.2	484.7	2.8	0	1842.6	576.2	0.7	0	25
26	1835.3	454.4	3.6	0	1844.2	604.6	5.4	0	1837.6	491.2	2.8	0	1842.7	577.9	0.7	0	26
27	1835.8	462.3	3.6	0	1844.7	613.7	4.6	0	1837.9	496.1	2.7	0	1842.8	579.7	0.7	0	27
28	1836.2	468.6	3.6	0	1845.1	621.1	3.7	0	1838.2	501.0	2.7	0	1842.8	579.7	0.7	0	28
29					1845.4	626.6	2.8	0	1838.5	506.0	2.7	0	1842.9	581.4	0.7	0	29
30					1845.8	634.0	2.8	0	1838.8	511.0	2.6	0	1842.9	581.4	0.7	0	30
31					1846.0	637.7	2.8	0					1842.8	579.7	0.6	1.5	31
TOTAL			196.2	0			85.3	0			127.8	191.0			36.1	1.5	
Inf. Ac. Ft.			389.2				169.2				253.5				71.6	983.0	
Outf. Ac. Ft.				0				0				380.2			3.0	404.1	
Maximum Mean Daily Inflow			18.8				10.8				15.8				2.5	18.8	
Minimum Mean Daily Inflow			2.5				1.6				2.0				0.6	0.1	
Storage Change		+389.1				+169.1				-126.7				+68.7		+579.9	
																¾ Year	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1851.0	feet	on 4-11-50	Storage	735.3	Acre Feet				
Min. W. S. Elev.	1734.5	feet	on 10-9-49	Storage	0.8±	Acre Feet				
Max. Peak Inf.	26.0	C.F.S. from 6:00 PM	on 2-6-50	to 8:00PM	on 2-6-50					
Max. Peak Outf.	231.	C.F.S. from 10:36 AM	on 4-11-50	to 10 SOAM	on 4-11-50					

RECORDS COLLECTED BY

L. L. MOORE	Dam Tender	Gage Hts. copied	GPB	JHL 9-18-50
L. J. TURNER	Hydrographer	Storage applied	GPB	JHL
	Hydrographer	Inf. & Outf. comp.	GPB	JHL

COMPUTATIONS ckd. Date

REMARKS
8.8 A.F. added to Storage Rating Table for additional storage below Elevation 1770.
(Indicates average for period.

F. C. Dist. Form 86C Revised 500 11/44

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, 1950

Continuous Water Stage Recorder Au

Drainage Area 28.2 Square Miles. Capacity of Reservoir 4714.4 Ac. Ft. at Spillway Elev. 1950.0 Ft. as of December, 1944 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	1842.2	569.1	0.6	4.7	1824.2	297.2	0.4	5.5	1780.7	11.8	0.4	3.2	1791.2	30.7	0.3	0	1
2	1841.8	562.1	0.6	4.4	1823.4	287.3	0.4	5.5	1782.2	13.1	0.4	0	1791.4	31.4	0.3	0	2
3	1841.3	553.4	0.5	4.7	1822.6	277.4	0.4	5.5	1782.7	13.6	0.4	0	1791.6	32.0	0.3	0	3
4	1840.9	546.5	0.5	4.6	1821.8	267.7	0.4	5.5	1783.1	14.0	0.4	0	1791.7	32.3	0.3	0	4
5	1840.5	539.7	0.5	4.5	1820.9	257.0	0.4	5.5	1783.6	14.9	0.4	0	1791.8	32.7	0.3	0	5
6	1840.0	531.1	0.5	4.6	1820.0	246.6	0.4	5.5	1784.3	15.6	0.4	0	1791.9	33.0	0.3	0	6
7	1839.4	521.0	0.5	4.8	1819.1	236.3	0.4	5.5	1784.8	16.4	0.4	0	1792.0	33.3	0.3	0	7
8	1838.9	512.6	0.4	5.0	1818.3	227.5	0.4	5.0	1785.3	17.2	0.4	0	1792.1	33.7	0.3	0	8
9	1838.4	504.3	0.4	5.0	1817.5	218.9	0.4	5.0	1785.8	18.1	0.3	0	1792.3	34.4	0.3	0	9
10	1837.8	494.4	0.4	5.0	1816.7	210.4	0.3	5.0	1786.2	18.8	0.3	0	1792.4	34.7	0.3	0	10
11	1837.3	486.3	0.4	5.0	1815.8	201.1	0.3	5.0	1786.5	19.4	0.3	0	1792.6	35.4	0.3	0	11
12	1836.7	476.6	0.4	5.1	1814.9	191.9	0.3	5.0	1786.8	19.9	0.3	0	1792.7	35.8	0.3	0	12
13	1836.2	468.6	0.4	5.0	1814.0	183.0	0.3	4.9	1787.2	20.7	0.3	0	1792.8	36.1	0.2	0	13
14	1835.6	459.1	0.4	5.0	1813.1	174.3	0.3	4.9	1787.4	21.1	0.3	0	1792.9	36.5	0.2	0	14
15	1835.0	449.7	0.4	5.0	1812.1	164.6	0.3	4.9	1787.6	21.6	0.3	0	1793.1	37.2	0.2	0	15
16	1834.5	442.0	0.4	4.9	1811.2	156.5	0.3	4.9	1787.7	21.8	0.3	0	1793.2	37.6	0.2	0	16
17	1833.9	432.8	0.4	4.9	1810.2	147.5	0.3	4.9	1788.1	22.6	0.3	0	1793.4	38.3	0.2	0	17
18	1833.3	423.7	0.4	4.9	1809.1	137.9	0.3	4.8	1788.4	23.3	0.3	0	1793.6	39.1	0.2	0	18
19	1832.8	416.1	0.4	4.9	1808.0	128.6	0.3	5.0	1788.6	23.8	0.3	0	1793.7	39.5	0.2	0	19
20	1832.2	407.1	0.4	4.8	1806.8	118.8	0.3	5.1	1788.7	24.0	0.3	0	1793.8	39.8	0.2	0	20
21	1831.6	398.3	0.4	4.8	1805.6	109.4	0.3	5.1	1789.0	24.7	0.3	0	1793.9	40.2	0.2	0	21
22	1831.0	389.5	0.4	5.2	1804.4	100.4	0.3	5.1	1789.3	25.5	0.3	0	1794.1	41.0	0.2	0	22
23	1830.3	379.4	0.4	5.4	1803.0	90.3	0.3	5.1	1789.5	26.0	0.3	0	1794.2	41.4	0.2	0	23
24	1829.5	368.1	0.4	5.4	1801.8	82.2	0.3	5.0	1789.7	26.5	0.3	0	1794.4	42.2	0.2	0	24
25	1828.8	358.3	0.4	5.4	1800.5	73.8	0.3	5.0	1789.8	26.8	0.3	0	1794.5	42.7	0.2	0	25
26	1828.1	348.7	0.4	5.4	1798.8	63.7	0.3	4.9	1790.0	27.3	0.3	0	1794.6	43.1	0.2	0	26
27	1827.4	339.1	0.4	5.4	1796.9	53.5	0.3	4.9	1790.1	27.6	0.3	0	1794.7	43.5	0.2	0	27
28	1826.6	328.4	0.4	5.4	1795.0	44.7	0.3	4.8	1790.4	28.4	0.3	0	1794.7	43.5	0.2	0	28
29	1825.8	317.8	0.4	5.4	1792.3	34.4	0.3	4.8	1790.6	29.0	0.3	0	1794.8	43.9	0.2	0	29
30	1825.0	307.4	0.3	5.5	1789.3	25.5	0.3	4.7	1790.7	29.3	0.3	0	1794.9	44.3	0.2	0	30
31					1784.9	16.5	0.3	4.6	1791.0	30.1	0.3	0					31
TOTAL			12.8	150.1			10.2	156.9			10.1	3.2			7.2	0	
Inf. Ac. Ft.			25.4				20.2				20.0			14.3		106.29	
Outf. Ac. Ft.				29.7.7				31.1.2				6.3			0	101.93	
Maximum Mean Daily Inflow			0.6				0.4				0.4			0.3		1.8.8	
Minimum Mean Daily Inflow			0.3				0.3				0.3			0.2		0.1	
Storage Change		-272.3				-290.9				+13.6				+14.2		+43.5	

NOTE: Gage Heights and Storages as of Midnight on Day Shown — Yearly Totals

Max. W. S. Elev.	1851.0	feet	on 4-11-50	Storage	735.3	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1734.5	feet	on 10-9-49	Storage	0.8+	Acre Feet	L. L. MOORE	Dam Tender	Gage Hts. copied	GPB JHL	
Max. Peak Inf.	26.	C. F. S. from	6:00 PM	on 2-6-50	to 8:00 PM	on 2-6-50	L. J. TURNER	Hydrographer	Storage applied	GPB JHL	
Max. Peak Outf.	231.	C. F. S. from	10:36 AM	on 4-11-50	to 10:50 AM	on 4-11-50		Hydrographer	Inf. & Outf. comp.	GPB JHL	11-6-50

REMARKS Storage based on Table No VI + 8.8 A.F. additional sluiced area.
[indicates average for period.

F. C. Dist. Form 86A Revised 500 11/44

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, 1951

Continuous Water Stage Recorder Au

Drainage Area 28.2 Square Miles. Capacity of Reservoir 4714.4 Ac. Ft. at Spillway Elev. 1950.0 Ft. as of December, 1944 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	1794.9	443	0.1	0	1796.4	511	0.1	0	1797.5	566	0.07	0	1798.4	614	0.06	0	1
2	1794.8	439	0.1	0	1796.4	511	0.1	0	1797.5	566	0.07	0	1798.4	614	0.06	0	2
3	1794.8	439	0.1	0	1796.4	511	0.1	0	1797.5	566	0.07	0	1798.4	614	0.06	0	3
4	1794.8	439	0.1	0	1796.4	511	0.1	0	1797.5	566	0.07	0	1798.4	614	0.06	0	4
5	1794.8	439	0.1	0	1796.4	511	0.1	0	1797.5	566	0.07	0	1798.5	620	0.06	0	5
6	1794.8	439	0.1	0	1796.4	511	0.1	0	1797.5	566	0.07	0	1798.5	620	0.06	0	6
7	1794.9	443	0.1	0	1796.5	516	0.1	0	1797.5	566	0.07	0	1798.5	620	0.06	0	7
8	1794.9	443	0.1	0	1796.5	516	0.1	0	1797.6	571	0.07	0	1798.5	620	0.06	0	8
9	1794.9	443	0.1	0	1796.5	516	0.1	0	1797.6	571	0.07	0	1798.5	620	0.06	0	9
10	1794.9	443	0.1	0	1796.6	521	0.1	0	1797.6	571	0.07	0	1798.5	620	0.06	0	10
11	1795.0	447	0.1	0	1796.6	521	0.1	0	1797.6	571	0.07	0	1798.6	626	0.3	0	11
12	1795.0	447	0.1	0	1796.6	521	0.1	0	1797.6	571	0.07	0	1798.7	631	0.2	0	12
13	1795.1	452	0.1	0	1796.7	526	0.1	0	1797.6	571	0.07	0	1798.7	631	0.2	0	13
14	1795.2	456	0.1	0	1796.7	526	0.1	0	1797.6	571	0.07	0	1798.8	637	0.1	0	14
15	1795.2	456	0.1	0	1796.8	530	0.1	0	1797.6	571	0.07	0	1798.8	637	0.1	0	15
16	1795.3	461	0.1	0	1796.8	530	0.1	0	1797.6	571	0.07	0	1798.9	642	0.1	0	16
17	1795.3	461	0.1	0	1796.8	530	0.1	0	1797.7	576	0.07	0	1798.9	642	0.1	0	17
18	1795.4	465	0.1	0	1796.9	535	0.1	0	1797.7	576	0.07	0	1798.9	642	0.1	0	18
19	1795.4	465	0.1	0	1797.1	545	0.1	0	1797.7	576	0.07	0	1799.0	648	0.1	0	19
20	1795.5	470	0.1	0	1797.2	550	0.1	0	1797.8	582	0.07	0	1799.0	648	0.1	0	20
21	1795.5	470	0.1	0	1797.2	550	0.1	0	1797.8	582	0.07	0	1799.0	648	0.1	0	21
22	1795.6	474	0.1	0	1797.3	556	0.1	0	1797.8	582	0.07	0	1799.1	654	0.1	0	22
23	1795.6	474	0.1	0	1797.3	556	0.1	0	1797.9	587	0.07	0	1799.1	654	0.1	0	23
24	1795.6	474	0.1	0	1797.3	556	0.1	0	1798.0	592	0.07	0	1799.2	660	0.3	0	24
25	1795.7	479	0.1	0	1797.4	561	0.1	0	1798.0	592	0.07	0	1799.3	666	0.3	0	25
26	1795.8	483	0.1	0	1797.4	561	0.1	0	1798.1	598	0.07	0	1799.4	672	0.3	0	26
27	1795.9	488	0.1	0	1797.4	561	0.1	0	1798.1	598	0.07	0	1799.6	683	0.5	0	27
28	1796.0	492	0.1	0	1797.5	566	0.1	0	1798.2	603	0.07	0	1799.8	695	0.6	0	28
29	1796.1	497	0.1	0	1797.5	566	0.1	0	1798.2	603	0.07	0	1800.0	707	0.6	0	29
30	1796.2	502	0.1	0	1797.5	566	0.1	0	1798.3	609	0.07	0	1800.1	713	0.4	0	30
31	1796.3	506	0.2	0					1798.3	609	0.07	0	1800.2	719	0.2	0	31
TOTAL			3.2	0			3.0	0			2.17	0			5.5	0	
Inf. Ac. Ft.			6.3				6.0				4.3				10.9	27.5	
Outf. Ac. Ft.				0				0				0			0	0	
Maximum Mean Daily Inflow			0.2				0.1				0.07				0.6	0.6	
Minimum Mean Daily Inflow			0.1				0.1				0.07				0.06	0.06	
Storage Change		+63				+60				+43				+110		+275	

NOTE: Gage Heights and Storages as of Midnight on Day Shown — ½ Year.

Max. W. S. Elev.	1811.1	feet	on 6-10 to 12-51	Storage	156.	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1794.8	feet	on 10-2-7-50	Storage	43.9	Acre Feet	L. L. MOORE	Dam Tender	Gage Hts. copied	GPB JHL	
Max. Peak Inf.	2.4	C. F. S. from	4:00 PM	on 4-29-51	to 10:30 PM	on 4-29-51	L. J. TURNER	Hydrographer	Storage applied	GPB JHL	
Max. Peak Outf.	5.9	C. F. S. from	9:20 PM	on 9-30-51	to 10:20 PM	on 9-30-51		Hydrographer	Inf. & Outf. comp.	GPB JHL	4-10-51

REMARKS Storage based on Table No. VI plus 8.8 A.F. additional area below Elevation 1770. APK 11-13-51
[indicates average for period.

F. C. Dist. Form 88B Revised 500 11/44

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, 1951

Continuous Water Stage Recorder Au

Drainage Area 28.2 Square Miles. Capacity of Reservoir 4714.4 Ac. Ft. at Spillway Elev. 1950.0 Ft. as of December, 1944 Survey Gage Heights Read Daily

Day	FEBRUARY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	MARCH Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	APRIL Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	MAY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Day
1	1800.3	726	0.2	0	1803.4	931	0.7	0	1806.6	1172	0.4	0	1809.4	1405	0.3	0	1
2	1800.4	732	0.2	0	1803.5	939	0.3	0	1806.7	1180	0.4	0	1809.5	1414	0.3	0	2
3	1800.5	738	0.3	0	1803.6	946	0.3	0	1806.8	1188	0.4	0	1809.6	1422	0.3	0	3
4	1800.6	744	0.3	0	1803.7	953	0.4	0	1806.9	1196	0.5	0	1809.7	1431	0.3	0	4
5	1800.6	744	0.3	0	1803.8	960	0.4	0	1807.0	1204	0.4	0	1809.8	1440	0.3	0	5
6	1800.7	750	0.3	0	1803.9	967	0.4	0	1807.1	1212	0.4	0	1809.8	1440	0.3	0	6
7	1800.8	757	0.3	0	1804.0	974	0.4	0	1807.2	1220	0.4	0	1809.9	1448	0.3	0	7
8	1800.9	763	0.3	0	1804.2	989	0.6	0	1807.3	1229	0.4	0	1810.0	1457	0.3	0	8
9	1801.0	769	0.3	0	1804.3	996	0.5	0	1807.4	1237	0.3	0	1810.0	1457	0.2	0	9
10	1801.1	776	0.4	0	1804.4	1004	0.5	0	1807.5	1245	0.3	0	1810.1	1466	0.2	0	10
11	1801.3	789	0.4	0	1804.5	1011	0.5	0	1806.6	1253	0.3	0	1810.1	1466	0.2	0	11
12	1801.4	795	0.4	0	1804.6	1018	0.4	0	1806.6	1253	0.3	0	1810.2	1475	0.2	0	12
13	1801.5	802	0.4	0	1804.7	1026	0.4	0	1807.7	1261	0.3	0	1810.3	1484	0.2	0	13
14	1801.6	809	0.4	0	1804.8	1033	0.4	0	1807.8	1270	0.3	0	1810.3	1484	0.3	0	14
15	1801.7	815	0.3	0	1804.9	1047	0.4	0	1807.8	1270	0.3	0	1810.4	1493	0.3	0	15
16	1801.8	822	0.3	0	1805.1	1056	0.4	0	1807.9	1278	0.3	0	1810.4	1493	0.3	0	16
17	1801.9	828	0.3	0	1805.2	1063	0.4	0	1808.0	1286	0.3	0	1810.2	1475	0.3	1.4	17
18	1802.0	835	0.4	0	1805.3	1071	0.4	0	1808.1	1294	0.3	0	1810.3	1484	0.3	0	18
19	1802.1	842	0.4	0	1805.3	1071	0.4	0	1808.1	1294	0.3	0	1810.3	1484	0.3	0	19
20	1802.2	849	0.4	0	1805.4	1078	0.3	0	1808.2	1303	0.3	0	1810.4	1493	0.3	0	20
21	1802.3	855	0.3	0	1805.5	1086	0.3	0	1808.3	1311	0.3	0	1810.4	1493	0.3	0	21
22	1802.4	862	0.3	0	1805.6	1094	0.3	0	1808.4	1320	0.3	0	1810.5	1502	0.3	0	22
23	1802.5	869	0.4	0	1805.7	1101	0.3	0	1808.5	1328	0.4	0	1810.6	1511	0.3	0	23
24	1802.6	876	0.4	0	1805.8	1109	0.3	0	1808.5	1328	0.4	0	1810.7	1520	0.3	0	24
25	1802.7	883	0.3	0	1805.9	1116	0.3	0	1808.6	1336	0.4	0	1810.7	1520	0.3	0	25
26	1802.8	889	0.3	0	1806.0	1124	0.4	0	1808.7	1345	0.4	0	1810.8	1529	0.3	0	26
27	1803.0	903	0.7	0	1806.1	1132	0.4	0	1808.8	1353	0.4	0	1810.8	1529	0.3	0	27
28	1803.2	917	0.7	0	1806.2	1140	0.4	0	1809.0	1370	0.9	0	1810.7	1520	0.3	0.5	28
29					1806.3	1148	0.4	0	1809.3	1396	1.3	0	1810.6	1511	0.3	1.1	29
30					1806.4	1156	0.5	0	1809.4	1405	0.5	0	1810.6	1511	0.3	0	30
31					1806.5	1164	0.4	0					1810.7	1520	0.3	0	31
TOTAL			10.0	0			12.5	0			12.2	0			8.8	3.0	
Inf. Ac. Ft.			198				248				242				175	113.8	
Outf. Ac. Ft.				0				0				0			60	60	
Maximum Mean Daily Inflow			0.7				0.7				1.3				0.3	1.3	
Minimum Mean Daily Inflow			0.2				0.3				0.3				0.2	0.06	
Storage Change		+198				+24.7				+24.1				+11.5		+107.7	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

% Year

Max. W. S. Elev.	1811.1	feet on	6-10-12-51	Storage	156	Acre Feet		
Min. W. S. Elev.	1794.8	feet on	10-2-7-50	Storage	43.9	Acre Feet		
Max. Peak Inf.	2.4	C. F. S. from	4:00 PM	on 4-29-51	to 10:30 PM	on 4-29-51		
Max. Peak Outf.	5.9	C. F. S. from	9:20 PM	on 9-30-51	to 10:20 PM	on 9-30-51		

RECORDS COLLECTED BY

L. L. MOORE	Dam Tender
L. J. TURNER	Hydrographer
	Hydrographer

COMPUTATIONS

	ckd.	Date
Gage Hts. copied	GPB	
Storage applied	GPB	
Inf. & Outf. comp.	GPB	

REMARKS Storage based on Table VI plus 8.8 A.F. additional area below Elevation 1770.
(Indicates average for period.

F. C. Dist. Form 88C Revised 500 11/44

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, 1951

Continuous Water Stage Recorder Au

Drainage Area 28.2 Square Miles. Capacity of Reservoir 4714.4 Ac. Ft. at Spillway Elev. 1950.0 Ft. as of December, 1944 Survey Gage Heights Read Daily

Day	JUNE Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	JULY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	AUGUST Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	SEPTEMBER Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Day
1	1810.7	1520	0.3	0	1810.0	1457	0.2	0	1809.3	1396	0.1	0.7	1809.6	1422	0.1	0	1
2	1810.8	1529	0.3	0	1810.0	1457	0.2	0.7	1809.3	1396	0.1	0	1809.6	1422	0.1	0	2
3	1810.8	1529	0.3	0	1810.0	1457	0.2	0	1809.1	1379	0.1	0.9	1809.7	1431	0.1	0	3
4	1810.9	1538	0.3	0	1810.0	1457	0.1	0	1809.1	1379	0.1	0	1809.7	1431	0.1	0	4
5	1810.8	1529	0.3	0.8	1810.1	1466	0.1	0	1809.2	1387	0.1	0	1809.7	1431	0	0	5
6	1810.8	1529	0.3	0	1810.1	1466	0.1	0	1809.2	1387	0.1	0	1809.7	1431	0	0	6
7	1810.9	1538	0.3	0	1810.1	1466	0.1	0	1809.2	1387	0.1	0	1809.7	1431	0	0	7
8	1811.0	1547	0.3	0	1810.1	1466	0.1	0	1809.2	1387	0	0	1809.7	1431	0	0	8
9	1811.0	1547	0.3	0	1810.2	1475	0.1	0	1809.2	1387	0	0	1809.7	1431	0	0	9
10	1811.1	1556	0.3	0	1810.2	1475	0.1	0	1809.2	1387	0.1	0	1809.7	1431	0	0	10
11	1811.1	1556	0.3	0	1810.2	1475	0.1	0	1809.2	1387	0.1	0	1809.7	1431	0	0	11
12	1810.9	1538	0.2	1.0	1810.3	1484	0.1	0	1809.3	1396	0.1	0	1809.7	1431	0	0	12
13	1810.8	1529	0.2	0.7	1810.3	1484	0.1	0	1809.3	1396	0.1	0	1809.7	1431	0	0	13
14	1810.8	1529	0.2	0.6	1810.3	1484	0.1	0	1809.3	1396	0	0	1809.7	1431	0	0	14
15	1810.7	1520	0.2	0.9	1810.3	1484	0.1	0	1809.3	1396	0	0	1809.7	1431	0.1	0	15
16	1810.7	1520	0.2	0	1810.3	1484	0.1	0	1809.3	1396	0	0	1809.8	1440	0.1	0	16
17	1810.8	1529	0.2	0	1810.2	1475	0.1	0.7	1809.3	1396	0	0	1809.8	1440	0	0	17
18	1810.6	1511	0.2	0.9	1810.0	1457	0.1	0.8	1809.3	1396	0.1	0	1809.8	1440	0	0	18
19	1810.7	1520	0.2	0	1809.9	1448	0.1	0.8	1809.4	1405	0.1	0	1809.8	1440	0	0	19
20	1810.5	1502	0.2	0.8	1809.7	1431	0.1	0.7	1809.4	1405	0.1	0	1809.8	1440	0	0	20
21	1810.4	1493	0.2	0.8	1809.7	1431	0.1	0	1809.4	1405	0.1	0	1809.8	1440	0	0	21
22	1810.3	1484	0.2	0.8	1809.8	1440	0.1	0	1809.4	1405	0.1	0	1809.8	1440	0	0	22
23	1810.4	1493	0.2	0	1809.6	1422	0.1	0.9	1809.4	1405	0.1	0	1809.8	1440	0.1	0	23
24	1810.4	1493	0.2	0	1809.6	1422	0.1	0	1809.4	1405	0.1	0	1809.8	1440	0.1	0	24
25	1810.3	1484	0.2	0.8	1809.6	1422	0.1	0	1809.4	1405	0.1	0	1809.8	1440	0.1	0	25
26	1810.3	1484	0.2	0	1809.7	1431	0.1	0	1809.4	1405	0.1	0	1809.8	1440	0.1	0.1	26
27	1810.2	1475	0.2	0.9	1809.7	1431	0.1	0	1809.4	1405	0.1	0	1809.8	1440	0.1	0.1	27
28	1810.0	1457	0.2	0.7	1809.7	1431	0.1	0	1809.4	1405	0.1	0	1809.2	1387	0.1	2.8	28
29	1809.9	1448	0.2	0.6	1809.8	1440	0.1	0	1809.5	1414	0.1	0	1807.9	1278	0.1	5.6	29
30	1810.0	1457	0.2	0	1809.6	1422	0.1	0.7	1809.6	1422	0.1	0	1806.6	1172	0.1	5.4	30
31					1809.4	1405	0.1	0.7	1809.6	1422	0.1	0					31
TOTAL			7.1	10.3			3.4	6.0			2.5	1.6			1.4	14.0	
Inf. Ac. Ft.			141				67				50				2.8	142.4	
Outf. Ac. Ft.			204				119				32				27.8	69.3	
Maximum Mean Daily Inflow			0.3				0.2				0.1				0.1	1.3	
Minimum Mean Daily Inflow			0.2				0.1				0				0	0	
Storage Change		-63				-52				+17				-250		+729	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Yearly Totals

Max. W. S. Elev.	1811.1	feet on	6-10-12-51	Storage	156	Acre Feet		
Min. W. S. Elev.	1794.8	feet on	10-2-7-50	Storage	43.9	Acre Feet		
Max. Peak Inf.	2.4	C. F. S. from	4:00 PM	on 4-29-51	to 10:20 PM	on 4-29-51		
Max. Peak Outf.	5.9	C. F. S. from	9:20 PM	on 9-30-51	to 10:20 PM	on 9-30-51		

RECORDS COLLECTED BY

L. L. MOORE	Dam Tender
L. J. TURNER	Hydrographer
	Hydrographer

COMPUTATIONS

	ckd.	Date
Gage Hts. copied	GPB WLT	
Storage applied	GPB WLT	
Inf. & Outf. comp.	GPB WLT	
	APK	

REMARKS Storage based on Table VI plus 8.8 A.F. additional area below Elevation 1770.
(Indicates average for period.

F. C. Dist. Form 86A Revised 500 11/44

Daily Gage Height in feet and Operation Record of BIG TUJUNGA Dam

In Big Tujunga Canyon for the Year Ending September 30, 1950

On

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder Au

Drainage Area 82.3 Square Miles. Capacity of Reservoir 4235.3 Ac. Ft. at Spillway Elev. 2290.0 Ft. as of June 1944 Survey Gage Heights Read Daily

OCTOBER

Day	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow
1	2203.7	475.0	0.2	4.0
2	2203.3	467.6	0.2	4.0
3	2202.9	460.3	0.3	4.0
4	2202.6	454.9	0.3	4.0
5	2202.2	447.7	0.3	4.0
6	2201.8	440.6	0.3	4.0
7	2201.3	431.8	0.3	4.0
8	2200.9	424.8	0.3	4.0
9	2200.5	417.9	0.3	3.9
10	2200.1	410.9	0.3	3.9
11	2199.7	404.2	0.3	3.9
12	2199.3	397.4	0.4	3.9
13	2198.9	390.8	0.4	3.9
14	2198.5	384.2	0.4	3.9
15	2198.0	376.0	0.4	3.9
16	2197.6	369.6	0.4	3.9
17	2197.2	363.2	0.5	3.8
18	2196.8	356.9	0.5	3.8
19	2196.4	350.6	0.5	3.8
20	2195.9	342.9	0.5	3.8
21	2195.5	336.8	0.6	3.8
22	2195.1	330.7	0.6	3.8
23	2194.7	324.8	0.6	3.8
24	2194.3	318.8	0.6	3.7
25	2193.9	313.0	0.7	3.7
26	2193.4	305.7	0.7	3.7
27	2193.0	299.9	0.7	3.7
28	2192.6	294.3	0.7	3.7
29	2192.2	288.7	0.7	3.7
30	2191.8	283.2	0.7	3.6
31	2191.3	276.4	0.7	3.6
TOTAL			14.4	119.2
Inf. Ac. Ft.			28.6	
Outf. Ac. Ft.			236.4	
Maximum Mean Daily Inflow			0.7	
Minimum Mean Daily Inflow			0.2	
Storage Change			-207.9	

NOVEMBER

Day	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow
1	2190.9	271.0	0.9	3.6
2	2190.5	265.7	0.9	3.6
3	2190.1	260.4	0.9	3.6
4	2189.7	255.2	1.0	3.6
5	2189.3	250.1	1.0	3.6
6	2188.9	245.0	1.0	3.6
7	2188.5	240.0	1.0	3.5
8	2188.1	235.0	1.0	3.5
9	2187.7	230.0	1.0	3.5
10	2188.4	238.7	7.9	3.5
11	2188.1	235.0	1.6	3.5
12	2187.7	230.0	1.1	3.5
13	2187.3	225.2	1.2	3.5
14	2186.9	220.3	1.2	3.4
15	2186.6	216.8	1.2	3.4
16	2186.2	212.1	1.5	3.4
17	2185.9	208.6	1.5	3.4
18	2185.6	205.1	1.5	3.4
19	2185.3	201.7	1.5	3.4
20	2185.0	198.3	1.6	3.4
21	2184.7	195.0	1.6	3.4
22	2184.5	192.8	1.6	3.0
23	2184.4	191.6	1.6	2.5
24	2184.2	189.4	1.6	2.5
25	2184.0	187.2	1.6	2.5
26	2183.8	185.0	1.6	2.4
27	2183.7	184.0	1.6	2.4
28	2183.5	181.8	1.6	2.4
29	2183.3	179.6	1.6	2.4
30	2183.2	178.6	1.5	2.3
TOTAL			46.4	95.7
Inf. Ac. Ft.			92.0	
Outf. Ac. Ft.			189.8	
Maximum Mean Daily Inflow			7.9	
Minimum Mean Daily Inflow			0.9	
Storage Change			-97.8	

DECEMBER

Day	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow
1	2183.0	176.4	1.5	2.3
2	2182.8	174.3	1.5	2.3
3	2182.7	173.3	1.5	2.3
4	2182.5	171.2	1.5	2.3
5	2182.4	170.2	1.5	2.3
6	2182.2	168.1	1.4	2.3
7	2182.1	167.0	1.4	2.3
8	2182.3	169.1	3.3	2.3
9	2182.4	170.2	2.8	2.2
10	2182.4	170.2	2.2	2.2
11	2182.3	169.1	1.9	2.2
12	2182.2	168.1	1.8	2.2
13	2182.1	167.0	1.8	2.2
14	2182.1	167.0	1.8	2.2
15	2182.1	167.0	1.8	2.2
16	2182.0	166.0	1.8	2.2
17	2181.9	165.0	1.8	2.2
18	2184.1	188.3	14.0	2.2
19	2186.8	219.1	16.9	1.4
20	2188.3	237.5	9.6	0.3
21	2189.1	247.5	5.8	0.8
22	2189.6	253.9	5.5	2.2
23	2190.2	261.7	4.1	0.2
24	2190.8	269.7	4.2	0.2
25	2191.3	276.4	3.6	0.2
26	2191.8	283.2	3.6	0.2
27	2192.2	288.7	3.2	0.2
28	2192.6	294.3	3.1	0.2
29	2193.0	299.9	3.0	0.2
30	2193.4	305.7	3.0	0.2
31	2193.8	311.5	3.0	0.2
TOTAL			113.9	46.9
Inf. Ac. Ft.			225.9	
Outf. Ac. Ft.			93.0	
Maximum Mean Daily Inflow			16.9	
Minimum Mean Daily Inflow			1.4	
Storage Change			+132.9	

JANUARY

Day	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow
1	2194.2	317.4	2.8	0.2
2	2194.5	321.8	2.8	0.2
3	2194.9	327.7	2.8	0.2
4	2195.2	332.2	2.8	0.2
5	2195.5	336.8	2.8	0.2
6	2195.9	342.9	2.8	0.2
7	2196.2	347.5	2.7	0.2
8	2197.2	363.2	8.2	0.2
9	2198.9	390.8	14.1	0.2
10	2199.7	404.2	6.9	0.2
11	2200.9	424.8	10.6	0.2
12	2202.0	444.1	10.0	0.2
13	2202.8	458.5	7.4	0.2
14	2203.6	473.1	7.6	0.2
15	2204.3	486.1	6.7	0.2
16	2204.8	495.5	5.7	0.2
17	2205.4	507.0	5.7	0.2
18	2206.0	518.5	5.7	0.2
19	2206.6	530.3	5.6	0.2
20	2207.1	540.1	5.6	0.2
21	2207.7	552.2	5.5	0.2
22	2208.2	562.3	5.4	0.2
23	2208.7	572.6	5.4	0.2
24	2209.2	583.1	5.4	0.2
25	2209.7	593.7	5.4	0.2
26	2210.1	602.3	5.4	0.2
27	2210.5	611.0	4.6	0.2
28	2211.0	621.8	5.6	0.2
29	2211.6	635.1	6.9	0.2
30	2212.1	646.2	5.8	0.2
31	2212.6	657.4	5.9	0.2
TOTAL			180.6	6.2
Inf. Ac. Ft.			358.2	704.7
Outf. Ac. Ft.			12.3	531.5
Maximum Mean Daily Inflow			14.1	16.9
Minimum Mean Daily Inflow			2.8	0.2
Storage Change			+345.9	+173.1

NOTE: Gage Heights and Storages as of Midnight on Day Shown

½ Year

Max. W. S. Elev.	2243.6	feet on	5-11 to 5-22-50	Storage	1555.8	Acre Feet		
Min. W. S. Elev.	2181.9	feet on	12-17-49	Storage	165.0	Acre Feet		
Max. Peak Inf.	43.2	C.F.S. from	6:00 PM	on	2-6-50	to 10:00	on	2-6-50
Max. Peak Outf.	5.4	C.F.S. from	During July	on		to	on	

RECORDS COLLECTED BY

D. J. ROBERTSON	Dam Tender
L. J. TURNER	Hydrographer
	Hydrographer

COMPUTATIONS ckd. Date

Gage Hts. copied	JHL	GPB
Storage applied	JHL	GPB
Inf. & Outf. comp.	JHL	GPB

REMARKS (Indicates average for period.
No allowance made for evaporation or percolation.
Outflows from Station F168-R.

F. C. Dist. Form 86B Revised 500 11/44

Daily Gage Height in feet and Operation Record of BIG TUJUNGA Dam

In Big Tujunga Canyon for the Year Ending September 30, 1950

On

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder Au

Drainage Area 82.3 Square Miles. Capacity of Reservoir 4235.3 Ac. Ft. at Spillway Elev. 2290.0 Ft. as of June 1944 Survey Gage Heights Read Daily

FEBRUARY

Day	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow
1	2213.0	666.4	4.5	0.2
2	2213.4	675.5	4.5	0.2
3	2213.8	684.6	4.5	0.2
4	2214.1	691.5	4.5	0.2
5	2214.6	703.0	6.0	0.2
6	2217.3	766.4	32.2	0.2
7	2219.2	812.6	23.4	0.2
8	2220.5	845.1	16.6	0.2
9	2221.3	865.4	10.5	0.2
10	2222.2	888.8	12.0	0.2
11	2223.1	912.5	12.1	0.2
12	2223.7	928.5	8.3	0.2
13	2224.3	944.7	8.3	0.2
14	2224.7	955.6	8.3	2.8
15	2224.9	961.1	7.4	4.6
16	2225.1	966.6	7.4	4.6
17	2225.2	969.3	6.0	4.6
18	2225.3	972.1	6.0	4.6
19	2225.4	974.9	6.0	4.6
20	2225.5	977.7	5.9	4.5
21	2225.6	980.4	5.8	4.5
22	2225.6	980.4	5.3	4.5
23	2225.7	983.2	5.2	4.5
24	2225.7	983.2	5.2	4.5
25	2225.8	986.0	5.2	4.5
26	2225.8	986.0	4.5	4.5
27	2225.8	986.0	4.5	4.5
28	2225.8	986.0	4.5	4.5
29				
30				
31				
TOTAL			234.6	68.9
Inf. Ac. Ft.			465.3	
Outf. Ac. Ft.			136.7	
Maximum Mean Daily Inflow			32.2	
Minimum Mean Daily Inflow			4.5	
Storage Change			+328.6	

MARCH

Day	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow
1	2225.8	986.0	4.4	4.5
2	2225.8	986.0	4.4	4.5
3	2225.8	986.0	4.3	4.5
4	2226.0	991.5	4.3	2.4
5	2226.2	997.2	4.3	0.2
6	2226.5	1005.7	4.3	0.2
7	2226.8	1014.1	4.2	0.2
8	2227.1	1022.7	4.2	0.2
9	2227.3	1028.4	4.2	0.2
10	2227.6	1037.0	4.2	0.2
11	2227.9	1045.6	4.0	0.2
12	2228.2	1054.3	4.0	0.2
13	2228.4	1060.1	4.0	0.2
14	2228.6	1066.0	4.0	0.2
15	2228.9	1074.7	4.0	0.2
16	2229.1	1080.6	3.8	0.2
17	2229.4	1089.4	3.8	0.2
18	2229.6	1095.4	3.8	0.2
19	2229.8	1101.3	3.8	0.2
20	2230.1	1110.2	3.8	0.2
21	2230.3	1116.2	3.8	0.2
22	2230.5	1122.3	3.7	0.2
23	2230.8	1131.3	3.7	0.2
24	2231.4	1149.5	9.3	0.2
25	2232.1	1170.9	11.0	0.2
26	2232.5	1183.3	6.5	0.2
27	2232.8	1192.5	4.8	0.2
28	2233.1	1201.8	4.6	0.2
29	2233.4	1211.3	4.6	0.2
30	2233.7	1220.7	4.5	0.2
31	2233.9	1227.0	4.5	0.2
TOTAL			142.8	21.3
Inf. Ac. Ft.			283.2	
Outf. Ac. Ft.			42.2	
Maximum Mean Daily Inflow			11.0	
Minimum Mean Daily Inflow			3.7	
Storage Change			+241.0	

APRIL

Day	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow
1	2234.1	1233.3	3.5	0.2
2	2234.4	1242.8	3.4	0.2
3	2234.6	1249.2	3.4	0.2
4	2234.8	1255.5	3.4	0.2
5	2235.0	1261.9	3.4	0.2
6	2235.1	1265.1	3.4	0.2
7	2235.3	1271.6	3.4	0.2
8	2236.1	1297.5	13.2	0.2
9	2237.1	1330.2	16.7	0.2
10	2237.7	1350.1	10.3	0.2
11	2238.1	1363.4	6.9	0.2
12	2238.4	1373.4	5.2	0.2
13	2238.7	1383.5	5.3	0.2
14	2239.0	1393.6	5.3	0.2
15	2239.3	1403.8	5.3	0.2
16	2239.5	1410.7	3.7	0.2
17	2239.7	1417.5	3.6	0.2
18	2239.9	1424.3	3.7	0.2
19	2240.1	1431.2	3.7	0.2
20	2240.3	1438.1	3.6	0.2
21	2240.4	1441.6	3.3	0.2
22	2240.6	1448.5	3.2	0.2
23	2240.8	1455.5	3.2	0.2
24	2241.0	1462.4	3.2	0.2
25	2241.1	1465.9	3.2	0.2
26	2241.3	1473.0	3.2	0.2
27	2241.5	1480.1	3.2	0.2
28	2241.7	1487.1	3.2	0.2
29	2241.9	1494.2	3.2	0.2
30	2242.0	1497.7	3.2	0.2
TOTAL			142.5	6.0
Inf. Ac. Ft.			282.6	
Outf. Ac. Ft.			11.9	
Maximum Mean Daily Inflow			16.7	
Minimum Mean Daily Inflow			3.2	
Storage Change			+270.7	

MAY

Day	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow
1	2242.2	1504.9	3.0	0.2
2	2242.3	1508.5	2.9	0.2
3	2242.5	1515.7	2.9	0.2
4	2242.6	1519.3	2.9	0.2
5	2242.8	1526.5	2.6	0.2
6	2243.0	1533.7	2.6	0.2
7	2243.1	1537.4	2.6	0.2
8	2243.2	1541.1	2.6	0.2
9	2243.3	1544.8	2.6	0.2
10	2243.4	1548.5	2.6	0.2
11	2243.5	1552.2	2.6	0.2
12	2243.6	1555.8	2.6	1.0
13	2243.6	1555.8	2.6	2.6
14	2243.6	1555.8	2.6	2.6
15	2243.6	1555.8	2.6	2.6
16	2243.6	1555.8	2.6	2.6
17	2243.6	1555.8	2.6	2.6
18	2243.6	1555.8	2.6	2.6
19	2243.6	1555.8	2.6	2.6
20	2243.6	1555.8	2.6	2.6
21	2243.6	1555.8	2.6	2.6
22	2243.5	1552.2	2.1	2.6
23	2243.5	1552.2	2.1	2.5
24	2243.5	1552.2	2.1	2.5
25	2243.5	1552.2	2.0	2.5
26	2243.4	1548.5	1.2	2.5
27	2243.4	1548.5	1.2	2.4
28	2243.4	1548.5	1.2	2.4
29	2243.3	1544.8	1.2	2.4
30	2243.2	1541.1	1.1	2.4
31	2243.1	1537.4	1.1	2.4
TOTAL			71.2	51.2
Inf. Ac. Ft.			141.2	1877.0
Outf. Ac. Ft.			101.6	823.9
Maximum Mean Daily Inflow			3.0	32.2
Minimum Mean Daily Inflow			1.1	0.2
Storage Change			+39.7	+1053.1

NOTE: Gage Heights and Storages as of Midnight on Day Shown

½ Year

Max. W. S. Elev.	2243.6	feet on	5-11 to 5-22-50	Storage	1555.8	Acre Feet		
Min. W. S. Elev.	2181.9	feet on	12-17-49	Storage	165.0	Acre Feet		
Max. Peak Inf.	43.2	C.F.S. from	6:00 PM	on	2-6-50	to 10:00 PM	on	2-6-50
Max. Peak Outf.	5.4	C.F.S. from	During July	on		to	on	

RECORDS COLLECTED BY

D. J. ROBERTSON	Dam Tender
L. T. TURNER	Hydrographer
	Hydrographer

COMPUTATIONS ckd. Date

Gage Hts. copied	JHL	GPB
Storage applied	JHL	GPB
Inf. & Outf. comp.	JHL	GPB

REMARKS (Indicates average for period.
No allowance made for evaporation or percolation.
Outflow from Station F168-R.

BIG TUJUNGA (cont'd.)

F. C. Dist. Form 88 Revised 600 5/39

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DEPARTMENT

Daily Gage Height in feet and Operation Record of BIG TUJUNGA Dam

In Big Tujunga Canyon

On for the Year Ending September 30, 19 60

Continuous Water Stage Recorder Au

Drainage Area 82.3 Square Miles. Capacity of Reservoir 4235.3 Ac. Ft. at Spillway Elev. 2290.0 Ft.

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	2243.0	1533.7	1.1	2.4	2238.4	1373.4	0.8	4.9	2229.9	1104.2	0.5	4.9	2220.3	640.0	0.4	4.6	1
2	2243.0	1533.7	1.1	2.5	2238.1	1363.4	0.8	5.4	2229.6	1095.4	0.5	4.9	2219.9	829.9	0.4	4.6	2
3	2242.9	1530.1	1.1	2.5	2237.9	1356.7	0.9	5.4	2229.3	1086.5	0.5	4.9	2219.6	822.5	0.4	4.6	3
4	2242.8	1526.5	1.1	2.5	2237.6	1346.8	0.9	5.4	2229.0	1077.6	0.5	4.9	2219.2	812.6	0.4	4.5	4
5	2242.7	1522.9	1.1	2.6	2237.4	1340.1	0.9	5.4	2228.7	1068.9	0.5	4.9	2218.9	805.2	0.4	4.5	5
6	2242.6	1519.3	1.1	2.6	2237.1	1330.2	0.9	5.4	2228.4	1060.1	0.5	4.9	2218.6	797.8	0.4	4.5	6
7	2242.5	1515.7	1.1	2.6	2236.8	1320.4	0.9	5.4	2228.1	1051.4	0.5	4.9	2218.2	788.1	0.4	4.5	7
8	2242.4	1512.1	1.0	2.6	2236.6	1313.8	0.9	5.3	2227.8	1042.8	0.5	4.9	2217.9	780.8	0.4	4.5	8
9	2242.3	1508.5	1.0	2.6	2236.3	1304.0	0.9	5.3	2227.5	1034.2	0.5	4.9	2217.6	773.6	0.4	4.5	9
10	2242.2	1504.9	1.0	3.5	2236.1	1297.5	0.9	5.3	2227.2	1025.5	0.5	4.8	2217.3	766.4	0.4	4.5	10
11	2242.0	1497.7	1.0	4.0	2235.8	1287.7	0.9	5.2	2226.9	1017.0	0.5	4.8	2217.0	759.2	0.4	4.5	11
12	2241.9	1494.2	1.0	4.0	2235.5	1278.1	0.9	5.2	2226.6	1008.5	0.5	4.8	2216.6	749.8	0.4	4.4	12
13	2241.7	1487.1	1.0	4.0	2235.3	1271.6	0.8	5.2	2226.3	1000.0	0.5	4.8	2216.3	742.7	0.4	4.4	13
14	2241.6	1483.6	1.0	4.0	2235.0	1261.9	0.8	5.2	2226.0	991.5	0.5	4.8	2216.0	735.6	0.4	4.4	14
15	2241.4	1476.5	1.0	4.0	2234.7	1252.4	0.8	5.1	2225.7	983.2	0.5	4.8	2215.6	726.2	0.4	4.4	15
16	2241.2	1469.5	0.9	4.0	2234.4	1242.8	0.7	5.1	2225.4	974.9	0.4	4.8	2215.3	719.2	0.4	4.4	16
17	2241.1	1465.9	0.9	4.0	2234.2	1236.5	0.7	5.1	2225.1	966.6	0.4	4.8	2215.0	712.2	0.4	4.4	17
18	2240.9	1458.9	0.9	4.0	2233.9	1227.0	0.7	5.0	2224.7	955.6	0.4	4.7	2214.7	705.3	0.4	4.4	18
19	2240.7	1452.0	0.9	4.0	2233.6	1217.5	0.7	5.0	2224.4	947.4	0.4	4.7	2214.3	696.1	0.4	4.4	19
20	2240.6	1448.5	0.9	4.0	2233.3	1208.1	0.6	5.0	2224.1	939.2	0.4	4.7	2214.0	689.2	0.4	4.3	20
21	2240.4	1441.6	0.9	4.0	2233.0	1198.7	0.6	5.0	2223.8	931.2	0.4	4.7	2213.6	680.1	0.4	4.3	21
22	2240.2	1434.6	0.9	4.0	2232.8	1192.5	0.6	5.0	2223.5	923.2	0.4	4.7	2213.2	671.0	0.4	4.3	22
23	2240.0	1427.7	0.9	4.0	2232.5	1183.3	0.6	5.0	2223.2	915.1	0.4	4.7	2212.9	664.2	0.4	4.3	23
24	2239.8	1420.9	0.9	4.0	2232.2	1174.0	0.6	5.0	2222.9	907.2	0.4	4.7	2212.5	655.2	0.4	4.3	24
25	2239.6	1414.1	0.9	4.0	2231.9	1164.8	0.6	5.0	2222.5	896.7	0.4	4.7	2212.2	648.4	0.4	4.3	25
26	2239.5	1410.7	0.9	4.0	2231.6	1155.6	0.6	5.0	2222.2	888.8	0.4	4.7	2211.8	639.5	0.4	4.3	26
27	2239.3	1403.8	0.8	4.0	2231.3	1146.5	0.5	4.9	2221.9	880.9	0.4	4.6	2211.4	630.6	0.3	4.3	27
28	2239.1	1397.0	0.8	4.0	2231.0	1137.3	0.5	4.9	2221.6	873.2	0.4	4.6	2211.1	624.0	0.3	4.2	28
29	2238.9	1390.2	0.8	4.0	2230.8	1131.3	0.5	4.9	2221.2	862.9	0.4	4.6	2210.8	617.5	0.3	4.2	29
30	2238.7	1383.5	0.8	4.0	2230.5	1122.3	0.5	4.9	2220.9	855.2	0.4	4.6	2210.4	608.8	0.3	4.2	30
31					2230.2	1113.2	0.5	4.9	2220.6	847.6	0.4	4.6					31
TOTAL			28.8	106.4			22.5	158.8			13.9	147.8			11.6	132.0	
Inf. Ac. Ft.		571				446				276					230	2029.3	
Outf. Ac. Ft.		2110				3150				2932					261.8	1904.9	
Maximum Mean Daily Inflow		1.1				0.9				0.5					0.4	3.2.2	
Minimum Mean Daily Inflow		0.8				0.5				0.4					0.3	0.2	
Storage Change		-1539				-2703				-265.6					-238.8	+1245	

REMARKS — Yearly Totals

Max. W. S. Elev. 2243.6 feet on 5-11 to 5-22-50 Storage 1555.8 Acre Feet

Min. W. S. Elev. 2181.9 feet on 12-17-49 Storage 165.0 Acre Feet

Max. Peak Inf. 43.2 C.F.S. from 6:00 PM on 2-6-50 to 10:00 PM on 2-6-50

Max. Peak Outf. 5.4 C.F.S. from During July on to on

(Indicates average for period. No allowance made for evaporation or percolation.

RECORDS COLLECTED BY

D. J. ROBERTSON — Dam Tender

L. J. TURNER — Hydrographer

Hydrographer

Outflows from Station F168-R

COMPUTATIONS — Date

Gage Hts. copied GPB JHL

Storage applied GPB JHL

Inf. & Outf. computed GPB JHL

Checked 11-6-50

F. C. Dist. Form 88A Revised 500 11/44

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

On for the Year Ending September 30, 19 51

Continuous Water Stage Recorder Au

Drainage Area 82.3 Square Miles. Capacity of Reservoir 4235.3 Ac. Ft. at Spillway Elev. 2290.0 Ft. as of June, 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	2210.0	600.1	0.4	4.2	2197.0	360.0	0.7	5.0	2184.1	1d8.3	0.6	2.4	2179.5	141.4	1.5	1.5	1
2	2209.6	591.6	0.4	4.2	2196.5	352.2	0.7	5.0	2183.8	1d5.0	0.6	2.4	2179.5	141.4	1.5	1.5	2
3	2209.3	585.2	0.4	4.2	2195.9	342.9	0.7	5.0	2183.5	1d1.8	0.7	2.3	2179.5	141.4	1.5	1.5	3
4	2208.9	576.7	0.4	4.2	2195.3	333.8	0.7	4.9	2183.1	177.5	0.7	2.3	2179.5	141.4	1.5	1.5	4
5	2208.5	568.5	0.4	4.2	2194.8	326.2	0.7	4.9	2182.8	174.3	0.7	2.3	2179.5	141.4	1.5	1.5	5
6	2208.1	560.3	0.4	4.2	2194.3	318.8	0.7	4.9	2182.1	167.0	0.7	4.8	2179.5	141.4	1.5	1.5	6
7	2207.7	552.2	0.4	4.2	2193.7	310.1	0.7	4.8	2181.5	161.0	0.7	4.2	2179.5	141.4	1.5	1.5	7
8	2207.4	546.1	0.4	4.2	2193.2	302.8	0.8	4.8	2181.3	158.9	0.7	1.6	2179.5	141.4	1.5	1.5	8
9	2207.0	538.1	0.5	4.2	2192.6	294.3	0.8	4.8	2181.2	157.9	0.7	1.6	2179.5	141.4	1.5	1.5	9
10	2206.6	530.3	0.5	4.3	2192.1	287.3	0.8	4.7	2181.2	157.9	0.7	0.5	2179.6	142.3	2.0	1.5	10
11	2206.2	522.4	0.5	4.3	2191.5	279.1	0.8	4.6	2181.0	155.9	0.7	1.5	2180.1	147.1	3.9	1.5	11
12	2205.8	514.7	0.5	4.3	2191.0	272.3	0.8	4.6	2180.9	154.9	0.8	1.6	2180.5	151.0	3.4	1.5	12
13	2205.5	508.9	0.5	4.3	2190.5	265.7	1.2	4.5	2180.7	153.0	0.8	1.6	2180.7	153.0	2.5	1.5	13
14	2205.1	501.2	0.5	4.3	2190.0	259.1	0.9	4.5	2180.5	151.0	0.8	1.6	2180.8	153.9	2.0	1.5	14
15	2204.7	493.7	0.5	4.3	2189.4	251.4	0.9	4.4	2180.4	150.0	0.8	1.6	2180.9	154.9	2.0	1.5	15
16	2204.3	486.1	0.6	4.3	2188.9	245.0	0.9	4.4	2180.2	148.1	0.9	1.6	2181.0	155.9	2.0	1.5	16
17	2203.9	478.7	0.6	4.3	2188.5	240.0	0.8	3.3	2180.0	146.1	0.9	1.6	2181.2	157.9	2.5	1.5	17
18	2203.5	471.3	0.6	4.3	2188.2	236.2	0.8	2.6	2179.8	144.2	0.9	1.6	2181.5	161.0	2.5	0.9	18
19	2203.1	463.9	0.6	4.3	2187.9	232.5	0.8	2.6	2179.7	143.3	0.9	1.6	2181.9	165.0	2.2	0.2	19
20	2202.7	456.7	0.6	4.3	2187.6	228.8	0.7	2.5	2179.7	143.3	1.0	1.6	2182.3	169.1	2.3	0.2	20
21	2202.4	451.3	0.6	4.3	2187.3	225.2	0.7	2.5	2179.7	143.3	1.4	1.5	2182.7	173.3	2.3	0.2	21
22	2202.0	444.1	0.6	4.2	2187.0	221.5	0.7	2.5	2179.7	143.3	1.4	1.5	2183.1	177.5	2.2	0.2	22
23	2201.6	437.1	0.6	4.2	2186.7	218.0	0.7	2.5	2179.6	142.3	1.4	1.5	2183.4	180.7	1.9	0.2	23
24	2201.2	430.0	0.7	4.2	2186.3	213.2	0.6	2.5	2179.6	142.3	1.4	1.5	2183.7	184.0	1.9	0.2	24
25	2200.7	421.3	0.7	4.9	2186.0	209.7	0.6	2.5	2179.6	142.3	1.4	1.5	2184.0	187.2	1.8	0.2	25
26	2200.2	412.7	0.7	5.2	2185.7	208.3	0.6	2.4	2179.6	142.3	1.4	1.5	2184.2	189.4	1.5	0.2	26
27	2199.7	404.2	0.7	5.2	2185.4	202.9	0.6	2.4	2179.6	142.3	1.4	1.5	2184.5	192.8	1.7	0.2	27
28	2199.1	394.1	0.7	5.1	2185.1	199.4	0.6	2.4	2179.6	142.3	1.4	1.5	2184.8	196.1	1.9	0.2	28
29	2198.6	385.8	0.7	5.1	2184.8	196.1	0.6	2.4	2179.6	142.3	1.4	1.5	2185.2	208.6	6.5	0.2	29
30	2198.1	377.6	0.7	5.1	2184.5	192.8	0.6	2.4	2179.6	142.3	1.5	1.5	2186.6	216.8	4.3	0.2	30
31	2197.6	369.6	0.7	5.1					2179.5	141.4	1.5	1.5	2187.0	221.5	2.6	0.2	31
TOTAL			17.1	137.7			22.2	111.3			30.9	56.8			69.4	29.0	
Inf. Ac. Ft.		339				440				613					137.7	276.9	
Outf. Ac. Ft.		2731				2208				1127					57.5	664.1	
Maximum Mean Daily Inflow		0.4				1.2				1.5					6.5	6.5	
Minimum Mean Daily Inflow		0.7				0.6				0.6					1.5	0.6	
Storage Change	-2392				-1768				-514				+801			-3873	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

½ Year

Max. W. S. Elev. 2212.4 feet on 5-18,19-51 Storage 653 Acre Feet

Min. W. S. Elev. 2179.5 feet on 12-31- 1-18-51 Storage 141 Acre Feet

Max. Peak Inf. 17.1 C.F.S. from 3:30 AM on 4-29-51 to 4:30 AM on 4-29-51

Max. Peak Outf. 15 C.F.S. from 6:00 AM on 8-22-51 to 6:00 PM on 8-22-51

REMARKS: Outflow from Station F168 R.

(Indicates average for period.

RECORDS COLLECTED BY

D. J. ROBERTSON — Dam Tender

L. J. TURNER — Hydrographer

Hydrographer

COMPUTATIONS — Date

Gage Hts. copied GPB JHL

Storage applied GPB JHL

Inf. & Outf. comp. GPB JHL 4-11-51

APK 11-14-51

F. C. Dist. Form 88B Revised 5&6 11/44

Daily Gage Height in feet and Operation Record of BIG TUJUNGA

In Big Tujunga Canyon for the Year Ending September 30, 1951

~~On~~

FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder Au

Drainage Area 82.3 Square Miles. Capacity of Reservoir 4235.3 Ac. Ft. at Spillway Elev. 2290.0 Ft. as of June, 19 44 Survey Gage Heights Read Daily

Day	FEBRUARY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	MARCH Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	APRIL Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	MAY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Day
1	2187.4	2264	2.7	0.2	2195.7	3398	4.8	0.2	2203.7	4750	2.1	0.2	2210.3	6066	3.5	0.2	1
2	2187.8	2313	2.6	0.2	2196.2	3475	4.1	0.2	2203.9	4787	2.0	0.2	2210.5	6110	3.0	0.2	2
3	2188.1	2350	2.4	0.2	2196.6	3538	3.4	0.2	2204.1	4824	2.1	0.2	2210.8	6175	2.9	0.2	3
4	2188.5	2400	2.4	0.2	2197.0	3600	3.2	0.2	2204.3	4861	2.4	0.2	2211.0	6218	2.3	0.2	4
5	2188.8	2437	2.1	0.2	2197.4	3664	3.1	0.2	2204.5	4899	2.4	0.2	2211.1	6240	1.7	0.2	5
6	2189.1	2475	2.1	0.2	2197.7	3712	3.0	0.2	2204.8	4955	2.4	0.2	2211.3	6284	1.7	0.2	6
7	2189.3	2501	1.8	0.2	2198.1	3776	2.9	0.2	2205.0	4993	2.0	0.2	2211.4	6306	1.7	0.2	7
8	2189.6	2539	1.7	0.2	2198.4	3826	2.9	0.2	2205.2	5031	1.9	0.2	2211.6	6351	1.6	0.2	8
9	2189.8	2565	1.6	0.2	2198.8	3891	2.8	0.2	2205.4	5070	1.9	0.2	2211.7	6373	1.6	0.2	9
10	2190.0	2591	1.6	0.2	2199.1	3941	2.8	0.2	2205.5	5089	1.8	0.2	2211.8	6395	1.6	0.2	10
11	2190.3	2631	2.2	0.2	2199.3	3974	2.8	0.2	2205.7	5127	1.7	0.2	2211.9	6417	1.6	0.2	11
12	2190.6	2670	2.1	0.2	2199.6	4025	2.5	0.2	2205.8	5147	1.6	0.2	2212.0	6439	1.6	0.5	12
13	2190.8	2697	1.8	0.2	2199.9	4075	2.4	0.2	2206.0	5185	1.5	0.2	2212.0	6439	1.5	0.7	13
14	2191.0	2723	1.8	0.2	2200.1	4109	2.3	0.2	2206.1	5205	1.5	0.2	2212.1	6462	1.5	0.7	14
15	2191.3	2764	1.8	0.2	2200.4	4161	2.3	0.2	2206.2	5224	1.5	0.2	2212.2	6484	1.5	0.7	15
16	2191.5	2791	1.8	0.2	2200.6	4196	2.3	0.2	2206.3	5244	1.5	0.2	2212.3	6507	1.4	0.7	16
17	2191.7	2818	1.8	0.2	2200.8	4230	2.3	0.2	2206.5	5283	1.6	0.2	2212.3	6507	1.4	0.7	17
18	2192.0	2859	1.8	0.2	2201.0	4265	2.2	0.2	2206.6	5303	1.6	0.2	2212.4	6529	1.4	0.7	18
19	2192.2	2887	1.7	0.2	2201.2	4300	2.1	0.2	2206.8	5342	1.6	0.2	2212.3	6507	1.3	2.4	19
20	2192.4	2915	1.7	0.2	2201.4	4335	2.0	0.2	2206.9	5361	1.6	0.2	2212.2	6484	1.3	2.4	20
21	2192.7	2957	1.7	0.2	2201.6	4371	1.9	0.2	2207.1	5401	1.5	0.2	2212.1	6462	1.2	2.3	21
22	2192.9	2985	2.0	0.2	2201.8	4406	1.9	0.2	2207.2	5421	1.5	0.2	2212.0	6439	1.2	2.3	22
23	2193.3	3043	3.1	0.2	2202.0	4441	1.9	0.2	2207.3	5441	1.4	0.2	2211.9	6417	1.1	2.3	23
24	2193.6	3086	2.4	0.2	2202.2	4477	1.9	0.2	2207.4	5461	1.4	0.2	2211.5	6329	1.0	5.5	24
25	2193.9	3130	2.4	0.2	2202.4	4513	1.9	0.2	2207.8	5542	4.3	0.2	2210.9	6196	0.9	7.6	25
26	2194.2	3174	2.4	0.2	2202.6	4549	1.9	0.2	2208.1	5603	3.3	0.2	2209.9	5980	0.8	11.7	26
27	2194.7	3248	4.0	0.2	2202.8	4585	1.9	0.2	2208.4	5664	3.2	0.2	2209.3	5852	0.7	7.1	27
28	2195.1	3307	3.2	0.2	2203.0	4621	1.9	0.2	2208.8	5747	4.4	0.2	2209.0	5788	0.7	4.3	28
29					2203.1	4639	1.9	0.2	2209.5	5895	7.7	0.2	2208.6	5706	0.6	4.3	29
30					2203.3	4676	1.9	0.2	2210.0	6001	5.5	0.2	2208.2	5623	0.6	4.2	30
31					2203.5	4713	1.9	0.2					2207.9	5562	0.5	4.2	31
TOTAL			60.7	5.6			77.1	6.2			70.9	6.0			45.4	67.5	
Inf. Ac. Ft.			1204				1529				1406				900	7808	
Outf. Ac. Ft.			111				123				119				1339	8333	
Maximum Mean Daily Inflow			4.0				4.8				7.7				3.5	7.7	
Minimum Mean Daily Inflow			1.6				1.9				1.4				0.5	0.5	
Storage Change	+1092				+1406				+128				-439			-526	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	2212.4	feet	on 5-18,19-51	Storage	653.	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	2179.5	feet	on 12-31, 1-10-51	Storage	141.	Acre Feet	D. J. ROBERTSON	Dam Tender	Gage Hts. copied	GPB JHL
Max. Peak Inf.	17.1	C.F.S. from	3:30 AM	on 4-29-51	to 4:30 AM	on 4-29-51	L. J. TURNER	Hydrographer	Storage applied	GPB JHL
Max. Peak Outf.	15	C.F.S. from	6:00 AM	on 8-22-51	to 6:00 PM	on 8-22-51		Hydrographer	Inf. & Outf. comp.	GPB JHL 4 11 51

REMARKS Outflow from Station F188-R. APK 11 14 51

(Indicates average for period.

F. C. Dist. Form 88C Revised 5&6 11/44

Daily Gage Height in feet and Operation Record of BIG TUJUNGA Dam

In Big Tujunga Canyon for the Year Ending September 30, 1951

~~On~~

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder Au

Drainage Area 82.3 Square Miles. Capacity of Reservoir 4235.3 Ac. Ft. at Spillway Elev. 2290.0 Ft. as of June, 1944 Survey Gage Heights Read Daily

Day	JUNE Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	JULY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	AUGUST Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	SEPTEMBER Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Day
1	2207.5	5482	0.4	4.2	2201.5	4353	0.2	1.8	2197.9	3744	0.2	1.1	2192.7	2957	0.2	1.6	1
2	2207.1	5401	0.4	4.2	2201.3	4318	0.2	1.8	2197.8	3728	0.2	1.1	2192.5	2929	0.2	1.6	2
3	2206.8	5342	0.4	4.2	2201.1	4283	0.2	1.7	2197.7	3712	0.2	1.1	2192.3	2901	0.2	1.6	3
4	2206.4	5263	0.4	4.2	2201.0	4265	0.2	1.2	2197.6	3696	0.2	1.1	2192.1	2873	0.2	1.6	4
5	2206.0	5185	0.4	4.2	2200.9	4248	0.2	1.2	2197.5	3680	0.2	1.1	2191.9	2845	0.2	1.6	5
6	2205.8	5147	0.4	2.3	2200.9	4248	0.3	1.2	2197.4	3664	0.2	1.1	2191.7	2818	0.2	1.6	6
7	2205.6	5108	0.3	1.9	2200.8	4230	0.3	1.2	2197.2	3632	0.2	1.1	2191.5	2791	0.2	1.6	7
8	2205.4	5070	0.3	1.9	2200.7	4213	0.3	1.2	2197.1	3616	0.2	1.1	2191.3	2764	0.2	1.6	8
9	2205.3	5051	0.3	1.9	2200.5	4179	0.3	1.2	2197.0	3600	0.2	1.1	2191.2	2750	0.2	1.6	9
10	2205.1	5012	0.3	1.9	2200.4	4161	0.3	1.2	2196.9	3584	0.2	1.1	2191.0	2723	0.3	1.6	10
11	2204.9	4974	0.3	1.9	2200.3	4144	0.3	1.2	2196.8	3569	0.2	1.1	2190.8	2697	0.3	1.6	11
12	2204.7	4937	0.3	1.9	2200.2	4127	0.3	1.2	2196.7	3553	0.2	1.1	2190.6	2670	0.3	1.6	12
13	2204.6	4918	0.3	1.9	2200.1	4109	0.3	1.2	2196.6	3538	0.2	1.1	2190.4	2644	0.3	1.6	13
14	2204.4	4880	0.3	1.9	2200.0	4092	0.3	1.2	2196.5	3522	0.2	1.1	2190.2	2617	0.3	1.6	14
15	2204.3	4861	0.3	1.9	2199.9	4075	0.3	1.2	2196.3	3491	0.2	1.1	2190.0	2591	0.3	1.6	15
16	2204.1	4824	0.3	1.9	2199.7	4042	0.3	1.2	2196.2	3475	0.2	1.1	2189.8	2565	0.3	1.6	16
17	2203.9	4787	0.3	1.9	2199.6	4025	0.3	1.2	2196.1	3460	0.2	1.1	2189.6	2539	0.3	1.6	17
18	2203.8	4768	0.2	1.9	2199.5	4008	0.3	1.2	2196.0	3444	0.2	1.1	2189.4	2514	0.3	1.7	18
19	2203.6	4731	0.2	1.9	2199.4	3991	0.3	1.2	2195.9	3429	0.2	1.1	2189.1	2475	0.3	1.8	19
20	2203.4	4695	0.2	1.9	2199.3	3974	0.3	1.2	2195.8	3414	0.2	1.1	2188.9	2450	0.3	1.8	20
21	2203.3	4676	0.2	1.9	2199.2	3958	0.3	1.2	2195.7	3398	0.2	1.1	2188.7	2425	0.3	1.8	21
22	2203.1	4639	0.2	1.9	2199.0	3924	0.3	1.2	2194.6	3233	0.2	8.1	2188.4	2387	0.3	1.8	22
23	2202.9	4603	0.2	1.9	2198.9	3908	0.3	1.1	2194.4	3203	0.2	1.6	2188.2	2362	0.3	1.8	23
24	2202.7	4567	0.2	1.9	2198.8	3891	0.2	1.1	2194.2	3174	0.2	1.6	2187.9	2325	0.3	1.8	24
25	2202.5	4531	0.2	1.8	2198.7	3875	0.2	1.1	2194.1	3159	0.2	1.6	2187.7	2300	0.3	1.8	25
26	2202.3	4495	0.2	1.8	2198.6	3858	0.2	1.1	2193.9	3130	0.2	1.6	2187.4	2264	0.3	1.8	26
27	2202.1	4459	0.2	1.8	2198.5	3842	0.2	1.1	2193.7	3101	0.1	1.6	2187.2	2239	0.3	1.8	27
28	2202.0	4441	0.2	1.8	2198.4	3826	0.2	1.1	2193.5	3072	0.1	1.6	2186.9	2203	0.3	1.8	28
29	2201.8	4406	0.2	1.8	2198.3	3809	0.2	1.1	2193.3	3043	0.1	1.6	2186.7	2180	0.3	1.8	29
30	2201.6	4371	0.2	1.8	2198.2	3793	0.2	1.1	2193.1	3014	0.1	1.6	2186.4	2144	0.3	1.8	30
31					2198.1	3776	0.2	1.1	2192.9	2985	0.1	1.6					31
TOTAL			8.3	68.3			8.0	38.0			5.7	45.6			8.1	50.5	
Inf. Ac. Ft.			165				159				113				161	840.6	
Outf. Ac. Ft.			1355				754				904				1002	1234.8	
Maximum Mean Daily Inflow			0.4				0.3				0.2				0.3	7.7	
Minimum Mean Daily Inflow			0.2				0.2				0.1				0.2	0.1	
Storage Change	-1191				-595				-791				-841			-3944	

NOTE: Gage Heights and Storages as of Midnight on Day Shown — Yearly Totals

Max. W. S. Elev.	2212.4	feet	on 5-18-19-51	Storage	653.	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	2179.5	feet	on 12-31 1-10-51	Storage	141.	Acre Feet	D. J. ROBERTSON	Dam Tender	Gage Hts. copied	GPB WLT
Max. Peak Inf.	17.1	C.F.S. from	3:30 AM	on 4-29-51	to 4:30 AM	on 4-29-51	L. J. TURNER	Hydrographer	Storage applied	GPB WLT
Max. Peak Outf.	15	C.F.S. from	6:00 AM	on 8-22-51	to 6:00 PM	on 8-22-51		Hydrographer	Inf. & Outf. comp.	GPB WLT

REMARKS Outflow from Station F188-R. APK

(Indicates average for period.

DEVIL'S GATE

F. C. Dist. Form 68A Revised 300 11/44

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 50

Continuous Water Stage Recorder Au

Drainage Area 31.9 Square Miles. Capacity of Reservoir 2561.4 Ac. Ft. at Spillway Elev. 1054.0 Ft. as of November, 1948 Survey Gage Heights Read Daily

Day	OCTOBER Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	NOVEMBER Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	DECEMBER Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	JANUARY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Day
1	990		0	0	990		0	0	990		0	0	1016.2	562	0	0	1
2			0	0			0	0	990		0	0	1016.2	562	0	0	2
3			0	0			0	0	990		0	0	1016.1	550	0	0	3
4			0	0			0	0	990	Small Pool	0	0	1016.1	550	0	0	4
5			0	0			0	0	990		0	0	1016.0	537	0	0	5
6			0	0			0	0	990		0	0	1015.9	527	0	0	6
7			0	0			0	0	996.6	02	02	0	1015.9	527	0	0	7
8			0	0			0	0	1003.9	54	28	0	1017.7	770	134	0	8
9			0	0			0	0	1003.7	52	01	0	1017.5	740	0	0	9
10			0	0			210	210	1003.5	50	0	0	1017.4	725	0	0	10
11			0	0		Small	0	0	1003.3	47	0	0	1018.7	937	119	0	11
12			0	0			0	0	1003.1	45	0	0	1018.8	954	20	0	12
13			0	0			0	0	1003.0	44	0	0	1018.7	937	02	0	13
14			0	0			0	0	1002.9	42	0	0	1018.6	920	01	0	14
15		No Storage	0	0		Pool	0	0	1002.7	40	0	0	1018.6	920	0	0	15
16			0	0			0	0	1002.6	39	0	0	1018.5	903	0	0	16
17			0	0			0	0	1002.5	38	0	0	1018.4	885	0	0	17
18			0	0			0	0	1017.4	725	367	0	1018.4	885	0	0	18
19			0	0			0	0	1017.4	725	17	0	1018.3	868	0	0	19
20			0	0			0	0	1017.2	694	0	0	1018.2	851	0	0	20
21			0	0			0	0	1017.1	679	0	0	1018.2	851	0	0	21
22			0	0			0	0	1017.0	664	0	0	1018.1	833	0	0	22
23			0	0			0	0	1016.9	651	0	0	1018.0	816	0	0	23
24			0	0			0	0	1016.8	639	0	0	1018.0	816	0	0	24
25			0	0			0	0	1016.7	626	0	0	1017.9	801	0	0	25
26			0	0			0	0	1016.6	613	0	0	1017.8	786	0	0	26
27			0	0			0	0	1016.5	601	0	0	1017.8	786	0	0	27
28			0	0			0	0	1016.5	601	0	0	1018.0	876	24	0	28
29			0	0			0	0	1016.4	588	0	0	1018.0	816	08	0	29
30			0	0			0	0	1016.3	575	0	0	1017.9	801	0	0	30
31			0	0				0	1016.3	575	0	0	1017.8	786	0	0	31
TOTAL			0	0			210	210			415	0			308	0	
Inf. Ac. Ft.			0				417				823				611	1851	
Outf. Ac. Ft.				0				417			0 + (248)			0 + (401)		417 + (649)	
Maximum Mean Daily Inflow			0				210				367				134	367	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		0	+						+ 575				+ 211			+ 786	

NOTE: Gage Heights and Storages as of Midnight on Day Shown — ½ Year

Max. W. S. Elev.	1020.85	feet on	2-6-50	Storage	137.5	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	Dry	feet on	Part of year	Storage	0	Acre Feet	K. M. YORK	Dam Tender	Gage Hts. copied	JHL APK 4-27-50
Max. Peak Inf.	236.7	C. F. S. from	3:00 AM on 2-6-50	to	4:00 AM	on 2-6-50	T. E. MOON	Hydrographer	Storage applied	JHL APK
Max. Peak Outf.	99.0	C. F. S. from	12:10 PM on 11-10-49	to	12:40 PM	on 11-10-49		Hydrographer	Inf. & Outf. comp.	JHL APK

REMARKS ( ) Indicates losses due to percolation.
10-27-49 to 11-11-49 sluicing operations, Pasadena City Water

F. C. Dist. Form 68B Revised 300 11/44

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 50

Continuous Water Stage Recorder Au

Drainage Area 31.9 Square Miles. Capacity of Reservoir 2561.4 Ac. Ft. at Spillway Elev. 1054.0 Ft. as of November, 1948 Survey Gage Heights Read Daily

Day	FEBRUARY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	MARCH Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	APRIL Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	MAY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Day
1	1017.8	786	0	0	1019.1	1009	0	0	1019.1	1009	0	0	1017.6	755	0	0	1
2	1017.7	770	0	0	1019.0	989	0	0	1019.0	989	0	0	1017.5	740	0	0	2
3	1017.7	770	0	0	1019.0	989	0	0	1018.9	972	0	0	1017.5	740	0	0	3
4	1017.6	755	0	0	1018.9	972	0	0	1018.9	972	0	0	1017.4	725	0	0	4
5	1017.6	755	04	0	1018.9	972	0	0	1018.8	954	0	0	1017.3	710	0	0	5
6	1020.8	1364	327	0	1018.8	954	0	0	1018.7	937	0	0	1017.2	694	0	0	6
7	1020.7	1341	01	0	1018.8	954	0	0	1018.6	920	0	0	1017.2	694	0	0	7
8	1020.6	1319	0	0	1018.7	937	0	0	1019.1	1009	55	0	1017.1	679	0	0	8
9	1020.5	1297	0	0	1018.6	920	0	0	1019.1	1009	10	0	1017.0	664	0	0	9
10	1020.5	1297	33	22	1018.6	920	0	0	1019.0	989	0	0	1016.9	651	0	0	10
11	1020.4	1275	0	0	1018.5	903	0	0	1018.9	972	0	0	1016.8	639	0	0	11
12	1020.3	1253	0	0	1018.4	885	0	0	1018.9	972	0	0	1016.8	639	0	0	12
13	1020.2	1230	0	0	1018.4	885	0	0	1018.8	954	0	0	1016.7	626	0	0	13
14	1020.1	1208	0	0	1018.3	868	0	0	1018.8	954	0	0	1016.6	613	0	0	14
15	1020.1	1208	0	0	1018.2	851	0	0	1018.7	937	0	0	1016.6	613	0	0	15
16	1020.0	1186	0	0	1018.2	851	0	0	1018.6	920	0	0	1016.5	601	0	0	16
17	1019.9	1166	0	0	1018.1	833	0	0	1018.5	903	0	0	1016.4	588	0	0	17
18	1019.8	1147	0	0	1018.0	816	0	0	1018.4	885	0	0	1016.4	588	0	0	18
19	1019.8	1147	0	0	1018.0	816	0	0	1018.4	885	0	0	1016.3	575	0	0	19
20	1019.7	1127	0	0	1017.9	801	0	0	1018.3	868	0	0	1016.2	562	0	0	20
21	1019.6	1107	0	0	1017.8	786	0	0	1018.2	851	0	0	1016.2	562	0	0	21
22	1019.5	1088	0	0	1017.8	786	0	0	1018.2	851	0	0	1016.1	550	0	0	22
23	1019.5	1088	0	0	1017.7	770	0	0	1018.1	833	0	0	1016.0	537	0	0	23
24	1019.4	1068	0	0	1019.6	1107	182	0	1018.0	816	0	0	1016.0	537	0	0	24
25	1019.4	1068	0	0	1019.6	1107	11	0	1018.0	816	0	0	1015.9	527	0	0	25
26	1019.3	1048	0	0	1019.5	1088	0	0	1017.9	801	0	0	1015.9	527	0	0	26
27	1019.3	1048	0	0	1019.4	1068	0	0	1017.8	786	0	0	1015.8	517	0	0	27
28	1019.2	1028	0	0	1019.3	1048	0	0	1017.8	786	0	0	1015.7	507	0	0	28
29					1019.3	1048	0	0	1017.7	770	0	0	1015.7	507	0	0	29
30					1019.2	1028	0	0	1017.6	755	0	0	1015.6	497	0	0	30
31					1019.1	1009	0	0					1015.5	487	0	0	31
TOTAL			365	22			193	0			65	0			0	0	
Inf. Ac. Ft.			724				383				129				0	3087	
Outf. Ac. Ft.			44	+ (438)			0	+ (383)			0	+ (383)			0 + (268)	416 (2140)	
Maximum Mean Daily Inflow			327				182				55				0	367	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		+ 242				- 19				- 254				- 268		+ 487	

NOTE: Gage Heights and Storages as of Midnight on Day Shown — % Year

Max. W. S. Elev.	1020.85	feet on	2-6-50	Storage	137.5	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	Dry	feet on	Part of year	Storage	0	Acre Feet	K. M. YORK	Dam Tender	Gage Hts. copied	JHL GPB 8-3-50
Max. Peak Inf.	236.7	C. F. S. from	3:00 AM on 2-6-50	to	4:00 AM	on 2-6-50	T. E. MOON	Hydrographer	Storage applied	JHL GPB
Max. Peak Outf.	99.0	C. F. S. from	12:10 PM on 11-10-49	to	12:40 PM	on 11-10-49		Hydrographer	Inf. & Outf. comp.	JHL GPB

REMARKS ( ) Indicates losses due to percolation.

