

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

**BIENNIAL REPORT**  
ON  
**HYDROLOGIC DATA**

SEASONS OF 1953-54 AND 1954-55

JULY 1, 1956

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

HYDRAULIC DIVISION

REPORT TO H. E. HEDGER, CHIEF ENGINEER

BIENNIAL REPORT

ON

HYDROLOGIC DATA

SEASONS 1953-54 AND 1954-55

PAUL BAUMANN, ASSISTANT CHIEF ENGINEER

FINLEY B. LAVERTY, CHIEF - HYDRAULIC DIVISION

JULY 1, 1956

# LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

MAILING ADDRESS:

BOX 2418

TERMINAL ANNEX

LOS ANGELES 54, CALIFORNIA

2250 ALCAZAR STREET,

LOS ANGELES

H. E. HEDGER  
CHIEF ENGINEER

July 1, 1956

FILE NO. 2-20

SUBJECT Biennial Report on  
Hydrologic Data  
Seasons 1953-54  
and 1954-55

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 1953-54 and 1954-55. This report is the twentieth of a series of annual or biennial reports which have been published covering twenty-eight years of record.

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

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

Yours very truly,

  
H. E. Hedger, Chief Engineer

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

April 1, 1956

2-20  
Biennial Report on  
Hydrologic Data  
Seasons 1953-54  
and 1954-55

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 1953-54 and 1954-55. This report includes data collected and compiled by the Hydraulic Division of the District, which are presented as follows:

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

Precipitation records include the daily records of 491 stations in 1953-54 and 513 in 1954-55 of which 98% and 96%, respectively, furnished complete seasonal records. Three hundred sixty-eight stations have a continuous record for fifteen years or longer, including 36 stations which have a continuous record for over fifty years.

Presented in this report are rainfall intensity records for ten representative automatic rain gage stations which show maximum amounts for periods varying from five minutes to 24 hours for the 1953-54 and 1954-55 seasons.

Seasonal precipitation for the Los Angeles County was 87% of the 80-year average for the 1953-54 season and 78% for the 1954-55 season. The 1951-52 season was the lone producer of above-normal rainfall during the past eleven years.

Storm rainfall was not excessive during the 1953-54 season, except during the February 13 storm, and then only in the western portion of the County. Precipitation for the month of January accounted for one-third of the season's total. A thunderstorm on March 16 affected a portion of the District. Rainfall of 0.01 inch or more occurred at Los Angeles on 32 days during the 1953-54 season and on 34 days during the 1954-55 season.

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

	% of Normal	
	1953-54	1954-55
1. San Gabriel Mt. Area	82	69
2. Valley and Coastal Plain	84	78
3. Santa Monica Mountains	95	82
4. Desert Area	89	81

Snow surveys were made at 15 snow courses about April 1, for both seasons. The Ice House No. 3 course, at 8000 feet elevation in San Antonio Canyon drainage area, averaged a snow depth of 38 inches in 1954 and 96 inches in 1955. Density averaged about 40%.

Table IX, page 37, presents seasonal indices for 83 years of precipitation data for selected areas throughout the County.

Evaporation records were received each month from 24 stations in 1953-54 and 23 stations in 1954-55. Maximum evaporation for the 1953-54 season at Fairmont in Antelope Valley amounted to 100.86 inches and for the 1954-55 season at Palmdale in the Antelope Valley amounted to 99.16 inches. Minimum amounts of 39.79 inches and 41.98 inches for 1953-54 and 1954-55, respectively, occurred at La Fresa near Gardena.

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

During 1953-54 and 1954-55, the District operated 88 recording stream flow stations located on main streams and tributary channels. Twenty-seven of these stations are in the Los Angeles River drainage area, 28 are in the San Gabriel River drainage area, 18 are located in the Rio Hondo drainage area, and 15 are located in the remaining important drainage areas. Records obtained

from these stations are supplemented by the records of the 13 stations operated by the United States Geological Survey, Water Resources Branch, and three stations operated by the "Survey" in cooperation with the Los Angeles District, Corps of Engineers. These are also included in this publication. Cooperative assistance was given by the District in making measurements at these stations while the District, in turn, received cooperation at several District stations from the Corps of Engineers.

Generally, runoff from storm peaks during the 1953-54 and 1954-55 seasons was average or below average. The exception to this was the February 13, 1954 storm which produced a peak flow in Ballona Creek that exceeded the March 1938 flood peak (based on runoff in cfs/square mile).

The 1953-54 and 1954-55 seasons produced below average runoff throughout the District, with the exception of valley runoff from the subdivided and industrialized impervious areas. The San Gabriel River above the canyon mouth produced 61,910 acre-feet, or 55% of average, for the 1953-54 season and 40,070 acre-feet, or 35% of average, for the 1954-55 season.

Dam operation data included in this report show daily reservoir water surface elevation, storage, and amount of inflow and outflow for 14 dams operated by the District. These dams control 409 square miles of mountain drainage with a total controlled storage of 87,860 acre-feet at spillway lip elevation.

Two tabulations giving pertinent data for the seasons for seven debris dams and 37 debris basins, owned and operated by the District, are included in this report.

Reclamation and enlargement of storage capacity in District reservoirs and debris basins during these seasons, obtained by sluicing and excavation operations, amounted to 967,054 cubic yards in 1953-54 and 106,206 cubic yards in 1954-55.

The need for all possible conservation measures in connection with our groundwater resources has been accentuated by the current eleven-year drought period. Only in the single season of 1951-52 did precipitation exceed the 80-year normal. Groundwater levels in many of the basins experiencing overdraft are at their historic lows.

The formation of water conservation zones was continued in the areas where groundwater levels are critically low. In addition to the previously organized Zone I, of the Central Coastal

Basin, Zone II, incorporating the West Coast Basin, was formed January 29, 1954. By these expedients water is imported to moderate, insomuch as possible, permanent damage to the aquifers of the respective basins from sea water intrusion and loss of natural water storage capacity. Such importation also provides a valuable and economic replenishment to the groundwater basin.

Conservation by means of reservoir and channel absorption amounted to 98,294 acre-feet in this biennial period. Off-channel spreading grounds made it possible to save an additional 94, 653 acre-feet by percolation into various groundwater basins, thereby nearly doubling natural conservation. The above figures include nearly 55,000 acre-feet of water imported under Zone I, provisions of the Flood Control Act and conserved as follows: in spreading grounds 12,000 acre-feet, and in channels 43,000 acre-feet.

The West Basin Barrier project was continued under Zone II provisions of the Flood Control Act and from its inception to September 30, 1955 a total of 6923 acre-feet of imported water was injected through the wells at Manhattan Beach. Also under Zone II provisions, the Hyperion experimental sewage reclamation project was initiated. Results obtained so far are encouraging.

Groundwater contour maps compiled from well measurements and a brief discussion of the groundwater basins and major conservation activities are included in this report.

The trend of groundwater levels in all of the major basins is downward and indicates a general decrease of storage throughout the County. Groundwater basins in the Central Coastal Plain and the Antelope Valley are losing storage at a rate in excess of natural recovery. In parts of the San Fernando and San Gabriel Valleys levels are sharply lower, but apparently overall draft is not yet exceeding long time safe yield. Santa Clara River Valley is subjected to an increasing draft but extractions are well within safe yield.

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

Respectfully submitted,

*Finley B. Laverty*

Finley B. Laverty  
Division Engineer, Hydraulic

Recommended

*Paul Baumann*

Paul Baumann  
Assistant Chief Engineer

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PERCOLATION DATA DATE

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# PRECIPITATION RECORDS

## PRECIPITATION

### FOREWORD

This report, which contains precipitation data for the seasons 1953-54 and 1954-55, represents the twenty-sixth and twenty-seventh 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.

Time used is watch time. Daylight saving time in which the clock was advanced one hour for the periods April 25, 1954 to September 26, 1954 and April 24, 1955 to September 25, 1955, was observed. Pacific Standard Time was used for the balance of the periods.

### SEASON 1953-54

Seasonal precipitation in Los Angeles County was below normal in 1953-54 with an average of 13.82 inches which was 87 per cent of the 80-year normal for various representative stations.

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

The storm of February 13, 1954 produced a moderately high intensity rainfall in the West Los Angeles area. At Beverly Hills City Hall, 1.44 inches of rain was recorded in one hour and 2.43 inches in two hours. Intensity of rainfall has been read and tabulated for durations of from five minutes to 24 hours from 76 District-owned automatic gage records and several privately owned automatic gage records for this season. These are on file in the Hydraulic Division of the District.

Precipitation of 0.01 inch or more fell on 32 days in the mountains at Opid's (Camp Hi-Hill) and at downtown Los Angeles.

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

Snow surveys were made on about the first of April at fifteen District snow courses, as shown under Summary of Snowfall, page 8.

Temperatures at the Los Angeles Weather Bureau station ranged from 39°F. on December 26th to 101°F. on August 5th. The month of February, with an average of 64.1°F., was the warmest February of record; and the month of July, with an average of 76.7°F., was the second warmest July of record.



## SEASON 1954-55

Seasonal precipitation in the County was again below normal in 1954-55 with an average of 12.40 inches, which was 78 per cent of the 80-year normal for various representative stations.

Deficient rainfall has prevailed in the County for the past eleven years with the exception of the season, 1951-52. Precipitation for the month of January accounted for over one-third of the season's total. A thunder storm occurred on March 16, a report of which is in the District's files. Other storms of note occurred during the period April 30-May 1, and an electrical rain and wind storm on July 16th east of Lancaster.

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

Precipitation of 0.01 inch or more fell on 34 days at Opid's (Camp Hi-Hill) in the mountains and at downtown Los Angeles.

Snow surveys were continued on about the first of April at fifteen District snow courses, as shown under Summary of Snowfall, page 8.

Temperatures at the Los Angeles Weather Bureau Station ranged from 36°F. on December 28th to 110°F. on September 1st, which was the highest temperature of record. Average monthly temperatures for August was 75.3°F., the third warmest of record; and for September 74.5°F., the second warmest of record.

Strong winds were experienced during the last week of January.

## DISTRIBUTION OF RAIN GAGES

Location and distribution of gages are important factors in the value of precipitation data. Consideration is given to topography, structures, and vegetation in locating rain gages, due to the effect obstruction and wind have on the precipitation catch. Distributed throughout 3952 square miles of the County area, the District received records from 591 and 617 rain gages of various types during the 1954 and 1955 seasons, respectively. There is a better distribution of gages in the valley and foothill areas than in the mountains due to the availability of observers. The distribution of gages in the mountains is improving with the installation of 13 rain and snow storage-type gages to the end of the 1955 season. Station locations are shown on Maps I and II, pages 39 and 41, and table VII and VIII, pages 30 and 35.

Subsequent to 1927, when the District began distributing rain gages, 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
Season 1954-55	513

The following tabulation indicates that 79 per cent of the stations from which the District received records had been in operation 15 years or more:

	15 to 49 years		50 years and over	
	1953-54	1954-55	1953-54	1954-55
Continuous records - active	212	221	23 <sup>a/</sup>	23 <sup>a/</sup>
Broken Records -				
active and inactive	129	132	7	8
Adjacent to Los Angeles County	15	15	5	5
Totals	356	368	35	36

Where observers are available, automatic recording rain and snow gages are located by the District in areas which will furnish the most representative intensity data for rainfall analyses and computations. By the end of 1954-55 season, 42 of these District-owned gages were in the San Gabriel mountain and foothill area, 18 in other mountain and foothill areas, and 18 in valley areas, coastal plain and desert.

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

## USES OF PRECIPITATION DATA

1. In operation of District dams, debris dams, debris basins, spreading grounds and pumping plants.
2. In water conservation studies.
3. In calculation of flood flows for design purposes.
4. In determining rainfall frequency and intensity-duration curves.
5. In snow pack as related to water content and runoff studies.
6. Court cases.
7. In determining normal precipitation within the County.
8. In preparing seasonal and normal isohyetal maps.
9. By public and private agencies for flood control, irrigation, and water supply, or related investigations.

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

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

## SOURCE AND NUMBER OF RECORDS

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

RAIN GAGE OWNERSHIP AND TYPE	NUMBER OF GAGES				
	Seasons - 1953-54		1954-55	1953-54	1954-55
(a) Los Angeles County Flood Control District					
Standard 8" dia. collector ring	281		288		
Non-recording special 8.81" dia. collector ring	14		20		
Storage type 8" dia. collector ring	12		13		
Automatic Fergusson Type 9" Capacity	31		31		
Automatic Fergusson Type 12" Capacity	16		16		
Automatic Universal Type 12" Capacity	11		13		
Automatic Friez Type 30" Capacity	1		1		
Automatic Friez Type 12" Capacity	8		8		
Automatic Stevens Type Q12" Capacity	6		6		
Automatic Stevens Type Q24" Capacity	2		2		
Automatic Fuller Type 3" Capacity	1		1		
Totals			383		399
(b) Outside Agencies and Individuals					
Standard 8" dia. collector ring	144		153		
Various types, non-recording	9		9		
Automatic - various types and capacities	55		56		
Totals			208		218
Total number of rain gages			591		617
Less Stations with both standard and automatic gages			100		104
Total Stations from which the District receives records			491		513

## COMPLETE SEASONAL REPORTS

	Seasons - 1953-54      1954-55	
Flood Control District Stations	311 <sup>b/</sup>	310 <sup>b/</sup>
Privately owned stations	170	180
Totals	481	490

The preceding tabulation shows the number of stations which furnish complete records, or records which could be completed by estimates from adjacent stations for not more than 10 per cent of the total seasonal amount. Thus, out of 491 stations reporting in 1953-54, and 513 stations reporting in 1954-55, 98 per cent and 96 per cent, respectively, furnished complete records.

Table I, page 11, represents a complete list of automatic recording rain gages which were active during the 1953-54 and 1954-55 seasons, with length of active record included.

## AVERAGE RAINFALL INDICES FOR LOS ANGELES COUNTY

Table IX, page 37, represents indices for 83 years in Los Angeles County and selected areas within the County. Seasonal indices are the ratios of seasonal rainfall to seasonal 80-year normal expressed 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 the area.

It should be understood 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. Isohyets for the 80-year seasonal normal are shown on Map III, page 43, of the District 1951-52 and 1952-53 Biennial Report on Hydrologic Data. These maps are being prepared at five year intervals.

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

## 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.	Station Name	Elev. of Gage	80-Year Normal Inches	Years Record	1953-54 Inches	1953-54 % of 80-Yr. Normal	1954-55 Inches	1954-55 % of 80-Yr. Normal
21	Brant Rancho - Girard	891	14.46	43	11.94	83	12.97	90
32C	Newhall	1243	17.64	79	14.55	82	14.34	81
53D	Colby's Ranch	3675	31.04	58	22.80	73	18.65	60
57B-E	Opid's (Camp Hi-Hill)	4250	41.53	38	33.81	81	27.59	66
60A	Hoegge's (Camp Ivy)	2750	42.60	30	32.18	76	25.15	59
121B	Lancaster High School	2360	6.96	32	5.78	83	5.81	83
224B	Long Beach	150	12.86	61	12.58	98	10.59	82
338A	Mount Wilson	5650	37.09	51	29.93	81	25.95	70
577F	Los Angeles	548	15.41	83	11.99	78	11.99	78
587	San Antonio Canyon							
	P.H.#1	2500	28.04	51	25.84	92	17.08	61
610B	Pasadena	864	20.45	83	16.47	81	16.05	78

## 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.	Station Name	Minimum 1953-54	Seasonal 1954-55	Maximum 1953-54	Seasonal 1954-55	Maximum 1953-54	Day 1954-55	Date
490	Lancaster-Wiley Ranch	4.21						
X15	Hi Vista-Card		2.95					
1030	Mt. Islip-Little Jimmy Springs			41.82	38.61			
85F	Camp Baldy					5.73		1-19
1062	Buckhorn Flats						4.03	11/11

Table II, page 13, shows a comparison of maximum precipitation intensity for ten representative stations in the District during the 1953-54 and 1954-55 seasons and the maximum intensities of record.

Table III, pages 14 to 16, presents daily rainfall amounts for selected stations during the 1953-54 season.

Table IV, pages 17 to 19, presents daily rainfall amounts for selected stations during the 1954-55 season.

Table V, pages 20 to 24, presents monthly and seasonal rainfall amounts for stations from which the District received records during the 1953-54 season.

Table VI, pages 25 to 29, presents monthly and seasonal rainfall amounts for stations from which the District received records during the 1954-55 season.

#### SUMMARY OF SNOWFALL

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

Sta. No.	Station Name	Elev.	Seasons		Maximum of Record	Season	Length of Record in Years
			1953-54	1954-55			
82D	Table Mountain	7500	111	104	201	1951-52	29
83	Big Pines Recreation Camp	6860	103	130	231	1943-44	30
283B	Crystal Lake- E. Pine Flat	5770	44	70	173	1943-44	24

The following tabulation shows snow surveys made at 15 snow courses on about the first of April 1954 and 1955 in San Antonio, Big Rock and Little Rock drainage areas:

Snow Course	Approx. Elev.	Avg. Depth of Snow in Inches		Water Content in Inches		Density	
		1954	1955	1954	1955	1954	1955
San Antonio Drainage Area							
San Antonio No. 2	8,400	29.7	80.5	12.5	33.6	42.1	41.7
Icehouse No. 2	7,660	3.3	39.9	1.6	20.9	47.7	52.4
Icehouse No. 2A	7,660	31.5	74.3	14.4	38.0	45.7	51.1
Icehouse No. 3	8,000	38.0	96.0	14.0	40.4	36.8	42.1
Icehouse No. 4	5,800	Bare	Bare*	--	--	--	--
Manker Flat	6,500	Bare	Patches	--	--	--	--
Lower Thunder Mt.	7,500	1.1	22.0*	0.5	10.7*	47.4	48.6*
Upper Thunder Mt.	8,500	13.8	29.9*	5.8	14.4*	44.6	48.2*
Big Rock Creek Drainage Area							
Baden Powell	7,150	27.8	56.1	13.1	21.5	47.2	38.3
Islip No. 2	7,400	12.5	32.1	6.2	14.9	49.6	46.4
Islip No. 3	7,600	31.0	57.9	15.4	22.7	49.7	39.2
Islip No. 4	7,570	37.1	66.7	18.6	29.3	50.1	43.9
Little Rock Drainage Area							
Sqw Camp	5,800	Bare	Patches	--	--	--	--
Cedar Springs	6,500	14.0	27.8	7.0	12.7	50.0	45.7
Buckhorn	7,100	8.0	25.6	4.2	12.1	52.5	47.3

NOTE: Measurements began at San Antonio No. 2, April 1940; Icehouse No. 2, Icehouse No. 2A, Icehouse No. 3, April 1939; Baden Powell, Islip No. 2, April 1944; Islip No. 3, April 1945; Islip No. 4, April 1950; Sqw Camp, Cedar Springs, Buckhorn, April 1954; at which time these three courses were taken over from the United States Forest Service.

\*Estimates based on spot measurements at 50-foot intervals, since Icehouse No. 4, Manker Flat, Lower Thunder Mt. And Upper Thunder Mt. snow courses were not permanently established until the summer of 1954. These snow courses will replace Icehouse No. 2, Icehouse No. 2A, Icehouse No. 3, and San Antonio No. 2 subsequent to the April 1956 snow course measurements due to a better representation of the cover for the drainage area and for better access to the courses.



## COOPERATION OF RAINFALL OBSERVERS

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

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

## RESPONSIBILITY

The field and office work pertaining to precipitation, snow pack, temperature, humidity, wind velocity and direction, barometric pressure and evaporation data was under the immediate supervision of Paul A. Haig. Preparation of precipitation, snow pack and evaporation data contained in this report was under the supervision of Paul A Haig assisted by Alex P. Kasimoff to September 1954 and by Howard Spellman subsequent to September 1954.

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

TABLE I  
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT  
ACTIVE AUTOMATIC RAIN GAGES  
SEASON 1953 - 1954

FC NO.	NAME OF STATION	ELEV. OF GAGE	TYPE AND CAPACITY	WATERSHED	PERIOD OF RECORD
8	TOPANGA PATROL STATION	747	UNIVERSAL	TOPANGA CANYON	8/18/30 TO DATE
10	BEL AIR HOTEL	540	FERGUSSON	BALLONA CREEK	1/4/29 TO DATE ***
11C	UPPER FRANKLIN CANYON RESERVOIR	867	"	FRANKLIN CANYON	9/23/37 TO DATE
15	VAN NUYS - CITY WAREHOUSE	695	"	LOS ANGELES RIVER	8/18/30 TO DATE
33A <sup>1</sup> -E	PACOIMA DAM	1500	"	PACOIMA CANYON	9/22/30 TO DATE
46D-E	BIG TUJUNGA DAM	2315	STEVENS	BIG TUJUNGA CANYON	12/9/40 TO DATE
47C	CLEAR CREEK	3125	FERGUSSON	BIG TUJUNGA CANYON	11/2/28 TO 9/14/54
52C	WATERMAN GUARD STATION	3290	"	ARROYO SECO	1/15/26 TO DATE
53D	COLBY'S	3675	"	BIG TUJUNGA CANYON	4/19/26 TO 1/15/28 6/30/37 TO 12/26/40 2/14/41 TO DATE
54C	LOOMIS RANCH - ALDER CREEK	4300	"	BIG TUJUNGA CANYON	11/24/31 TO DATE (1)
57B-E	OPID'S	4250	"	SAN GABRIEL, WEST FORK	12/14/25 TO DATE ***
60A	HOGEE'S	2650	"	BIG SANTA ANITA CANYON	11/11/26 TO DATE
63B-E	BIG SANTA ANITA DAM	1400	UNIVERSAL	BIG SANTA ANITA CANYON	2/24/50 TO DATE
66B	SAWPIT DAM	1378	"	SAWPIT CREEK	11/20/52 TO 7/20/53 12/17/53 TO DATE
69B	SAWPIT CANYON - HOGBACK	1775	FERGUSSON	SAWPIT CANYON	11/28/50 TO DATE
70B	ROGER'S CANYON - GOEDERT	790	"	SAN GABRIEL RIVER	12/4/26 TO DATE
83	BIG PINES RECREATION PARK	6860	"	MESCAL CREEK AND SWARTOUT VALLEY	12/17/25 TO DATE ***
85D	CAMP BALDY GUARD STATION	4300	"	SAN ANTONIO CANYON	11/11/27 TO DATE ***
89-E	SAN DIMAS DAM	1350	UNIVERSAL	SAN DIMAS CANYON	2/27/50 TO DATE
92	CLAREMONT - POMONA COLLEGE	1190	FERGUSSON	SANTA ANA RIVER	12/2/27 TO DATE
96B-E	PUDDINGSTONE DAM	1030	UNIVERSAL	PUDDINGSTONE CREEK	10/14/52 TO DATE
108B	EL MONTE - FIRE STATION	301	FERGUSSON	RIO HONDO	10/11/38 TO DATE
116C	INGLEWOOD - FIRE STATION	155	"	LAGUNA DOMINGUEZ	2/26/48 TO DATE
121B	LANCASTER - HIGH SCHOOL	2360	UNIVERSAL	MAHANE DESERT	4/30/52 TO DATE
156	LA MIRADA - STANDARD OIL CO.	86	STEVENS	COYOTE CREEK	4/19/46 TO DATE
178	AZUSA - GRIFFITH	545	FERGUSSON	SAN GABRIEL RIVER	1/1/31 TO DATE
179F	SIERRA MADRE - I. N.	1153	"	RIO HONDO	6/24/41 TO DATE
191B	LOS ANGELES - ALCAZAR	400	FULLER FLOAT TYPE	LOS ANGELES RIVER	6/27/52 TO DATE
201	PUENTE HILLS - ALTA MIRA RANCH	860	FERGUSSON	SAN JOSE CREEK	9/15/38 TO 11/2/38 12/19/40 TO DATE
213D	LOS ANGELES - HANCOCK PARK	175	"	LOS ANGELES RIVER	1/13/29 TO DATE
223B-E	BIG DALTON DAM	1575	UNIVERSAL	BIG DALTON CANYON	10/14/52 TO DATE
235B	HENNINGER FLATS	2550	FRIEZ	FATON CANYON	1/2/30 TO DATE
257	GRIFFITH PARK NURSERY	750	FERGUSSON	BALLONA CREEK	11/12/30 TO DATE
259C	CHATHSWORTH PATROL STATION	1254	"	LOS ANGELES RIVER	8/17/37 TO DATE
261B-E	ACTION - ESCONDIDO CANYON	2920	"	SANTA CLARA RIVER	11/23/50 TO DATE ***
280B	FLINTRIDGE FIRE STATION	1325	"	ARROYO SECO	7/26/30 TO DATE
283B	CRYSTAL LAKE - EAST PINE FLAT	5770	"	SAN GABRIEL, NORTH FORK	11/26/35 TO DATE
291	LOS ANGELES - 96TH AND CENTRAL	121	"	LOS ANGELES RIVER	10/6/30 TO DATE
303F	PASADENA - CAL TECH	795	"	ALHAMBRA WASH	12/13/30 TO DATE
334B-E	COSSWELL DAM	2330	"	SAN GABRIEL, WEST FORK	1/14/32 TO DATE
348	MOUNT WILSON - AIRWAYS STATION	5709	"	SAN GABRIEL AND SANTA ANITA CANYONS	3/4/32 TO DATE ***
352	LACHUSA PATROL STATION	1530	"	ARROYO SEQUIT AND TRANCAS CANYONS	11/28/34 TO DATE ***
356B	SPADRA - PACIFIC COLONY	685	"	SAN JOSE CREEK	3/30/38 TO DATE ***
367	HAINES CANYON - UPPER	3450	FRIEZ	BIG TUJUNGA CANYON	1/13/33 TO DATE
372	SAN FRANCISCO TO POWER HOUSE NO. 2	1580	FERGUSSON	SANTA CLARA RIVER	5/25/44 TO DATE
373	BRIGGS TERRACE	2310	FRIEZ	VERDUJO WASH	11/28/33 TO DATE
379B	SAN GABRIEL - EAST FORK	1600	"	SAN GABRIEL - EAST FORK	12/8/37 TO 8/19/38 2/14/46 TO DATE
380	EL SERENO	553	FERGUSSON	LOS ANGELES RIVER	11/1/34 TO DATE
415	SIGNAL HILL - CITY HALL	125	"	SOUTH COASTAL	3/15/37 TO DATE ***
425B-E	SAN GABRIEL DAM	1481	UNIVERSAL	SAN GABRIEL RIVER	11/3/37 TO DATE
433	ALTADENA - FARNSWORTH PARK	1710	FERGUSSON	RUBIO CANYON	9/14/38 TO DATE
434	MALIBU DIVISION HEADQUARTERS	800	"	MEDEA CREEK	10/27/43 TO DATE
435	MUNTE NIDO	600	"	MALIBU CREEK	11/19/43 TO DATE
444C	ROLLING HILLS - PALOS VERDES HILLS	490	FRIEZ	RIBBY SLOUGH	7/13/48 TO DATE
445B	LIVE OAK DAM	1510	STEVENS	LIVE OAK CANYON	3/20/40 TO DATE
446	ALISO CANYON - SANTA SUSANA MTS.	2367	FRIEZ	LOS ANGELES RIVER	7/2/40 TO DATE ***
449B	FATON DAM	875	UNIVERSAL	FATON WASH	10/31/50 TO DATE
453B	DEVIL'S GATE DAM	1090	"	ARROYO SECO	11/20/52 TO 9/15/53 1/27/54 TO DATE
466B	PACOIMA CANYON - DUTCH LOUIE CN.	3225	FERGUSSON	PACOIMA CANYON	1/16/41 TO DATE
470	TUJUNGA - MILL CREEK	4600	FRIEZ	BIG TUJUNGA	10/18/41 TO 10/28/49 7/9/51 TO DATE ***
477B	SANTA ANITA - SPRING CAMP	4715	STEVENS	SANTA ANITA CANYON	11/25/41 TO DATE
486B	COLDWATER CANYON - WIDMAN RANCH	3865	FERGUSSON	SAN GABRIEL - EAST FORK	9/22/43 TO DATE
492	CHILAO - STATE HIGHWAY MAINTENANCE STA.	5275	"	SAN GABRIEL RIVER, WEST FORK	10/10/44 TO DATE
517B	ANDERSEN RANCH	4700	FERGUSSON	PALLET CREEK	12/17/43 TO DATE
1006	SAN PEDRO CITY RESERVOIR	180	"	SAN PEDRO BAY	3/7/46 TO DATE
1008-E	LA FRESA - S.C.E. CO. SUBSTATION	65	FRIEZ	LAGUNA DOMINGUEZ	8/29/46 TO DATE
1010B	PALMER CANYON - FORKS	2150	"	THOMPSON CREEK	12/19/46 TO DATE
1013B	TUJUNGA CANYON ABOVE GOLD CANYON	1650	STEVENS	BIG TUJUNGA CANYON	9/29/47 TO DATE
1014D-E	RIO HONDO SPREADING GROUNDS	155	FERGUSSON	RIO HONDO	11/14/51 TO DATE
1017	LITTLE ROCK CR. ABOVE SANTIAGO CR.	3330	STEVENS	LITTLE ROCK CANYON	8/6/48 TO DATE
1034	SANTA CLARA RIVER - 6 S. AIRPARK	1380	FRIEZ	SANTA CLARA RIVER	4/19/50 TO DATE
1035	WHITTIER - WOOD	380	FERGUSSON	SAN GABRIEL RIVER	10/27/52 TO DATE
1060	LITTLE ROCK - SYCAMORE CAMP	3825	FRIEZ	LITTLE ROCK CREEK	7/21/53 TO DATE
1061	SPINKS CANYON	1025	UNIVERSAL	SAN GABRIEL RIVER	9/15/53 TO DATE
1078	COVINA - GRIFFITH	975	FERGUSSON	WALNUT CREEK	12/26/52 TO DATE
1080	BRADBURY DEBRIS BASIN	935	UNIVERSAL	SAN GABRIEL RIVER	5/25/55 TO DATE
1088	LA HABRA HEIGHTS MUTUAL WATER CO.	525	STEVENS	COYOTE CREEK	3/8/55 TO DATE