DEVIL'S GATE (cont'd.)

F. C. Dist. Form 68C Revised 300 11/44

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 50

Continuous Water Stage Recorder Au

Drainage Area 31.9 Square Miles. Capacity of Reservoir 2561.4 Ac. Ft. at Spillway Elev. 1054.0 Ft. as of November 1948 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	1015.5	487	0	0	1013.7	327	0	0	990.0	Pool			990.0	Pool	+	+	1
2	1015.4	476	0	0	1013.6	321	0	0	990.0				990.0				2
3	1015.3	466	0	0	1013.5	325	0	0	990.0				990.0				3
4	1015.3	466	0	0	1013.9	319	0	0	990.0				990.0				4
5	1015.2	456	0	0	1012.9	289	0	13	990.0				990.0				5
6	1015.3	466	10	0	1010.6	197	0	46	990.0				990.0				6
7	1015.2	456	0	0	1005.7	81	0	58	990.0				990.0				7
8	1015.1	446	0	0	999.7	15	0	33	990.0				990.0				8
9	1015.1	446	0	0	992.6	+	0	0	990.0				990.0				9
10	1015.0	436	0	0	992.4		0		990.0				990.0				10
11	1015.0	436	0	0	991.8		0		990.0				990.0				11
12	1014.9	428	0	0	991.9		0		990.0				990.0				12
13	1014.8	420	0	0	992.0		0		990.0				990.0				13
14	1014.8	420	0	0	990.0		0		990.0				990.0				14
15	1014.7	412	0	0	990.0		0		990.0				990.0				15
16	1014.7	412	0	0	990.0		0		990.0				990.0	Pool	+		16
17	1014.6	404	0	0	990.0		0		990.0				1004.1	57	35	+	17
18	1014.6	404	0	0	990.0		0		990.0				992.2	+	+	19	18
19	1014.5	396	0	0	990.0		0		990.0				986.0	0		+	19
20	1014.5	396	0	0	990.0		0		990.0				986.0	0			20
21	1014.4	388	0	0	990.0		0		990.0				986.0	0			21
22	1014.4	388	0	0	990.0		0		990.0				986.0	0			22
23	1014.3	380	0	0	990.0		0		990.0				991.8	Pool		+	23
24	1014.2	372	0	0	990.0		0		990.0				992.4			0	24
25	1014.1	364	0	0	990.0		0		990.0				992.5			0	25
26	1014.0	356	0	0	990.0		0		990.0				992.7			0	26
27	1013.9	350	0	0	990.0		0		990.0				992.9			0	27
28	1013.8	344	0	0	990.0		0		990.0				993.1			0	28
29	1013.7	337	0	0	990.0		0		990.0				993.2			0	29
30	1013.7	337	0	0	990.0		0		990.0				993.3	Pool	+	0	30
31					990.0	+	0		990.0	Pool							31
TOTAL			10	0			0	158			+	+			35	19	
Inf. Ac. Ft.			20				0				+				69	376	
Outf. Ac. Ft.			0+(170)				313 + (24)				+				37 (32)	81 1+(236)	
Maximum Mean Daily Inflow			10				0				+				35	36	
Minimum Mean Daily Inflow			0				0				0					0	
Storage Change		-150				-337			0					+		0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown — Yearly Totals

Max. W. S. Elev.	1020.85	feet on 2-6-50	Storage 137.5 Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	Dry	feet on Part of year	Storage 0 Acre Feet	K. M. YORK	Dam Tender	Gage Hts. copied	GPB	JHL
Max. Peak Inf.	236.7	C. F. S. from 3:00 AM on 2-6-50	to 4:00 AM on 2-6-50	T. E. MOON	Hydrographer	Storage applied	GPB	JHL
Max. Peak Outf.	99.0	C. F. S. from 12:10 PM on 11-10-49	to 12:40 PM on 11-10-49		Hydrographer	Inf. & Outf. comp.	GPB	JHL 10-30-50

REMARKS ( ) Indicates losses due to percolation.

F. C. Dist. Form 68A Revised 300 11/44

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 51

Continuous Water Stage Recorder Au

Drainage Area 31.9 Square Miles. Capacity of Reservoir 2561.4 Ac. Ft. at Spillway Elev. 1054.0 Ft. as of Fall 1948 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	995-			0	999.6	15	0	0	1005.3	74	0	0	1002.3	36	0	0	1
2				0	999.5	14	0	0	1005.2	73	0	0	1002.2	35	0	0	2
3				0	999.4	14	0	0	1005.1	71	0	0	986.0	*24	0	05	3
4				0	999.2	13	0	0	1005.0	69	0	0	995.4	24	+	0	4
5				0	999.1	12	0	0	1004.8	67	0	0	995.8	23	0	0	5
6				0	999.0	12	0	0	1004.8	67	0	0	996.0	22	0	0	6
7				0	998.8	11	0	0	1004.7	65	0	0	996.2	21	0	0	7
8				0	998.7	10	0	0	1004.6	64	0	0	996.4	21	0	0	8
9				+	998.6	10	0	0	1004.5	62	0	0	996.5	*20	0	0	9
10				0	998.5	09	0	0	1004.5	62	+	0	1005.3	74	29	0	10
11				0	998.4	09	0	0	1004.4	61	0	0	1014.8	420	181	0	11
12				0	998.3	08	0	0	1004.3	60	0	0	1014.7	412	0	0	12
13				0	1001.9	32	13	0	1004.2	58	0	0	1014.6	404	0	0	13
14				0	1001.8	31	+	0	1004.1	57	0	0	1014.5	396	0	0	14
15				0	1001.6	29	0	0	1004.0	56	0	0	1014.4	388	0	0	15
16				0	1001.4	28	0	0	1003.9	54	0	0	1014.6	404	14	0	16
17				0	1001.2	26	0	0	1003.8	53	0	0	1014.5	396	0	0	17
18				0	1004.6	64	20	0	1003.7	52	0	0	1014.8	420	18	0	18
19				0	1006.7	98	19	0	1003.6	51	0	0	1015.6	497	44	0	19
20				0	1006.5	95	0	0	1003.5	50	0	0	1015.4	476	0	0	20
21				0	1006.4	93	0	0	1003.4	48	0	0	1015.3	466	0	0	21
22				0	1006.3	91	0	0	1003.3	47	0	0	1015.3	466	0	0	22
23				0	1006.1	87	0	0	1003.2	46	0	0	1015.2	456	0	0	23
24				0	1006.0	86	0	0	1003.1	45	0	0	1015.1	446	0	0	24
25	995-			0	1005.9	84	0	0	1003.0	44	0	0	1015.1	446	0	0	25
26	997.4	05	03	0	1005.8	82	0	0	1002.9	42	0	0	1015.0	436	0	0	26
27	1000.5	20	08	0	1005.7	81	0	0	1002.9	42	0	0	1015.0	436	0	0	27
28	1000.3	19	0	0	1005.6	79	0	0	1002.8	41	0	0	1014.9	428	0	0	28
29	1000.1	18	0	0	1005.5	78	0	0	1002.7	40	0	0	1016.9	651	118	0	29
30	999.9	16	0	0	1005.4	76	0	0	1002.5	38	0	0	1016.8	639	0	0	30
31	999.8	16	0	0					1002.5	38	0	0	1016.7	626	0	0	31
TOTAL			11	+			52	0			+	0			404	05	
Inf. Ac. Ft.			22				103				+				801	926	
Outf. Ac. Ft.			+	+ (06)			0 + (43)				0 + (38)				10 + (204)	10 + (291)	
Maximum Mean Daily Inflow			08				20				+				181	181	
Minimum Mean Daily Inflow			0				0				0					0	
Storage Change		+16				+60				-38				+588		+626	

NOTE: Gage Heights and Storages as of Midnight on Day Shown — ½ Year

Max. W. S. Elev.	1018.0	feet on 4-29-30-51	Storage 81.6 Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	** 986.0	feet on 1-3-4-51	Storage 0 Acre Feet	K. M. YORK	Dam Tender	Gage Hts. copied	GPB	JHL
Max. Peak Inf.	468	C. F. S. from 3:10 PM on 1-11-51	to 3:40 PM on 1-11-51	T. E. MOON	Hydrographer	Storage applied	GPB	JHL
Max. Peak Outf.	22	C. F. S. from 1:00 PM on 1-3-51	to 2:00 PM on 1-3-51		Hydrographer	Inf. & Outf. comp.	GPB	JHL

REMARKS * Emptied reservoir; estimate 2.4 A.F. storage remaining in pit; rising G.H. in reservoir due to seepage from pit. 4-24-51

** Elevation sill of sluice gate. APK 11 15 51

( ) Indicates evaporation and percolation losses. 11-15-51

DEVIL'S GATE (cont'd.)

F. C. Dist. Form 88B Revised 300 11/44

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, 1951

Continuous Water Stage Recorder Au

Drainage Area 31.9 Square Miles. Capacity of Reservoir 2561.4 Ac. Ft. at Spillway Elev. 1054.0 Ft. as of Fall, 19 Survey Gage Heights Read Daily

Day	FEBRUARY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	MARCH Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	APRIL Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	MAY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Day
1	1016.7	626	0	0	1016.8	639	40	0	1015.0	436	0	0	1017.8	786	0	0	1
2	1016.6	613	0	0	1016.7	626	0	0	1015.0	436	0	0	1017.7	770	0	0	2
3	1016.5	601	0	0	1016.7	626	0	0	1015.0	436	03	0	1017.6	755	0	0	3
4	1016.5	601	0	0	1016.5	613	0	0	1015.1	446	10	0	1017.5	740	0	0	4
5	1016.4	588	0	0	1016.5	601	0	0	1015.0	436	0	0	1017.4	725	0	0	5
6	1016.4	588	0	0	1016.5	601	0	0	1015.0	436	0	0	1017.4	725	0	0	6
7	1016.3	575	0	0	1016.4	588	0	0	1014.9	428	0	0	1017.3	710	0	0	7
8	1016.3	575	0	0	1016.4	588	0	0	1014.9	428	0	0	1017.2	694	0	0	8
9	1016.2	562	0	0	1016.3	575	0	0	1014.8	420	0	0	1017.2	694	0	0	9
10	1016.1	550	0	0	1016.2	562	0	0	1014.8	420	0	0	1017.1	679	0	0	10
11	1016.1	550	0	0	1016.2	562	0	0	1014.7	412	0	0	1017.0	664	0	0	11
12	1016.0	537	0	0	1016.1	550	0	0	1014.7	412	0	0	1017.0	664	0	0	12
13	1015.9	527	0	0	1016.0	537	0	0	1014.7	412	0	0	1017.0	664	+	0	13
14	1015.9	527	0	0	1016.0	537	0	0	1014.6	404	0	0	1016.9	651	0	0	14
15	1015.8	517	0	0	1015.9	527	0	0	1014.6	404	0	0	1016.8	639	0	0	15
16	1015.7	507	0	0	1015.9	527	0	0	1014.5	396	0	0	1016.7	626	0	0	16
17	1015.7	507	0	0	1015.8	517	0	0	1014.5	396	0	0	1016.7	626	0	0	17
18	1015.6	497	0	0	1015.8	517	0	0	1014.4	388	0	0	1016.6	613	0	0	18
19	1015.6	497	0	0	1015.7	507	0	0	1014.4	388	0	0	1016.5	601	0	0	19
20	1015.5	487	0	0	1015.6	497	0	0	1014.3	380	0	0	1016.5	601	0	0	20
21	1015.5	487	0	0	1015.6	497	0	0	1014.3	380	0	0	1016.4	588	0	0	21
22	1015.6	497	08	0	1015.5	487	0	0	1014.2	372	0	0	1016.3	575	0	0	22
23	1015.8	517	15	0	1015.5	487	0	0	1014.2	372	0	0	1016.3	575	0	0	23
24	1015.7	507	0	0	1015.4	476	0	0	1014.1	364	0	0	1016.2	562	0	0	24
25	1015.6	497	0	0	1015.4	476	0	0	1016.0	537	92	0	1016.1	550	0	0	25
26	1016.4	588	54	0	1015.3	466	0	0	1015.9	527	0	0	1016.1	550	0	0	26
27	1016.3	575	+	0	1015.3	466	0	0	1015.8	517	0	0	1016.0	537	0	0	27
28	1016.3	575	0	0	1015.2	456	0	0	1017.7	770	134	0	1015.9	527	0	0	28
29					1015.2	456	0	0	1018.0	816	34	0	1015.9	527	0	0	29
30					1015.1	446	0	0	1017.9	801	0	0	1015.8	517	0	0	30
31					1015.1	446	0	0					1015.8	517	0	0	31
TOTAL			77	0			40	0			273	0				0	
Inf. Ac. Ft.			153				79				541			+		1699	
Outf. Ac. Ft.			0 + (204)				0 + (208)				0 + (186)			0 + (284)		10+(1173)	
Maximum Mean Daily Inflow			54				40				134			+		181	
Minimum Mean Daily Inflow			0				0				0			0		0	
Storage Change			-51				-129				+355			-284		+517	

NOTE: Gage Heights and Storages as of Midnight on Day Shown — % Year

Max. W. S. Elev.	1018.0	feet on 4-29-30-51	Storage	81.6	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS ckd. Date
Min. W. S. Elev. **	986.0	feet on 1-3-4-51	Storage	0	Acre Feet	K. M. YORK	Dam Tender	Gage Hts. copied GPB JHL
Max. Peak Inf.	468.	C. F. S. from 3:10 PM	on 1-11-51	to 3:40 PM	on 1-11-51	T. E. MOON	Hydrographer	Storage applied GPB JHL
Max. Peak Outf.	22.	C. F. S. from 1:00 PM	on 1-3-51	to 2:00 PM	on 1-3-51		Hydrographer	Inf. & Outf. comp. GPB JHL 4-24-51

REMARKS ()Indicates percolation and evaporation losses. APK 11-15-51
** Elevation sill of sluice gate.

F. C. Dist. Form 88C Revised 300 11/44

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, 1951

Continuous Water Stage Recorder Au

Drainage Area 31.9 Square Miles. Capacity of Reservoir 2561.4 Ac. Ft. at Spillway Elev. 1054.0 Ft. as of Fall, 1948 Survey Gage Heights Read Daily

Day	JUNE Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	JULY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	AUGUST Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	SEPTEMBER Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Day
1	1015.7	507	0	0	1013.9	350	0	0	1011.6	231	0	0	1004.2	58	0	02	1
2	1015.6	497	0	0	1013.8	340	0	0	1011.5	228	0	0	1000.6	21	0	18	2
3	1015.5	487	0	0	1013.7	337	0	0	1011.4	224	0	0	998.7	10	0	06	3
4	1015.5	487	0	0	1013.6	331	0	0	1011.3	220	0	0	993.5	0	0	05	4
5	1015.4	476	0	0	1013.6	331	0	0	1011.2	216	0	0	997.1	+	0	+	5
6	1015.4	476	0	0	1013.5	325	0	0	1011.1	213	0	0	989.3	0	0	+	6
7	1015.3	466	0	0	1013.4	319	0	0	1011.1	213	0	0	989.3	0	0	+	7
8	1015.2	456	0	0	1013.3	313	0	0	1011.0	209	0	0	989.2	0	0	+	8
9	1015.2	456	0	0	1013.3	313	0	0	1010.9	206	0	0			0	0	9
10	1015.1	446	0	0	1013.2	306	0	0	1010.8	203	0	0			0	0	10
11	1015.0	436	0	0	1013.1	300	0	0	1010.7	200	0	0			0	0	11
12	1015.0	436	0	0	1013.1	300	0	0	1010.6	197	0	0			0	0	12
13	1014.9	428	0	0	1013.0	294	0	0	1010.5	194	0	0			0	0	13
14	1014.9	428	0	0	1012.9	289	0	0	1010.4	190	0	0			0	0	14
15	1014.8	420	0	0	1012.8	284	0	0	1010.3	187	0	0			0	0	15
16	1014.7	412	0	0	1012.8	284	0	0	1010.3	187	0	0			0	0	16
17	1014.7	412	0	0	1012.7	280	0	0	1010.2	184	0	0			0	0	17
18	1014.6	404	0	0	1012.7	280	0	0	1010.1	181	0	0			0	0	18
19	1014.6	404	0	0	1012.6	275	0	0	1010.0	178	0	0			0	0	19
20	1014.5	396	0	0	1012.6	275	0	0	1009.9	175	0	0			0	0	20
21	1014.5	396	0	0	1012.5	270	0	0	1009.7	170	0	0			0	0	21
22	1014.4	388	0	0	1012.4	265	0	0	1009.6	167	0	0			0	0	22
23	1014.3	380	0	0	1012.3	260	0	0	1009.4	161	0	0			0	0	23
24	1014.3	380	0	0	1012.2	256	0	0	1009.3	158	0	0			0	0	24
25	1014.2	372	0	0	1012.2	256	0	0	1009.1	153	0	0			0	0	25
26	1014.2	372	0	0	1012.1	251	0	0	1009.0	150	0	0			0	0	26
27	1014.1	364	0	0	1012.0	246	0	0	1008.9	148	0	0			0	0	27
28	1014.0	356	0	0	1011.9	242	0	0	1009.2	156	07	03			0	0	28
29	1014.0	356	0	0	1011.8	239	0	0	1009.0	150	0	03			0	0	29
30	1013.9	350	0	0	1011.7	235	0	0	1007.2	108	0	21	989.2	0	0	0	30
31					1011.6	231	0	0	1004.5	62	0	24				0	31
TOTAL			0	0			0	0			07	51			0	31	
Inf. Ac. Ft.			0				0				14				0	1713	
Outf. Ac. Ft.			0 + (167)				0 + (119)				101 + (83)			61 + (0)		172+(1542)	
Maximum Mean Daily Inflow			0				0				07				0	181	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change			-167				-119				-169			-62		0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown — Yearly Totals

Max. W. S. Elev.	1018.0	feet on 4-29-51	Storage	81.6	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS ckd. Date
Min. W. S. Elev. **	986.0	feet on 1-3-4-51	Storage	0	Acre Feet	K. M. YORK	Dam Tender	Gage Hts. copied WLT 10-15-51
Max. Peak Inf.	468.	C. F. S. from 3:10 PM	on 1-11-51	to 3:40 PM	on 1-11-51	T. E. MOON	Hydrographer	Storage applied WLT
Max. Peak Outf.	22.	C. F. S. from 1:00 PM	on 1-3-51	to 2:00 PM	on 1-3-51		Hydrographer	Inf. & Outf. comp. WLT

REMARKS ()Indicates percolation and evaporation losses. APK
** Elevation sill of sluice gate.

F. C. Dist. Form 88A Revised 500 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of EATON WASH Dam

~~In~~ On Eaton Wash for the Year Ending September 30, 1950

Continuous Water Stage Recorder Au

Drainage Area 9.48 Square Miles. Capacity of Reservoir 664.9 Ac. Ft. at Spillway Elev. 887.5 Ft. as of June 1950 Survey Gage Heights Read Daily

Day	OCTOBER Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	NOVEMBER Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	DECEMBER Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	JANUARY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Day
1	843.0±		0	0	843.0±		0	0	851.2 *	28	0	0	855.4	14.7	0	0	1
2			0	0			0	0	851.1	27	0	0	855.2	14.1	0	0	2
3			0	0			0	0	851.0	26	0	0	855.0	13.4	0	0	3
4			0	0			0	0	850.8	24	0	0	854.9	13.1	0	0	4
5			0	0			0	0	850.7	24	0	0	854.7	12.6	0	0	5
6			0	0			0	0	850.6	23	0	0	854.5	12.0	0	0	6
7			0	0			0	0	850.6	23	0	0	854.4	11.7	0	0	7
8			0	0			0	0	850.4	35	0.7	0	856.0	16.7	2.9	0	8
9			0	0	843.0	0	0	0	850.9	33	0	0	856.1	17.1	0.6	0	9
10			0	0	859.3	32.9	20.3	0	850.8	32	0	0	855.9	16.4	0	0	10
11			0	0	858.6	28.8	0	0	850.7	31	0	0	856.8	19.9	2.1	0	11
12			0	0	858.1	26.1	0	0	850.6	29	0	0	856.7	19.5	0.2	0	12
13			0	0	857.8	24.5	0	0	850.5	28	0	0	856.5	18.7	0	0	13
14			0	0	853.0*	7.9	0	7.9	850.3	26	0	0	856.3	17.9	0	0	14
15			0	0	853.0	7.5	0	0.1	850.3	25	0	0	856.1	17.1	0	0	15
16			0	0	853.0	** 7.1	0	0	850.3	24	0	0	855.9	16.4	0	0	16
17			0	0	853.0	6.7	0	0	850.3 *	24	0	0	855.7	15.7	0	0	17
18			0	0	852.9	6.3	0	0	860.7	420	22.6	0	855.6	15.4	0	0	18
19			0	0	852.8	5.9	0	0	862.2	533	8.3	0	855.4	14.7	0	0	19
20			0	0	852.6	5.6	0	0	858.1	261	0	12.1	855.2	14.1	0	0	20
21			0	0	852.4	5.3	0	0	857.8	245	0	0	855.1	13.7	0	0	21
22			0	0	852.3	5.0	0	0	857.5	231	0	0	854.9	13.1	0	0	22
23			0	0	852.2	4.7	0	0	857.3	221	0	0	854.7	12.6	0	0	23
24			0	0	852.0	4.4	0	0	857.0	207	0	0	854.6	12.3	0	0	24
25			0	0	851.9	4.1	0	0	856.8	199	0	0	854.4	11.7	0	0	25
26			0	0	851.8	3.8	0	0	856.5	187	0	0	854.2	11.2	0	0	26
27			0	0	851.7	3.5	0	0	856.3	179	0	0	854.1	10.9	0	0	27
28			0	0	851.6	3.2	0	0	856.1	171	0	0	854.1	10.9	0	0	28
29			0	0	851.5	** 3.0	0	0	855.9	164	0	0	853.9	10.4	0	0	29
30			0	0	851.3 *	2.9	0	0	855.7	157	0	0	853.8	10.1	0	0	30
31	843.0±		0	0					855.5	151	0	0	853.6	9.6	0	0	31
TOTAL			0	0			203	8.0			31.6	12.1			5.8	0	
Inf. Ac. Ft.			0				40.3				62.7			115		114.5	
Outf. Ac. Ft.				0			159 + (21.4)				24.0 + (25.4)			0 + (17.1)		39.9 + (64.9)	
Maximum Mean Daily Inflow			0				20.3				22.6			2.9		22.6	
Minimum Mean Daily Inflow			0				0				0			0		0	
Storage Change			0		+ 2.9				+ 12.2				- 5.5			+ 9.5	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

½ Year

Max. W. S. Elev.	862.3	feet	on	12-20-49	Storage	54.1	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	843.±	feet	on	Various times	Storage	0	Acre Feet	D. E. WILSON	Dam Tender	Gage Hts. copied GPB	JHL 2-26-51
Max. Peak Inf.	88.	C. F. S. from	600 PM	on 12-18-49	to	700 PM	on 12-18-49	T. E. MOON	Hydrographer	Storage applied GPB	JHL
Max. Peak Outf.	62.	C. F. S. from	1100 AM	on 11-14-49	to	1200 N	on 11-14-49		Hydrographer	Inf. & Outf. comp. GPB	JHL *

REMARKS ( ) Indicates percolation and evaporation losses

* Storage in pit and reservoir; pit W.S. Elev. used. Reservoir dry 11-28 to 12-7-49

** Storage interpolated.

F. C. Dist. Form 88B Revised 500 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of EATON WASH Dam

~~In~~ On Eaton Wash for the Year Ending September 30, 1950

Continuous Water Stage Recorder Au

Drainage Area 9.48 Square Miles. Capacity of Reservoir 664.9 Ac. Ft. at Spillway Elev. 887.5 Ft. as of JUNE 1950 SURVEY Gage Heights Read Daily

Day	FEBRUARY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	MARCH Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	APRIL Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	MAY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Day
1	853.5	9.4	0	0	852.3	6.8	0	0	854.9	13.1	0	0	851.8	5.9	0	0	1
2	853.4	9.2	0	0	852.2	6.6	0	0	854.7	12.6	0	0	851.7	5.7	0	0	2
3	853.2	8.7	0	0	852.0	6.2	0	0	854.6	12.3	0	0	851.6	5.6	0	0	3
4	853.0	8.2	0	0	851.9	6.0	0	0	854.4	11.7	0	0	851.4	5.2	0	0	4
5	852.9	8.0	0	0	851.8	5.9	0	0	854.2	11.2	0	0	851.3*	5.0	0	0	5
6	860.3	39.2	18.3	0	851.6	5.6	0	0	854.0	10.6	0	0	851.1	4.7	0	0	6
7	860.5	40.6	3.3	0	851.5	5.4	0	0	853.9	10.4	0	0	851.0	4.5	0	0	7
8	860.0	37.2	0	0	851.3	5.1	0	0	855.1	13.7	2.7	0	850.9	4.3	0	0	8
9	855.0	13.4	0	10.4	851.3 *	5.0	0	0	855.4	14.7	1.3	0	850.8	4.1	0	0	9
10	855.2	14.1	0.8	0	851.2	4.8	0	0	855.2	14.1	0	0	850.7	3.9	0	0	10
11	855.0	13.4	0	0	851.1	4.6	0	0	855.0	13.4	0	0	850.6	3.7	0	0	11
12	854.9	13.1	0	0	850.9	4.3	0	0	854.9	13.1	0	0	850.5	3.6	0	0	12
13	854.7	12.6	0	0	850.8	4.1	0	0	854.7	12.6	0	0	850.4	3.4	0	0	13
14	854.6	12.3	0	0	850.7	3.9	0	0	854.5	12.0	0	0	850.2	3.2	0	0	14
15	854.4	11.7	0	0	850.7	3.8	0	0	854.3	11.4	0	0	850.1	3.1	0	0	15
16	854.3	11.4	0	0	850.6	3.6	0	0	854.1	10.9	0	0	850.0	2.9	0	0	16
17	854.2	11.2	0	0	850.6	3.6	0	0	854.0	10.6	0	0	849.9	2.9	0	0	17
18	854.0	10.6	0	0	850.5	3.5	0	0	853.8	10.1	0	0	849.8	2.8	0	0	18
19	853.8	10.1	0	0	850.3	3.3	0	0	853.6	9.6	0	0	849.7	2.6	0	0	19
20	853.7	9.9	0	0	850.2	3.1	0	0	853.5	9.4	0	0	849.5	2.5	0	0	20
21	853.5	9.4	0	0	850.1	3.0	0	0	853.3	8.9	0	0	849.4	2.4	0	0	21
22	853.3	8.9	0	0	850.0	2.9	0	0	853.1	8.4	0	0	849.3	2.3	0	0	22
23	853.2	8.7	0	0	849.9 *	2.8	0	0	853.0	8.2	0	0	849.2	2.2	0	0	23
24	853.0	8.2	0	0	855.5	15.1	7.4	0	852.8	7.8	0	0	849.1	2.1	0	0	24
25	852.9	8.0	0	0	856.4	18.3	2.6	0	852.7	7.6	0	0	849.1	2.1	0	0	25
26	852.7	7.6	0	0	856.1	17.1	0	0	852.5	7.2	0	0	849.0	2.0	0	0	26
27	852.6	7.4	0	0	855.9	16.4	0	0	852.4	7.0	0	0	848.9	1.9	0	0	27
28	852.4	7.0	0	0	855.7	15.7	0	0	852.3	6.8	0	0	848.8	1.9	0	0	28
29					855.5	15.1	0	0	852.1	6.4	0	0	848.7	1.8	0	0	29
30					855.3	14.4	0	0	852.0	6.2	0	0	848.6	1.7	0	0	30
31					855.1	13.7	0	0					848.5	1.6	0	0	31
TOTAL			22.4	10.4			10.0	0			4.0	0			0	0	
Inf. Ac. Ft.			44.4				19.8				7.9			0		186.6	
Outf. Ac. Ft.			20.6 + (26.4)				0 + (13.1)				0 + (15.5)			0 + (4.6)		60.5 + (124.5)	
Maximum Mean Daily Inflow			18.3				7.4				2.7			0		22.6	
Minimum Mean Daily Inflow			0				0				0			0		0	
Storage Change		- 2.6			+ 6.7				- 7.5				- 4.6			+ 1.6	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

¾ Year

Max. W. S. Elev.	862.3	feet	on	12-20-49	Storage	54.1	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	843.+	feet	on	Various times	Storage	0	Acre Feet	D. E. WILSON	Dam Tender	Gage Hts. copied GPB	JHL 2-26-51
Max. Peak Inf.	88.	C. F. S. from	600 PM	on 12-18-49	to	700 PM	on 12-18-49	T. E. MOON	Hydrographer	Storage applied GPB	JHL
Max. Peak Outf.	62.	C. F. S. from	1100 AM	on 11-14-49	to	1200 N	on		Hydrographer	Inf. & Outf. comp. GPB	JHL

REMARKS * Storage in pit and reservoir; pit W. S. Elev. used.

( ) Indicates percolation and evaporation losses.

F. C. Dist. Form 86C Revised 500 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of EATON WASH Dam

In/On Eaton Wash for the Year Ending September 30, 19 50

Continuous Water Stage Recorder Au

Drainage Area 9.48 Square Miles. Capacity of Reservoir 664.9 Ac. Ft. at Spillway Elev. 887.5 Ft. as of June, 19 50 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	848.5	* 1.0	0	0.3	846.1	* 0.1	0	0			0	0			0	0	1
2	848.4	0.9	0	0	846.0	0.1	0	0			0	0			0	0	2
3	848.3	0.8	0	0	846.0	0.1	0	0			0	0			0	0	3
4	848.2	0.8	0	0	845.9	0.1	0	0			0	0			0	0	4
5	848.1	0.8	0	0	845.9	0.1	0	0			0	0			0	0	5
6	848.0	0.7	0	0	845.8	0.1	0	0			0	0			0	0	6
7	847.9	0.7	0	0	845.8	0.1	0	0			0	0			0	0	7
8	847.8	0.6	0	0	845.7	0.1	0	0			0	0			0	0	8
9	847.7	0.6	0	0	845.7	0.1	0	0			0	0			0	0	9
10	847.6	0.6	0	0	845.6	0.1	0	0			0	0			0	0	10
11	847.5	0.6	0	0	845.6	0.1	0	0			0	0			0	0	11
12	847.4	0.5	0	0	845.5	0.1	0	0			0	0			0	0	12
13	847.3	0.5	0	0	845.5	0.1	0	0			0	0			0	0	13
14	847.3	0.5	0	0	845.4	+	0	0			0	0			0	0	14
15	847.2	0.5	0	0	845.4	+	0	0			0	0			0	0	15
16	847.1	0.4	0	0	845.3	+	0	0	Pit and Reservoir Dry		0	0	Res.		0	0	16
17	847.0	0.4	0	0	845.2	+	0	0			0	0	847.9	0.7	0.6	0	17
18	846.9	0.4	0	0	845.1	+	0	0			0	0	847.0	0.4	0	0	18
19	846.9	0.4	0	0	845.0	* +	0	0			0	0	845.6	0.3	0	0	19
20	846.8	0.3	0	0		0	0	0			0	0	843.7	0.1	0	0	20
21	846.7	0.3	0	0		0	0	0			0	0			0	0	21
22	846.6	0.3	0	0		0	0	0			0	0			0	0	22
23	846.6	0.3	0	0		0	0	0			0	0			0	0	23
24	846.5	0.2	0	0		0	0	0			0	0			0	0	24
25	846.4	0.2	0	0		0	0	0			0	0			0	0	25
26	846.3	0.2	0	0		0	0	0			0	0	Dry		0	0	26
27	846.3	0.2	0	0	Dry	0	0	0			0	0			0	0	27
28	846.2	0.2	0	0		0	0	0			0	0			0	0	28
29	846.2	0.2	0	0	Pit	0	0	0			0	0			0	0	29
30	846.1	* 0.1	0	0		0	0	0			0	0			0	0	30
31						0	0	0			0	0					31
TOTAL			0	0.3			0	0			0	0			0.6	0	
Inf. Ac. Ft.			0				0				0			1.2		137.8	
Outf. Ac. Ft.			0.6 + (1.0)				0 + (0.1)				0			0 + 1.2		61.1(126.8)	
Maximum Mean Daily Inflow			0				0				0			0.6		22.6	
Minimum Mean Daily Inflow			0				0				0			0		0	
Storage Change		-1.5				-0.1					0		0			0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown — Yearly Totals

Max. W. S. Elev.	862.3	feet	on 12-20-49	Storage	54.1	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	843.+	feet	on Various times	Storage	0	Acre Feet	D. E. WILSON	Dam Tender	Gage Hts. copied	GPB JHL 2-26-51
Max. Peak Inf.	88.	C.F.S. from	600 PM on 12-18-49	to	700 PM	on 12-18-49	T. E. MOON	Hydrographer	Storage applied	GPB JHL
Max. Peak Outf.	62.	C.F.S. from	1100 AM on 11-14-49	to	1200 N	on 11-14-49		Hydrographer	Inf. & Outf. comp.	GPB JHL

REMARKS * Storage in pit only
( ) Indicates percolation and evaporation losses.

F. C. Dist. Form 86A Revised 500 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of EATON WASH Dam

In/On Eaton Wash for the Year Ending September 30, 19 51

Continuous Water Stage Recorder Au

Drainage Area 9.48 Square Miles. Capacity of Reservoir 664.9 Ac. Ft. at Spillway Elev. 887.5 Ft. as of June 1, 19 50 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	843.0		0	0	843.0	0	0	0	843.0	0	0	0	843.0	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	843.0	* 0	0	0	9
10			0	0			0	0			0	0	848.7	* 0.9	0.9	0	10
11			0	0			0	0			0	0	852.6	7.4	3.8	0	11
12			0	0	843.0	0	0	0			0	0	852.3	6.8	0	0	12
13			0	0	844.1	0.1	0.2	0			0	0	852.0	6.2	0	0	13
14			0	0	844.4	0.1	0.5	0			0	0	851.7	5.7	0	0	14
15			0	0	843.0	0	0	0			0	0	851.4	5.2	0	0	15
16			0	0			0	0			0	0	851.5	5.4	0.4	0	16
17			0	0			0	0			0	0	851.0	* 4.9	0	0	17
18			0	0	843.0	0	0	0			0	0	851.0	* 4.8	0.2	0	18
19			0	0	844.8	0.2	0.8	0			0	0	852.1	6.4	1.1	0	19
20			0	0	843.7	0.1	0	0			0	0	851.9	6.0	0	0	20
21			0	0	843.0	0	0	0			0	0	851.7	5.7	0	0	21
22			0	0			0	0			0	0	851.5	5.4	0	0	22
23			0	0			0	0			0	0	851.2	* 5.0	0	0	23
24			0	0			0	0			0	0	850.9	4.7	0	0	24
25			0	0			0	0			0	0	850.5	4.4	0	0	25
26			0	0			0	0			0	0	849.9	4.0	0	0	26
27		+	0	0			0	0			0	0	849.4	3.7	0	0	27
28			0	0			0	0			0	0	849.2	* 3.4	0	0	28
29			0	0			0	0			0	0	853.4	9.2	3.4	0	29
30			0	0	843.0	0	0	0			0	0	853.1	8.4	0	0	30
31	843.0		0	0					843.0	0	0	0	852.9	8.0	0	0	31
TOTAL			0	0			1.5	0			0	0			9.8	0	
Inf. Ac. Ft.			0				3.0				0				19.4		22.4
Outf. Ac. Ft.			0				0 + (3.0)				0				0 + (11.5)		0 + (14.5)
Maximum Mean Daily Inflow			0				0.8				0				3.8		3.8
Minimum Mean Daily Inflow			0				0				0				0		0
Storage Change		0				0				0				+8.0			+8.0

NOTE: Gage Heights and Storages as of Midnight on Day Shown — ½ Year

Max. W. S. Elev.	854.9	feet	on 4-30-51	Storage	13.1	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	843.+	feet	on Various times	Storage	0	Acre Feet	D. E. WILSON	Dam Tender	Gage Hts. copied	GPB JHL
Max. Peak Inf.	80.5	C.F.S. from	3:30 PM on 1-11-51	to	4:00 PM	on 1-11-51	T. E. MOON	Hydrographer	Storage applied	GPB JHL
Max. Peak Outf.	3.9	C.F.S. from	12:00 NOON on 5-3-51	to	5:00 AM	on 5-4-51		Hydrographer	Inf. & Outf. comp.	GPB JHL 4-13-51

REMARKS ( ) Indicates percolation and evaporation.
* Storage in reservoir and pit; reservoir G.H. used.

EATON (cont'd.)

F. C. Dist. Form 66B Revised 566 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of EATON WASH Dam

~~In~~ On Eaton Wash for the Year Ending September 30, 1951

Continuous Water Stage Recorder Au

Drainage Area 9.48 Square Miles. Capacity of Reservoir 664.9 Ac. Ft. at Spillway Elev. 887.5 Ft. as of June 1, 1950 Survey Gage Heights Read Daily

Day	FEBRUARY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	MARCH Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	APRIL Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	MAY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Day
1	852.6	7.4	0	0	850.7	**4.6	1.2	0	848.6	**1.1	0	0	854.4	11.7	0	0	1
2	852.4	7.0	0	0	850.6	4.3	0	0	848.6	1.1	0	0	854.2	11.2	0	0	2
3	852.2	6.6	0	0	850.5	4.0	0	0	848.6	1.2	0.1	0	852.0	6.2	0	2.3	3
4	852.0	6.2	0	0	850.4	3.8	0	0	848.6	1.8	0.4	0	851.4	***3.0	0	1.5	4
5	851.8	5.9	0	0	850.3	3.5	0	0	848.6	1.6	0	0	851.3	2.9	0	0	5
6	851.7	5.7	0	0	850.2	3.3	0	0	848.5	1.5	0	0	851.2	2.8	0	0	6
7	851.5	5.4	0	0	850.2	3.2	0	0	848.5	1.4	0	0	851.1	2.7	0	0	7
8	851.4	5.2	0	0	850.1	3.0	0	0	848.5	1.3	0	0	851.0	2.6	0	0	8
9	851.3	**4.9	0	0	850.0	2.7	0	0	848.4	1.2	0	0	850.9	2.5	0	0	9
10	851.2	4.7	0	0	849.9	2.6	0	0	848.4	1.2	0	0	850.8	2.4	0	0	10
11	851.1	4.4	0	0	849.8	2.4	0	0	848.3	1.1	0	0	850.8	2.4	0	0	11
12	851.0	4.1	0	0	849.7	2.2	0	0	848.2	1.0	0	0	850.7	2.4	0	0	12
13	850.9	3.8	0	0	849.6	2.1	0	0	848.1	**0.8	0	0	850.6	2.3	0	0	13
14	850.9	3.6	0	0	849.6	2.0	0	0	848.0	***0.7	0	0	850.5	2.2	0	0	14
15	850.8	3.4	0	0	849.5	1.9	0	0	847.9	0.7	0	0	850.5	2.2	0	0	15
16	850.7	3.2	0	0	849.5	1.9	0	0	847.9	0.7	0	0	850.4	2.1	0	0	16
17	850.6	3.0	0	0	849.4	1.8	0	0	847.9	0.7	0	0	850.3	2.0	0	0	17
18	850.5	2.9	0	0	849.4	1.8	0	0	847.8	0.6	0	0	850.2	2.0	0	0	18
19	850.5	2.7	0	0	849.4	1.8	0	0	847.8	0.6	0	0	850.1	1.9	0	0	19
20	850.4	2.5	0	0	849.3	1.7	0	0	847.7	0.6	0	0	850.0	1.8	0	0	20
21	850.3	2.4	0	0	849.3	1.7	0	0	847.7	0.6	0	0	849.9	1.7	0	0	21
22	850.3	2.3	0	0	849.2	1.6	0	0	847.6	0.6	0	0	849.8	1.7	0	0	22
23	850.3	2.3	0.1	0	849.2	1.6	0	0	847.6	0.6	0	0	849.7	1.6	0	0	23
24	850.2	2.1	0	0	849.1	1.6	0	0	847.5	***0.6	0	0	849.6	1.6	0	0	24
25	850.1	2.0	0	0	849.1	1.5	0	0	848.4	**3.0	1.5	0	849.4	1.4	0	0	25
26	850.1	3.3	0.7	0	849.1	1.5	0	0	848.3	**2.7	0	0	849.3	1.4	0	0	26
27	850.1	3.2	0	0	849.0	1.4	0	0	848.2	**2.4	0	0	849.2	1.3	0	0	27
28	850.1	**3.0	0	0	848.9	1.4	0	0	853.3	8.9	3.6	0	849.1	1.3	0	0	28
29					848.8	1.3	0	0	854.9	13.1	2.8	0	849.0	1.2	0	0	29
30					848.8	1.3	0	0	854.7	12.6	0.2	0	848.8	1.1	0	0	30
31					848.7	**1.2	0	0					848.7	***1.0	0	0	31
TOTAL			0.8	0			1.2	0			8.6	0			0	3.8	
Inf. Ac. Ft.			1.6				2.4				17.1				0	4.3.5	
Outf. Ac. Ft.			0 + (6.5)				0 + (4.2)				0 + (5.8)			7.5 + (4.0)		7.5 + (3.5.0)	
Maximum Mean Daily Inflow			0.7				1.2				3.6				0	3.8	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		-5.0				-1.8				+11.4				-11.6		+1.0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown — ½ Year

Max. W. S. Elev.	854.9	feet	on	4-30-51	Storage	13.1	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	843+	feet	on	Various times	Storage	0	Acre Feet	D. E. WILSON	Dam Tender	Gage Hts. copied	GPB	JHL
Max. Peak Inf.	80.5	C.F.S. from	3:00 PM	on	1-11-51	to	4:00 PM	on	1-11-51	T. E. MOON	Hydrographer	Storage applied	GPB	JHL
Max. Peak Outf.	3.9	C.F.S. from	12:00 NOON	on	5-3-51	to	5:00 AM	on	5-4-51		Hydrographer	Inf. & Outf. comp.	GPB	JHL 4-13-51

REMARKS () Indicates percolation and evaporation. APK 6-26-5

** Pit W.S. elevation used, storage in pit and reservoir.

*** Reservoir dry - storage in pit only.

F. C. Dist. Form 66C Revised 566 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of EATON WASH Dam

~~In~~ On Eaton Wash for the Year Ending September 30, 1951

Continuous Water Stage Recorder Au

Drainage Area 9.48 Square Miles. Capacity of Reservoir 664.9 Ac. Ft. at Spillway Elev. 887.5 Ft. as of June 1, 1950 Survey Gage Heights Read Daily

Day	JUNE Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	JULY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	AUGUST Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	SEPTEMBER Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Day
1	848.7	1.0	0	0	847.0	0.4	0	0			0	0			0	0	1
2	848.6	1.0	0	0	846.9	0.4	0	0			0	0			0	0	2
3	848.5	1.0	0	0	846.9	0.4	0	0			0	0			0	0	3
4	848.4	0.9	0	0	846.8	0.3	0	0			0	0			0	0	4
5	848.3	0.8	0	0	846.8	0.3	0	0			0	0			0	0	5
6	848.3	0.8	0	0	846.7	0.3	0	0			0	0			0	0	6
7	848.2	0.8	0	0	846.7	0.3	0	0			0	0			0	0	7
8	848.2	0.8	0	0	846.6	0.3	0	0			0	0			0	0	8
9	848.1	0.8	0	0	846.5	0.2	0	0			0	0			0	0	9
10	848.0	0.7	0	0	846.4	0.2	0	0			0	0			0	0	10
11	848.0	0.7	0	0	846.3	0.2	0	0			0	0			0	0	11
12	847.9	0.7	0	0	846.2	0.2	0	0			0	0			0	0	12
13	847.9	0.7	0	0	846.1	0.1	0	0			0	0			0	0	13
14	847.8	0.6	0	0	846.0	0.1	0	0			0	0			0	0	14
15	847.8	0.6	0	0	845.9	0.1	0	0			0	0			0	0	15
16	847.7	0.6	0	0	845.8	0.1	0	0			0	0			0	0	16
17	847.7	0.6	0	0	845.7	0.1	0	0			0	0			0	0	17
18	847.6	0.6	0	0	845.6	0.1	0	0			0	0			0	0	18
19	847.6	0.6	0	0	845.5	0.1	0	0			0	0			0	0	19
20	847.5	0.6	0	0	845.4	0	0	0			0	0			0	0	20
21	847.5	0.6	0	0	845.3	0	0	0			0	0			0	0	21
22	847.4	0.5	0	0	845.2	0	0	0			0	0			0	0	22
23	847.4	0.5	0	0	845.0	0	0	0			0	0			0	0	23
24	847.3	0.5	0	0	845.0	0	0	0			0	0			0	0	24
25	847.3	0.5	0	0	845.0	0	0	0			0	0			0	0	25
26	847.2	0.5	0	0	845.0	0	0	0			0	0			0	0	26
27	847.2	0.5	0	0	845.0	0	0	0			0	0			0	0	27
28	847.1	0.4	0	0	845.0	0	0	0			0	0			0	0	28
29	847.1	0.4	0	0	845.0	0	0	0			0	0			0	0	29
30	847.0	0.4	0	0	845.0	0	0	0			0	0			0	0	30
31					845.0	0	0	0			0	0			0	0	31
TOTAL			0	0			0	0			0	0			0	0	
Inf. Ac. Ft.			0				0				0				0	4.3.5	
Outf. Ac. Ft.			0 + (0.6)				0 + (0.4)				0				0	7.5 + (3.6.0)	
Maximum Mean Daily Inflow			0				0				0				0	3.8	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		-0.6				-0.4				0				0		0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown — Yearly Totals

Max. W. S. Elev.	854.9	feet	on	4-30-51	Storage	13.1	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	843±	feet	on	Various times	Storage	0	Acre Feet	D. E. WILSON	Dam Tender	Gage Hts. copied	WLT	
Max. Peak Inf.	80.5	C.F.S. from	3:30 PM	on	1-11-51	to	4:00 PM	on	1-11-51	T. E. MOON	Hydrographer	Storage applied	WLT	
Max. Peak Outf.	3.9	C.F.S. from	12:00 NOON	on	5-3-51	to	5:00 AM	on	5-4-51		Hydrographer	Inf. & Outf. comp.	WLT 10-16-51	

REMARKS Storage in pit only. APK 11-20-51

F. C. Dist. Form 68A Revised 500 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of BIG SANTA ANITA Dam

In ~~On~~ Santa Anita Canyon for the Year Ending September 30, 1950

Continuous Water Stage Recorder Au

Drainage Area 10.8 Square Miles. Capacity of Reservoir 727.6 Ac. Ft. at Spillway Elev. 1316.0 Ft. as of January, 1947 Survey Gage Heights Read Daily

Day	OCTOBER Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	NOVEMBER Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	DECEMBER Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	JANUARY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Day
1	12498	1556	02	12	12431	1253	03	11	12506	1595	06	11	12544	1786	15	14	1
2	12494	1537	02	12	12430	1249	03	07	12505	1590	06	11	12544	1786	15	14	2
3	12490	1518	03	12	12431	1253	03	004	12503	1580	06	11	12544	1786	15	14	3
4	12486	1499	03	12	12432	1258	03	004	12501	1571	07	11	12544	1786	15	14	4
5	12482	1480	03	12	12434	1266	03	004	12499	1561	07	11	12545	1791	15	14	5
6	12478	1462	03	12	12435	1271	03	004	12497	1552	07	11	12545	1791	14	14	6
7	12474	1443	03	12	12433	1262	03	08	12495	1542	07	11	12545	1791	14	14	7
8	12470	1425	03	12	12428	1241	03	11	12494	1537	08	11	12554	1838	38	14	8
9	12466	1407	03	12	12427	1236	05	08	12493	1532	09	11	12567	1908	49	14	9
10	12462	1389	03	12	12542	1775	272	001	12492	1528	09	11	12568	1913	27	25	10
11	12459	1376	03	12	12554	1838	32	001	12491	1523	09	11	12580	1979	66	32	11
12	12455	1358	03	12	12560	1870	16	001	12490	1518	09	11	12581	1985	71	68	12
13	12451	1340	03	12	12564	1892	11	001	12489	1513	08	11	12557	1854	35	101	13
14	12448	1327	03	12	12562	1881	08	13	12488	1509	08	11	12551	1822	38	54	14
15	12444	1310	04	12	12557	1854	06	19	12487	1504	08	11	12554	1838	39	31	15
16	12439	1288	04	12	12552	1828	06	19	12485	1495	08	11	12555	1844	34	31	16
17	12435	1271	05	12	12547	1801	06	19	12484	1490	08	11	12556	1849	33	31	17
18	12433	1262	04	09	12542	1775	06	19	12597	2074	305	11	12555	1844	29	31	18
19	12434	1266	04	006	12538	1755	06	19	12628	2254	209	118	12554	1838	28	31	19
20	12435	1271	03	006	12533	1729	06	19	12577	1963	93	240	12553	1833	28	31	20
21	12436	1275	03	006	12528	1704	06	19	12548	1807	61	140	12551	1822	26	31	21
22	12437	1279	03	006	12524	1684	06	15	12549	1812	39	36	12548	1807	23	31	22
23	12438	1283	03	006	12527	1674	07	12	12550	1817	33	31	12545	1791	23	31	23
24	12437	1279	03	05	12520	1664	07	12	12550	1817	30	30	12542	1775	23	31	24
25	12433	1262	03	11	12518	1654	07	12	12548	1807	24	29	12541	1770	23	24	25
26	12431	1253	03	08	12516	1644	07	12	12545	1791	21	29	12542	1775	23	19	26
27	12433	1262	03	004	12514	1634	07	12	12541	1770	19	29	12544	1786	23	19	27
28	12435	1271	03	004	12512	1624	06	11	12540	1765	17	19	12546	1796	23	19	28
29	12436	1275	03	004	12510	1614	06	11	12541	1770	17	14	12555	1844	44	19	29
30	12437	1279	03	004	12508	1604	06	11	12542	1775	16	14	12558	1859	27	19	30
31	12435	1271	03	06					12543	1781	16	14	12561	1875	26	19	31
TOTAL			97	2476			469	301			1030	941			901	854	
Inf. Ac. Ft.			192				930				2043				1787	4952	
Outf. Ac. Ft.			491				597				1866				1694	4648	
Maximum Mean Daily Inflow			05				272				305				71	305	
Minimum Mean Daily Inflow			02				03				06				14	02	
Storage Change		−300				+333				+177				+94		+3044	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

½ Year

Max. W. S. Elev.	1284.7	feet	on May 25 - 30, 1950	Storage	383.3	Acre Feet		
Min. W. S. Elev.	1242.6	feet	on 11-9-49	Storage	123.2	Acre Feet		
Max. Peak Inf.	115.	C. F. S. from	8:00 PM	on 12-18-49	to 10:00 PM	on 12-18-49		
Max. Peak Outf.	25.	C. F. S. from	3:15 PM	on 12-19-49	to Midnight	on 12-19-49		

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
K. A. SHIPLEY	Dam Tender	Gage Hts. copied	JHL CJR	4-24-49
T. E. MOON	Hydrographer	Storage applied	JHL CJR	
	Hydrographer	Inf. & Outf. comp.	JHL CJR	

REMARKS
(Indicates average for period.
No allowance made for percolation or evaporation.
Outflows from Station F119B-R.

F. C. Dist. Form 68B Revised 500 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of BIG SANTA ANITA Dam

In ~~On~~ Santa Anita Canyon for the Year Ending September 30, 1950

Continuous Water Stage Recorder Au

Drainage Area 10.8 Square Miles. Capacity of Reservoir 727.6 Ac. Ft. at Spillway Elev. 1316.0 Ft. as of January, 1947 Survey Gage Heights Read Daily

Day	FEBRUARY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	MARCH Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	APRIL Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	MAY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Day
1	12563	1886	23	19	12552	1828	26	20	12654	2412	20	15	12821	3615	19	12	1
2	12564	1892	22	18	12554	1838	26	20	12656	2424	20	15	12823	3632	19	12	2
3	12566	1902	22	19	12556	1849	26	20	12658	2437	20	15	12825	3648	19	12	3
4	12566	1902	22	19	12558	1859	26	20	12650	2449	19	15	12827	3664	18	12	4
5	12567	1908	22	19	12560	1870	25	20	12661	2455	19	15	12829	3681	18	12	5
6	12621	2213	215	62	12561	1875	22	20	12662	2462	19	15	12830	3689	18	12	6
7	12628	2254	111	90	12562	1881	22	20	12663	2468	19	15	12832	3706	18	12	7
8	12624	2231	78	90	12563	1886	22	20	12703	2727	146	15	12833	3714	18	12	8
9	12616	2184	67	90	12564	1892	22	19	12729	2906	105	15	12834	3723	18	12	9
10	12612	2161	78	90	12567	1908	22	15	12742	3000	62	15	12834	3723	18	12	10
11	12604	2114	66	90	12568	1913	22	20	12752	3073	52	15	12835	3731	18	12	11
12	12593	2052	54	90	12568	1913	22	20	12760	3133	46	15	12836	3739	17	13	12
13	12583	1996	54	90	12566	1913	22	20	12766	3179	38	15	12836	3739	17	13	13
14	12567	1908	54	90	12568	1913	22	20	12771	3217	34	15	12837	3748	17	13	14
15	12552	1828	54	90	12569	1919	21	20	12776	3255	34	15	12839	3765	17	13	15
16	12544	1786	35	55	12569	1919	20	20	12779	3278	27	15	12840	3773	17	13	16
17	12544	1786	35	34	12569	1919	20	20	12782	3302	26	15	12841	3782	17	13	17
18	12547	1801	35	32	12569	1919	19	20	12786	3333	26	13	12842	3790	17	13	18
19	12548	1807	35	32	12568	1913	19	20	12789	3357	26	12	12843	3799	17	13	19
20	12548	1807	34	32	12569	1919	19	17	12792	3381	26	12	12844	3807	17	13	20
21	12549	1812	31	32	12570	1924	18	15	12794	3397	24	12	12844	3807	16	13	21
22	12549	1812	31	32	12571	1930	18	15	12797	3420	23	12	12845	3816	16	13	22
23	12550	1817	31	27	12572	1935	17	15	12800	3444	23	12	12845	3816	16	13	23
24	12549	1812	31	32	12596	2063	83	15	12804	3476	23	12	12846	3824	15	13	24
25	12548	1807	31	32	12623	2225	93	15	12806	3493	23	12	12847	3833	15	13	25
26	12547	1801	27	32	12632	2278	42	15	12809	3517	23	12	12847	3833	13	13	26
27	12547	1801	27	25	12638	2314	33	15	12811	3533	23	12	12847	3833	12	13	27
28	12549	1812	26	20	12643	2344	30	15	12814	3556	23	12	12847	3833	12	13	28
29					12647	2369	28	15	12816	3574	22	12	12847	3833	12	13	29
30					12650	2387	24	15	12819	3599	22	12	12847	3833	12	13	30
31					12653	2406	24	15					12846	3824	12	13	31
TOTAL			1351	1383			855	556			1013	412			505	392	
Inf. Ac. Ft.			2680				1696				2009				1002	12339	
Outf. Ac. Ft.			3743				1103				817				778	10089	
Maximum Mean Daily Inflow			215				93				146				19	305	
Minimum Mean Daily Inflow			22				17				19				12	02	
Storage Change		−63				+594				+1193				+225		+2253	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

½ Year

Max. W. S. Elev.	1284.7	feet	on 5-25 to 5-30-50	Storage	383.3	Acre Feet		
Min. W. S. Elev.	1242.6	feet	on 11-9-49	Storage	123.2	Acre Feet		
Max. Peak Inf.	115.	C. F. S. from	8:00 PM	on 12-18-49	to 10:00 PM	on 12-18-49		
Max. Peak Outf.	25.	C. F. S. from	3:15 PM	on 12-19-49	to Midnight	on 12-19-49		

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
K. A. SHIPLEY	Dam Tender	Gage Hts. copied	JHL GPB	
T. E. MOON	Hydrographer	Storage applied	JHL GPB	
	Hydrographer	Inf. & Outf. comp.	JHL GPB	

REMARKS
(Indicates average for period.
No allowance made for percolation or evaporation.
Outflows from Station F119-R.

F. C. Dist. Form 68 Revised 600 8/38

Daily Gage Height in feet and Operation Record of BIG SANTA ANITA

In ~~On~~ Santa Anita Canyon for the Year Ending September 30, 19 50

FLOOD CONTROL DISTRICT
HYDRAULIC DEPARTMENT

Continuous Water Stage Recorder. Au

Drainage Area 10.8 Square Miles. Capacity of Reservoir 727.6 Ac. Ft. at Spillway Elev. 1316.0 Ft. January 1947 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	1284.6	382.4	1.2	1.3	1282.2	362.3	0.5	1.3	1275.6	310.3	0.3	1.3	1267.3	253.1	0.2	1.2	1
2	1284.6	382.4	1.2	1.3	1282.0	360.7	0.5	1.3	1275.4	308.8	0.3	1.3	1267.0	251.2	0.2	1.2	2
3	1284.6	382.4	1.2	1.3	1281.8	359.1	0.5	1.3	1275.2	307.3	0.3	1.3	1266.7	249.3	0.2	1.2	3
4	1284.6	382.4	1.2	1.3	1281.6	357.4	0.5	1.3	1274.9	305.1	0.3	1.3	1266.4	247.4	0.3	1.2	4
5	1284.5	381.6	1.2	1.3	1281.4	355.8	0.5	1.3	1274.7	303.6	0.3	1.3	1266.1	245.5	0.3	1.2	5
6	1284.5	381.6	1.1	1.3	1281.2	354.1	0.5	1.3	1274.5	302.2	0.3	1.3	1265.8	243.7	0.3	1.2	6
7	1284.4	380.7	1.1	1.3	1281.0	352.5	0.5	1.3	1274.2	300.0	0.3	1.3	1265.5	241.8	0.3	1.2	7
8	1284.4	380.7	1.0	1.3	1280.8	350.9	0.5	1.3	1274.0	298.5	0.3	1.2	1265.2	239.9	0.3	1.2	8
9	1284.3	379.9	1.0	1.3	1280.6	349.3	0.5	1.3	1273.7	296.5	0.3	1.2	1265.0	238.7	0.3	1.2	9
10	1284.3	379.9	1.0	1.3	1280.4	347.6	0.5	1.3	1273.4	294.2	0.3	1.2	1264.7	236.9	0.3	1.2	10
11	1284.2	379.0	1.0	1.3	1280.2	346.0	0.5	1.3	1273.2	292.7	0.3	1.2	1264.4	235.0	0.3	1.2	11
12	1284.0	377.3	1.0	1.3	1280.0	344.4	0.5	1.3	1272.9	290.6	0.3	1.2	1264.1	233.2	0.3	1.2	12
13	1283.9	376.5	1.0	1.3	1279.8	342.8	0.5	1.3	1272.6	288.5	0.3	1.2	1263.8	231.4	0.3	1.2	13
14	1283.8	375.6	1.0	1.3	1279.6	341.2	0.5	1.3	1272.4	287.1	0.3	1.2	1263.5	229.6	0.3	1.2	14
15	1283.8	375.6	0.9	1.3	1279.4	339.7	0.5	1.3	1272.2	285.7	0.3	1.2	1263.2	227.8	0.3	1.2	15
16	1283.7	374.8	0.9	1.3	1279.2	338.1	0.5	1.3	1271.9	283.6	0.3	1.2	1262.9	226.0	0.3	1.2	16
17	1283.7	374.8	0.9	1.3	1279.0	336.5	0.5	1.3	1271.6	281.5	0.3	1.2	1262.7	224.8	0.4	1.2	17
18	1283.6	373.9	0.9	1.3	1278.8	334.9	0.5	1.3	1271.3	279.5	0.3	1.2	1262.4	223.1	0.4	1.2	18
19	1283.5	373.1	0.9	1.3	1278.6	333.3	0.5	1.3	1271.0	277.4	0.3	1.2	1262.1	221.3	0.4	1.2	19
20	1283.4	372.3	1.0	1.3	1278.3	331.0	0.5	1.3	1270.8	276.1	0.3	1.2	1261.8	219.5	0.4	1.2	20
21	1283.3	371.4	0.9	1.3	1278.1	329.4	0.4	1.3	1270.5	274.1	0.3	1.2	1261.5	217.8	0.4	1.1	21
22	1283.2	370.6	0.9	1.2	1277.9	327.8	0.4	1.3	1270.2	272.0	0.3	1.2	1261.2	216.1	0.4	1.1	22
23	1283.1	369.7	0.9	1.3	1277.7	326.3	0.4	1.3	1269.9	270.0	0.3	1.2	1260.9	214.3	0.3	1.1	23
24	1283.0	368.9	0.9	1.3	1277.5	324.8	0.4	1.3	1269.6	268.1	0.3	1.2	1260.7	213.2	0.3	1.1	24
25	1282.9	368.1	0.9	1.3	1277.3	323.2	0.4	1.3	1269.3	266.1	0.3	1.2	1260.4	211.4	0.3	1.1	25
26	1282.9	368.1	0.9	1.3	1277.1	321.7	0.4	1.3	1269.1	264.8	0.3	1.2	1260.2	210.3	0.3	1.1	26
27	1282.8	367.3	0.9	1.3	1276.9	320.1	0.4	1.3	1268.8	262.8	0.3	1.2	1259.9	208.5	0.3	1.1	27
28	1282.7	366.4	0.9	1.3	1276.6	317.9	0.4	1.3	1268.5	260.9	0.2	1.2	1259.7	207.4	0.3	1.1	28
29	1282.5	364.8	0.9	1.3	1276.4	316.3	0.4	1.3	1268.2	258.9	0.2	1.2	1259.4	205.7	0.3	1.1	29
30	1282.4	364.0	0.8	1.3	1276.1	314.1	0.4	1.3	1267.9	257.0	0.2	1.2	1259.1	204.1	0.3	1.1	30
31					1275.9	312.6	0.4	1.3	1267.6	255.0	0.2	1.2					31
TOTAL			29.6	38.9			14.4	40.3			8.9	37.9			9.3	35.0	
Inf. Ac. Ft.			58.7				28.6				17.7				18.4	1357.3	
Outf. Ac. Ft.			77.2				79.9				75.2				69.4	1310.6	
Maximum Mean Daily Inflow			1.2				0.5				0.3				0.4	30.5	
Minimum Mean Daily Inflow			0.8				0.4				0.2				0.2	0.2	
Storage Change			-18.4				-51.4				-57.6				-50.9	+47.0	
REMARKS																Yearly Totals	

Max. W. S. Elev. 1284.7 feet on 5-25 to 5-30-50 Storage 383.3 Acre Feet
Min. W. S. Elev. 1242.6 feet on 11-9-49 Storage 123.2 Acre Feet
Max. Peak Inf. 115. C. F. S. from 8:00 PM on 12-18-49 to 10:00 PM on 12-18-49
Max. Peak Outf. 25. C. F. S. from 3:15 PM on 12-19-49 to Midnight on 12-19-49

RECORDS COLLECTED BY
K. A. SHIPLEY — Dam Tender
T. E. MOON — Hydrographer
Hydrographer

COMPUTATIONS — Date
Gage Hts. copied GPB JHL
Storage applied GPB JHL
Inf. & Outf. computed GPB JHL
Checked 11-3-50

(Indicates average for period.
No allowances made for percolation or evaporation.
Outflows from Station F119B-R.

F. C. Dist. Form 68A Revised 300 11/44

Daily Gage Height in feet and Operation Record of BIG SANTA ANITA Dam

In ~~On~~ Santa Anita Canyon for the Year Ending September 30, 19 51

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder Au

Drainage Area 10.8 Square Miles. Capacity of Reservoir 727.6 Ac. Ft. at Spillway Elev. 1316.0 Ft. as of January 19 47 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	1258.9	202.9	0.3	1.1	1238.6	106.8	0.4	1.0	1235.0	92.7	0.7	0.5	1236.8	99.6	0.5	0.8	1
2	1258.6	201.3	0.3	1.1	1238.3	105.6	0.4	1.0	1235.1	93.1	0.7	0.5	1236.9	100.0	0.5	0.4	2
3	1258.0	197.9	0.3	1.8	1238.0	104.4	0.4	1.0	1235.2	93.5	0.7	0.5	1237.1	100.8	0.5	0.2	3
4	1257.0	192.4	0.4	3.2	1237.7	103.2	0.4	1.0	1235.3	93.8	0.7	0.5	1237.4	102.0	0.5	0	4
5	1256.0	187.0	0.4	3.2	1237.4	102.0	0.4	1.0	1235.4	94.2	0.6	0.5	1237.7	103.2	0.6	0	5
6	1254.9	181.2	0.4	3.2	1237.1	100.8	0.4	1.0	1235.4	94.2	0.6	0.5	1237.7	103.2	0.6	0.6	6
7	1253.9	176.0	0.4	3.2	1236.8	99.6	0.4	1.0	1235.4	94.2	0.6	0.6	1237.4	102.0	0.6	1.0	7
8	1252.8	170.4	0.4	3.2	1236.5	98.5	0.4	1.0	1235.3	93.8	0.6	0.8	1237.2	101.2	0.6	1.0	8
9	1251.7	164.9	0.4	3.1	1236.2	97.3	0.4	1.0	1235.2	93.5	0.6	0.8	1236.9	100.0	0.6	1.0	9
10	1250.6	159.5	0.4	3.1	1235.9	96.1	0.4	1.0	1235.3	93.8	0.6	0.5	1237.0	100.4	0.7	0.5	10
11	1249.5	154.2	0.4	3.1	1235.6	95.0	0.4	1.0	1235.6	95.0	0.6	0	1238.4	106.0	2.8	0	11
12	1248.4	149.0	0.4	3.1	1235.3	93.8	0.4	1.0	1235.9	96.1	0.6	0	1239.3	109.6	1.8	0	12
13	1247.2	143.4	0.4	3.1	1235.0	92.7	0.4	1.0	1236.1	96.9	0.6	0.4	1239.9	112.0	1.3	0	13
14	1246.0	138.0	0.4	3.1	1234.7	91.6	0.4	1.0	1235.9	96.1	0.6	0.8	1240.3	113.6	0.8	0	14
15	1244.9	133.2	0.4	3.1	1234.4	90.4	0.5	1.0	1235.8	95.7	0.6	0.8	1240.7	115.3	0.8	0	15
16	1243.7	127.9	0.4	3.1	1234.2	89.7	0.4	1.0	1235.7	95.4	0.6	0.8	1241.1	116.9	0.8	0	16
17	1243.0	124.9	0.4	2.2	1234.0	88.9	0.5	0.8	1235.7	95.4	0.6	0.5	1241.5	118.6	0.9	0	17
18	1242.7	123.6	0.4	1.0	1234.0	88.9	0.5	0.5	1236.0	96.5	0.6	0	1242.0	120.7	1.0	0	18
19	1242.5	122.8	0.4	1.0	1234.2	89.7	0.8	0.5	1236.4	98.1	0.6	0	1243.7	127.9	3.7	0	19
20	1242.2	121.5	0.4	1.0	1234.2	89.7	0.6	0.5	1236.7	99.2	0.6	0	1244.5	131.4	1.7	0	20
21	1241.9	120.3	0.5	1.0	1234.2	89.7	0.5	0.5	1236.7	99.2	0.6	0.5	1245.1	134.0	1.3	0	21
22	1241.6	119.0	0.5	1.0	1234.2	89.7	0.5	0.5	1236.5	98.5	0.6	0.8	1245.6	136.2	1.2	0	22
23	1241.4	118.2	0.5	1.0	1234.3	90.0	0.5	0.5	1236.4	98.1	0.6	0.8	1246.1	138.5	1.1	0	23
24	1241.0	116.5	0.5	1.0	1234.3	90.0	0.6	0.5	1236.2	97.3	0.6	0.8	1246.5	140.3	0.9	0	24
25	1240.7	115.3	0.5	1.0	1234.4	90.4	0.7	0.5	1236.4	98.1	0.5	0.4	1246.5	140.3	0.8	0.8	25
26	1240.5	114.5	0.5	1.0	1234.5	90.8	0.7	0.5	1236.6	98.8	0.5	0	1246.3	139.4	0.6	1.1	26
27	1240.2	113.2	0.5	1.0	1234.6	91.2	0.7	0.5	1236.9	100.0	0.5	0	1246.0	138.0	0.6	1.1	27
28	1239.9	112.0	0.4	1.0	1234.7	91.6	0.7	0.5	1237.2	101.2	0.5	0	1245.9	137.6	0.8	1.1	28
29	1239.6	110.8	0.4	1.0	1234.8	91.9	0.7	0.5	1237.3	101.6	0.5	0.5	1247.0	142.5	3.0	0.6	29
30	1239.3	109.6	0.4	1.0	1234.9	92.3	0.7	0.5	1237.1	100.8	0.5	0.8	1248.0	147.1	2.3	0	30
31	1239.0	108.4	0.4	1.0					1236.9	100.0	0.5	0.8	1248.7	150.4	1.7	0	31
TOTAL			12.8	61.0			15.2	23.3			18.3	14.4			35.6	10.2	
Inf. Ac. Ft.			25.4				30.1				36.3				70.6	162.4	
Outf. Ac. Ft.			121.0				46.2				28.3				20.2	216.0	
Maximum Mean Daily Inflow			0.5				0.8				0.7				3.7	3.7	
Minimum Mean Daily Inflow			0.3				0.4				0.5				0.5	0.3	
Storage Change		-95.7				-16.1				+7.7				+50.4		-53.7	
					NOTE: Gage Heights and Storages as of Midnight on Day Shown											½ Year	

Max. W. S. Elev. 1267.8 feet on 5-23-30-51 Storage 256.3 Acre Feet
Min. W. S. Elev. 1234.0 feet on 11-17-18-50 Storage 88.9 Acre Feet
Max. Peak Inf. 9.7 C. F. S. from 4:20 PM on 1-11-51 to 6:20 PM on 1-11-51
Max. Peak Outf. 56.4 C. F. S. from 2:30 PM on 4-24-51 to 3:00 PM on 4-24-51

RECORDS COLLECTED BY
K. A. SHIPLEY — Dam Tender
T. E. MOON — Hydrographer
Hydrographer

COMPUTATIONS — ckd. — Date
Gage Hts. copied GPB ENS
Storage applied GPB ENS
Inf. & Outf. comp. GPB ENS

REMARKS (Indicates average for period.
Outflow from Station F119B-R.

APK 11-16-51

BIG SANTA ANITA (cont'd.)

F. C. Dist. Form 68B Revised 500 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of BIG SANTA ANITA Dam

In Santa Anita Canyon for the Year Ending September 30, 1951

Continuous Water Stage Recorder Au

Drainage Area 10.8 Square Miles. Capacity of Reservoir 727.6 Ac. Ft. at Spillway Elev. 1316.0 Ft. as of January 1947 Survey Gage Heights Read Daily

Day	FEBRUARY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	MARCH Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	APRIL Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	MAY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Day
1	1249.3	153.2	1.4	0	1254.5	179.1	2.1	0	1261.1	215.5	0.9	0.6	1265.5	241.8	2.2	0.6	1
2	1249.8	155.6	1.2	0	1255.2	182.8	1.8	0	1261.2	216.1	0.9	0.6	1265.8	243.7	1.5	0.6	2
3	1250.3	158.0	1.1	0	1255.8	185.9	1.6	0	1261.3	216.6	0.9	0.6	1266.1	245.5	1.5	0.6	3
4	1250.7	160.0	1.0	0	1256.3	188.6	1.4	0	1261.4	217.2	0.9	0.6	1266.3	246.8	1.3	0.6	4
5	1251.1	161.9	1.0	0	1256.8	191.3	1.4	0	1261.5	217.8	1.0	0.6	1266.4	247.4	1.1	0.6	5
6	1251.4	163.4	0.9	0	1257.3	194.1	1.3	0	1261.7	219.0	1.0	0.6	1266.6	248.7	1.0	0.6	6
7	1251.8	165.4	0.9	0	1257.8	196.8	1.3	0	1261.8	219.5	0.9	0.6	1266.7	249.3	1.0	0.6	7
8	1251.8	165.4	0.8	0.7	1258.1	198.5	1.3	0.2	1261.9	220.1	0.9	0.6	1266.8	249.9	0.9	0.6	8
9	1251.7	164.9	0.8	1.1	1258.4	200.1	1.3	0.6	1262.0	220.7	0.9	0.6	1266.9	250.6	0.9	0.6	9
10	1251.5	163.9	0.7	1.1	1258.6	201.3	1.2	0.6	1262.1	221.3	0.8	0.6	1267.0	251.2	0.9	0.6	10
11	1251.4	163.4	0.8	1.1	1258.8	202.4	1.2	0.6	1262.1	221.3	0.8	0.6	1267.1	251.8	0.9	0.6	11
12	1251.3	162.9	0.8	1.1	1259.0	203.5	1.1	0.6	1262.2	221.9	0.8	0.6	1267.2	252.5	0.9	0.6	12
13	1251.1	161.9	0.8	1.1	1259.3	205.2	1.1	0.3	1262.2	221.9	0.8	0.6	1267.3	253.1	0.9	0.6	13
14	1251.0	161.4	0.8	1.1	1259.6	206.9	1.0	0.3	1262.3	222.5	0.7	0.6	1267.4	253.8	0.9	0.6	14
15	1250.9	160.9	0.8	1.1	1259.7	207.4	1.0	0.6	1262.3	222.5	0.7	0.6	1267.5	254.4	0.9	0.6	15
16	1250.8	160.4	0.8	1.1	1259.8	208.0	0.9	0.6	1262.4	223.1	0.7	0.6	1267.5	254.4	0.8	0.6	16
17	1250.6	159.5	0.7	1.1	1259.9	208.5	0.9	0.6	1262.4	223.1	0.7	0.6	1267.6	255.0	0.8	0.6	17
18	1250.5	159.0	0.7	1.1	1260.0	209.1	0.9	0.6	1262.4	223.1	0.7	0.6	1267.7	255.7	0.8	0.6	18
19	1250.3	158.0	0.7	1.1	1260.1	209.7	0.9	0.6	1262.5	223.7	0.7	0.6	1267.7	255.7	0.7	0.6	19
20	1250.2	157.6	0.8	1.1	1260.2	210.3	0.9	0.6	1262.5	223.7	0.7	0.6	1267.7	255.7	0.7	0.6	20
21	1250.2	157.6	0.8	0.8	1260.3	210.8	0.9	0.6	1262.5	223.7	0.7	0.6	1267.7	255.7	0.6	0.6	21
22	1250.7	160.0	1.2	0	1260.4	211.4	0.9	0.6	1262.6	224.2	0.7	0.6	1267.8	256.3	0.6	0.6	22
23	1251.1	161.9	1.0	0	1260.5	212.0	0.9	0.6	1262.6	224.2	0.7	0.6	1267.8	256.3	0.6	0.6	23
24	1251.5	163.9	1.0	0	1260.6	212.6	0.9	0.6	1261.3	216.6	0.7	4.5	1267.8	256.3	0.6	0.6	24
25	1251.9	165.9	1.0	0	1260.7	213.2	0.9	0.6	1261.8	219.5	2.0	0.6	1267.8	256.3	0.6	0.6	25
26	1252.4	168.4	1.3	0	1260.7	213.2	0.8	0.6	1262.1	221.3	1.5	0.6	1267.8	256.3	0.6	0.6	26
27	1253.1	171.9	1.7	0	1260.8	213.7	0.8	0.6	1262.3	222.5	1.2	0.6	1267.8	256.3	0.6	0.6	27
28	1253.7	175.0	1.6	0	1260.8	213.7	0.7	0.6	1263.1	227.2	3.0	0.6	1267.8	256.3	0.6	0.6	28
29					1260.9	214.3	0.7	0.6	1264.4	235.0	4.5	0.6	1267.8	256.3	0.6	0.6	29
30					1261.0	214.9	0.7	0.6	1265.0	238.7	2.5	0.6	1267.8	256.3	0.6	0.6	30
31					1261.0	214.9	0.7	0.6					1267.7	255.7	0.6	0.6	31
TOTAL			27.1	14.7			33.5	13.4			33.9	21.9			27.2	18.6	
Inf. Ac. Ft.			53.8				66.4				67.2				54.0	403.8	
Outf. Ac. Ft.			29.2				26.6				43.4				36.9	352.1	
Maximum Mean Daily Inflow			1.7				2.1				4.5				2.2	4.5	
Minimum Mean Daily Inflow			0.7				0.7				0.7				0.6	0.3	
Storage Change			+24.6				+39.9				+23.8				+17.0	+51.6	

NOTE: Gage Heights and Storages as of Midnight on Day Shown — % Year

Max. W. S. Elev.	1267.8	feet on	5-23-30-51	Storage	256.3	Acre Feet		
Min. W. S. Elev.	1234.0	feet on	11-17-18-50	Storage	88.9	Acre Feet		
Max. Peak Inf.	9.7	C. F. S. from	4:20 PM on 1-11-51	to	6:20 PM	on 1-11-51		
Max. Peak Outf.	56.4	C. F. S. from	2:30 PM on 4-24-51	to	3:00 PM	on 4-24-51		

RECORDS COLLECTED BY

K. A. SHIPLEY	Dam Tender
T. E. MOON	Hydrographer
	Hydrographer

COMPUTATIONS	ckd.	Date
Gage Hts. copied	GPB ENS	
Storage applied	GPB ENS	
Inf. & Outf. comp.	GPB ENS	

REMARKS { Indicates average for period.
Outflow from Station F119B-R.

F. C. Dist. Form 68C Revised 500 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of BIG SANTA ANITA Dam

In Santa Anita Canyon for the Year Ending September 30, 1951

Continuous Water Stage Recorder Au

Drainage Area 10.8 Square Miles. Capacity of Reservoir 727.6 Ac. Ft. at Spillway Elev. 1316.0 Ft. as of January 1947 Survey Gage Heights Read Daily

Day	JUNE Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	JULY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	AUGUST Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	SEPTEMBER Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Day
1	1267.7	255.7	0.5	0.6	1266.1	245.5	0.4	0.6	1262.4	223.1	0.2	0.6	1257.2	193.5	0.1	0.6	1
2	1267.6	255.0	0.5	0.6	1266.0	244.9	0.4	0.6	1262.2	221.9	0.2	0.6	1257.1	193.0	0.1	0.6	2
3	1267.6	255.0	0.5	0.6	1266.0	244.9	0.3	0.6	1262.1	221.3	0.2	0.6	1256.9	191.9	0.1	0.6	3
4	1267.6	255.0	0.5	0.6	1265.9	244.3	0.3	0.6	1261.9	220.1	0.2	0.6	1256.8	191.3	0.1	0.4	4
5	1267.5	254.4	0.5	0.6	1265.8	243.7	0.3	0.6	1261.7	219.0	0.2	0.6	1256.8	191.3	0.2	0.2	5
6	1267.5	254.4	0.5	0.6	1265.8	243.7	0.3	0.6	1261.6	218.4	0.2	0.6	1256.6	190.2	0.1	0.6	6
7	1267.4	253.8	0.5	0.6	1265.7	243.0	0.3	0.6	1261.4	217.2	0.1	0.6	1256.4	189.2	0.1	0.6	7
8	1267.4	253.8	0.4	0.6	1265.6	242.4	0.3	0.6	1261.3	216.6	0.1	0.6	1256.2	188.1	0.1	0.6	8
9	1267.3	253.1	0.4	0.6	1265.5	241.8	0.3	0.6	1261.1	215.5	0.1	0.6	1256.1	187.5	0.1	0.6	9
10	1267.3	253.1	0.4	0.6	1265.4	241.2	0.3	0.6	1260.9	214.3	0.1	0.6	1255.9	186.5	0.1	0.6	10
11	1267.2	252.5	0.4	0.6	1265.3	240.6	0.3	0.6	1260.8	213.7	0.1	0.6	1255.7	185.4	0.1	0.6	11
12	1267.2	252.5	0.5	0.6	1265.2	239.9	0.3	0.6	1260.6	212.6	0.1	0.6	1255.5	184.4	0.1	0.6	12
13	1267.2	252.5	0.5	0.6	1265.1	239.3	0.3	0.6	1260.5	212.0	0.1	0.6	1255.3	183.3	0.1	0.6	13
14	1267.1	251.8	0.4	0.6	1265.0	238.7	0.3	0.6	1260.3	210.8	0.1	0.6	1255.1	182.2	0.1	0.6	14
15	1267.1	251.8	0.4	0.6	1264.9	238.1	0.3	0.6	1260.2	210.3	0.1	0.6	1255.0	181.7	0.1	0.6	15
16	1267.0	251.2	0.5	0.6	1264.8	237.5	0.3	0.6	1260.0	209.1	0.1	0.6	1254.8	180.7	0.1	0.6	16
17	1267.0	251.2	0.5	0.6	1264.7	236.9	0.3	0.6	1259.8	208.0	0.1	0.6	1254.6	179.6	0.1	0.6	17
18	1267.0	251.2	0.4	0.6	1264.5	235.7	0.2	0.6	1259.7	207.4	0.1	0.6	1254.4	178.6	0.1	0.6	18
19	1266.9	250.6	0.4	0.6	1264.4	235.0	0.2	0.6	1259.5	206.3	0.1	0.6	1254.2	177.5	0.1	0.6	19
20	1266.8	249.9	0.4	0.6	1264.3	234.4	0.2	0.6	1259.3	205.2	0.1	0.6	1254.1	177.0	0.2	0.6	20
21	1266.8	249.9	0.4	0.6	1264.2	233.8	0.2	0.6	1259.1	204.1	0.1	0.6	1253.9	176.0	0.2	0.6	21
22	1266.7	249.3	0.4	0.6	1264.0	232.6	0.2	0.6	1259.0	203.5	0.1	0.6	1253.7	175.0	0.2	0.6	22
23	1266.7	249.3	0.4	0.6	1263.9	232.0	0.2	0.6	1258.8	202.4	0.1	0.6	1253.5	174.0	0.1	0.6	23
24	1266.6	248.7	0.4	0.6	1263.5	229.6	0.2	1.2	1258.7	201.8	0.1	0.6	1253.3	172.9	0.1	0.6	24
25	1266.6	248.7	0.5	0.6	1263.3	228.4	0.2	0.6	1258.5	200.7	0.1	0.6	1253.1	171.9	0.1	0.6	25
26	1266.5	248.1	0.4	0.6	1263.2	227.8	0.2	0.6	1258.3	199.6	0.1	0.6	1252.9	170.9	0.1	0.6	26
27	1266.4	247.4	0.4	0.6	1263.0	226.6	0.2	0.6	1258.1	198.5	0.1	0.6	1252.7	169.9	0.1	0.6	27
28	1266.4	247.4	0.4	0.6	1262.9	226.0	0.2	0.6	1257.9	197.4	0.1	0.6	1252.5	168.9	0.1	0.6	28
29	1266.3	246.8	0.4	0.6	1262.8	225.4	0.2	0.6	1257.8	196.8	0.1	0.6	1252.3	167.9	0.1	0.6	29
30	1266.2	246.2	0.4	0.6	1262.7	224.8	0.2	0.6	1257.6	195.7	0.1	0.6	1252.1	166.9	0.1	0.6	30
31					1262.6	224.2	0.2	0.6	1257.4	194.6	0.1	0.6					31
TOTAL			13.2	18.0			8.1	19.2			3.7	18.6			3.4	17.4	
Inf. Ac. Ft.			26.2				16.1				7.3				6.7	460.1	
Outf. Ac. Ft.			35.7				38.1				36.9				34.5	497.3	
Maximum Mean Daily Inflow			0.5				0.4				0.2				0.2	4.5	
Minimum Mean Daily Inflow			0.4				0.2				0.1				0.1	0.1	
Storage Change			-9.5				-22.0				-29.6				-27.7	-37.2	

NOTE: Gage Heights and Storages as of Midnight on Day Shown — Yearly Totals

Max. W. S. Elev.	1267.8	feet on	5-23-30-51	Storage	256.3	Acre Feet		
Min. W. S. Elev.	1234.0	feet on	11-17-18-50	Storage	88.9	Acre Feet		
Max. Peak Inf.	9.7	C. F. S. from	4:20 PM on 1-11-51	to	6:20 PM	on 1-11-51		
Max. Peak Outf.	56.4	C. F. S. from	2:30 PM on 4-24-51	to	3:00 PM	on 4-24-51		

RECORDS COLLECTED BY

K. A. SHIPLEY	Dam Tender
T. E. MOON	Hydrographer
	Hydrographer

COMPUTATIONS	ckd.	Date
Gage Hts. copied	WLT	10-17-51
Storage applied	WLT	
Inf. & Outf. comp.	WLT	
	APK	11-16-51

REMARKS { Indicates average for period.
Outflow from Station F119B-R.

F. C. Dist. Form 68A Revised 500 11/44

Daily Gage Height in feet and Operation Record of SAWPIT

~~On~~ In Sawpit Canyon for the Year Ending September 30, 1950

FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder Au

Drainage Area 3.3 Square Miles. Capacity of Reservoir 321.8 Ac. Ft. at Spillway Elev. 1360.0 Ft. as of December, 1943 Survey Gage Heights Read Daily

Day	OCTOBER Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	NOVEMBER Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	DECEMBER Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	JANUARY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Day
1	1307.4	56.3	0	0	1307.0	55.3	0	0	1307.0	55.3	0	0	1310.0	62.7	0.2	0.2	1
2	1307.4	56.3	0	0	1307.0	55.3	0	0	1307.0	55.3	0	0	1310.0	62.7	0.2	0.2	2
3	1307.4	56.3	0	0	1307.0	55.3	0	0	1307.0	55.3	0	0	1310.0	62.7	0.2	0.2	3
4	1307.4	56.3	0	0	1306.9	55.1	0	0	1307.0	55.3	0	0	1310.0	62.7	0.2	0.2	4
5	1307.4	56.3	0	0	1306.9	55.1	0	0	1306.9	55.1	0	0	1310.0	62.7	0.2	0.2	5
6	1307.4	56.3	0	0	1306.8	54.8	0	0	1306.9	55.1	0	0	1310.0	62.7	0.2	0.2	6
7	1307.3	56.0	0	0	1306.8	54.8	0	0	1306.9	55.1	0	0	1310.0	62.7	0.2	0.2	7
8	1307.3	56.0	0	0	1306.8	54.8	0	0	1307.0	55.3	0.1	0	1310.0	62.7	0.2	0.2	8
9	1307.3	56.0	0	0	1306.9	55.1	0.2	0	1307.0	55.3	0	0	1310.0	62.7	0.3	0.3	9
10	1307.3	56.0	0	0	1307.2	55.8	0.3	0	1307.0	55.3	0	0	1310.0	62.7	0.2	0.2	10
11	1307.3	56.0	0	0	1307.2	55.8	0	0	1307.0	55.3	0	0	1310.0	62.7	0.3	0.3	11
12	1307.3	56.0	0	0	1307.2	55.8	0	0	1307.0	55.3	0	0	1310.0	62.7	0.2	0.2	12
13	1307.2	55.8	0	0	1307.2	55.8	0	0	1307.0	55.3	0	0	1310.0	62.7	0.2	0.2	13
14	1307.2	55.8	0	0	1307.2	55.8	0	0	1307.0	55.3	0	0	1310.0	62.7	0.3	0.3	14
15	1307.2	55.8	0	0	1307.2	55.8	0	0	1307.0	55.3	0	0	1310.0	62.7	0.3	0.3	15
16	1307.2	55.8	0	0	1307.1	55.5	0	0	1307.0	55.3	0	0	1310.0	62.7	0.3	0.3	16
17	1307.2	55.8	0	0	1307.1	55.5	0	0	1307.0	55.3	0	0	1310.0	62.7	0.3	0.3	17
18	1307.2	55.8	0	0	1307.1	55.5	0	0	1308.6	59.2	2.0	0	1310.0	62.7	0.3	0.2	18
19	1307.2	55.8	0	0	1307.1	55.5	0	0	1310.0	62.7	2.1	0.3	1310.0	62.7	0.3	0.2	19
20	1307.2	55.8	0	0	1307.1	55.5	0	0	1310.0	62.7	0.7	0.7	1310.0	62.7	0.2	0.2	20
21	1307.1	55.5	0	0	1307.1	55.5	0	0	1310.0	62.7	0.6	0.6	1310.0	62.7	0.2	0.2	21
22	1307.1	55.5	0	0	1307.0	55.3	0	0	1310.0	62.7	0.5	0.5	1310.0	62.7	0.2	0.2	22
23	1307.1	55.5	0	0	1307.0	55.3	0	0	1310.0	62.7	0.4	0.4	1310.0	62.7	0.2	0.2	23
24	1307.1	55.5	0	0	1307.0	55.3	0	0	1310.0	62.7	0.4	0.4	1310.0	62.7	0.2	0.2	24
25	1307.1	55.5	0	0	1307.0	55.3	0	0	1310.0	62.7	0.4	0.4	1310.0	62.7	0.2	0.2	25
26	1307.1	55.5	0	0	1307.0	55.3	0	0	1310.0	62.7	0.3	0.3	1310.0	62.7	0.2	0.2	26
27	1307.1	55.5	0	0	1307.0	55.3	0	0	1310.0	62.7	0.3	0.3	1310.0	62.7	0.2	0.2	27
28	1307.1	55.5	0	0	1307.0	55.3	0	0	1310.0	62.7	0.3	0.3	1310.0	62.7	0.3	0.3	28
29	1307.1	55.5	0	0	1307.0	55.3	0	0	1310.0	62.7	0.3	0.3	1310.0	62.7	0.2	0.2	29
30	1307.0	55.3	0	0	1307.0	55.3	0	0	1310.0	62.7	0.2	0.2	1310.0	62.7	0.2	0.2	30
31	1307.0	55.3	0	0					1310.0	62.7	0.2	0.2	1310.0	62.7	0.2	0.2	31

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		½ Year
TOTAL	0	0	0.5	0	8.8	4.9	7.1	6.9	
Inf. Ac. Ft.	0		1.0		17.5		14.1		32.6
Outf. Ac. Ft.	0 + (1.2)		0 + (1.0)		9.7 + (0.4)		13.7 + (0.4)		23.4+(3.0)
Maximum Mean Daily Inflow	0		0.3		2.1		0.3		2.1
Minimum Mean Daily Inflow	0		0		0		0.2		0
Storage Change	-1.2		0		+7.4		0		+6.2

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1310.1	feet	on 2-6,7,8,8-50 4-7-50	Storage	63.0	Acre Feet		
Min. W. S. Elev.	1306.8	feet	on 11-6,7,8-49	Storage	54.8	Acre Feet		
Max. Peak Inf.	7.9	C. F. S. from	8:00 PM	on 12-18-49	to	10:00 PM	on	12-18-49
Max. Peak Outf.	2.6	C. F. S. from	Midnight	on 6-30-50	to	8:00 AM	on	7-1-50

RECORDS COLLECTED BY: F. D. KELLY, Dam Tender; T. E. MOON, Hydrographer; Hydrographer

COMPUTATIONS		ckd.	Date
Gage Hts. copied	JHL	APK	4-25-50
Storage applied	JHL	APK	
Inf. & Outf. comp.	JHL	APK	

REMARKS ( ) Indicates evaporation loss.

F. C. Dist. Form 68B Revised 500 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAWPIT Dam

~~On~~ In Sawpit Canyon for the Year Ending September 30, 19 50

Continuous Water Stage Recorder Au

Drainage Area 3.3 Square Miles. Capacity of Reservoir 321.8 Ac. Ft. at Spillway Elev. 1360.0 Ft. as of December, 1943 Survey Gage Heights Read Daily

Day	FEBRUARY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	MARCH Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	APRIL Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	MAY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Day
1	1310.0	62.7	0.2	0.2	1310.0	62.7	0.2	0.2	1310.0	62.7	0.2	0.2	1309.9	62.5	0.1	0.1	1
2	1310.0	62.7	0.2	0.2	1310.0	62.7	0.2	0.2	1310.0	62.7	0.2	0.2	1309.9	62.5	0.1	0.1	2
3	1310.0	62.7	0.2	0.2	1310.0	62.7	0.2	0.2	1310.0	62.7	0.2	0.2	1309.9	62.5	0.1	0.1	3
4	1310.0	62.7	0.2	0.2	1310.0	62.7	0.2	0.2	1310.0	62.7	0.2	0.2	1309.9	62.5	0.1	0.1	4
5	1310.0	62.7	0.2	0.2	1310.0	62.7	0.2	0.2	1310.0	62.7	0.2	0.2	1309.9	62.5	0.1	0.09	5
6	1310.1	63.0	0.9	0.7	1310.0	62.7	0.2	0.2	1310.0	62.7	0.2	0.2	1309.9	62.5	0.1	0.09	6
7	1310.1	63.0	1.2	1.2	1310.0	62.7	0.2	0.2	1310.0	62.7	0.2	0.2	1309.9	62.5	0.1	0.09	7
8	1310.1	63.0	0.9	0.9	1310.0	62.7	0.2	0.1	1310.1	63.0	0.7	0.5	1309.9	62.5	0.1	0.08	8
9	1310.0	63.0	0.2	0.4	1310.0	62.7	0.2	0.1	1310.0	62.7	0.9	1.1	1309.9	62.5	0.1	0.08	9
10	1310.0	62.7	0.5	0.5	1310.0	62.7	0.2	0.1	1310.0	62.7	0.4	0.4	1309.9	62.5	0.1	0.08	10
11	1310.0	62.7	0.4	0.4	1310.0	62.7	0.1	0.1	1310.0	62.7	0.3	0.3	1309.9	62.5	0.1	0.07	11
12	1310.0	62.7	0.4	0.4	1310.0	62.7	0.1	0.1	1310.0	62.7	0.3	0.3	1309.9	62.5	0.1	0.07	12
13	1310.0	62.7	0.4	0.4	1310.0	62.7	0.1	0.1	1310.0	62.7	0.3	0.3	1309.9	62.5	0.1	0.07	13
14	1310.0	62.7	0.3	0.3	1310.0	62.7	0.1	0.1	1310.0	62.7	0.3	0.3	1309.9	62.5	0.1	0.06	14
15	1310.0	62.7	0.3	0.3	1310.0	62.7	0.1	0.1	1310.0	62.7	0.3	0.2	1309.9	62.5	0.05	0.06	15
16	1310.0	62.7	0.3	0.3	1310.0	62.7	0.1	0.1	1310.0	62.7	0.3	0.2	1309.9	62.5	0.05	0.06	16
17	1310.0	62.7	0.3	0.3	1310.0	62.7	0.1	0.1	1310.0	62.7	0.3	0.2	1309.9	62.5	0.05	0.05	17
18	1310.0	62.7	0.3	0.3	1310.0	62.7	0.1	0.1	1310.0	62.7	0.3	0.2	1309.9	62.5	0.05	0.05	18
19	1310.0	62.7	0.3	0.3	1310.0	62.7	0.1	0.1	1310.0	62.7	0.2	0.2	1309.9	62.5	0.05	0.05	19
20	1310.0	62.7	0.3	0.3	1310.0	62.7	0.1	0.1	1310.0	62.7	0.2	0.2	1309.9	62.5	0.05	0.05	20
21	1310.0	62.7	0.3	0.2	1310.0	62.7	0.1	0.1	1310.0	62.7	0.2	0.2	1309.9	62.5	0.05	0.05	21
22	1310.0	62.7	0.3	0.2	1310.0	62.7	0.1	0.1	1310.0	62.7	0.2	0.2	1309.9	62.5	0.05	0.05	22
23	1310.0	62.7	0.3	0.2	1310.0	62.7	0.1	0.1	1310.0	62.7	0.2	0.2	1309.9	62.5	0.05	0.05	23
24	1310.0	62.7	0.2	0.2	1310.0	62.7	0.3	0.3	1310.0	62.7	0.2	0.2	1309.9	62.5	0.05	0.05	24
25	1310.0	62.7	0.2	0.2	1310.0	62.7	0.5	0.5	1310.0	62.7	0.2	0.2	1309.9	62.5	0.05	0.05	25
26	1310.0	62.7	0.2	0.2	1310.0	62.7	0.4	0.4	1310.0	62.7	0.2	0.2	1309.9	62.5	0.05	0.05	26
27	1310.0	62.7	0.2	0.2	1310.0	62.7	0.3	0.3	1310.0	62.7	0.2	0.2	1309.9	62.5	0.05	0.05	27
28	1310.0	62.7	0.2	0.2	1310.0	62.7	0.2	0.2	1310.0	62.7	0.2	0.2	1309.9	62.5	0.05	0.05	28
29					1310.0	62.7	0.2	0.2	1310.0	62.7	0.2	0.2	1309.9	62.5	0.05	0.05	29
30					1310.0	62.7	0.2	0.2	1310.0	62.7	0.2	0.2	1309.9	62.5	0.05	0.05	30
31					1310.0	62.7	0.2	0.2					1309.9	62.5	0.05	0.05	31

	FEBRUARY		MARCH		APRIL		MAY		½ Year
TOTAL	9.9	9.6	5.6	5.3	8.2	7.8	2.25	2.05	
Inf. Ac. Ft.	19.6		11.1		16.3		4.5		84.1
Outf. Ac. Ft.	19.0 + (0.6)		10.5 + (0.6)		15.5 + (0.8)		4.1 + (0.6)		72.5 + (5.6)
Maximum Mean Daily Inflow	1.2		0.5		0.9		0.1		2.1
Minimum Mean Daily Inflow	0.2		0.1		0.2		0.05		0
Storage Change	0		0		0		-0.2		+6.0

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1310.1	feet	on 2-6-8-50 - 4-7-50	Storage	63.0	Acre Feet		
Min. W. S. Elev.	1306.8	feet	on 11-6 - 11-8-49	Storage	54.8	Acre Feet		
Max. Peak Inf.	7.9	C. F. S. from	8:00 PM	on 12-18-49	to	10:00 PM	on	12-18-49
Max. Peak Outf.	2.6	C. F. S. from	Midnight	on 6-30-50	to	8:00 AM	on	7-1-50

RECORDS COLLECTED BY: F. D. KELLY, Dam Tender; T. E. MOON, Hydrographer; Hydrographer

COMPUTATIONS		ckd.	Date
Gage Hts. copied	JHL	GPB	
Storage applied	JHL	GPB	
Inf. & Outf. comp.	JHL	GPB	

REMARKS ( ) Indicates evaporation loss.

SAWPIT (cont'd.)

F. C. Dist. Form 68C Revised 500 11/44

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, 1950

Continuous Water Stage Recorder Au

Drainage Area 3.3 Square Miles. Capacity of Reservoir 321.8 Ac. Ft. at Spillway Elev. 1360.0 Ft. as of December 1943 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	1309.9	625	0.05	0.01	1308.4	587	0.01	1.2	1308.0	577	0	0	1307.5	565	0	0	1
2	1309.9	625	0.05	0.01	1308.3	585	0.01	0.1	1308.0	577	0	0	1307.5	565	0	0	2
3	1309.9	625	0.04	0.01	1308.3	585	0.01	0	1308.0	577	0	0	1307.4	563	0	0	3
4	1309.9	625	0.04	0.01	1308.3	585	0.01	0	1308.0	577	0	0	1307.4	563	0	0	4
5	1309.9	625	0.04	0.01	1308.3	585	0.01	0	1307.9	575	0	0	1307.4	563	0	0	5
6	1309.9	625	0.03	0.01	1308.3	585	0.01	0	1307.9	575	0	0	1307.4	563	0	0	6
7	1309.9	625	0.03	0.01	1308.3	585	0.01	0	1307.9	575	0	0	1307.4	563	0	0	7
8	1309.9	625	0.03	0.01	1308.3	585	0.01	0	1307.9	575	0	0	1307.4	563	0	0	8
9	1309.9	625	0.02	0.01	1308.3	585	0.01	0	1307.9	575	0	0	1307.4	563	0	0	9
10	1309.9	625	0.02	0.01	1308.3	585	0.01	0	1307.8	572	0	0	1307.3	560	0	0	10
11	1309.9	625	0.02		1308.3	585	0.01	0	1307.8	572	0	0	1307.3	560	0	0	11
12	1309.9	625	0.01		1308.3	585	0.01	0	1307.8	572	0	0	1307.3	560	0	0	12
13	1309.9	625	0.01		1308.3	585	0.01	0	1307.8	572	0	0	1307.3	560	0	0	13
14	1309.9	625	0.01		1308.3	585	0.01	0	1307.8	572	0	0	1307.3	560	0	0	14
15	1309.9	625	0.01		1308.3	585	0.01	0	1307.7	570	0	0	1307.3	560	0	0	15
16	1309.9	625	0.01		1308.3	585	0.01	0	1307.7	570	0	0	1307.3	560	0	0	16
17	1309.9	625	0.01		1308.3	585	0.01	0	1307.7	570	0	0	1307.3	560	0	0	17
18	1309.9	625	0.01		1308.3	585	0.01	0	1307.7	570	0	0	1307.3	560	0	0	18
19	1309.9	625	0.01		1308.3	585	0.01	0	1307.7	570	0	0	1307.2	558	0	0	19
20	1309.9	625	0.01		1308.3	585	0.01	0	1307.6	567	0	0	1307.2	558	0	0	20
21	1309.9	625	0.01		1308.2	582	0.01	0	1307.6	567	0	0	1307.2	558	0	0	21
22	1309.9	625	0.01		1308.2	582	0.01	0	1307.6	567	0	0	1307.2	558	0	0	22
23	1309.9	625	0.01		1308.2	582	0.01	0	1307.6	567	0	0	1307.2	558	0	0	23
24	1309.9	625	0.01		1308.2	582	0.01	0	1307.6	567	0	0	1307.1	555	0	0	24
25	1309.9	625	0.01		1308.2	582	0	0	1307.6	567	0	0	1307.1	555	0	0	25
26	1309.9	625	0.01		1308.1	580	0	0	1307.5	565	0	0	1307.1	555	0	0	26
27	1309.9	625	0.01		1308.1	580	0	0	1307.5	565	0	0	1307.1	555	0	0	27
28	1309.9	625	0.01		1308.1	580	0	0	1307.5	565	0	0	1307.1	555	0	0	28
29	1309.9	625	0.01		1308.1	580	0	0	1307.5	565	0	0	1307.1	555	0	0	29
30	1309.3	610	0.01	0.8	1308.1	580	0	0	1307.5	565	0	0	1307.1	555	0	0	30
31					1308.0	577	0	0	1307.5	565	0	0					31
TOTAL			0.56	0.9			0.24	1.3			0	0			0	0	
Inf. Ac. Ft.			1.1				0.5				0			0			85.7
Outf. Ac. Ft.			1.8	+ (0.8)			2.6	+ (1.2)			0	+ (1.2)		0	+ (1.0)		76.9 + (9.8)
Maximum Mean Daily Inflow			0.05				0.01				0			0			2.1
Minimum Mean Daily Inflow			0.01				0				0			0			0
Storage Change			-1.5				-3.3				-1.2			-1.0			-1.0

NOTE: Gage Heights and Storages as of Midnight on Day Shown — Yearly Totals

Max. W. S. Elev.	1310.1	feet	on 2-6-8-50 -4-7-50	Storage	63.0	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1306.8	feet	on 11-6 - 11-8-49	Storage	54.8	Acre Feet	F. D. KELLY	Dam Tender	Gage Hts. copied	GPB JHL	
Max. Peak Inf.	7.9	C. F. S. from 8:00 PM	on 12-18-49	to 10:00 PM	on 12-18-49		T. E. MOON	Hydrographer	Storage applied	GPB JHL	
Max. Peak Outf.	2.6	C. F. S. from Midnight	on 6-30-50	to 8:00 AM	on 7-1-50			Hydrographer	Inf. & Outf. comp.	GPB JHL	11-6-50

REMARKS ( ) Indicates evaporation loss.

F. C. Dist. Form 68A Revised 500 11/44

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, 1951

Continuous Water Stage Recorder Au

Drainage Area 3.3 Square Miles. Capacity of Reservoir 321.8 Ac. Ft. at Spillway Elev. 1360.0 Ft. as of December 1943 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	1307.1	555	0	0	1306.7	546	0	0	1306.7	546	0	0	1306.4	539	0	0	1
2	1307.0	553	0	0	1306.7	546	0	0	1306.7	546	0	0	1306.4	539	0	0	2
3	1307.0	553	0	0	1306.7	546	0	0	1306.7	546	0	0	1306.4	539	0	0	3
4	1307.0	553	0	0	1306.7	546	0	0	1306.7	546	0	0	1306.4	539	0	0	4
5	1307.0	553	0	0	1306.7	546	0	0	1306.6	543	0	0	1306.4	539	0	0	5
6	1307.0	553	0	0	1306.6	543	0	0	1306.6	543	0	0	1306.4	539	0	0	6
7	1307.0	553	0	0	1306.6	543	0	0	1306.6	543	0	0	1306.3	536	0	0	7
8	1307.0	553	0	0	1306.6	543	0	0	1306.6	543	0	0	1306.3	536	0	0	8
9	1306.9	551	0	0	1306.6	543	0	0	1306.6	543	0	0	1306.3	536	0	0	9
10	1306.9	551	0	0	1306.6	543	0	0	1306.6	543	0	0	1306.4	539	0.2	0	10
11	1306.9	551	0	0	1306.6	543	0	0	1306.6	543	0	0	1306.5	541	0.1	0	11
12	1306.9	551	0	0	1306.6	543	0	0	1306.6	543	0	0	1306.5	541	0	0	12
13	1306.9	551	0	0	1306.6	543	0	0	1306.6	543	0	0	1306.5	541	0	0	13
14	1306.9	551	0	0	1306.6	543	0	0	1306.6	543	0	0	1306.5	541	0	0	14
15	1306.9	551	0	0	1306.6	543	0	0	1306.6	543	0	0	1292.2	236	0.6	1.6.0	15
16	1306.8	548	0	0	1306.6	543	0	0	1306.5	541	0	0	1293.1	252	0.8	0	16
17	1306.8	548	0	0	1306.6	543	0	0	1306.5	541	0	0	1293.5	260	0.4	0	17
18	1306.8	548	0	0	1306.6	543	0	0	1306.5	541	0	0	1293.7	263	0.2	0	18
19	1306.8	548	0	0	1306.7	546	0.4	0	1306.5	541	0	0	1293.9	267	0.2	0	19
20	1306.8	548	0	0	1306.7	546	0.1	0	1306.5	541	0	0	1294.0	269	0.1	0	20
21	1306.8	548	0	0	1306.7	546	0	0	1306.5	541	0	0	1294.0	269	0.1	0	21
22	1306.7	546	0	0	1306.7	546	0	0	1306.5	541	0	0	1294.1	271	+	0	22
23	1306.7	546	0	0	1306.7	546	0	0	1306.5	541	0	0	1294.1	271	0	0	23
24	1306.7	546	0	0	1306.7	546	0	0	1306.5	541	0	0	1294.2	273	0.1	0	24
25	1306.7	546	0	0	1306.7	546	0	0	1306.5	541	0	0	1294.2	273	0	0	25
26	1306.7	546	0	0	1306.7	546	0	0	1306.5	541	0	0	1294.2	273	0	0	26
27	1306.8	548	0.1	0	1306.7	546	0	0	1306.4	539	0	0	1294.2	273	0	0	27
28	1306.7	546	0	0	1306.7	546	0	0	1306.4	539	0	0	1294.3	275	0.1	0	28
29	1306.7	546	0	0	1306.7	546	0	0	1306.4	539	0	0	1294.5	279	0.1	0	29
30	1306.7	546	0	0	1306.7	546	0	0	1306.4	539	0	0	1294.5	279	0.1	0	30
31	1306.7	546	0	0					1306.4	539	0	0	1294.6	280	0.1	0	31
TOTAL			0.1	0			0.5	0			0	0			3.2	1.6.0	
Inf. Ac. Ft.			0.2				1.0				0				6.3		7.5
Outf. Ac. Ft.			0	+ (1.2)			0	+ (1.0)			0	+ (0.8)		31.7	+ (0.4)		31.7 + (3.4)
Maximum Mean Daily Inflow			0.1				0.4				0			0.8			0.8
Minimum Mean Daily Inflow			0				0				0			0			0
Storage Change		-0.9				0				-0.7				-25.9			-27.5

NOTE: Gage Heights and Storages as of Midnight on Day Shown — ½ Year

Max. W. S. Elev.	1307.1	feet	on 10-1-50	Storage	55.5	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1291.7	feet	on 1-15-51	Storage	22.7	Acre Feet	F. D. KELLY	Dam Tender	Gage Hts. copied	GPB JHL	
Max. Peak Inf.	2.4	C. F. S. from 2:30 PM	on 1-11-51	to 3:30 PM	on 1-11-51		T. E. MOON	Hydrographer	Storage applied	GPB JHL	
Max. Peak Outf.	46.5	C. F. S. from 1:20 PM	on 1-15-51	to 7:00 PM	on 1-15-51			Hydrographer	Inf. & Outf. comp.	GPB JHL	4-13-51

REMARKS ( ) Indicates evaporation and leakage loss.
{ Indicates average for period.

F. C. Dist. Form 68B Revised 500 11/44

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, 1951

Continuous Water Stage Recorder Au

Drainage Area 3.3 Square Miles. Capacity of Reservoir 321.8 Ac. Ft. at Spillway Elev. 1360.0 Ft. as of December, 1943 Survey Gage Heights Read Daily

Day	FEBRUARY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	MARCH Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	APRIL Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	MAY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Day
1	1294.7	282	0.1	0	1298.1	35.1	0.2	0	1300.6	40.5	{0.05	0	1302.0	43.6	{0.09	0	1
2	1294.6	28.4	0.1	0	1298.2	35.3	0.1	0	1300.7	40.7	0.05	0	1302.0	43.6	0.09	0	2
3	1295.0	28.8	0.2	0	1298.3	35.5	0.1	0	1300.7	40.7	0.05	0	1302.1	43.8	0.09	0	3
4	1295.1	29.0	0.1	0	1298.4	35.7	0.1	0	1300.8	41.0	0.05	0	1302.1	43.8	0.09	0	4
5	1295.2	29.2	0.1	0	1298.4	35.7	{0.1	0	1300.9	41.2	0.05	0	1302.2	44.1	0.09	0	5
6	1295.3	29.4	0.1	0	1298.5	36.0	0.1	0	1300.9	41.2	0.05	0	1302.3	44.3	0.09	0	6
7	1295.5	29.8	0.2	0	1298.6	36.2	0.1	0	1301.0	41.4	0.05	0	1302.3	44.3	0.09	0	7
8	1295.6	30.0	0.1	0	1298.7	36.4	0.1	0	1301.0	41.4	0.05	0	1302.4	44.5	0.09	0	8
9	1295.7	30.2	0.1	0	1298.8	36.6	0.1	0	1301.0	41.4	0.05	0	1302.5	44.8	0.09	0	9
10	1295.9	30.6	0.2	0	1298.9	36.8	0.1	0	1301.1	41.6	0.05	0	1302.6	45.0	0.09	0	10
11	1296.0	30.8	0.1	0	1298.9	36.8	0.1	0	1301.2	41.8	0.05	0	1302.7	45.2	0.09	0	11
12	1296.2	31.2	0.2	0	1299.0	37.0	0.1	0	1301.2	41.8	0.05	0	1302.8	45.4	0.09	0	12
13	1296.3	31.4	0.2	0	1299.0	37.0	0.1	0	1301.2	41.8	0.05	0	1302.9	45.7	0.09	0	13
14	1296.4	31.6	0.1	0	1299.1	37.2	0.1	0	1301.3	42.1	0.05	0	1303.0	45.9	0.09	0	14
15	1296.5	31.8	0.1	0	1299.2	37.4	0.1	0	1301.3	42.1	0.05	0	1303.0	45.9	0.09	0	15
16	1296.6	32.0	0.1	0	1299.3	37.7	0.1	0	1301.3	42.1	0.05	0	1303.1	46.1	0.09	0	16
17	1296.8	32.4	0.2	0	1299.4	37.9	0.1	0	1301.3	42.1	0.05	0	1303.2	46.4	0.09	0	17
18	1296.9	32.6	0.1	0	1299.5	38.1	0.1	0	1301.4	42.3	0.05	0	1303.3	46.6	0.09	0	18
19	1297.0	32.8	0.1	0	1299.6	38.3	0.1	0	1301.4	42.3	0.05	0	1303.4	46.8	0.09	0	19
20	1297.1	33.0	0.1	0	1299.7	38.5	0.1	0	1301.4	42.3	0.05	0	1303.4	46.8	0.09	0	20
21	1297.2	33.2	0.1	0	1299.8	38.8	{0.1	0	1301.4	42.3	0.05	0	1305.0	47.1	0.09	0	21
22	1297.3	33.4	0.1	0	1299.9	39.0	0.1	0	1301.5	42.5	0.05	0	1305.6	47.3	0.09	0	22
23	1297.4	33.6	0.2	0	1300.0	39.2	0.1	0	1301.5	42.5	0.05	0	1303.6	47.3	0.08	0	23
24	1297.5	33.9	0.2	0	1300.0	39.2	0.1	0	1301.5	42.5	0.05	0	1303.7	47.5	0.08	0	24
25	1297.6	34.1	0.2	0	1300.1	39.4	0.1	0	1301.7	42.9	0.1	0	1303.8	47.7	0.08	0	25
26	1297.7	34.3	0.1	0	1300.2	39.6	0.1	0	1301.7	42.9	{0.05	0	1303.9	48.0	0.08	0	26
27	1297.9	34.7	0.2	0	1300.3	39.9	0.1	0	1301.7	42.9	{0.05	0	1303.9	48.0	0.08	0	27
28	1298.0	34.9	0.2	0	1300.4	40.1	0.1	0	1301.9	43.4	{0.2	0	1304.0	48.2	0.08	0	28
29					1300.5	40.3	0.1	0	1302.0	43.6	{0.1	0	1304.0	48.2	0.08	0	29
30					1300.5	40.3	0.1	0	1302.0	43.6	{0.1	0	1304.0	48.2	0.08	0	30
31					1300.6	40.5	0.1	0					1304.1	48.4	{0.08	0	31
TOTAL			3.9	0			3.2	0			1.8	0			2.7	0	
Inf. Ac. Ft.			7.7				6.3				3.6				5.4		30.5
Outf. Ac. Ft.			0 + (0.8)				0 + (0.8)				0 + (0.4)			0 + (0.6)			31.7 + (6.0)
Maximum Mean Daily Inflow			0.2				0.2				0.2				0.09		0.8
Minimum Mean Daily Inflow			0.1				0.1				0.05				0.08		0
Storage Change		+6.9				+5.6				+3.1				+4.6			-7.1

NOTE: Gage Heights and Storages as of Midnight on Day Shown

% Year

Max. W. S. Elev.	1307.1	feet	on	10-1-50	Storage	55.5	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS ckd. Date
Min. W. S. Elev.	1291.7	feet	on	1-15-51	Storage	22.7	Acre Feet	F. D. KELLY	Dam Tender	Gage Hts. copied GPB JHL
Max. Peak Inf.	2.4	C.F.S. from	2:30 PM	on	1-11-51	to	3:30 PM	on	1-11-51	T. E. MOON	Hydrographer	Storage applied GPB JHL
Max. Peak Outf.	46.5	C.F.S. from	1:20 PM	on	1-15-51	to	7:00 PM	on	1-15-51		Hydrographer	Inf. & Outf. comp. GPB JHL 4-13-51

REMARKS () Indicate evaporation and leakage loss.
{ Indicates average for period.

F. C. Dist. Form 68C Revised 500 11/44

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, 1951

Continuous Water Stage Recorder Au

Drainage Area 3.3 Square Miles. Capacity of Reservoir 321.8 Ac. Ft. at Spillway Elev. 1360.0 Ft. as of December, 1943 Survey Gage Heights Read Daily

Day	JUNE Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	JULY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	AUGUST Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	SEPTEMBER Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Day
1	1304.1	48.4	{0.03	0	1304.4	49.1	0	0	1304.0	48.2	0	0	1303.4	46.8	0	0	1
2	1304.2	48.7	0.03	0	1304.4	49.1	0	0	1304.0	48.2	0	0	1303.4	46.8	0	0	2
3	1304.2	48.7	0.03	0	1304.4	49.1	0	0	1303.9	48.0	0	0	1303.4	46.8	0	0	3
4	1304.2	48.7	0.03	0	1304.4	49.1	0	0	1303.9	48.0	0	0	1303.4	46.8	0	0	4
5	1304.2	48.7	0.03	0	1304.4	49.1	0	0	1303.9	48.0	0	0	1303.3	46.6	0	0	5
6	1304.2	48.7	0.03	0	1304.4	49.1	0	0	1303.9	48.0	0	0	1303.3	46.6	0	0	6
7	1304.2	48.7	0.03	0	1304.3	48.9	0	0	1303.8	47.7	0	0	1303.3	46.6	0	0	7
8	1304.3	48.9	0.03	0	1304.3	48.9	0	0	1303.8	47.7	0	0	1303.3	46.6	0	0	8
9	1304.3	48.9	0.03	0	1304.3	48.9	0	0	1303.8	47.7	0	0	1303.3	46.6	0	0	9
10	1304.3	48.9	0.03	0	1304.3	48.9	0	0	1303.8	47.7	0	0	1303.3	46.6	0	0	10
11	1304.3	48.9	0.03	0	1304.3	48.9	0	0	1303.7	47.5	0	0	1303.3	46.6	0	0	11
12	1304.3	48.9	0.03	0	1304.3	48.9	0	0	1303.7	47.5	0	0	1303.2	46.4	0	0	12
13	1304.3	48.9	0.03	0	1304.3	48.9	0	0	1303.7	47.5	0	0	1303.2	46.4	0	0	13
14	1304.3	48.9	0.03	0	1304.3	48.9	0	0	1303.7	47.5	0	0	1303.2	46.4	0	0	14
15	1304.4	49.1	0.03	0	1304.3	48.9	0	0	1303.7	47.5	0	0	1303.2	46.4	0	0	15
16	1304.4	49.1	0.03	0	1304.3	48.9	0	0	1303.7	47.5	0	0	1303.2	46.4	0	0	16
17	1304.4	49.1	0.03	0	1304.3	48.9	0	0	1303.6	47.3	0	0	1303.2	46.4	0	0	17
18	1304.4	49.1	0.03	0	1304.2	48.7	0	0	1303.6	47.3	0	0	1303.1	46.1	0	0	18
19	1304.4	49.1	0.03	0	1304.2	48.7	0	0	1303.6	47.3	0	0	1303.1	46.1	0	0	19
20	1304.4	49.1	0.03	0	1304.2	48.7	0	0	1303.6	47.3	0	0	1303.1	46.1	0	0	20
21	1304.4	49.1	0.02	0	1304.2	48.7	0	0	1303.6	47.3	0	0	1303.1	46.1	0	0	21
22	1304.4	49.1	0.02	0	1304.2	48.7	0	0	1303.6	47.3	0	0	1303.1	46.1	0	0	22
23	1304.4	49.1	0.02	0	1304.1	48.4	0	0	1303.5	47.1	0	0	1303.0	45.9	0	0	23
24	1304.4	49.1	0.02	0	1304.1	48.4	0	0	1303.5	47.1	0	0	1303.0	45.9	0	0	24
25	1304.4	49.1	0.02	0	1304.1	48.4	0	0	1303.5	47.1	0	0	1303.0	45.9	0	0	25
26	1304.4	49.1	0.02	0	1304.1	48.4	0	0	1303.5	47.1	0	0	1303.0	45.9	0	0	26
27	1304.4	49.1	0.02	0	1304.1	48.4	0	0	1303.5	47.1	0	0	1303.0	45.9	0	0	27
28	1304.4	49.1	0.02	0	1304.1	48.4	0	0	1303.5	47.1	0	0	1303.0	45.9	0	0	28
29	1304.4	49.1	0.02	0	1304.0	48.2	0	0	1303.4	46.8	0	0	1303.0	45.9	0	0	29
30	1304.4	49.1	{0.02	0	1304.0	48.2	0	0	1303.4	46.8	0	0	1303.0	45.9	0	0	30
31					1304.0	48.2	0	0	1303.4	46.8	0	0					31
TOTAL			0.8	0			0	0			0	0			0	0	
Inf. Ac. Ft.			1.6				0				0				0		32.1
Outf. Ac. Ft.			0 + (0.8)				0 + (1.0)				0 + (1.4)			0 + (1.0)			317 + (10.2)
Maximum Mean Daily Inflow			0.03				0				0				0		0.8
Minimum Mean Daily Inflow			0.02				0				0				0		0
Storage Change		+0.7				-0.9				-1.4				-0.9			-9.6

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Yearly Totals

Max. W. S. Elev.	1307.1	feet	on	10-1-50	Storage	55.5	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS ckd. Date
Min. W. S. Elev.	1291.7	feet	on	1-15-51	Storage	22.7	Acre Feet	F. D. KELLY	Dam Tender	Gage Hts. copied WLT 10-12-51
Max. Peak Inf.	2.4	C.F.S. from	2:30 PM	on	1-11-51	to	3:30 PM	on	1-11-51	T. E. MOON	Hydrographer	Storage applied WLT
Max. Peak Outf.	46.5	C.F.S. from	1:20 PM	on	1-15-51	to	7:00 PM	on	1-15-51		Hydrographer	Inf. & Outf. comp. WLT

REMARKS () Indicates evaporation and leakage loss.
{ Indicates average for period.

APK 11-19-51

SAN GABRIEL NO. 2

F. C. Dist. Form 88A Revised 500 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAN GABRIEL NO. 2 Dam

In San Gabriel Canyon - West Fork for the Year Ending September 30, 1950

Continuous Water Stage Recorder Pressure

Drainage Area 39.2 Square Miles. Capacity of Reservoir 10,634.3 Ac. Ft. at Spillway Elev. 2385.0 Ft. as of January & September 1947 Survey Gage Heights Read Daily

OCTOBER

Day	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow
1	2211.2	*65.5	0.8	0.1
2	2211.8	66.6	0.8	0.1
3	2212.4	67.9	0.7	0.1
4	2212.9	68.9	0.7	0.1
5	2213.3	69.9	0.6	0.1
6	2213.7	70.9	0.6	0.1
7	2214.1	72.2	0.6	0.1
8	2214.4	73.0	0.6	0.1
9	2214.7	74.1	0.6	0.1
10	2215.0	75.0	0.6	0.1
11	2215.2	75.8	0.6	0.1
12	2215.5	76.9	0.5	0.1
13	2215.7	77.7	0.5	0.1
14	2215.9	78.5	0.5	0.1
15	2216.1	79.3	0.5	0.1
16	2216.3	80.2	0.5	0.1
17	2216.5	81.1	0.5	0.1
18	2216.6	81.6	0.5	0.1
19	2216.8	82.5	0.5	0.1
20	2216.9	83.1	0.5	0.1
21	2217.1	84.0	0.5	0.1
22	2217.2	84.5	0.5	0.1
23	2217.3	85.1	0.5	0.1
24	2217.5	86.0	0.5	0.1
25	2217.6	86.8	0.5	0.1
26	2217.7	87.3	0.5	0.1
27	2217.9	88.2	0.5	0.1
28	2218.0	88.8	0.5	0.1
29	2218.1	89.4	0.5	0.1
30	2218.2	90.0	0.4	0.1
31	2218.3	*90.6	0.4	0.1
TOTAL			17.0	3.1
Inf. Ac. Ft.			33.7	
Outf. Ac. Ft.			6.1	+ (0.8)
Maximum Mean Daily Inflow			0.9	
Minimum Mean Daily Inflow			0.4	
Storage Change			+26.7	

NOVEMBER

Day	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow
1	2218.4	*91.2	0.5	0.1
2	2218.5	91.8	0.5	0.1
3	2218.6	92.4	0.5	0.1
4	2218.7	93.0	0.5	0.1
5	2218.8	93.6	0.5	0.1
6	2218.9	94.2	0.4	0.1
7	2218.9	94.5	0.4	0.1
8	2219.0	95.1	0.4	0.1
9	2219.2	*96.5	0.8	0.1
10	2224.0	131.2	17.6	0.1
11	2224.5	135.3	2.1	0.1
12	2224.7	136.9	0.9	0.1
13	2224.8	137.7	0.9	0.1
14	2225.0	139.3	0.8	0.1
15	2225.1	140.1	0.8	0.1
16	2225.3	141.8	0.8	0.1
17	2225.4	142.7	0.8	0.1
18	2225.5	143.5	0.8	0.1
19	2225.7	145.2	0.8	0.1
20	2225.9	146.9	0.8	0.1
21	2226.0	147.7	0.8	0.1
22	2226.2	149.5	0.8	0.1
23	2226.4	151.2	0.8	0.1
24	2226.5	152.1	0.8	0.1
25	2226.7	153.9	0.8	0.1
26	2226.8	154.7	0.8	0.1
27	2226.9	155.6	0.9	0.1
28	2227.1	157.4	0.9	0.1
29	2227.3	159.2	0.9	0.2
30	2227.4	160.1	0.9	0.2
31				
TOTAL			40.0	3.2
Inf. Ac. Ft.			79.3	
Outf. Ac. Ft.			6.3	+ (3.6)
Maximum Mean Daily Inflow			17.6	
Minimum Mean Daily Inflow			0.4	
Storage Change			+69.5	

DECEMBER *

Day	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow
1	2227.6	162.0	1.0	0.2
2	2227.7	162.9	1.0	0.2
3	2227.9	164.7	1.0	0.2
4	2228.1	166.6	1.1	0.2
5	2228.2	167.5	1.1	0.2
6	2228.4	169.4	1.1	0.2
7	2228.6	171.4	1.1	0.2
8	2229.2	177.2	3.1	0.2
9	2229.8	183.2	3.2	0.2
10	2230.1	186.2	1.8	0.2
11	2230.3	188.3	1.5	0.2
12	2230.6	191.4	1.5	0.2
13	2230.8	193.4	1.5	0.2
14	2231.0	195.5	1.5	0.2
15	2231.3	198.8	1.4	0.2
16	2231.5	201.0	1.4	0.2
17	2231.8	204.3	1.9	0.2
18	2243.0	364.9	81.2	0.2
19	2248.5	467.7	52.0	0.2
20	2250.6	510.9	22.1	0.2
21	2252.0	540.9	15.4	0.2
22	2253.0	562.9	11.4	0.2
23	2253.9	583.2	10.5	0.2
24	2254.7	601.4	9.5	0.2
25	2255.3	615.3	7.3	0.2
26	2255.9	629.3	7.4	0.2
27	2256.4	641.1	6.2	0.2
28	2256.9	653.0	6.4	0.3
29	2257.3	662.7	5.3	0.3
30	2257.7	672.5	5.3	0.3
31	2258.1	682.3	5.4	0.3
TOTAL			271.6	6.6
Inf. Ac. Ft.			538.7	
Outf. Ac. Ft.			13.1	+ (3.4)
Maximum Mean Daily Inflow			81.2	
Minimum Mean Daily Inflow			1.0	
Storage Change			+522.2	

JANUARY

Day	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	½ Year
1	2258.5	692.3	5.3	0.3	
2	2258.9	702.3	5.4	0.3	
3	2259.2	709.9	4.6	0.3	
4	2259.6	720.2	4.6	0.3	
5	2259.9	727.9	4.6	0.3	
6	2260.2	735.8	4.5	0.3	
7	2260.5	743.7	4.5	0.3	
8	2262.2	789.6	23.5	0.3	
9	2263.7	832.0	21.8	0.3	
10	2264.6	858.2	13.5	0.3	
11	2265.5	885.0	13.8	0.3	
12	2266.2	906.1	10.9	0.3	
13	2266.8	924.6	9.7	0.3	
14	2267.5	946.3	11.2	0.3	
15	2268.1	965.1	9.8	0.3	
16	2268.7	984.2	9.9	0.3	
17	2269.4	1006.6	11.6	0.3	
18	2270.2	1032.5	13.4	0.3	
19	2271.1	1062.0	15.1	0.3	
20	2271.9	1088.7	13.9	0.3	
21	2272.7	1115.7	14.0	0.3	
22	2273.4	1139.7	12.5	0.3	
23	2274.1	1163.9	12.5	0.3	
24	2274.7	1185.0	11.1	0.4	
25	2275.2	1202.7	9.5	0.4	
26	2275.8	1224.2	11.4	0.4	
27	2276.3	1242.4	9.7	0.4	
28	2276.7	1257.0	7.9	0.4	
29	2277.5	1286.6	15.3	0.4	
30	2278.1	1309.0	11.8	0.4	
31	2278.6	1327.9	10.0	0.4	
TOTAL			337.3	10.1	
Inf. Ac. Ft.			669.0		1320.7
Outf. Ac. Ft.			20.0	+ (3.4)	45.5+(11.2)
Maximum Mean Daily Inflow			23.5		81.2
Minimum Mean Daily Inflow			4.5		0.4
Storage Change			+645.6		+1264.0

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	2308.0	feet	on 4-20-50	Storage	2785.3	Acre Feet		
Min. W. S. Elev.	2210.3	feet	on 10-1-49	Storage	63.9	Acre Feet		
Max. Peak Inf.	239.	C. F. S. from	1800	on 12-18-49	to 2000	on 12-18-49		
Max. Peak Outf.	84.0	C. F. S. from		on	to at 0930	on 3-2-50		

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
KENYON DE VORE	Dam Tender	Gage Hts. copied GHM	JHL	
G. H. MIDDLETON	Hydrographer	Storage applied GHM	JHL	
	Hydrographer	Inf. & Outf. comp. GHM	JHL	10-31-50

REMARKS ( ) Indicates evaporation loss.
Outflow as per Station F209-R & Valve Operation Records.
* Reservoir gage heights storage in pit, and reservoir.

F. C. Dist. Form 88B Revised 500 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAN GABRIEL NO. 2 Dam

In San Gabriel Canyon - West Fork for the Year Ending September 30, 1950

Continuous Water Stage Recorder Pressure

Drainage Area 39.2 Square Miles. Capacity of Reservoir 10,634.3 Ac. Ft. at Spillway Elev. 2385.0 Ft. as of January & September 1947 Survey Gage Heights Read Daily

FEBRUARY

Day	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow
1	2279.1	1347.0	10.1	0.4
2	2279.5	1362.5	8.3	0.4
3	2279.9	1377.9	8.3	0.4
4	2280.3	1393.7	8.5	0.4
5	2280.8	1413.4	10.3	0.4
6	2285.5	1609.1	99.1	0.4
7	2288.0	1719.7	56.2	0.5
8	2289.5	1788.3	35.3	0.5
9	2290.8	1848.7	31.2	0.5
10	2292.0	1905.8	29.4	0.6
11	2293.0	1954.2	25.1	0.6
12	2293.9	1998.7	23.2	0.6
13	2294.7	2038.8	21.0	0.6
14	2295.3	2069.2	16.1	0.6
15	2295.9	2099.9	16.3	0.6
16	2296.4	2125.8	13.9	0.6
17	2296.9	2151.8	14.0	0.6
18	2297.4	2178.2	14.1	0.6
19	2297.9	2204.7	14.3	0.6
20	2298.3	2226.2	11.6	0.6
21	2298.6	2242.4	9.6	0.6
22	2298.7	2247.8	9.6	8.0
23	2298.6	2242.4	9.6	11.0
24	2298.5	2237.0	9.6	11.0
25	2298.5	2237.0	9.6	11.0
26	2298.4	2231.6	8.6	11.0
27	2298.3	2226.2	8.5	11.0
28	2298.2	2220.8	8.5	11.0
29				
30				
31				
TOTAL			539.9	85.1
Inf. Ac. Ft.			1070.9	
Outf. Ac. Ft.			168.8	+ (9.1)
Maximum Mean Daily Inflow			99.1	
Minimum Mean Daily Inflow			8.3	
Storage Change		+892.9		

MARCH

Day	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow
1	2298.1	2215.4	7.8	11.0
2	2297.9	2204.7	7.8	11.6
3	2297.8	2199.4	7.8	11.4
4	2297.6	2188.8	7.8	11.4
5	2297.5	2183.5	7.8	11.4
6	2297.5	2183.5	6.3	5.4
7	2297.7	2194.1	6.3	0.6
8	2297.9	2204.7	6.3	0.6
9	2298.1	2215.4	6.3	0.6
10	2298.3	2226.2	6.3	0.6
11	2298.5	2237.0	6.3	0.6
12	2298.7	2247.8	6.2	0.6
13	2298.9	2258.6	6.2	0.7
14	2299.1	2269.5	6.2	0.7
15	2299.3	2280.4	6.2	0.7
16	2299.4	2285.9	5.5	0.7
17	2299.6	2296.9	5.4	0.7
18	2299.7	2302.4	5.4	0.7
19	2299.9	2313.3	5.4	0.7
20	2300.1	2324.4	5.4	0.7
21	2300.2	2329.9	4.7	0.7
22	2300.4	2341.0	4.7	0.7
23	2300.5	2346.6	4.7	0.7
24	2301.0	2374.4	14.9	0.7
25	2301.5	2402.7	15.0	0.7
26	2301.8	2419.6	9.5	0.7
27	2302.0	2430.9	6.6	0.7
28	2302.2	2442.3	6.7	0.7
29	2302.4	2453.8	6.8	0.6
30	2302.6	2465.2	6.8	0.6
31	2302.8	2476.7	6.8	0.6
TOTAL			215.9	78.8
Inf. Ac. Ft.			428.2	
Outf. Ac. Ft.			156.3	+ (16.1)
Maximum Mean Daily Inflow			15.0	
Minimum Mean Daily Inflow			4.7	
Storage Change		+255.9		

APRIL

Day	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow
1	2303.0	2488.1	6.6	0.6
2	2303.1	2493.9	5.2	0.6
3	2303.2	2499.7	5.2	0.6
4	2303.3	2505.5	5.2	2.5
5	2303.4	2511.3	5.2	2.6
6	2303.5	2517.1	5.2	2.4
7	2303.6	2522.9	5.1	2.4
8	2304.8	2593.1	37.8	2.4
9	2305.7	2646.6	29.1	2.0
10	2306.2	2676.4	17.2	1.7
11	2306.5	2694.5	11.1	1.5
12	2306.8	2712.5	11.0	1.4
13	2307.0	2724.5	9.0	2.4
14	2307.2	2736.7	9.0	2.4
15	2307.4	2748.8	8.9	2.4
16	2307.5	2754.9	7.0	2.4
17	2307.7	2767.1	7.0	2.4
18	2307.8	2773.1	7.0	2.4
19	2308.0	2785.3	6.9	2.4
20	2307.9	2779.2	6.9	7.0
21	2307.8	2773.1	6.1	9.8
22	2307.7	2767.1	6.1	9.8
23	2307.6	2761.0	6.1	9.4
24	2307.5	2754.9	6.1	9.1
25	2307.3	2742.7	6.1	9.1
26	2307.2	2736.7	5.7	9.1
27	2307.1	2730.6	5.7	9.3
28	2306.9	2718.5	5.7	9.8
29	2306.8	2712.5	5.7	9.8
30	2306.6	2700.5	5.6	10.2
31				
TOTAL			264.5	139.9
Inf. Ac. Ft.			524.6	
Outf. Ac. Ft.			277.5	+ (23.4)
Maximum Mean Daily Inflow			37.8	
Minimum Mean Daily Inflow			5.1	
Storage Change		+223.8		

MAY

Day	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	¾ Year
1	2306.5	2694.5	5.3	10.2	
2	2306.4	2688.4	5.1	8.7	
3	2306.3	2682.4	5.0	5.8	
4	2306.2	2676.4	4.9	7.6	
5	2306.1	2670.4	4.8	9.4	
6	2305.9	2658.5	4.7	6.8	
7	2305.9	2658.5	4.7	5.8	
8	2305.8	2652.5	4.6	7.8	
9	2305.6	2640.6	4.5	9.1	
10	2305.4	2628.7	4.3	8.3	
11	2305.2	2616.8	4.2	8.3	
12	2305.1	2610.9	4.2	8.3	
13	2305.0	2604.9	4.2	7.5	
14	2304.8	2593.1	4.1	7.2	
15	2304.7	2587.3	4.1	8.0	
16	2304.5	2575.5	4.1	9.4	
17	2304.3	2563.7	4.1	9.4	
18	2304.1	2552.0	4.0	8.7	
19	2304.0	2546.1	4.0	8.7	
20	2303.8	2534.5	4.0	8.7	
21	2303.6	2522.9	3.5	8.3	
22	2303.4	2511.3	3.1	7.9	
23	2303.2	2499.7	3.0	7.5	
24	2303.1	2493.9	2.8	6.8	
25	2302.9	2482.4	2.5	7.7	
26	2302.7	2470.9	2.4	8.7	
27	2302.5	2459.5	2.3	8.7	
28	2302.2	2442.3	2.3	8.7	
29	2302.0	2430.9	2.2	8.7	
30	2301.8	2419.6	2.1	8.3	
31	2301.5	2402.7	2.0	8.3	
TOTAL			117.1	253.3	
Inf. Ac. Ft.		232.3			3576.7
Outf. Ac. Ft.		502.4	+ (27.6)		1150.5 + (87.4)
Maximum Mean Daily Inflow		5.3			99.1
Minimum Mean Daily Inflow		2.0			0.4
Storage Change		−297.8			+2338.8

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	2308.0	feet	on 4-20-50	Storage	2785.3	Acre Feet		
Min. W. S. Elev.	2210.3	feet	on 10-1-49	Storage	63.9	Acre Feet		
Max. Peak Inf.	239.	C. F. S. from	1800	on 12-18-49	to 2000	on 12-18-49		
Max. Peak Outf.	84.0	C. F. S. from		on	to at 0930	on 3-2-50		

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
KENYON DE VORE	Dam Tender	Gage Hts. copied GHM	JHL	
G. H. MIDDLETON	Hydrographer	Storage applied GHM	JHL	
	Hydrographer	Inf. & Outf. comp. GHM	JHL	11-3-50

REMARKS ( ) Indicates evaporation loss.
Outflows as per Station F209-R & Valve Operation Records.

SAN GABRIEL NO. 2 (cont'd.)

F. C. Dist. Form 68 Revised 609 5/50

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DEPARTMENT

Daily Gage Height in feet and Operation Record of SAN GABRIEL NO. 2 Dam

In San Gabriel Canyon - West Fork for the Year Ending September 30, 1950

Continuous Water Stage Recorder Pressure

Drainage Area 39.2 Square Miles. Capacity of Reservoir 10,634.3 Ac. Ft. at Spillway Elev. 2385.0 Ft. Jan. & Sept. 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	2301.2	2385.7	(1.6	10.0	2288.8	1756.1	(0.7	11.0	2273.0	1125.9	(0.8	9.1	2251.6	532.3	(0.9	9.1	1
2	2300.8	2363.3	1.4	11.8	2288.3	1733.4	0.7	11.0	2272.5	1109.0	0.8	8.7	2250.9	517.2	0.9	9.1	2
3	2300.4	2341.0	1.3	11.8	2287.8	1710.7	0.7	11.0	2271.9	1088.7	0.8	10.0	2250.1	500.4	0.9	8.7	3
4	2300.0	2318.8	1.2	11.8	2287.3	1688.3	0.7	11.0	2271.3	1069.7	0.7	10.6	2249.3	483.9	0.9	8.7	4
5	2299.6	2296.9	1.1	11.8	2286.8	1666.0	0.7	11.0	2270.7	1048.9	0.7	10.6	2248.5	467.7	0.9	8.7	5
6	2299.2	2275.0	(1.1	11.4	2286.4	1648.3	0.7	11.0	2270.1	1029.2	0.7	10.2	2247.7	451.8	0.9	8.7	6
7	2298.8	2253.2	1.1	11.0	2285.9	1626.4	0.8	11.0	2269.5	1009.8	0.7	10.2	2246.8	434.3	0.9	8.7	7
8	2298.4	2231.6	1.1	11.0	2285.5	1609.1	0.8	10.6	2268.9	990.5	0.7	10.2	2246.0	419.1	0.9	8.7	8
9	2298.0	2210.0	1.1	11.0	2285.0	1587.4	0.8	10.2	2268.3	971.4	0.7	9.8	2245.2	404.2	0.9	8.7	9
10	2297.6	2188.8	1.1	11.0	2284.5	1566.1	0.8	9.8	2267.6	949.4	0.7	11.2	2244.4	389.7	0.9	8.7	10
11	2297.2	2167.6	1.0	11.4	2284.1	1549.0	0.8	9.8	2266.8	924.6	0.7	12.2	2243.5	373.7	0.8	8.7	11
12	2296.8	2146.6	1.0	11.4	2283.6	1527.9	0.8	9.8	2266.0	900.0	0.7	11.8	2242.6	358.0	0.8	8.7	12
13	2296.4	2125.8	1.0	11.4	2283.2	1511.2	0.8	10.1	2265.2	876.0	0.7	11.8	2241.7	342.7	0.8	8.7	13
14	2296.0	2105.0	0.9	11.4	2282.6	1486.4	0.8	12.2	2264.4	852.4	0.7	11.8	2240.7	326.1	0.7	8.7	14
15	2295.6	2084.6	0.9	10.8	2282.0	1461.7	0.8	12.2	2263.7	832.0	0.7	11.8	2239.6	308.4	0.7	9.4	15
16	2295.2	2064.1	(0.8	11.0	2281.5	1441.5	(0.9	11.4	2262.9	809.1	0.7	11.8	2238.4	289.8	0.7	9.4	16
17	2294.8	2043.8	0.8	11.0	2280.9	1417.4	0.9	11.4	2262.1	786.8	0.7	11.2	2237.2	272.1	0.7	9.4	17
18	2294.4	2023.7	0.8	11.0	2280.4	1397.6	0.9	11.4	2261.2	762.3	0.8	12.7	2235.9	254.2	0.7	9.4	18
19	2294.0	2003.6	0.7	10.6	2279.9	1377.9	0.9	11.0	2260.3	738.4	0.8	12.7	2234.5	236.2	0.7	9.1	19
20	2293.6	1983.8	0.7	10.6	2279.3	1354.7	1.0	11.0	2259.5	717.7	0.8	12.2	2233.5	223.9	0.7	7.4	20
21	2293.2	1964.1	0.7	10.6	2278.7	1331.7	1.0	11.0	2258.6	694.8	0.9	12.2	2232.5	212.2	0.6	6.1	21
22	2292.8	1944.5	0.7	10.6	2278.2	1312.8	1.0	11.0	2257.7	672.5	1.0	12.2	2231.6	202.1	0.6	5.8	22
23	2292.4	1925.2	0.7	10.6	2277.7	1294.0	1.0	10.6	2256.8	650.6	1.0	11.8	2230.7	192.4	0.6	5.4	23
24	2291.9	1901.0	0.7	10.6	2277.1	1271.6	1.0	10.6	2256.1	634.0	1.0	9.4	2229.7	182.2	0.6	5.4	24
25	2291.5	1882.0	0.7	10.6	2276.5	1249.7	1.0	10.6	2255.5	620.0	1.0	7.2	2228.8	173.3	0.6	5.0	25
26	2291.1	1862.9	0.7	10.2	2276.0	1231.4	0.9	10.6	2255.0	608.3	1.0	7.2	2227.9	164.7	0.6	5.0	26
27	2290.6	1839.4	0.7	10.2	2275.5	1213.5	0.9	10.2	2254.5	596.9	1.0	6.8	2227.0	156.5	0.6	4.7	27
28	2290.2	1820.7	0.7	9.8	2275.0	1195.5	0.9	9.8	2254.0	585.4	1.0	6.8	2225.8	146.0	0.6	5.6	28
29	2289.7	1797.5	0.7	10.2	2274.5	1178.0	0.8	9.4	2253.5	574.2	1.0	6.1	2224.6	136.1	0.6	6.1	29
30	2289.2	1774.4	0.7	11.4	2274.0	1160.4	0.8	9.1	2253.0	562.9	1.0	5.8	2223.4	126.6	0.6	5.8	30
31					2273.5	1143.2	0.8	9.1	2252.4	549.7	1.0	7.3					31
TOTAL			27.7	328.0			26.1	329.9			25.5	313.4			22.3	231.6	
Inf. Ac. Ft.			54.9				51.8				50.6				44.2	377.8	
Outf. Ac. Ft.			650.6 + (32.7)				654.3 + (28.8)				621.6 + (22.4)		459.4 + (7.9)			353.6.4 + (79.2)	
Maximum Mean Daily Inflow			1.6				1.0				1.0		0.9			99.1	
Minimum Mean Daily Inflow			0.7				0.7				0.7		0.6			0.4	
Storage Change		-628.3				-631.2				-593.5				-423.1		+62.7	

REMARKS — Yearly Totals

Max. W. S. Elev.	2308.0	feet on 4-20-50	Storage 2785.3	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	Date
Min. W. S. Elev.	2210.3	feet on 10-1-49	Storage 63.9	Acre Feet	KENYON DE VORE	Dam Tender	Gage Hts. copied GHM JHL	
Max. Peak Inf.	239.	C.F.S. from 1800 on 12-18-49 to 2000 on 12-18-49			G. H. MIDDLETON	Hydrographer	Storage applied GHM JHL	
Max. Peak Outf.	84.0	C.F.S. from at 0930 on 3-2-50 to on				Hydrographer	Inf. & Outf. computed GHM JHL	
( ) Indicates evaporation loss.							Checked 11-3-50	

Outflows as per Station F209-R & Valve Operation Records.

F. C. Dist. Form 68A Revised 500 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAN GABRIEL NO. 2 Dam

In San Gabriel Canyon - West Fork for the Year Ending September 30, 1951

Continuous Water Stage Recorder Pressure

Drainage Area 39.2 Square Miles. Capacity of Reservoir 10,634.3 Ac. Ft. at Spillway Elev. 2385.0 Ft. as of Jan. & Sept. 1947 Survey 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	2222.2	117.6	(0.5	5.4	2203.8	* 50.8	0.9	1.3	2212.8	* 64.4	(0.5	0.2	2215.8	77.8	(0.4	0.2	1
2	2221.0	109.0	0.5	5.0	2203.7	50.4	0.9	1.2	2212.9	64.9	0.5	0.2	2215.8	77.8	0.4	0.2	2
3	2219.8	101.0	0.5	4.4	2203.6	50.1	0.9	1.1	2213.1	65.6	0.5	0.2	2215.9	78.3	0.4	0.2	3
4	2218.5	* 94.1	0.5	4.0	2203.4	50.0	0.9	1.0	2213.2	65.9	0.5	0.2	2215.9	78.3	0.4	0.2	4
5	2216.6	86.9	0.6	4.3	2203.6	50.1	0.9	0.9	2213.3	66.6	0.5	0.2	2216.0	78.8	0.4	0.2	5
6	2214.3	79.7	0.6	4.0	2203.9	49.9	0.8	0.7	2213.5	67.3	0.4	0.2	2216.0	78.8	0.3	0.2	6
7	2211.9	73.4	0.6	3.8	2202.0	49.1	0.7	0.7	2213.6	67.8	0.4	0.2	2216.1	79.3	0.3	0.2	7
8	2207.9	66.3	0.6	3.6	2202.0	49.1	0.5	0.5	2213.7	68.1	0.4	0.2	2216.1	79.3	0.3	0.2	8
9	2202.0	62.4	(0.6	2.4	2202.0	49.1	0.5	0.5	2213.8	68.6	0.4	0.2	2216.2	79.9	(0.3	0.2	9
10	2202.0	61.6	0.7	1.4	2202.0	49.1	0.5	0.5	2213.9	69.0	0.4	0.2	2216.3	* 80.4	0.4	0.2	10
11	2202.0	60.8	0.8	1.4	2202.0	49.1	0.5	0.5	2214.0	69.5	0.4	0.2	2216.5	81.9	0.9	0.2	11
12	2202.0	60.0	0.8	1.4	2205.5	50.3	1.0	0.4	2214.1	70.0	0.4	0.2	2216.7	82.6	(0.7	0.2	12
13	2202.0	59.2	0.8	1.4	2203.2	50.0	1.1	1.2	2214.2	70.4	0.4	0.2	2216.9	83.5	0.7	0.2	13
14	2202.0	58.4	0.9	1.3	2206.7	51.5	1.5	0.7	2214.4	71.1	0.4	0.2	2217.2	84.7	0.7	0.2	14
15	2202.0	57.8	0.9	1.1	2207.8	52.5	1.0	0.5	2214.5	71.6	0.4	0.2	2217.4	85.6	0.6	0.2	15
16	2202.0	57.1	0.9	1.0	2208.6	53.5	0.7	0.2	2214.6	71.9	0.4	0.2	2217.6	86.6	0.7	0.2	16
17	2205.2	57.3	0.9	0.8	2209.2	54.5	0.7	0.2	2214.7	72.4	0.4	0.2	2217.9	87.8	0.8	0.2	17
18	2203.5	56.2	0.9	0.8	2209.9	55.8	0.8	0.2	2214.7	* 72.6	0.4	0.2	2218.3	89.8	1.2	0.2	18
19	2205.4	56.1	0.9	1.1	2210.4	57.1	0.9	0.2	2214.8	72.9	0.4	0.2	2219.2	* 94.6	2.6	0.2	19
20	2205.2	55.3	(0.9	1.2	2210.7	57.8	(0.6	0.2	2214.9	73.4	0.4	0.2	2219.4	95.5	2.2	0.2	20
21	2203.9	54.6	0.9	1.1	2211.0	58.5	0.6	0.2	2215.0	73.9	0.4	0.2	2219.8	101.0	1.4	0.2	21
22	2204.3	54.5	0.9	1.1	2211.2	59.1	0.5	0.2	2215.0	73.9	0.4	0.2	2220.1	103.0	(1.4	0.2	22
23	2204.6	53.9	0.9	1.1	2211.4	59.7	0.5	0.2	2215.1	74.4	0.4	0.2	2220.5	105.7	1.4	0.2	23
24	2204.9	53.6	0.9	1.1	2211.7	60.6	0.5	0.2	2215.2	74.9	0.4	0.2	2220.9	108.3	1.4	0.2	24
25	2204.7	53.0	(0.9	1.3	2211.9	61.1	0.5	0.2	2215.2	74.9	0.4	0.2	2221.2	110.4	1.4	0.2	25
26	2205.0	52.3	0.9	1.2	2212.1	61.7	0.5	0.2	2215.3	75.4	0.4	0.2	2221.5	112.5	1.4	0.2	26
27	2204.7	52.1	0.9	0.9	2212.2	62.2	0.5	0.2	2215.4	75.9	0.4	0.2	2221.9	115.4	1.4	0.2	27
28	2203.4	51.6	0.9	1.3	2212.4	62.8	0.5	0.2	2215.5	76.4	0.4	0.2	2222.2	117.6	1.4	0.2	28
29	2203.3	51.6	0.9	1.0	2212.5	63.3	0.5	0.2	2215.5	76.4	0.4	0.2	2223.8	129.7	6.3	0.2	29
30	2204.2	51.4	0.9	1.0	2212.7	* 64.0	0.5	0.2	2215.6	76.8	0.4	0.2	2224.9	138.5	4.7	0.2	30
31	2203.9	* 50.8	0.8	1.0					2215.7	77.3	0.4	0.2	2225.6	144.3	3.1	0.2	31
TOTAL			24.2	61.9			21.4	14.7			12.9	6.2			40.0	6.2	
Inf. Ac. Ft.			48.0				42.4				25.6				79.3	195.3	
Outf. Ac. Ft.			122.8 + (1.0)				29.2 + (0)				12.3 + (0)			12.3 + (0)		176.6 + (1.0)	
Maximum Mean Daily Inflow			0.9				1.5				0.5				6.3	6.3	
Minimum Mean Daily Inflow			0.5				0.5				0.4				0.3	0.3	
Storage Change		-75.8				+13.2				+13.3				+67.0		+17.7	

NOTE: Gage Heights and Storages as of Midnight on Day Shown — ½ Year

Max. W. S. Elev.	2255.8	feet on 7-14 to 8-13-51	Storage 627.	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	2202.0 *	feet on 11-7-13-50	Storage 49.1 *	Acre Feet	E. K. DEVORE	Dam Tender	Gage Hts. copied	APK 6-20-51
Max. Peak Inf.	24.5	C.F.S. from 6:00 AM on 4-29-51	to 7:00 AM on 4-29-51		G. H. MIDDLETON	Hydrographer	Storage applied	APK
Max. Peak Outf.	13.6	C.F.S. from 9:00 AM on 9-6-51	to 12:35 PM on 9-6-51			Hydrographer	Inf. & Outf. comp.	APK

REMARKS * Reservoir Gage Heights shown. Storage includes pit.
( ) Indicates evaporation loss. (Indicates average for period.
Outflows as per Station F209-R and Valve Operation Records.