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT  
ACTIVE AUTOMATIC RAIN GAGES  
SEASON 1954 - 55

FC NO.	NAME OF STATION	ELEV. OF GAGE	TYPE AND CAPACITY	WATERSHED	PERIOD OF RECORD
46D-E	BIG TUJUNGA DAM	2315	UNIVERSAL	BIG TUJUNGA CANYON	12/9/40 TO DATE
85F	CAMP BALDY GUARD STATION	4300	FERGUSSON	SAN ANTONIO CANYON	11/11/27 TO DATE ***
178	AZUSA - GRIFFITH	545	"	SAN GABRIEL RIVER	1/1/31 TO 11/4/54
257	GRIFFITH PARK NURSERY	750	"	BALLONA CREEK	11/12/30 TO 11/14/54
433	ALTADENA - FARNSWORTH PARK	1710	"	RIO HONDO	9/14/38 TO 10/14/54
433B	ALTADENA SHERIFF	1340	"	RIO HONDO	10/14/54 TO DATE
493B	SAND CANYON - BARRUS	1780	"	SANTA CLARA RIVER	12/1/54 TO DATE
1037-E	ARCADIA - ARBORETUM	525	UNIVERSAL	RIO HONDO	3/3/55 TO DATE
1061	SPINKS CANYON	1025	"	SAN GABRIEL RIVER	9/15/53 TO 5/25/55
1078	COVINA - GRIFFITH	975	FERGUSSON	WALNUT CREEK	12/26/52 TO DATE
1080	BRADBURY DEBRIS BASIN	935	UNIVERSAL	SAN GABRIEL RIVER	5/25/55 TO DATE
1088	LA HABRA HEIGHTS MUTUAL WATER CO.	525	STEVENS	COYOTE CREEK	3/8/55 TO DATE

LEGEND

- (1) PREVIOUS RECORD BY U.S.W.B. MARVIN GAGE FROM DECEMBER 1916 TO NOVEMBER 24, 1931.  
 \*\*\* HOURLY AMOUNTS PUBLISHED IN U.S.W.B. HYDROLOGIC BULLETIN, SOUTH PACIFIC DISTRICT, AND HOURLY PRECIPITATION DATA, FOR CALIFORNIA FROM OCTOBER 1, 1951.  
 SUFFIX 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 THE DISTRICT'S FILES.

SEASON 1954-55 IDENTICAL WITH SEASON 1953-54 WITH EXCEPTION OF STATION NOS. 46D-E, 85F, 178, 257, 433B, 493B, 1037-E, 1061, 1078, 1080, 1088.

TABLE I  
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT  
PRIVATE ACTIVE AUTOMATIC RAIN GAGES  
SEASONS 1953 - 1954

FC NO.	NAME OF STATION	ELEV. OF GAGE	TYPE AND CAPACITY	WATERSHED	PERIOD OF RECORD
23-E	CHATSWORTH RESERVOIR	865	FRIEZ	LOS ANGELES RIVER	12/4/45 TO DATE *** **
87	SAN DIMAS GUARD STATION	1500	STEVENS FLOAT GAGE	SAN DIMAS CREEK	12/11/25 TO 11/23/26 10/19/42 TO DATE **
124B	BOUQUET CANYON RESERVOIR	3000	STEVENS	BOUQUET CANYON AND SANTA CLARA RIVER	11/11/31 TO DATE *
139	LOS ANGELES WATER DEPARTMENT	385	LEITZ	LOS ANGELES RIVER	12/22/38 TO DATE *
140B	SAWTELLE	230	FRIEZ	BALLONA CREEK	10/5/51 TO DATE *
157B	EL SEGUNDO - STANDARD OIL COMPANY	150	FRIEZ	WEST COASTAL	6/16/48 TO DATE
158	TANBARK FLATS	2750	FERGUSSON	SAN DIMAS CREEK	1/16/29 TO DATE *** **
210B	BRAND PARK	1250	FRIEZ	LOS ANGELES RIVER	12/27/28 TO DATE
228B	BEVERLY HILLS - CITY HALL	290	FERGUSSON	BALLONA CREEK	10/14/31 TO DATE
237B	STONE CANYON RESERVOIR	725	FRIEZ	STONE CANYON	9/23/47 TO DATE *
269B	DIAMOND BAR RANCH - HORSE CAMP	760	"	BREA CANYON	12/3/41 TO DATE *** **
311B	PASADENA METEOROLOGICAL STATION	918	"	ARROYO SECO	10/1/38 TO DATE *
357	SAN FERNANDO POWER HOUSE NO. 3	1248	FRIEZ TIPPING BUCKET	UPPER SAN FERNANDO RESERVOIR	12/4/45 TO DATE *** **
407	NEWHALL - U. S. F. S. HEADQUARTERS	1325	"	SANTA CLARA	12/19/49 TO DATE *** *
436B	HANSEN DAM	1005	STEVENS	TUJUNGA WASH	10/30/40 TO DATE *** **
465B	SEPULVEDA DAM	675	FRIEZ	LOS ANGELES RIVER	10/23/45 TO DATE *** **
471	LITTLE TUJUNGA - GOLD CREEK	2750	US C OF E (SPECIAL) UNLIMITED	LITTLE TUJUNGA	10/30/41 TO DATE *** **
965B	LONG BEACH - 1607 SAN FRANCISCO ST.	11	UNIVERSAL	SOUTH COASTAL	11/8/24 TO DATE
577F	LOS ANGELES - U. S. W. B. (FEDERAL BLDG.)	548	FRIEZ TIPPING BUCKET	LOS ANGELES RIVER	3/1/40 TO DATE *** *
683	SUNSET RIDGE GUARD STATION	2110	FRIEZ	ARROYO SECO AND LOS ANGELES RIVER	10/16/45 TO DATE *
715B	LOS ANGELES TERMINAL ANNEX P. O.	282	"	LOS ANGELES RIVER	8/12/53 TO DATE
723	STONE CANYON - SAN FERNANDO VALLEY	875	STEVENS FLOAT	LOS ANGELES RIVER	10/19/43 TO DATE *
724	BIG DALTON - MONROE CANYON - FLUME X	1775	STEVENS	BIG DALTON CANYON	3/15/38 TO DATE **
725	BIRMINGHAM HOSPITAL	722	FRIEZ	LOS ANGELES RIVER	8/4/44 TO DATE *** **
726	ANGELES CREST - U. S. F. S. GUARD STA.	2300	"	ARROYO SECO AND LOS ANGELES RIVER	10/16/45 TO DATE
735	BELL CANYON - PLATT RANCH	915	"	LOS ANGELES RIVER	1/15/46 TO DATE ***
740B	SAN DIMAS CANYON - FERN CANYON	5200	FERGUSSON	SAN DIMAS CREEK	10/12/36 TO DATE **
741	SAN DIMAS CANYON - UPPER EAST FORK	2750	STEVENS	SAN DIMAS CREEK	10/4/34 TO DATE **
747	SANDBERG AIRWAYS	4517	FRIEZ	SANTA CLARA RIVER	4/2/32 TO DATE *** *
749	BURBANK - U. S. W. B. (AIRPORT)	699	"	LOS ANGELES RIVER	9/20/31 TO DATE *** **
755	GRIFFITH PARK - LITTLE CANYON	900	"	LOS ANGELES RIVER	9/4/47 TO DATE *
756	GRIFFITH PARK - UPPER SPRING CANYON	1200	"	LOS ANGELES RIVER	9/2/47 TO DATE *
757	GRIFFITH PARK - FERN DELL	800	"	BALLONA CREEK	9/4/47 TO DATE *
758	GRIFFITH PARK - LOWER SPRING CANYON	625	"	LOS ANGELES RIVER	9/3/47 TO DATE *
759	HOLLYWOOD - 1736 COURTNEY AVENUE	422	"	BALLONA CREEK	9/11/47 TO DATE *
760	STUDIO CITY - 3913 GOODLAND AVENUE	680	"	LOS ANGELES RIVER	10/3/47 TO DATE **
762	UPPER STONE CANYON	925	"	BALLONA CREEK	9/4/47 TO DATE *
766	MANDEVILLE CANYON - FIRE ROAD NO. 24	1625	"	SEPULVEDA CANYON	9/5/47 TO DATE *
769	SANTAYNEZ CN. - TEMESCAL FIRE RD. NO. 30	1980	"	SANTA YNEZ CANYON	9/5/47 TO DATE *
770	SANTAYNEZ CN. - PASEO MIRAMAR	700	"	SANTA YNEZ CANYON	9/11/47 TO DATE *
771	RUSTIC CANYON - SANTA MONICA MOUNTAINS	265	"	RUSTIC CANYON	9/10/47 TO DATE *
772	L. A. - ECHO PARK AND LUCRETIA	475	STEVENS	BALLONA CREEK	9/15/47 TO DATE *
774	BARLOW SANITARIUM	423	RATIONAL	LOS ANGELES RIVER	12/19/47 TO DATE *
775	L. A. - 8TH AND CROCKER STREETS	249	FRIEZ	LOS ANGELES RIVER	9/12/47 TO DATE *
779	GRIFFITH PARK - LOWER MINERAL WELLS	625	"	LOS ANGELES RIVER	11/19/47 TO DATE *
780	GRIFFITH PARK - UPPER MINERAL WELLS	1025	"	LOS ANGELES RIVER	11/5/47 TO DATE *
783	COON CANYON	1268	LEUPOLD L.	ARROYO SECO	10/19/48 TO DATE *
786	FIRE DEPARTMENT - ELYSIAN PARK	700	FRIEZ	LOS ANGELES RIVER	9/19/48 TO DATE *
801	MAGIC MOUNTAIN	4450	US C OF E (SPECIAL) UNLIMITED	PACQUIMA CANYON	3/19/47 TO DATE **
805	2771 ROWENA AVENUE	435	FRIEZ	LOS ANGELES RIVER	9/30/48 TO DATE **
806	2376 TEVIOT STREET	565	"	LOS ANGELES RIVER	9/20/48 TO DATE **
1041B	SANTA FE DAM	427	"	SAN GABRIEL RIVER AND RIO HONDO	10/24/45 TO DATE *** *
1058	PALMDALE 2NE	2583	"	MOHAVE DESERT	3/27/53 TO DATE ***
1075	UPPER WOLFSKILL CANYON	3625	FERGUSSON	SAN DIMAS CANYON	12/14/37 TO 5/28/46 *
1093	FULLERTON AIRPORT	94	FRIEZ	COYOTE CREEK	1/7/54 TO DATE *
1095	ORANGE COUNTY RESERVOIR	600	"	BREA CANYON	1/1935 TO DATE *