F. C. Dist. Form 66B Revised 500 11/44

Daily Gage Height in feet and Operation Record of SAN GABRIEL NO. 2

In San Gabriel Canyon - West Fork for the Year Ending September 30, 1951

FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder Pressure

Drainage Area 39.2 Square Miles. Capacity of Reservoir 10,634.3 Ac. Ft. at Spillway Elev. 2385.0 Ft. as of Jan. & Sept. 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	2226.0	147.7	22	0.2	2233.8	227.5	3.8	0.2	2243.8	379.0	21	0.2	2250.9	517.2	3.6	0.3	1
2	2226.4	151.2	20	0.2	2234.3	233.7	3.4	0.2	2244.0	382.5	20	0.2	2251.1	521.5	3.0	0.3	2
3	2226.8	154.7	18	0.2	2234.7	238.7	3.1	0.2	2244.2	386.1	21	0.2	2251.3	525.8	3.0	0.3	3
4	2227.1	157.4	17	0.2	2235.1	243.7	3.1	0.2	2244.5	391.5	3.1	0.2	2251.6	532.3	3.0	0.3	4
5	2227.4	160.1	16	0.4	2235.6	250.3	3.1	0.2	2244.8	396.9	2.9	0.2	2251.8	536.6	2.7	0.3	5
6	2227.6	162.0	15	0.2	2236.0	255.5	3.1	0.2	2245.0	400.5	22	0.2	2252.0	540.9	2.5	0.3	6
7	2227.9	164.7	14	0.2	2236.5	262.4	3.1	0.2	2245.2	404.2	22	0.2	2252.2	545.3	2.3	0.3	7
8	2228.2	167.5	13	0.2	2236.9	267.8	3.1	0.2	2245.4	407.9	21	0.2	2252.4	549.7	2.3	0.3	8
9	2228.4	169.4	12	0.2	2237.3	273.6	3.1	0.2	2245.6	411.7	21	0.2	2252.5	551.9	2.2	0.3	9
10	2228.6	171.4	12	0.2	2237.7	279.4	2.9	0.2	2245.8	415.4	19	0.2	2252.6	554.1	2.2	0.3	10
11	2228.9	174.2	13	0.2	2238.1	285.2	2.9	0.2	2245.9	417.2	19	0.2	2252.8	558.5	2.2	0.3	11
12	2229.1	176.2	13	0.2	2238.4	289.8	2.9	0.2	2246.1	421.0	19	0.2	2253.0	562.9	2.2	0.3	12
13	2229.3	178.2	13	0.2	2238.7	294.3	2.9	0.2	2246.2	422.9	18	0.2	2253.1	565.2	2.2	0.3	13
14	2229.5	180.2	13	0.2	2239.0	298.9	2.9	0.2	2246.4	426.7	18	0.2	2253.3	569.7	2.2	0.3	14
15	2229.7	182.2	13	0.2	2239.3	303.6	2.9	0.2	2246.5	428.6	17	0.2	2253.5	574.2	2.2	0.3	15
16	2229.9	184.2	13	0.2	2239.7	310.0	2.9	0.2	2246.7	432.4	17	0.2	2253.6	576.4	2.2	0.3	16
17	2230.1	186.2	12	0.2	2240.1	316.3	2.8	0.2	2246.8	434.3	16	0.2	2253.7	578.7	2.2	0.3	17
18	2230.3	188.3	12	0.2	2240.4	321.2	2.8	0.2	2246.9	436.2	16	0.2	2253.9	583.2	1.7	0.3	18
19	2230.5	190.4	12	0.2	2240.7	326.1	2.8	0.2	2247.1	440.1	16	0.2	2254.0	585.4	1.6	0.3	19
20	2230.6	191.4	12	0.2	2241.0	331.0	2.8	0.2	2247.3	444.0	17	0.2	2254.0	585.4	1.6	0.3	20
21	2230.8	193.4	12	0.2	2241.3	336.0	2.7	0.2	2247.4	445.9	17	0.2	2254.1	587.7	1.4	0.3	21
22	2231.1	196.6	18	0.2	2241.5	339.4	2.7	0.2	2247.5	447.9	17	0.2	2254.2	590.0	1.4	0.3	22
23	2231.4	199.9	18	0.2	2241.8	344.4	2.7	0.2	2247.7	451.8	17	0.2	2254.3	592.3	1.4	0.3	23
24	2231.7	203.2	19	0.2	2242.0	347.7	2.6	0.2	2247.8	453.8	17	0.3	2254.4	594.6	1.4	0.3	24
25	2232.0	206.5	19	0.2	2242.3	352.9	2.6	0.2	2248.3	463.7	5.3	0.3	2254.5	596.9	1.4	0.3	25
26	2232.4	211.1	25	0.2	2242.5	356.3	2.3	0.2	2248.6	469.7	3.4	0.3	2254.6	599.1	1.4	0.3	26
27	2232.7	214.5	19	0.2	2242.7	359.7	2.3	0.2	2248.8	473.7	2.4	0.3	2254.6	599.1	1.4	0.3	27
28	2233.2	220.3	31	0.2	2243.0	364.9	2.3	0.2	2249.3	483.9	5.6	0.3	2254.6	599.1	1.4	0.3	28
29					2243.2	368.4	2.1	0.2	2250.2	502.5	9.6	0.3	2254.7	601.4	1.4	0.3	29
30					2243.4	371.9	2.1	0.2	2250.6	510.9	4.8	0.3	2254.7	601.4	1.4	0.3	30
31					2243.6	375.5	2.0	0.2					2254.8	603.7	1.4	0.3	31
TOTAL			446	5.8			86.8	6.2			77.9	6.7			62.5	9.3	
Inf. Ac. Ft.			885				1722				1545				1240		7345
Outf. Ac. Ft.			115 + (1.0)				123 + (4.8)				133 + (5.8)				184 + (12.7)		232.1 + (25.3)
Maximum Mean Daily Inflow			31				3.8				9.6				3.6		9.6
Minimum Mean Daily Inflow			12				2.0				1.6				1.4		0.3
Storage Change		+760				+1552				+1354				+928			+4771

NOTE: Gage Heights and Storages as of Midnight on Day Shown

¾ Year

Max. W. S. Elev.	2255.8	feet on 7-14 to 8-13-51	Storage	627.	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS ckd. Date
Min. W. S. Elev.	2202.0 *	feet on 11-7-13-5.	Storage	49.1 *	Acre Feet	E. K. DEVORE	Dam Tender	Gage Hts. copied APK 6-20-51
Max. Peak Inf.	24.5	C.F.S. from 6:00 AM on 4-29-51	to 7:00 AM	on 4-29-51		G. H. MIDDLETON	Hydrographer	Storage applied APK
Max. Peak Outf.	13.6	C.F.S. from 9:00 AM on 9-6-51	to 12:35 PM	on 9-6-51			Hydrographer	Inf. & Outf. comp. APK

REMARKS * Reservoir Gage Heights shown. Storage includes pit.
( ) Indicates evaporation loss.
Outflows as per Station F209-R and Valve Operation Records.

F. C. Dist. Form 66C Revised 500 11/44

Daily Gage Height in feet and Operation Record of SAN GABRIEL NO. 2 Dam

In San Gabriel Canyon - West Fork for the Year Ending September 30, 1951

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder Pressure

Drainage Area 39.2 Square Miles. Capacity of Reservoir 10,634.3 Ac. Ft. at Spillway Elev. 2385.0 Ft. as of Jan. & Sept. 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	2254.8	603.7	11	0.3	2255.6	622.3	0.7	0.3	2255.8	626.9	0.5	0.2	2255.6	622.3	0.3	0.2	1
2	2254.8	603.7	11	0.3	2255.6	622.3	0.7	0.2	2255.8	626.9	0.5	0.2	2255.6	622.3	0.3	0.2	2
3	2254.9	606.0	10	0.3	2255.6	622.3	0.7	0.2	2255.8	626.9	0.6	0.3	2255.6	622.3	0.4	0.2	3
4	2254.9	606.0	10	0.3	2255.7	624.6	0.7	0.2	2255.8	626.9	0.5	0.2	2255.6	622.3	0.4	0.2	4
5	2255.0	608.3	10	0.3	2255.7	624.6	0.6	0.2	2255.8	626.9	0.6	0.2	2255.6	622.3	0.4	0.2	5
6	2255.0	608.3	10	0.3	2255.7	624.6	0.6	0.2	2255.8	626.9	0.6	0.2	2255.1	610.6	0.4	5.0	6
7	2255.0	608.3	10	0.3	2255.7	624.6	0.6	0.2	2255.8	626.9	0.6	0.2	2254.7	601.4	0.4	4.7	7
8	2255.1	610.6	10	0.3	2255.7	624.6	0.6	0.2	2255.8	626.9	0.6	0.2	2254.4	594.6	0.4	4.7	8
9	2255.1	610.6	10	0.3	2255.7	624.6	0.6	0.2	2255.8	626.9	0.5	0.2	2254.0	585.4	0.4	4.4	9
10	2255.2	613.0	09	0.3	2255.7	624.6	0.6	0.2	2255.8	626.9	0.5	0.2	2253.6	576.4	0.4	4.4	10
11	2255.2	613.0	09	0.3	2255.7	624.6	0.6	0.2	2255.8	626.9	0.5	0.2	2252.9	560.7	0.6	8.2	11
12	2255.2	613.0	09	0.3	2255.7	624.6	0.6	0.2	2255.8	626.9	0.5	0.2	2252.0	540.9	0.7	10.6	12
13	2255.2	613.0	09	0.3	2255.7	624.6	0.6	0.2	2255.8	626.9	0.5	0.2	2251.4	527.9	0.7	6.9	13
14	2255.3	615.3	09	0.3	2255.7	624.6	0.6	0.2	2255.7	624.6	0.4	0.2	2251.0	519.3	0.7	5.0	14
15	2255.3	615.3	09	0.3	2255.8	626.9	0.6	0.2	2255.7	624.6	0.4	0.2	2250.6	510.9	0.7	4.7	15
16	2255.3	615.3	09	0.3	2255.8	626.9	0.6	0.2	2255.7	624.6	0.4	0.2	2250.3	504.6	0.7	4.7	16
17	2255.4	617.6	09	0.3	2255.8	626.9	0.6	0.2	2255.7	624.6	0.4	0.2	2249.8	494.2	0.7	4.7	17
18	2255.4	617.6	08	0.3	2255.8	626.9	0.6	0.2	2255.7	624.6	0.4	0.2	2249.5	488.0	0.7	4.4	18
19	2255.4	617.6	08	0.3	2255.8	626.9	0.6	0.2	2255.7	624.6	0.4	0.2	2249.1	479.8	0.7	4.0	19
20	2255.5	620.0	08	0.3	2255.8	626.9	0.6	0.2	2255.7	624.6	0.4	0.2	2248.7	471.7	0.7	4.0	20
21	2255.5	620.0	08	0.3	2255.8	626.9	0.5	0.2	2255.7	624.6	0.4	0.2	2248.4	465.7	0.8	3.8	21
22	2255.5	620.0	08	0.3	2255.8	626.9	0.5	0.2	2255.7	624.6	0.4	0.2	2248.1	459.7	0.8	3.8	22
23	2255.5	620.0	08	0.3	2255.8	626.9	0.5	0.2	2255.7	624.6	0.4	0.2	2247.8	453.8	0.8	3.4	23
24	2255.5	620.0	08	0.3	2255.8	626.9	0.5	0.2	2255.7	624.6	0.4	0.2	2247.4	445.9	0.8	4.6	24
25	2255.5	620.0	07	0.3	2255.8	626.9	0.5	0.2	2255.7	624.6	0.3	0.2	2246.9	436.2	0.8	5.4	25
26	2255.6	622.3	07	0.3	2255.8	626.9	0.5	0.2	2255.7	624.6	0.3	0.2	2246.1	421.0	0.9	7.9	26
27	2255.6	622.3	07	0.3	2255.8	626.9	0.5	0.2	2255.7	624.6	0.3	0.2	2245.2	404.2	0.9	9.8	27
28	2255.6	622.3	07	0.2	2255.8	626.9	0.5	0.2	2255.6	622.3	0.3	0.2	2244.3	387.9	0.9	9.4	28
29	2255.6	622.3	07	0.2	2255.8	626.9	0.5	0.2	2255.6	622.3	0.3	0.2	2243.3	370.2	0.9	9.4	29
30	2255.6	622.3	07	0.3	2255.8	626.9	0.5	0.2	2255.6	622.3	0.3	0.2	2242.3	352.9	1.0	9.1	30
31					2255.8	626.9	0.4	0.2	2255.6	622.3	0.3	0.2					31
TOTAL			262	8.8			178	6.3			135	6.3			193	148.0	
Inf. Ac. Ft.			520				353				268				383	886.9	
Outf. Ac. Ft.			175 + (15.9)				125 + (18.2)				125 + (18.8)				293.6 + (14.1)		568.2 + (92.3)
Maximum Mean Daily Inflow			11				0.7				0.6				1.0		9.6
Minimum Mean Daily Inflow			0.7				0.4				0.3				0.3		0.3
Storage Change		+186				+46				-46				-269.4			+226.3

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Yearly Totals

Max. W. S. Elev.	2255.8	feet on 7-14 to 8-13-51	Storage	627.	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS ckd. Date
Min. W. S. Elev.	2202.0 *	feet on 11-7-13-50	Storage	49.1 *	Acre Feet	E. K. DEVORE	Dam Tender	Gage Hts. copied APK 11-20-51
Max. Peak Inf.	24.5	C.F.S. from 6:00 AM on 4-29-51	to 7:00 AM	on 4-29-51		G. H. MIDDLETON	Hydrographer	Storage applied APK
Max. Peak Outf.	13.6	C.F.S. from 9:00 AM on 9-6-51	to 12:35 PM	on 9-6-51			Hydrographer	Inf. & Outf. comp. APK

REMARKS * Reservoir Gage Height shown. Storage includes pit.
( ) Indicates evaporation loss.
[Indicates average for period.

F. C. Dist. Form 86A Revised 500 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAN GABRIEL NO. I Dam

In San Gabriel Canyon for the Year Ending September 30, 19 50.

Continuous Water Stage Recorder Au

Drainage Area 202.7 Square Miles. Capacity of Reservoir 43825. Ac. Ft. at Spillway Elev. 1453.0 Ft. as of November, 1948 Survey. Gage Heights Read Daily

OCTOBER

Day	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow
1	1332.60	3978	11.9	34.7
2	1332.23	3925	9.5	34.7
3	1331.90	3878	12.3	34.7
4	1331.57	3832	12.5	34.7
5	1331.22	3784	11.2	34.7
6	1330.87	3735	10.7	34.7
7	1330.54	3690	13.1	34.8
8	1330.20	3644	13.7	35.1
9	1329.83	3594	11.5	35.1
10	1329.47	3547	12.8	35.1
11	1329.12	3500	13.0	35.1
12	1328.76	3453	12.7	35.1
13	1328.39	3405	11.8	35.1
14	1328.01	3355	10.7	35.1
15	1327.63	3306	11.2	35.1
16	1327.27	3260	12.3	35.1
17	1326.94	3217	13.9	35.1
18	1326.60	3175	15.0	35.1
19	1326.24	3129	13.3	35.1
20	1325.89	3086	14.6	35.1
21	1325.53	3042	13.8	35.1
22	1325.17	2998	14.2	35.1
23	1324.80	2953	13.7	35.1
24	1324.42	2908	13.6	35.1
25	1324.04	2863	13.8	35.1
26	1323.65	2818	13.5	35.1
27	1323.26	2773	13.1	34.7
28	1322.87	2729	13.7	34.7
29	1322.47	2684	13.1	34.7
30	1322.05	2638	12.6	34.7
31	1321.62	2591	12.2	34.7
TOTAL			395.0	1083.4
Inf. Ac. Ft.		783.4		
Outf. Ac. Ft.		2148.8 + (69.6)		
Maximum Mean Daily Inflow		15.0		
Minimum Mean Daily Inflow		9.5		
Storage Change	-1435			

NOVEMBER

Day	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow
1	1321.18	2544	12.3	35.0
2	1320.74	2498	13.0	35.1
3	1320.28	2451	12.4	35.1
4	1319.83	2405	12.9	35.1
5	1319.36	2358	12.4	35.1
6	1318.89	2311	12.2	35.1
7	1318.44	2268	13.8	35.1
8	1317.99	2225	13.7	35.1
9	1317.80	2207	25.6	34.7
10	1319.67	2389	126.5	34.7
11	1320.13	2435	58.6	35.1
12	1320.21	2444	40.4	35.1
13	1320.16	2438	33.0	35.1
14	1320.00	2422	27.8	35.1
15	1319.66	2388	25.5	41.7
16	1319.10	2332	24.2	51.7
17	1318.43	2267	23.0	55.1
18	1317.73	2201	22.5	55.1
19	1316.98	2131	20.3	55.1
20	1316.22	2064	21.8	55.1
21	1315.43	1995	20.8	55.1
22	1314.65	1929	22.4	55.1
23	1313.83	1860	21.0	55.1
24	1313.12	1803	21.2	49.5
25	1312.46	1751	21.2	47.0
26	1311.77	1698	20.7	47.0
27	1311.08	1645	20.6	47.0
28	1310.37	1593	21.0	47.0
29	1309.70	1545	20.0	43.7
30	1309.12	1504	20.2	40.4
31				
TOTAL			761.0	1291.2
Inf. Ac. Ft.		1509.4		
Outf. Ac. Ft.		2561.1 + (35.1)		
Maximum Mean Daily Inflow		126.5		
Minimum Mean Daily Inflow		12.2		
Storage Change	-1087			

DECEMBER

Day	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow
1	1308.29	1446	18.2	46.9
2	1307.38	1385	20.4	50.8
3	1306.38	1320	18.5	50.8
4	1305.33	1254	18.1	50.8
5	1301.98	1058	19.2	117.8
6	1302.01	1060	20.8	19.6
7	1301.99	1058	19.6	20.5
8	1302.20	1070	26.6	20.5
9	1302.29	1075	23.2	20.6
10	1302.30	1076	21.2	20.5
11	1302.29	1075	20.4	20.5
12	1302.28	1075	20.8	20.5
13	1302.25	1073	19.7	20.5
14	1302.22	1072	20.2	20.5
15	1302.20	1070	19.6	20.5
16	1302.18	1069	20.2	20.5
17	1302.16	1068	20.0	20.5
18	1306.31	1316	145.5	20.5
19	1312.34	1742	265.8	50.8
20	1313.15	1805	112.3	80.2
21	1313.08	1799	77.4	80.2
22	1313.03	1795	61.1	62.8
23	1313.37	1823	54.3	39.9
24	1313.59	1841	49.2	39.9
25	1313.72	1851	45.2	39.9
26	1313.80	1858	43.9	39.9
27	1313.84	1861	41.9	39.9
28	1313.83	1860	39.9	39.9
29	1313.81	1859	39.9	39.9
30	1313.74	1853	37.4	39.9
31	1313.66	1846	36.6	39.9
TOTAL			1397.1	1215.9
Inf. Ac. Ft.		2771.1		
Outf. Ac. Ft.		2411.7 + (17.5)		
Maximum Mean Daily Inflow		265.8		
Minimum Mean Daily Inflow		18.1		
Storage Change	+342			

JANUARY

Day	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow
1	1313.55	1838	36.1	39.9
2	1313.45	1829	35.4	39.9
3	1313.33	1820	35.7	39.9
4	1313.19	1808	34.1	39.9
5	1313.04	1796	34.3	39.9
6	1312.86	1782	33.1	39.9
7	1312.68	1768	33.2	39.9
8	1313.20	1809	60.5	39.9
9	1314.29	1898	85.0	39.9
10	1314.05	1878	53.7	63.6
11	1314.52	1918	68.8	48.6
12	1314.57	1922	71.4	69.2
13	1314.60	1924	56.6	55.4
14	1314.88	1948	52.6	40.4
15	1315.10	1967	50.2	40.4
16	1315.41	1993	45.8	32.5
17	1315.78	2025	44.6	28.4
18	1315.76	2023	49.4	50.3
19	1315.24	1979	51.5	73.4
20	1315.01	1959	51.4	61.3
21	1315.25	1980	51.2	40.4
22	1315.54	2004	52.7	40.4
23	1315.83	2029	53.1	40.4
24	1316.13	2056	54.3	40.4
25	1316.40	2080	53.1	40.4
26	1316.62	2099	50.5	40.4
27	1316.82	2117	49.6	40.4
28	1317.03	2136	50.1	40.4
29	1317.40	2170	57.8	40.4
30	1317.61	2190	50.6	40.4
31	1317.80	2207	49.0	40.1
TOTAL			1555.4	1366.7
Inf. Ac. Ft.		3085.1		8149.0
Outf. Ac. Ft.		2710.8 + (13.3)		9832.4 + (135.5)
Maximum Mean Daily Inflow		85.0		265.8
Minimum Mean Daily Inflow		33.1		9.5
Storage Change	+361			-1819
				½ Year

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1349.65 feet	on 6-9, 10-50	Storage 6925 Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS ckd. Date
Min. W. S. Elev.	1302.16 feet	on 12-17-49	Storage 1068 Acre Feet	R. H. HARRISON	Dam Tender	Gage Hts. copied CJR APK 5-5-50
Max. Peak Inf.	448. C.F.S. from	12:00 AM on 12-19-49	to 2:00 AM on 12-19-49	G. H. MIDDLETON	Hydrographer	Storage applied CJR APK
Max. Peak Outf.	3150. C.F.S. from	9:34 AM on 12-5-49	to on		Hydrographer	Inf. & Outf. comp. CJR APK

REMARKS ( ) Indicates monthly evaporation loss A. F.

F. C. Dist. Form 86B Revised 500 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAN GABRIEL NO. I Dam

In San Gabriel Canyon for the Year Ending September 30, 19 50.

Continuous Water Stage Recorder Au

Drainage Area 202.7 Square Miles. Capacity of Reservoir 43825. Ac. Ft. at Spillway Elev. 1453.0 Ft. as of November, 19 48 Survey. Gage Heights Read Daily

FEBRUARY

Day	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow
1	1317.94	2220	46.9	39.9
2	1318.02	2228	44.3	39.9
3	1318.10	2236	44.2	39.9
4	1318.14	2239	41.7	39.9
5	1318.21	2246	43.5	39.9
6	1322.33	2669	253.6	40.4
7	1325.20	3001	225.0	57.2
8	1326.37	3146	155.7	82.1
9	1327.50	3290	127.0	54.0
10	1328.84	3463	127.1	39.9
11	1329.84	3596	119.2	51.7
12	1330.47	3681	103.9	60.2
13	1331.07	3763	102.4	60.2
14	1331.53	3827	93.3	60.2
15	1331.91	3879	87.9	60.8
16	1332.25	3928	86.3	60.8
17	1332.54	3969	81.8	60.4
18	1332.79	4005	79.2	60.2
19	1332.99	4034	75.5	60.2
20	1333.25	4071	72.3	53.2
21	1333.66	4131	70.7	39.9
22	1333.95	4173	68.7	46.7
23	1334.10	4195	74.8	63.2
24	1334.20	4210	73.0	64.9
25	1334.26	4219	70.4	64.9
26	1334.30	4225	68.4	64.9
27	1334.36	4234	70.0	64.9
28	1334.37	4235	66.0	64.9
29				
30				
31				
TOTAL			2572.8	1535.3
Inf. Ac. Ft.		5103.1		
Outf. Ac. Ft.		3045.2 + (29.8)		
Maximum Mean Daily Inflow		253.6		
Minimum Mean Daily Inflow		41.7		
Storage Change	+2028.			

MARCH

Day	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow
1	1334.38	4237	66.2	64.9
2	1334.50	4255	67.1	57.5
3	1334.69	4283	65.1	50.2
4	1334.84	4305	62.2	50.2
5	1335.00	4329	63.0	50.2
6	1335.11	4346	59.7	50.2
7	1335.14	4350	53.4	50.2
8	1335.12	4347	49.5	50.2
9	1335.11	4346	50.4	50.2
10	1335.08	4341	48.2	50.2
11	1335.04	4335	47.9	50.2
12	1335.00	4329	48.5	50.2
13	1334.98	4326	44.9	45.1
14	1335.02	4332	43.8	39.9
15	1335.07	4340	44.6	39.9
16	1335.11	4346	43.9	39.9
17	1335.13	4349	41.9	39.9
18	1335.14	4350	41.3	39.9
19	1335.15	4352	41.9	39.9
20	1335.16	4353	41.3	39.9
21	1335.14	4350	39.3	39.9
22	1335.12	4347	39.2	39.9
23	1335.11	4346	40.2	39.9
24	1335.40	4389	61.5	39.9
25	1335.88	4462	77.7	39.9
26	1336.05	4488	53.9	39.9
27	1336.16	4505	49.1	39.9
28	1336.24	4517	47.2	39.9
29	1336.47	4552	43.4	24.7
30	1336.68	4585	43.1	25.3
31	1336.86	4612	39.7	25.3
TOTAL			1559.0	1343.3
Inf. Ac. Ft.		3092.2		
Outf. Ac. Ft.		2664.3 + (51.0)		
Maximum Mean Daily Inflow		77.7		
Minimum Mean Daily Inflow		39.2		
Storage Change	+377.			

APRIL

Day	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow
1	1337.05	4642	41.3	25.3
2	1337.24	4672	41.7	25.3
3	1337.40	4697	38.8	25.3
4	1337.57	4723	39.3	25.3
5	1337.74	4750	39.9	25.3
6	1337.96	4785	44.3	25.3
7	1338.14	4814	40.6	25.3
8	1338.88	4933	85.3	25.3
9	1339.73	5072	96.4	25.3
10	1340.17	5146	63.9	25.3
11	1340.56	5211	59.8	25.3
12	1340.93	5273	58.0	25.3
13	1341.27	5332	56.4	25.7
14	1341.63	5394	61.2	28.4
15	1341.92	5444	57.0	29.7
16	1342.20	5493	56.6	29.7
17	1342.44	5536	53.1	29.7
18	1342.69	5580	53.5	29.7
19	1342.93	5623	52.6	29.7
20	1343.19	5670	54.7	29.7
21	1343.51	5728	59.6	29.7
22	1343.84	5788	60.5	29.7
23	1344.18	5851	62.5	29.7
24	1344.50	5911	61.0	29.7
25	1344.78	5963	56.9	29.7
26	1345.07	6017	57.9	29.7
27	1345.35	6071	58.1	30.1
28	1345.64	6126	58.6	30.1
29	1345.93	6182	59.4	30.1
30	1346.18	6230	55.5	30.1
31				
TOTAL			1684.4	834.5
Inf. Ac. Ft.		3341.0		
Outf. Ac. Ft.		1655.2 + (67.8)		
Maximum Mean Daily Inflow		96.4		
Minimum Mean Daily Inflow		38.8		
Storage Change	+1618.			

MAY

Day	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow
1	1346.41	6275	53.9	30.1
2	1346.63	6318	53.1	30.1
3	1346.86	6364	54.8	30.1
4	1347.04	6399	49.6	30.1
5	1347.22	6435	50.0	30.1
6	1347.39	6469	48.9	30.1
7	1347.54	6498	46.6	30.1
8	1347.68	6526	46.7	30.1
9	1347.80	6550	44.6	30.1
10	1347.91	6572	43.6	30.1
11	1348.01	6592	42.0	30.1
12	1348.12	6614	43.1	30.1
13	1348.23	6636	42.7	30.1
14	1348.33	6657	41.8	30.1
15	1348.43	6677	41.4	30.1
16	1348.52	6695	40.0	30.1
17	1348.63	6717	41.9	30.1
18	1348.76	6744	44.9	30.1
19	1348.84	6760	40.0	30.5
20	1348.91	6774	38.9	30.5
21	1348.97	6786	38.0	30.5
22	1349.03	6798	37.7	30.5
23	1349.09	6810	37.3	30.5
24	1349.16	6825	39.6	30.5
25	1344.23	6839	38.9	30.5
26	1349.28	6849	37.1	30.5
27	1349.32	6858	36.7	30.5
28	1349.36	6866	36.1	30.5
29	1349.39	6872	34.9	30.5
30	1349.40	6874	33.2	30.5
31	1349.41	6876	33.0	30.5
TOTAL			1311.0	938.3
Inf. Ac. Ft.		2600.3		22285.6
Outf. Ac. Ft.		1861.1 + (93.2)		19058.2 + (377.3)
Maximum Mean Daily Inflow		54.8		265.8
Minimum Mean Daily Inflow		33.0		9.5
Storage Change	+646.			+2850.
				⅔ Year

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1349.65 feet	on 6-9, 10-50	Storage 6925 Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS ckd. Date
Min. W. S. Elev.	1302.16 feet	on 12-17-49	Storage 1068 Acre Feet	R. H. HARRISON	Dam Tender	Gage Hts. copied GHM GPB WLT 4-3-51
Max. Peak Inf.	448. C.F.S. from	12:00 AM on 12-19-49	to 2:00 AM on 12-19-49	G. H. MIDDLETON	Hydrographer	Storage applied GHM GPB WLT
Max. Peak Outf.	3150. C.F.S. from	9:34 AM on 12-5-49	to on		Hydrographer	Inf. & Outf. comp. GHM GPB WLT

REMARKS ( ) Indicates monthly evaporation loss A.F.

SAN GABRIEL NO. I (cont'd.)

F. C. Dist. Form 68C Revised 500 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAN GABRIEL NO. I Dam

In San Gabriel Canyon for the Year Ending September 30, 1950

Continuous Water Stage Recorder Au

Drainage Area 202.7 Square Miles. Capacity of Reservoir 43825 Ac. Ft. at Spillway Elev. 1453.0 Ft. as of November, 1948 Survey Gage Heights Read Daily

JUNE

Day	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow
1	1349.42	6878	33.0	30.5
2	1349.47	6888	37.2	30.5
3	1349.50	6895	35.7	30.5
4	1349.52	6899	34.7	30.5
5	1349.55	6905	35.0	30.5
6	1349.58	6911	35.1	30.5
7	1349.62	6919	37.5	30.5
8	1349.63	6921	34.5	30.5
9	1349.64	6923	34.3	30.5
10	1349.63	6921	31.9	30.5
11	1349.63	6921	32.7	30.5
12	1349.63	6921	32.7	30.5
13	1349.62	6919	31.1	30.5
14	1349.62	6919	32.4	30.5
15	1349.63	6921	33.6	30.5
16	1349.63	6921	32.2	30.5
17	1349.63	6921	32.2	30.5
18	1349.62	6919	31.6	30.5
19	1349.60	6915	30.3	30.5
20	1349.58	6911	30.2	30.5
21	1349.54	6903	28.3	30.5
22	1349.50	6895	28.7	31.0
23	1349.15	6823	32.1	66.7
24	1348.66	6723	36.8	85.1
25	1348.15	6620	35.5	85.1
26	1347.90	6570	29.2	51.8
27	1347.80	6550	28.0	35.1
28	1347.68	6526	26.0	35.1
29	1347.55	6500	25.6	35.1
30	1347.41	6473	24.6	35.1
31				

JULY

Day	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow
1	1347.29	6449	25.7	35.1
2	1347.16	6423	24.7	35.1
3	1347.04	6399	25.8	35.1
4	1346.90	6371	24.1	35.1
5	1346.77	6346	24.8	35.1
6	1346.64	6320	24.0	35.1
7	1346.51	6295	24.4	35.1
8	1346.39	6271	24.8	35.1
9	1346.27	6248	25.1	35.1
10	1346.13	6220	23.1	35.1
11	1345.99	6193	23.7	35.1
12	1345.85	6166	23.7	35.1
13	1345.70	6138	22.8	34.7
14	1345.56	6111	23.3	34.8
15	1345.40	6080	21.9	35.1
16	1345.25	6052	23.3	35.1
17	1345.10	6023	23.0	35.1
18	1344.95	5995	23.3	35.1
19	1344.80	5967	23.8	35.1
20	1344.64	5937	22.7	35.1
21	1344.46	5903	20.6	35.1
22	1344.29	5871	21.7	35.1
23	1344.10	5836	19.9	35.1
24	1343.92	5802	20.3	35.1
25	1343.72	5766	19.2	35.1
26	1343.54	5733	20.8	35.1
27	1343.35	5699	21.4	35.4
28	1342.84	5607	25.5	69.6
29	1342.49	5545	23.5	52.3
30	1342.29	5509	19.4	35.4
31	1342.09	5474	19.5	35.1

AUGUST

Day	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow
1	1341.89	5439	19.9	35.1
2	1341.69	5404	20.2	35.1
3	1341.50	5372	21.5	35.1
4	1341.31	5339	21.0	35.1
5	1341.11	5304	21.0	35.1
6	1340.90	5268	20.3	35.1
7	1340.68	5231	19.7	35.1
8	1340.45	5193	19.2	35.1
9	1340.21	5152	17.7	35.1
10	1340.00	5117	20.8	35.1
11	1339.80	5084	21.5	35.1
12	1339.59	5049	19.2	35.1
13	1339.39	5016	20.9	35.1
14	1339.19	4983	21.0	35.1
15	1338.99	4950	21.3	35.1
16	1338.79	4918	21.8	35.1
17	1338.57	4883	19.9	35.1
18	1338.35	4847	19.4	35.1
19	1338.13	4812	19.8	35.1
20	1337.91	4777	19.7	35.1
21	1337.70	4744	20.0	34.7
22	1337.49	4711	19.8	34.7
23	1337.28	4678	20.1	34.7
24	1337.07	4645	19.9	34.7
25	1336.81	4605	16.4	34.7
26	1336.56	4566	16.7	34.7
27	1336.29	4525	15.5	34.7
28	1336.01	4482	15.1	34.7
29	1335.73	4439	15.2	34.7
30	1335.43	4394	13.8	34.7
31	1335.14	4350	14.0	34.7

SEPTEMBER

Day	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow
1	1334.88	4311	16.8	34.7
2	1334.60	4269	15.4	34.7
3	1334.32	4228	15.9	34.7
4	1334.07	4186	15.3	34.7
5	1333.78	4148	16.9	34.8
6	1333.51	4109	16.2	35.1
7	1333.31	4080	21.8	35.1
8	1333.08	4047	19.6	35.1
9	1332.84	4012	19.3	35.1
10	1332.59	3976	18.6	35.1
11	1332.34	3941	19.2	35.1
12	1332.09	3905	18.6	35.1
13	1331.83	3868	18.0	35.1
14	1331.56	3831	17.9	35.1
15	1331.31	3796	18.5	35.1
16	1331.09	3766	21.0	35.1
17	1330.87	3735	20.5	35.1
18	1330.63	3703	20.7	35.1
19	1330.38	3669	19.8	35.1
20	1330.10	3631	17.9	35.1
21	1329.79	3589	15.8	35.1
22	1329.48	3548	16.2	35.1
23	1329.15	3504	14.3	35.1
24	1328.80	3458	13.2	35.1
25	1328.47	3415	14.7	35.1
26	1328.14	3372	14.8	35.1
27	1327.80	3328	14.2	35.1
28	1327.44	3282	13.5	35.1
29	1327.09	3237	13.3	35.1
30	1326.77	3196	15.8	35.1
31				

	June	July	August	September	Yearly Totals
TOTAL	962.7	709.8	592.3	513.7	
Inf. Ac. Ft.	1909.5	1407.9	1174.8	1018.9	27796.7
Outf. Ac. Ft.	2133.0 + (129.5)	2260.6 + (146.4)	2149.5 + (149.4)	2084.8 + (88.1)	27736.1 + (890.7)
Maximum Mean Daily Inflow	37.5	25.8	21.8	21.8	265.8
Minimum Mean Daily Inflow	24.6	19.2	13.8	13.2	9.5
Storage Change	-403	-999	-1124	-1154	-830

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1349.65	feet	on 6-9, 10-50	Storage	6925	Acre Feet	
Min. W. S. Elev.	1302.16	feet	on 12-17-49	Storage	1068	Acre Feet	
Max. Peak Inf.	448.	C.F.S. from 12:00 AM	on 12-19-49	to 2:00 AM		on 12-19-49	
Max. Peak Outf.	3150	C.F.S. from 9:34 AM	on 12-5-49	to		on	

REMARKS ( ) Indicates monthly evaporation loss A. F.

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
R. H. HARRISON	Dam Tender	Gage Hts. copied	GHM GPB WLT	4-4-51
G. H. MIDDLETON	Hydrographer	Storage applied	GHM GPB WLT	
	Hydrographer	Inf. & Outf. comp.	GHM GPB WLT	

F. C. Dist. Form 68A Revised 500 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAN GABRIEL NO. I Dam

In San Gabriel Canyon for the Year Ending September 30, 19 51

Continuous Water Stage Recorder Au

Drainage Area 202.7 Square Miles. Capacity of Reservoir 43,825 Ac. Ft. at Spillway Elev. 1453.0 Ft. as of November, 1948 Survey Gage Heights Read Daily

OCTOBER

Day	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow
1	1326.42	3152	14.5	35.1
2	1326.06	3107	14.2	35.1
3	1325.69	3061	13.7	35.1
4	1325.30	3014	12.8	34.7
5	1324.92	2967	12.2	34.7
6	1324.57	2926	15.0	34.7
7	1324.19	2881	12.7	34.2
8	1323.77	2832	10.7	34.2
9	1323.36	2784	11.3	34.2
10	1322.92	2734	10.3	34.2
11	1322.49	2686	11.4	34.2
12	1322.02	2634	9.6	34.2
13	1321.52	2581	9.6	35.1
14	1321.03	2528	10.0	35.6
15	1320.53	2477	11.1	35.6
16	1320.02	2424	10.2	35.6
17	1319.51	2373	10.6	35.1
18	1319.00	2322	10.6	35.1
19	1318.50	2274	12.1	35.1
20	1317.97	2223	10.1	35.1
21	1317.45	2175	11.5	35.1
22	1316.93	2127	11.5	35.1
23	1316.41	2080	12.2	35.1
24	1315.86	2032	11.5	35.1
25	1315.30	1984	11.5	35.1
26	1314.76	1938	11.9	34.7
27	1314.24	1894	13.1	35.0
28	1313.68	1848	12.4	35.1
29	1313.08	1799	10.9	35.1
30	1312.46	1751	11.2	35.1
31	1311.83	1702	10.9	35.1
TOTAL			361.3	1082.5

NOVEMBER

Day	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow
1	1311.18	1653	11.1	35.1
2	1310.50	1603	11.0	35.1
3	1309.79	1551	9.1	34.7
4	1309.03	1497	8.0	34.7
5	1308.29	1446	9.7	34.7
6	1307.47	1391	8.2	35.3
7	1306.61	1335	8.0	35.6
8	1305.78	1282	8.9	35.1
9	1304.88	1227	8.1	35.1
10	1303.95	1171	7.6	35.1
11	1302.98	1115	7.1	34.7
12	1302.64	1095	8.8	18.5
13	1302.95	1113	19.1	10.1
14	1303.37	1137	22.5	10.1
15	1303.60	1151	17.5	10.1
16	1303.63	1153	15.5	14.2
17	1303.58	1150	14.6	15.9
18	1303.54	1147	14.4	15.9
19	1303.51	1146	17.0	17.5
20	1303.30	1133	13.6	20.1
21	1303.07	1120	13.8	20.1
22	1302.80	1105	13.1	20.1
23	1302.52	1089	12.4	20.1
24	1302.49	1087	14.3	14.9
25	1302.52	1089	13.7	12.3
26	1302.60	1093	14.7	12.3
27	1302.66	1097	14.7	12.3
28	1302.71	1099	13.7	12.3
29	1302.79	1104	15.1	12.3
30	1302.83	1106	13.4	12.3
31				
TOTAL			378.7	666.6

DECEMBER

Day	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow
1	1302.69	1098	13.7	17.5
2	1302.40	1082	11.7	19.7
3	1302.12	1066	11.7	19.7
4	1301.88	1053	13.4	19.7
5	1301.80	1048	13.3	15.4
6	1301.83	1050	14.5	13.2
7	1301.93	1055	14.5	11.7
8	1302.10	1065	15.4	10.1
9	1302.28	1075	15.7	10.1
10	1302.46	1085	15.6	10.1
11	1302.62	1094	15.0	10.1
12	1302.78	1103	14.9	10.1
13	1302.93	1112	14.8	10.1
14	1303.09	1121	14.7	10.1
15	1303.29	1133	16.4	10.1
16	1303.45	1142	15.0	10.1
17	1303.62	1152	15.5	10.1
18	1303.70	1157	14.3	11.5
19	1303.71	1157	14.3	13.9
20	1303.73	1158	14.8	13.9
21	1303.74	1159	14.8	14.0
22	1303.72	1158	14.2	14.3
23	1303.68	1155	13.2	14.3
24	1303.66	1154	14.3	14.3
25	1303.64	1153	14.1	14.3
26	1303.63	1153	14.5	14.3
27	1303.62	1152	14.1	14.3
28	1303.62	1152	14.6	14.3
29	1303.61	1151	14.2	14.3
30	1303.60	1151	14.5	14.3
31	1303.59	1150	14.3	14.3
TOTAL			446.0	414.2

JANUARY

Day	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow
1	1303.57	1149	14.2	14.3
2	1303.56	1148	13.5	13.9
3	1303.56	1148	14.0	13.9
4	1303.59	1150	15.0	13.9
5	1303.61	1151	14.6	13.9
6	1303.64	1153	15.1	13.9
7	1303.67	1155	15.3	13.9
8	1303.69	1156	14.8	13.9
9	1303.71	1157	14.7	13.9
10	1303.87	1166	18.5	13.9
11	1304.38	1197	29.5	13.9
12	1304.76	1220	25.8	13.9
13	1304.96	1232	20.1	13.9
14	1305.10	1240	18.3	13.9
15	1305.22	1248	18.1	13.9
16	1305.39	1258	19.1	13.9
17	1305.50	1265	17.7	13.9
18	1305.69	1277	19.9	13.9
19	1306.00	1296	23.6	13.9
20	1306.13	1304	18.1	13.9
21	1306.29	1315	19.7	13.9
22	1306.40	1322	17.6	13.9
23	1306.50	1328	17.1	13.9
24	1306.60	1334	17.4	13.9
25	1306.70	1341	17.8	13.9
26	1306.80	1347	17.1	13.9
27	1306.89	1353	17.0	13.9
28	1306.98	1359	17.1	13.9
29	1307.56	1397	33.3	14.2
30	1308.04	1429	30.6	14.3
31	1308.37	1452	26.4	14.3
TOTAL			591.0	432.4

	October	November	December	January	½ Year
Inf. Ac. Ft.	716.6	751.1	884.6	1172.2	3524.5
Outf. Ac. Ft.	2147.1 + (63.5)	1322.2 + (25.0)	821.6 + (19.0)	857.7 + (12.5)	5148.6 + (120.0)
Maximum Mean Daily Inflow	15.0	22.5	16.4	33.3	33.3
Minimum Mean Daily Inflow	9.6	7.1	11.7	13.5	7.1
Storage Change	-1494	-596	+ 44.0	+ 302	-1744

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1326.77	feet	on 10-1-50	Storage	3196.	Acre Feet	
Min. W. S. Elev.		feet	on After May 1951	Storage	0	Acre Feet	
Max. Peak Inf.	174.	C.F.S. from 3:15 PM	on 1-11-51	to 3:45 PM		on 1-11-51	
Max. Peak Outf.	211.	C.F.S. from 8:00 AM	on 4-20-51	to 12:00 Midnight		on 4-20-51	

REMARKS () Indicates evaporation and percolation losses.

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
R. H. HARRISON	Dam Tender	Gage Hts. copied	APK	6-14-51
G. H. MIDDLETON	Hydrographer	Storage applied	APK	
	Hydrographer	Inf. & Outf. comp.	APK	

F. C. Dist. Form 66B Revised 500 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAN GABRIEL NO. 1 Dam

In San Gabriel Canyon for the Year Ending September 30, 1951
~~Or~~

Continuous Water Stage Recorder Au

Drainage Area 202.7 Square Miles. Capacity of Reservoir 43,825 Ac. Ft. at Spillway Elev. 1453.0 Ft. as of November, 1948 Survey Gage Heights Read Daily

Day	FEBRUARY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	MARCH Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	APRIL Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	MAY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Day
1	1308.62	1469	232	143	1312.47	1752	326	139	1313.42	1827	193	209	1287.48	**441	351	937	1
2	1308.84	1484	221	143	1312.83	1780	284	139	1313.36	1822	190	209	1285.40	3873	331	605	2
3	1309.04	1498	216	143	1313.10	1801	250	139	1313.32	1819	195	209	1284.81	3722	308	382	3
4	1309.21	1510	206	143	1313.32	1819	233	139	1313.41	1826	245	209	1284.71	3696	290	301	4
5	1309.37	1521	201	143	1313.55	1838	241	143	1313.49	1833	246	209	1284.77	3712	280	270	5
6	1309.52	1532	201	143	1313.75	1854	226	143	1313.50	1834	215	209	1284.88	3740	271	255	6
7	1309.65	1541	191	143	1313.96	1871	232	143	1313.49	1833	209	209	1285.00	3770	266	249	7
8	1309.78	1550	191	143	1314.18	1889	232	138	1313.47	1831	203	209	1285.10	3796	253	237	8
9	1309.90	1559	192	143	1314.43	1910	244	136	1313.37	1823	192	227	1285.18	3816	243	231	9
10	1310.01	1567	187	143	1314.67	1930	242	136	1313.20	1809	183	249	1285.24	3832	226	217	10
11	1310.11	1574	179	143	1314.87	1947	229	136	1313.02	1795	186	249	1285.31	3850	219	209	11
12	1310.22	1582	186	143	1315.00	1958	234	170	1312.82	1779	178	249	1285.40	3873	216	203	12
13	1310.32	1589	185	143	1314.82	1943	233	300	1312.61	1763	175	249	1285.49	3896	211	197	13
14	1310.40	1595	178	143	1314.21	1892	252	501	1312.40	1746	168	249	1285.59	3920	231	217	14
15	1310.47	1600	173	143	1313.08	1799	241	702	1312.19	1730	174	249	1285.66	3940	212	200	15
16	1310.53	1605	175	146	1312.51	1755	252	471	1311.98	1713	164	245	1285.36	3863	202	239	16
17	1310.60	1610	176	146	1312.72	1771	225	139	1311.88	1706	174	203	1284.40	3618	194	315	17
18	1310.67	1615	175	146	1312.92	1787	230	139	1311.83	1702	165	182	1283.24	3328	188	332	18
19	1310.72	1619	171	146	1313.10	1801	219	139	1311.81	1701	180	182	1282.16	3064	187	318	19
20	1310.77	1622	167	146	1313.27	1815	218	139	1308.50	1461	254	146.2	1281.20	2835	180	294	20
21	1310.82	1626	169	146	1313.44	1829	218	139	1302.15	*1095	240	208.2	1280.34	2635	179	279	21
22	1310.92	1633	184	146	1313.60	1842	211	139	1298.43	940	229	100.9	1279.60	2465	178	261	22
23	1311.08	1645	204	141	1313.74	1853	202	139	1296.27	863	216	60.2	1279.02	2333	176	241	23
24	1311.21	1655	192	139	1313.75	1854	201	186	1293.95	787	203	58.5	1278.81	2285	168	190	24
25	1311.32	1663	165	139	1313.70	1850	195	209	1292.97	744	272	48.7	1277.70	2037	155	277	25
26	1311.51	1678	214	139	1313.66	1846	192	209	1292.18	*7145	246	39.4	1275.37	1533	152	403	26
27	1311.80	1700	252	139	1313.62	1843	199	209	1292.13	**6915	261	37.5	1272.68	1001	145	412	27
28	1312.00	1715	217	139	1313.58	1840	199	209	1292.22	5720	345	33.2	1269.68	"	143	352	28
29					1313.53	1836	194	209	1292.29	5740	535	52.4	1268.27	"	138	207	29
30					1313.50	1834	204	209	1291.73	**5582	406	48.4	1268.66	"	137	137	30
31					1313.48	1832	207	209					1267.98	** 0 L	142	184	31
TOTAL			5420	4003			7065	6297			6844	12541			6572	9151	
Inf. Ac. Ft.			10750				14013				13575				13035	86618	
Outf. Ac. Ft.			7940 + (180)				12490 + (353)				24875 + (218)				18151 + (113)	[11494.2 + (206.4)	
Maximum Mean Daily Inflow			252				326				535				351	535	
Minimum Mean Daily Inflow			167				192				164				137	71	
Storage Change		+ 263.				+ 117				- 11518				- 5228 ±		L - 3196	

NOTE: Gage Heights and Storages as of Midnight on Day Shown — ½ Year

Max. W. S. Elev.	1326.77	feet	on 10-1-50	Storage	3196.	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.		feet	on After May 1951	Storage	0	Acre Feet	R. H. HARRISON	Dam Tender	Gage Hts. copied	
Max. Peak Inf.	174.	C.F.S. from 3:15 PM	on 1-11-51	to 3:45 PM	on 1-11-51		G. H. MIDDLETON	Hydrographer	Storage applied	
Max. Peak Outf.	211.	C.F.S. from 8:00 AM	on 4-20-51	to 12:00 Midnight	on 4-20-51			Hydrographer	Inf. & Outf. comp.	

REMARKS * Storage computed volumetrically.
** Sump Gage Height only; reservoir dry.
L = Loss due to debris in Reservoir. Total loss = 167.± A.F.

F. C. Dist. Form 66C Revised 500 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAN GABRIEL NO. 1 Dam

In San Gabriel Canyon for the Year Ending September 30, 1951
~~Or~~

Continuous Water Stage Recorder Au

Drainage Area 202.7 Square Miles. Capacity of Reservoir 43,825 Ac. Ft. at Spillway Elev. 1453.0 Ft. as of November, 1948 Survey Gage Heights Read Daily

Day	JUNE Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	JULY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	AUGUST Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	SEPTEMBER Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Day
1			132	132			61	61			37	37			42	42	1
2			125	125			62	62			37	37			42	42	2
3			120	120			61	61			37	37			42	42	3
4			122	122			61	61			36	36			41	41	4
5			127	127			59	59			35	35			40	40	5
6			136	136			56	56			34	34			37	37	6
7			138	138			50	50			33	33			36	36	7
8			138	138			47	47			33	33			35	35	8
9			133	133			47	47			35	35			34	34	9
10			119	119			49	49			35	35			58	58	10
11			115	115			52	52			36	36			76	76	11
12			109	109			53	53			36	36			110	110	12
13			103	103			52	52			37	37			110	110	13
14			100	100			47	47			36	36			73	73	14
15			98	98			42	42			34	34			71	71	15
16			95	95			41	41			32	32			69	69	16
17			96	96			43	43			32	32			68	68	17
18			94	94			42	42			33	33			63	63	18
19			94	94			44	44			33	33			59	59	19
20			93	93			44	44			32	32			63	63	20
21			95	95			44	44			32	32			62	62	21
22			93	93			44	44			32	32			59	59	22
23			88	88			43	43			32	32			57	57	23
24			84	84			42	42			33	33			57	57	24
25			84	84			41	41			33	33			70	70	25
26			80	80			41	41			31	31			75	75	26
27			73	73			40	40			30	30			105	105	27
28			67	67			40	40			33	33			112	112	28
29			65	65			40	40			39	39			111	111	29
30			63	63			38	38			41	41			111	111	30
31							37	37			42	42					31
TOTAL			3079	3079			1463	1463			1071	1071			1988	1988	
Inf. Ac. Ft.			6107				2902				2124				3943	101694	
Outf. Ac. Ft.			6107 + (0)				2902 + (0)				2124 + (0)				3943 + (0)	[3001.8 + (206.4)	
Maximum Mean Daily Inflow			138				62				42				112	535	
Minimum Mean Daily Inflow			63				37				30				34	30	
Storage Change			0				0				0				0	- 3196	

NOTE: Gage Heights and Storages as of Midnight on Day Shown — Yearly Totals

Max. W. S. Elev.	1326.77	feet	on 10-1-50	Storage	3196.	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.		feet	on After May 1951	Storage	0	Acre Feet	R. H. HARRISON	Dam Tender	Gage Hts. copied	WLT 10-18-51
Max. Peak Inf.	174.	C.F.S. from 3:15 PM	on 1-11-51	to 3:45 PM	on 1-11-51		G. H. MIDDLETON	Hydrographer	Storage applied	WLT
Max. Peak Outf.	211.	C.F.S. from 8:00 AM	on 4-20-51	to 12:00 Midnight	on 4-20-51			Hydrographer	Inf. & Outf. comp.	WLT

REMARKS Inflows from Stations P3-R and P4-R. APK 11-21-51

BIG DALTON

F. C. Dist. Form 68A Revised 500 11/44

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, 1950

Continuous Water Stage Recorder Au

Drainage Area 4.5 Square Miles. Capacity of Reservoir 951.6 Ac. Ft. at Spillway Elev. 1706.0 Ft. as of October, 1944. Survey Gage Heights Read Daily

Day	OCTOBER Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	NOVEMBER Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	DECEMBER Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	JANUARY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Day
1	1626.3	23.5	0.1	0	1627.3	25.8	0.05	0	1628.3	28.3	0	0	1630.6	34.6	0.1	0	1
2	1626.3	23.5	0.05	0	1627.4	26.0	0.05	0	1628.3	28.3	0	0	1630.7	34.9	0.1	0	2
3	1626.4	23.7	0.05	0	1627.4	26.0	0	0	1628.3	28.3	0	0	1630.7	34.9	0.1	0	3
4	1626.5	23.9	0.05	0	1627.4	26.0	0	0	1628.3	28.3	0	0	1630.8	35.2	0.1	0	4
5	1626.5	23.9	0.05	0	1627.4	26.0	0	0	1628.3	28.3	0	0	1630.8	35.2	0.1	0	5
6	1626.6	24.1	0.1	0	1627.4	26.0	0	0	1628.3	28.3	0	0	1630.9	35.5	0.1	0	6
7	1626.7	24.3	0.05	0	1627.4	26.0	0	0	1628.4	28.5	0.1	0	1631.0	35.8	0.1	0	7
8	1626.7	24.3	0.05	0	1627.4	26.0	0	0	1628.4	28.5	0.1	0	1631.1	36.1	0.1	0	8
9	1626.8	24.6	0.05	0	1627.6	26.5	0.2	0	1628.4	28.5	0	0	1631.2	36.4	0.1	0	9
10	1626.8	24.6	0.05	0	1628.0	27.5	0.5	0	1628.4	28.5	0	0	1631.2	36.4	0.1	0	10
11	1626.8	24.6	0.05	0	1628.0	27.5	0.04	0	1628.4	28.5	0	0	1631.4	37.0	0.2	0	11
12	1626.9	24.8	0.05	0	1628.0	27.5	0.04	0	1628.4	28.5	0	0	1631.5	37.4	0.2	0	12
13	1626.9	24.8	0.05	0	1628.0	27.5	0.04	0	1628.4	28.5	0	0	1631.6	37.7	0.2	0	13
14	1627.0	25.0	0.05	0	1628.0	27.5	0.04	0	1628.4	28.5	0	0	1631.7	38.0	0.2	0	14
15	1627.0	25.0	0.05	0	1628.0	27.5	0.04	0	1628.4	28.5	0	0	1631.9	38.6	0.2	0	15
16	1627.1	25.2	0.05	0	1628.1	27.8	0.04	0	1628.4	28.5	0	0	1632.0	38.9	0.2	0	16
17	1627.1	25.2	0.05	0	1628.1	27.8	0.04	0	1628.5	28.8	0.2	0	1632.1	39.2	0.2	0	17
18	1627.1	25.2	0.1	0	1628.1	27.8	0.04	0	1629.2	30.7	0.9	0	1632.3	39.9	0.2	0	18
19	1627.1	25.2	0.05	0	1628.1	27.8	0.04	0	1629.8	32.3	0.8	0	1632.5	40.6	0.3	0	19
20	1627.1	25.2	0.05	0	1628.1	27.8	0.04	0	1629.9	32.6	0.2	0	1632.6	40.9	0.3	0	20
21	1627.2	25.5	0.05	0	1628.1	27.8	0.04	0	1630.0	32.9	0.1	0	1629.1	30.4	0.3	5.6	21
22	1627.2	25.5	0.05	0	1628.2	28.0	0.04	0	1630.1	33.2	0.1	0	1621.3	14.1	0.3	8.5	22
23	1627.2	25.5	0.05	0	1628.2	28.0	0.04	0	1630.1	33.2	0.1	0	1612.6	4.0	0.3	5.4	23
24	1627.2	25.5	0.05	0	1628.2	28.0	0.04	0	1630.2	33.5	0.1	0	1612.5	4.0	0.3	0.3	24
25	1627.2	25.5	0.05	0	1628.2	28.0	0.04	0	1630.2	33.5	0.1	0	1612.5	4.0	0.3	0.3	25
26	1627.2	25.5	0.05	0	1628.2	28.0	0.04	0	1630.3	33.8	0.1	0	1612.5	4.0	0.3	0.3	26
27	1627.3	25.8	0.05	0	1628.2	28.0	0.04	0	1630.3	33.8	0.1	0	1612.5	4.0	0.3	0.3	27
28	1627.3	25.8	0.05	0	1628.2	28.0	0.04	0	1630.4	34.1	0.1	0	1613.0	4.3	0.3	0.2	28
29	1627.3	25.8	0.05	0	1628.2	28.0	0.04	0	1630.4	34.1	0.1	0	1613.7	4.9	0.4	0.07	29
30	1627.3	25.8	0.05	0	1628.3	28.3	0.04	0	1630.5	34.4	0.1	0	1614.3	5.5	0.4	0.07	30
31	1627.3	25.8	0.05	0					1630.6	34.6	0.1	0	1614.8	5.9	0.3	0.06	31
TOTAL			1.7	0			1.6	0			3.4	0			6.7	21.1	
Inf. Ac. Ft.			3.4				3.1				6.7				13.3	26.5	
Outf. Ac. Ft.			0	+ (0.8)			0	+ (0.6)			0	+ (0.4)		41.9	+ (0.2)	41.9 + (2.0)	
Maximum Mean Daily Inflow			0.1				0.5				0.9				0.3	0.9	
Minimum Mean Daily Inflow			0.05				0				0				0.1	0	
Storage Change	+2.6					+2.5				+6.3				-28.7		-17.3 ½ Year	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1644.1	feet in	on July and Aug.	Storage	90.4	Acre Feet		
Min. W. S. Elev.	1612.5	feet	on Jan. 24 - 27	Storage	4.0	Acre Feet		
Max. Peak Inf.	3.5	C. F. S. from	8:00 AM	on 2-6-50	to	10:00 AM	on	2-6-50
Max. Peak Outf.	10.8	C. F. S. from	12:30 PM	on 1-21-50	to	8:30 PM	on	1-21-50

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
P. KEISER	Dam Tender	Gage Hts. copied	JHL	
F. E. STUNDEN	Hydrographer	Storage applied	JHL	
	Hydrographer	Inf. & Outf. comp.	JHL GPB	

REMARKS ( ) Indicates evaporation losses.
{ Indicates average for period.

4-27-50

F. C. Dist. Form 68B Revised 500 11/44

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, 1950

Continuous Water Stage Recorder Au

Drainage Area 4.5 Square Miles. Capacity of Reservoir 951.6 Ac. Ft. at Spillway Elev. 1706.0 Ft. as of October, 1944. Survey Gage Heights Read Daily

Day	FEBRUARY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	MARCH Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	APRIL Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	MAY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Day
1	1615.3	6.4	0.3	* 0.06	1632.5	40.6	0.4	* 0.04	1637.9	60.7	* 0.3	0.03	1641.6	77.5	0.2	* 0.03	1
2	1615.8	6.9	0.3	0.06	1632.7	41.2	0.4	0.04	1638.0	61.1	0.3	0.03	1641.7	78.0	0.2	0.03	2
3	1616.2	7.4	0.3	0.06	1632.9	41.9	0.4	0.04	1638.2	62.0	0.3	0.03	1641.8	78.5	0.2	0.06	3
4	1616.6	7.8	0.3	0.06	1633.1	42.5	0.4	0.04	1638.3	62.4	0.3	0.03	1641.8	78.5	0.2	0.06	4
5	1617.0	8.3	0.4	0.06	1633.3	43.2	0.4	0.04	1638.4	62.8	0.2	0.03	1641.9	79.0	0.3	0.06	5
6	1620.0	12.1	2.0	0.06	1633.5	43.9	0.4	0.04	1638.5	63.2	0.2	0.03	1641.9	79.0	0.3	0.06	6
7	1621.5	14.4	1.2	0.06	1633.7	44.6	0.4	0.04	1638.6	63.7	0.3	0.03	1642.0	79.5	0.3	0.06	7
8	1622.6	16.2	1.0	0.06	1633.8	44.9	0.4	0.03	1639.0	65.4	0.9	0.03	1642.1	80.0	0.2	0.06	8
9	1623.4	17.6	0.7	0.06	1634.0	45.6	0.4	0.03	1639.3	66.8	0.8	0.03	1642.1	80.0	0.2	0.06	9
10	1624.5	19.7	1.2	0.06	1634.2	46.3	0.3	0.03	1639.5	67.6	0.5	0.03	1642.2	80.5	0.2	0.06	10
11	1625.3	21.3	0.8	0.06	1634.4	47.0	0.3	0.03	1639.6	68.1	0.4	0.03	1642.2	80.5	0.2	0.06	11
12	1626.0	22.8	0.8	0.06	1634.5	47.4	0.3	0.03	1639.8	69.0	0.4	0.03	1642.2	80.5	0.2	0.06	12
13	1626.7	24.3	0.8	0.06	1634.7	48.1	0.3	0.03	1640.0	69.9	0.4	0.03	1642.3	81.0	0.2	0.06	13
14	1627.3	25.8	0.8	0.06	1634.8	48.5	0.3	0.03	1640.1	70.4	0.3	0.03	1642.3	81.0	0.2	0.06	14
15	1627.8	27.0	0.7	0.06	1635.0	49.2	0.3	0.03	1640.2	70.8	0.3	0.03	1642.4	81.5	0.2	0.06	15
16	1628.3	28.3	0.7	0.06	1635.2	50.0	0.3	0.03	1640.3	71.3	0.3	0.03	1642.4	81.5	0.2	0.06	16
17	1628.7	29.3	0.7	0.06	1635.3	50.3	0.3	0.03	1640.4	71.8	0.3	0.03	1642.5	82.0	0.2	0.06	17
18	1629.2	30.7	0.7	0.06	1635.4	50.7	0.3	0.03	1640.5	72.2	0.3	0.03	1642.6	82.6	0.2	0.06	18
19	1629.5	31.5	0.6	0.06	1635.5	51.1	0.3	0.03	1640.6	72.7	0.3	0.03	1642.6	82.6	0.2	0.06	19
20	1629.9	32.6	0.6	0.06	1635.7	51.9	0.3	0.03	1640.7	73.2	0.3	0.03	1642.7	83.1	0.2	0.06	20
21	1630.3	33.8	0.5	0.06	1635.8	52.2	0.3	0.03	1640.8	73.7	0.3	0.03	1642.7	83.1	0.2	0.06	21
22	1630.6	34.6	0.5	0.06	1635.9	52.6	0.3	0.03	1640.9	74.1	0.3	0.03	1642.7	83.1	0.2	0.06	22
23	1630.9	35.5	0.5	0.06	1636.0	53.0	0.3	0.03	1641.0	74.6	0.3	0.03	1642.8	83.6	0.2	0.06	23
24	1631.2	36.4	0.5	0.05	1636.5	55.0	1.1	0.03	1641.1	75.1	0.3	0.03	1642.8	83.6	0.2	0.06	24
25	1631.5	37.4	0.5	0.05	1636.8	56.1	0.5	0.03	1641.2	75.6	0.3	0.03	1642.9	84.1	0.2	0.06	25
26	1631.7	38.0	0.5	0.05	1637.0	56.9	0.5	0.03	1641.3	76.1	0.3	0.03	1642.9	84.1	0.2	0.06	26
27	1632.0	38.9	0.5	0.05	1637.2	57.7	0.4	0.03	1641.3	76.1	0.3	0.03	1642.9	84.1	0.1	0.06	27
28	1632.2	39.6	0.4	0.05	1637.4	58.6	0.4	0.03	1641.4	76.6	0.2	0.03	1642.9	84.1	0.1	0.06	28
29					1637.5	59.0	0.4	0.03	1641.5	77.0	0.2	0.03	1643.0	84.6	0.1	0	29
30					1637.6	59.4	0.4	0.03	1641.6	77.5	0.2	0.03	1643.0	84.6	0.1	0	30
31					1637.8	60.3	0.3	0.03					1643.0	84.6	0.1	0	31
TOTAL			18.8	1.63			11.8	1.01			10.1	0.9			6.0	1.62	
Inf. Ac. Ft.			37.3				23.4				20.0				11.9	119.1	
Outf. Ac. Ft.				3.2 + (0.4)			2.0	+ (0.8)			1.8	+ (1.0)		3.2	+ (1.6)	52.1 + (5.8)	
Maximum Mean Daily Inflow			2.0				1.1				0.9				0.3	2.0	
Minimum Mean Daily Inflow			0.3				0.3				0.2				0.1	0	
Storage Change	+33.7					+20.7				+17.2				+7.1		+61.4 ¾ Year	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1644.1	feet in	on July and Aug.	Storage	90.4	Acre Feet		
Min. W. S. Elev.	1612.5	feet	on Jan. 24 - 27	Storage	4.0	Acre Feet		
Max. Peak Inf.	3.5	C. F. S. from	8:00 AM	on 2-6-50	to	10:00 AM	on	2-6-50
Max. Peak Outf.	10.8	C. F. S. from	12:30 PM	on 1-21-50	to	8:30 PM	on	1-21-50

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
P. KEISER	Dam Tender	Gage Hts. copied	JHL GPB	
F. E. STUNDEN	Hydrographer	Storage applied	JHL GPB	
	Hydrographer	Inf. & Outf. comp.	JHL GPB	

REMARKS { Indicates average for period.
( ) Indicates evaporation losses.
* Valve leakage.

F. C. Dist. Form 69C Revised 500 11/44

Daily Gage Height in feet and Operation Record of BIG DALTON

In Big Dalton Canyon for the Year Ending September 30, 19 50

FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder Au

Drainage Area 4.5 Square Miles. Capacity of Reservoir 951.6 Ac. Ft. at Spillway Elev. 1706.0 Ft. as of October 19.44 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	1643.0	84.6	0.1	0	1643.9	89.4	0.1	0	1644.1	90.4	0.03	0	1643.8	88.8	0.02	0	1
2	1643.1	85.1	0.1	0	1643.9	89.4	0.1	0	1644.1	90.4	0.03	0	1643.8	88.8	0.02	0	2
3	1643.1	85.1	0.1	0	1644.0	89.9	0.1	0	1644.1	90.4	0.03	0	1643.8	88.8	0.02	0	3
4	1643.2	85.7	0.1	0	1644.0	89.9	0.05	0	1644.1	90.4	0.03	0	1643.8	88.8	0.02	0	4
5	1643.2	85.7	0.1	0	1644.0	89.9	0.1	0	1644.1	90.4	0.03	0	1643.8	88.8	0.02	0	5
6	1643.3	86.2	0.1	0	1644.0	89.9	0.05	0	1644.0	89.9	0.03	0	1643.7	88.3	0.02	0	6
7	1643.3	86.2	0.1	0	1644.0	89.9	0.1	0	1644.0	89.9	0.03	0	1643.7	88.3	0.02	0	7
8	1643.3	86.2	0.1	0	1644.0	89.9	0.05	0	1644.0	89.9	0.03	0	1643.7	88.3	0.02	0	8
9	1643.4	86.7	0.2	0	1644.1	90.4	0.1	0	1644.0	89.9	0.02	0	1643.7	88.3	0.02	0	9
10	1643.4	86.7	0.2	0	1644.1	90.4	0.05	0	1644.0	89.9	0.02	0	1643.7	88.3	0.02	0	10
11	1643.4	86.7	0.2	0	1644.1	90.4	0.1	0	1644.0	89.9	0.02	0	1643.7	88.3	0.02	0	11
12	1643.5	87.2	0.2	0	1644.1	90.4	0.05	0	1644.0	89.9	0.02	0	1643.7	88.3	0.02	0	12
13	1643.5	87.2	0.2	0	1644.1	90.4	0.1	0	1644.0	89.9	0.02	0	1643.7	88.3	0.02	0	13
14	1643.5	87.2	0.2	0	1644.1	90.4	0.05	0	1643.9	89.4	0.02	0	1643.7	88.3	0.02	0	14
15	1643.6	87.8	0.2	0	1644.1	90.4	0.05	0	1643.9	89.4	0.02	0	1643.6	87.8	0.02	0	15
16	1643.6	87.8	0.1	0	1644.1	90.4	0.1	0	1643.9	89.4	0.02	0	1643.6	87.8	0.02	0	16
17	1643.6	87.8	0.1	0	1644.1	90.4	0.05	0	1643.9	89.4	0.02	0	1643.6	87.8	0.03	0	17
18	1643.7	88.3	0.1	0	1644.1	90.4	0.05	0	1643.9	89.4	0.02	0	1642.9	84.1	* 0.1	1.9	18
19	1643.7	88.3	0.1	0	1644.1	90.4	0.1	0	1643.9	89.4	0.02	0	1641.6	77.5	0.1	3.4	19
20	1643.7	88.3	0.1	0	1644.1	90.4	0.05	0	1643.9	89.4	0.02	0	1640.3	71.3	0.2	3.3	20
21	1643.8	88.8	0.1	0	1644.1	90.4	0.05	0	1643.9	89.4	0.02	0	1638.8	64.5	0.2	3.6	21
22	1643.8	88.8	0.1	0	1644.1	90.4	0.05	0	1643.9	89.4	0.02	0	1637.2	57.7	0.3	3.8	22
23	1643.8	88.8	0.1	0	1644.1	90.4	0.1	0	1643.9	89.4	0.02	0	1635.2	50.0	0.3	4.1	23
24	1643.9	89.4	0.1	0	1644.1	90.4	0.05	0	1643.9	89.4	0.02	0	1633.1	42.5	0.4	4.2	24
25	1643.9	89.4	0.1	0	1644.1	90.4	0.05	0	1643.9	89.4	0.02	0	1630.9	35.5	0.5	4.1	25
26	1643.9	89.4	0.1	0	1644.1	90.4	0.05	0	1643.9	89.4	0.02	0	1628.2	28.0	0.6	4.3	26
27	1643.9	89.4	0.1	0	1644.1	90.4	0.1	0	1643.9	89.4	0.02	0	1625.0	20.7	0.6	4.3	27
28	1643.9	89.4	0.1	0	1644.1	90.4	0.05	0	1643.9	89.4	0.02	0	1623.5	17.8	0.7	2.2	28
29	1643.9	89.4	0.1	0	1644.1	90.4	0.05	0	1643.8	88.8	0.02	0	1623.8	18.3	0.3	0	29
30	1643.9	89.4	0.1	0	1644.1	90.4	0.05	0	1643.8	88.8	0.02	0	1624.0	18.7	0.2	0	30
31					1644.1	90.4	0.1	0	1643.8	88.8	0.02	0					31
TOTAL			3.7				2.2				0.7				4.9	39.2	
Inf. Ac. Ft.			7.3				4.4				1.4			9.7			141.9
Outf. Ac. Ft.			0 + (2.6)				0 + (3.4)				0 + (3.0)			7.7.8 + (2.0)			129.9 + (16.8)
Maximum Mean Daily Inflow			0.2				0.1				0.03			0.7			2.0
Minimum Mean Daily Inflow			0.1				0.05				0.02			0.02			0
Storage Change		+4.8				+1.0				-1.6				-70.1			-4.5

NOTE: Gage Heights and Storages as of Midnight on Day Shown — Yearly Totals

Max. W. S. Elev.	1644.1	feet in on July and Aug.	Storage	90.4	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1612.5	feet on Jan. 24 - 27	Storage	4.0	Acre Feet	P. KEISER	Dam Tender	Gage Hts. copied	GPB	JHL
Max. Peak Inf.	3.5	C. F. S. from 8:00 AM	on 2-6-50	to 10:00 AM	on 2-6-50	F. E. STUNDEN	Hydrographer	Storage applied	GPB	JHL
Max. Peak Outf.	10.8	C. F. S. from 12:30 PM	on 1-21-50	to 8:30 PM	on 1-21-50		Hydrographer	Inf. & Outf. comp.	GPB	JHL

REMARKS (Indicates average for period. — 10-30-50
( ) Indicates evaporation losses.
* Increase in inflow due to bank storage.

F. C. Dist. Form 69A Revised 500 11/44

Daily Gage Height in feet and Operation Record of BIG DALTON Dam

In Big Dalton Canyon for the Year Ending September 30, 19 51

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder Au

Drainage Area 4.5 Square Miles. Capacity of Reservoir 951.6 Ac. Ft. at Spillway Elev. 1706.0 Ft. as of October 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	1624.1	18.9	0.1	0	1625.5	21.8	0.04	0	1626.1	23.0	0.02	0	1626.3	23.5	0.02	0	1
2	1624.3	19.3	0.1	0	1625.5	21.8	0.04	0	1626.1	23.0	0.02	0	1626.3	23.5	0.02	0	2
3	1624.4	19.5	0.1	0	1625.5	21.8	0.03	0	1626.1	23.0	0.02	0	1626.3	23.5	0.02	0	3
4	1624.4	19.5	0.1	0	1625.5	21.8	0.03	0	1626.1	23.0	0.02	0	1626.3	23.5	0.03	0	4
5	1624.5	19.7	0.1	0	1625.5	21.8	0.03	0	1626.1	23.0	0.02	0	1626.3	23.5	0.03	0	5
6	1624.6	19.9	0.07	0	1625.5	21.8	0.03	0	1626.1	23.0	0.02	0	1626.3	23.5	0.03	0	6
7	1624.7	20.1	0.07	0	1625.5	21.8	0.02	0	1626.1	23.0	0.02	0	1626.3	23.5	0.03	0	7
8	1624.7	20.1	0.07	0	1625.5	21.8	0.02	0	1626.1	23.0	0.02	0	1626.3	23.5	0.03	0	8
9	1624.8	20.3	0.07	0	1625.5	21.8	0.02	0	1626.1	23.0	0.02	0	1626.3	23.5	0.03	0	9
10	1624.8	20.3	0.07	0	1625.5	21.8	0.02	0	1626.1	23.0	0.02	0	1626.4	23.7	0.03	0	10
11	1624.9	20.5	0.07	0	1625.5	21.8	0.02	0	1626.1	23.0	0.02	0	1626.5	23.9	0.03	0	11
12	1624.9	20.5	0.07	0	1625.5	21.8	0.02	0	1626.2	23.2	0.02	0	1626.5	23.9	0.03	0	12
13	1625.0	20.7	0.07	0	1625.7	22.2	0.03	0	1626.2	23.2	0.02	0	1626.6	24.1	0.03	0	13
14	1625.0	20.7	0.07	0	1625.7	22.2	0.03	0	1626.2	23.2	0.02	0	1626.6	24.1	0.03	0	14
15	1625.0	20.7	0.07	0	1625.8	22.4	0.03	0	1626.2	23.2	0.02	0	1626.6	24.1	0.03	0	15
16	1625.0	20.7	0.05	0	1625.8	22.4	0.03	0	1626.2	23.2	0.02	0	1626.6	24.1	0.03	0	16
17	1625.1	20.9	0.05	0	1625.8	22.4	0.03	0	1626.2	23.2	0.02	0	1626.6	24.1	0.03	0	17
18	1625.1	20.9	0.05	0	1625.8	22.4	0.03	0	1626.2	23.2	0.02	0	1626.6	24.1	0.03	0	18
19	1625.2	21.1	0.05	0	1625.9	22.6	0.03	0	1626.2	23.2	0.02	0	1626.7	24.3	0.03	0	19
20	1625.2	21.1	0.05	0	1625.9	22.6	0.03	0	1626.2	23.2	0.02	0	1626.7	24.3	0.03	0	20
21	1625.2	21.1	0.05	0	1626.0	22.8	0.03	0	1626.2	23.2	0.02	0	1626.7	24.3	0.03	0	21
22	1625.3	21.3	0.05	0	1626.0	22.8	0.03	0	1626.2	23.2	0.02	0	1626.8	24.6	0.03	0	22
23	1625.3	21.3	0.05	0	1626.0	22.8	0.03	0	1626.2	23.2	0.02	0	1626.8	24.6	0.03	0	23
24	1625.3	21.3	0.05	0	1626.0	22.8	0.03	0	1626.2	23.2	0.02	0	1626.8	24.6	0.03	0	24
25	1625.3	21.3	0.05	0	1626.0	22.8	0.02	0	1626.2	23.2	0.02	0	1626.8	24.6	0.03	0	25
26	1625.4	21.5	0.05	0	1626.0	22.8	0.02	0	1626.2	23.2	0.02	0	1626.8	24.6	0.03	0	26
27	1625.4	21.5	0.05	0	1626.0	22.8	0.02	0	1626.2	23.2	0.02	0	1626.8	24.6	0.03	0	27
28	1625.4	21.5	0.05	0	1626.0	22.8	0.02	0	1626.3	23.5	0.02	0	1626.8	24.6	0.03	0	28
29	1625.5	21.8	0.05	0	1626.0	22.8	0.02	0	1626.3	23.5	0.02	0	1627.0	25.0	0.03	0	29
30	1625.5	21.8	0.05	0	1626.0	22.8	0.02	0	1626.3	23.5	0.01	0	1627.0	25.0	0.03	0	30
31	1625.5	21.8	0.05	0					1626.3	23.5	0.01	0	1627.0	25.0	0.03	0	31
TOTAL			2.0	0			0.8	0			0.6	0			0.9	0	
Inf. Ac. Ft.			4.0				1.6				1.2				1.8		8.6
Outf. Ac. Ft.			0 + (0.8)				0 + (0.6)				0 + (0.4)			0 + (0.2)			0 + (2.0)
Maximum Mean Daily Inflow			0.1				0.04				0.02				0.03		0.1
Minimum Mean Daily Inflow			0.05				0.02				0.01				0.02		0.01
Storage Change		+3.1				+1.0				+0.7				+1.5			+6.3

NOTE: Gage Heights and Storages as of Midnight on Day Shown — ½ Year

Max. W. S. Elev.	1630.5	feet on 7-5-9-51	Storage	34.4	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1624.0	feet on 10-1-50	Storage	18.7	Acre Feet	PAUL KEISER	Dam Tender	Gage Hts. copied	GPB	JHL
Max. Peak Inf.	4.8	C. F. S. from 3:35 PM	on 1-11-51	to 4:05 PM	on 1-11-51	F. E. STUNDEN	Hydrographer	Storage applied	GPB	JHL
Max. Peak Outf.	2.2	C. F. S. from 8:00 AM	on 7-9-51	to 12:00 Midnight	on 7-9-51		Hydrographer	Inf. & Outf. comp.	GPB	JHL 4-24-51

REMARKS (Indicates average for period. — APK 11-23-51
( ) Indicates evaporation losses.