## 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, AND HOURLY PRECIPITATION DATA FOR CALIFORNIA FROM OCTOBER 1, 1951.
  - SUFFIX A, B, C, DENOTES FIRST, SECOND, OR THIRD LOCATION OF STATION IN SAME LOCALITY UNDER NEARLY THE SAME CONDITIONS.
  - SUFFIX - E INDICATES EVAPORATION PAN AT STATION.
- NOTE: THE DISTRICT ALSO HAS RECORDS OF SEVERAL AUTOMATIC GAGES AT STATIONS WHICH ARE NOW INACTIVE. THESE RECORDS ARE AVAILABLE IN THE DISTRICT'S FILES.

SEASON 1954-55 IDENTICAL WITH SEASON 1953-54.

TABLE II  
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT  
COMPARATIVE MAXIMUM RAINFALL INTENSITIES IN INCHES  
SEASONS 1953-54, 1954-55 AND MAXIMUM OF RECORD FOR SELECTED STATIONS

	7158 LOS ANGELES TERMINAL ANNEX POST OFFICE		#15 VAN NUYS LAWD WAREHOUSE		#178 AZUSA GRIFFITH		#425B SAN GABRIEL DAM		#261B ACTON ESCONDIDO CN.		#6 TOPANGA CANYON		#92 POMONA COLLEGE CLAREMONT		#57B OPID'S (CAMP HI HILL)		#60A HOEGEES (CAMP IVY)		#303F CAL TECH PASADENA	
	1953- 1954	MAX. OF RECORD	1953- 1954	MAX. OF RECORD	1953- 1954	MAX. OF RECORD	1953- 1954	MAX. OF RECORD	1953- 1954	MAX. OF RECORD	1953- 1954	MAX. OF RECORD	1953- 1954	MAX. OF RECORD	1953- 1954	MAX. OF RECORD	1953- 1954	MAX. OF RECORD	1953- 1954	MAX. OF RECORD
5 MIN.	.15	.44	.14	.33	.14	.32	.20	.60	.06	.29	.36	.50	.15	.40	.20	1.17	.17	.43	.28	.32
AMT. DATE	11/14	2/18/08	3/16	12/15/38	2/13	2/11/36	1/25	4/5/26	1/24	8/26/35	1/19	2/20/41	1/19	12/6/46	1/24	4/5/26	1/19	4/29/35	1/19	3/3/43
10 MIN.	.20	.66	.18	.43	.15	.40	.36	.62	.10	.41	.49	.70	.22	.46	.30	1.18	.30	.50	.35	.44
AMT. DATE	11/14	2/18/14	3/16	1/9/40	2/13	11/11/44	1/25	4/5/26	1/24	8/26/35	1/19	2/20/41	1/25	12/6/46	1/24	4/5/26	1/19	4/29/35	1/19	3/3/43
15 MIN.	.28	.81	.21	.50	.20	.53	.48	.68	.12	.44	.55	.91	.30	.50	.34	1.18	.40	.65	.38	.60
AMT. DATE	1/12	2/18/14	3/16	12/17/40	2/13	11/11/44	1/25	4/5/26	1/24	8/26/35	1/19	2/20/41	1/25	9/29/46	1/24	4/5/26	1/19	12/21/45	1/19	3/3/43
30 MIN.	.44	1.12	.30	.88	.33	.77	.76	.96	.18	.66	.73	1.16	.49	.72	.56	1.52	.63	1.06	.57	1.08
AMT. DATE	2/13	2/18/14	3/16	12/28/41	2/13	10/17/34	1/25	4/5/26	1/24	10/1/32	1/19	2/20/41	1/25	9/29/46	1/24	4/5/26	1/19	3/4/43°	1/19	3/3/43
1 HR.	.84	1.51	.46	1.26	.55	1.10	.90	1.25	.28	.99°	1.20	2.51°	.64	.94	.83	2.21	.95	1.70	.77	1.70
AMT. DATE	2/13	2/18/14	1/19	12/28/41	2/13	10/17/34	1/25	1/22/43	1/24	8/24/35	2/13	1/22/43	1/25	1/22/43	1/19	4/5/26	1/19	12/21/45	1/19	3/3/43
2 HRS.	1.44	1.99	.80	1.50	.97	1.73	1.20	2.34	.30	1.48°	2.30	3.44°	.97	1.63	1.45	3.83	1.54	2.88	1.06	2.36
AMT. DATE	2/13	2/18/14	1/19	1/22/43	2/13	10/17/34	2/13	1/22/43	1/19	8/24/35	2/13	1/22/43	2/13	1/22/43	1/19	4/5/26	1/19	3/2/38	2/13	3/4/43°
3 HRS.	1.87	2.28	1.04	2.13	1.47	2.34	1.69	3.28	.56	1.48°	3.17	4.14°	1.34	2.27	2.10	4.95	2.11	4.00	1.43	3.02
AMT. DATE	2/13	2/18/14	1/19	1/22/43	2/13	1/1/34°	2/13	1/22/43	1/25	8/24/35	2/13	1/22/43	2/13	12/31/33	1/19	3/2/38	1/19	3/2/38	2/13	12/31/33
4 HRS.	2.10	2.63	1.26	2.67	1.88	2.79	2.19	4.32	.74	1.57	3.78	5.09°	1.64	2.96	2.65	6.16	2.76	5.30	1.90	3.80
AMT. DATE	2/13	2/18/14	1/19	1/22/43	2/13	1/1/34°	2/13	1/22/43	1/19	1/22/43	2/13	1/22/43	2/13	1/22/43	1/19	3/2/38	1/19	3/2/38	2/13	12/31/33
5 HRS.	2.41	3.06	1.44	3.13	2.26	2.98	2.46	5.30	.87	1.82	4.22	5.46°	1.86	3.25	3.00	7.24	3.05	6.48	2.22	4.55
AMT. DATE	2/13	3/2/38	2/13	1/22/43	2/13	1/1/34°	2/13	1/22/43	1/19	1/22/43	2/13	1/22/43	2/13	1/22/43	1/19	3/2/38	1/19	1/22/43	2/13	12/31/33
12 HRS.	3.15	4.91	2.08	5.29	2.99	6.00	3.87	10.35	1.07	3.14	5.53	9.79	2.63	4.55	4.80	13.38	4.45	13.36	3.05	7.98
AMT. DATE	2/13	3/2/38	2/13	1/1/34°	2/13	1/1/34°	2/13	1/22/43	1/19	1/23/43°	2/13	12/31/33	2/13	3/2/38	1/25	3/2/38	2/13	1/23/43°	2/13	12/31/33
24 HRS.	3.34	7.36	2.32	8.13	3.14	10.85	3.42	17.81	1.58	4.44	5.76	13.63	3.23	7.92	6.75	21.68	6.56	26.12	3.15	11.26
AMT. DATE	2/14°	1/1/34°	2/14°	1/22/43°	2/14°	1/1/34°	1/25°	1/23/43°	1/19°	1/23/43°	2/14°	1/1/34°	1/19°	1/1/34°	1/25°	1/23/43	1/25°	1/23/43°	2/13	1/1/34°
STORM TOTAL																				
AUTO.	3.40	8.27	2.07	INC.	3.23	12.51	5.75	24.07	1.85	6.45	5.85	INC.	4.05	10.70	7.25	32.15	7.29	37.42	3.44	13.64
AMT. DATE	2/13	12/30/33-	1/17	1/21/43	2/13	12/30/33-	1/17	1/21/43	1/17	1/21/43	2/13	1/21/43	1/18	1/21/43	1/23	1/21/43	1/23	1/21/43	1/17	1/21/43
STD.	2.13	9.67	3.07	11.31			5.86	25.08	1.92	6.69	6.15	17.36	4.46	11.03	7.15	33.95	7.17	37.34	3.62	13.86
AMT. DATE	2/14	3/2/84	1/17	1/21/43			1/17	12/17/21	1/17	12/18/21	2/13	1/21/43	1/18	2/10/27	1/23	12/18/21	1/23	1/21/43	1/17	1/21/43
	2/14	3/10/84	1/20	1/23/43			1/20	12/22/21	1/20	12/27/21	2/14	1/23/43	1/20	2/18/27	1/25	12/23/21	1/25	1/23/43	1/20	1/23/43

	1954- 1955	1954- 1955	1954- 1955	1954- 1955	1954- 1955	1954- 1955	1954- 1955	1954- 1955	1954- 1955	1954- 1955	1954- 1955	1954- 1955	1954- 1955	1954- 1955	1954- 1955	1954- 1955	1954- 1955	1954- 1955	1954- 1955	1954- 1955
5 MIN.	.15	.20		.17	.26		.20	.12	.12	.17	.18									
AMT. DATE	4/30	5/7		11/11	1/7		12/9	11/11	11/11	11/11	11/11									
10 MIN.	.22	.26		.24	.33		.27	.20	.17	.22	.26									
AMT. DATE	4/30	5/7		11/11	1/7		12/9	11/11	11/11	11/11	11/11									
15 MIN.	.28	.32		.30	.38		.32	.24	.22	.23	.33									
AMT. DATE	4/30	5/7		11/11	1/7		1/10	11/11	11/11	11/11	11/11									
30 MIN.	.33	.47		.36	.47		.51	.36	.32	.43	.48									
AMT. DATE	4/30	5/7		11/11	1/7		1/10	11/11	1/18	11/11	1/18									
1 HR.	.43	.48		.68	.58		.72	.47	.57	.65	.65									
AMT. DATE	11/11	5/7		11/11	1/7		1/10	11/11	4/30	11/11	5/1									
2 HRS.	.60	.66		1.16	.60		1.09	.70	1.00	.84	.95									
AMT. DATE	1/18	4/30		11/11	1/7		1/10	1/10	4/30	11/11	1/18									
3 HRS.	.83	.88		1.33	.63		1.73	.95	1.45	1.12	1.19									
AMT. DATE	1/18	1/10		11/11	4/30		1/10	4/30	4/30	4/30	1/10									
4 HRS.	1.03	1.01		1.55	.70		2.01	1.10	1.85	1.36	1.38									
AMT. DATE	1/18	1/10		4/30	4/30		1/10	1/10	4/30	4/30	1/18									
5 HRS.	1.13	1.10		1.70	.78		2.09	1.14	2.31	1.52	1.54									
AMT. DATE	1/18	1/18		4/30	4/30		1/10	1/18	4/30	4/30	1/18									
12 HRS.	1.40	1.66		2.54	1.16		2.25	1.74	3.09	2.35	1.78									
AMT. DATE	1/18	1/18		11/10	4/30		1/10°	11/11°	4/30	11/11°	1/18									
24 HRS.	1.53	1.66		2.85	1.51		2.51	1.85	4.12	2.65	2.34									
AMT. DATE	11/11°	1/18		5/1°	5/1°		1/10°	11/11°	5/1°	5/1°	5/1°									
STORM TOTAL																				
AUTO.	1.97	1.66	INC.	2.92	1.51		2.75	1.90	4.25	2.85	2.34									
AMT. DATE	11/10-	1/18/55		4/30-	4/30-		4/30-	11/10-	4/30-	4/30-	4/30-									
STD.	2.02	1.77		3.02	1.57		2.77	1.96	4.24	2.35	2.35									
AMT. DATE	11/10-	1/18/55		4/30-	4/30-		5/1/55	11/10-	4/30-	4/30-	4/30-									
	11/12/54			5/1/55	5/1/55		5/1/55	11/11/54	5/1/55	5/1/55	5/1/55									

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







TABLE IV  
SEASONAL 1954-55 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	
6B	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	
121B	LANCASTER	E																																0	
130B	SANDBERG'S	C																																0	
185	GLENDORA	E																																0	
241B	LONG BEACH	A																																0	
256B	POMONA	E																																0	
283B	CRYSTAL LAKE	E																																0	
321-E	PINE CANYON	C																																0	
425B-E	SAN GABRIEL DAM	E																																0	
440B	CHILAO	B																																0	
478	VALYERMO	E																																0	
577F	LOS ANGELES	F																																T	0
610B	PASADENA	E																																T	0
634B	SANTA MONICA	D																																	0
NOVEMBER																																			
STA. NO.	STATION		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	TOTAL		
6B	TOPANGA	E											1.80	.48				.25															2.53		
15	VAN NUYS	B											.88	.59				.09															1.56		
32C-E	NEWHALL	E											1.17	.51				.31													.04		2.03		
33A'-E	PACOIMA DAM	E											.90	.70				T .17															1.77		
57B-E	OPID'S	E											2.25	.40				.35															3.00		
85D	CAMP BALDY	E											2.72					.30												.11			3.13		
106	WHITTIER	E											1.40					.10															1.50		
121B	LANCASTER	E											.92	.62				.16		.01													1.71		
130B	SANDBERG'S	C											1.48	.40				.20															2.08		
185	GLENDORA	E											2.15	.10				.15													.13		2.53		
241B	LONG BEACH	A											1.00	.10				.17															1.29		
256B	POMONA	E												1.78				.15															1.95		
283B	CRYSTAL LAKE	E											3.99	.32				T .23													.02		4.56		
321-E	PINE CANYON	C											.90	.40				T .20															1.50		
425B-E	SAN GABRIEL DAM	E											2.59	.20				.16													.05		3.00		
440B	CHILAO	B												3.85				.22															T	4.07	
478	VALYERMO	E											1.80				.08																	1.88	
577F	LOS ANGELES	F											.42	1.55	.01			.03	.01												.01		2.03		
610B	PASADENA	E											1.60	.46				.09														.01		2.16	
634B	SANTA MONICA	D												1.28				.17																1.45	
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	
6B	TOPANGA	E			.15	.50						.05	1.14																				1.84		
15	VAN NUYS	B				.36							.68																					1.04	
32C-E	NEWHALL	E			.27	.52						.05	.41																					1.25	
33A'-E	PACOIMA DAM	E			.27	.37						.10	.49																					1.23	
57B-E	OPID'S	E			.60	.99						.05	.99																					2.63	
85D	CAMP BALDY	E			.60	1.20						.17	.68																					2.65	
106	WHITTIER	E			.06	.26						.05	.43																					.80	
121B	LANCASTER	E											.13																					.13	
130B	SANDBERG'S	C			.29	.20						.05	.65																					1.19	
185	GLENDORA	E			.18	.51						.10	.56																					1.35	
241B	LONG BEACH	A			.05	.27						.50																						.82	
256B	POMONA	E			.20	.49							.59																					1.28	
283B	CRYSTAL LAKE	E			1.00	1.03						.18	.95																					3.16	
321-E	PINE CANYON	C			.52	.76						T .63																						1.91	
425B-E	SAN GABRIEL DAM	E			.26	.93						.10	.65																					1.94	
440B	CHILAO	B			.01	1.22						.70																						1.93	
478	VALYERMO	E			.04	.25																												.29	
577F	LOS ANGELES	F			.43							.43																						.86	
610B	PASADENA	E			.13	.51						T .53																						1.17	
634B	SANTA MONICA	D			.37							.78																						1.15	
JANUARY																																			
STA. NO.	STATION		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL	
6B	TOPANGA	E	1.29	.03				.12				2.46	.17					.67		1.77	.06									.13	.31		7.01		
15	VAN NUYS	B	.32			T		.79				1.27	.04					.60	.04	1.77												.49	5.32		
32C-E	NEWHALL	E	.34	.06	.03			.23	.04			1.34	.13					.41		1.75	.12	.02								.04	.34		4.85		
33A'-E	PACOIMA DAM	E	.48	.04	T			.32	.03			1.11	.05					.80		1.08	.09									.08	.32		4.40		
57B-E	OPID'S	E	1.44	.50	.04			.95	.07			2.32	.04					1.10		2.53	.07									.05	.65		9.76		
85D	CAMP BALDY	E	.67	.93	.16			.74	.49			1.43	.10					1.08		1.20	.55									.28					







TABLE V  
SEASONAL 1963-64 MONTHLY RAINFALL SUMMARY  
RAINFALL RECORDS IN INCHES

STA. NO.	STATION	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	SEAS. TOTAL
2B	ESCONDIDO CANYON	0	2.04	.24	5.07	5.46	5.25	.46	.24	.01	0	.08	0	18.85
3B	SEMINOLE HOT SPRINGS	0	2.41	.10	6.48	6.08	5.13	.21	.06	0	0	0	0	20.47
5B	CALABASAS	0	1.92**	.19	5.18	3.46	4.25	.09	.08	0	0	0	0	15.17**
6	TOPANGA PATROL STATION	0	2.10	.09	7.01	6.23	5.78	.10	.05	0	0	0	0	21.36
7D	PACIFIC PALISADES - LINDOMAR NURSERY	0	.80	.12	4.42	3.68**	3.66	.20	.02*	0	T	0	0	12.90**
9B	SEPULVEDA & RAYEN	0	.97	.17	4.78	2.17**	3.33	.12	.16	0	0	0	0	11.70**
10	BEL AIR HOTEL	0	1.52	.07	6.12	5.27	4.54	.22	0	0	0	0	0	17.74
11C	UPPER FRANKLIN CANYON RESERVOIR	0	1.62	.08	5.47	4.15	4.46	.14	.03	.04	T	0	0	15.99
12	FRANKLIN CANYON & MULHOLLAND HIGHWAY	0	1.60**	.08	5.83	3.23	4.57	.14*	.03*	.03*	0	0	0	15.51**
13	NORTH HOLLYWOOD - BLIX	0	1.24	.08	4.77	3.08	3.83	.09	.03	.02	0	0	0	13.14
14	SUN VALLEY - MERRILL	0	1.04	.18	4.58	2.04	3.09	.19	T	0	T	T	T	11.12
15	YAN NUYS - CITY WAREHOUSE	0	1.17	.14	4.55	2.81	3.57	.08	.03	T	.02	0	0	12.37
17	SEPULVEDA CANYON & MULHOLLAND HIGHWAY	0	1.76	.10	6.15**	4.24**	4.67	.10	.07*	0	0	0	0	17.09**
18C	RESEDA	0	1.43	.12	4.43	3.07	3.88	.06	.03	0	0	0	0	13.02
20B	GIRARD RESERVOIR	0	1.60	.15	4.75	3.29	4.47	.12	.09	0	T	T	0	14.47
21	BRANT RANCHO - GIRARD	0	1.18**	.12	4.16	2.60	3.65	.14	.08*	0	T	T	0	11.94**
23-E	CHATSWORTH RESERVOIR	0	1.71	.15	4.41	3.16	3.57	.24	.01	0	0	0	0	13.25
24D	CHATSWORTH	0	2.17	.20	5.22	3.14	3.58	.03	.01	0	0	0	T	14.25
25B	NORTHRIDGE - ANDREWS	0	1.36	.17	4.35	3.02	3.33	.18	.05	0	0	0	T	12.46
27B	PACOIMA - RADDATZ RANCH	0	.94	.20	4.84	2.20	3.27	.12	.06	0	0	0	0	11.63
28D	SAN FERNANDO LEMON ASSOCIATION	T	.81	.18	5.14	3.28	3.16	.22	T	.03	0	0	0	12.82
29B	GRANADA PUMP PLANT	0	1.13	.19	6.25	2.94	3.80	.34	.01	.02	T	0	0	14.66
30	SYLMAR	0	1.98	.16	6.21	2.74	3.93	.47	0	0	0	0	0	14.49
31	ORCLUTT RANCH	0	3.44	0	9.61	5.09**	5.71	.61	0	0	0	0	0	24.46*
32C-E	NEWHALL-SOLEDAD DIVISION HEADQUARTERS	0	1.98	.03	5.44	2.66	4.14	.10	0	0	0	0	0	14.55
33A-E	PACOIMA DAM	0	.99	.27	6.51	2.71	4.79	.42	.11	.07	0	0	0	15.87
39B	SUNSET DAM	0	1.38	.23	5.46	3.23	4.46	.25	.15	.17	0	0	0	15.34
42	REDONDO CITY HALL	0	1.18	.05	4.48	1.86	2.59	.11	.04	.02	0	0	.01	10.33
43A	PALOS VERDES ESTATES - FIRE STATION	0	1.10	.06	4.29**	2.30	2.99	.06	T	0	0	0	0	10.80**
43B	PALOS VERDES GOLF CLUB	0	1.23	.05	4.70	2.55	3.69	.12	0	0	0	0	0	12.33
44	POINT VICENTE LIGHTHOUSE	0	.95	.05	3.22	1.62	3.05	.05	T	T	0	0	0	8.94
46D-E	BIG TUJUNGA DAM NO. 1	0	2.00	.32	9.67	4.50	7.77	.29	.02	0	0	0	0	24.57
47A	CLEAR CREEK - CITY SCHOOL	0	1.96	.41	11.17**	5.62	7.86	.42	.04	0	0	0	0	27.48**
47C	CLEAR CREEK	0	1.84	.38	11.67	5.27	7.63	.34	.05	0	0	0	0	27.18
48	OAK WILDE	0	1.52	.42	8.05	3.21	6.50	.35	.12	.35	0	0	0	20.52
50B	LA CANADA - ARROYO SECO	0	1.27	.35	6.93	3.47	4.38	.25	.09	.11	T	0	T	16.85
51	FALLING SPRINGS	0	1.98	.35	11.38	4.40	8.60	.27	.04	0	T	.27	0	27.29
52B	SWITZER'S CAMP	0	1.61	.67	9.30	4.49	6.48	.65	.07	0	0	0	0	23.27
52C	WATERMAN GUARD STATION	.01	1.67	.52	10.57	4.47	7.74	.37	.05	0	0	0	0	25.40
53D	COLBY'S	0	1.74	.32	9.22	4.65	6.71	.14	0	0	0	0	.02	22.80
54C	LOOMIS RANCH - ALDER CREEK	.01	1.17	.30	5.93	3.00	3.88	.10	.02	0	.20	0	.04	14.65
57B-E	OPID'S	.08	2.46	.35	15.14	5.07	10.34	.28	.09	T	T	0	0	33.81
58	STURTEVANT CAMP	.50	2.25	.51	14.32	5.90	10.52	.40*	.10*	.05	0	T*	T*	34.55**
60A	HOGEE'S	.20	2.54**	1.20	14.18	5.14	8.26	.46	.12	.08	0	T	T	32.18**
63B-E	BIG SANTA ANITA DAM	.24	1.74	.72	7.80	4.17	5.38	.28	.04	.15	0	T	0	20.52
66	SIERRA MADRE - PEGLER RANCH	.64	1.39	.41	6.70	3.66	4.11**	.25	.02	.15	0	0	0	17.33**
67C	MOROVIA FIRE DEPT.	.36	1.52**	.42**	6.22	3.52**	4.27**	.26*	.12*	.34*	0	0	0	17.03**
68B	SAMPIT DAM	.15	1.55	.37	9.13	3.71	4.99	.33	.10	.22	0	0	0	19.75
69B	SAMPIT CANYON	.05	1.69	.59	9.46	3.75	5.33	.38	.16	.20	0	0	0	21.63
70B	ROGER'S CANYON - GOEDERT	T	1.58	.54	9.27	3.79	5.29	.24	.04	T	0	0	0	20.76
73	GLENORA - ENGLEHART RANCH	.14	1.22	.60	9.18	4.41	5.10	.29	.12	.09	0	0	.01	21.16
76B	SAN GABRIEL DAM CAMP	T	1.68**	.39	11.89	4.82	6.30	.15	T	0	T	0	0	25.23**
80B	PRAIRIE FORK	.09	1.27	.28	9.57	3.64	6.75	.14	.04	0	.20	0	.20	22.18
81B	VINCENT GULCH	.01	1.53	.20	13.15	5.25	10.22	.16*	0	0	.02*	0	.04*	30.58**
82D	TABLE MOUNTAIN	T	1.11	.09	6.46	3.15	5.66	.03	.01	T	.65	.25	T	17.41
83	BIG PINES RECREATION PARK	T	1.38	.20	9.46	4.37	6.76	.07	.04	0	.80	0	.21	23.29
85D	CAMP BALDY GUARD STATION	.46	1.51	.47	14.13	4.97	9.09	.20	T	T	.10	0	0	30.93
87	SAN DIMAS GUARD STATION	.33	1.12	.58	10.77	3.96	5.19	.19	T	.01	.02	0	0	22.17
89-E	SAN DIMAS DAM	.52	1.09	.61	10.48	3.44	4.86	.18	.03	.06	.03	0	0	21.30
90	ELDER RANCH	.45	1.08	.55	9.29	3.18	5.07	.20	0	T	0	0	0	19.82
91	INDIAN HILL - CLAREMONT	.17	.90	.55	8.87	3.14	4.50	.18	0	0	0	0	0	18.31
92	CLAREMONT - POMONA COLLEGE	.08	1.01	.44	8.41	2.96	4.23	.22	T	0	0	0	T	17.41
93B	CLAREMONT FIRE STATION	.07	.98	.45	8.64	3.07	4.33	.24	.07	.09	T	T	.03	17.97
94B	CHARTER OAKS - MAYO	.31*	1.06*	.45*	7.68	3.05	4.12	.25	0	.06	0	0	0	16.96*
95	SAN DIMAS FIRE WARDEN	.26	.97	.52	7.89	3.13	4.36	.27	0	.10	T	0	T	17.50
96B-E	PUDDINGSTONE DAM	.45	1.00	.44	7.14	2.87	4.13	.27	.04	.08	.01	0	.02	16.45
98	AZUSA - HIBSCH	.03	1.30	.41	7.17	3.88	4.08	.36	.04	.05	0	0	0	17.32
99	AZUSA - FOOTHILL RANCH	.02	1.23	.42	7.27	4.26	4.30	.30	0	.21	0	0	0	18.01
101	WEST COVINA - HURST RANCH	.76	1.32	.22	5.72	3.03	4.45	.20	0	.10	0	0	0	15.80
102B	WALNUT - SO. HILLS PATROL STATION	0	1.28	.18	6.57	2.89	4.23	.17	T	T	.12	0	0	15.44
104	NO. WHITTIER - COLE RANCH	0	1.36	.16	7.15	3.45**	4.97	.34	0	0	0	0	0	17.43**
106B	WHITTIER CITY HALL	0	1.19	.12	4.96	2.79	3.71	.16	0	.01	.06	0	0	13.01
107C	DOWNEY - FIRE STATION	0	1.09	.19	3.97	2.87	3.36	.16	0	.02	.13	0	0	12.33
108B	EL MONTE - FIRE STATION	.05	1.31	.22	4.94	3.24	3.96	.20	0	.05	0	0	0	13.97
109D	WEST ARCADIA	.90	1.44	.32	5.85	3.36	4.00	.22	T	.16	0	0	0	16.25
110	ALHAMBRA - CITY HALL	.16	1.40	.23	5.80	3.46	4.12	.15	T	.11	T	T	0	15.45
111	SOUTH PASADENA - CITY HALL	.05	1.47	.27	6.00	3.19	3.74	.18	0	0	0	0	0	14.90
116C	INGLEWOOD - FIRE STATION	0	1.15	.08	4.40	3.56	2.61	.11	.02	.02	.03	.01	0	11.99
117B	COMPTON - FIRE STATION	0	1.15	.04	3.62	2.63**	3.31	.12	0	.01	T	0	0	10.88**
118C	WILMINGTON	0	1.06	.04	3.92	3.04	4.43	.14	0	0	0	0	0	12.63
119D	SAWTELLE - SOLDIER'S HOME	0	1.27	.09	5.17	6.17	3.70	.21	T	.02	0	0	0	16.63
120	VINCENT PATROL STATION	0	.46	.21	4.02	1.13	1.94	0	0	0	0	0	0	7.76
121B	LANCASTER HIGH SCHOOL	0	.27	.11	3.22	.71	1.36	0	0	0	.11	0	0	5.78
122B	LEONIS VALLEY-RITTER RANCH	T	.61**	.20	5.72	2.70	3.79	T	0	0	0	0	0	13.02**
124B	BOUQUET CANYON RESERVOIR	0	.94	.27	5.73	2.78	4.52	.26	.01	.02	0	0	0	14.53
125	SAN FRANCISQUITO CANYON POWER HOUSE NO. 1	.09	1.14	.23	6.06	3.07	4.23	.40	.01	0	0	.03	0	15.26
126B	VENICE - FIRE STATION	0	1.36	.13	4.88	3.62	2.88	.09	0	.01	T	T	0	12.97
127	URY CANYON RESERVOIR	0	.95	.06	4.29	2.27	2.47	.20	T	0	.07	0	0	10.31
128B	ELIZABETH LAKE CANYON - WARM SPRINGS CAMP	T	1.83	.12	6.83	3.49	5.14	.27	0	0	0	0	0	17.68
130B	SANDBERG'S - QUAIL LAKE PATROL STATION	0	2.54	.15	3.71	2.37	3.04	.05	0	0	0	0	0	11.86
134	SAN DIMAS - STEVENS	.16	.91	.52	8.86	3.99	4.44	.13	0	0	0	0	0	18.40
135	NORWALK	0	1.05	.10	5.08	2.92	4.14	.19	0	0	.05	0	0	13.53
136B	HOLLYWOOD - CITY ENGINEER	0	1.27	.08	5.09	3.73	3.47	.16	0	.05	T	T	0	13.85
139	LOS ANGELES WATER DEPARTMENT	0	1.25	.06	4.60	3.41	3.37	.13	T	.06	T	T	0	12.88
140	SAWTELLE	0	1.27	.10	5.14	5.22	3.60	.19	.01	.02	0	0	0	15.55
143	AZUSA - CITY PARK	.01	1.22	.38	7.38	3.82	4.50	.27	.02	.07	.01	0	0	17.68
144	SIERRA MADRE DAM	.52	1.46	.55	7.80	3.59	4.99	.29	.11	.31	0	0	0	19.62
159B	LITTLE ROCK CREEK	0	.29**	.11*	3.56	1.69	2.16	0	0	0	.34	0	T	8.15**
156	LA MIRADA - STANDARD OIL CO.	0	1.12	.12	4.79	2.92	4.04	.10	0	0	0	0	0	13.09
157B	EL SEGUNDO - STANDARD OIL CO.													