F. C. Dist. Form 68D Revised 800 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of BIG DALTON Dam

In ~~On~~ Big Dalton Canyon for the Year Ending September 30, 1951

Continuous Water Stage Recorder Au

Drainage Area 4.5 Square Miles. Capacity of Reservoir 951.6 Ac. Ft. at Spillway Elev. 1706.0 Ft. as of October, 1944 Survey Gage Heights Read Daily

Day	FEBRUARY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	MARCH Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	APRIL Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	MAY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Day
1	1627.0	25.0	(0.02	0	1627.5	26.2	0.1)	0	1627.9	27.2	(0.04	0	1628.9	29.8	(0.06	0	1
2	1627.0	25.0	0.02	0	1627.6	26.5	0.1	0	1627.9	27.2	0.04	0	1628.9	29.8	0.06	0	2
3	1627.0	25.0	0.02	0	1627.6	26.5	0.02	0	1627.9	27.2	0.04	0	1628.9	29.8	0.06	0	3
4	1627.0	25.0	0.02	0	1627.6	26.5	0.02	0	1628.0	27.5	0.05	0	1628.9	29.8	0.06	0	4
5	1627.0	25.0	0.02	0	1627.6	26.5	0.02	0	1628.0	27.5	0.05	0	1628.9	29.8	0.06	0	5
6	1627.1	25.2	0.02	0	1627.6	26.5	0.02	0	1628.0	27.5	0.05	0	1629.0	30.1	0.06	0	6
7	1627.1	25.2	0.02	0	1627.6	26.5	0.02	0	1628.1	27.8	0.05	0	1629.0	30.1	0.06	0	7
8	1627.1	25.2	0.02	0	1627.6	26.5	0.02	0	1628.1	27.8	0.05	0	1629.0	30.1	0.06	0	8
9	1627.1	25.2	0.02	0	1627.6	26.5	0.02	0	1628.1	27.8	0.04	0	1629.0	30.1	0.06	0	9
10	1627.1	25.2	0.02	0	1627.6	26.5	0.02	0	1628.1	27.8	0.04	0	1629.1	30.4	0.06	0	10
11	1627.2	25.5	0.02	0	1627.7	26.8	0.02	0	1628.2	28.0	0.04	0	1629.1	30.4	0.06	0	11
12	1627.2	25.5	0.02	0	1627.7	26.8	0.02	0	1628.2	28.0	0.04	0	1629.1	30.4	0.06	0	12
13	1627.2	25.5	0.02	0	1627.7	26.8	0.02	0	1628.2	28.0	0.04	0	1629.2	30.7	0.06	0	13
14	1627.2	25.5	0.02	0	1627.7	26.8	0.02	0	1628.2	28.0	0.04	0	1629.2	30.7	0.06	0	14
15	1627.2	25.5	0.03	0	1627.7	26.8	0.02	0	1628.2	28.0	0.04	0	1629.2	30.7	0.06	0	15
16	1627.2	25.5	0.03	0	1627.7	26.8	0.02	0	1628.2	28.0	0.05	0	1629.2	30.7	0.05	0	16
17	1627.2	25.5	0.03	0	1627.7	26.8	0.02	0	1628.2	28.0	0.05	0	1629.3	30.9	0.05	0	17
18	1627.2	25.5	0.03	0	1627.7	26.8	0.02	0	1628.3	28.3	0.05	0	1629.3	30.9	0.05	0	18
19	1627.2	25.5	0.03	0	1627.7	26.8	0.02	0	1628.3	28.3	0.05	0	1629.3	30.9	0.05	0	19
20	1627.2	25.5	0.03	0	1627.7	26.8	0.02	0	1628.3	28.3	0.05	0	1629.4	31.2	0.05	0	20
21	1627.2	25.5	0.03	0	1627.7	26.8	0.02	0	1628.3	28.3	0.05	0	1629.4	31.2	0.05	0	21
22	1627.2	25.5	0.03	0	1627.7	26.8	0.02	0	1628.4	28.5	0.05	0	1629.4	31.2	0.05	0	22
23	1627.2	25.5	0.03	0	1627.7	26.8	0.02	0	1628.4	28.5	0.05	0	1629.5	31.5	0.05	0	23
24	1627.3	25.8	0.03	0	1627.7	26.8	0.02	0	1628.4	28.5	0.05	0	1629.5	31.5	0.05	0	24
25	1627.3	25.8	0.03	0	1627.7	26.8	0.02	0	1628.6	29.1	0.1	0	1629.5	31.5	0.05	0	25
26	1627.4	26.0	0.03	0	1627.8	27.0	0.02	0	1628.6	29.1	0.1	0	1629.6	31.8	0.05	0	26
27	1627.4	26.0	0.03	0	1627.8	27.0	0.02	0	1628.6	29.1	0.1	0	1629.6	31.8	0.05	0	27
28	1627.4	26.0	0.03	0	1627.8	27.0	0.02	0	1628.8	29.6	0.1	0	1629.6	31.8	0.05	0	28
29					1627.8	27.0	0.02	0	1628.9	29.8	0.1	0	1629.6	31.8	0.05	0	29
30					1627.8	27.0	0.04	0	1628.9	29.8	0.1	0	1629.7	32.1	0.05	0	30
31					1627.8	27.0	0.02	0					1629.7	32.1	0.05	0	31
TOTAL			0.7	0			0.8	0			1.7	0			1.7	0	
Inf. Ac. Ft.			1.4				1.6				3.4				3.4		18.4
Outf. Ac. Ft.			0 + (0.4)				0 + (0.6)				0 + (0.6)			0 + (1.0)		0 + (4.6)	
Maximum Mean Daily Inflow			0.03				0.1				0.1				0.06		0.1
Minimum Mean Daily Inflow			0.02				0.02				0.04				0.05		0.01
Storage Change			+1.0				+1.0				+2.8				+2.3		+13.4

NOTE: Gage Heights and Storages as of Midnight on Day Shown; ¼ Year

Max. W. S. Elev.	1630.5	feet on	7-5-9-51	Storage	34.4	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	1624.0	feet on	10-1-50	Storage	18.7	Acre Feet	P. KEISER	Dam Tender	Gage Hts. copied	APK
Max. Peak Inf.	4.8	C. F. S. from	3:35 PM on	1-11-51	to 4:05 PM	on 1-11-51	F. E. STUNDEN	Hydrographer	Storage applied	APK
Max. Peak Outf.	2.2	C. F. S. from	8:00 AM on	7-9-51	to 12:00 Midnight	on 7-9-51		Hydrographer	Inf. & Outf. comp.	APK 7-10-51
REMARKS	(Indicates average for period.									APK
	( ) Indicates evaporation losses.									

F. C. Dist. Form 68C Revised 800 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of BIG DALTON Dam

In ~~On~~ Big Dalton Canyon for the Year Ending September 30, 1951

Continuous Water Stage Recorder Au

Drainage Area 4.5 Square Miles. Capacity of Reservoir 951.6 Ac. Ft. at Spillway Elev. 1706.0 Ft. as of October, 1944 Survey Gage Heights Read Daily

Day	JUNE Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	JULY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	AUGUST Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	SEPTEMBER Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Day
1	1629.7	32.1	(0.05	0	1630.4	34.1	(0.05	0	1625.5	21.8	(0.03	0	1625.7	22.2	(0.02	0	1
2	1629.7	32.1	0.05	0	1630.4	34.1	0.05	0	1625.6	22.0	0.03	0	1625.7	22.2	0.02	0	2
3	1629.8	32.3	0.05	0	1630.4	34.1	0.05	0	1625.6	22.0	0.03	0	1625.7	22.2	0.02	0	3
4	1629.8	32.3	0.05	0	1630.4	34.1	0.05	0	1625.6	22.0	0.03	0	1625.7	22.2	0.02	0	4
5	1629.8	32.3	0.05	0	1630.5	34.4	0.05	0	1625.6	22.0	0.03	0	1625.7	22.2	0.02	0	5
6	1629.8	32.3	0.05	0	1630.5	34.4	0.05	0	1625.6	22.0	0.03	0	1625.7	22.2	0.02	0	6
7	1629.9	32.6	0.05	0	1630.5	34.4	0.05	0	1625.6	22.0	0.03	0	1625.7	22.2	0.02	0	7
8	1629.9	32.6	0.06	0	1630.5	34.4	0.05	0	1625.6	22.0	0.03	0	1625.7	22.2	0.02	0	8
9	1629.9	32.6	0.06	0	1629.5	31.5	0.05	1.5	1625.6	22.0	0.03	0	1625.7	22.2	0.02	0	9
10	1629.9	32.6	0.06	0	1628.2	28.0	0.05	1.9	1625.6	22.0	0.03	0	1625.7	22.2	0.02	0	10
11	1630.0	32.9	0.06	0	1627.1	25.2	0.05	1.4	1625.6	22.0	0.03	0	1625.7	22.2	0.02	0	11
12	1630.0	32.9	0.06	0	1626.2	23.2	0.08	1.0	1625.6	22.0	0.03	0	1625.7	22.2	0.02	0	12
13	1630.0	32.9	0.06	0	1625.3	21.3	0.07	1.0	1625.6	22.0	0.03	0	1625.7	22.2	0.02	0	13
14	1630.0	32.9	0.06	0	1625.1	20.9	0.05	0.3	1625.6	22.0	0.03	0	1625.7	22.2	0.02	0	14
15	1630.1	33.2	0.06	0	1625.2	21.1	0.05	0	1625.6	22.0	0.03	0	1625.7	22.2	0.02	0	15
16	1630.1	33.2	0.06	0	1625.2	21.1	0.05	0	1625.6	22.0	0.03	0	1625.7	22.2	0.02	0	16
17	1630.1	33.2	0.06	0	1625.3	21.3	0.05	0	1625.6	22.0	0.03	0	1625.7	22.2	0.02	0	17
18	1630.2	33.5	0.05	0	1625.3	21.3	0.05	0	1625.6	22.0	0.03	0	1625.7	22.2	0.02	0	18
19	1630.2	33.5	0.05	0	1625.4	21.5	0.05	0	1625.6	22.0	0.02	0	1625.7	22.2	0.02	0	19
20	1630.2	33.5	0.05	0	1625.4	21.5	0.05	0	1625.6	22.0	0.02	0	1625.7	22.2	0.02	0	20
21	1630.2	33.5	0.05	0	1625.4	21.5	0.05	0	1625.6	22.0	0.02	0	1625.7	22.2	0.01	0	21
22	1630.3	33.8	0.05	0	1625.4	21.5	0.05	0	1625.6	22.0	0.02	0	1625.7	22.2	0.01	0	22
23	1630.3	33.8	0.05	0	1625.4	21.5	0.05	0	1625.6	22.0	0.02	0	1625.7	22.2	0.01	0	23
24	1630.3	33.8	0.05	0	1625.4	21.5	0.05	0	1625.6	22.0	0.02	0	1625.7	22.2	0.01	0	24
25	1630.3	33.8	0.05	0	1625.5	21.8	0.05	0	1625.6	22.0	0.02	0	1625.7	22.2	0.01	0	25
26	1630.3	33.8	0.05	0	1625.5	21.8	0.05	0	1625.6	22.0	0.02	0	1625.7	22.2	0.01	0	26
27	1630.3	33.8	0.05	0	1625.5	21.8	0.05	0	1625.6	22.0	0.02	0	1625.7	22.2	0.01	0	27
28	1630.3	33.8	0.05	0	1625.5	21.8	0.05	0	1625.6	22.0	0.02	0	1625.7	22.2	0.01	0	28
29	1630.4	34.1	0.05	0	1625.5	21.8	0.05	0	1625.6	22.0	0.02	0	1625.7	22.2	0.01	0	29
30	1630.4	34.1	0.05	0	1625.5	21.8	0.05	0	1625.7	22.2	0.02	0	1625.7	22.2	0.01	0	30
31					1625.5	21.8	0.05	0	1625.7	22.2	0.02	0					31
TOTAL			1.6	0			1.6	7.1			0.8	0			0.5	0	
Inf. Ac. Ft.			3.2				3.2				1.6				1.0		27.4
Outf. Ac. Ft.			0 + (1.2)				14.1 + (1.4)				0 + (1.2)			0 + (1.0)		14.1 + (9.4)	
Maximum Mean Daily Inflow			0.06				0.08				0.03				0.02		0.1
Minimum Mean Daily Inflow			0.05				0.05				0.02				0.01		0.01
Storage Change			+2.0				-12.3				+0.4			0			+3.5

NOTE: Gage Heights and Storages as of Midnight on Day Shown; Yearly Totals

Max. W. S. Elev.	1630.5	feet on	7-5-9-51	Storage	34.4	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	1624.0	feet on	10-1-50	Storage	18.7	Acre Feet	P. KEISER	Dam Tender	Gage Hts. copied	WLT 10-19-51
Max. Peak Inf.	4.8	C. F. S. from	3:35 PM on	1-11-51	to 4:05 PM	on 1-11-51	F. E. STUNDEN	Hydrographer	Storage applied	WLT
Max. Peak Outf.	2.2	C. F. S. from	8:00 AM on	7-9-51	to 12:00 Midnight	on 7-9-51		Hydrographer	Inf. & Outf. comp.	WLT
REMARKS	(Indicates average for period.									APK 11-23-51
	( ) Indicates evaporation losses.									

F. C. Dist. Form 82A Revised 300 11/44

Daily Gage Height in feet and Operation Record of SAN DIMAS

In San Dimas Canyon for the Year Ending September 30, 19 50

Or

HYDRAULIC DIVISION

Continuous Water Stage Recorder Au

Drainage Area 16.2 Square Miles. Capacity of Reservoir 1042.5 Ac. Ft. at Spillway Elev. 1462.0 Ft. as of November, 19 44 Survey Gage Heights Read Daily

Day	OCTOBER Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	NOVEMBER Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	DECEMBER Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	JANUARY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Day
1	1409.9	725	0.1	0	1411.3	800	0.1	0	1413.6	932	0.2	0	1429.3	235.7	1.1	0	1
2	1409.9	725	0.1	0	1411.4	805	0.1	0	1413.6	932	0.2	0	1429.5	238.1	1.1	0	2
3	1410.0	730	0.1	0	1411.4	805	0.1	0	1413.7	938	0.2	0	1429.7	240.5	1.0	0	3
4	1410.0	730	0.1	0	1411.4	805	0.1	0	1413.7	938	0.2	0	1429.8	241.7	1.0	0	4
5	1410.1	735	0.1	0	1411.5	811	0.1	0	1413.8	944	0.2	0	1429.9	242.9	1.0	0.7	5
6	1410.2	741	0.1	0	1411.5	811	0.1	0	1413.8	944	0.1	0	1429.8	241.7	1.0	1.2	6
7	1410.2	741	0.1	0	1411.6	816	0.1	0	1413.9	950	0.1	0	1429.8	241.7	1.1	1.2	7
8	1410.3	746	0.2	0	1411.6	816	0.1	0	1414.1	962	0.6	0	1430.1	245.4	3.1	1.3	8
9	1410.3	746	0.2	0	1411.8	827	0.6	0	1414.3	975	0.7	0	1430.5	250.4	3.8	1.3	9
10	1410.3	746	0.2	0	1412.6	873	2.3	0	1414.5	988	0.6	0	1430.6	251.6	1.9	1.3	10
11	1410.4	751	0.2	0	1412.7	879	0.2	0	1414.6	994	0.6	0	1431.1	257.9	4.6	1.4	11
12	1410.5	757	0.1	0	1412.7	879	0.2	0	1414.8	1006	0.5	0	1431.6	264.4	4.7	1.4	12
13	1410.6	762	0.1	0	1412.8	884	0.2	0	1414.9	1013	0.5	0	1431.8	267.0	2.7	1.4	13
14	1410.6	762	0.1	0	1412.8	884	0.2	0	1415.1	1026	0.5	0	1431.9	268.3	2.9	2.2	14
15	1410.7	767	0.1	0	1412.9	890	0.2	0	1415.3	1039	0.5	0	1431.9	268.3	2.8	2.8	15
16	1410.7	767	0.2	0	1412.9	890	0.1	0	1415.5	1052	0.5	0	1431.8	267.0	2.2	2.8	16
17	1410.8	772	0.2	0	1413.0	896	0.1	0	1415.6	1059	0.5	0	1431.7	265.7	2.2	2.8	17
18	1410.8	772	0.2	0	1413.0	896	0.1	0	1419.8	1376	1.60	0	1431.6	264.4	2.2	2.8	18
19	1410.9	778	0.2	0	1413.0	896	0.1	0	1425.0	1875	2.51	0	1431.5	263.1	2.1	2.8	19
20	1410.9	778	0.2	0	1413.1	902	0.1	0	1426.1	1993	1.60	0	1431.4	261.8	2.1	2.8	20
21	1410.9	778	0.1	0	1413.1	902	0.1	0	1426.6	2047	1.28	0	1431.3	260.5	2.1	2.8	21
22	1411.0	783	0.1	0	1413.2	908	0.1	0	1427.1	2102	1.27	0	1431.1	257.9	1.5	2.8	22
23	1411.0	783	0.1	0	1413.2	908	0.1	0	1427.4	2136	1.16	0	1430.9	255.4	1.5	2.8	23
24	1411.0	783	0.1	0	1413.2	908	0.1	0	1427.7	2170	1.15	0	1430.7	252.9	1.6	2.8	24
25	1411.1	789	0.1	0	1413.3	914	0.1	0	1427.9	2193	1.15	0	1430.6	251.6	1.1	2.0	25
26	1411.1	789	0.1	0	1413.3	914	0.1	0	1428.2	2227	1.12	0	1430.5	250.4	1.1	1.3	26
27	1411.2	794	0.1	0	1413.4	920	0.1	0	1428.4	2251	1.12	0	1430.5	250.4	1.1	1.3	27
28	1411.2	794	0.1	0	1413.4	920	0.1	0	1428.6	2274	1.12	0	1430.6	251.6	1.9	1.3	28
29	1411.2	794	0.1	0	1413.5	926	0.2	0	1428.8	2298	1.12	0	1430.7	252.9	2.0	1.3	29
30	1411.3	800	0.1	0	1413.5	926	0.2	0	1429.0	2321	1.11	0	1430.8	254.1	1.9	1.3	30
31	1411.3	800	0.1	0					1429.1	2333	1.11	0	1430.8	254.1	1.3	1.3	31
TOTAL			4.0	0			6.4	0			70.9	0			61.7	51.2	
Inf. Ac. Ft.			7.9				12.7				140.6				122.4	283.6	
Outf. Ac. Ft.				0				0				0			101.6	101.6	
Maximum Mean Daily Inflow			0.2				2.3				2.51				4.7	2.51	
Minimum Mean Daily Inflow			0.1				0.1				0.1				1.0	0.1	
Storage Change		+80				+126				+140.7				+20.8		+182.1	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

½ Year

Max. W. S. Elev.	1444.5	feet	on	4-22-50	Storage	500.5	Acre Feet			
Min. W. S. Elev.	1405.35	feet	on	6-17-50	Storage	50.9	Acre Feet			
Max. Peak Inf.	64.7	C.F.S. from	10:00 PM	on	12-18-49	to	Midnight	on	12-18-49	
Max. Peak Outf.	60.0	C.F.S. from	9:45 AM	on	4-3-50	to		on		

RECORDS COLLECTED BY

A. R. BLEEMERS	Dam Tender	
F. E. STUNDEN	Hydrographer	
	Hydrographer	

COMPUTATIONS ckd. Date

Gage Hts. copied	JHL	CJR
Storage applied	JHL	CJR
Inf. & Outf. comp.		4-21-50

REMARKS (Indicates average for period.
No allowance made for percolation or evaporation.

F. C. Dist. Form 68 Revised 600 5/39

Daily Gage Height in feet and Operation Record of SAN DIMAS Dam

In San Dimas Canyon for the Year Ending September 30, 1950

Or

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DEPARTMENT

Continuous Water Stage Recorder Au

Drainage Area 16.2 Square Miles. Capacity of Reservoir 1042.5 Ac. Ft. at Spillway Elev. 1462.0 Ft. November 1944 Survey Gage Heights Read Daily

Day	FEBRUARY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	MARCH Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	APRIL Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	MAY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Day
1	1430.8	2541	1.2	1.3	1437.5	3527	1.4	0	1442.1	4435	1.1	0	1442.9	4618	0.9	3.1	1
2	1430.8	2541	1.2	1.3	1437.6	3544	1.4	0	1442.2	4458	1.1	0	1442.7	4572	0.9	3.7	2
3	1430.8	2541	1.2	1.3	1437.8	3578	1.4	0	1442.2	4458	1.1	0.6	1442.4	4504	0.9	4.1	3
4	1430.7	2529	1.2	1.3	1437.9	3596	1.4	0	1442.3	4481	1.1	0	1442.2	4458	0.9	4.1	4
5	1430.7	2529	1.1	1.3	1438.1	3631	1.4	0	1442.4	4504	1.1	0	1441.9	4390	0.9	4.1	5
6	1433.0	2831	16.6	1.4	1438.2	3649	1.1	0	1442.5	4527	1.0	0	1441.6	4325	0.9	4.1	6
7	1434.0	2972	9.5	1.4	1438.3	3668	1.1	0	1442.6	4549	1.0	0	1441.3	4259	0.8	4.1	7
8	1434.6	3061	5.9	1.4	1438.4	3686	1.1	0	1442.9	4618	3.5	0	1441.0	4194	0.8	4.1	8
9	1434.9	3106	3.7	1.4	1438.6	3722	1.1	0	1443.3	4713	4.8	0	1440.6	4112	0.8	4.6	9
10	1435.4	3183	5.3	1.4	1438.7	3740	1.1	0	1443.5	4761	2.4	0	1440.1	4010	0.8	5.6	10
11	1435.7	3230	3.8	1.4	1438.8	3759	1.1	0	1443.6	4784	1.2	0	1439.6	3911	0.9	6.3	11
12	1436.0	3276	3.7	1.4	1438.9	3777	1.1	0	1443.7	4808	1.2	0	1439.0	3795	0.9	6.3	12
13	1436.2	3309	3.0	1.4	1439.0	3795	1.1	0	1443.8	4832	1.2	0	1438.5	3704	0.9	6.2	13
14	1436.3	3325	2.3	1.4	1439.1	3814	1.1	0	1443.9	4856	1.2	0	1437.9	3596	0.9	6.2	14
15	1436.4	3342	2.1	1.4	1439.2	3834	1.1	0	1444.0	4880	1.2	0	1437.3	3492	0.9	6.2	15
16	1436.6	3374	2.1	1.4	1439.4	3873	1.1	0	1444.1	4905	1.1	0	1436.7	3391	0.9	6.1	16
17	1436.7	3391	2.1	1.4	1439.5	3892	1.0	0	1444.2	4930	1.1	0	1436.1	3292	0.9	6.1	17
18	1436.7	3391	2.1	1.4	1439.6	3911	1.0	0	1444.3	4955	1.1	0	1435.5	3199	1.0	6.1	18
19	1436.8	3407	2.1	1.4	1439.7	3931	1.0	0	1444.4	4980	1.0	0	1434.9	3106	1.0	6.1	19
20	1436.8	3407	2.1	1.4	1439.8	3950	1.0	0	1444.4	4980	1.0	0	1434.2	3002	1.0	6.1	20
21	1436.9	3424	1.7	1.4	1439.9	3970	1.0	0	1444.5	5005	1.0	0	1433.5	2902	1.0	6.1	21
22	1437.0	3440	1.7	1.4	1440.0	3989	1.0	0	1444.4	4980	1.0	1.8	1432.8	2804	1.1	5.7	22
23	1437.0	3440	1.7	1.4	1440.1	4010	1.0	0	1444.3	4955	1.0	3.0	1432.1	2710	1.1	5.2	23
24	1437.0	3440	1.7	1.4	1440.6	4112	5.2	0	1444.1	4905	1.0	3.0	1431.4	2618	1.0	5.2	24
25	1437.0	3440	1.7	1.4	1441.1	4216	5.2	0	1443.9	4856	1.0	3.0	1430.7	2529	0.9	5.2	25
26	1437.0	3440	1.7	1.4	1441.3	4259	2.2	0	1443.8	4832	1.0	3.1	1430.0	2441	0.6	5.2	26
27	1437.1	3457	1.7	0.8	1441.5	4303	2.2	0	1443.6	4784	1.0	3.1	1429.2	2345	0.5	5.2	27
28	1437.3	3492	1.6	0	1441.6	4325	1.4	0	1443.5	4761	1.1	3.1	1428.4	2251	0.5	5.2	28
29					1441.7	4347	1.4	0	1443.3	4713	1.1	3.1	1427.6	2159	0.5	5.2	29
30					1441.9	4390	1.4	0	1443.1	4665	1.0	3.1	1426.7	2058	0.5	5.2	30
31					1442.0	4412	1.3	0					1425.9	1971	0.5	5.2	31
TOTAL			84.7	36.7			46.4	0			39.7	26.9			26.1	161.9	
Inf. Ac. Ft.			1680				920				787				518	6741	
Outf. Ac. Ft.				728				0				534			3211	5499	
Maximum Mean Daily Inflow			16.6				5.2				4.8				1.1	2.51	
Minimum Mean Daily Inflow			1.1				1.0				1.0				0.5	0.1	
Storage Change		+951				+92.0				+253				-2694		+1251	

½ Year

Max. W. S. Elev.	1444.50	feet	on	4-22-50	Storage	500.5	Acre Feet			
Min. W. S. Elev.	1405.35	feet	on	6-17-50	Storage	50.9	Acre Feet			
Max. Peak Inf.	64.7	C.F.S. from	10:00 PM	on	12-18-49	to	MIDNIGHT	on	12-18-49	
Max. Peak Outf.	60.0	C.F.S. from	9:45 AM	on	4-3-50	to		on		

RECORDS COLLECTED BY

A. R. BLEEMERS	Dam Tender	
F. E. STUNDEN	Hydrographer	
	Hydrographer	

COMPUTATIONS Date

Gage Hts. copied	GPB	JHL 9-19-50
Storage applied	GPB	JHL "
Inf. & Outf. computed	GPB	JHL "
Checked		

REMARKS (Indicates average for period. No allowance made for percolation or evaporation.

SAN DIMAS (cont'd.)

F. C. Dist. Form 88 Revised 600 5/39

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DEPARTMENT

Daily Gage Height in feet and Operation Record of SAN DIMAS Dam

In ~~On~~ San Dimas Canyon for the Year Ending September 30, 1950

Continuous Water Stage Recorder Au

Drainage Area 16.2 Square Miles. Capacity of Reservoir 1042.5 Ac. Ft. at Spillway Elev. 1462.0 Ft. November 1944 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	1425.0	187.5	0.4	5.2	1406.4	555.5	0.3	0.2	1407.0	583.3	0.2	0.2	1406.9	578.8	0.2	0.2	1
2	1424.1	178.1	0.4	5.2	1406.4	555.5	0.3	0.2	1407.0	583.3	0.2	0.2	1406.9	578.8	0.2	0.2	2
3	1423.1	168.0	0.4	5.2	1406.4	555.5	0.3	0.2	1407.0	583.3	0.2	0.2	1406.9	578.8	0.2	0.2	3
4	1422.1	158.4	0.4	4.1	1406.4	555.5	0.3	0.2	1407.0	583.3	0.3	0.2	1406.9	578.8	0.2	0.2	4
5	1421.1	149.0	0.4	4.1	1406.5	560.0	0.3	0.2	1407.0	583.3	0.3	0.2	1406.9	578.8	0.2	0.2	5
6	1420.1	140.2	0.4	5.0	1406.5	560.0	0.3	0.2	1407.1	588.8	0.3	0.2	1406.9	578.8	0.2	0.2	6
7	1419.0	130.9	0.4	5.0	1406.6	565.5	0.3	0.2	1407.1	588.8	0.2	0.2	1406.9	578.8	0.2	0.2	7
8	1417.8	121.4	0.3	5.0	1406.6	565.5	0.3	0.2	1407.1	588.8	0.2	0.2	1406.9	578.8	0.2	0.2	8
9	1416.5	112.0	0.3	5.0	1406.6	565.5	0.3	0.2	1407.0	583.3	0.2	0.2	1406.9	578.8	0.2	0.2	9
10	1415.3	102.9	0.3	4.9	1406.6	565.5	0.3	0.2	1407.0	583.3	0.1	0.2	1406.9	578.8	0.2	0.2	10
11	1413.9	95.0	0.3	4.8	1406.7	569.9	0.3	0.2	1407.0	583.3	0.1	0.2	1406.9	578.8	0.2	0.2	11
12	1412.4	86.1	0.3	4.7	1406.7	569.9	0.3	0.2	1407.0	583.3	0.1	0.2	1406.8	578.4	0.2	0.2	12
13	1410.9	77.8	0.3	4.6	1406.7	569.9	0.3	0.2	1407.0	583.3	0.1	0.2	1406.8	578.4	0.2	0.2	13
14	1409.3	69.4	0.4	4.5	1406.8	574.4	0.3	0.2	1407.0	583.3	0.1	0.2	1406.8	578.4	0.2	0.2	14
15	1407.7	61.6	0.4	4.4	1406.8	574.4	0.3	0.2	1407.0	583.3	0.1	0.2	1406.8	578.4	0.2	0.2	15
16	1406.1	54.2	0.4	4.4	1406.8	574.4	0.3	0.2	1407.0	583.3	0.2	0.2	1406.8	578.4	0.2	0.2	16
17	1405.4	51.1	0.4	2.1	1406.8	574.4	0.2	0.2	1407.0	583.3	0.2	0.2	1406.8	578.4	0.2	0.2	17
18	1405.6	52.0	0.4	0.2	1406.9	578.8	0.2	0.2	1407.0	583.3	0.2	0.2	1406.8	578.4	0.2	0.2	18
19	1405.7	52.4	0.4	0.2	1406.9	578.8	0.2	0.2	1406.9	578.8	0.2	0.2	1406.8	578.4	0.2	0.2	19
20	1405.8	52.8	0.5	0.2	1406.9	578.8	0.2	0.2	1406.9	578.8	0.2	0.2	1406.8	578.4	0.2	0.2	20
21	1405.8	52.8	0.5	0.2	1406.9	578.8	0.2	0.2	1406.9	578.8	0.2	0.2	1406.8	578.4	0.2	0.2	21
22	1405.9	53.3	0.5	0.2	1406.9	578.8	0.2	0.2	1406.9	578.8	0.2	0.2	1406.7	576.9	0.2	0.2	22
23	1405.9	53.3	0.5	0.2	1406.9	578.8	0.2	0.2	1406.9	578.8	0.2	0.2	1406.7	576.9	0.2	0.2	23
24	1406.0	53.7	0.4	0.2	1406.9	578.8	0.2	0.2	1406.9	578.8	0.2	0.2	1406.7	576.9	0.1	0.2	24
25	1406.1	54.2	0.4	0.2	1406.9	578.8	0.2	0.2	1406.9	578.8	0.2	0.2	1406.7	576.9	0.1	0.2	25
26	1406.1	54.2	0.3	0.2	1407.0	583.3	0.2	0.2	1406.9	578.8	0.2	0.2	1406.7	576.9	0.1	0.2	26
27	1406.2	54.6	0.3	0.2	1407.0	583.3	0.2	0.2	1406.9	578.8	0.2	0.2	1406.7	576.9	0.1	0.2	27
28	1406.2	54.6	0.3	0.2	1407.0	583.3	0.2	0.2	1406.9	578.8	0.2	0.2	1406.7	576.9	0.1	0.2	28
29	1406.3	55.1	0.3	0.2	1407.0	583.3	0.2	0.2	1406.9	578.8	0.2	0.2	1406.7	576.9	0.1	0.2	29
30	1406.3	55.1	0.2	0.2	1407.0	583.3	0.2	0.2	1406.9	578.8	0.2	0.2	1406.7	576.5	0.1	0.2	30
31					1407.0	583.3	0.2	0.2	1406.9	578.8	0.2	0.2					31
TOTAL			11.2	82.8			7.8	6.2			5.9	6.2			5.3	6.0	
Inf. Ac. Ft.			22.2				15.5				11.7				10.5	7.3.4.0	
Outf. Ac. Ft.				164.2				12.3				12.3			11.9	74.9.6	
Maximum Mean Daily Inflow			0.5				0.3				0.3				0.2	2.5.1	
Minimum Mean Daily Inflow			0.2				0.2				0.1				0.1	0.1	
Storage Change	-142.0				+3.2				-0.5				-1.3			-15.5	
REMARKS																Yearly Totals	

Max. W. S. Elev.	1444.5	feet	on	4-22-50	Storage	500.5	Acre Feet	
Min. W. S. Elev.	1405.35	feet	on	6-17-50	Storage	50.9	Acre Feet	
Max. Peak Inf.	64.7	C.F.S. from	10:00 PM	on	12-18-49	to MIDNIGHT	on	12 18 49
Max. Peak Outf.	60.0	C.F.S. from	9:45 AM	on	4-3-50 PM	to	on	

(Indicates average for period. No allowance made for percolation or evaporation.

RECORDS COLLECTED BY		
A. R. BLEEMERS	Dam Tender	
F. E. STUNDEN	Hydrographer	
	Hydrographer	

COMPUTATIONS	Date
Gage Hts. copied GPB JHL	
Storage applied GPB JHL	
Inf. & Outf. computed GPB JHL	
Checked	10-31-50

F. C. Dist. Form 88A Revised 500 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAN DIMAS Dam

In ~~On~~ San Dimas Canyon for the Year Ending September 30, 1951

Continuous Water Stage Recorder Au

Drainage Area 16.2 Square Miles. Capacity of Reservoir 1042.5 Ac. Ft. at Spillway Elev. 1462.0 Ft. as of November 1944 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	1406.6	56.5	0.2	0.2	1406.3	55.1	0.2	0.2	1406.1	54.2	0.2	0.2	1405.7	52.4	0.1	0.2	1
2	1406.6	56.5	0.2	0.2	1406.2	54.6	0.1	0.2	1406.1	54.2	0.2	0.2	1405.6	52.0	0.1	0.2	2
3	1406.6	56.5	0.2	0.2	1406.2	54.6	0.2	0.2	1406.1	54.2	0.2	0.2	1405.6	52.0	0.2	0.2	3
4	1406.6	56.5	0.2	0.2	1406.2	54.6	0.2	0.2	1406.1	54.2	0.2	0.2	1405.6	52.0	0.2	0.2	4
5	1406.6	56.5	0.2	0.2	1406.2	54.6	0.2	0.2	1406.1	54.2	0.2	0.2	1405.6	52.0	0.2	0.2	5
6	1406.6	56.5	0.2	0.2	1406.2	54.6	0.1	0.2	1406.1	54.2	0.2	0.2	1405.6	52.0	0.2	0.2	6
7	1406.6	56.5	0.2	0.2	1406.2	54.6	0.1	0.2	1406.1	54.2	0.2	0.2	1405.6	52.0	0.2	0.2	7
8	1406.6	56.5	0.2	0.2	1406.1	54.2	0.1	0.2	1406.1	54.2	0.2	0.2	1405.6	52.0	0.2	0.2	8
9	1406.6	56.5	0.2	0.2	1406.1	54.2	0.1	0.2	1406.0	53.7	0.2	0.2	1405.6	52.0	0.2	0.2	9
10	1406.5	56.0	0.1	0.2	1406.1	54.2	0.2	0.2	1406.0	53.7	0.1	0.2	1405.6	52.0	0.2	0.2	10
11	1406.5	56.0	0.2	0.2	1406.1	54.2	0.2	0.2	1406.0	53.7	0.1	0.2	1406.5	56.0	2.2	0.2	11
12	1406.5	56.0	0.2	0.2	1406.1	54.2	0.2	0.2	1406.0	53.7	0.1	0.2	1406.7	56.9	0.7	0.2	12
13	1406.5	56.0	0.2	0.2	1406.1	54.2	0.2	0.2	1405.9	53.3	0.2	0.4	1406.8	57.4	0.4	0.2	13
14	1406.5	56.0	0.1	0.2	1406.1	54.2	0.2	0.2	1405.9	53.3	0.2	0.2	1406.8	57.4	0.2	0.2	14
15	1406.4	55.5	0.1	0.2	1406.1	54.2	0.2	0.2	1405.9	53.3	0.2	0.2	1406.8	57.4	0.2	0.2	15
16	1406.4	55.5	0.1	0.2	1406.1	54.2	0.2	0.2	1405.9	53.3	0.2	0.2	1406.8	57.4	0.2	0.2	16
17	1406.4	55.5	0.1	0.2	1406.1	54.2	0.2	0.2	1405.9	53.3	0.1	0.2	1406.8	57.4	0.2	0.2	17
18	1406.4	55.5	0.1	0.2	1406.1	54.2	0.2	0.2	1405.9	53.3	0.1	0.2	1406.9	57.8	0.4	0.2	18
19	1406.3	55.1	0.1	0.2	1406.1	54.2	0.2	0.2	1405.9	53.3	0.1	0.2	1407.4	60.2	1.4	0.2	19
20	1406.3	55.1	0.2	0.2	1406.1	54.2	0.2	0.2	1405.8	52.8	0.1	0.2	1407.6	61.1	0.7	0.2	20
21	1406.3	55.1	0.2	0.2	1406.1	54.2	0.2	0.2	1405.8	52.8	0.2	0.2	1407.8	62.1	0.7	0.2	21
22	1406.3	55.1	0.2	0.2	1406.1	54.2	0.2	0.2	1405.8	52.8	0.2	0.2	1407.8	62.1	0.4	0.2	22
23	1406.3	55.1	0.2	0.2	1406.1	54.2	0.2	0.2	1405.8	52.8	0.2	0.2	1407.9	62.5	0.4	0.2	23
24	1406.3	55.1	0.2	0.2	1406.1	54.2	0.2	0.2	1405.8	52.8	0.2	0.2	1408.0	63.0	0.4	0.2	24
25	1406.3	55.1	0.2	0.2	1406.1	54.2	0.2	0.2	1405.8	52.8	0.2	0.2	1408.1	63.5	0.3	0.2	25
26	1406.3	55.1	0.2	0.2	1406.1	54.2	0.2	0.2	1405.7	52.4	0.2	0.2	1408.1	63.5	0.2	0.2	26
27	1406.3	55.1	0.2	0.2	1406.1	54.2	0.2	0.2	1405.7	52.4	0.2	0.2	1408.2	64.0	0.4	0.2	27
28	1406.3	55.1	0.2	0.2	1406.1	54.2	0.2	0.2	1405.7	52.4	0.2	0.2	1408.3	64.5	0.5	0.2	28
29	1406.3	55.1	0.2	0.2	1406.1	54.2	0.2	0.2	1405.7	52.4	0.2	0.2	1409.5	70.5	3.2	0.2	29
30	1406.3	55.1	0.2	0.2	1406.1	54.2	0.2	0.2	1405.7	52.4	0.2	0.2	1409.9	72.5	1.2	0.2	30
31	1406.3	55.1	0.2	0.2					1405.7	52.4	0.2	0.2	1410.2	74.1	1.0	0.2	31
TOTAL			5.5	6.2			5.5	6.0			5.5	6.4			17.1	6.2	
Inf. Ac. Ft.			10.9				10.9				10.9				33.9	66.6	
Outf. Ac. Ft.			12.3				11.9				12.7				12.3	49.2	
Maximum Mean Daily Inflow			0.2				0.2				0.2				3.2	3.2	
Minimum Mean Daily Inflow			0.1				0.1				0.1				0.1	0.1	
Storage Change	-1.4				-0.9				-1.8				+21.7			+17.6	
					NOTE: Gage Heights and Storages as of Midnight on Day Shown											½ Year	

Max. W. S. Elev.	1420.8	feet	on	4-10-11-51	Storage	146.3	Acre Feet	
Min. W. S. Elev.	1405.0	feet	on	5-17-51	Storage	49.4	Acre Feet	
Max. Peak Inf.	16.3	C.F.S. from	12:00 Mid.	on	4-29-51	to 12:30 AM	on	4-29-51
Max. Peak Outf.	4.8	C.F.S. from	9:00 AM	on	4-11-51	to 12:00 Mid.	on	4-11-51

REMARKS [Indicates average for period.

RECORDS COLLECTED BY		
A. R. BLEEMERS	Dam Tender	
F. E. STUNDEN	Hydrographer	
	Hydrographer	

COMPUTATIONS	ckd.	Date
Gage Hts. copied	GPB JHL	
Storage applied	GPB JHL	
Inf. & Outf. comp.	GPB JHL	4-20-51
	APK	11-23-51

F. C. Dist. Form 68B Revised 506 11/44

Daily Gage Height in feet and Operation Record of SAN DIMAS Dam

In San Dimas Canyon for the Year Ending September 30, 1951

Drainage Area 16.2 Square Miles. Capacity of Reservoir 1042.5 Ac. Ft. at Spillway Elev. 1462.0 Ft. as of November, 19 Survey

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder Au

Gage Heights Read Daily

Day	FEBRUARY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	MARCH Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	APRIL Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	MAY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Day
1	1410.4	751	0.7	0.2	1415.6	1059	2.2	0.2	1419.4	1343	0.5	0.2	1411.0	783	1.5	0.9	1
2	1410.6	762	0.7	0.2	1416.0	1085	1.5	0.2	1419.5	1351	0.4	0.2	1411.3	800	1.3	0.5	2
3	1410.8	772	0.7	0.2	1416.3	1106	1.3	0.2	1419.6	1359	0.5	0.2	1411.5	811	1.1	0.5	3
4	1410.9	778	0.6	0.2	1416.5	1120	0.9	0.2	1419.8	1376	1.1	0.2	1411.6	816	1.0	0.5	4
5	1411.1	789	0.6	0.2	1416.7	1134	0.9	0.2	1420.1	1402	1.5	0.2	1411.7	822	*0.9	0.6	5
6	1411.2	794	0.6	0.2	1416.9	1148	0.9	0.2	1420.3	1419	1.0	0.2	1411.8	827	0.9	0.9	6
7	1411.4	805	0.6	0.2	1417.1	1162	0.9	0.2	1420.5	1437	0.6	0.2	1411.4	805	0.8	1.9	7
8	1411.5	811	0.6	0.2	1417.2	1170	0.8	0.2	1420.6	1446	0.6	0.2	1411.0.7	767	0.8	2.8	8
9	1411.6	816	0.5	0.2	1417.4	1185	0.8	0.2	1420.7	1455	0.6	0.2	1411.00	730	0.8	2.7	9
10	1411.7	822	0.5	0.2	1417.6	1199	0.8	0.2	1420.8	1463	0.6	0.2	1409.1	684	0.8	2.7	10
11	1411.9	833	0.7	0.2	1417.7	1207	0.7	0.2	1420.2	1411	0.6	2.6	1408.4	650	0.8	2.7	11
12	1412.1	844	0.8	0.2	1417.9	1222	0.7	0.2	1419.3	1334	0.5	4.1	1407.6	611	0.8	2.7	12
13	1412.3	855	0.7	0.2	1418.0	1229	0.7	0.2	1418.4	1261	0.5	4.1	1406.9	578	0.8	2.7	13
14	1412.4	861	0.6	0.2	1418.1	1237	0.7	0.2	1417.4	1185	0.5	3.8	1406.2	546	1.1	2.7	14
15	1412.5	867	0.6	0.2	1418.2	1245	0.6	0.2	1416.6	1127	0.5	3.6	1405.4	511	0.9	2.7	15
16	1412.6	873	0.6	0.2	1418.3	1253	0.6	0.2	1415.7	1065	0.5	3.6	1405.1	498	0.8	1.4	16
17	1412.8	884	0.5	0.2	1418.4	1261	0.5	0.2	1414.7	1000	0.4	3.6	1405.1	498	0.5	0.5	17
18	1412.9	890	0.5	0.2	1418.5	1269	0.5	0.2	1413.7	938	0.4	3.5	1405.2	503	0.4	0.2	18
19	1413.0	896	0.5	0.2	1418.6	1277	0.5	0.2	1412.7	879	0.5	3.5	1405.3	507	0.4	0.2	19
20	1413.1	902	0.5	0.2	1418.6	1277	0.5	0.2	1411.7	822	0.5	3.5	1405.3	507	0.4	0.2	20
21	1413.3	914	0.6	0.2	1418.7	1285	0.5	0.2	1410.7	767	0.5	3.4	1405.4	511	0.4	0.2	21
22	1413.4	920	0.7	0.2	1418.8	1293	0.5	0.2	1409.7	715	0.5	3.4	1405.5	516	0.3	0.2	22
23	1413.6	932	0.8	0.2	1418.8	1293	0.4	0.2	1408.7	664	0.5	3.3	1405.6	520	0.3	0.2	23
24	1413.8	944	0.7	0.2	1418.9	1301	0.4	0.2	1407.7	616	0.8	3.3	1405.6	520	0.3	0.2	24
25	1413.9	950	0.6	0.2	1418.9	1301	0.4	0.2	1407.7	616	2.2	2.2	1405.7	524	0.3	0.2	25
26	1414.2	969	1.2	0.2	1419.0	1309	0.5	0.2	1408.2	640	1.0	0.1	1405.7	524	0.3	0.2	26
27	1414.7	1000	1.8	0.2	1419.1	1317	0.5	0.2	1408.4	650	1.0	0.1	1405.8	528	0.3	0.2	27
28	1415.0	1019	1.1	0.2	1419.1	1317	0.5	0.2	1409.4	699	3.2	0.8	1405.8	528	0.3	0.2	28
29					1419.2	1326	0.6	0.2	1410.7	767	5.3	1.8	1405.9	533	0.3	0.2	29
30					1419.3	1334	0.6	0.2	1410.8	772	2.0	1.8	1405.9	533	0.3	0.2	30
31					1419.4	1343	0.6	0.2					1405.9	533	0.3	0.2	31
TOTAL			19.6	5.6			22.5	6.2			29.3	58.1			20.2	32.2	
Inf. Ac. Ft.			38.9				44.6				58.1				40.1	248.3	
Outf. Ac. Ft.			11.1				12.3				115.2				63.9	251.7	
Maximum Mean Daily Inflow			1.8				2.2				5.3				1.5	5.3	
Minimum Mean Daily Inflow			0.5				0.4				0.4				0.3	0.1	
Storage Change		+27.8				+32.4				-57.1				-23.9		-3.2	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

½ Year

Max. W. S. Elev.	1420.8	feet	on 4-10-11-51	Storage	146.3	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	1405.0	feet	on 5-17-51	Storage	49.4	Acre Feet	A. R. BLEEMERS	Dam Tender	Gage Hts. copied	APK 6-21-51
Max. Peak Inf.	16.3	C.F.S. from	12:00 Mid. on 4-29-51	to	12:30 AM	on 4-29-51	F. E. STUNDEN	Hydrographer	Storage applied	APK
Max. Peak Outf.	4.8	C.F.S. from	9:00 AM on 4-11-51	to	12:00 Mid.	on 4-11-51		Hydrographer	Inf. & Outf. comp.	APK

REMARKS (Indicates average for period.
* Inflow interpolated.

F. C. Dist. Form 68C Revised 506 11/44

Daily Gage Height in feet and Operation Record of SAN DIMAS Dam

In San Dimas Canyon for the Year Ending September 30, 1951

Drainage Area 16.2 Square Miles. Capacity of Reservoir 1042.5 Ac. Ft. at Spillway Elev. 1462.0 Ft. as of November, 19 44 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	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	JULY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	AUGUST Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	SEPTEMBER Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Day
1	1405.9	533	0.3	0.2	1406.2	546	0.3	0.3	1405.9	533	0.2	0.2	1405.3	*507	0.1	0.2	1
2	1406.0	537	0.3	0.2	1406.2	546	0.3	0.3	1405.8	528	0.2	0.2	1405.2	503	0.1	0.2	2
3	1406.0	537	0.2	0.2	1406.2	546	0.3	0.3	1405.8	528	0.2	0.2	1405.2	503	0.1	0.2	3
4	1406.0	537	0.2	0.2	1406.2	546	0.3	0.3	1405.8	528	0.2	0.2	1405.2	503	0.1	0.2	4
5	1406.0	537	0.2	0.2	1406.2	546	0.3	0.3	1405.8	528	0.2	0.2	1405.2	503	0.1	0.2	5
6	1405.0	537	0.2	0.2	1406.2	546	0.3	0.3	1405.7	524	0.2	0.2	1405.2	503	0.1	0.2	6
7	1406.0	537	0.2	0.2	1406.2	546	0.3	0.3	1405.7	524	0.2	0.2	1405.2	503	0.2	0.2	7
8	1406.0	537	0.2	0.2	1406.1	542	0.3	0.3	1405.7	524	0.2	0.2	1405.2	503	0.2	0.2	8
9	1406.0	537	0.2	0.2	1406.1	542	0.3	0.3	1405.6	520	0.2	0.2	1405.1	498	0.2	0.2	9
10	1406.1	542	0.2	0.2	1406.1	542	0.3	0.3	1405.6	520	0.2	0.2	1405.1	498	0.2	0.2	10
11	1406.1	542	0.2	0.2	1406.1	542	0.3	0.3	1405.6	520	0.2	0.2	1405.1	498	0.2	0.1	11
12	1406.1	542	0.2	0.2	1406.1	542	0.3	0.3	1405.6	520	0.2	0.2	1405.2	503	0.2	0	12
13	1406.1	542	0.3	0.2	1406.1	542	0.3	0.3	1405.6	520	0.2	0.2	1405.2	503	0.2	0	13
14	1406.1	542	0.3	0.2	1406.1	542	0.3	0.3	1405.6	520	0.2	0.2	1405.3	507	0.2	0	14
15	1406.1	542	0.3	0.2	1406.1	542	0.3	0.3	1405.6	520	0.2	0.2	1405.4	511	0.2	0	15
16	1406.1	542	0.3	0.2	1406.1	542	0.3	0.3	1405.6	520	0.2	0.2	1405.4	511	0.1	0	16
17	1406.2	546	0.3	0.2	1406.1	542	0.3	0.3	1405.6	520	0.2	0.2	1405.5	516	0.1	0	17
18	1406.2	546	0.3	0.3	1406.1	542	0.3	0.3	1405.5	516	0.2	0.2	1405.5	516	0.1	0	18
19	1406.2	546	0.3	0.3	1406.1	542	0.3	0.3	1405.5	516	0.1	0.2	1405.6	520	0.1	0	19
20	1406.2	546	0.3	0.3	1406.1	542	0.3	0.3	1405.5	516	0.1	0.2	1405.7	524	0.1	0	20
21	1406.2	546	0.3	0.3	1406.0	537	0.2	0.3	1405.5	516	0.1	0.2	1405.7	524	0.1	0	21
22	1406.2	546	0.3	0.3	1406.0	537	0.3	0.3	1405.4	511	0.1	0.2	1405.8	528	0.1	0	22
23	1406.2	546	0.3	0.3	1406.0	537	0.3	0.3	1405.4	511	0.1	0.2	1405.9	533	0.1	0	23
24	1406.2	546	0.3	0.3	1406.0	537	0.3	0.3	1405.4	511	0.1	0.2	1405.9	533	0.1	0	24
25	1406.2	546	0.3	0.3	1406.0	537	0.3	0.3	1405.4	511	0.1	0.2	1406.0	537	0.2	0	25
26	1406.3	551	0.3	0.3	1405.9	533	0.2	0.3	1405.4	511	0.1	0.2	1406.1	542	0.2	0	26
27	1406.3	551	0.3	0.3	1405.9	533	0.2	0.3	1405.3	507	0.1	0.2	1406.1	542	0.1	0	27
28	1406.3	551	0.3	0.3	1405.9	533	0.2	0.3	1405.3	507	0.1	0.2	1406.2	546	0.2	0	28
29	1406.2	546	0.3	0.3	1405.9	533	0.2	0.3	1405.3	507	0.1	0.2	1406.2	546	0.1	0	29
30	1406.2	546	0.3	0.3	1405.9	533	0.2	0.3	1405.3	507	0.1	0.2	1406.3	551	0.2	0	30
31					1405.9	533	0.2	0.3	1405.3	507	0.1	0.2					31
TOTAL			8.0	7.3			8.6	9.3			4.9	6.2			4.3	2.1	
Inf. Ac. Ft.			15.9				17.1				9.7				8.5	2995	
Outf. Ac. Ft.			14.5				18.4				12.3				4.2	3011	
Maximum Mean Daily Inflow			0.3				0.3				0.2				0.2	5.3	
Minimum Mean Daily Inflow			0.2				0.2				0.1				0.1	0.1	
Storage Change		+1.3				-1.3				-2.6				4.4.4		-1.4	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Yearly Totals

Max. W. S. Elev.	1420.8	feet	on 4-10-11-51	Storage	146.3	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	1405.0	feet	on 5-17-51	Storage	49.4	Acre Feet	A. R. BLEEMERS	Dam Tender	Gage Hts. copied	WLT 10-18-51
Max. Peak Inf.	16.3	C.F.S. from	12:00 Mid. on 4-29-51	to	12:30 AM	on 4-29-51	F. E. STUNDEN	Hydrographer	Storage applied	WLT
Max. Peak Outf.	4.8	C.F.S. from	9:00 AM on 4-11-51	to	12:00 Mid.	on 4-11-51		Hydrographer	Inf. & Outf. comp.	WLT

REMARKS (Indicates average for period. APK

PUDDINGSTONE DIVERSION

F. C. Dist. Form 58A Revised 500 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of PUDDINGSTONE DIVERSION Dam

In San Dimas Creek

On

for the Year Ending September 30, 19 51

Continuous Water Stage Recorder Au

Drainage Area 2.6 Square Miles. Capacity of Reservoir 109.6 Ac. Ft. at Spillway Elev. 1152.5 Ft. as of September 19 44 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																	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					Reservoir dry during entire seasons of 1949-1950, 1950-1951												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																	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

½ Year

Max. W. S. Elev.	feet	on	Storage	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS ckd. Date
Min. W. S. Elev.	feet	on	Storage	Acre Feet		Dam Tender	Gage Hts. copied
Max. Peak Inf.	C. F. S. from		on	to on		Hydrographer	Storage applied
Max. Peak Outf.	C. F. S. from		on	to on		Hydrographer	Inf. & Outf. comp.

REMARKS

F. C. Dist. Form 88A Revised 906 11/44

Daily Gage Height in feet and Operation Record of PUDDINGSTONE Dam

In Puddingstone Creek for the Year Ending September 30, 1950

On

Drainage Area 32.2 Square Miles. Capacity of Reservoir 17190.0 Ac. Ft. at Spillway Elev. 970.0 Ft. as of January 1941 Survey Gage Heights Read Daily

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder Au

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	883.90	230.5	0	0	883.75	226.8	0.2	0	885.30	268.2	0.1	0	888.65	377.2	0.1	0	1
2	883.90	230.5	0	0	883.75	226.8	0.2	0	885.30	268.2	0.1	0	888.65	377.2	0.1	0	2
3	883.90	230.5	0	0	883.75	226.8	0.2	0	885.30	268.2	0.1	0	888.65	377.2	0.1	0	3
4	883.90	230.5	0	0	883.75	226.8	0.2	0	885.30	268.2	0.1	0	888.65	377.2	0.1	0	4
5	883.90	230.5	0.1	0	883.75	226.8	0.2	0	885.30	268.2	0.1	0	888.65	377.2	0.1	0	5
6	883.90	230.5	0.1	0	883.75	226.8	0.2	0	885.30	268.2	0.1	0	888.65	377.2	0.1	0	6
7	883.90	230.5	0.1	0	883.75	226.8	0.2	0	885.30	268.2	0.1	0	888.65	377.2	0.1	0	7
8	883.90	230.5	0.1	0	883.75	226.8	0.2	0	885.30	268.2	0.1	0	889.35	403.5	1.3.3	0	8
9	883.90	230.5	0.1	0	883.85	229.3	1.5	0	885.30	268.2	0.1	0	889.35	403.5	(0.6	0	9
10	883.90	230.5	0.1	0	885.40	271.1	2.1.2	0	885.30	268.2	0.1	0	889.40	405.5	0.6)	0	10
11	883.90	230.5	0.1	0	885.40	271.1	0.2	0	885.30	268.2	0.1	0	890.30	441.1	1.8.1	0	11
12	883.90	230.5	0.1	0	885.40	271.1	0.2	0	885.30	268.2	0.1	0	890.45	447.3	3.2	0	12
13	883.90	230.5	0.1	0	885.40	271.1	0.2	0	885.30	268.2	0.1	0	890.45	447.3	0.1	0	13
14	883.90	230.5	0.1	0	885.40	271.1	0.2	0	885.30	268.2	0.1	0	890.50	449.4	1.2	0	14
15	883.90	230.5	0.1	0	885.35	269.6	(0.1	0	885.30	268.2	0.1	0	890.50	449.4	0.1	0	15
16	883.90	230.5	0.1	0	885.35	269.6	0.1)	0	885.30	268.2	0.1	0	890.55	451.5	1.1	0	16
17	883.90	230.5	0.1	0	885.35	269.6	0	0	885.30	268.2	0.1	0	890.55	451.5	0.1	0	17
18	883.90	230.5	0	0	885.35	269.6	0	0	887.65	341.7	3.7.2	0	890.55	451.5	0.1	0	18
19	883.90	230.5	0	0	885.35	269.6	0	0	888.65	377.2	1.8.0	0	890.55	451.5	0.1	0	19
20	883.85	229.3	0	0	885.35	269.6	0	0	888.70	379.1	1.0	0	890.55	451.5	0.1	0	20
21	883.85	229.3	0	0	885.35	269.6	0	0	888.70	379.1	0.1	0	890.55	451.5	0.1	0	21
22	883.80	228.1	0	0	885.35	269.6	0	0	888.70	379.1	0.1	0	890.55	451.5	0.1	0	22
23	883.80	228.1	0.1	0	885.35	269.6	0	0	888.70	379.1	0.1	0	890.55	451.5	0.1	0	23
24	883.80	228.1	0.1	0	885.35	269.6	0	0	888.70	379.1	0.1	0	890.55	451.5	0.1	0	24
25	883.80	228.1	0.1	0	885.35	269.6	0	0	888.70	379.1	0.1	0	890.55	451.5	0.1	0	25
26	883.80	228.1	0.1	0	885.35	269.6	0	0	888.70	379.1	0.1	0	890.55	451.5	0.1	0	26
27	883.80	228.1	0.1	0	885.30	268.2	0	0	888.70	379.1	0.1	0	890.55	451.5	0.1	0	27
28	883.80	228.1	0.1	0	885.30	268.2	0	0	888.70	379.1	0.1	0	890.60	453.5	0.1	0	28
29	883.80	228.1	0.1	0	885.30	268.2	0.1	0	888.70	379.1	0.1	0	890.75	459.7	3.3	0	29
30	883.80	228.1	0.1	0	885.30	268.2	(0.1	0	888.70	379.1	0.1	0	890.75	459.7	0.1	0	30
31	883.75	226.8	0.1	0					888.65	377.2	0.1	0	890.75	459.7	0.1	0	31
TOTAL			2.2	0			2.5.5				5.9.0	0			4.4.7	0	
Inf. Ac. Ft.			4.4				5.0.6				1.1.7.0				8.8.7	2.6.0.7	
Outf. Ac. Ft.			0 + (9.3)				0 + (9.2)				.0 + (8.0)		0 + (6.2)		0 + (3.2.7)		
Maximum Mean Daily Inflow			0.1				2.1.2				3.7.2				1.8.1	0	
Minimum Mean Daily Inflow			0				0				0.1				0.1	0	
Storage Change		+ 4.9				+ 4.1.4				+ 1.0.9.0				+ 8.2.5		+ (2.2.8.0)	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

½ Year

Max. W. S. Elev.	895.00	feet on 4-9 & 4-10-50 Storage 659. Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	883.75	feet on 10-31 to 11-9-49 Storage 227. Acre Feet	F. A. POLLARD	Dam Tender	Gage Hts. copied JHL	CJR 4-18-50
Max. Peak Inf.	178.	C. F. S. from 6:00 AM on 2-6-50 to 8:00 AM on 2-6-50	F. E. STUNDEN	Hydrographer	Storage applied JHL	CJR
Max. Peak Outf.	5.0	C. F. S. from on Various times to in June & July on		Hydrographer	Inf. & Outf. comp. JHL	CJR

REMARKS (Indicates average for period
( ) Indicates evaporation, percolation, and leakage losses.

F. C. Dist. Form 88 Revised 600 5/39

Daily Gage Height in feet and Operation Record of PUDDINGSTONE Dam

In Puddingstone Creek for the Year Ending September 30, 1950

On

Drainage Area 32.2 Square Miles. Capacity of Reservoir 17190.0 Ac. Ft. at Spillway Elev. 970.0 Ft. January 1941 Gage Heights Read Daily

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DEPARTMENT

Continuous Water Stage Recorder Au

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	890.75	459.7	(0.3	0	893.85	600.2	0	0	894.90	653.6	0	0	894.80	648.5	0	0	1
2	890.80	461.7	0.3	0	893.85	600.2	0	0	894.90	653.6	0	0	894.80	648.5	0	0	2
3	890.80	461.7	0.3	0	893.85	600.2	0	0	894.90	653.6	0	0	894.80	648.5	0	0	3
4	890.80	461.7	0.3	0	893.85	600.2	0	0	894.85	651.1	0	0	894.80	648.5	0	0	4
5	890.80	461.7	0.3)	0	893.85	600.2	0	0	894.85	651.1	0	0	894.75	645.9	0	0	5
6	893.25	571.2	5.5.3	0	893.85	600.2	0	0	894.85	651.1	0	0	894.75	645.9	0	0	6
7	893.40	578.5	3.8	0	893.85	600.2	0	0	894.85	651.1	0	0	894.75	645.9	0	0	7
8	893.50	583.3	(1.4	0	893.85	600.2	0	0	894.90	653.6	1.5	0	894.75	645.9	0	0	8
9	893.50	583.3	1.3)	0	893.85	600.2	0	0	895.00	658.7	2.8	0	894.70	643.3	0	0	9
10	893.75	595.4	6.2	0	893.85	600.2	0	0	895.00	658.7	0	0	894.70	643.3	0	0	10
11	893.80	597.8	1.3	0	893.80	597.8	0	0	894.95	656.2	0	0	894.70	643.3	0	0	11
12	893.85	600.2	1.3	0	893.80	597.8	0	0	894.95	656.2	0	0	894.70	643.3	0	0	12
13	893.85	600.2	0.9	0	893.80	597.8	0	0	894.95	656.2	0	0	894.65	640.8	0	0	13
14	893.85	600.2	0.6	0	893.80	597.8	0	0	894.95	656.2	0	0	894.65	640.8	0	0	14
15	893.90	602.7	0.2	0	893.80	597.8	0	0	894.90	653.6	0	0	894.65	640.8	0	+	15
16	893.90	602.7	0	0	893.80	597.8	0	0	894.90	653.6	0	0	894.65	640.8	0	0	16
17	893.90	602.7	0	0	893.80	597.8	0	0	894.90	653.6	0	0	894.65	640.8	0	0	17
18	893.90	602.7	0	0	893.80	597.8	0	0	894.90	653.6	0	0	894.65	640.8	0	0	18
19	893.90	602.7	0	0	893.75	595.4	0	0	894.85	651.1	0	0	894.60	638.2	0	0	19
20	893.90	602.7	0	0	893.75	595.4	0	0	894.85	651.1	0	0	894.60	638.2	0	0	20
21	893.90	602.7	0	0	893.90	602.7	3.9	0	894.85	651.1	0	0	894.60	638.2	0	0	21
22	893.90	602.7	0	0	894.50	633.1	1.5.5	0	894.85	651.1	0	0	894.60	638.2	0	0	22
23	893.90	602.7	0	0	894.75	645.9	6.6	0	894.85	651.1	0	0	894.60	638.2	0	0	23
24	893.90	602.7	0	0	894.95	656.2	5.4	0	894.85	651.1	0	0	894.60	638.2	0	0	24
25	893.90	602.7	0	0	894.95	656.2	(0.1	0	894.85	651.1	0	0	894.55	635.7	0	0	25
26	893.90	602.7	0	0	894.95	656.2	0	0	894.80	648.5	0	0	894.55	635.7	0	0	26
27	893.85	600.2	0	0	894.95	656.2	0	0	894.80	648.5	0	0	894.55	635.7	0	0	27
28	893.85	600.2	0	0	894.95	656.2	0	0	894.80	648.5	0	0	894.55	635.7	0	0	28
29					894.90	653.6	0	0	894.80	648.5	0	0	894.50	633.1	0	0	29
30					894.90	653.6	0	0	894.80	648.5	0	0	894.50	633.1	0	0	30
31					894.90	653.6	(0	0					894.50	633.1	0	0	31
TOTAL			7.3.8	0			3.1.5	0			4.3	0			0	+	
Inf. Ac. Ft.			1.4.6.4				6.2.5				8.5				0	4.7.8.1	
Outf. Ac. Ft.			0 + (5.9)				0 + (9.1)				0 + (1.3.6)				(1.5.4)	(7.6.7)	
Maximum Mean Daily Inflow			5.5.3				1.5.5				2.8				0	5.5.3	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		+ 1.4.0.5				+ 5.3.4				- 5.1				- 1.5.4		+ 4.0.1.4	

REMARKS

½ Year

Max. W. S. Elev.	895.0	feet on 4-9, 10-50 Storage 659. Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	Date
Min. W. S. Elev.	883.75	feet on 10-31 to 11-9-49 Storage 227. Acre Feet	F. A. POLLARD	Dam Tender	Gage Hts. copied JHL	GPB
Max. Peak Inf.	178.	C. F. S. from 6:00 AM on 2-6-50 to 8:00 AM on 2-6-50	F. E. STUNDEN	Hydrographer	Storage applied JHL	GPB
Max. Peak Outf.	5.0	C. F. S. from Various times on in June and to July on		Hydrographer	Inf. & Outf. computed JHL	GPB
					Checked	

(Indicates average for period. ( ) Indicates evaporation, percolation and leakage losses.

F. C. Dist. Form 68 Revised 800 5/39

Daily Gage Height in feet and Operation Record of PUDDINGSTONE

In / On Puddingstone Creek for the Year Ending September 30, 1950.

FLOOD CONTROL DISTRICT
HYDRAULIC DEPARTMENT

Continuous Water Stage Recorder At

Drainage Area 32.2 Square Miles. Capacity of Reservoir 17190.0 Ac. Ft. at Spillway Elev. 970.0 Ft. as of January 1941 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	894.50	633.1	0	0	891.90	509.0	0.05	(4.0	890.45	447.3	0.05	0	890.05	430.9	0.1	0	1
2	894.45	630.6	0	0	891.70	500.3	0.05	4.0)	890.40	445.2	(0.1	0	890.05	430.9	0.1	0	2
3	894.45	630.6	0	0	891.55	493.8	0.05	2.8	890.40	445.2	0.1	0	890.05	430.9		0	3
4	894.45	630.6	0	0	891.40	487.3	0.05	3.2	890.40	445.2	0.1	0	890.00	428.8		0	4
5	894.45	630.6	0	0	891.20	478.6	0.05	2.8	890.35	443.2	0.1)	0	890.00	428.8		0	5
6	894.45	630.6	0	0	891.10	474.2	0.05	1.7	890.35	443.2	(0.1	0	890.00	428.8		0	6
7	894.40	628.0	0	0	891.00	469.9	0.05	2.2	890.30	441.1	0.1	0	890.00	428.8		0	7
8	894.40	628.0	0	0	890.95	467.9	0.05	1.3	890.30	441.1	0.1	0	890.00	428.8		0	8
9	894.35	625.5	0	0.5	890.95	467.9	0.05	0	890.30	441.1	0.1	0	890.00	428.8		0	9
10	894.25	620.3	0	2.4	890.95	467.9	0.05	0	890.25	439.1	0.1	0	890.00	428.8		0	10
11	894.15	615.2	0.05	2.4	890.95	467.9	0.05	0	890.25	439.1	0.1	0	889.95	426.8		0	11
12	894.15	615.2	0.05	0	890.80	461.7	0.05	1.2	890.20	437.0	0.1	0	889.95	426.8		0	12
13	894.10	612.6	0.05	0	890.80	461.7	0.05	0	890.20	437.0	0.1	0	889.95	426.8		0	13
14	894.10	612.6	0.05	0	890.80	461.7	0.05	0	890.30	441.1	2.1	0	889.90	424.9		0	14
15	894.00	607.5	0.05	2.2	890.75	459.7	0.05	0	890.30	441.1	0.1	0	889.90	424.9		0	15
16	893.90	602.7	0.05	2.1	890.75	459.7	0.05	0	890.30	441.1	0.1	0	889.90	424.9		0	16
17	893.80	597.8	0.05	2.1	890.70	457.6	0.05	0	890.30	441.1	0.1	0	889.90	424.9		0	17
18	893.70	593.0	0.05	2.1	890.70	457.6	0.05	0	890.30	441.1	0.1	0	889.90	424.9		0	18
19	893.60	588.1	0.05	2.4	890.70	457.6	0.05	0	890.25	439.1	0.1	0	889.85	422.9		0	19
20	893.50	583.3	0.05	2.4	890.65	455.6	0.05	0	890.25	439.1	0.1	0	889.85	422.9		0	20
21	893.35	576.0	0.05	2.4	890.65	455.6	0.05	0	890.25	439.1	0.1	0	889.85	422.9		0	21
22	893.25	571.2	0.05	2.4	890.60	453.5	0.05	0	890.20	437.0	0.1	0	889.85	422.9		0	22
23	893.10	563.9	0.05	2.9	890.60	453.5	0.05	0	890.20	437.0	0.1	0	889.80	421.0		0	23
24	893.00	559.1	0.05	2.9	890.60	453.5	0.05	0	890.20	437.0	0.1	0	889.80	421.0		0	24
25	892.85	552.2	0.05	2.9	890.55	451.5	0.05	0	890.20	437.0	0.1	0	889.80	421.0		0	25
26	892.75	547.7	0.05	1.7	890.55	451.5	0.05	0	890.15	435.0	(0.1	0	889.80	421.0		0	26
27	892.65	543.1	0.05	2.1	890.55	451.5	0.05	0	890.15	435.0	0.05	0	889.75	419.1		0	27
28	892.45	533.9	0.05	4.2	890.50	449.4	0.05	0	890.15	435.0	0.05	0	889.75	419.1		0	28
29	892.25	524.8	0.05	4.2	890.50	449.4	0.05	0	890.10	432.9	0.05	0	889.75	419.1		0	29
30	892.10	517.9	0.05	3.1	890.45	447.3	0.05	0	890.10	432.9	0.05	0	889.75	419.1		0	30
31					890.45	447.3	0.05	0	890.10	432.9	0.05	0					31
TOTAL			1.0	47.4			1.55	23.2			4.8	0			0.2	0	
Inf. Ac. Ft.			2.0				3.1				9.5				0.4	4.9 3.1	
Outf. Ac. Ft.			94.0 + (23.2)				46.0 + (27.8)				0 + (24.0)				0 + (14.1)	140.0 + (165.8)	
Maximum Mean Daily Inflow			0				0				2.1				0.1	55.3	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		-115.2				-70.6				-14.4				-13.8		+187.4	
REMARKS																Yearly Totals	

*Irrigation waste less than 0.05 c. f. s.

Max. W. S. Elev.	895.0	feet on 4-9, 10-50	Storage	659.	Acre Feet	
Min. W. S. Elev.	883.75	feet on 10-31 to 11-9-49	Storage	227.	Acre Feet	
Max. Peak Inf.	178.	C. F. S. from 6:00 AM on 2-6-50	to	8:00 AM	on	2-6-50
Max. Peak Outf.	5.0	C. F. S. from Various times on in June and to July			on	

RECORDS COLLECTED BY

F. A. POLLARD	Dam Tender	
F. E. STUNDEN	Hydrographer	
	Hydrographer	

COMPUTATIONS — Date

Gage Hts. copied	GPB JHL
Storage applied	GPB JHL
Inf. & Outf. computed	" "
Checked	10-31-50

( ) Indicates mean for period. (.) Indicates evaporation, percolation and leakage losses.

F. C. Dist. Form 68A Revised 500 11/44

Daily Gage Height in feet and Operation Record of PUDDINGSTONE Dam

In / On Puddingstone Creek for the Year Ending September 30, 1951

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder Au

Drainage Area 32.2 Square Miles. Capacity of Reservoir 17,190.0 Ac. Ft. at Spillway Elev. 970.0 Ft. as of January 1941 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	889.70	417.2	(0.1	0	886.50	304.0		3.0	886.20	294.7	0.2	0	886.15	293.1	0	0	1
2	889.70	417.2	0.1	0	886.45	302.5		0.5	886.20	294.7	0.2	0	886.15	293.1	0	0	2
3	889.70	417.2	0.1	0	886.35	299.4		1.4	886.20	294.7	0.2	0	886.15	293.1	0	0	3
4	889.70	417.2	0.1	0	886.20	294.7		2.2	886.20	294.7	0.2	0	886.20	294.7	0.8	0	4
5	889.70	417.2	0.1	0	886.00	288.4		2.9	886.20	294.7	0.2	0	886.20	294.7	0	0	5
6	889.70	417.2	0.1	0	885.80	282.6		2.8	886.20	294.7	0.2	0	886.20	294.7	0	0	6
7	889.70	417.2	0.1	0	885.65	278.3		1.9	886.25	296.2	0.3	0	886.15	293.1	0	0	7
8	889.70	417.2	0.1	0	885.40	271.1		3.6	886.25	296.2	0.2	0	886.15	293.1	0	0	8
9	889.70	417.2	0.1	0	885.20	265.4		2.7	886.20	294.7	0.2	0	886.15	293.1	0	0	9
10	889.70	417.2	0.1	0	885.05	261.0		2.2	886.20	294.7	0.1	0	886.25	296.3	1.6	0	10
11	889.65	415.2	0.1	0	884.95	256.9		1.9	886.20	294.7	0.1	0	886.65	308.8	6.3	0	11
12	889.65	415.2	0.1	0	885.90	256.9	0.1	0	886.20	294.7	0.1	0	886.65	308.8	0.1	0	12
13	889.65	415.2	0.05	0	885.45	272.5	7.8	0	886.20	294.7	0.1	0	886.65	308.8	0.1	0	13
14	889.65	415.2	0.05	0	885.70	279.8	3.7	0	886.20	294.7	0.1	0	886.65	308.8	0.1	0	14
15	889.60	413.3	0.05	0	885.70	279.8	0.1	0	886.20	294.7	0.1	0	886.65	308.8	0.1	0	15
16	889.60	413.3	0.05	0	885.70	279.8	0.1	0	886.20	294.7	0.1	0	886.70	310.3	0.8	0	16
17	889.50	409.4		1.7	885.70	279.8	0.1	0	886.20	294.7	0.1	0	886.70	310.3	0.1	0	17
18	889.30	401.6		3.6	885.75	281.2	0.8	0	886.20	294.7	0.1	0	886.70	310.3	0.1	0	18
19	889.05	391.9		4.6	886.15	293.1	6.0	0	886.20	294.7	0.1	0	887.15	324.8	7.3	0	19
20	888.80	382.7		4.3	886.15	293.1	(0.5	0	886.20	294.7	0.1	0	887.15	324.8	0.2	0	20
21	888.60	375.4		3.4	886.20	294.7	0.4)	0	886.20	294.7	0.1	0	887.15	324.8	0.2	0	21
22	888.35	366.3		4.3	886.20	294.7	0.2	0	886.20	294.7	0.1	0	887.15	324.8	0.1	0	22
23	888.10	357.2		4.3	886.20	294.7	0.2	0	886.20	294.7	0.1	0	887.15	324.8	0.1	0	23
24	887.90	350.2		3.2	886.20	294.7	0.2	0	886.20	294.7	0.1	0	887.15	324.8	0.1	0	24
25	887.70	343.4		3.1	886.20	294.7	0.2	0	886.20	294.7	0.1	0	887.15	324.8	0.1	0	25
26	887.55	338.4		2.4	886.20	294.7	0.2	0	886.20	294.7	0.1	0	887.15	324.8	0.1	0	26
27	887.40	333.3		2.3	886.20	294.7	0.2	0	886.20	294.7	0.1	0	887.15	324.8	0.1	0	27
28	887.20	326.5		3.3	886.20	294.7	0.2	0	886.20	294.7	0.1	0	887.15	324.8	0.1	0	28
29	887.00	319.7		3.2	886.20	294.7	0.2	0	886.20	294.7	0.1	0	888.05	355.4	15.4	0	29
30	886.85	315.0		2.2	886.20	294.7	0.2	0	886.20	294.7	0.1	0	888.05	355.4	0.2	0	30
31	886.70	310.3		2.1					886.20	294.7	0.1	0	888.05	355.4	0.1	0	31
TOTAL			1.4	48.0			21.4	25.1			4.1	0			34.2	0	
Inf. Ac. Ft.			2.8				42.4				8.1				67.6	121.1	
Outf. Ac. Ft.			95.2 + (16.3)				49.8 + (8.3)				0 + (8.1)				0 + (7.1)	145.0 + (39.8)	
Maximum Mean Daily Inflow			0.1				7.8				0.3				15.4	15.4	
Minimum Mean Daily Inflow			0				0				0.1				0	0	
Storage Change		-108.8				-15.6				0				-60.7		-63.7	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

¼ Year

Max. W. S. Elev.	889.75	feet on 10-1-50	Storage	419.1	Acre Feet	
Min. W. S. Elev.	884.90	feet on 11-11-13-50	Storage	256.9	Acre Feet	
Max. Peak Inf.	162.	C. F. S. from 12:20 PM on 1-29-51	to	12:50 PM	on	1-29-51
Max. Peak Outf.	7.0	C. F. S. from 6:30 AM on 10-19-50	to	3:10 PM	on	10-19-50

RECORDS COLLECTED BY

F. A. POLLARD	Dam Tender	
F. E. STUNDEN	Hydrographer	
	Hydrographer	

COMPUTATIONS — ckd. — Date

Gage Hts. copied	GPB JHL	
Storage applied	GPB JHL	
Inf. & Outf. comp.	GPB JHL	4-24-51

REMARKS ( ) Indicates average for period.
( ) Indicates evaporation, percolation and leakage losses.

PUDDINGSTONE (cont'd.)

F. C. Dist. Form 60B Revised 500 11/44

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 51

Continuous Water Stage Recorder Au

Drainage Area 32.2 Square Miles. Capacity of Reservoir 17,190.0 Ac. Ft. at Spillway Elev. 970.0 Ft. as of January 1941 Survey Gage Heights Read Daily

Day	FEBRUARY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	MARCH Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	APRIL Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	MAY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow		Day
1	888.05	355.4	0.1	0	888.25	362.7	2.0	0	888.05	355.4	0.05	0	888.40	368.2	0	0		1
2	888.05	355.4	0.1	0	888.25	362.7	0.2	0	888.05	355.4	0.05	0	888.40	368.2	0	0		2
3	888.05	355.4	0.1	0	888.25	362.7	0.1	0	888.05	355.4	0.06	0	888.40	368.2	0	0		3
4	888.05	355.4	0.1	0	888.25	362.7	0.05	0	888.05	355.4	0.06	0	888.40	368.2	0	0		4
5	888.05	355.4	0.1	0	888.20	360.9	0.05	0	888.05	355.4	0.06	0	888.35	366.3	0	0		5
6	888.05	355.4	0.1	0	888.20	360.9	0.05	0	888.05	355.4	0.06	0	888.35	366.3	0	0		6
7	888.05	355.4	0.1	0	888.20	360.9	0.05	0	888.05	355.4	0.06	0	888.35	366.3	0	0		7
8	888.05	355.4	0.1	0	888.20	360.9	0.05	0	888.05	355.4	0.06	0	888.35	366.3	0	0		8
9	888.05	355.4	0	0	888.20	360.9	0.05	0	888.05	355.4	0.06	0	888.30	364.5	0	0		9
10	888.05	355.4	0	0	888.20	360.9	0.05	0	888.05	355.4	0.06	0	888.30	364.5	0	0		10
11	888.05	355.4	0	0	888.20	360.9	0.05	0	888.05	355.4	0.06	0	888.30	364.5	0	0		11
12	888.05	355.4	0.1	0	888.20	360.9	0.05	0	888.00	353.6	0.06	0	888.30	364.5	0	0		12
13	888.05	355.4	0.1	0	888.20	360.9	0.05	0	888.00	353.6	0.06	0	888.30	364.5	0	0		13
14	888.00	353.6	0.1	0	888.20	360.9	0.05	0	888.00	353.6	0.06	0	888.30	364.5	0	0		14
15	888.00	353.6	0.1	0	888.15	359.0	0.05	0	888.00	353.6	0.06	0	888.25	362.7	0	0		15
16	888.00	353.6	0.1	0	888.15	359.0	0.05	0	888.00	353.6	0.05	0	888.25	362.7	0	0		16
17	888.00	353.6	0.1	0	888.15	359.0	0.05	0	888.00	353.6	0.05	0	888.25	362.7	0	0		17
18	888.00	353.6	0.1	0	888.15	359.0	0.05	0	888.00	353.6	0.06	0	888.20	360.9	0	0		18
19	888.00	353.6	0.1	0	888.15	359.0	0.05	0	887.95	351.9	0.06	0	888.20	360.9	0	0		19
20	888.00	353.6	0.1	0	888.15	359.0	0.05	0	887.95	351.9	0.06	0	888.20	360.9	0	0		20
21	888.00	353.6	0.1	0	888.15	359.0	0.05	0	887.95	351.9	0.06	0	888.20	360.9	0	0		21
22	888.00	353.6	0.1	0	888.10	357.2	0.05	0	887.95	351.9	0.06	0	888.15	359.0	0	0		22
23	888.00	353.6	0.1	0	888.10	357.2	0.05	0	887.95	351.9	0.06	0	888.15	359.0	0	0		23
24	888.00	353.6	0.1	0	888.10	357.2	0.05	0	887.95	351.9	0.06	0	888.15	359.0	0	0		24
25	888.00	353.6	0.1	0	888.10	357.2	0.05	0	888.10	357.2	2.7	0	888.15	359.0	0	0		25
26	888.10	357.2	1.9	0	888.10	357.2	0	0	888.10	357.2	0.1	0	888.10	357.2	0	0		26
27	888.15	359.0	1.0	0	888.10	357.2	0	0	888.10	357.2	0.1	0	888.10	357.2	0	0		27
28	888.15	359.0	0.1	0	888.05	355.4	0	0	888.35	366.3	4.7	0	888.40	368.2	5.7	0		28
29					888.05	355.4	0	0	888.40	368.2	1.0	0	888.75	380.9	6.6	0		29
30					888.05	355.4	0	0	888.40	368.2	0.1	0	888.70	379.1	0	0		30
31					888.05	355.4	0	0				0	888.70	379.1	0	0		31
TOTAL			5.2	0			3.4	0			10.1	0			12.3	0		
Inf. Ac. Ft.			10.3				6.7				20.0				24.4		182.5	
Outf. Ac. Ft.			0 +	(6.7)			0 +	(10.3)			0 +	(7.1)			0 +	(13.5)	145.0 + (77.4)	
Maximum Mean Daily Inflow			1.9				2.0				4.7				6.6		15.4	
Minimum Mean Daily Inflow			0				0				0.05				0		0	
Storage Change	+3.6				-3.6				+12.8				+10.9				-40.0	
																	⅔ Year	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	889.75	feet	on	10-1-50	Storage	419.1	Acre Feet	
Min. W. S. Elev.	884.90	feet	on	11-11-13-50	Storage	256.9	Acre Feet	
Max. Peak Inf.	162.	C. F. S. from	12:20 PM	on 1-29-51	to	12:50 PM	on	1-29-51
Max. Peak Outf.	7.0	C. F. S. from	6:30 AM	on 10-19-50	to	3:10 PM	on	10-19-50

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
F. A. POLLARD	Dam Tender	Gage Hts. copied	WLT	8-18-51
F. E. STUNDEN	Hydrographer	Storage applied	WLT	
	Hydrographer	Inf. & Outf. comp.	WLT	
			APK	

REMARKS { Indicates average for period.
( ) Indicates evaporation, percolation and leakage losses.

F. C. Dist. Form 60C Revised 500 11/44

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 51.

Continuous Water Stage Recorder Au

Drainage Area 32.2 Square Miles. Capacity of Reservoir 17,190.0 Ac. Ft. at Spillway Elev. 970.0 Ft. as of January 19 41 Survey Gage Heights Read Daily

Day	JUNE Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	JULY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	AUGUST Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	SEPTEMBER Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow		Day
1	888.70	379.1	0	0	888.20	360.9	0	0	887.60	340.0	0	0	887.00	319.7	0	0		1
2	888.65	377.2	0	0	888.20	360.9	0	0	887.60	340.0	0	0	887.00	319.7	0	0		2
3	888.65	377.2	0	0	888.20	360.9	0	0	887.55	338.4	0	0	887.00	319.7	0	0		3
4	888.65	377.2	0	0	888.15	359.0	0	0	887.55	338.4	0	0	887.00	319.7	0	0		4
5	888.60	375.4	0	0	888.15	359.0	0	0	887.50	336.7	0	0	886.95	318.2	0	0		5
6	888.60	375.4	0	0	888.10	357.2	0	0	887.50	336.7	0	0	886.95	318.2	0	0		6
7	888.55	373.6	0	0	888.10	357.2	0	0	887.45	335.0	0	0	886.95	318.2	0	0		7
8	888.55	373.6	0	0	888.10	357.2	0	0	887.45	335.0	0	0	886.90	316.6	0	0		8
9	888.55	373.6	0	0	888.05	355.4	0	0	887.45	335.0	0	0	886.90	316.6	0	0		9
10	888.55	373.6	0	0	888.05	355.4	0	0	887.40	333.3	0	0	886.90	316.6	0	0		10
11	888.50	371.8	0	0	888.05	355.4	0	0	887.40	333.3	0	0	886.90	316.6	0	0		11
12	888.50	371.8	0	0	888.00	353.6	0	0	887.40	333.3	0	0	886.85	315.0	0	0		12
13	888.50	371.8	0	0	888.00	353.6	0	0	887.35	331.6	0	0	886.85	315.0	0	0		13
14	888.50	371.8	0	0	887.95	351.9	0	0	887.35	331.6	0	0	886.85	315.0	0	0		14
15	888.45	370.0	0	0	887.95	351.9	0	0	887.30	329.9	0	0	886.85	315.0	0	0		15
16	888.45	370.0	0	0	887.95	351.9	0	0	887.30	329.9	0	0	886.80	313.4	0	0		16
17	888.45	370.0	0	0	887.90	350.2	0	0	887.30	329.9	0	0	886.80	313.4	0	0		17
18	888.40	368.2	0	0	887.90	350.2	0	0	887.25	328.2	0	0	886.80	313.4	0	0		18
19	888.40	368.2	0	0	887.90	350.2	0	0	887.25	328.2	0	0	886.80	313.4	0	0		19
20	888.40	368.2	0	0	887.85	348.5	0	0	887.20	326.5	0	0	886.75	311.9	0	0		20
21	888.35	366.3	0	0	887.85	348.5	0	0	887.20	326.5	0	0	886.75	311.9	0	0		21
22	888.35	366.3	0	0	887.80	346.8	0	0	887.20	326.5	0	0	886.75	311.9	0	0		22
23	888.35	366.3	0	0	887.80	346.8	0	0	887.15	324.8	0	0	886.70	310.3	0	0		23
24	888.35	366.3	0	0	887.75	345.1	0	0	887.15	324.8	0	0	886.70	310.3	0	0		24
25	888.30	364.5	0	0	887.75	345.1	0	0	887.15	324.8	0	0	886.70	310.3	0	0		25
26	888.30	364.5	0	0	887.75	345.1	0	0	887.10	323.1	0	0	886.70	310.3	0	0		26
27	888.30	364.5	0	0	887.70	343.4	0	0	887.10	323.1	0	0	886.70	310.3	0	0		27
28	888.25	362.7	0	0	887.70	343.4	0	0	887.10	323.1	0	0	886.65	308.8	0	0		28
29	888.25	362.7	0	0	887.70	343.4	0	0	887.05	321.4	0	0	886.65	308.8	0	0		29
30	888.25	362.7	0	0	887.65	341.7	0	0	887.05	321.4	0	0	886.65	308.8	0	0		30
31					887.65	341.7	0	0	887.05	321.4	0	0						31
TOTAL			0	0			0	0			0	0			0	0		
Inf. Ac. Ft.			0				0				0				0		182.5	
Outf. Ac. Ft.			0 +	(16.5)			0 +	(21.0)			0 +	(20.2)			0 +	(12.7)	145.0 + (147.8)	
Maximum Mean Daily Inflow			0				0				0				0		15.4	
Minimum Mean Daily Inflow			0				0				0				0		0	
Storage Change	-16.4				-21.0				-20.3				-12.6				-110.3	
																	Yearly Totals	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	889.75	feet	on	10-1-50	Storage	419.1	Acre Feet	
Min. W. S. Elev.	884.90	feet	on	11-11-13-50	Storage	256.9	Acre Feet	
Max. Peak Inf.	162.	C. F. S. from	12:20 PM	on 1-29-51	to	12:50 PM	on	1-29-51
Max. Peak Outf.	7.0	C. F. S. from	6:30 AM	on 10-19-50	to	3:10 PM	on	10-19-50

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
F. A. POLLARD	Dam Tender	Gage Hts. copied	WLT	8-18-51
F. E. STUNDEN	Hydrographer	Storage applied	WLT	
	Hydrographer	Inf. & Outf. comp.	WLT	
			APK	

REMARKS { Indicates average for period.
( ) Indicates evaporation, percolation and leakage losses.

LIVE OAK

F. C. Dist. Form 68A Revised 500 11/44

Daily Gage Height in feet and Operation Record of LIVE OAK Dam

In Live Oak Canyon for the Year Ending September 30, 1950

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder Au

Drainage Area 2.3 Square Miles. Capacity of Reservoir 227.5 Ac. Ft. at Spillway Elev. 1497.0 Ft. as of May, 1936 Survey Gage Heights Read at various times

Day	OCTOBER Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	NOVEMBER Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	DECEMBER Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	JANUARY Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Day
1	1445±		0	0	1445±		0	0	1445±		0	0	1447.2	0.1		0	1
2			0	0			0	0			0	0	1447.3	0.1		0	2
3			0	0			0	0			0	0	1447.3	0.1		0	3
4			0	0			0	0			0	0	1447.4	0.2		0	4
5			0	0			0	0			0	0	1447.4	0.2		0	5
6			0	0			0	0			0	0	1447.4	0.2		0	6
7			0	0			0	0			0	0	1447.4	0.2		0	7
8			0	0			0	0			0	0	1447.6	0.2		0	8
9			0	0			0	0			0	0	1447.6	0.2		0	9
10			0	0			0	0			0	0	1447.6	0.2		0	10
11			0	0			0	0			0	0	1447.7	0.2		0	11
12	Dry		0	0	Dry		0	0			0	0	1447.8	0.2		0	12
13			0	0			0	0			0	0	1447.8	0.2		0	13
14			0	0			0	0			0	0	1447.9	0.2		0	14
15			0	0			0	0			0	0	1447.9	0.2		0	15
16			0	0			0	0			0	0	1447.9	0.2		0	16
17			0	0			0	0			0	0	1448.0	0.2		0	17
18			0	0			0	0	1445	0	0	0	1448.0	0.2		0	18
19			0	0			0	0	1446.5	0.1	(0.3	0	1448.0	0.2		0	19
20			0	0			0	0	1446.2	0.1	+)	0	1448.0	0.2		0	20
21			0	0			0	0	1446.2	0.1		0	1448.0	0.2		0	21
22			0	0			0	0	1446.2	0.1		0	1448.0	0.2		0	22
23			0	0			0	0	1446.3	0.1		0	1448.0	0.2		0	23
24			0	0			0	0	1446.4	0.1		0	1448.0	0.2		0	24
25			0	0			0	0	1446.5	0.1		0	1448.0	0.2		0	25
26			0	0			0	0	1446.7	0.1		0	1448.0	0.2		0	26
27			0	0			0	0	1446.8	0.1		0	1448.0	0.2		0	27
28			0	0			0	0	1446.9	0.1		0	1448.1	0.2		0	28
29			0	0			0	0	1447.0	0.1		0	1448.1	0.2		0	29
30			0	0			0	0	1447.1	0.1		0	1448.1	0.2		0	30
31			0	0					1447.1	0.1		0	1448.1	0.2		0	31
TOTAL			0	0			0	0			0.3	0			0.05	0	
Inf. Ac. Ft.			0				0				0.6				0.1	0.7	
Outf. Ac. Ft.				0				0				0 + (0.5)				0 + (0.5)	
Maximum Mean Daily Inflow			0	0			0				0.3					0.3	
Minimum Mean Daily Inflow			0	0			0				0				0	0	
Storage Change			0				0				+ 0.1				+ 0.1	+ 0.2	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

½ Year

Negligible Flow

Less than 0.05 c.f.s.

Max. W. S. Elev.	1456.35	feet on	During May	Storage	4.2	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	1445.0±	feet on	Part of year	Storage	0	Acre Feet	VARIES	Dam Tender	Gage Hts. copied JHL	APK 5-23-50
Max. Peak Inf.	2.6	C. F. S. from	3:30 AM	on 12-19-49	to 4:30 AM	on 12-19-49	F. E. STUNDEN	Hydrographer	Storage applied JHL	APK
Max. Peak Outf.	0.5	C. F. S. from	6:00 PM	on 6-13-50	to 12:00 PM	on 6-13-50		Hydrographer	Inf. & Outf. comp. APK	GPB

REMARKS ( ) Indicates loss due to percolation.

F. C. Dist. Form 68B Revised 500 11/44

Daily Gage Height in feet and Operation Record of LIVE OAK Dam

In Live Oak Canyon for the Year Ending September 30, 1950

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder Au

Drainage Area 2.3 Square Miles. Capacity of Reservoir 227.5 Ac. Ft. at Spillway Elev. 1497.0 Ft. as of May, 1938 Survey Gage Heights Read at various times

Day	FEBRUARY Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	MARCH Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	APRIL Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	MAY Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Day
1	1448.1	0.2		0	1453.6	2.1		0	1455.7	3.6		0	1456.3	4.2	0	0	1
2	1448.2	0.3	Less than 0.05	0	1453.7	2.2		0	1455.7	3.6		0	1456.3	4.2	0	0	2
3	1448.2	0.3		0	1453.8	2.2		0	1455.8	3.7		0	1456.3	4.2	0	0	3
4	1448.2	0.3		0	1453.9	2.3		0	1455.8	3.7		0	1456.3	4.2	0	0	4
5	1448.2	0.3		0	1454.0	2.3		0	1455.8	3.7		0	1456.3	4.2	0	0	5
6	1448.8	0.4	0.05	0	1454.1	2.4		0	1455.9	3.8		0	1456.3	4.2	0	0	6
7	1449.1	0.4	0.05	0	1454.2	2.5		0	1455.9	3.8		0	1456.3	4.2	0	0	7
8	1449.4	0.5		0	1454.2	2.5		0	1456.0	3.9		0	1456.3	4.2	0	0	8
9	1449.6	0.5		0	1454.3	2.5		0	1456.0	3.9		0	1456.3	4.2	0	0	9
10	1450.1	0.6	0.05	0	1454.4	2.6	less	0	1456.0	3.9	less	0	1456.3	4.2	0	0	10
11	1450.4	0.7	0.05	0	1454.5	2.7		0	1456.1	4.0		0	1456.3	4.2	0	0	11
12	1450.7	0.8	0.05	0	1454.5	2.7		0	1456.1	4.0		0	1456.3	4.2	0	0	12
13	1451.0	0.9	0.05	0	1454.6	2.8	or	0	1456.1	4.0	or	0	1456.3	4.2	0	0	13
14	1451.2	1.0	0.05	0	1454.7	2.8		0	1456.1	4.0		0	1456.3	4.2	0	0	14
15	1451.4	1.1	0.05	0	1454.8	2.9		0	1456.1	4.0		0	1456.3	4.2	0	0	15
16	1451.7	1.2	0.05	0	1454.8	2.9	0.05	0	1456.1	4.0	0.05	0	1456.3	4.2	0	0	16
17	1451.9	1.2	0.05	0	1454.9	3.0		0	1456.2	4.1		0	1456.3	4.2	0	0	17
18	1452.0	1.3	0.05	0	1455.0	3.0		0	1456.2	4.1		0	1456.3	4.2	0	0	18
19	1452.2	1.4	0.05	0	1455.0	3.0		0	1456.2	4.1		0	1456.3	4.2	0	0	19
20	1452.4	1.5		0	1455.1	3.1		0	1456.2	4.1		0	1456.3	4.2	0	0	20
21	1452.5	1.5		0	1455.1	3.1		0	1456.2	4.1		0	1456.3	4.2	0	0	21
22	1452.7	1.6		0	1455.2	3.2		0	1456.2	4.1		0	1456.3	4.2	0	0	22
23	1452.8	1.7		0	1455.2	3.2		0	1456.2	4.1		0	1456.2	4.1	0	0	23
24	1453.0	1.7		0	1455.4	3.4		0	1456.2	4.1		0	1456.2	4.1	0	0	24
25	1453.1	1.8		0	1455.5	3.5		0	1456.3	4.2		0	1456.2	4.1	0	0	25
26	1453.2	1.9		0	1455.5	3.5		0	1456.3	4.2		0	1456.2	4.1	0	0	26
27	1453.3	1.9	Flow 0.05 or less	0	1455.5	3.5		0	1456.3	4.2		0	1456.2	4.1	0	0	27
28	1453.5	2.0		0	1455.6	3.6		0	1456.3	4.2		0	1456.2	4.1	0	0	28
29					1455.6	3.6		0	1456.3	4.2		0	1456.2	4.1	0	0	29
30					1455.6	3.6		0	1456.3	4.2		0	1456.1	4.0	0	0	30
31					1455.7	3.6		0					1456.1	4.0	0	0	31
TOTAL			0.9	0			0.8	0			0.3	0			0	0	
Inf. Ac. Ft.			1.8				1.6				0.6				0	4.7	
Outf. Ac. Ft.				0				0				0			0 + (0.2)	0 + (0.7)	
Maximum Mean Daily Inflow			0.05				0.05				0.05				0	0.3	
Minimum Mean Daily Inflow			+				+				0				0	0	
Storage Change		+ 1.8				+ 1.6				+ 0.6				- 0.2		+ 4.0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

¾ Year

Max. W. S. Elev.	1456.35	feet on	5-11-50	Storage	4.2	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	1445.±	feet on	Part of year	Storage	0	Acre Feet	VARIES	Dam Tender	Gage Hts. copied APK	APK GPB
Max. Peak Inf.	2.6	C. F. S. from	3:30 AM	on 12-19-49	to 4:30 AM	on 12-19-49	F. E. STUNDEN	Hydrographer	Storage applied "	"
Max. Peak Outf.	0.5	C. F. S. from	6:00 PM	on 6-13-50	to 12:00 N	on 6-13-50		Hydrographer	Inf. & Outf. comp. APK	GPB

REMARKS ( ) Indicates loss due to percolation and evaporation.

LIVE OAK (cont'd.)

F. C. Dist. Form 580 Revised 500 11/44

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 50

Continuous Water Stage Recorder Au

Drainage Area 2.3 Square Miles. Capacity of Reservoir 227.5 Ac. Ft. at Spillway Elev. 1497.0 Ft. as of May, 1938. Survey 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	1456.1	4.0	0	0			0	0			0	0			0	0	1
2	1456.1	4.0	0	0			0	0			0	0			0	0	2
3	1456.1	4.0	0	0			0	0			0	0			0	0	3
4	1456.0	3.9	0	0			0	0			0	0			0	0	4
5	1456.0	3.9	0	0			0	0			0	0			0	0	5
6	1456.0	3.9	0	0			0	0			0	0			0	0	6
7	1456.0	3.9	0	0			0	0			0	0			0	0	7
8	1456.0	3.9	0	0			0	0			0	0			0	0	8
9	1455.9	3.8	0	0			0	0			0	0			0	0	9
10	1455.9	3.8	0	0			0	0			0	0			0	0	10
11	1455.9	3.8	0	0			0	0			0	0			0	0	11
12	1455.8	3.7	0	0			0	0			0	0			0	0	12
13	1455.3	3.3	0	0.2			0	0			0	0			0	0	13
14	1454.1	2.4	0	0.4	Dry		0	0	Dry		0	0	Dry		0	0	14
15	1452.8	1.6	0	0.4			0	0			0	0			0	0	15
16	1451.2	1.0	0	0.3			0	0			0	0			0	0	16
17	1449.4	0.5	0	0.3			0	0			0	0			0	0	17
18	1446.7	0.1	0	0.2			0	0			0	0			0	0	18
19	1445.3	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		Dry	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	1.8			0	0			0	0			0	0	
Inf. Ac. Ft.			0				0				0				0	4.7	
Outf. Ac. Ft.			3.6 + (0.4)					0				0			0	3.6 + (1.1)	
Maximum Mean Daily Inflow			0				0				0				0	0.3	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		−4.0					0				0			0		0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown — Yearly Totals

Max. W. S. Elev.	1456.35	feet	on	During May	Storage	4.2	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS ckd. Date
Min. W. S. Elev.	1445.+	feet	on	Part of year	Storage		Acre Feet	VARIES	Dam Tender	Gage Hts. copied GPB JHL
Max. Peak Inf.	2.6	C. F. S. from	3:30 AM	on 12-19-49	to 4:30 AM	on 12-19-49		F. E. STUNDEN	Hydrographer	Storage applied GPB JHL
Max. Peak Outf.	0.5	C. F. S. from	6:00 PM	on 6-13-50	to 12:00 M	on 6-13-50			Hydrographer	Inf. & Outf. comp. GPB JHL

REMARKS ( ) Indicates loss due to percolation and evaporation.

F. C. Dist. Form 58A Revised 500 11/44

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 51.

Continuous Water Stage Recorder Au

Drainage Area 2.3 Square Miles. Capacity of Reservoir 227.5 Ac. Ft. at Spillway Elev. 1497.0 Ft. as of May, 1938. 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																	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																	

Reservoir dry during entire season.

NOTE: Gage Heights and Storages as of Midnight on Day Shown — ½ Year

Max. W. S. Elev.		feet	on	Storage		Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS ckd. Date
Min. W. S. Elev.		feet	on	Storage		Acre Feet		Dam Tender	Gage Hts. copied
Max. Peak Inf.		C. F. S. from		on	to	on		Hydrographer	Storage applied
Max. Peak Outf.		C. F. S. from		on	to	on		Hydrographer	Inf. & Outf. comp.

REMARKS

F. C. Dist. Form 86A Revised 500 11/44

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 50

Continuous Water Stage Recorder Au

Drainage Area 3.5 Square Miles. Capacity of Reservoir 612.3 Ac. Ft. at Spillway Elev. 1634.8 Ft. as of January, 1943 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			0	0	1
2											0	0			0	0	2
3											0	0			0	0	3
4											0	0			0	0	4
5											0	0			0	0	5
6											0	0			0	0	6
7											0	0	1573.6	Pool	0	0	7
8											0	0			0	0	8
9											0	0			0	0	9
10											0	0			0	0	10
11											0	0			0	0	11
12											0	0			0	0	12
13											0	0			0	0	13
14											0	0	1574.8	2.0	0.1	0	14
15											0	0			0	0	15
16											0	0			0	0	16
17											0	0			0	0	17
18									1577.2	1.0	0.7	0			0	0	18
19									1580.1	3.6	1.6	0			0	0	19
20									1579.3	2.7	0	0			0	0	20
21									1578.7	2.1	0	0			0	0	21
22									1578.1	1.6	0	0			0	0	22
23									1577.7	1.3	0	0			0	0	23
24									1577.4	1.1	0	0			0	0	24
25									1577.0	0.9	0	0			0	0	25
26									1576.6	0.7	0	0			0	0	26
27									1576.2	0.6	0	0			0	0	27
28									1575.9	0.5	0	0			0	0	28
29									1575.5	0.4	0	0			0	0	29
30									1575.0	0.2	0	0			0	0	30
31									1574.6		0	0			0	0	31
TOTAL											2.3	0 0.23			0.1	0 0.1	
Inf. Ac. Ft.											4.6				0.2	4.8	
Outf. Ac. Ft.											0 + (4.6)				0 + (0.2)	0 + (4.8)	
Maximum Mean Daily Inflow											1.6				0.1	1.6	
Minimum Mean Daily Inflow											0				0	0	
Storage Change											+				0	0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

½ Year

Max. W. S. Elev.	1580.3	feet on	12-19-49	Storage	3.9	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	Dry	feet on	Most of year	Storage	0	Acre Feet		Dam Tender	Gage Hts. copied	JHL GPB
Max. Peak Inf.	4.5	C. F. S. from	Midnight	on 12-18-49	to 800 AM	on 12-19-49	F. E. STUNDEN	Hydrographer	Storage applied	JHL GPB
Max. Peak Outf.	0	C. F. S. from		on	to	on		Hydrographer	Inf. & Outf. comp.	" "

REMARKS

F. C. Dist. Form 86B Revised 500 11/44

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 50

Continuous Water Stage Recorder Au

Drainage Area 3.5 Square Miles. Capacity of Reservoir 612.3 Ac. Ft. at Spillway Elev. 1634.8 Ft. as of January, 1943 Survey 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													1
2			0	0													2
3			0	0													3
4			0	0													4
5			0	0													5
6	1574.8	0.2	0.2	0													6
7	1574.6	0.1	0.1	0													7
8	1574.5	0.1	0.1	0													8
9	1574.4	0.1	0	0													9
10	1574.9	0.2	0.2	0													10
11	1575.0	0.2	0.1	0													11
12	1574.8	0.2	0	0													12
13	1574.6	0.1	0	0													13
14	1574.5	0.1	0	0													14
15	1574.3	0.1	0	0													15
16			0	0													16
17			0	0													17
18			0	0													18
19			0	0													19
20			0	0													20
21			0	0													21
22		Pool	0	0													22
23			0	0													23
24			0	0													24
25		Sea	0	0													25
26			0	0													26
27			0	0													27
28			0	0													28
29																	29
30																	30
31																	31
TOTAL			0.7	0 0.7													
Inf. Ac. Ft.			1.4														
Outf. Ac. Ft.			0 + (1.4)														
Maximum Mean Daily Inflow			0.2														
Minimum Mean Daily Inflow			0														
Storage Change			0														

NOTE: Gage Heights and Storages as of Midnight on Day Shown

6.2 + (6.2)
1.6
0
0

⅔ Year

Max. W. S. Elev.	1580.3	feet on	12-19-49	Storage	3.9	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	Dry	feet on	Most of year	Storage	0	Acre Feet		Dam Tender	Gage Hts. copied	JHL GPB
Max. Peak Inf.	4.5	C. F. S. from	Midnight	on 12-18-49	to 8:00 AM	on 12-19-49	F. E. STUNDEN	Hydrographer	Storage applied	JHL GPB
Max. Peak Outf.	0	C. F. S. from		on	to	on		Hydrographer	Inf. & Outf. comp.	" "

REMARKS

F. C. Dist. Form 88C Revised 500 11/44

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 50

Continuous Water Stage Recorder All

Drainage Area 3.5 Square Miles. Capacity of Reservoir 612.3 Ac. Ft. at Spillway Elev. 1634.8 Ft. as of January, 19 43 Survey 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																	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	Dry				Dry				Dry				Dry				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.																62	
Outf. Ac. Ft.																0 + (62)	
Maximum Mean Daily Inflow																16	
Minimum Mean Daily Inflow																0	
Storage Change																0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown — Yearly Totals

Max. W. S. Elev.	1580.3	feet	on	12-19-49	Storage	3.9	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	Dry	feet	on	Most of year	Storage	0	Acre Feet		Dam Tender	Gage Hts. copied	
Max. Peak Inf.	4.5	C. F. S. from	Midnight	on	12-18-49	to	8:00 AM	on	12-19-49	F. E. STUNDEN	Hydrographer	Storage applied	
Max. Peak Outf.	0	C. F. S. from		on		to		on			Hydrographer	Inf. & Outf. comp. JHL	GPB 11-3-50
REMARKS													

F. C. Dist. Form 88A Revised 500 11/44

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 51

Continuous Water Stage Recorder All

Drainage Area 3.5 Square Miles. Capacity of Reservoir 612.3 Ac. Ft. at Spillway Elev. 1634.8 Ft. as of January, 19 43 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																	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					Reservoir dry during entire season.												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																	

NOTE: Gage Heights and Storages as of Midnight on Day Shown — ½ Year

Max. W. S. Elev.		feet	on	Storage	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.		feet	on	Storage	Acre Feet		Dam Tender	Gage Hts. copied	
Max. Peak Inf.		C. F. S. from		on	to	on		Hydrographer	Storage applied	
Max. Peak Outf.		C. F. S. from		on	to	on		Hydrographer	Inf. & Outf. comp.	
REMARKS										

HAMILTON BOWL

F. C. Dist. Form 68A Revised 500 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of HAMILTON BOWL ~~Dam~~

In ~~Co~~ Long Beach, California for the Year Ending September 30, 1950

Continuous Water Stage Recorder HCF

Drainage Area 3.5 Square Miles. Capacity of Reservoir 160.4 Ac. Ft. at ~~Spillway~~ Elev. 17.0 Ft. as of July, 1947 Survey Gage Heights

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	7.0	2.1	1.3	0.2			0	0	7
8			0	0			0	0	5.5	0.9	4.4	5.0	7.5	3.8	15.5	13.6	8
9			0	0	4.6	0.4	0.7	0.5			0.1	0.6			1.2	3.1	9
10			0	0	4.6	0.4	7.4	7.4			0	0			0	0	10
11			0	0			0	0.2			0	0	3.9	0.2	12.6	12.5	11
12			0	0			0	0			0	0	4.0	0.2	10.8	10.8	12
13			0	0			0	0			0	0			0.1	0.2	13
14			0	0			0	0			0	0	4.8	0.5	2.5	2.2	14
15			0	0			0	0	4.1	0.2	0.4	0.3			0.1	0.4	15
16			0	0			0	0			0.2	0.3			0.2	0.2	16
17			0	0			0	0	6.9	2.0	1.0	0			0	0	17
18			0	0			0	0	7.9	7.0	40.3	37.8			0	0	18
19			0	0			0	0	5.6	0.9	6.7	9.7			0	0	19
20			0	0			0	0			0	0.5			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	7.7	5.4	4.2	1.5	28
29			0	0			0	0			0	0	4.6	0.4	7.1	9.6	29
30			0	0			0	0			0	0			0	0.2	30
31			0	0							0	0			0	0	31
TOTAL			0	0			8.1	8.1			54.4	54.4			54.3	54.3	
Inf. Ac. Ft.			0				16.1				107.9				107.7	231.7	
Outf. Ac. Ft.				0				16.1				107.9			107.7	231.7	
Maximum Mean Daily Inflow			0				7.4				40.3				15.5	40.3	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change			0				0				0				0	0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown ½ Year

Max. W. S. Elev.	12.4	feet	on 2-6-50	Storage	79.	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	Dry	feet	on Part of year	Storage	0	Acre Feet	J. C. VIDMAR	Dam Tender	Gage Hts. copied JHL	GPB	
Max. Peak Inf.	276.	C. F. S. from	0600 AM on 2-6-50	to	0700 AM	on 2-6-50	E. S. BONADIMAN	Hydrographer	Storage applied JHL	GPB	
Max. Peak Outf.	54.	C. F. S. from	1000 AM on 2-6-50	to	1130 AM	on 2-6-50		Hydrographer	Inf. & Outf. comp. JHL	GPB	

REMARKS Outflow from pump performance and storage changes.

F. C. Dist. Form 68B Revised 500 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of HAMILTON BOWL ~~Dam~~

In ~~Co~~ Long Beach, California for the Year Ending September 30, 1950

Continuous Water Stage Recorder HCF

Drainage Area 3.5 Square Miles. Capacity of Reservoir 160.4 Ac. Ft. at Spillway Elev. 17.0 Ft. as of July, 1947 Survey Gage Heights

Day	FEBRUARY				MARCH				APRIL				MAY				Day
	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	
1			0	0			0	0			0	0			0	0	1
2			0	0			0	0			0	0			0	0	2
3			0	0			0	0			0	0			0.2	0.2	3
4			0	0			0	0			0	0			0	0	4
5		0	0	0			0	0			0	0			0	0	5
6	9.2	25.6	53.7	40.8			0	0			0	0			0	0	6
7	4.6	0.4	3.6	16.3			0	0			0	0			0	0	7
8		0	0	0.2			0	0			2.1	2.1			0	0	8
9		0	0	0			0	0			2.4	2.4			0	0	9
10	5.1	0.6	13.2	12.9			0	0			0	0			0	0	10
11		0	0.4	0.7			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	5.0	0.6	6.9	6.6			0	0			0	0	24
25			0	0			2.1	2.4			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	29
30							0	0			0	0			0	0	30
31							0	0							0	0	31
TOTAL			70.9	70.9			9.0	9.0			4.5	4.5			0.2	0.2	
Inf. Ac. Ft.			140.6				17.9				8.9				0.4	399.5	
Outf. Ac. Ft.				140.6				17.9				8.9			0.4	399.5	
Maximum Mean Daily Inflow			53.7				6.9				2.4				0.2	53.7	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change			0				0				0				0	0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown ½ Year

Max. W. S. Elev.	12.4	feet	on 2-6-50	Storage	79.	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	Dry	feet	on Part of year	Storage	0	Acre Feet	J. C. VIDMAR	Dam Tender	Gage Hts. copied JHL	APK	5-23-50
Max. Peak Inf.	276.	C. F. S. from	600 AM on 2-6-50	to	700 AM	on 2-6-50	E. S. BONADIMAN	Hydrographer	Storage applied JHL	APK	"
Max. Peak Outf.	54.	C. F. S. from	1000 AM on 2-6-50	to	1130 AM	on 2-6-50		Hydrographer	Inf. & Outf. comp. JHL	APK	"

REMARKS Outflows from pump performance and storage changes.

F. C. Dist. Form 88C Revised 300 11/44

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, 1950

~~On~~

Continuous Water Stage Recorder HCF

Drainage Area 3.5 Square Miles. Capacity of Reservoir 160.4 Ac. Ft. at Spillway Elev. 170 Ft. as of July, 1947 Survey Gage Heights

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			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	3995	
Outf. Ac. Ft.			0				0				0				0	3995	
Maximum Mean Daily Inflow			0				0				0				0	573	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change			0				0				0				0	0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown — Yearly Totals

Max. W. S. Elev.	12.4	feet	on	2-6-50	Storage	79.	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	Dry	feet	on	Part of year	Storage	0	Acre Feet	J. C. VIDMAR	Dam Tender	Gage Hts. copied	GPB JHL
Max. Peak Inf.	276.	C. F. S. from	600 AM	on 2-6-50	to	700 AM	on 2-6-50	E. S. BONADIMAN	Hydrographer	Storage applied	
Max. Peak Outf.	54.	C. F. S. from	1000 AM	on 2-6-50	to	1130	on 2-6-50		Hydrographer	Inf. & Outf. comp.	10-31-50

REMARKS

F. C. Dist. Form 88A Revised 300 11/44

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, 1951

~~On~~

Continuous Water Stage Recorder HCF

Drainage Area 3.5 Square Miles. Capacity of Reservoir 160.4 Ac. Ft. at Spillway Elev. 170 Ft. as of July, 1947 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			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	4.0	0.2	7.3	7.2	10
11			0	0			0	0			0	0	5.1	0.6	2.3	2.1	11
12			0	0			0	0			0	0			0	0.3	12
13			0	0	6.9	2.0	7.9	6.9			0	0			0	0	13
14			0	0			0	1.0			0	0			0	0	14
15			0	0							0	0			0	0	15
16			0	0			0	0			0	0	4.2	0.3	7.7	7.5	16
17			0	0			0	0			0	0	3.5	0.1	0.05	0.2	17
18			0	0	4.4	0.4	1.3	1.1			0	0	4.1	0.2	0.8	0.7	18
19			0	0	5.4	0.8	2.4	2.2			0	0			1.55	1.7	19
20			0	0			0	0.4			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	4.9	0.5	2.03	2.00	29
30			0	0			0	0			0	0			0.3	0.6	30
31			0	0							0	0			0	0	31
TOTAL			0	0			11.6	11.6			0	0			40.3	40.3	
Inf. Ac. Ft.			0				23.0				0				79.9	102.9	
Outf. Ac. Ft.			0				23.0				0				79.9	102.9	
Maximum Mean Daily Inflow			0				7.9				0				2.03	2.03	
Minimum Mean Daily Inflow			0				0								0	0	
Storage Change	0					0				0				0		0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown — ½ Year

Max. W. S. Elev.	8.9	feet	on	1-29-51	Storage	20.8	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	2.92	feet	on	Various times	Storage	0	Acre Feet	J. C. VIDMAR	Dam Tender	Gage Hts. copied	
Max. Peak Inf.	201.	C. F. S. from	12:15 PM	on 1-29-51	to	12:45 PM	on 1-29-51	E. S. BONADIMAN	Hydrographer	Storage applied	
Max. Peak Outf.	55.5	C. F. S. from	7:20 PM	on 4-28-51	to	7:35 PM	on 4-28-51		Hydrographer	Inf. & Outf. comp.	

REMARKS

HAMILTON BOWL (cont'd.)

F. C. Dist. Form 68B Revised 500 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of HAMILTON BOWL ~~Dam~~

In ~~On~~ Long Beach, California for the Year Ending September 30, 1951

Continuous Water Stage Recorder A. HCF

Drainage Area 3.5 Square Miles. Capacity of Reservoir 160.4 Ac. Ft. at Spillway Elev. 17.0 Ft. as of July 31, 1947. Gage Heights Read at Various times

Day	FEBRUARY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	MARCH Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	APRIL Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	MAY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Day
1			0	0	5.3	0.8	16.3	15.9			0	0			0	0	1
2			0	0	4.2	0.3	0.5	0.7			0	0			0	0	2
3			0	0			0.2	0.4	7.5	3.8	2.8	0.9			0	0	3
4			0	0			0	0			6.1	8.0			0	0	4
5			0	0			0	0			0.7	0.7			0	0	5
6			0	0			0.1	0.1			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			0.3	0.3			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	7.7	5.4	27.5	24.8			0	0			0	0			0	0	23
24	4.9	0.5	3.1	5.5			0	0			0.3	0.3			0	0	24
25			0.1	0.4			0	0			3.9	3.9			0	0	25
26	4.3	0.3	5.3	5.1			0	0			0	0			0	0	26
27			1.8	2.0			0	0			0	0			0	0	27
28			0	0			0	0	5.2	0.7	6.3	5.9			0	0	28
29							0	0			0.2	0.6			0	0	29
30							0	0			0	0			0	0	30
31							0	0							0	0	31
TOTAL			37.8	37.8			17.4	17.4			20.3	20.3			0	0	
Inf. Ac. Ft.			75.0				34.5				40.3				0	252.7	
Outf. Ac. Ft.			75.0				34.5				40.3				0	252.7	
Maximum Mean Daily Inflow			27.5				16.3				6.3				0	27.5	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change	0				0				0				0			0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown — ¾ Year

Max. W. S. Elev.	8.9	feet on 1-29-51	Storage	20.8	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS ckd. Date
Min. W. S. Elev.	2.92	feet on Various times	Storage	0	Acre Feet	J. C. VIDMAR	Dam Tender	Gage Hts. copied
Max. Peak Inf.	201.	C. F. S. from 12:15 PM	on 1-29-51	to 12:45 PM	on 1-29-51	E. S. BONADIMAN	Hydrographer	Storage applied
Max. Peak Outf.	55.5	C. F. S. from 7:20 PM	on 4-28-51	to 7:35 PM	on 4-28-51		Hydrographer	Inf. & Outf. comp.

REMARKS

F. C. Dist. Form 68C Revised 500 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of HAMILTON BOWL ~~Dam~~

In ~~On~~ Long Beach, California for the Year Ending September 30, 1951

Continuous Water Stage Recorder HCF

Drainage Area 3.5 Square Miles. Capacity of Reservoir 160.4 Ac. Ft. at Spillway Elev. 17.0 Ft. as of July 31, 1947. Survey Gage Heights Read at various times

Day	JUNE Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	JULY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	AUGUST Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	SEPTEMBER Gage Height	Acre Ft. Storage	C.F.S. Inflow	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			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			0.2	0.2			0	0	28
29			0	0			0	0			0.2	0.2			0	0	29
30			0	0			0	0			0	0			0	0	30
31							0	0			0	0			0		31
TOTAL			0	0			0	0			0.4	0.4			0	0	
Inf. Ac. Ft.			0				0				0.8				0	2535	
Outf. Ac. Ft.			0				0				0.8				0	2535	
Maximum Mean Daily Inflow			0				0				0.2				0	27.5	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change	0				0				0				0			0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown — Yearly Totals

Max. W. S. Elev.	8.9	feet on 1-29-51	Storage	20.8	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS ckd. Date
Min. W. S. Elev.	2.92	feet on Various times	Storage	0	Acre Feet	J. C. VIDMAR	Dam Tender	Gage Hts. copied WLT 10-18-51
Max. Peak Inf.	201.	C. F. S. from 12:15 PM	on 1-29-51	to 12:45 PM	on 1-29-51	E. S. BONADIMAN	Hydrographer	Storage applied WLT
Max. Peak Outf.	55.5	C. F. S. from 7:20 PM	on 4-28-51	to 7:35 PM	on 4-28-51		Hydrographer	Inf. & Outf. comp. WLT

REMARKS APK

TABLE XII

YEARLY RESERVOIR OPERATION SUMMARY

1949-50, 1950-51

YEAR	DAM	INFLOW ANNUAL A.F.	INFLOW MAX. DAY CFS	INFLOW MIN. DAY CFS	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. MAXIMUM	STORAGE A.F. MINIMUM	STORAGE A.F. SEPT. 30
1949-50	PACOIMA	1063.	18.6	0.1	1019.	2	6	6:00 PM - 8:00 PM	26.	4	11	10:36 AM - 10:50 AM	231.	735.	0.8±	44.
1950-51		142.	1.3	0	69.3	4	29	4:00 PM -10:30 PM	2.4	9	30	9:20 PM - 10:20 PM	5.9	156.	44.	117.
1949-50	BIG TUJUNGA DAM	2029.	32.	0.2	1905.	2	6	6:00 PM -10:00 PM	43.	7			5.4	1556.	165.	609.
1950-51	" " "	841.	7.7	0.1	1235.	4	29	3:30 AM - 4:30 AM	17.	8	22	6:00 AM - 6:00 PM	15.	653.	141.	214.
1949-50	DEVILS GATE DAM	318.	37.	0	81.	2	6	3:00 AM - 4:00 AM	237.	11	10	12:10 PM - 12:40 PM	99.	138.	0	POOL.
1950-51	" " "	171.	18.1	0	18.	1	11	3:10 PM - 3:40 PM	468.	1	3	1:00 PM - 2:00 PM	22.	82.	0	0
1949-50	EATON WASH DAM	188.	23.	0	61.	12	18	6:00 PM - 7:00 PM	88.	11	14	11:00 AM - 12:00 N	62.	54.	0	0
1950-51	" " "	44.	3.8	0	7.5	1	11	3:30 PM - 4:00 PM	80.	5	3	12:00 N - 5:30 AM	3.9	13.	0	0
1949-50	BIG SANTA ANITA DAM	1357.	30.	0.2	1311.	12	18	8:00 PM -10:00 PM	115.	12	19	3:15 PM - 12:00 M	25.	383.	123.	204.
1950-51	" " " "	460.	4.5	0.1	497.	1	11	4:20 PM - 6 20 PM	9.7	4	24	2:30 PM - 3:00 PM	56.	256.	89.	167.
1949-50	SAWPIT DAM	86.	2.1	0	77.	12	18	8:00 PM -10:00 PM	7.9	6	30	12:00 M - 8:00 AM	2.6	63.	55.	56.
1950-51	" "	32.	0.8	0	32.	1	11	2:30 PM - 3:30 PM	2.4	1	15	1:20 PM - 7:00 PM	46.	56.	23.	46.
1949-50	SAN GABRIEL DAM NO. 2	3778.	99.	0.4	3536	12	18	6:00 PM - 8:00 PM	239.	3	2	9:30 AM	84.	2785.	64.	127.
1950-51	" " " " "	887.	9.6	0.3	568.	4	29	6:00 AM - 7:00 AM	24.	9	6	9:00 AM - 12:35 PM	14.	627.	49.	353.
1949-50	SAN GABRIEL DAM NO. 1	27797.	266.	9.5	27736.	12	19	12:00 M - 2:00 AM	448.	12	5	9:34 AM	3150.	6925.	1068.	3196.
1950-51	" " " " "	10169.	54.	3.0	13002.	1	11	3:15 PM - 3:45 PM	174.	4	20	8:00 AM - 12:00 M	211.	3196.	0	0
1949-50	BIG DALTON DAM	142.	2.0	0	130.	2	6	8:00 AM -10:00 AM	3.5	1	21	12:30 PM - 8:30 PM	10.8	90.	4.0	19.
1950-51	" " "	27.	0.1	0.01	14.	1	11	3:35 PM - 4:05 PM	4.8	7	9	8:00 AM - 12:00 M	2.2	34.	19.	22.
1949-50	SAN DIMAS DAM	734.	25.	0.1	750.	12	18	1:00 PM -12:00 M	65.	4	3	9:45 AM	60.	500.	51.	56.
1950-51	" " "	300.	5.3	0.1	301.	4	29	12:00 M -12:30 AM	16.	4	11	9:00 AM - 12:00 M	4.8	146.	49.	55.
1949-50	PUDDINGSTONE DIVERSION	0	0	0	0									0	0	0
1950-51	" "	0	0	0	0									0	0	0
1949-50	PUDDINGSTONE DAM	493.	55.	0	140.	2	6	6:00 AM - 8:00 AM	178.	6 & 7			5.0	659.	227.	419.
1950-51	" "	182.	15.	0	145.	1	29	12:20 PM -12:50 PM	162.	10	19	6:30 AM - 3:10 PM	7.0	419.	257.	309.
1949-50	LIVE OAK DAM	4.7	0.3	0	3.6	12	19	3:30 AM - 4:30 AM	2.6	6	13	6:00 PM - 12:00 PM	0.5	4.2	0	0
1950-51	" " "	0	0	0	0									0	0	0
1949-50	THOMPSON CREEK DAM	6.2	1.6	0	0	12	19	12:00 M - 8:00 AM	4.5				0	3.9	0	0
1950-51	" " "	0	0	0	0									0	0	0
1949-50	HAMILTON BOWL	400.	54.	0	400.	2	6	6:00 AM - 7:00 AM	276.	2	6	10:00 AM - 11:30 AM	54.	79.	0	0
1950-51	" "	254.	28.	0	254.	1	29	12:15 PM -12:45 PM	201.	4	28	7:20 PM - 7:35 PM	56.	21.	0	0

GROUND WATER
&
CONSERVATION

GROUND WATER AND WATER CONSERVATION

FOREWORD

The seasons covered by this report mark the low period of seven consecutive years of deficient rainfall. This coupled with the continued increase in population, expansion of industry, and export of sewage water to the ocean, has resulted in a general depletion of storage in the various ground water basins. This continues to place emphasis upon the necessity of unremitting study of changing conditions and has increased the demand for adopting new and more comprehensive conservation practices.

The principles, practices and objectives of water conservation and the physical characteristics of the principal ground water basins of the County were discussed in considerable detail in the Annual Report on Hydrologic Data for 1941-42 and reference may be made to that report for such information.

During 1947-48 and 1948-49, more than ordinary consideration was given to the detection of ground water pollution in that contamination from industrial wastes and salt water intrusion from the ocean was becoming more critical. This critical condition has continued, emphasizing the necessity of further investigation of ground water contamination, particularly in regard to sea water intrusion along the coast.

SEASONAL DATA AND MAPS

In order to determine to what extent the ground water basins were replenished or depleted during the 1949-50 and 1950-51 seasons, numerous measurements of water table and pressure surface elevations were made, or obtained, from cooperating agencies. Measurements on approximately 2000 wells were thus made available each season, divided as follows: 1500 for semi-annual ground water maps, 350 for study of local problems and 150 key wells which were measured monthly. See Map IV, Page 360. A smaller number was measured more frequently and a few were equipped with automatic recorders to provide continuous records of fluctuation. Approximately 16,500 well measurements were made by the District or obtained from cooperating agencies each season. Of the wells measured, approximately 80 located in the westerly part of Antelope Valley, were measured by the District as its part in a cooperative arrangement with the United States Geological Survey and the State Division of Water Resources, whereby the United States Geological Survey measured approximately 65 wells in the easterly part of the Valley and the State Division of Water Resources made ground water contour maps from fall measurements. Ground water maps were made by the District for San Fernando Valley, San Gabriel Valley, and the Coastal Plain from the fall and spring measurements, and for Santa Clara Valley from fall measurements. With a few exceptions, the fall and spring maps show the seasonal low and high positions of the water tables or pressure surfaces by contour lines. See Maps V to XXI, Pages 372 to 388, inclusive.

The more important key well measurements were reduced to hydrographs, 12 of which are included herein to show the fluctuations in the respective basins. As a result of the dry seasons, small variation, in general, exists between the fall ele-

vations and succeeding spring elevations, since winter pumping draft was approximately offset by the small supply to ground water, while considerable lowering of ground water levels is indicated during summer months due to heavy pumping draft. See graphs on pages 361 to 371 inclusive.

CONSERVATION

Tables XIII to XVI show the amount of surface water conserved by percolation in reservoirs and channels as well as in spreading grounds and the amount that flowed to the ocean as waste. The flood control and conservation facilities now in operation, those under construction and those contemplated in the Comprehensive Plan, materially reduce waste to the ocean. This waste will never be totally eliminated, however, because of economic limits. As more concrete flood channels are constructed, the development of spreading facilities must be sufficient to offset natural channel percolation intercepted by the impervious concrete channels as well as to conserve waste water. As a part of this necessary development, economic studies have been made of proposed spreading grounds in San Dimas and Dalton Washes and steps have been taken to acquire the necessary right of way.

In the forepart of 1950, the Flood Control Act was amended by the State Legislature (A. B. No. 129) to allow the formation of water conservation zones to be financed by a tax levy which would make it possible to import and/or reclaim water to replenish ground water basins. On October 31, 1950, the Board of Supervisors, acting under the provisions of the Amended Act, adopted an order establishing Zone I embracing most of the Central Coastal Basin in Los Angeles County. At the time of the public hearing on the order, held on November 28, 1950, protests registered by municipalities within the proposed zone, resulted in the abandonment of the proceedings. To overcome the objections registered, the Flood Control Act was further amended by A. B. No. 2041 which was signed by the Governor on June 11, 1951. The bill provided for a tax rate not to exceed $0.05 per $100.00 assessed valuation of the real property within the proposed zone to finance the acquisition of water to be spread. Prior to the establishment of this rate, a study had been completed by the District to determine what the rate should be. With the passage of the bill, the formation of Zone I has been reinitiated.

GROUND WATER POLLUTION

During the 1949-50 and 1950-51 season, the study of ground water pollution was continued. Samples of water for chemical analysis were taken from streams and from wells in industrial districts, oil fields, and the coastal area. During the period covered by this report, the number of analyses made in the District's laboratory were approximately as follows: 510 complete mineral analyses and 820 partial analyses (chlorides and alkalinity). These analyses have not only given general information on the quality of ground and surface waters, but have established a norm by which any future variation in the quality of the water may be determined and have provided the data required for the investigation of localized problems, such as the following: (a) A study of flows and chemical character of Pomona Sewage Plant effluent and of the chemical character of well water in Spadra and Puente ground water basins was made to determine probable future effects of the effluent on these basins. (b) The quality of ground water in the Castaic Creek and Bouquet Canyon areas was investigated in relation to the potential effects on ground water of discharging sewage treatment plant effluent

from the County Honor Farm at the first location, and from the proposed City of Los Angeles Misdemeanant Farm at the second location.

The continued rapid industrial expansion and more rigid enforcement of air pollution enactments in Los Angeles County has posed the continuous problem of the indiscriminate discharge of industrial wastes, and uncontrolled dumping of wastes previously burned at innumerable licensed and unlicensed dump sites. The menace to public health and safety arising from potential pollution and contamination of surface and underground waters, and the damage to storm drains and stream channels became so critical as to require additional legislation. Under County Ordinance No. 614, as amended in August 1946, and Ordinance No. 5242, adopted on December 21, 1948, the County Engineer's Office is charged with coordinating the supervision of all dumps, rubbish and disposal sites, over which other County departments may have had jurisdiction. The Industrial Waste Division of the County Engineer's Office enforces all provisions of County Ordinances relating to industrial wastes.

The Flood Control District, by virtue of delegated responsibilities in the field of water conservation, has been called upon by the Industrial Waste Division to furnish basic data, opinions, and recommendations relative to potential pollution and contamination of surface and/or underground waters. This responsibility has necessitated a continuous program, by the Conservation Section, of periodic checking and of supplementing extensive and detailed well records, geologic data, and records of chemical analyses of surface and underground waters.

Hydrologic, geologic, and chemical phases of 136 applications for industrial waste disposal permits were investigated and reported on for the County Industrial Waste Division and for the County Regional Planning Commission. Recommendations relative to industrial waste problems were also forwarded to State Regional Water Pollution Control Board No. 4, to the City of Los Angeles, and to other public agencies.

SPECIAL INQUIRIES

Oral and written requests for hydrologic and geologic data and opinions relative to specific problems were received from many federal, state, county, and city public agencies; from public utility, industrial, commercial, and construction firms and from engineering consultants.

Depth to ground water was reported for nearly 1400 subdivision tracts during the two seasons covered in this report.

COOPERATIVE INVESTIGATIONS

Following completion of the report (outlined in the 1947–49 hydrologic report) entitled "Report Upon the Reclamation of Water from Sewage and Industrial Wastes in Los Angeles County" by A. M. Rawn, Chief Engineer and General Manager of the County Sanitation Districts, as Chairman, H. E. Hedger, Chief Engineer of the Los Angeles County Flood Control District, and C. E. Arnold, County Engineer and Surveyor, further tests were made at the Azusa sewage plant to determine permissible organic loading and percolation rates in material more permeable than those in which previous tests had been made. These tests were carried out in cooperation with the City of Azusa and the results were embodied in a report by the Flood Control District da-

ted December 1950 and entitled "Sewage Reclamation Spreading Tests Adjace Sewage Treatment Plant". Tests at this plant have been continued by the of California at Los Angeles with the District cooperating in the field c

Independently, and also in cooperation with the County Health Dep District investigated nearly 100 open wells, many of them hazardous to pu This was done in accordance with County Ordinances Nos. 5307 and 5316 and of the "State Health and Safety Code". The hazardous conditions were aba by the owners or by the District in those cases where the wells were of v ground water observations and it was desirable to make provision for cont ing of the water level.

After making engineering and economic studies, a cooperative ente diversion of conservation flows from Santa Anita Canyon was undertaken wi Sierra Madre. This consisted of a headworks near the canyon mouth and a deliver flows of 15 cubic feet per second to a new spreading development in Santa Anita Wash and of 25 cubic feet per second to the Sierra Madre S

CORRELATION OF CONSERVATION WITH FEDERAL FLOOD CONTROL IMPROVEMENTS

The extensive plans and work on flood control channels as designe ted with Federal funds by the Corps of Engineers is being constantly revi trict in order to provide necessary conservation and protection of water in the County. Federal funds are provided for flood control only; theref Control District must review this work as it is planned and provide neces tion measures.

These reviews include studies for the replacement of percolation, lost by paving of channel beds, with off-channel spreading grounds. They studies of the relation of local water right interests to proposed dams a and to the replacement of existing facilities for the diversion of conser established spreading grounds. Work in this regard has been done for the Anita Channel, San Dimas Channel, Dalton Channel, San Antonio Channel and Pacoima Channel diversion to spreading grounds, Tujunga Channel diversion Spreading Grounds, and Mission Creek in its relation to Whittier Narrows

SPECIAL STUDIES

The rapidly dropping water table in the Central Coastal Basin of brought about a request from the city of Long Beach to the Board of Super investigate the possible excessive use of water by consumers serviced on a or flat rate, rather than a metered basis. In an effort to conserve as m vital commodity as possible the Board of Supervisors directed the District a survey of the metered and unmetered water services in the proposed Wate tion Zone I in the Central Coastal Basin, to determine the approximate sa ter use that could be accomplished by the installation of meters on unmet

The survey included 132 agencies with 80% of their combined services metered and 20% unmetered. These services cover approximately 76% of the area of Zone I, the remaining 24% consisting of agricultural land served by individual wells. It was concluded that the installation of water meters would tend to reduce the average overdraft of ground water supplies in this Zone by nearly 20%.

A summary of current ground water conditions, as compared to historical records, showing high and low elevations and forecasting shortages in critical areas, was made for all the important ground water basins in the County in the spring of 1950 and again in the spring of 1951. These summaries were distributed to interested public and private agencies and individuals.

Restudy of the San Gabriel River Investigation, as originally made by Messrs. Haehl and Etcheverry in 1936, has been continued. This is being done because the original report was made without the benefit of the comprehensive data on spreading grounds and percolation rates collected during the last 16 years. This restudy will make it possible to revaluate the hydrology and economics of large scale spreading on the Rio Hondo and San Gabriel River.

Due to the hazard created by gravel companies removing material in and near river beds, a study was made of conditions existing in the vicinity of Arrow Highway and Peck Road. In this connection, reports were made on the feasibility of relocating the Rio Hondo by-pass channel from its present location through the rock products companies development areas above Peck Road to a new location intercepting Sawpit Wash northerly of Arrow Highway. A safe channel of adequate capacity through this area is vital for the conservation of controlled and flood flows not only in the natural channels but also in the Coastal Basin Spreading Grounds.

As a result of the present continued period of deficient rainfall, and an ever-increasing pumping draft, the most critical situation along the entire California coast in regard to sea water intrusion has been created in the West Coastal Basin. Hence, the Flood Control District conducted three comprehensive tests in relation to creating a fresh water barrier to prevent further sea water intrusion into the Basin. During a five-month period, (April to August, 1950) a surface spreading plot experiment was conducted near Redondo Beach; a well recharge test, to test recharge of confined aquifers, was conducted in an abandoned well field at Manhattan Beach; and a basin-spreading test, together with pit-type injection wells, to test recharge through extensive impervious top-soils, was conducted near El Segundo. A final report dated March 10, 1951 entitled "Report on Tests for the Creation of Fresh Water Barriers to Prevent Salinity Intrusion, Performed in West Coastal Basin, Los Angeles County, California" was prepared and distributed to various public agencies and individuals. The report recommended that further comprehensive experiments be conducted in the West Coastal Basin to create a pressure mound barrier to sea water intrusion through recharge wells. Through the efforts of the West Coast Basin Water Association, the California Legislature enacted A. B. No. 2712 which was signed by the Governor on July 12, 1951. The bill appropriated $750,000 to the State Water Resources Board for sea water intrusion studies in the state. Of this amount, $450,000 were allocated by the State Water Resources Board for an experimental program at Manhattan Beach, effective October 1, 1951. The Board awarded this District the contract for the program installations and well recharge operations, engineering analysis and report.

NEW FACILITIES

San Gabriel Coastal Spreading Grounds

These grounds have been improved by the construction of a distribution canal and the enlarging of some of the basins within the existing right of way. In addition, 15.7 acres were acquired southerly to Washington Boulevard and two additional basins are being constructed. A total of over 30 acres of effective area will be thus added to the grounds.

Hansen Spreading Grounds

Plans were prepared for a service road, underpass and culvert necessitated by the new Glenoaks Boulevard bridge. The construction was done by the City of Los Angeles under agreement with the District.

Santa Anita Spreading Grounds

As part of the program to compensate for future concrete lined channels, as previously mentioned, the District constructed 9 spreading basins in Santa Anita Wash to be fed by the concrete pipe line which will also feed the spreading grounds being developed by the City of Sierra Madre. Approximately 10 acres were developed with a percolating capacity of 8 c.f.s.

SPREADING GROUNDS

Spreading facilities in Los Angeles County operated by the Los Angeles County Flood Control District, or in cooperation with local water interests, total over 2300 acres with a capacity of over 1400 c.f.s. The percolating and storage capacity of the San Gabriel River and Rio Hondo Coastal Spreading Grounds is being increased by the removal of impervious material therefrom. This is gradually being done, at no cost to the District, by permittees who have use for this material. Prior to October 1949 there were a few small scale operations of this nature, but since that time, operations have increased considerably so that during the period covered by this report 135,000 cubic yards of material have been removed from the Rio Hondo Spreading Grounds and 44,000 cubic yards from the San Gabriel Spreading Grounds.

Data in reference to all the spreading grounds are shown in Table XIV, page 358.

RESPONSIBILITY

All the work relative to ground water conservation was done under the immediate supervision of L. W. Jordan, except the analysis of water samples, which was under the direction of S. R. Mitchell, Chief, Testing Division, until his retirement on July 1, 1950; W. E. Millstein was acting Chief to the end of the year, and Tys Wigman IV during 1951.

TABLE XIII

RESERVOIR AND CHANNEL ABSORPTION

EXCLUSIVE OF SPREADING GROUNDS ABSORPTION

STREAM	REACH OF STREAM WHERE ABSORPTION OCCURRED	ABSORPTIVE CAPACITY OF REACH CFS	TOTAL RELEASE TO REACH A.F.	ABSORPTION IN CHANNELS, RESERVOIRS AND DIVERSIONS – A.F.	EXCESS OF RELEASE OVER ABSORPTION – A.F.	YEAR
PACOIMA	DAM TO PARTHENIA STREET	40–120	1020.	775. *	245.	1949–50
"	" " " "	40–120	67.	67. *	0	1950–51
TUJUNGA	MOUTH OF CANYON TO HANSEN DAM	(1)	2984.	3214. (2)		1949–50
"	" " " " " "	(1)	1515.	1695. (2)		1950–51
TUJUNGA	HANSEN DAM TO MAGNOLIA BOULEVARD	250–700	1.8	1.8	0	1949–50
"	" " " " "	250–700	0	0	0	1950–51
DEVILS GATE	RESERVOIR ONLY			237. (2)		1949–50
" "	" "			154. (2)		1950–51
EATON	DAM TO RIO HONDO	13–40	61.	127. (2)	61.	1949–50
"	" " " "	13–40	7.5	44. (2)	0	1950–51
SANTA ANITA	DAM TO ARROW HIGHWAY	40–100	1360.	1360. *	0	1949–50
" "	" " " "	40–100	520.	520. *	0	1950–51
SAWPIT	USGS GAGING STATION TO RIO HONDO	12–20	26.	26.	0	1949–50
"	" " " " "	12–20	42.	23.	19.	1950–51
SAN GABRIEL	MOUTH OF CANYON TO FOOTHILL BOULEVARD (CANYON BASIN)	VARIOUS	2355.	2288.	67.	1949–50
" "	" " " " " " " "	VARIOUS	8102.	2491.	0	1950–51
SAN GABRIEL	FOOTHILL BOULEVARD TO SANTA FE DAM (MAIN BASIN)	VARIOUS	67.	67.	0	1949–50
" "	" " " " " " "	VARIOUS	0	0	0	1950–51
SAN GABRIEL	SANTA FE DAM TO VALLEY BOULEVARD (MAIN BASIN)	VARIOUS	0	0	0	1949–50
" "	" " " " " " "	VARIOUS	0	0	0	1950–51
SAN GABRIEL	BELOW STANDEFER DITCH TO FLORENCE AVE. (COASTAL PLAIN)	VARIOUS	9536. (3)	9536.	0	1949–50
" "	" " " " " " " "	VARIOUS	5438. (3)	5438.	0	1950–51
SAN GABRIEL	FLORENCE AVENUE TO SPRING STREET (COASTAL BASIN)	VARIOUS	0	0	0	1949–50
" "	" " " " " " "	VARIOUS	0	0	0	1950–51
RIO HONDO	SANTA FE DAM TO LOWER AZUSA ROAD (MAIN BASIN)	VARIOUS	272.	69.	203.	1949–50
" "	" " " " " " " "	VARIOUS	184.	0	234.	1950–51
RIO HONDO	MISSION BRIDGE TO STEWART AND GRAY ROAD (COASTAL BASIN)	VARIOUS	22,300. (3)	19,260. *	3040.	1949–50
" "	" " " " " " " "	VARIOUS	15,468. (3)	14,687. *	781.	1950–51
SAN DIMAS	DAM TO PUDDINGSTONE DIVERSION DAM AND PUDDINGSTONE DIVERSION DAM TO GLENDORA AVENUE	7–20	870.	870. *	0	1949–50
" "	" " " " " " "	7–20	277.	277. *	0	1950–51
BIG DALTON	DAM TO FOOTHILL BOULEVARD	(1)	130.	74.	56.	1949–50
" "	" " " "	(1)	14.	0	30.	1950–51
LIVE OAK	DAM TO FOOTHILL BOULEVARD	4	0	0	0	1949–50
" "	" " " "	4	0	0	0	1950–51
THOMPSON CREEK	DAM TO FOOTHILL BOULEVARD		0	0	0	1949–50
" "	" " " "		0	0	0	1950–51
			TOTAL	37,905.		1949–50
				25,396.		1950–51

NOTES

(1) NOT DETERMINED.
(2) INCLUDES EVAPORATION AND PERCOLATION LOSSES IN RESERVOIR.
(3) INCLUDES RISING WATER IN VICINITY OF WHITTIER NARROWS.
* INCLUDES WATER DIVERTED FOR USE.

TABLE XIV

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION
SUMMARY OF DATA ON SPREADING GROUNDS IN L. A. COUNTY
(See Companion Tabulation for Record of Water Spread)
May 1951

GROUNDS	TYPE	SEASON FIRST USED	AREA IN ACRES GROSS	AREA IN ACRES NET	CAPACITIES INTAKE c.f.s.	CAPACITIES SPILLWAY c.f.s.	CAPACITIES STORAGE A.F.	CAPACITIES PERCOLATING* c.f.s.	LOCATION	SOURCE OF WATER	REMARKS
SPREADING GROUNDS OWNED BY THE DISTRICT (WHOLLY CONSTRUCTED, MAINTAINED AND OPERATED BY IT):											
PACOIMA	BASINS	1932-33	174.6	119.0	400	--	200	200	BOTH SIDES OF PACOIMA WASH FROM ARLETA ST. SOUTHWESTERLY TO WOODMAN AVE.	CONTROLLED FLOW FROM PACOIMA DAM. UNCONTROLLED FLOW BETWEEN DAM AND SPREADING GROUNDS.	GROSS AREA INCLUDES: BELOW ARLETA AVE. 14.87 A. IN CHANNEL; ABOVE ARLETA AVE. TO SHARP AVE. UNDER EASEMENT FROM CITY OF SAN FERNANDO, CHANNEL 5.40 A. AND OUTSIDE CHANNEL 1.83 A.
HANSEN	BASINS	1944-45	145.3	104.0	450	700	195	300	NORTHWESTERLY SIDE OF TUJUNGA WASH FROM ABOVE GLENOAKS BLVD. SOUTHWESTERLY TO SAN FERNANDO ROAD.	CONTROLLED FLOW FROM HANSEN DAM.	CHANNEL AREA (36 A.) ADJACENT TO SPREADING GROUNDS NOT INCLUDED.
ARROYO SECO	BASINS	1948-49	24.0	13.0	100	400	30	30	EASTERLY SIDE OF ARROYO SECO, LOWER END 0.5 MI. ABOVE DEVILS GATE DAM.	ARROYO SECO UNCONTROLLED FLOW.	GROSS AREA INCLUDES 10 A. OF THE 19.3 A. SPREADING GROUNDS EASEMENT AND APPROX. 14 A. OF DEVILS GATE RESERVOIR EASEMENT.
EATON	GRAVEL PITS	1947-48	15.0	6.6	150	300	95	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. NET AREA: PIT 1 = 2.0 A., PIT 2 = 3.9 A., CANAL = 0.7 A.
SANTA ANITA	BASINS	1944-45	--	--	--	--	--	--	WESTERLY SIDE OF SANTA ANITA WASH 1.25 MI. ABOVE FOOTHILL BLVD.	CONTROLLED FLOW FROM SANTA ANITA DAM. UNCONTROLLED FLOWS BETWEEN DAM AND SPREADING GROUNDS.	EXPERIMENTAL TEST BASINS (0.96 A. DURING 1944-45 AND 1946-47) ON LAND ACQUIRED IN 1950 FOR PERMANENT SPREADING GROUNDS.
SAWPIT	BASINS	1946-47	10.5	3.8	30	400	13	15	WESTERLY SIDE OF SAWPIT WASH BELOW MOUTH OF CANYON, AT HEAD OF NORUMBEGA ST., MONROVIA.	CONTROLLED FLOW FROM SAWPIT DAM. UNCONTROLLED FLOW FROM MONROVIA CANYON.	GROSS AREA INCLUDES 0.89 A. UNDER EASEMENT FOR INTAKE AND PIPE LINE.
SAN GABRIEL COASTAL	BASINS	1938-39	95.3	58.6	200	400	140	60	WESTERLY SIDE OF SAN GABRIEL RIVER, SOUTHERLY FROM WHITTIER BLVD.	SAN GABRIEL RIVER, SAN JOSE CREEK, WALNUT CREEK. SAN GABRIEL RIVER FLOWS CONTROLLED BY SAN GABRIEL DAMS #1 AND #2, MORRIS DAM AND SANTA FE DAM, OTHER FLOWS PARTIALLY CONTROLLED.	ALL LAND HELD UNDER PERPETUAL EASEMENT. CHANNEL AREA NOT INCLUDED.
RIO HONDO COASTAL	BASINS	1937-38	443.0	372.4	750	1500	800	400	EASTERLY SIDE OF RIO HONDO SOUTHERLY FROM U.P.R.R. (S. OF WHITTIER BLVD.) TO SLAUSON AVE.	SAN GABRIEL RIVER FLOWS CONTROLLED BY SAN GABRIEL DAMS #1 AND #2, (S. OF WHITTIER BLVD.) TO SLAUSON AVE. MORRIS DAM AND SANTA FE DAM. UNCONTROLLED RUNOFF PRINCIPALLY FROM SAWPIT, SANTA ANITA, EATON WASHES (PARTIALLY CONTROLLED), RUBIO AND ALHAMBRA WASHES (UNCONTROLLED).	GROSS AREA INCLUDES APPROX. 9 A. IN CHANNEL R/W OCCUPIED BY SPREADING GROUNDS LEVEES AND PARTS OF BASINS.
TOTALS			907.7	677.4			1473	1015			
SPRDG. GRDS. ON WHICH THE DISTRICT DOES CONSTRUCTION AND MAINTENANCE WORK:											
LITTLE DALTON	DITCHES AND CHECKS	1931-32	16.4	--	20	--	0	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.
BIG DALTON	DITCHES AND CHECKS	1930-31	30.0	--	45	--	0	15	BIG DALTON WASH. INTAKE 3/4 MI. ABOVE SIERRA MADRE AVE.	CONTROLLED FLOWS FROM BIG DALTON DAM. UNCONTROLLED FLOWS BETWEEN BIG DALTON DAM AND SPREADING GROUNDS.	HELD UNDER LICENSE BY THE DISTRICT. OPERATED BY GLENDORA IRRIGATING CO. INTAKE CAPACITY GIVEN IS FOR FREEFALL WEIR.
THOMPSON CREEK	DITCHES AND CHECKS	ABOUT 1928	56.4	--	70	--	0	20	SOUTHERLY FROM AND ADJACENT TO THOMPSON CR. DAM, E. SIDE OF CREEK.	COBAL, WILLIAMS, PALMER AND PADUA CREEKS. THOMPSON CR. 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 CR. RESERVOIR IS USED TO SPREAD STORM FLOWS. WATER SPREAD IN AREA SINCE ABOUT 1918.
SAN ANTONIO	DITCHES, CHECKS AND BASINS	1921-22	771	--	500	--	--	250	BOTH SIDES OF SAN ANTONIO CREEK, FROM 2 1/2 MI. ABOVE BASE LINE SOUTHWESTERLY TO BASE LINE.	SAN ANTONIO CREEK UNCONTROLLED FLOW.	HELD UNDER EASEMENT BY THE DISTRICT, OPERATED BY POMONA VALLEY PROTECTIVE ASSN. W. SIDE 452 A., E. SIDE 232 A., CHANNEL 87 A. IN ADDITION TO THE 771 A. THERE ARE APPROX. 80 A. NOT DEVELOPED. SOME STORAGE CAPACITY IN E. SIDE BASINS. WATER SPREAD IN VICINITY ON AND OFF AS EARLY AS ABOUT 1900.
TOTALS			873.8					295			
COOPERATIVE SPREADING GROUNDS:											
SAN GABRIEL SPRDG. CORP: EAST SIDE	DITCHES AND CHECKS	ABOUT 1917	500	--	--	--	0	100	EASTERLY SIDE OF SAN GABRIEL RIVER, BELOW MOUTH OF CANYON NORTH OF AZUSA.	SAN GABRIEL RIVER: CONTROLLED RELEASES FROM SAN GABRIEL DAMS #1 AND #2 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. SPRDG. GRDS.)	BASINS	ABOUT 1917	6±	3.6	--	--	5	7	WESTERLY SIDE OF SAN GABRIEL RIVER BELOW MOUTH OF FISH CANYON.	SAN GABRIEL RIVER: CONTROLLED RELEASES FROM SAN GABRIEL DAMS #1 AND #2 AND MORRIS DAM VIA DUARTE DITCH.	DISTRICT DELIVERS WATER, DOES HYDROGRAPHIC WORK AND SOME CONSTR. SOME WATER ALSO PERCOLATES IN SAN GABRIEL WASH IN VICINITY OF SPRDG. GRDS. AND IN BRUSH LAND WHERE IRRIGATION WASTE LINES DISCHARGE. NO SEPARATE RECORDS KEPT UNTIL 1926-27.
SIERRA MADRE	DITCHES, CHECKS & BASINS	ABOUT 1933	23±	--	--	--	--	15±	CITY OF SIERRA MADRE SOUTH SIDE OF GRANDVIEW AVE., 1/2 MI. W. OF SANTA ANITA AVE.	LITTLE SANTA ANITA CREEK AND STREET RUNOFF.	NO RECORDS OF WATER SPREAD. GROUNDS TO BE REBUILT IN 1951.
TOTALS			529					122			
SPRDG. GRDS. OF AGENCIES WHICH RECEIVE NO DISTRICT ASSISTANCE:											
U. S. SOIL CONS. SERVICE, KINGS CANYON	BASINS	1945-46	80±	45±	--	--	75	45±	ANTELOPE VALLEY BELOW MOUTH OF KINGS CANYON, AT 129TH ST. WEST, 3/4 MI. SOUTH OF HIGHWAY 138.	L. A. CITY'S OWENS VALLEY AQUEDUCT.	OPERATED ONLY WHEN EXCESS AQUEDUCT WATER WOULD OTHERWISE BE WASTED. GROUNDS OUTSIDE OF DISTRICT.
CITY OF POMONA	DITCHES AND CHECKS	(SEE REMARKS)	20±	--	--	--	--	--	NORTH OF CLAREMONT, SOUTHEAST CORNER AT 1/2 MI. N. OF FOOTHILL BLVD. AND 1/8 MI. W. OF MILLS AVE.	SAN ANTONIO CR. WATER DELIVERED THROUGH LOOP MERSERVE CANYON WATER CO'S. PIPE LINE. ALSO SOME LOCAL RUNOFF.	WATER SPREAD IN VICINITY ON AND OFF SINCE ABOUT 1897. GROUND ACQUIRED BY CITY OF POMONA OCT. 1926. NO RECORD OF WATER SPREAD PRIOR TO 1949-50.
L. A. WATER DEPT: TUJUNGA WASH	BASINS	1931-32	183±	25±	--	--	--	--	SAN FERNANDO VALLEY, W. SIDE OF BIG TUJUNGA WASH AT ROSCOE STREET.	L. A. CITY'S OWENS VALLEY AQUEDUCT.	PRIOR TO 1938 FLOOD USED 80 A. NET.
L. A. RIVER	BASINS	1938-39	50±	39.9	--	--	--	--	SAN FERNANDO VALLEY, S. SIDE OF L.A. RIVER ABOVE MARIPOSA ST.	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			333								

*Capacity variable, depending on condition of grounds, length of run, etc. Figure given is an approx. average for spreading period of a few days to a month or two.