TABLE V  
SEASONAL 1953-54 MONTHLY RAINFALL SUMMARY  
RAINFALL RECORDS IN INCHES

STA. NO.	STATION	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	SEAS. TOTAL
172B	DUARTE	.23	1.37	.42	6.48	3.41	3.98	.02	.03	.09	0	0	0	16.03
174	GLENDORA - WARREN	.18	1.04**	.54	7.91	3.33	4.51	.37	0	0	0	0	0	17.88**
175B	ALTA CANYADA - LA CANADA IRRIGATION DISTRICT	0	1.62	.36	8.00	4.19	5.18	.43	.10	.25	0	0	0	20.15
176	RUBIO CANYON LAND & WATER CO.	0	1.25	.39	6.72	3.09	4.67	.26	.09	.19	0	0	0	17.66
177C	LA CANADA - BRADFORD	0	1.35	.36	7.51	3.46	4.69	.34	.08	.13	0	0	0	17.92
178	AZUSA - GRIFFITH	.20	1.08	.36	6.12	3.28	3.93	.28	.01	.13	.01	0	0	15.40
179F	SIERRA MADRE - N. N.	.56	1.40	.50	8.05	3.42	4.91	.40	.14	.33	0	0	0	19.71
181B	BASSETT - CLIFFORD	T	1.27	.16	5.32	3.03	4.05	.42	0	.07	T	T	0	14.32
185	GLENDORA - WEST	.16	1.21	.44	7.73	4.18	5.29	.28	.05	.12	T	T	0	19.46
188C	SAN DIMAS - MORRISON	.18	.92	.50	8.53	3.17	4.38	.22	0	.05	T	0	0	17.95
191B	LOS ANGELES - ALCAZAR	0	1.40	.09	5.07	3.33	3.69	.16	.02	.05	0	.03	T	15.84
192B	BELL FIRE STATION	0	1.25	.10	4.36	2.99	3.45	.09	.01	0	T	0	0	12.25
193	COVINA NO. 2 - TEMPLE	.67	1.10	.39	6.42	2.75	3.90	.19	T	.05	T	T	0	15.47
196B	LA VERNE - POLICE DEPT.	.28	.97	.42	6.47	2.97**	4.50	.24	0	.08	0	0	0	15.93**
198B	BRAND DEBRIS BASIN	0	1.27	.17	5.56	2.76	4.25	.14	.09	.17	0	0	0	14.41
199B	HUNTINGTON PARK - CITY YARD	0	1.50	.08	4.58	3.32	3.48	.08	.03	T	T	T	0	13.07
200	SAUGUS - S.C.E. CO. SUBSTATION	0	1.49	.03	4.92	2.56	2.43	.18	0	0	0	.07	0	11.68
201	PUENTE HILLS - ALTA MIRA RANCH	0	1.33**	.19	7.17	3.11	4.78	.36	0	0	0	0	0	16.94**
206	VALENCIA HEIGHTS	.25	1.18	.29	6.10	2.60	3.89	.21	0	0	0	0	0	14.72
208	ARTESIA - BARR LUMBER CO.	0	.59	.06	4.41	2.59	3.70	.13	0	0	0	0	0	11.98
210B	BRAND PARK	0	1.41	.17	4.71	3.29	4.73	.15	.10	.04	0	0	0	14.60
213D	LOS ANGELES - HANCOCK PARK	0	1.13	.04	5.00	3.92	3.26	.14	.02	.02	0	0	0	13.53
215C	BELLFLOWER - HERALD ENTERPRISE	0	1.05	.06	4.23	3.30	4.35	.15	0	0	0	0	0	13.14
216	GLENDALE - JONES	0	1.22	.16	5.46	2.89	4.14	.14	.02	.05	T	T	0	14.08
217	WATTS - JORDAN HIGH SCHOOL	0	1.32	.09	3.86	2.88**	3.27**	.10*	.03*	.01*	0	0	0	11.56*
219	PACOIMA WAREHOUSE - COUNTY FORESTRY	0	1.03	.20	5.10**	2.09	3.73	.20	.15	0	0	0	0	12.50**
221C	PACOIMA WASH DUCKWORTH RANCH	0	.90**	.25*	5.30	3.12	4.80	.33*	.08	0	0	0	0	14.78**
222	LANKERSHIM GENERATING PLANT	0	.77	.12	3.77	2.03	2.57	.12	T	0	0	0	0	9.38
223B-E	BIG DALTON DAM	.12	1.34	.58	11.14	4.38	5.44	.23	.08	.08	T	T	0	23.39
224B	LONG BEACH - ALAMITOS LAND CO.	0	1.28	.02*	4.92	3.03**	3.17	.15	0	0	0	.01	0	12.58**
225	MONTANA RANCH	0	.93	.04	4.57**	2.55**	3.94	.17	0	0	0	T	0	12.20**
226	BURBANK FIRE STATION	0	1.27**	.13	4.25	3.02**	3.53	.12	.04	.11	T	T	0	12.47**
227D	SAN GABRIEL - BRUNSTON	.10	1.22	.30	5.81**	3.27	3.91	.16	.02	.10	T	0	0	14.96**
228B	BEVERLY HILLS - CITY HALL	0	1.12	.05	5.68	5.12	3.81	.17	.02	.04	T	T	0	16.01
230C	LIVE OAK CANYON - ELDER	.22	.99**	.45	8.23	3.22	5.17	.35	0	0	0	0	0	18.63**
235B	HENNINGER FLATS	.24	1.48	.60	9.78	3.53	5.33	.40	.14	.25	T	T	0	21.75
236B	SAN FERNANDO - MOLLIN GROVES	0	.94	.22	5.77	2.80	4.32	.38	.09	T	0	0	0	14.52
237A	STONE CANYON RESERVOIR	0	1.75	.09	6.37	5.32	4.82	.16	.09	.09	T	.01	T	18.70
238	HOLLYWOOD DAM	0	1.26	.09	5.43	3.34	3.34	.18	.06	.09	T	T	0	13.79
241B	LONG BEACH - VETERANS' MEMORIAL BUILDING	0	1.07	.02	4.91	2.89	2.95	.16	T	.05	.01	.03	0	12.09
246B	CULVER CITY - BUS YARD	0	.91	.13	5.16	3.20	2.79	.08	0	T	T	0	0	12.27
250D	ACTON CAMP	0	.75**	.20	3.27	1.73	2.21	0	0	0	0	0	0	8.16**
251	LA CRESCENTA	.02	1.41	.30	9.34	5.14	5.68	.29	.10	.03	0	0	0	22.35
254	PUENTE - ROWLAND RANCH	0	1.25	.15	4.75	2.84**	4.50	.30	0	.04	T	0	0	13.83**
255A	MOUNT SAN ANTONIO COLLEGE - SPADRA	.32	1.12	.31	6.80	2.72	4.13	.23	.02	.05	0	0	0	15.70
256B	POMONA - FIRE STATION	.04	1.06	T	7.46	2.58	3.88	.19	.02	0	0	0	0	15.75
257	GRIFFITH PARK NURSERY	0	1.31	.12	5.32	3.19	3.87	.08	.07	.07	0	0	0	14.03
258A	GRIFFITH PARK TUNNEL	0	1.26	.12	5.08	3.11	3.54	.23	.08	.13	T	0	0	13.55
258B	GRIFFITH PARK - SO. SLOPE MOUNT HOLLYWOOD	0	1.32	.13	5.32	3.00	3.69	.22	.10	.14	T	0	0	13.82
258C	GRIFFITH PARK - NO. SLOPE MOUNT HOLLYWOOD	0	1.34	.13	5.34	3.07	3.66	.22	.10	.17	T	0	0	14.03
259C	CHATSWORTH PATROL STATION	0	2.46	.24	5.72	3.64	3.99	.23	0	0	0	0	0	16.28
261B-E	ACTON - ESCONDIDO CANYON	0	.45	.23	4.02	1.28	2.16	.03	T	T	.01	0	0	8.16
263C	POMONA - MITCHELL	T	.98	.35	6.36	2.91	3.89	.20	0	0	0	T	0	14.69
265C	PUENTE HILLS - WEISEL RANCH	0	.98	.21	6.57	2.94	4.21	.19	0	0	.15	0	0	15.25
266	LEFFINGWELL RANCH - EAST WHITTIER	0	1.24	.19	5.45	2.97	3.91	.18	T	0	.10*	0	0	14.04**
269A	DIAMOND BAR RANCH NO. 1	0	1.24**	.28*	8.09	3.01	4.68	.19	0	0	0	0	0	17.49**
269B	DIAMOND BAR RANCH NO. 2	0	1.24	.28	6.86	3.03	4.65	.19	0	0	0	0	0	16.25
270	COUNTY FARM-RANCHO LOS AMIGOS	0	1.13	.14	4.33	2.93	4.20	.15	0	.08	0	0	0	12.96
271	DOMINGUEZ HILLS	0	1.02	.03	3.40	2.15	3.45	.07	0	0	0	0	0	10.12
272B	LOS ANGELES - HEADWORKS PUMPING PLANT	0	1.43	.09	5.22	3.34	4.08	.14	.04**	.04	0	0	0	14.38**
273C	SAN PEDRO HILLS - WALLACE	0	1.22	.12	5.25	3.35	4.31	.05*	0	0	0	0	0	14.30**
274	ACTON - HUBBARD	0	.42	.26	3.90	1.17	2.05	0	0	0	0	0	0	7.70
275	SAN MARINO HUNTINGTON LIBRARY	.12	1.36	.36	5.98	3.56	4.11	.24	.04	.16	T	0	0	15.93
277	SAWMILL MOUNTAIN RANCH	T	2.16	.44	7.30	3.22	5.55	.09	.19	0	0	0	0	18.95
278B	LOS ANGELES - CLARK MEMORIAL LIBRARY	0	1.17**	.05	4.66	3.80	3.32	.11	0	0	0	0	0	13.11**
279C	PASADENA GLEN - WEIDEN	.80	1.26	.48*	8.23	3.35	5.54	.27	.17*	.31*	0	0	0	20.41**
280B	FLINTRIDGE FIRE STATION	0	1.45	.35	7.10	3.62	4.71	.24	.09	.04	0	0	0	17.60
283B	CRYSTAL LAKE - EAST PINE FLATS	T	2.20	.34	12.70	4.33	10.56	.17	0	0	.05	0	.07	30.42
284	PLACERITA CANYON	0	1.50**	.09	5.95	2.60	5.14	.14	0	.03	0	0	0	15.45**
285C	MOUNT ST. MARY'S COLLEGE	0	1.80**	.11	6.03	5.55	4.86	.25	0	.06	0	0	0	18.66**
287	GLENDORA - MUTUAL CONSOLIDATED IRRIGATION CO.	.16	1.22**	.45	7.70	4.44	5.31	.30	.03	.08	0	0	0	19.69**
289	LAGUNA-BELL - S.C.E. CO. SUBSTATION	0	1.13	.10	4.63	2.45	3.61	.15	0	0	0	0	0	12.26
290B	MONTEREY PARK - FIRE STATION	0	1.29	.08	4.95	3.79	3.43	.15	0	0	0	0	0	13.70
291	LOS ANGELES - 96TH AND CENTRAL	0	1.25	.08	4.28	3.29	3.44	.08	0	.01*	0	0	0	12.43**
292B-E	ENCINO RESERVOIR NO. 2	0	1.69	.09	4.65	3.57	4.97	.09	.06	0	T	0	0	15.12
293-E	LOWER SAN FERNANDO RESERVOIR	0	1.00	.19	5.77	2.85	3.94	.24	.02	.01	0	0	T	14.02
294	SIERRA MADRE - MIRA MONTE PUMPING PLANT	.53	1.50	.46	7.65	3.62	4.86	.33	.10	.31	0	0	0	19.38
295G	GLENDALE - STAPENHORST	0	1.20	.14	5.24	3.08	4.25	.13	.07	.06	T	0	0	14.17
298B	GORMAN	0	2.16	.10	3.23	1.57	2.21	0	.31	0	0	0	0	9.58
299C	LITTLE ROCK	0	.30	.02	3.21	.94	1.18	0	0	0	.17	0	0	5.82
303F	PASADENA - CAL TECH	0	1.38	.33	6.64	3.52	4.09	.24	0	.14*	T	T	0	16.34**
304	SAWPIIT CANYON - DEER PARK	.07	2.07	.62	12.10	4.34	6.74	.46	.19	.21	0	T	0	26.80
306C	TRANCAS BEACH	0	2.03	.40	4.52	4.69	4.27	.29*	.04*	.02	0	.16*	0	16.42**
307	SNOW CREST CAMP	.55*	1.81*	.56*	14.58	4.28**	11.11	0	0	0	.58	0	0	33.47*
311B	PASADENA METEOROLOGICAL STATION	T	1.30	.37	5.81	3.16	4.34	.24	.06	.12	T	T	0	15.40
312	AZUSA PLANT - GLENDORA IRRIGATION CO.	T	1.26**	.48	7.98	3.58**	4.19	.19	.03*	.05	0	0	0	17.66**
321-E	PINE CANYON PATROL STATION	0	1.39	.29	5.28	3.30	5.03	.13	.06	0	.01	0	0	15.49
322	MINZ VALLEY RANCH	0	.75**	.17	3.33	1.62	2.29	0	0	0	0	0	0	8.16**
334B-E	COGSWELL DAM	.01	2.16	.26	11.72	4.67	8.62	.23	T	0	T	0	0	27.67
336	SILVER LAKE RESERVOIR	0	1.29	.11	4.58	3.42	3.58	.12	0	.03	0	T	0	13.13
338A	MOUNT WILSON - OBSERVATORY	.28	2.54	.36	13.51	4.35	8.46	.35	.08	0	T	T	0	29.93
338B	MOUNT WILSON - AIRWAYS STATION	.27	2.02	.31	13.17	3.33	6.81	.38	.08	0	T	T	0	26.37
339	WALNUT FRUIT GROWERS ASSOCIATION	T	1.35	.27*	6.56	2.98	4.21	.18	0	0	.03	0	0	15.58**
341	ALISO CANYON - BLUM RANCH	0	.71	.19	3.76	1.56	2.23	0	0	0	T	0	0	8.45
342	UPLAND - CADNUM	.15	.95	.48	9.06	2.98	5.22	.20	0	0	0	T	0	19.04
343B	RIVERA - TELEGRAPH ROAD	0	1.14	.14	4.64	3.03	4.20	.22	0	0	.08	0	0	13.45
347-E	BALOWIN PARK EXPERIMENTAL STATION	.30	1.24	.30	5.65	3.48	4.29	.22	T	.12	0	0	0	15.60
349B	CAMP RINCON	.02	1.60	.37	11.81**	5.27	7.56**	.16	0	0	0</			