EJK Jr. May 1951

TABLE XV

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION
SUMMARY OF WATER SPREAD IN LOS ANGELES COUNTY
ACRE FEET
(See Companion Tabulation for Basic Data)

SPREADING GROUNDS OWNED BY THE DISTRICT (WHOLLY CONSTRUCTED, MAINTAINED AND OPERATED BY IT)								SPROG. GRDS. ON WHICH THE DISTRICT DOES CONSTRUCTION AND MAINTENANCE WORK				COOPERATIVE SPREADING GROUNDS			SPROG.GRDS. OF AGENCIES WHICH RECEIVE NO DISTRICT ASSISTANCE				TOTAL	SEASON
PACOIMA	HANSEN	ARROYO SECO	EATON	SANTA ANITA	SAWPIT	SAN GABRIEL COASTAL	RIO HONDO COASTAL	LITTLE DALTON[A]	BIG DALTON[A]	THOMPSON CREEK[B]	SAN ANTONIO[B]	S.G.SPRDG. CORP. E. SIDE	S.G.SPRDG. CORP. W. SIDE	CITY OF SIERRA MADRE	U.S.S.C.S. KINGS CANYON	CITY OF POMONA	L.A. WATER DEPT. TUJUNGA WASH	L.A. WATER DEPT. L.A. RIVER		
												7974	(D)						7,974	1919-20
												10082	(D)						10,082	21
											(C)	6132	(D)						6,132	22
											(C)	12408	(D)						12,408	23
											(C)	5069	(D)						5,069	24
											(C)	2878	(D)						2,878	25
											(C)	8440	(D)						8,440	26
											8090	17000	4267			(C)			29,357	27
										(C)	(C)	15865	4942			(C)			20,807	28
										(C)	(C)	14800	4316			(C)			19,116	29
										(C)	(C)	17990	4515			(C)			22,505	30
									10	(C)	201	11109	3078			(C)			14,398	31
								160	394	(C)	7801	31796	5638			(C)	20338		66,127	32
26								0	0	(C)	111	16517	3489			(C)	26873		47,016	33
230								0	100	(C)	630	13917	2990	(C)		(C)	20795		38,662	34
1200								0	131	(C)	6834	42372	9635	(C)		(C)	24775		84,947	35
2000								0	0	(C)	1652	21818	3154	(C)		(C)	19310		47,934	36
4609								275	866	(C)	22552	46501	7610	(C)		(C)	8736		91,149	37
3751							3660	287	397	(C)	15000	37764	6997	(C)		(C)	5732		73,588	38
381						2622	0	12	49	(C)	1433	20957	3052	(C)		(C)	12258	(E)	40,764	39
907						0	1702	0	0	49	2666	22235	5613	(C)		(C)	3024	(E)	36,196	40
9775						4678	9835	1262	1530	560	28091	50168	8748	(C)		(C)	3446	(E)	118,093	41
37						0	2174	196	120	0	83	22387	7246	(C)		(C)	11290	(E)	43,533	42
3744						0	0	1080	1397	504	27790	29625	2579	(C)		(C)	12131	(E)	78,850	43
7251						0	0	525	555	37	10270	33850	7100	(C)		(C)	3191	(E)	62,779	44
1465	7649			337		0	0	289	31	18	4959	39822	9326	(C)		(C)	0	(E)	63,896	45
514	2267			0		0	9546	73	30	5	3271	26234	9863	(C)	750	(C)	0	(E)	52,553	46
3762	8725			141	89	384	4844	89	180	0	5801	26610	6042	(C)	6500	(C)	1686	(E)	64,853	47
0	0		1	0	0	0	3760	10	0	0	6	4441	2573	(C)	0	(C)	0	(E)	10,791	48
0	0	108	0	0	8	0	0	10	88	0	0	3663	554	(C)	0	(C)	0	(E)	4,431	49
245	0	284	61	0	0	0	0	26	56	0	55	9275	2440	(C)	0	450±	762	(E)	13,654	50
0	0	19	0	0	19	0	0	0	30	0	3	1518	482	(C)	0	0	2355	(E)	4,426	51
39897	18641	411	62	478	116	7684	35521	4294	5964	1173	147299	631217	126249	---	7250	450	176702	---	1,203,408	TOTAL

erated by Glendora Irrig. Co.
erated by Pomona Valley Protective Assn.
ter spread, no records kept.
cluded in East Side, if any.
ily measurements made; total volume not computed.

TABLE XVI

RUNOFF WASTE TO OCEAN IN ACRE FEET

YEAR	COYOTE CREEK NEAR DEL AMO *BELOW P.E. BRIDGE ARTESIA	SAN GABRIEL RIVER AT SPRING STREET	L.A. RIVER AT PACIFIC COAST HWY. **L.A. RIVER AT WILLOW ST.	BALLONA CREEK AT SAWTELLE BOULEVARD ***AT CENTINELA BLVD.	TOTAL WASTE TO OCEAN	RAINFALL INDEX MEAN FOR COUNTY
1927-28		NO FLOW		***3930		66
1928-29		" "	**9340 INC.	***14900	24240	69
1929-30	*699	" "	**12300	***13500	26500	78
1930-31	*5681	" "	**14400	***18500	33470	92
1931-32	*2690	6560	51000	***21800	82050	122
1932-33	*457	809	22900	***15800	39970	73
1933-34	*3890	12400	67900	***20600	104800	68
1934-35	*3850	2380	40500	***24900	71630	131
1935-36	*1150	1190	20500	***13300		
				186	36330	68
1936-37	13700	13500	91100	40680	159000	141
1937-38	15100	88020	408000	52500	599600	147
1938-39	4250	1080	82750	28490	116600	118
1939-40	3190	1460	65930	21110	91690	81
1940-41	29500	65890	369500	67360	532200	215
1941-42	1560	10830	93390	17250	123000	80
1942-43	12070	175100	264900	34240	486300	148
1943-44	12060	72200	217400	33000	334660	158
1944-45	3800	22280	100200	24450	150730	90
1945-46	3540	12590	91790	18380	126300	88
1946-47	2460	24100	106000	26300	158860	92
1947-48	1500	NO FLOW	52820	13630	67950	51
1948-49	951	" "	44350	16090	61390	57
1949-50	1800	" "	42180	23250	67230	64
1950-51	1420	" "	36600	18860	56880	42

NOTE: RAINFALL INDEX NOW BASED ON 77-YEAR NORMAL.

LEGEND

WITH AUTOMATIC
FOR WHICH
HS ARE INCLUDED
ORT
WITH AUTOMATIC
FOR WHICH HYDRO-
INCLUDED IN THIS
LLS WITH AUTO-
DERS
TER BARRIERS
ROUNDS AND CHAN-
ATING AREAS
E MARKING TRAN-
M FREE TO PRES-
ND WATER LEVELS

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
25. HOLLYWOOD
26. SANTA CLARA
27. VALYERMO
28. PALLETT CREEK
29. AMARGOSA
30. ROCK CREEK
31. BUTTES
32. LANCASTER
33. NEENACH
- 34A. MONTEBELLO FOREBAY
- 35A. LOS ANGELES FOREBAY
- 36. LA HABRA

SPREADING AREAS

- (1) PACOIMA WASH CHANNEL
- (2) PACOIMA SPREADING GROUNDS
- (3) BIG TUJUNGA WASH CHANNEL
- (4) HANSEN SPREADING GROUNDS
- (5) L.A. CITY TUJUNGA SPREADING GROUNDS
- (6) L.A. CITY CRYSTAL SPRINGS INFILTRATION AREA
- (7) EATON WASH CHANNEL
- (8) SIERRA MADRE SPREADING GROUNDS
- (9) SANTA ANITA WASH CHANNEL
- (10) SAWPIT WASH CHANNEL
- (11) SAN GABRIEL RIVER WATER COMMITTEE SPREADING GROUNDS
  - (A) WEST SIDE CANYON BASIN
  - (B) EAST SIDE CANYON BASIN
  - (C) WASH CHANNELS FED BY COVINA AND AZUSA CANALS
- (12) SANTA FE DAM PERCOLATING AREA
- (13) RIO HONDO AND SAN GABRIEL RIVER CHANNELS IN MAIN BASIN
- (14) RIO HONDO COASTAL BASIN SPREADING GROUNDS
- (15) SAN GABRIEL RIVER COASTAL BASIN SPREADING GROUNDS
- (16) RIO HONDO AND SAN GABRIEL RIVER CHANNELS IN COASTAL BASIN
- (17) LITTLE DALTON SPREADING GROUNDS
- (18) BIG DALTON SPREADING GROUNDS
- (19) SAN DIMAS WASH CHANNEL
- (20) LIVE OAK CREEK CHANNEL
- (21) THOMPSON CREEK SPREADING GROUNDS
- (22) SAN ANTONIO SPREADING GROUNDS
- (23) SANTA CLARA BASIN CHANNELS FED BY L.A. AQUEDUCT
- (24) ARROYO SECO SPREADING GROUNDS
- (25) KINGS CANYON SPREADING GROUNDS
- (26) EATON SPREADING GROUNDS
- (27) SAWPIT SPREADING GROUNDS
- (28) SANTA ANITA SPREADING AREA

PREPARED BY E.K.K.
TRACED BY E.K.K.
CHECKED BY L.M.W.

NOTE:
THIS DUPLICATE TRACING MADE FROM ORIGINAL BASE TRACING NO. 2-ML 74 REVISED IN APRIL 1947.

REVISIONS ON DUPLICATE

AS OF DATE	DONE DATE	DESCRIPTION	BY
SEP 1945	MAY 1947	ADDED ANTELOPE VALLEY, L.A. AQUEDUCT, BASINS, WELLS, SPRDG. AREAS, LEGEND, TITLE	J.J.K.A.
SEP 1947	JAN. 1948	GEN. FOR 1945-47 REPORT	"
SEP 1948	DEC 1948	GEN. FOR 1947-48 REPORT	K.M.S.
SEP 1951	MAY 1952	GEN. FOR 1948-51 REPORT	J.J.K.

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

MAP SHOWING LOCATION OF
KEY WELLS
GROUND WATER BASINS
AND SPREADING GROUNDS

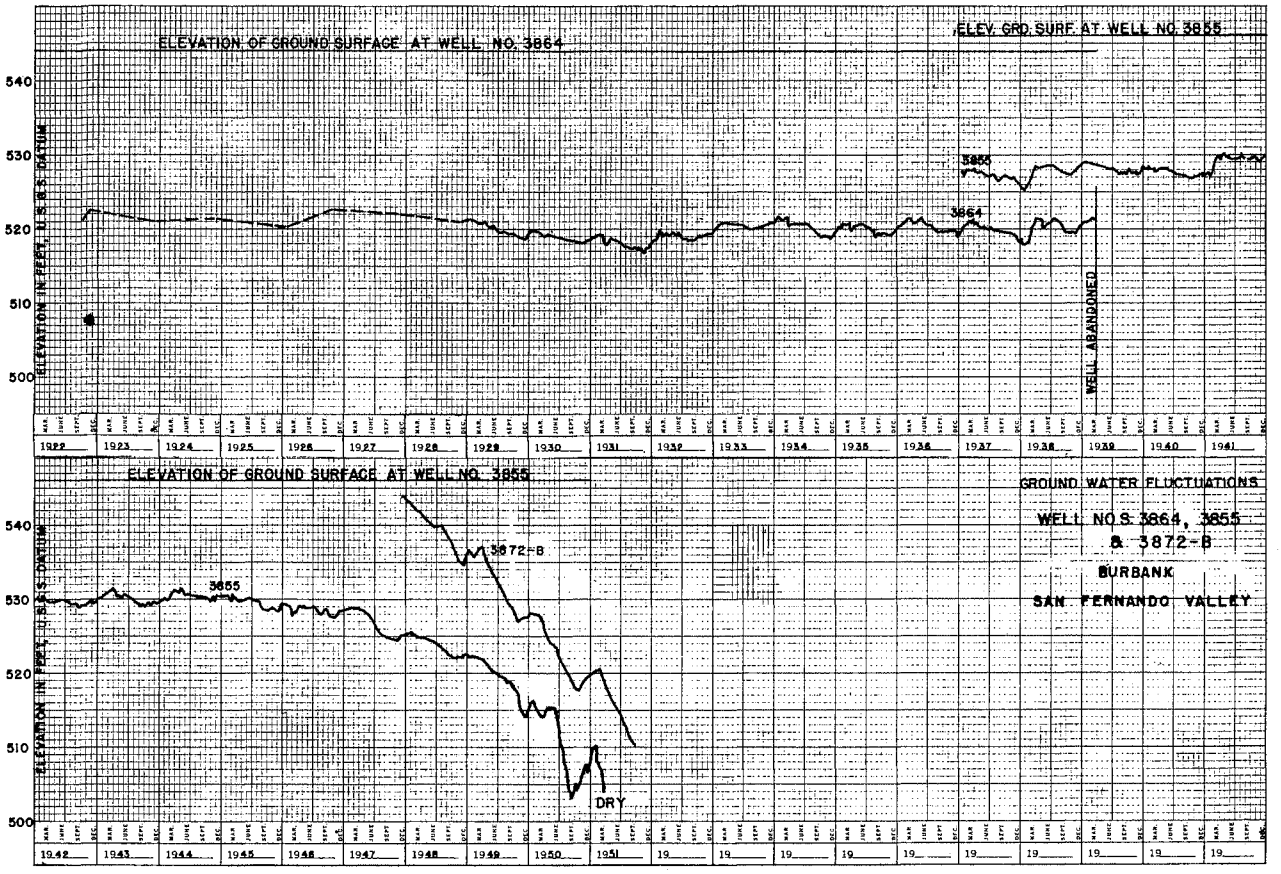
APPROVED BY H.E. Hedges 6/5/52 CHIEF ENGINEER

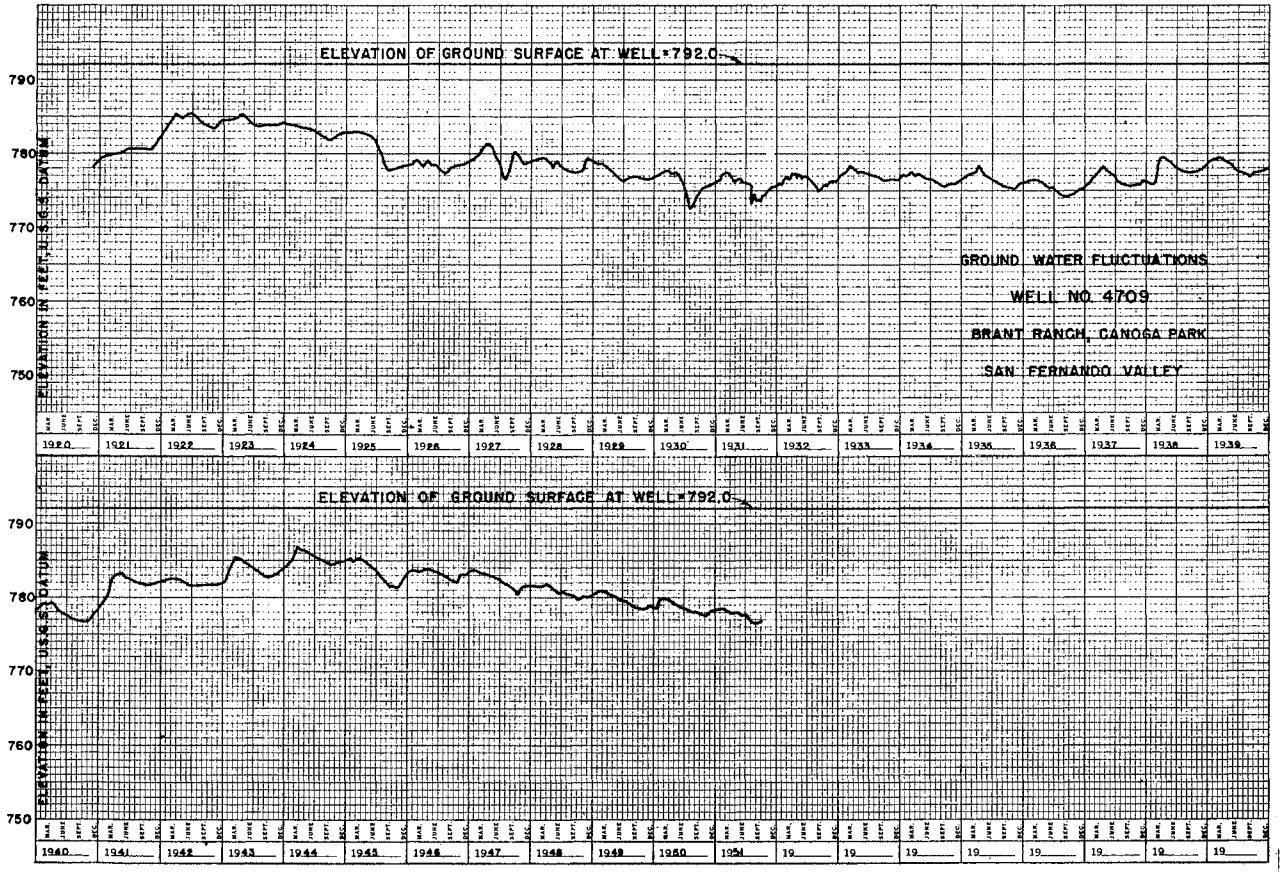
SUBMITTED BY Emily A. Everett CHIEF-HYDRAULIC DIVISION

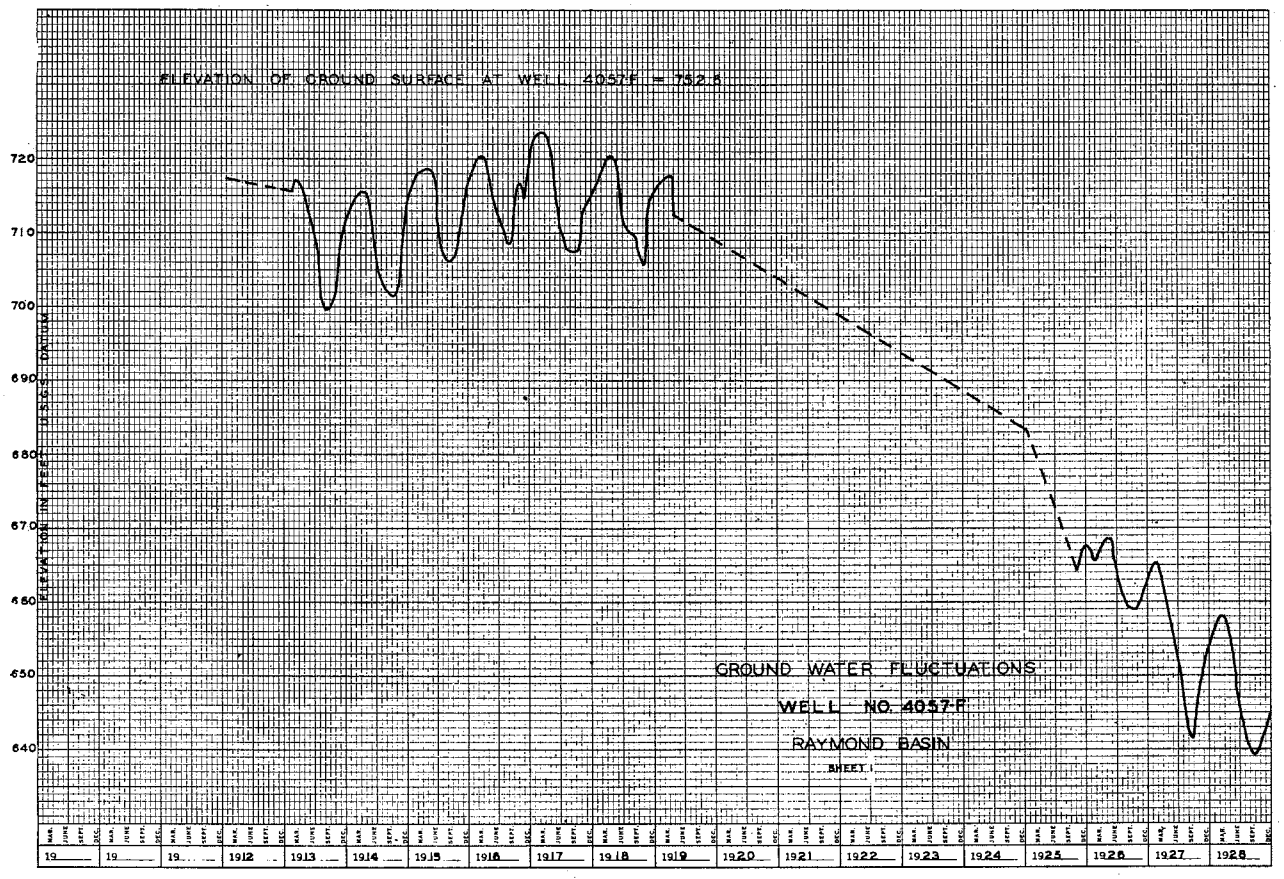
RECOMMENDED BY Paul Bannon ASST. CHIEF ENGINEER

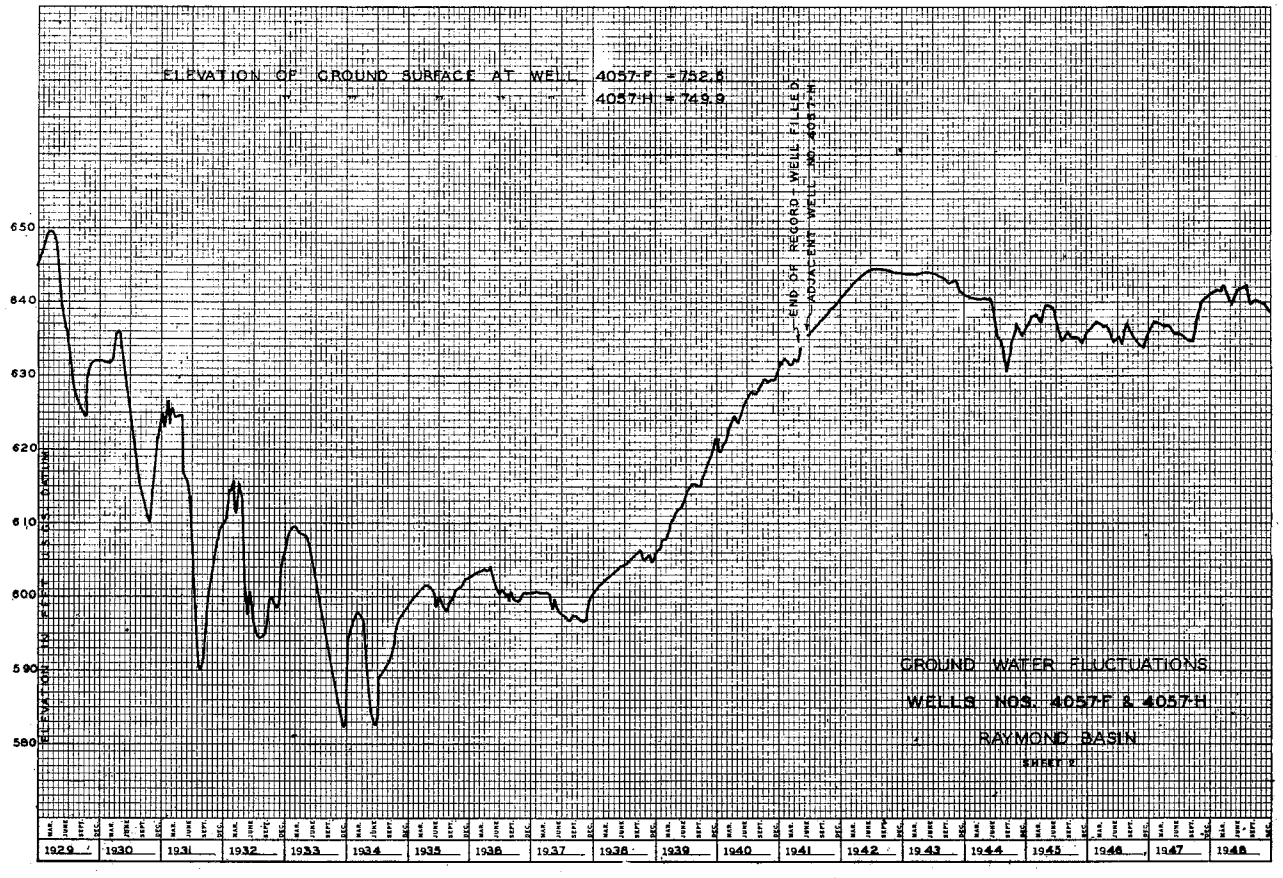
T.B. 16 NO. 2-H 74

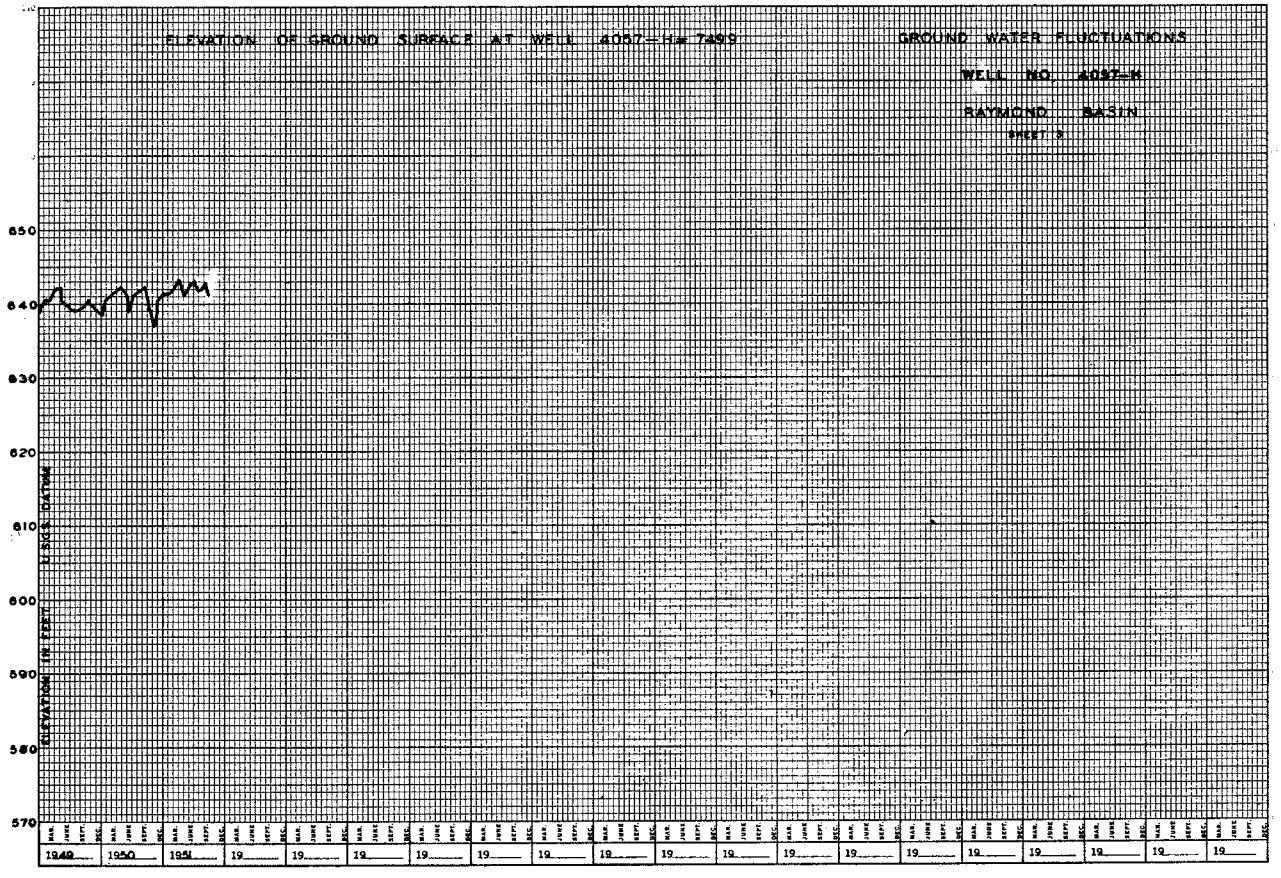
MAP IV

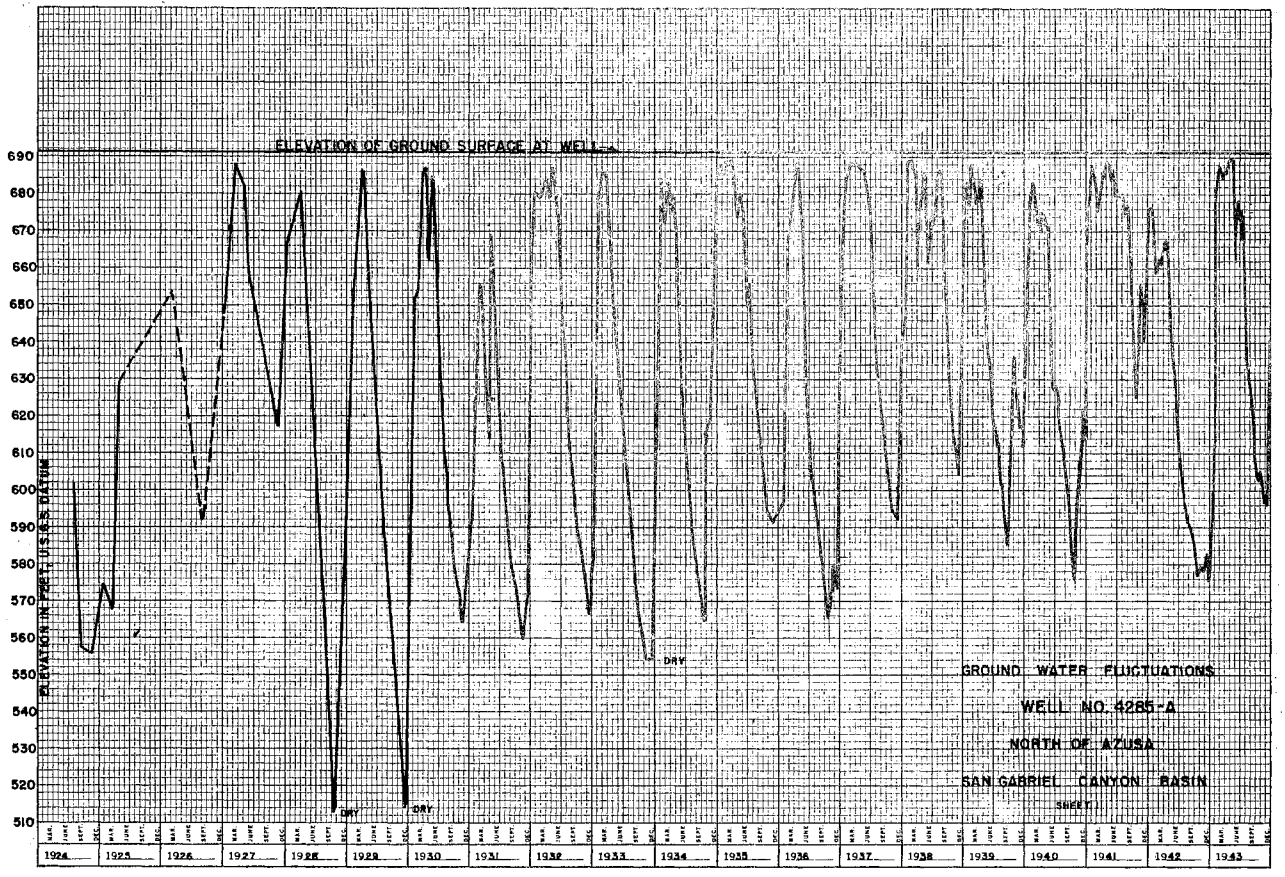

ELEVATION OF GROUND SURFACE AT WELL NO. 3864
ELEV. GRD. SURF. AT WELL NO. 3855
ELEVATION IN FEET, U.S.G.S. DATUM
540
530
520
510
500
3855
3864
WELL ABANDONED
1922
1923
1924
1925
1926
1927
1928
1929
1930
1931
1932
1933
1934
1935
1936
1937
1938
1939
1940
1941
ELEVATION OF GROUND SURFACE AT WELL NO. 3855
3872-B
3855
DRY
1942
1943
1944
1945
1946
1947
1948
1949
1950
1951
GROUND WATER FLUCTUATIONS
WELL NOS. 3864, 3855
& 3872-B
BURBANK
SAN FERNANDO VALLEY

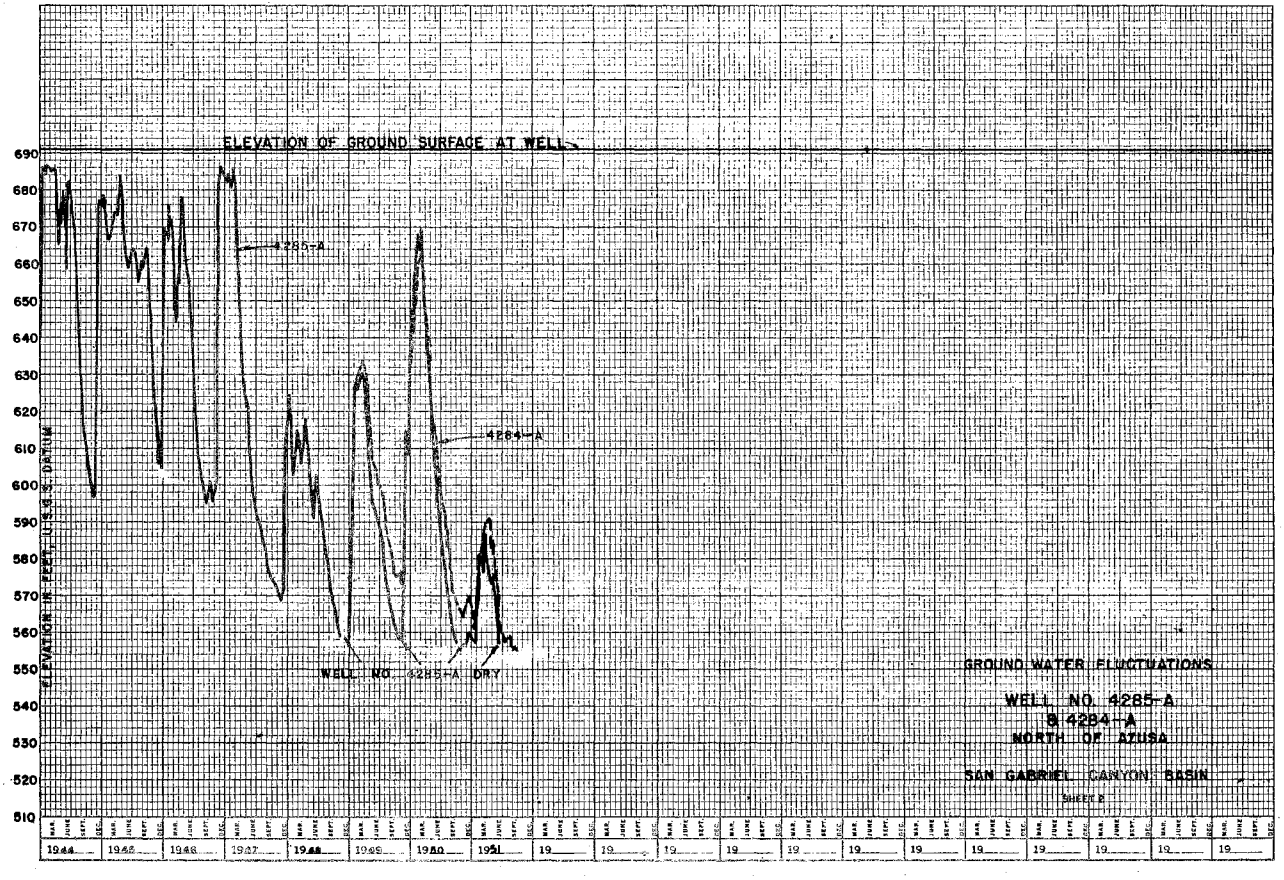

ELEVATION OF GROUND SURFACE AT WELL=792.0
ELEVATION IN FEET, U.S.G.S. DATUM
790
780
770
760
750
1920
1921
1922
1923
1924
1925
1926
1927
1928
1929
1930
1931
1932
1933
1934
1935
1936
1937
1938
1939
GROUND WATER FLUCTUATIONS
WELL NO. 4709
BRANT RANCH, CANOGA PARK
SAN FERNANDO VALLEY
ELEVATION OF GROUND SURFACE AT WELL=792.0
1940
1941
1942
1943
1944
1945
1946
1947
1948
1949
1950
1951

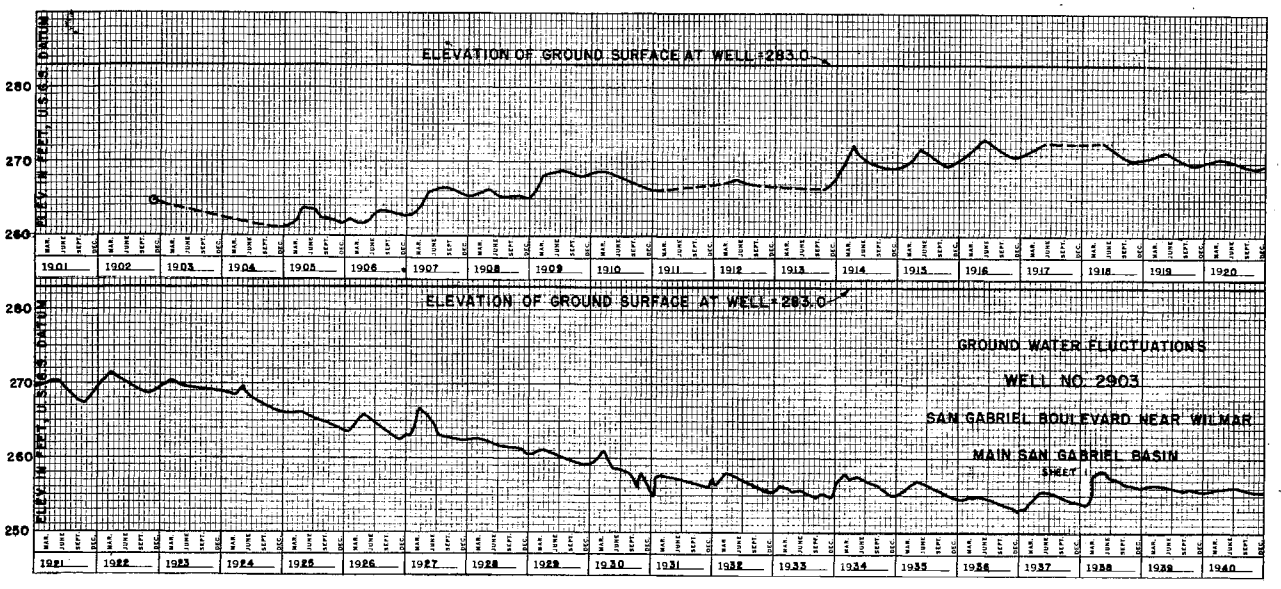

ELEVATION OF GROUND SURFACE AT WELL 4057-F = 752.5
720
710
700
690
680
670
660
650
640
ELEVATION IN FEET BASIS OF DATUM
GROUND WATER FLUCTUATIONS
WELL NO. 4057-F
RAYMOND BASIN
SHEET 1
MAR. JUNE SEPT. DEC.
19 19 19 1912 1913 1914 1915 1916 1917 1918 1919 1920 1921 1922 1923 1924 1925 1926 1927 1928

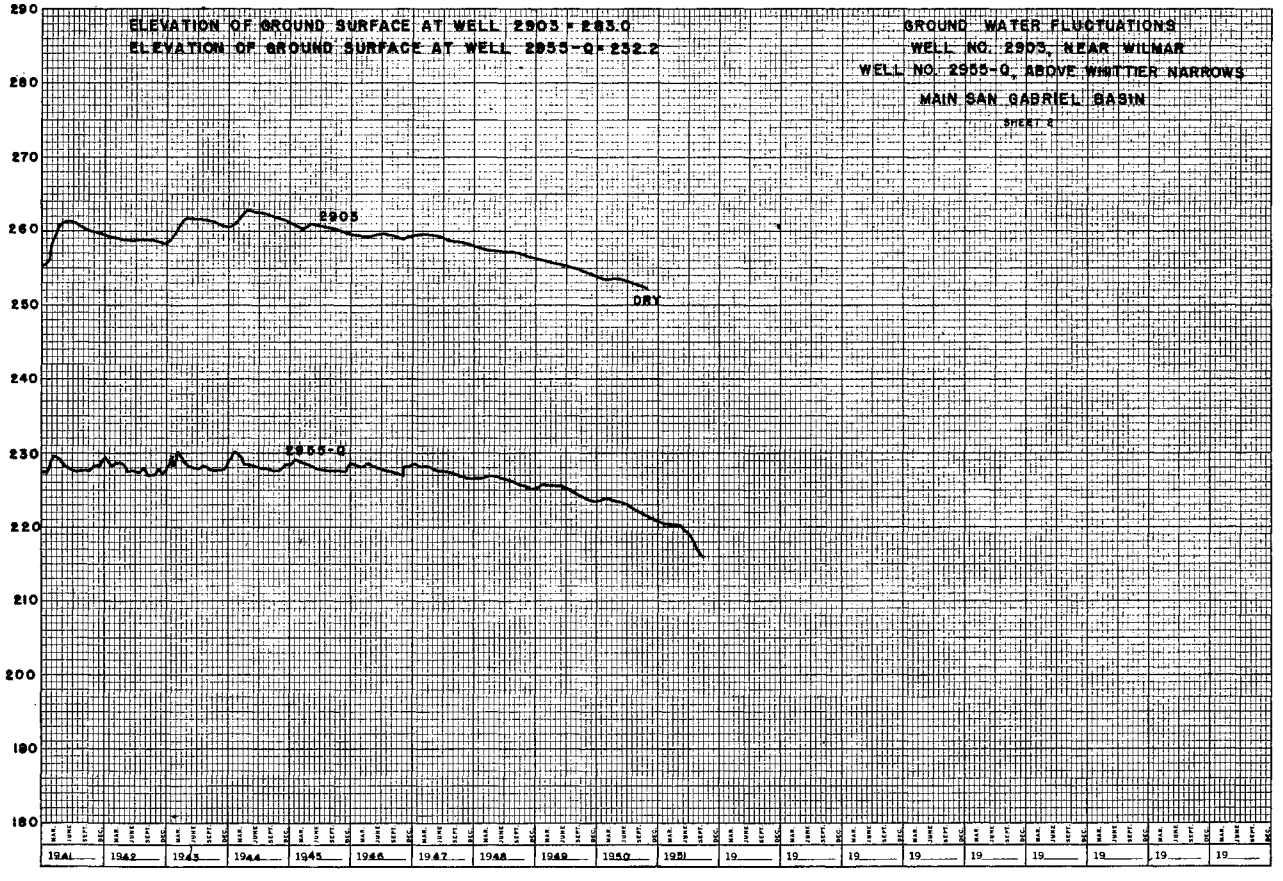

ELEVATION OF GROUND SURFACE AT WELL 4057-F = 752.5
" " " " " 4057-H = 749.9
END OF RECORD - WELL FILLED
ADJACENT WELL NO. 4057-H
650
640
630
620
610
600
590
580
ELEVATION IN FEET BASIS OF DATUM
GROUND WATER FLUCTUATIONS
WELLS NOS. 4057-F & 4057-H
RAYMOND BASIN
SHEET 2
MAR. JUNE SEPT. DEC.
1929 1930 1931 1932 1933 1934 1935 1936 1937 1938 1939 1940 1941 1942 1943 1944 1945 1946 1947 1948

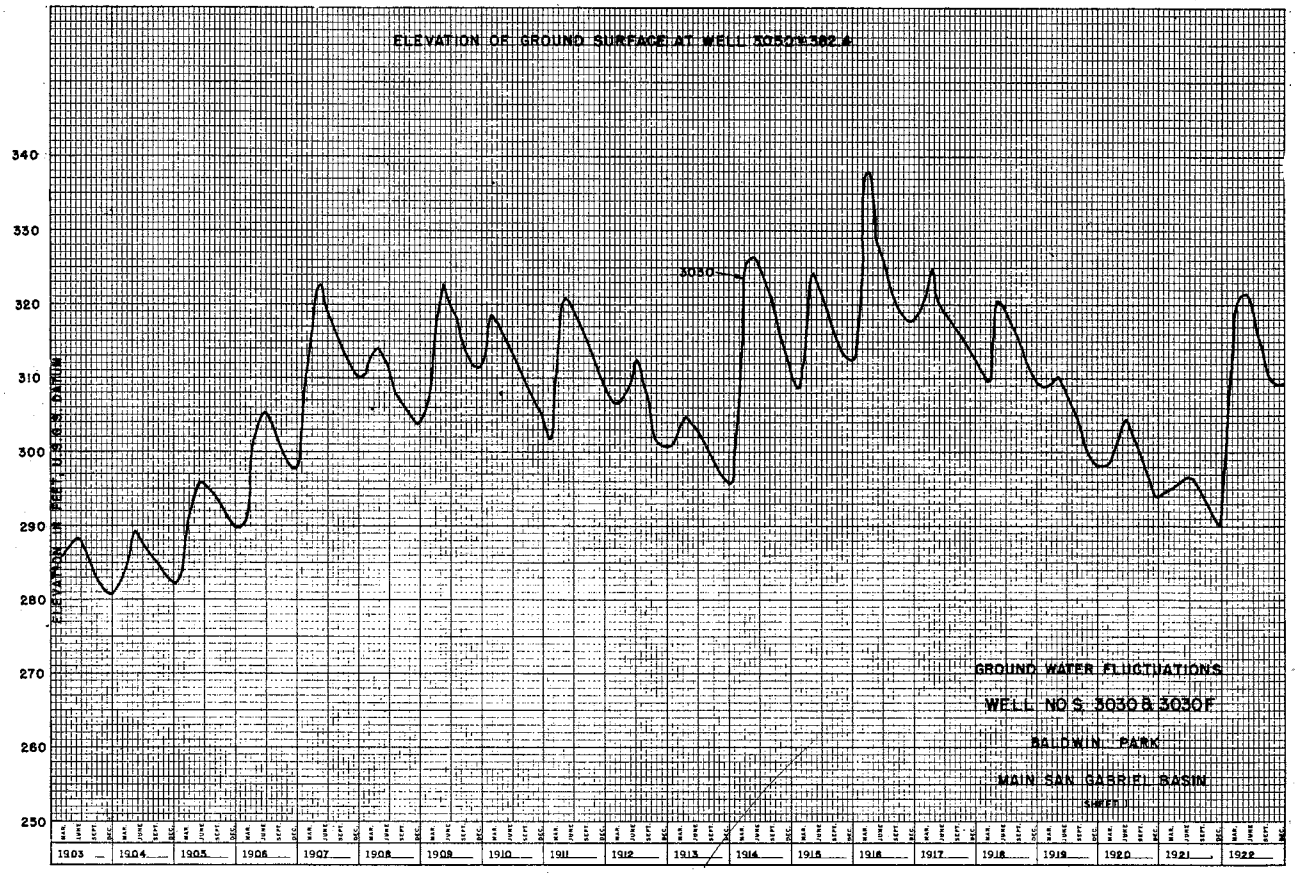

ELEVATION OF GROUND SURFACE AT WELL 4057-H = 749.9
GROUND WATER FLUCTUATIONS
WELL NO. 4057-H
RAYMOND BASIN
SHEET 3
ELEVATION IN FEET U.S.G.S. DATUM
650
640
630
620
610
600
590
580
570
1949
1950
1951
19

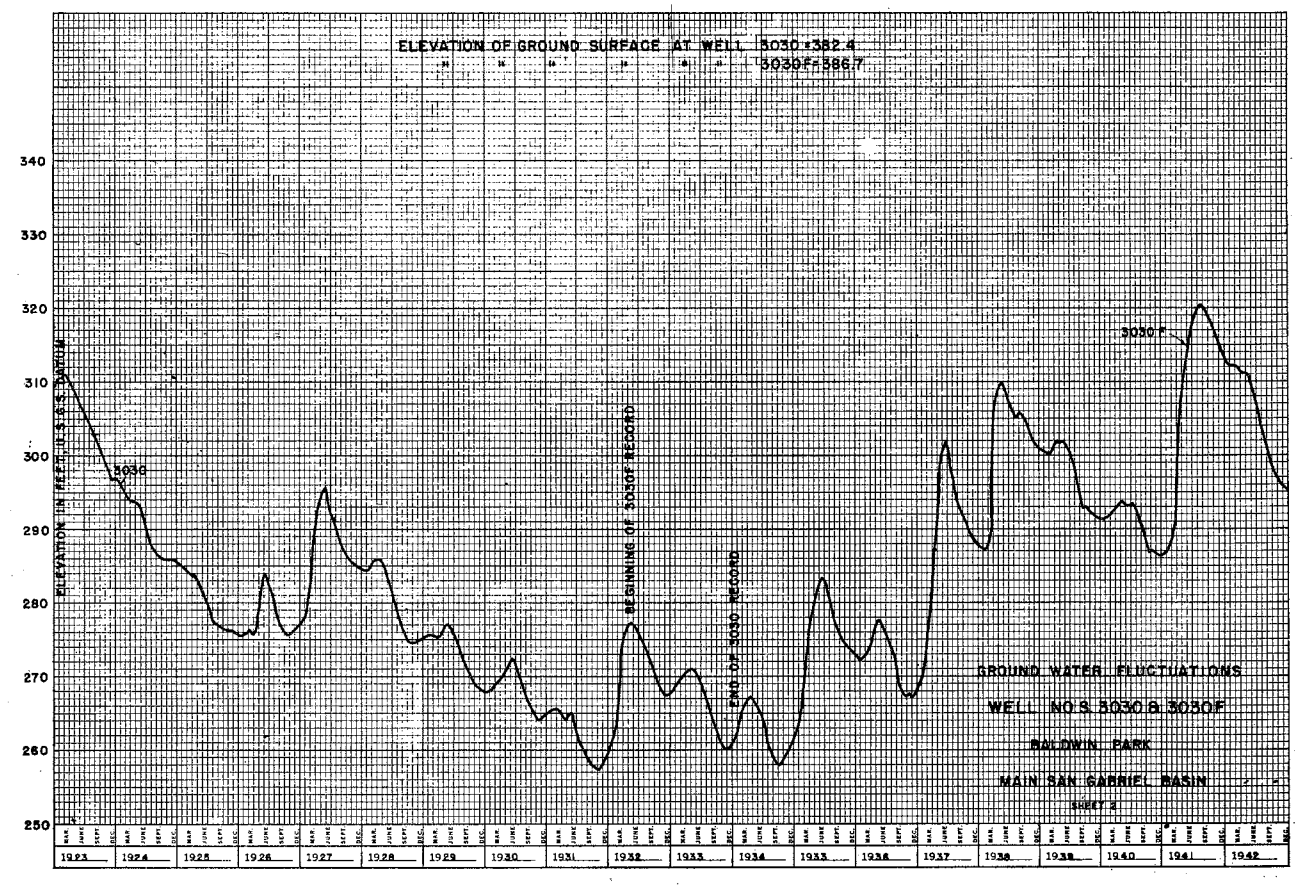

ELEVATION OF GROUND SURFACE AT WELL
ELEVATION IN FEET, U.S.G.S. DATUM
690
680
670
660
650
640
630
620
610
600
590
580
570
560
550
540
530
520
510
DRY
DRY
DRY
1924
1925
1926
1927
1928
1929
1930
1931
1932
1933
1934
1935
1936
1937
1938
1939
1940
1941
1942
1943
GROUND WATER FLUCTUATIONS
WELL NO. 4285-A
NORTH OF AZUSA
SAN GABRIEL CANYON BASIN
SHEET 1

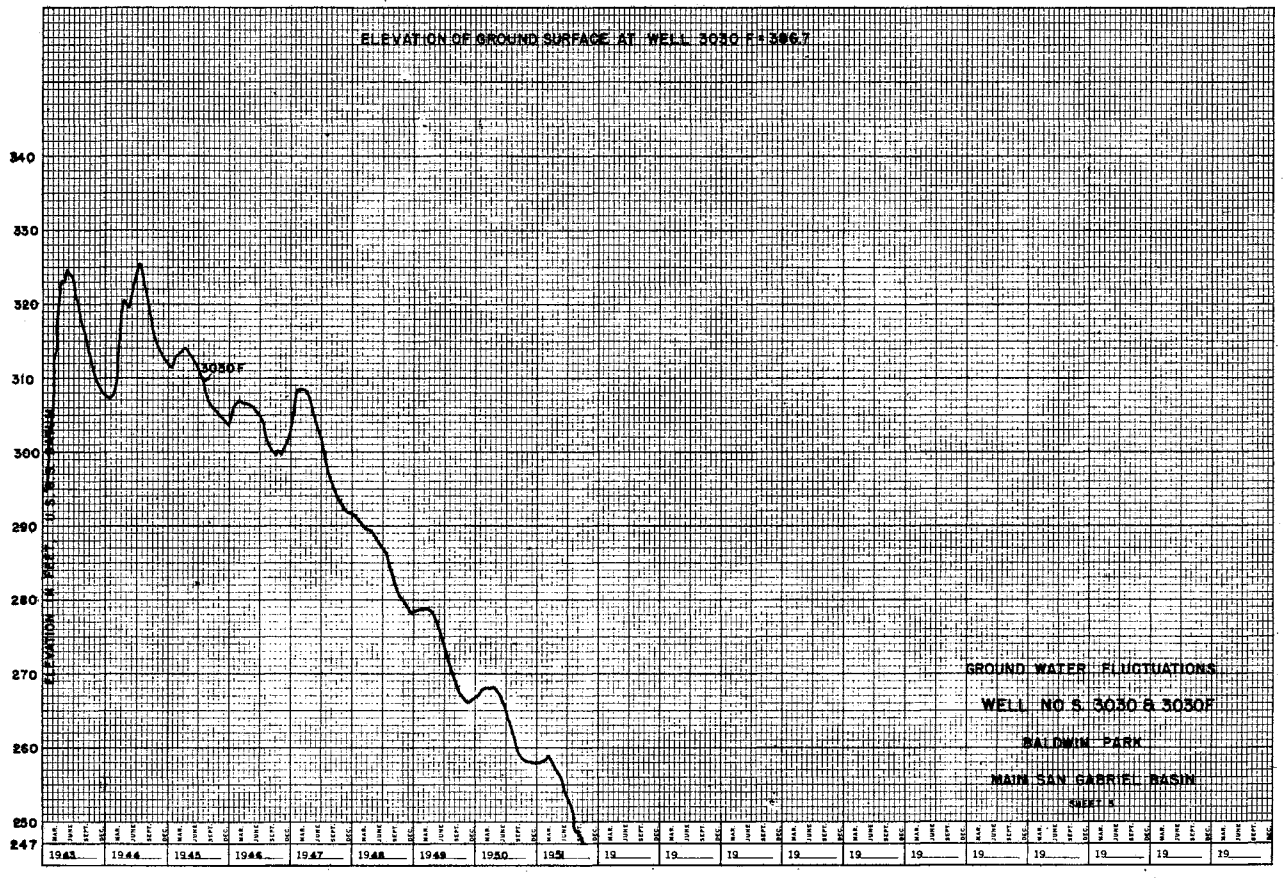

ELEVATION OF GROUND SURFACE AT WELL
ELEVATION IN FEET, U.S.G.S. DATUM
690
680
670
660
650
640
630
620
610
600
590
580
570
560
550
540
530
520
510
4285-A
4284-A
WELL NO. 4285-A DRY
1944
1945
1946
1947
1948
1949
1950
1951
GROUND WATER FLUCTUATIONS
WELL NO. 4285-A
& 4284-A
NORTH OF AZUSA
SAN GABRIEL CANYON BASIN
SHEET 2

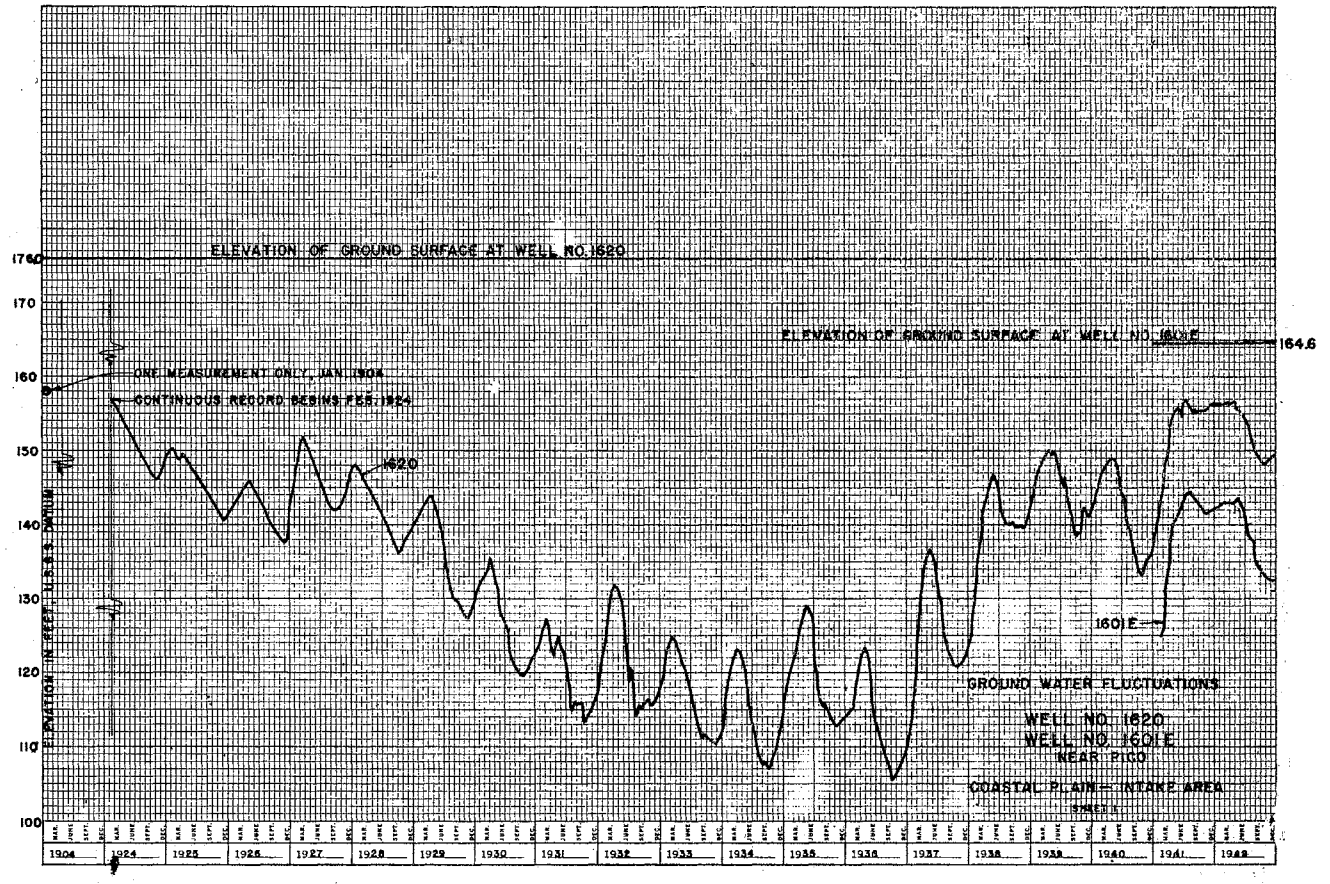

ELEVATION OF GROUND SURFACE AT WELL +283.0
ELEVATION OF GROUND SURFACE AT WELL +283.0
ELEV. IN FEET, U.S.C.G.S. DATUM
280
270
260
250
1901
1902
1903
1904
1905
1906
1907
1908
1909
1910
1911
1912
1913
1914
1915
1916
1917
1918
1919
1920
1921
1922
1923
1924
1925
1926
1927
1928
1929
1930
1931
1932
1933
1934
1935
1936
1937
1938
1939
1940
GROUND WATER FLUCTUATIONS
WELL NO. 2903
SAN GABRIEL BOULEVARD NEAR WILMAR
MAIN SAN GABRIEL BASIN
SHEET 1

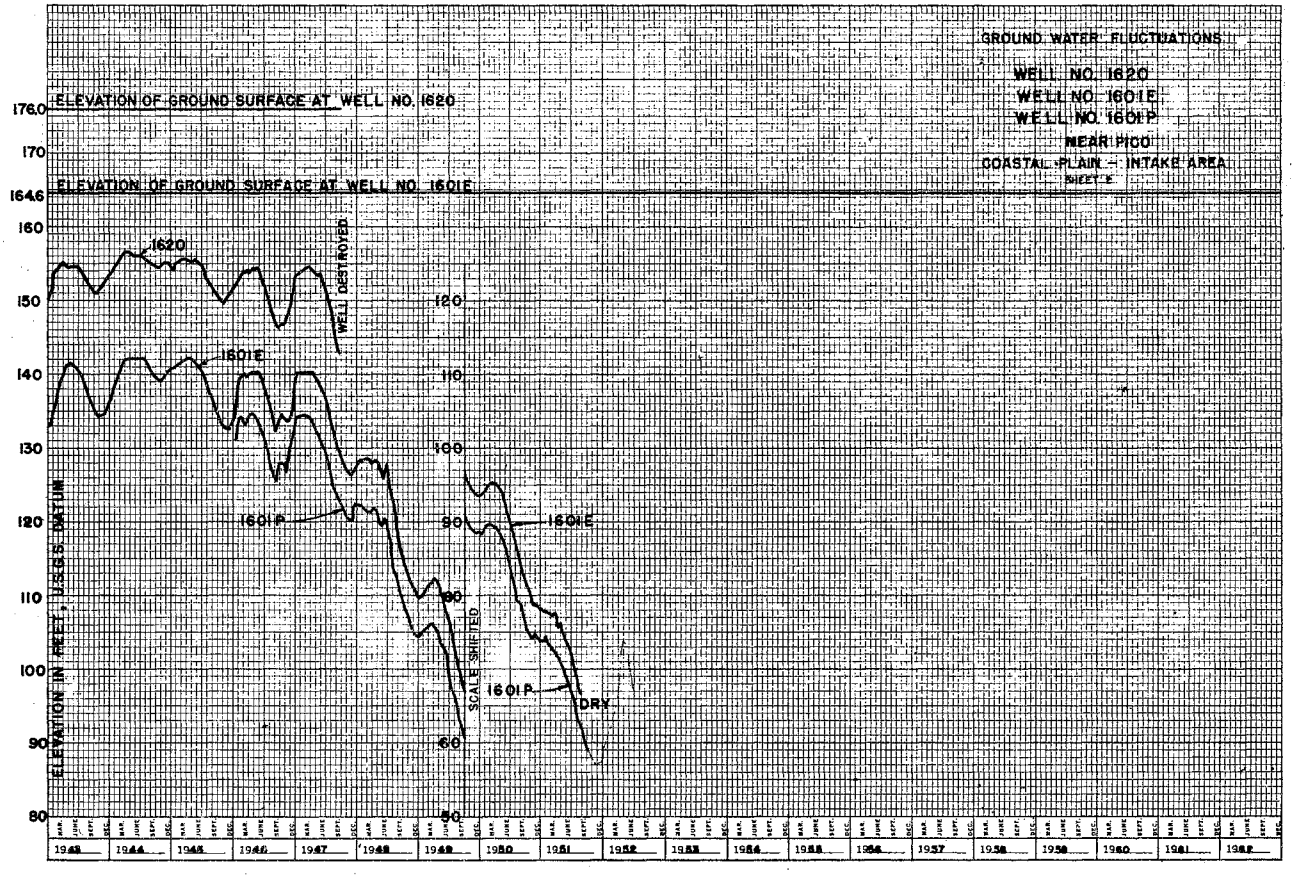

ELEVATION OF GROUND SURFACE AT WELL 2903 = 283.0
ELEVATION OF GROUND SURFACE AT WELL 2955-Q = 252.2
GROUND WATER FLUCTUATIONS
WELL NO. 2903, NEAR WILMAR
WELL NO. 2955-Q, ABOVE WHITTIER NARROWS
MAIN SAN GABRIEL BASIN
SHEET 2
2903
DRY
2955-Q
290
280
270
260
250
240
230
220
210
200
190
180
1941
1942
1943
1944
1945
1946
1947
1948
1949
1950
1951

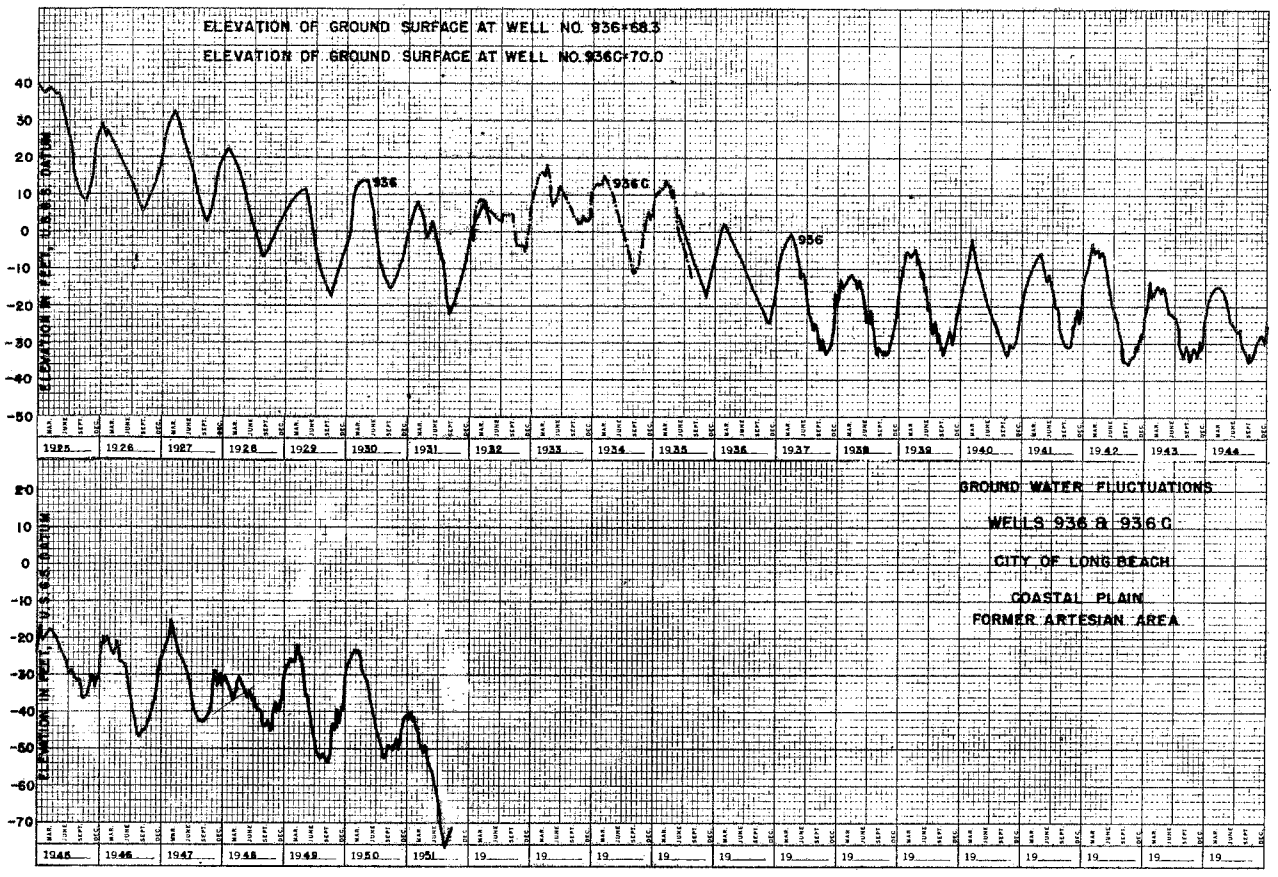

ELEVATION OF GROUND SURFACE AT WELL 3030=382.4
ELEVATION IN FEET, U.S.G.S. DATUM
340
330
320
310
300
290
280
270
260
250
3030
GROUND WATER FLUCTUATIONS
WELL NOS. 3030 & 3030F
BALDWIN PARK
MAIN SAN GABRIEL BASIN
SHEET 1
1903
1904
1905
1906
1907
1908
1909
1910
1911
1912
1913
1914
1915
1916
1917
1918
1919
1920
1921
1922

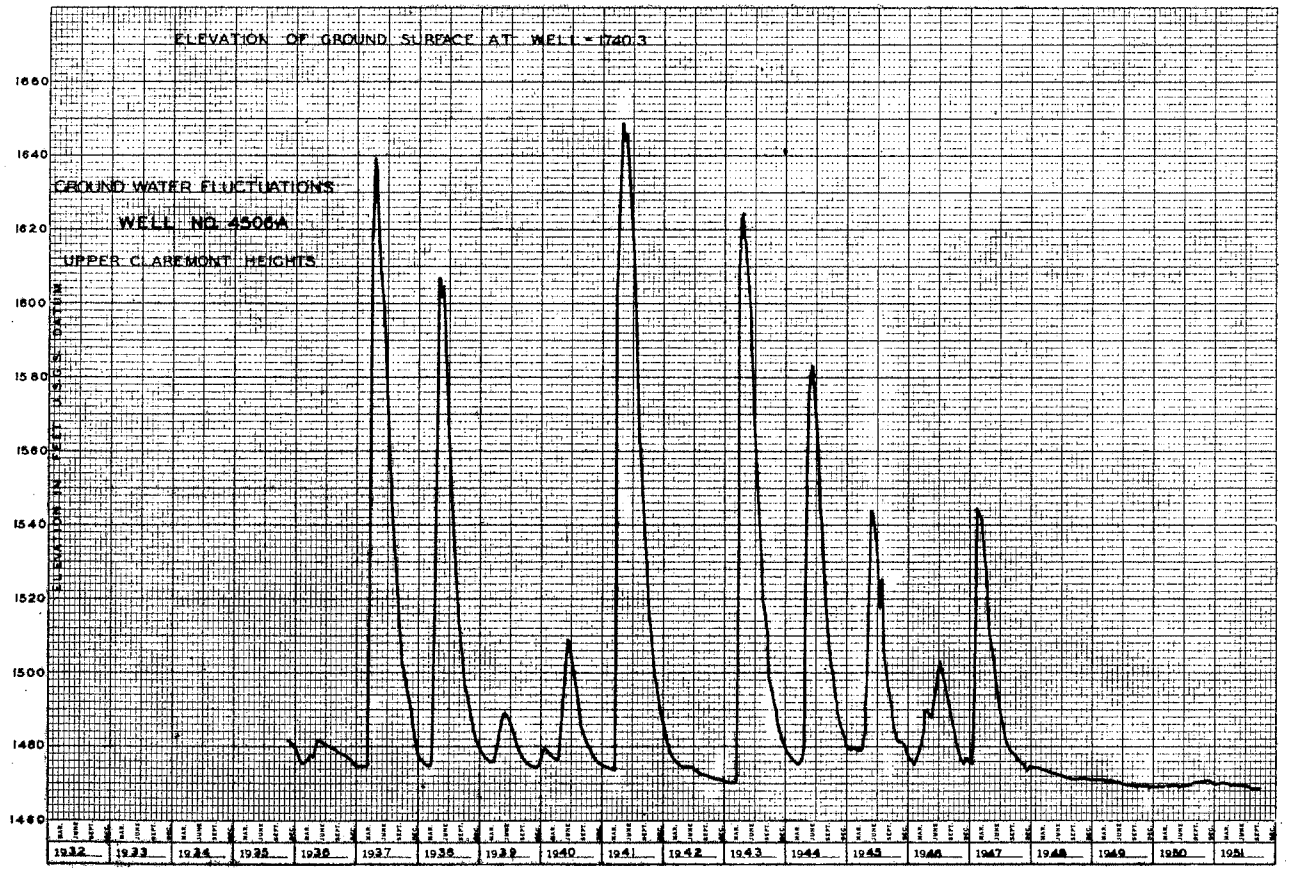

ELEVATION OF GROUND SURFACE AT WELL 3030=382.4
3030F=386.7
ELEVATION IN FEET, U.S.G.S. DATUM
340
330
320
310
300
290
280
270
260
250
3030
3030F
BEGINNING OF 3030F RECORD
END OF 3030 RECORD
GROUND WATER FLUCTUATIONS
WELL NOS. 3030 & 3030F
BALDWIN PARK
MAIN SAN GABRIEL BASIN
SHEET 2
1923
1924
1925
1926
1927
1928
1929
1930
1931
1932
1933
1934
1935
1936
1937
1938
1939
1940
1941
1942

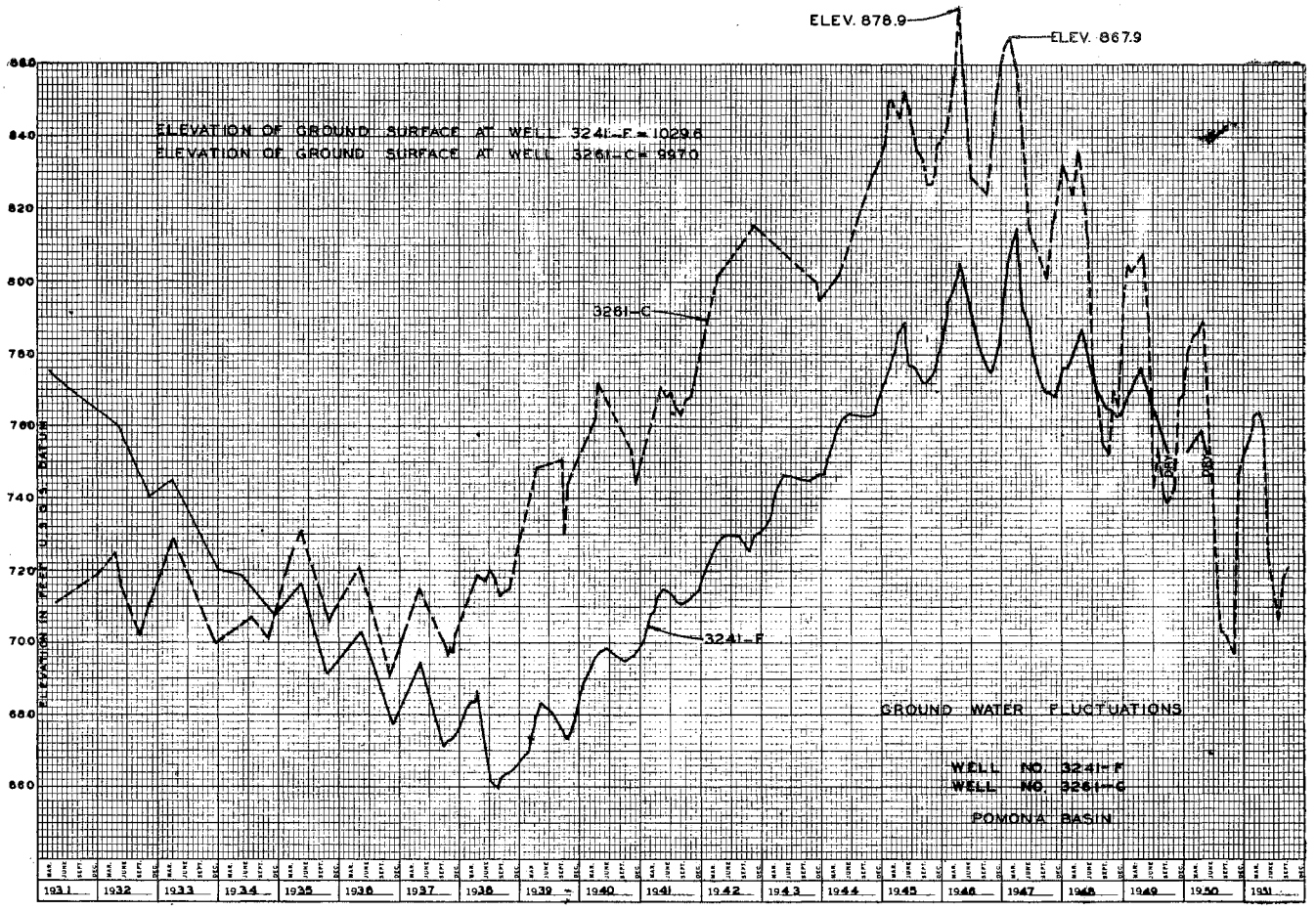

ELEVATION OF GROUND SURFACE AT WELL 3030 F = 386.7
ELEVATION IN FEET (U.S.C.&G.S. DATUM)
340
330
320
310
300
290
280
270
260
250
247
3030F
1943
1944
1945
1946
1947
1948
1949
1950
1951
GROUND WATER FLUCTUATIONS
WELL NO S. 3030 & 3030F
BALDWIN PARK
MAIN SAN GABRIEL BASIN
SHEET 8

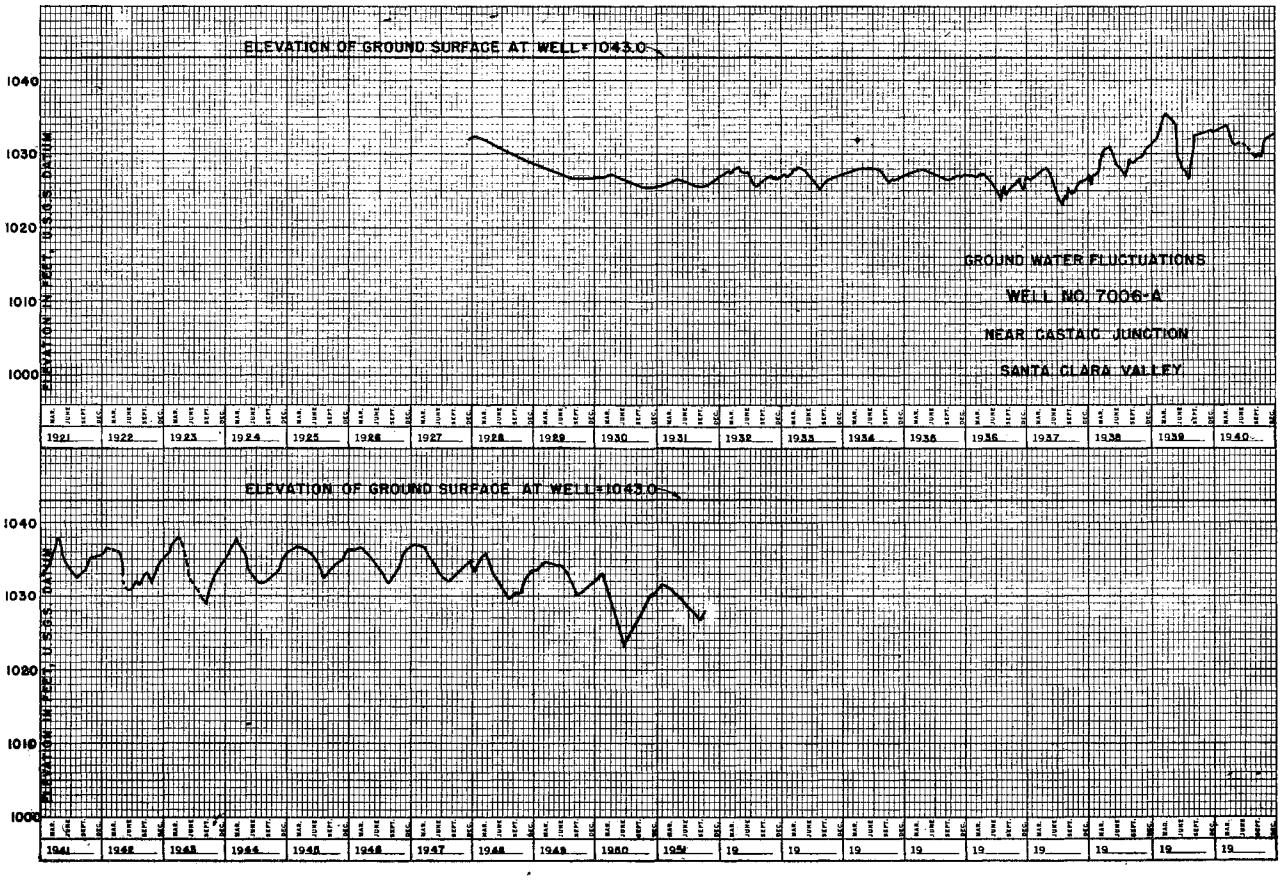

ELEVATION OF GROUND SURFACE AT WELL NO. 1620
ELEVATION OF GROUND SURFACE AT WELL NO. 1601E
164.6
ONE MEASUREMENT ONLY, JAN. 1904
CONTINUOUS RECORD BEGINS FEB. 1924
1620
1601E
ELEVATION IN FEET, U.S.G.S. DATUM
GROUND WATER FLUCTUATIONS
WELL NO. 1620
WELL NO. 1601E
NEAR PICO
COASTAL PLAIN — INTAKE AREA
SHEET A

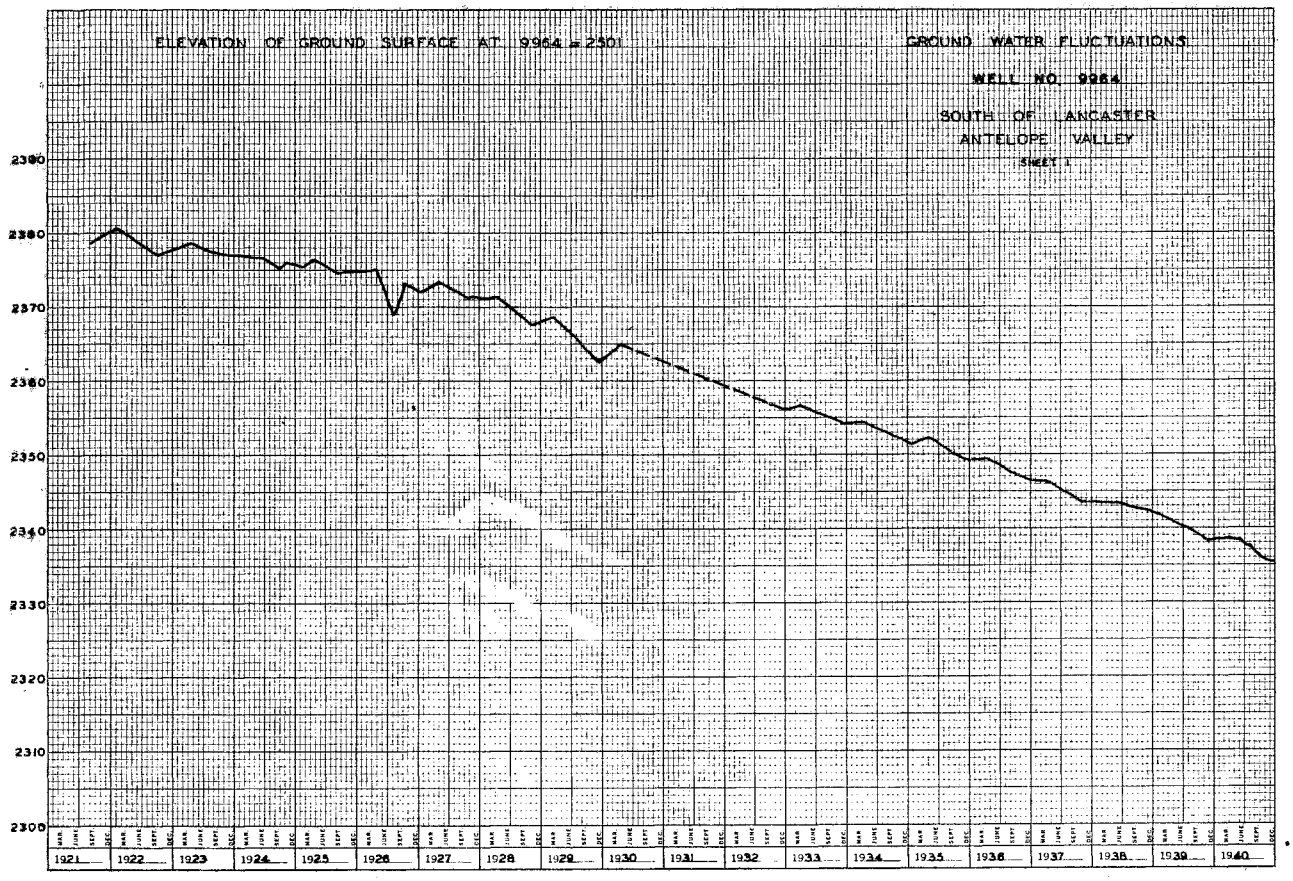

GROUND WATER FLUCTUATIONS
WELL NO. 1620
WELL NO. 1601E
WELL NO. 1601P
NEAR PICO
COASTAL PLAIN — INTAKE AREA
SHEET B
ELEVATION OF GROUND SURFACE AT WELL NO. 1620
ELEVATION OF GROUND SURFACE AT WELL NO. 1601E
1620
1601E
1601P
WELL DESTROYED
SCALE SHIFTED
DRY
ELEVATION IN FEET, U.S.G.S. DATUM

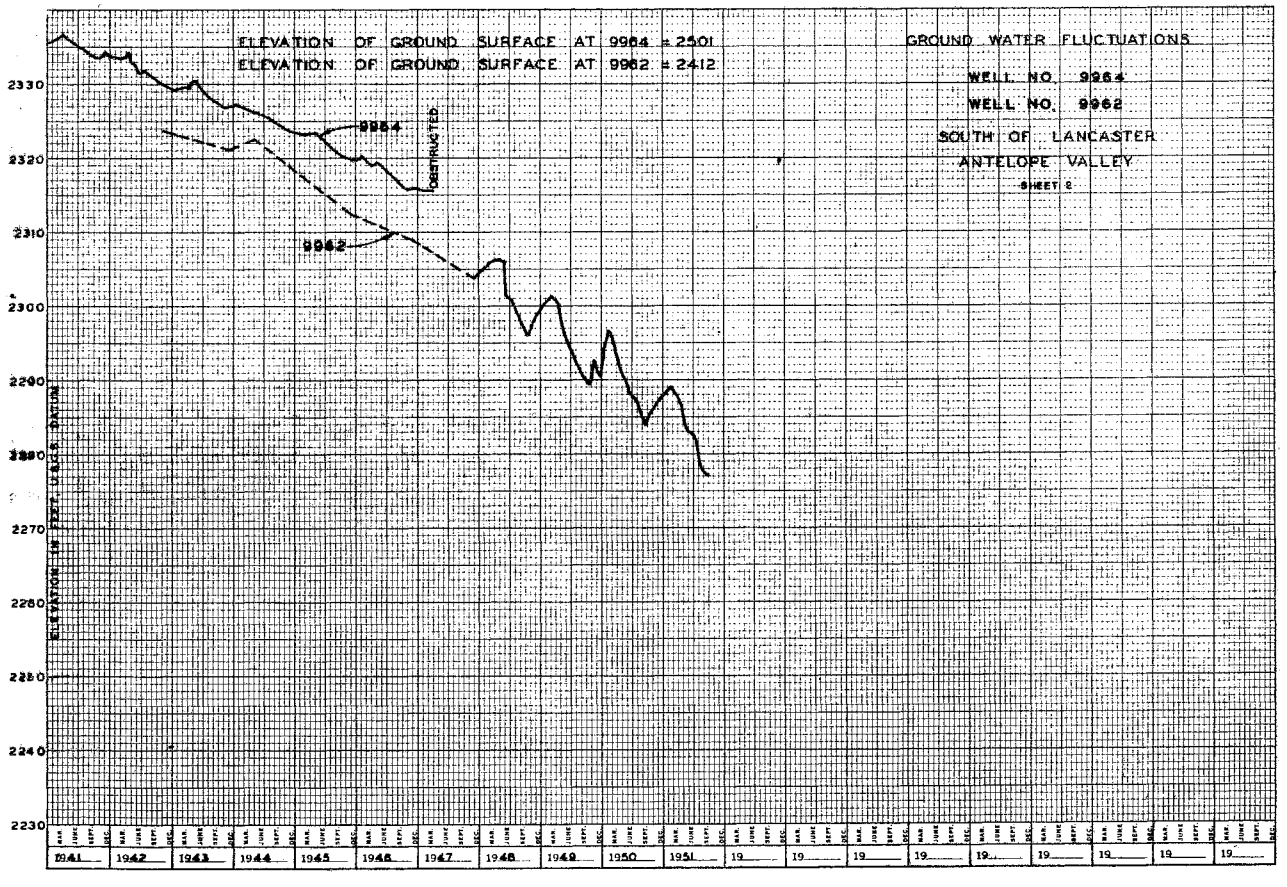

ELEVATION OF GROUND SURFACE AT WELL NO. 936=68.3
ELEVATION OF GROUND SURFACE AT WELL NO.936C=70.0
ELEVATION IN FEET, U.S.G.S. DATUM
936
936C
956
GROUND WATER FLUCTUATIONS
WELLS 936 & 936C
CITY OF LONG BEACH
COASTAL PLAIN
FORMER ARTESIAN AREA

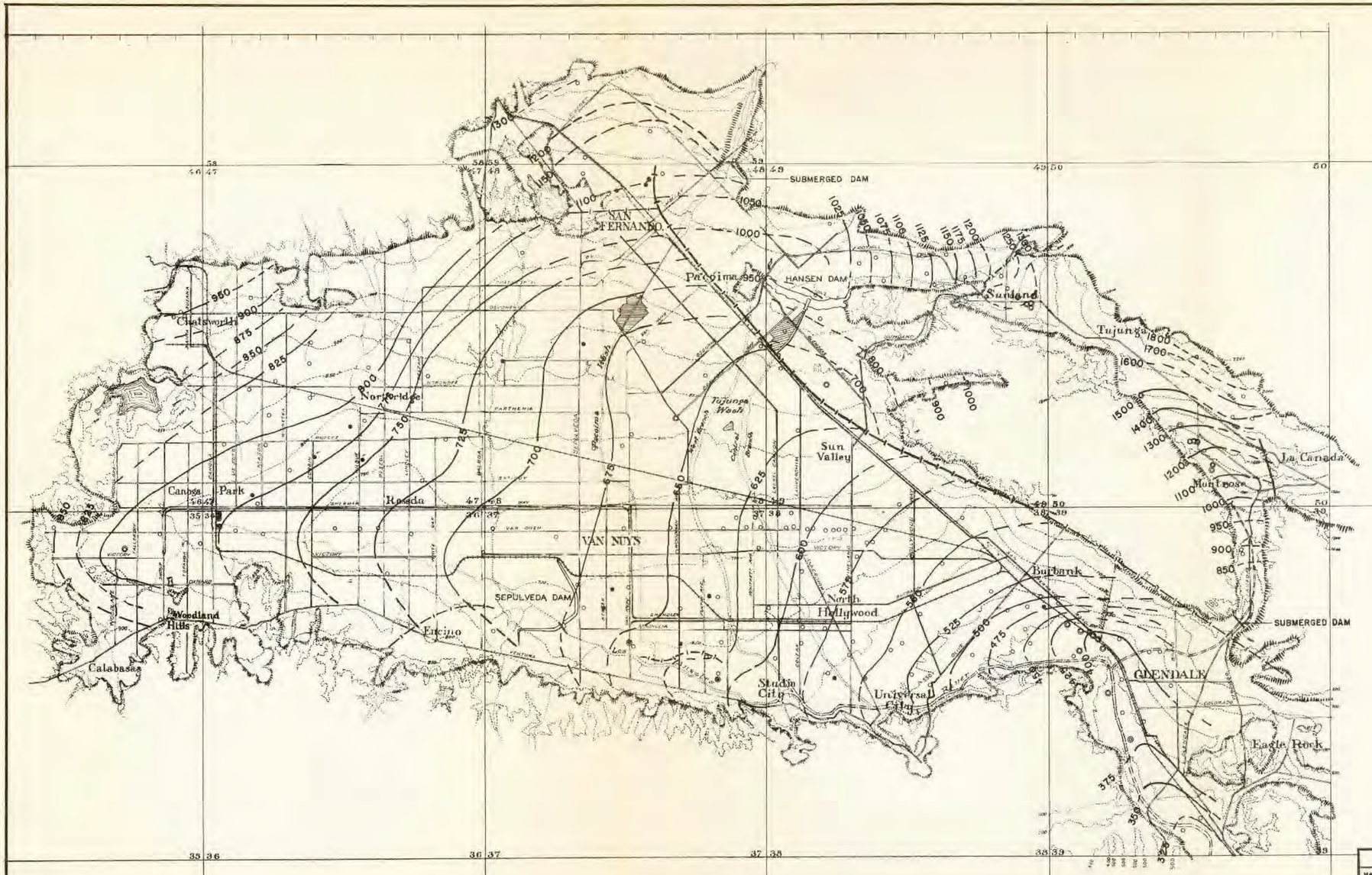

ELEVATION OF GROUND SURFACE AT WELL = 1740.3
GROUND WATER FLUCTUATIONS
WELL NO. 4506A
UPPER CLAREMONT HEIGHTS
ELEVATION IN FEET U.S.G.S. DATUM


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.G.S. DATUM
GROUND WATER FLUCTUATIONS
WELL NO. 3241-F
WELL NO. 3261-C
POMONA BASIN


ELEVATION OF GROUND SURFACE AT WELL = 1043.0
ELEVATION IN FEET, U.S.G.S. DATUM
GROUND WATER FLUCTUATIONS
WELL NO. 7006-A
NEAR CASTAIC JUNCTION
SANTA CLARA VALLEY
ELEVATION OF GROUND SURFACE AT WELL = 1043.0
ELEVATION IN FEET, U.S.G.S. DATUM


ELEVATION OF GROUND SURFACE AT 9964 = 2501
GROUND WATER FLUCTUATIONS
WELL NO. 9964
SOUTH OF LANCASTER
ANTELOPE VALLEY
SHEET 1
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
GROUND WATER FLUCTUATIONS
WELL NO. 9964
WELL NO. 9962
SOUTH OF LANCASTER
ANTELOPE VALLEY
SHEET 2
9964
OBSTRUCTED
9962
ELEVATION IN FEET U.S.C.S. DATUM
2330
2320
2310
2300
2290
2280
2270
2260
2250
2240
2230
1941
1942
1943
1944
1945
1946
1947
1948
1949
1950
1951



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.
- ◆ Wells of deep water strata, not related to those of average wells.
- 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.

MAP V

REVISIONS		
MARK	DATE	DESCRIPTION

PREPARED BY
TRACED BY
CHECKED BY

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

SAN FERNANDO VALLEY
GROUND WATER CONTOURS
NOVEMBER 1949

APPROVED BY _____ CHIEF ENGINEER

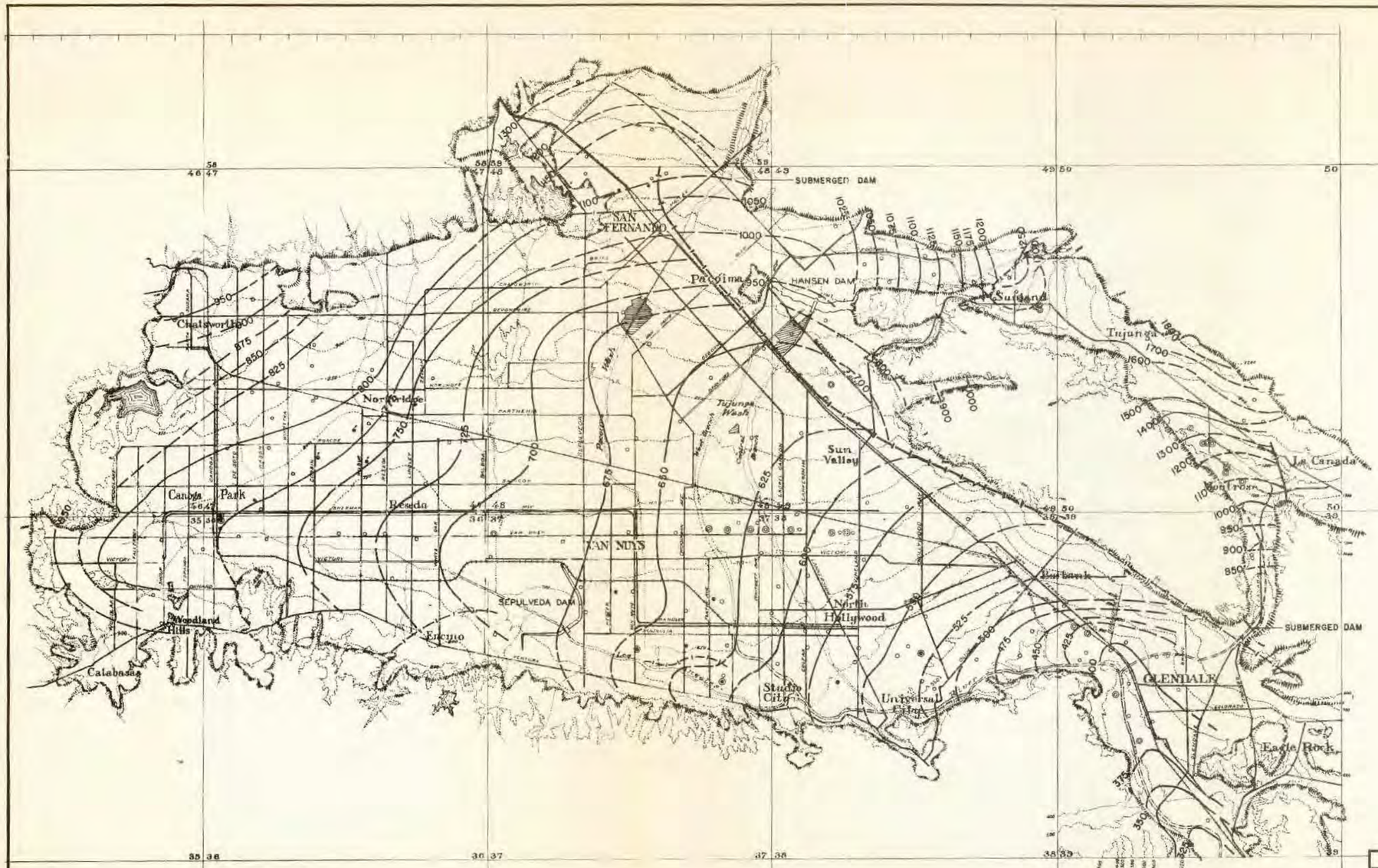
SUBMITTED BY _____ CHIEF, HYDRAULIC DIVISION

RECOMMENDED BY _____ ASSISTANT CHIEF ENGINEER

DATE OCT. 1951

NO. 19-H43

SHEET OF



LEGEND

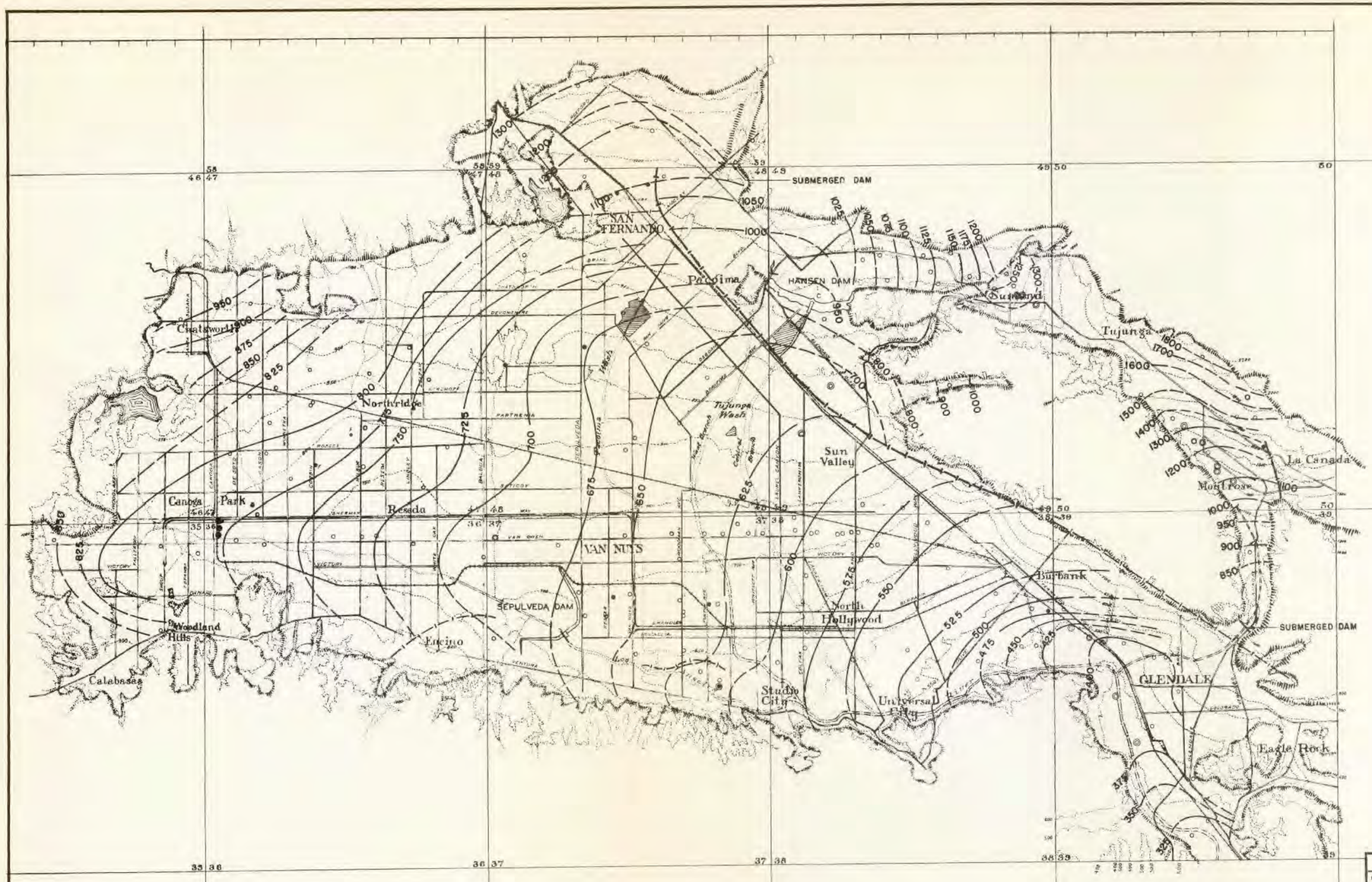
- ○ Wells within an area representative of average ground water elevations of that area, having comparable depth of hole and elevation of perforation.
- Wells as above, except under heavy draught, or affected by heavy draught on nearby wells.
- • Wells which differ from average wells for various reasons, 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.
- ◆ Wells of deep water strata, not related to those of average wells.
- 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.

MAP VI

REVISIONS			LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
MARK	DATE	DESCRIPTION	SAN FERNANDO VALLEY GROUND WATER CONTOURS APRIL 1950
			APPROVED BY ____ CHIEF ENGINEER
SUBMITTED BY ____ CHIEF DEPUTY ENGINEER	RECOMMENDED BY ____ ASSISTANT CHIEF ENGINEER		DATE OCT. '51 NO. 19-H44 SHEET OF



LEGEND

- Wells within an area representative of average ground water elevations of that area, having comparable depth of hole and elevation of perforation.
- 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 fluctuations of water in well.
- ● Wells of shallow depth, with perched water indications.
- ◉ Wells of deep water strata, not related to those of average wells.
- ~~~ 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.

MAP VII

REVISIONS		
MARK	DATE	DESCRIPTION

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

SAN FERNANDO VALLEY
GROUND WATER CONTOURS
NOVEMBER 1950

APPROVED BY _____ CHIEF ENGINEER

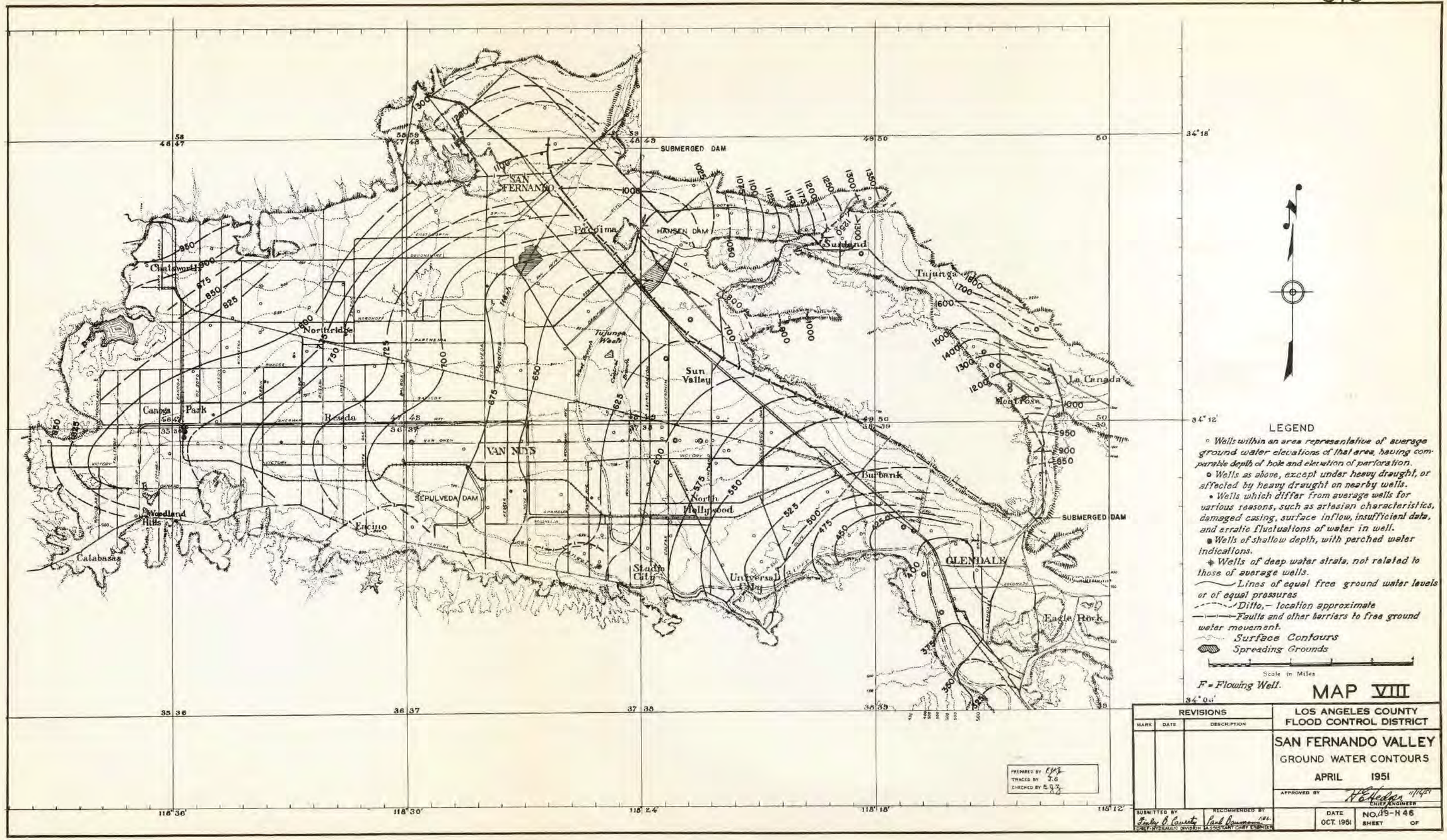
SUBMITTED BY _____ CHIEF HYDRAULIC DIVISION

RECOMMENDED BY _____ ASSISTANT CHIEF ENGINEER

DATE OCT. 1951

NO. 19-H45

SHEET OF


SUBMERGED DAM
SAN FERNANDO
Pacoima
HANSEN DAM
Sunland
Tujunga
Chatsworth
Northridge
Tujunga Wash
Sun Valley
La Canada
Montrose
Canoga Park
Reseda
VAN NUYS
SEPULVEDA DAM
Burbank
North Hollywood
Woodland Hills
Encino
Calabasas
Studio City
Universal City
GLENDALE
Eagle Rock
34°18'
34°12'
34°06'
118°36'
118°30'
118°24'
118°18'
118°12'
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.
Wells of deep water strata, not related to those of average wells.
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.
MAP VIII
REVISIONS
MARK
DATE
DESCRIPTION
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
SAN FERNANDO VALLEY
GROUND WATER CONTOURS
APRIL 1951
APPROVED BY
CHIEF ENGINEER
SUBMITTED BY
RECOMMENDED BY
CHIEF-HYDRAULIC DIVISION
ASSISTANT CHIEF ENGINEER
DATE
OCT. 1951
NO. 19-H 46
SHEET OF
PREPARED BY
TRACED BY
CHECKED BY

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.

All Changes and Alterations made after Original Drawing has been issued must be indicated by Numbers inscribed within a circle in the "Revisions" Column and also on the Drawing where change has been made.

MAP IX

REVISIONS			LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
MARK	DATE	DESCRIPTION	SAN GABRIEL VALLEY GROUND WATER CONTOURS NOVEMBER 1949

PREPARED BY: R.R.M.
TRACED BY: A.R.L.
CHECKED BY: E.S.K. C.W.G.

APPROVED BY: H. Eckhardt, Chief Engineer

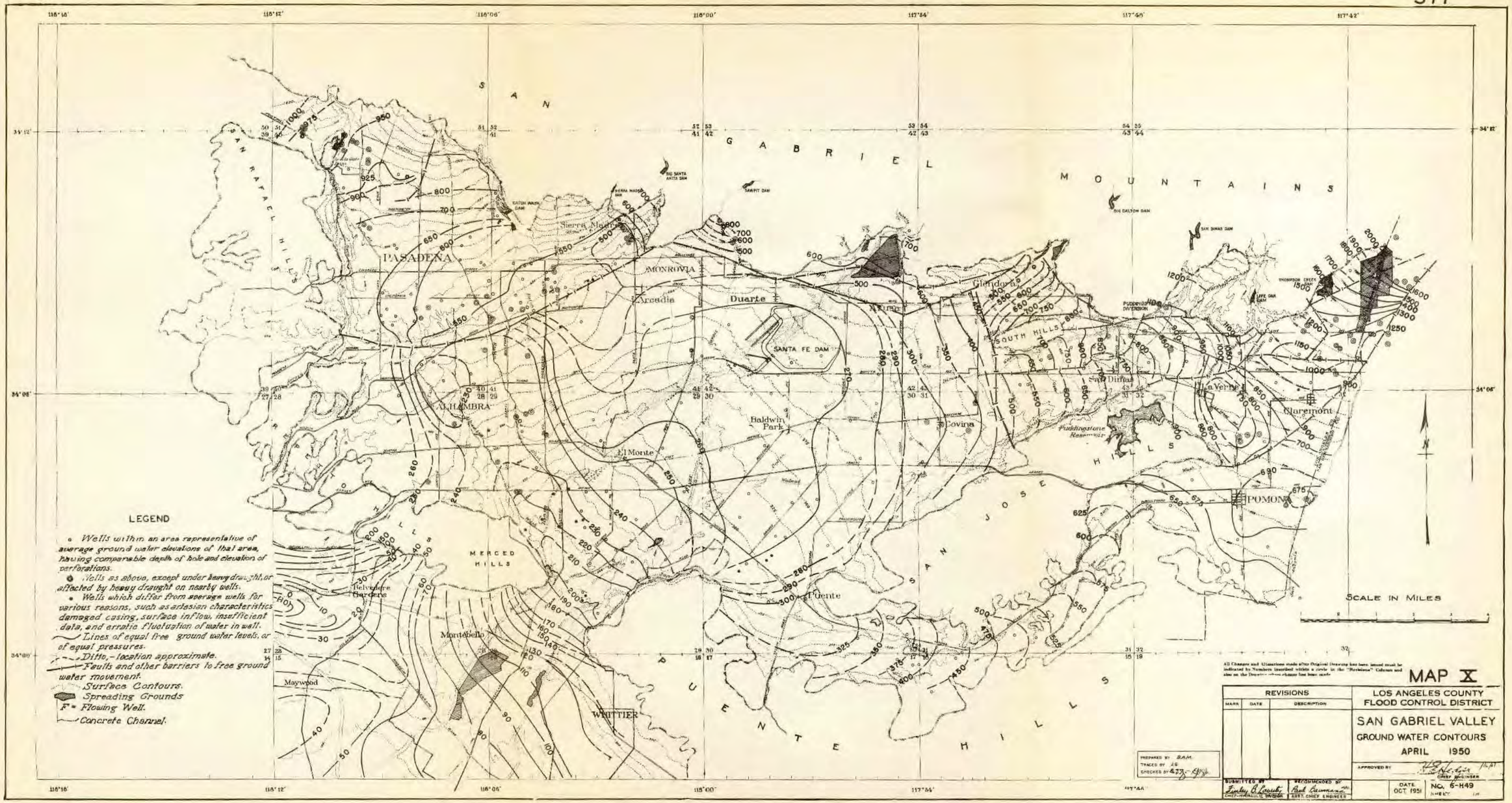
SUBMITTED BY: Stanley B. Leverett, Chief Hydraulic Division

RECOMMENDED BY: Paul Zimmerman, Asst. Chief Engineer

DATE: OCT. 1951

NO. 6-H48

SHEET OF



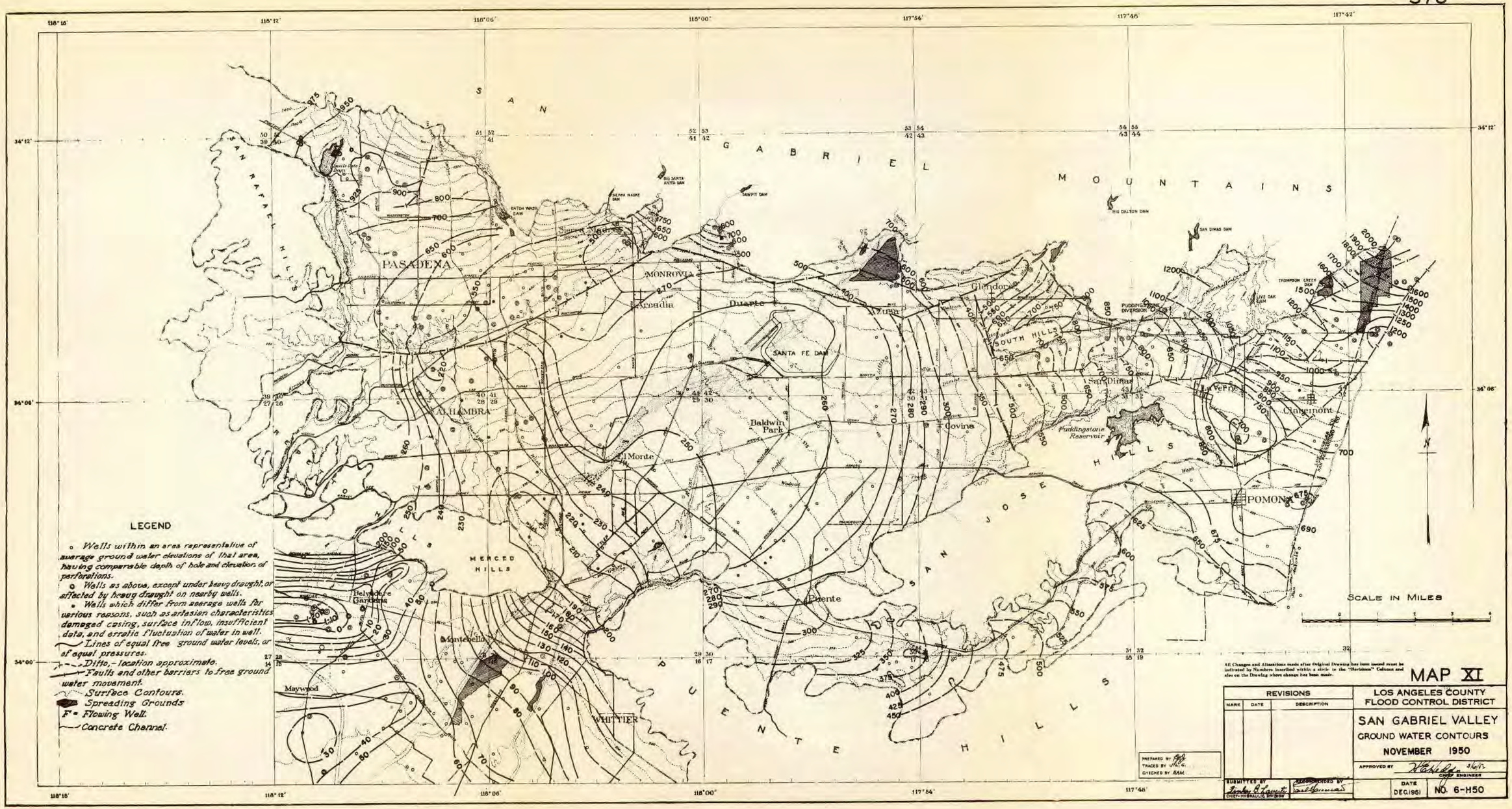
All Changes and Alterations made after Original Drawing has been issued must be indicated by Numbers inscribed within a circle in the "Revisions" Column and also on the Drawing where change has been made.

MAP X

REVISIONS			LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
MARK	DATE	DESCRIPTION	SAN GABRIEL VALLEY GROUND WATER CONTOURS APRIL 1950

PREPARED BY S.A.M.
TRACED BY J.S.
CHECKED BY

SUBMITTED BY Finley B. Laverty, CHIEF ENGINEER & MANAGER
RECOMMENDED BY Paul Lawrence, ASST. CHIEF ENGINEER
APPROVED BY H. E. Hartley, CHIEF ENGINEER
DATE OCT. 1951
NO. 6-H49
SHEET 1 OF 1



MAP XI

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

SAN GABRIEL VALLEY
GROUND WATER CONTOURS
NOVEMBER 1950

REVISIONS		
MARK	DATE	DESCRIPTION

All Changes and Alterations made after Original Drawing has been issued must be indicated by Numbers inscribed within a circle in the "Revisions" Columns and also on the Drawing where change has been made.

PREPARED BY
TRACED BY
CHECKED BY

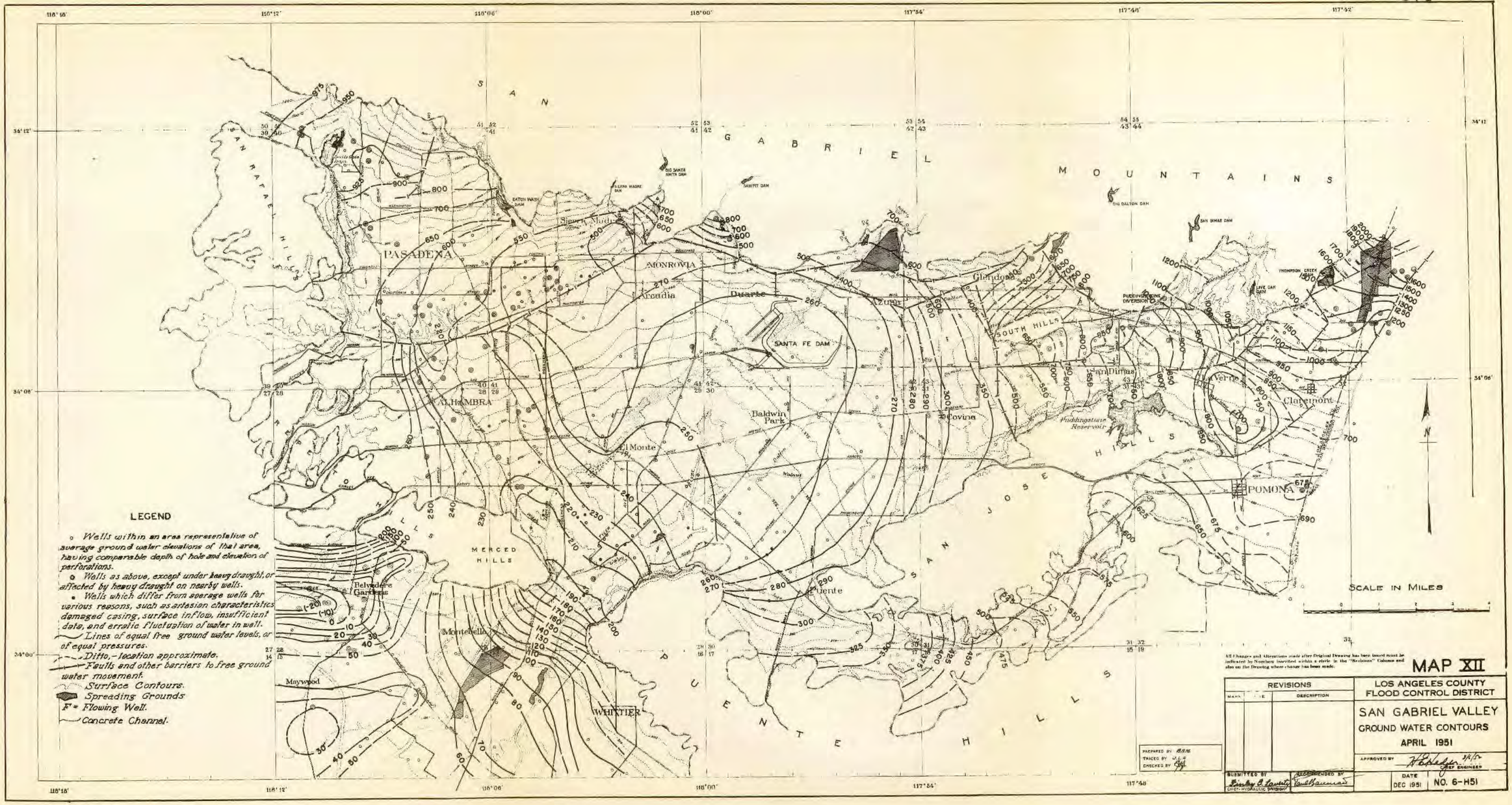
SUBMITTED BY
CHIEF HYDRAULIC ENGINEER

RECOMMENDED BY

APPROVED BY
CHIEF ENGINEER

DATE DEC. 1951

NO. 6-H50


SAN GABRIEL MOUNTAINS
SAN RAFAEL HILLS
PASADENA
MONROVIA
Arcadia
Duarte
Azusa
Glendora
SOUTH HILLS
San Dimas
La Verne
Claremont
POMONA
SANTA FE DAM
ALHAMBRA
Baldwin Park
El Monte
Covina
Puddingstone Reservoir
SAN JOSE HILLS
MERCED HILLS
Belvedere Gardens
Montebello
Maywood
WHITTIER
Puente
PUENTE HILLS
SCALE IN MILES
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.
All Changes and Alterations made after Original Drawing has been issued must be indicated by Numbers inscribed within a circle in the "Revisions" Column and also on the Drawing where change has been made.
MAP XII
REVISIONS
MARK
DESCRIPTION
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
SAN GABRIEL VALLEY
GROUND WATER CONTOURS
APRIL 1951
APPROVED BY
CHIEF ENGINEER
SUBMITTED BY
CHIEF-HYDRAULIC DIVISION
RECOMMENDED BY
DATE
DEC 1951
NO. 6-H51

SANTA MONICA MOUNTAINS
LOS ANGELES
BALDWIN HILLS
PUENTE HILLS
DOMINGUEZ HILLS
SAN PEDRO HILLS
ORANGE COUNTY
SAN PEDRO BAY
SANTA MONICA
Venice
Beverly Hills
Culver City
INGLEWOOD
El Segundo
Hawthorne
Manhattan Beach
Hermosa Beach
Redondo Beach
Torrance
Gardena
Athens
WATTS
South Gate
HUNTINGTON PARK
Maywood
Vernon
Belvedere Gardens
Montebello
El Monte
WHITTIER
Downey
Santa Fe Springs
Norwalk
Lynwood
COMPTON
Clearwater
Hynes
Bellflower
Artesia
North Long Beach
Harbor City
Wilmington
LONG BEACH
SAN PEDRO
SCALE IN MILLS
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 fluctuations of water in well.
Wells of shallow depth with perched water indications.
Wells of deep water strata, not related to those of average wells.
Lines of equal free ground water levels, or of equal pressures.
Ditto, - location approximate.
Faults and other barriers to free ground water movement.
Approximate line marking transition from free ground water levels to ground water pressure levels. (Limits north of barriers D.W.R. Bull. #45, 1933; south of barriers U.S.G.S., 1947)
Los Angeles County Flood Control District Spreading Grounds
Surface Contours
F Flowing Well
Note - Number adjacent to some wells indicates elevation of water surface. All elevations in feet, U.S.G.S. datum.
MAP XIII
REVISIONS
MARK
DATE
DESCRIPTION
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
COASTAL PLAIN
GROUND WATER CONTOURS
NOVEMBER 1949
APPROVED BY
CHIEF ENGINEER
SUBMITTED BY
RECOMMENDED BY
DATE
OCT. 1951
NO. 2-H93
SHEET
OF

SANTA MONICA MOUNTAINS
LOS ANGELES
BALDWIN HILLS
PUENTE HILLS
DOMINGUEZ HILLS
SAN PEDRO HILLS
SAN PEDRO BAY
ORANGE COUNTY
Beverly Hills
Sawtelle
Palms
Culver City
SANTA MONICA
Venice
INGLEWOOD
El Segundo
Hawthorne
Manhattan Beach
Hermosa Beach
Redondo Beach
Torrance
Harbor City
Wilmington
SAN PEDRO
Athens
Gardena
WATTS
Lynwood
COMPTON
South Gate
HUNTINGTON PARK
Maywood
Belvedere Gardens
Montebello
Downey
Santa Fe Springs
Norwalk
Clearwater
Hynes
Bellflower
Artesia
North Long Beach
LONG BEACH
WHITTIER
El Monte
ALHAMBRA
Free Levels
Pressure Levels
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 fluctuations of water in well.
Wells of shallow depth with perched water indications.
Wells of deep water strata, not related to those of average wells.
Lines of equal free ground water levels, or of equal pressures.
Ditto, - location approximate.
Faults and other barriers to free ground water movement.
Approximate line marking transition from free ground water levels to ground water pressure levels. (Limits north of barriers D.W.R. Bull. #45, 1933; south of barriers U.S.G.S., 1947)
Los Angeles County Flood Control District Spreading Grounds.
Surface Contours
F Flowing Well
Note - Number adjacent to some wells indicates elevation of water surface. All elevations in feet, U.S.G.S. datum.
SCALE IN MILES
0 1 2 3 4 5
All Changes and Alterations made after Original Drawing has been issued must be indicated by Numbers inscribed within a circle in the "Revisions" Column and also on the Drawing where change has been made.
MAP XIV
REVISIONS
MARK DATE DESCRIPTION
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
COASTAL PLAIN
GROUND WATER CONTOURS
APRIL 1950
APPROVED BY
CHIEF ENGINEER
SUBMITTED BY
CHIEF-HYDRAULIC DIVISION
RECOMMENDED BY
ASSISTANT CHIEF ENGINEER
DATE OCT. 1951
NO. 2-H94
SHEET OF
PREPARED BY
TRACED BY J.G.
CHECKED BY

SANTA MONICA MOUNTAINS
LOS ANGELES
BALDWIN HILLS
PUENTE HILLS
DOMINGUEZ HILLS
SAN PEDRO HILLS
SAN PEDRO BAY
ORANGE COUNTY
Beverly Hills
Sawtelle
Palms
Culver City
SANTA MONICA
Venice
INGLEWOOD
El Segundo
Hawthorne
Manhattan Beach
Hermosa Beach
Redondo Beach
Torrance
Gardena
Athens
WATTS
Lynwood
COMPTON
Vernon
HUNTINGTON PARK
Maywood
South Gate
Belvedere Gardens
Montebello
El Monte
WHITTIER
Downey
Santa Fe Springs
Norwalk
Clearwater
Hynes
Bellflower
Artesia
North Long Beach
LONG BEACH
Harbor City
Wilmington
SAN PEDRO
Free Levels
Pressure Levels
SCALE IN MILES
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 fluctuations of water in well.
Wells of shallow depth with perched water indications.
Wells of deep water strata, not related to those of average wells.
Lines of equal free ground water levels, or of equal pressures.
Ditto, - location approximate.
Faults and other barriers to free ground water movement.
Approximate line marking transition from free ground water levels to ground water pressure levels. (Limits north of barriers D.W.R. Bull. #45, 1933; south of barriers U.S.G.S., 1947)
Los Angeles County Flood Control District Spreading Grounds.
Surface Contours
F Flowing Well
Note - Number adjacent to some wells indicates elevation of water surface. All elevations in feet, U.S.G.S. datum.
All Changes and Alterations made after Original Drawing has been issued must be indicated by Numbers inscribed within a circle in the "Revisions" Column and also on the Drawing where change has been made.
MAP XV
REVISIONS
MARK
DATE
DESCRIPTION
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
COASTAL PLAIN
GROUND WATER CONTOURS
NOVEMBER 1950
APPROVED BY
CHIEF ENGINEER
SUBMITTED BY
RECOMMENDED BY
DATE
OCT. 1951
NO. 2-H95
SHEET
OF.
PREPARED BY
TRACED BY
CHECKED BY

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 fluctuations of water in well.
- ● Wells of shallow depth with perched water indications.
- ✦ Wells of deep water strata, not related to those of average wells.
- ——— Lines of equal free ground water levels, or of equal pressures.
- - - - Ditto, - location approximate.
- —|—|— Faults and other barriers to free ground water movement.
- - - - - Approximate line marking transition from free ground water levels to ground water pressure levels. (Limits north of barriers D.W.R. Bull. #45, 1933; south of barriers U.S.G.S., 1947)
- Los Angeles County Flood Control District Spreading Grounds.
- Surface Contours
- F Flowing Well

Note – Number adjacent to some wells indicates elevation of water surface. All elevations in Feet, U.S.G.S. datum.

All Changes and Alterations made after Original Drawing has been issued must be indicated by Numbers inscribed within a circle in the "Revisions" Column and also on the Drawing where change has been made.

MAP XVI

REVISIONS			LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
MARK	DATE	DESCRIPTION	COASTAL PLAIN GROUND WATER CONTOURS APRIL 1951
			APPROVED BY _____ CHIEF ENGINEER
SUBMITTED BY _____ CHIEF HYDRAULIC DIVISION	RECOMMENDED BY _____ ASSISTANT CHIEF ENGINEER		DATE OCT. 1951 NO. 2-H96 SHEET OF.

PREPARED BY _____
TRACED BY H.J.N
CHECKED BY _____

SANTA MONICA MOUNTAINS

LOS ANGELES

BALDWIN HILLS

PUENTE HILLS

DOMINGUEZ HILLS

SAN PEDRO HILLS

SIGNAL HILL

LONG BEACH

SAN PEDRO BAY

ORANGE COUNTY

Beverly Hills
Sawtelle
Palms
Culver City
SANTA MONICA
Venice
Del Rey
INGLEWOOD
El Segundo
Hawthorne
Manhattan Beach
Hermosa Beach
Redondo Beach
Torrance
Harbor City
San Pedro
Wilmington
Gardena
COMPTON
WATTS
Athens
Lynwood
South Gate
Vernon
Maywood
HUNTINGTON PARK
Belvedere Gardens
Montebello
ALHAMBRA
El Monte
WHITTIER
Santa Fe Springs
Downey
Norwalk
Clearwater
Hynes
Bellflower
Artesia
North Long Beach

Free Levels
Pressure Levels

(-20) (-50) (-40) (-30) (-10) 0 (-30) (-20) 150 110 100 90 80 70 60 50 40 30 20 10 0 (-10) (-20) (-10) (-20) (-40) (-30) (-50) (-60) (-70) (-30)

34°08' 34°00' 33°54' 33°46'
118°36' 118°24' 118°18' 118°12' 118°06' 118°00'

LEGEND

- ○ Wells representative of average groundwater elevation in areas tapping San Pedro zones and/or deeper correlative undifferentiated Pleistocene zones
- —— Lines of equal pressure levels
- ---- Lines of equal pressure levels – location approximate
- Los Angeles County Flood Control District Spreading Grounds
- Surface Contours

All elevations in feet, U.S.G.S. datum.

SCALE IN MILES
0 1 2 3 4 5

PREPARED BY E.J.E.
TRACED BY V.L.G.
CHECKED BY

All Changes and Alterations made after Original Drawing has been issued must be indicated by Numbers inscribed within a circle in the "Revisions" Column and also on the Drawing where change has been made.

MAP XVII

REVISIONS		
MARK	DATE	DESCRIPTION

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

CENTRAL COASTAL PLAIN
DEEP ZONE
GROUND WATER CONTOURS
SUMMER-FALL 1951

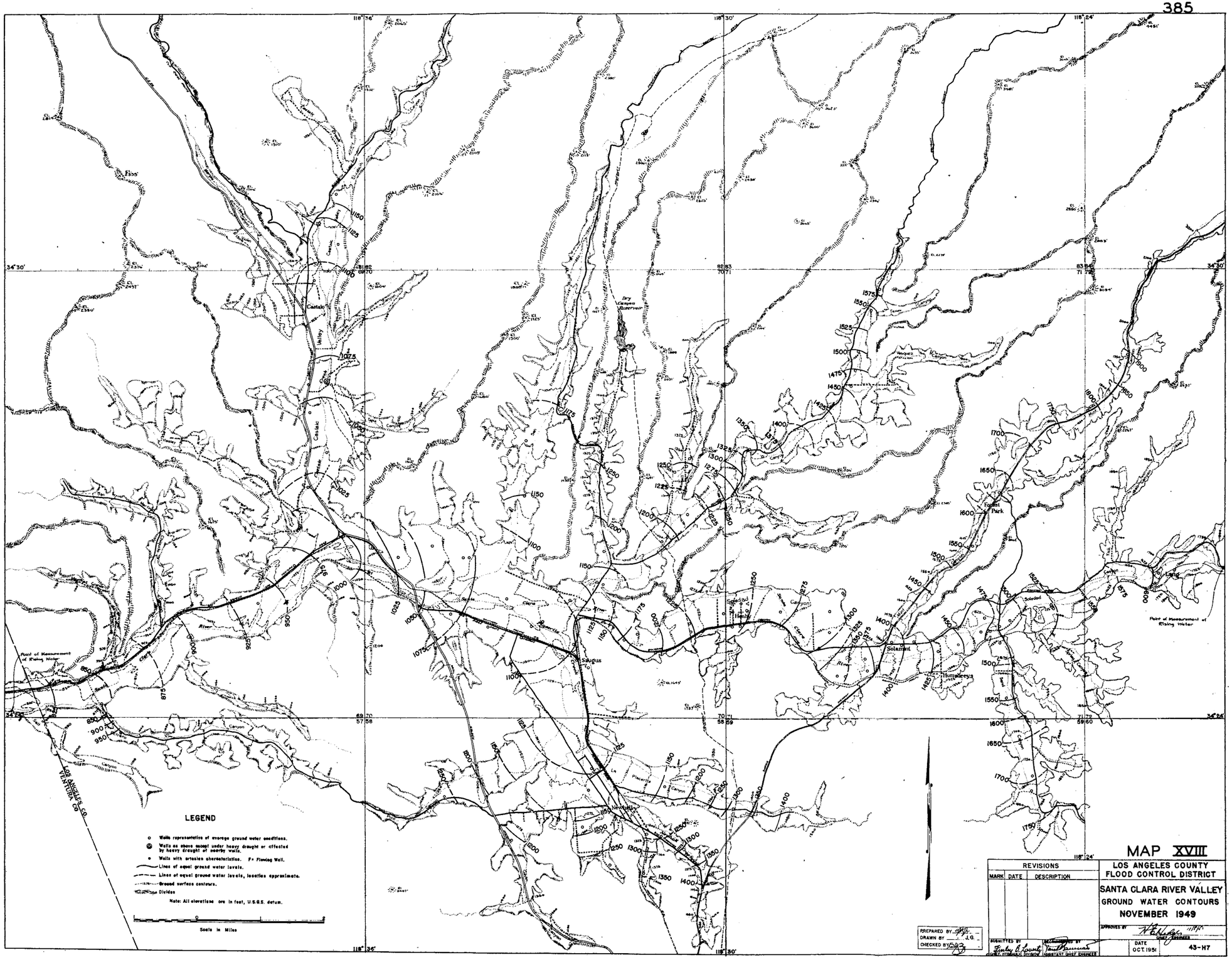
APPROVED BY _____ 3/6/52
CHIEF ENGINEER

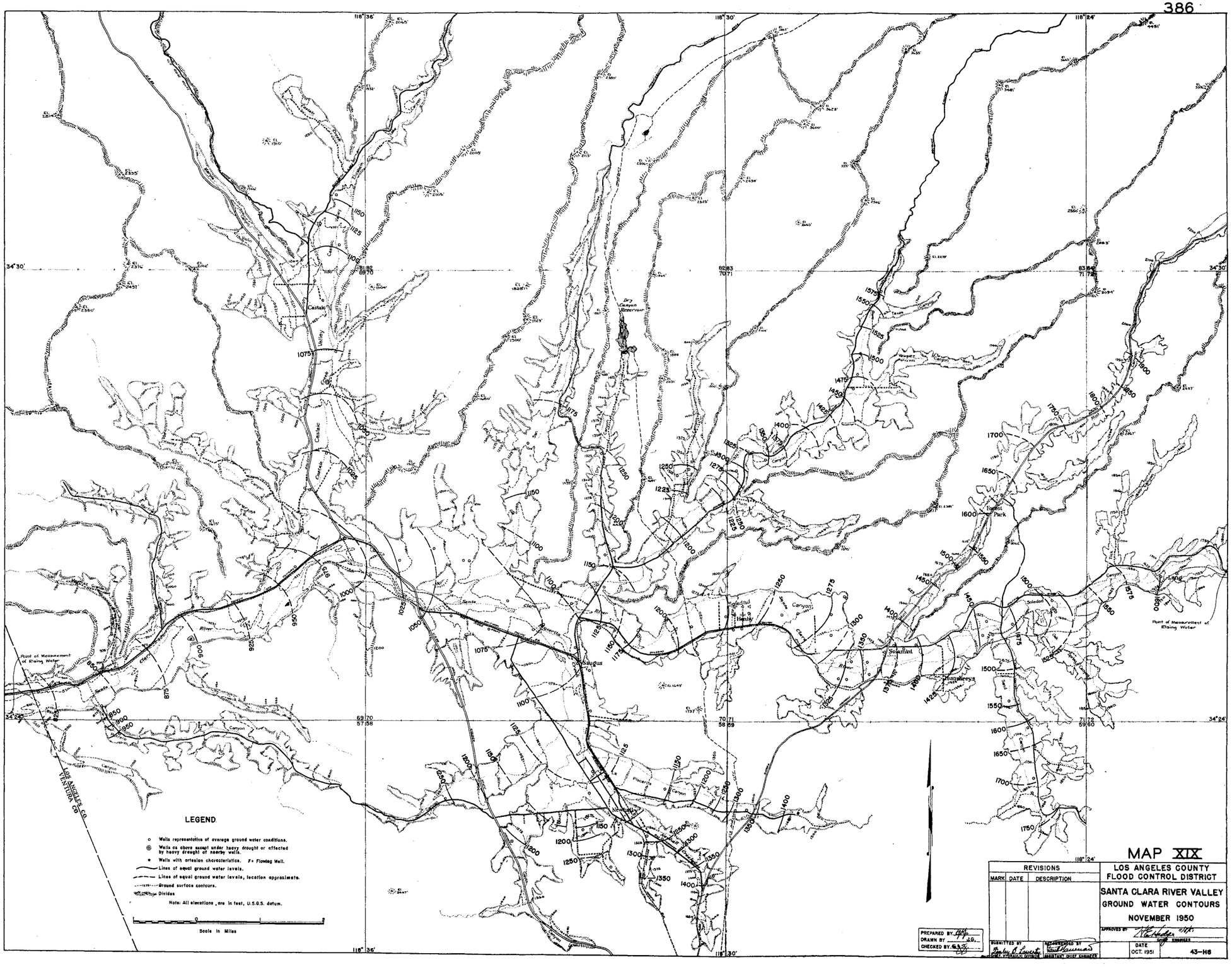
SUBMITTED BY Finley A. Lowe
CHIEF HYDRAULIC DIVISION

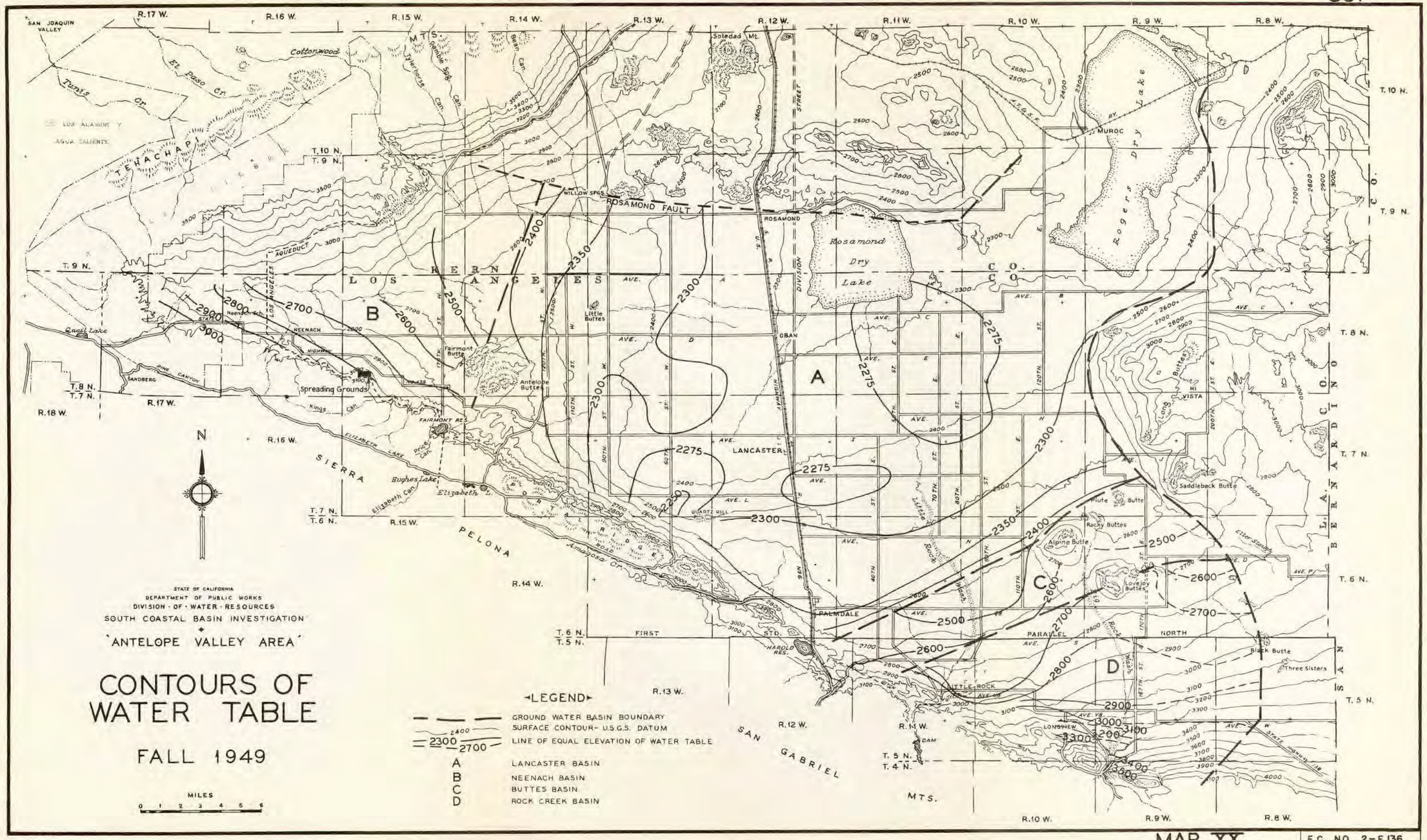
RECOMMENDED BY Paul Hansen
ASSISTANT CHIEF ENGINEER

DATE FEB. 1952

NO. 2-H 99
SHEET 1 OF 1

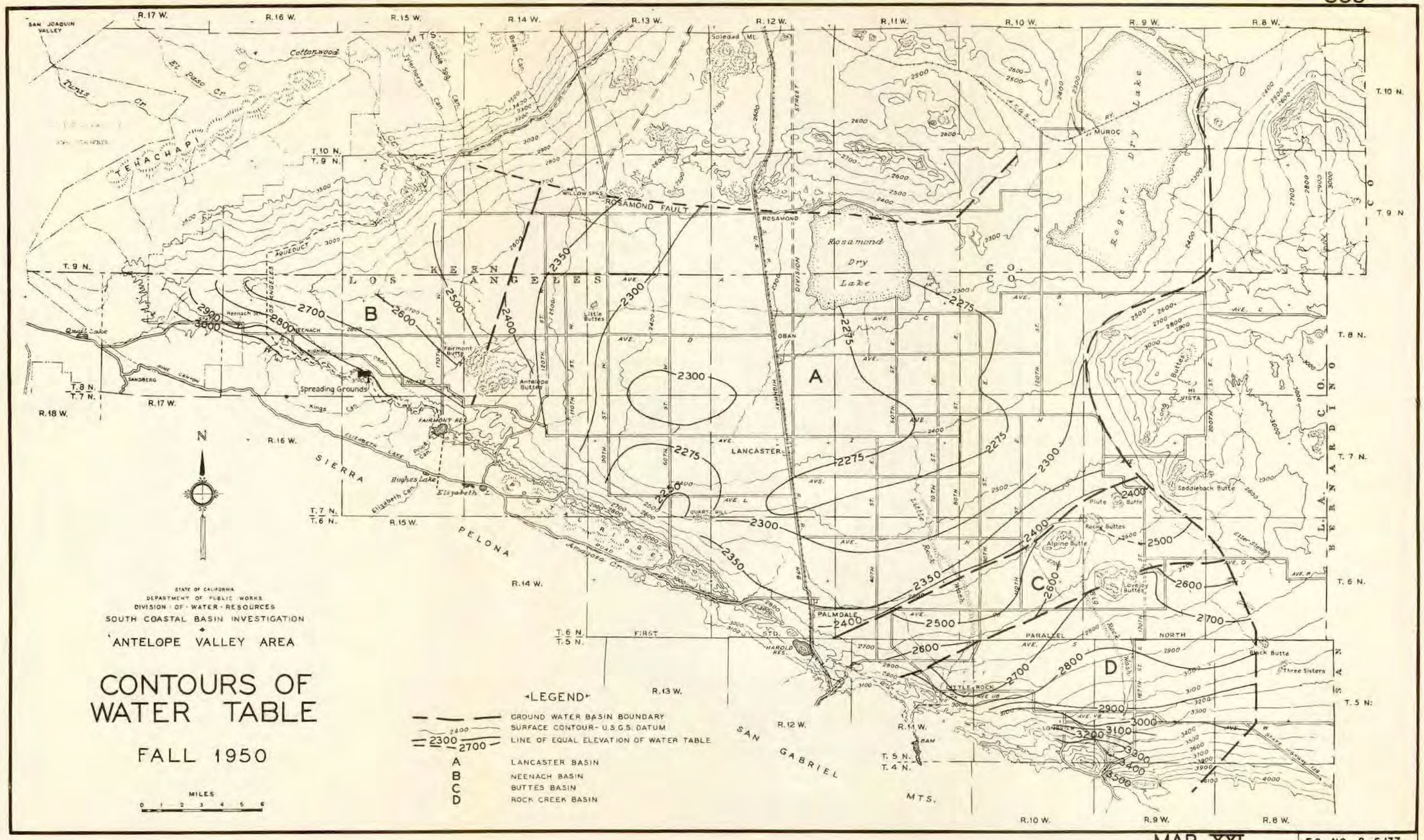

118° 36'
118° 30'
118° 24'
34° 30'
Saugus
Newhall
Solamint
Humphreys
Forest Park
Point of Measurement of Flowing Water
LOS ANGELES CO.
VENTURA CO.
LEGEND
Wells representative of average ground water conditions.
Wells as above except under heavy draught or affected by heavy draught of nearby wells.
Wells 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
MAP XVIII
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
SANTA CLARA RIVER VALLEY
GROUND WATER CONTOURS
NOVEMBER 1949
REVISIONS
MARK DATE DESCRIPTION
PREPARED BY
DRAWN BY J.G.
CHECKED BY
SUBMITTED BY
RECOMMENDED BY
CHIEF, HYDRAULIC DIVISION
ASSISTANT CHIEF ENGINEER
APPROVED BY
CHIEF ENGINEER
DATE OCT. 1951
43-H7


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
Castaic
Dry Canyon Reservoir
Saugus
Solamint
Forest Park
Point of Measurement of Rising Water
LOS ANGELES CO
VENTURA CO
118° 36'
118° 30'
118° 24'
34° 30'
34° 24'
MAP XIX
REVISIONS
MARK
DATE
DESCRIPTION
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
SANTA CLARA RIVER VALLEY
GROUND WATER CONTOURS
NOVEMBER 1950
PREPARED BY
DRAWN BY J.G.
CHECKED BY
SUBMITTED BY
RECOMMENDED BY
ASSISTANT CHIEF ENGINEER
APPROVED BY
CHIEF ENGINEER
DATE
OCT. 1951
43-H8



MAP XX

F.C. NO. 2-F 136



MAP XXI

F.C. NO. 2-F 137