TABLE V  
SEASONAL 1963-64 MONTHLY RAINFALL SUMMARY  
RAINFALL RECORDS IN INCHES

STA. NO.	STATION	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	SEAS. TOTAL
617B	POMONA - ADAMSON	.09	1.11	.42	7.80	2.80	4.36	.17	.02	.03	T	T	T	16.80
618B	TAPO CITRUS ASSOCIATION	0	1.80	.20	4.78	2.28	3.08	.23	0	0	0	0	0	12.37
627	SIERRA POWER HOUSE - SAN ANTONIO CANYON	.65	1.39	.64	13.66	5.02	7.84	.14	.02	T	.04	.09	0	29.53
629C	SAN GABRIEL CANYON POWER HOUSE	.02	1.58	.52	8.58	3.73	4.72	.23	.12	.17	.02	0	0	19.69
634B	SAN PEDRO U.S.W.B.	0	.98	.05	5.21	2.41	3.03	.22	.01	T	T	.01	0	11.92
644	SANTA MONICA - CITY HALL	0	1.34	.12	4.50	4.23**	3.52	.16	T	T	0	0	T	13.87**
647G	SUNLAND - SNYDER RANCH	0	2.08	.10	5.38	5.33	3.90	.35	0	0	0	0	0	17.14
650B	SUNLAND - TUJUNGA	0	1.42	.25	6.22	2.46	5.54	.19	.11	0	0	0	0	16.19
660	UPLAND - BAIRD	.20	1.03**	.55	9.81	3.44	5.85	.15	0	.01	0	.01	0	21.05**
662	OXNARD	0	2.15	.21	3.81	4.65	4.79	.27	.07	0	0	0	0	15.55
666	LONG BEACH - 37TH & GAVIOTA	0	1.40	.03	4.86	3.90	4.73	.11	T	.03	T	.01	0	15.07
672	LONG BEACH - SOUTH & LEMON	0	1.26	T	3.59	2.72	3.56	.10	T	.03	T	.01	0	11.29
673B	EAGLE ROCK - S.C.F. CO. SUBSTATION	0	1.34	.31	5.58	3.06	4.05	.25	.08	.15	T	0	.01	14.83
676	SEAL BEACH - POWER PLANT	0	.92	.11	3.69	2.18	2.99	.10	0	.05	0	0	0	10.04
677C	LOS ANGELES - WEST BOTH STREET	0	1.23	.14	4.42	3.94	3.57	.08	.03	T	.03	T	T	13.44
678	PASADENA - HOFFNER	0	1.35**	.35	6.54	3.06	4.27	.28	.08	.15	T	0	0	16.08**
679	PASADENA - SHELDON RESERVOIR	0	1.33	.36	6.30	3.00	4.60	.28	.09	.18	T	T	T	16.14
680	PUEBLO - NO. WHITTIER HEIGHTS CITRUS ASSOCIATION	0	1.34	.14	6.40	3.29	4.74	.24	0	.02	.08	0	0	16.25
689	WESTWOOD - U.C.L.A.	0	1.47	.09	5.91	6.35	3.97	.21	.03	.02	T	T	T	18.05
681A	SIERRA MADRE RANGER STATION	.46	1.69	.55	6.72	3.83	5.23**	.29	.11	.22	0	0	0	19.10**
683	SUNSET RIDGE GUARD STATION	0	3.20	.80	5.13	2.81	3.76	.30	.05	0	0	0	0	16.05
689B	SAN MARINO - COOPER	.04	1.31	.32	6.54	3.76	4.19	.27	.07	.28	0	0	0	16.78
691	SAN ANTONIO SPREADING GROUNDS	.38	1.06	.62	10.52	3.23	5.31	.20	0	.02	0	0	0	21.34
695B	TUJUNGA CANYON - VOGEL FLAT	0	2.52	.30	9.50	4.25	7.24	.27	0	0	0	0	0	23.76
696	PASADENA GLEN	.66	1.34	.49	8.39	3.34	5.42	.40	.17	.31	0	0	0	20.52
703	GLENDALE - MCINTYRE	0	1.21	.17	4.97	2.69	3.90	.15	.07	.08	0	0	0	13.24
705	ALDER CREEK - PARADISE RANCH	0	1.21	.33	6.71	2.36	5.12	.36	.13	0	0	0	0	16.24
706	RIVERA - HADLEY RANCH	0	1.08	.10	4.73	3.23	4.22	.19	0	0	0	0	0	13.55
715B	LOS ANGELES POST OFFICE TERMINAL BUILDING	0	1.42	.06	4.64	3.40	3.40	.11	0	.04	0	0	0	13.07
716	L.A.W.D. - DUCOMMUN STREET	0	1.34	.06	4.83	3.60	3.37	.11	0	.05	0	0	0	13.36
718	THOUSAND OAKS	0	1.82	.10	4.09	3.14	3.80	.14	.08	0	0	0	0	13.18
719	OUARTE - MADDOCKS RANCH	.09	1.33	.45	7.44	3.36	4.25	.18	.07	.12	0	T	T	17.29
720	SIMI VALLEY - SMITH RANCH	0	2.85	.27	4.61	3.20	4.15	.30*	0	0	0	0	0	15.38**
722B	BELLEVUE - STRATMAN	0	.59	.15	4.65	2.52	2.71	T	0	0	0	0	0	10.62
723	STONE CANYON - SAN FERNANDO VALLEY	0	1.55	.07	6.08	4.51**	4.93	.14	.03	.01	0	0	0	17.32**
724	BIG DALTON - MONROE CANYON FLUME	.21	1.35	.54	11.30	4.38	5.52	.22	.02	0	0	0	0	23.54
725	BIRMINGHAM HOSPITAL	0	1.43**	.15*	5.15	2.97	4.35	.05	.02*	0	.02*	0	0	14.15**
726	ANGELES CREST - GUARD STATION	0	1.67	.65	11.04	4.74	6.22	.48	.12	.15	T	0	T	25.07
727	NEWCOMB PASS	.35*	2.56	.45	15.90	5.94**	9.88	.36	.05	0	0	0	0	35.49**
728	PACOMA CANYON - CITY ROAD GAGE	0	1.67	.64	11.68	4.49	7.47	.55	.18	.39	0	0	0	27.07
730	MILLARD CANYON - DAWN MINE	0	1.67	.47	9.82	3.48	6.14	.38	.16	.35	0	0	0	22.47
731	OAK GROVE HEADQUARTERS U.S.F.S. FLOOD CONTROL	0	1.35	.39	6.66	2.71	4.24	.23	.07	.30	0	0	0	15.95
732B	ROBERT'S CANYON - SAN GABRIEL WEST FORK DIVIDE	.38	1.77	.21	9.61	3.83	7.06	.19	T	0	T	T	T	23.05
734	LOS ANGELES MUNICIPAL AIRPORT	T	1.23	.06	4.78	3.36	2.60	.11	.02	.01	.01	.04	T	12.21
735	BELL CANYON - PLATT RANCH	0	2.19	.15*	4.53	2.78	3.60	.15	.05*	0	0	0	0	13.45**
737	UPPER SESPE - CHORO GRANDE RANCH	0	3.29	.05	5.95	3.69	5.09	.20	T	0	0	0	0	18.27
739	SANTA PAULA - LIMONERA RANCH	0	2.04	.08	5.23	3.68	4.04	.43	.01	0	0	0	0	15.51
740B	SAN DIMAS CANYON - FERN. NO. 2	.86	1.56	.44	15.14	4.77	7.73	.25	0	0	0	0	0	31.10
741	SAN DIMAS CANYON - UPPER EAST FORK	.54	1.30	.44	11.84	3.88	6.43	.27	T	0	0	0	0	24.70
742B	SAN GABRIEL - FIRE DEPARTMENT	.09	1.29	.25*	5.31	3.35	3.85	.15	0	.06	T	T	T	14.35**
746	MAHAVE - BACKUS RANCH	0	.33	.08	1.76	.82	1.07	0	0	T	0	T	T	4.06
747	SANDBERG - AIRWAYS STATION	.01	1.97	.15	4.90	1.91	1.25	.07	.09	T	T	T	T	10.35
749	BURBANK - U.S.W.B.	T	1.13	.14	4.47	3.05	3.47	.16	.07	.05	T	T	T	12.54
750	PALMDALE - C.A.A.C. STATION	0	.19	.05	3.15	.84	1.29	0	0	T	0	0	0	5.52
751	TORRANCE - FIRE DEPARTMENT	0	.92	.04	4.00	2.07	3.00	.08	T	0	0	T	T	10.11
752	MONROVIA - GEARY	.38	1.59	.42	6.34	3.86	4.78	.26	.12	.34	0	0	0	18.09
755	GRIFFITH PARK - LITTLE CANYON	0	1.33	.12	5.69	3.31	4.28	.13	0	0	0	0	0	14.86
756	GRIFFITH PARK - UPPER SPRING CANYON	0	1.23	.07	5.51	2.98	3.71	.17	0	0	0	0	0	13.67
757	GRIFFITH PARK - FERN DELL	0	1.24	.07	4.96	2.93	3.30	.15	0	0	0	0	0	12.65
758	GRIFFITH PARK - LOWER SPRING CANYON	0	1.31	.10	5.44	3.20	3.93	.12	0	0	0	0	0	14.10
759	HOLLYWOOD - 1736 COURTYNE AVENUE	0	1.06	.04	5.34	3.74	3.38	.15	0	0	0	0	0	13.31
760	STUDIO CITY - 3913 GOODLAND AVENUE	0	1.56	.05	5.37	3.48	3.96	.07	0	0	0	0	0	14.29
761	STONE CANYON - NORTH	0	1.50	.07	5.79	3.86	4.59	.17	0	0	0	0	0	15.95
762	UPPER STONE CANYON	0	1.59	.06	6.12	4.50	4.47	.45	0	0	0	0	0	16.89
763B	SEPULVEDA CANYON - EAST FIRE ROAD NO. 19	0	1.68	.10	5.97	4.66	4.75	.22	0	0	0	0	0	17.38
764	STONE CANYON - 2302 RAIL LANE	0	1.62	.09	6.14	3.95	4.44	.16	0	0	0	0	0	16.40
765B	15801 MULHOLLAND DRIVE - KIRKMAN	0	1.81	.11	6.05	4.41	5.14	.21	0	0	0	0	0	17.73
766	MANDEVILLE CANYON - FIRE ROAD NO. 24	0	1.89	.10	5.47	4.67	4.99	.10	0	0	0	0	0	17.22
767	3351 MANDEVILLE CANYON ROAD	0	1.84	0	5.44	5.49	5.37	.19	0	0	0	0	0	18.33
768	SULLIVAN CANYON - FIRE ROAD NO. 26	0	1.37	.08	5.05	3.71	4.50	.13	0	0	0	0	0	14.89
769	SANTA YNEZ CANYON - TEMESCAL FIRE ROAD NO. 30	0	1.75	.08	5.29	4.24	4.54	.10	0	0	0	0	0	16.00
770	SANTA YNEZ CANYON - PASEO MIRAMAR	0	.77	.11	4.67	3.08	3.01	.10	0	0	0	0	0	11.74
771	RUSTIC CANYON - SANTA MONICA MOUNTAINS	0	1.12	.10	4.69	5.40	3.76	.15	0	0	0	0	0	15.24
772	ECHO PARK AND LUCRETIA - LOS ANGELES	0	1.10	.08	4.40	3.16	3.19	.08	0	0	0	0	0	12.01
774	BARLOW SANITARIUM	0	1.17	.04	4.60	3.04	3.24	.06	0	0	0	0	0	12.15
775	8TH & CROCKER STREETS - LOS ANGELES	0	1.22	.05	4.21	3.52	3.06	.10	0	0	0	0	0	12.16
776	NICHOLS CANYON - NEAR MULHOLLAND DRIVE	0	1.45	0	6.83	4.05	4.33	.21	0	0	0	0	0	15.87
777	KENTER CANYON - 259 NORTH KENTER	0	1.34	0	4.54	5.81	4.09	.22	0	0	0	0	0	17.00
778B	SEPULVEDA CANYON - 11817 BELLAGIO ROAD	0	1.42	0	5.26	6.25	4.45	.18	0	0	0	0	0	17.56
779	GRIFFITH PARK - LOWER MINERAL WELLS	0	1.34	.09	5.73	3.54	4.44	.10	0	0	0	0	0	15.24
780	GRIFFITH PARK - UPPER MINERAL WELLS	0	1.31	.09	5.71	3.23	4.07	.10	0	0	0	0	0	14.51
783	COON CANYON	0	1.26	.39	7.70	3.25	4.67	.25	.13	.19	0	0	0	17.84
784	COON CANYON	0	1.25	.40	8.00	3.04	4.62	.28	.16	.21	0	0	0	17.96
785	COON CANYON	0	1.29	.42	9.47	3.20	4.91	.30	.14	.17	0	0	0	19.90
786	COON CANYON	0	1.19	.50	7.60	2.98	4.66	.31	.10	.21	0	0	0	17.55
787	COON CANYON	0	1.32	.48	8.02	3.22	4							

TABLE V  
SEASONAL 1953-54 MONTHLY RAINFALL SUMMARY  
RAINFALL RECORDS IN INCHES

STA. NO.	STATION	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	SEAS. TOTAL
1006	SAN PEDRO - CITY RESERVOIR	0	.87	.01	4.55	2.10	3.71	0	0	0	0	0	0	11.24
1007B	CAMP VALCREST - ANGELES CREST HIGHWAY	0	1.56**	.41	8.41	3.10**	6.31	0	0	0	0	0	0	19.79**
1008-E	LA FRESA - S.V.C.E. CO. SUBSTATION	0	.92**	.06	4.57	2.22	2.95	.13	0	.01	T	.01	0	10.87**
1009	WINT CANYON - DYER	0	.97	.15	4.37	1.78**	3.38	.07	0	0	0	0	0	10.72**
1010B	PALMER CANYON - FORKES	.55	1.19	.64	12.26	3.74	5.94	.22	0	.05	0	0	0	24.59
1011	SAN PEDRO HILLS - SWAFFIELD	T	1.28	.13*	5.32	3.56	3.16	0	0	0	0	0	0	13.45**
1012	CASTAIC JUNCTION	0	1.15	.03	5.45	2.53	2.52	.20	0	0	0	.02	0	11.90
1013B	TUJUNGA CANYON - ABOVE GOLD CANYON	0	1.42	.39	7.03	2.49	5.01	.25	.07	0	0	0	0	16.66
1014D-E	RIO HONDO SPREADING GROUNDS	0	1.14	.12	4.68	2.77	4.05	.16	0	0	.01	0	0	12.93
1016	PALO COMADO CANYON - AGOURA	0	1.71	.12	4.11	3.56	3.78	.17	.16	0	0	0	0	13.61
1017	LITTLE ROCK CREEK - ABOVE SANTIAGO CREEK	0	.43	.12	3.36	1.78	1.88	0	0	0	.30*	0	0	7.87**
1018	OAT MT. - DEVIL'S CANYON	0	2.82	0	5.34	3.40	3.55	.33	0	0	0	.02	0	19.66
1019	SANTA SUSANA MTS. - SALT CANYON	0	1.85	0	12.22	5.13	5.40	.50	0	0	0	.06	0	25.16
1020	PADUA HILLS PATROL STATION	.41	1.04	.58	11.19	3.38	5.29	.19	T	.01	0	0	0	22.09
1021	YERBA BUENA WATER TANK	0	.80	.25	6.57	3.85	7.40	.49	.12	.04	0	0	0	19.52
1022	HASLEY CANYON - WESTERN GULF OIL CO.	0	1.27	.06	5.72	2.40	3.52	.35	0	0	0	0	0	13.32
1023B	GARRAPATA CANYON - SPEER	0	1.53	.10	5.85	4.13	5.23	.14	.05	0	0	0	0	17.03
1024B	TOPANGA - DE WITT	0	1.85**	.09**	6.06**	4.33	5.35	.14*	.05*	0	0	0	0	17.87*
1025	MALIBU BEACH - DUNNE	0	1.88	.22	4.70	4.95	4.14	.27	.03	.08	0	0	0	16.27
1028	CORRAL CANYON - STEWART	0	1.51	.18	5.64	5.79	5.51	.59	.57	.14	0	0	0	19.93
1029	TUJUNGA MILL CREEK SUMMIT	0	1.16	.40	7.76	3.88**	3.69**	.19*	.04*	0	.11*	0	0	17.23**
1030	MT. ISLIP - LITTLE JIMMY SPRINGS	.01	2.09	.16	17.76	6.54	14.45	.81	0	0	0	0	0	41.82
1031	WATERMAN MOUNTAIN	0	1.17	.12	8.65	2.43	6.07	.08	0	0	.05	0	0	18.63
1034	SANTA CLARA - 65 RANCH AIRPARK	0	1.08	.05	4.44	1.75**	3.00	.06	0	0	0	0	0	10.38**
1035	WHITTIER - WOOD	0	1.34	.13	5.24	2.90	4.24	.23	T	0	0	0	0	14.08
1036	LITTLE TUJUNGA CANYON	0	1.36	.39	8.25	3.37	5.58	.46	.15	0	0	0	0	19.56
1037-E	ARCADIA - ARBORETUM	1.05	1.38	.40	5.97	3.33	4.04	.24	.01	.15	T	T	0	16.57
1038	PACIFIC MOUNTAIN	0	1.32*	.30*	6.93	2.87	4.51	.12	0	0	.15	0	0	16.20**
1039	LOS ANGELES - MACQUEEN	0	1.26	.10	4.57	3.53	3.98	.25	.03	.08	0	0	0	14.80
1040	POTRERO CANYON - SUNRAY OIL CORP.	0	1.14	0	5.29	3.20	3.17	.24	T	0	0	.03	0	13.07
1041B	SANTA FE DAM	.21	1.03	.12	4.81	3.17	3.39	.18	0	.04	T	T	0	12.95
1042	EASTFIELD GATE - ROLLING HILLS	0	1.46	.14	6.86	3.48	4.54	0	0	0	0	0	0	16.48
1043	EAST CREST GATE - ROLLING HILLS	0	1.14	.06	4.87	3.24	4.01	0	0	0	0	0	0	13.32
1044	PORTUGUESE BEND	0	1.07	.04	4.17	1.96	3.74	0	0	0	0	0	0	10.98
1045	WEST GATE - ROLLING HILLS	0	1.15	.04	3.71	1.86	3.38	.05*	0	0	0	0	0	10.19**
1046	RIO SANTA ANITA	.40	1.85*	.75*	10.14	4.36	6.45	.39	.06	.14	0	0	0	24.54**
1047	PUENTE - REINHARD	.15	1.30	.37	5.83	3.07	4.33	.20	0	.12	0	0	0	15.37
1048	LA CRESCENTA - COUNTY ROAD DEPARTMENT	.00	1.63	.29	8.01	4.47	5.83	.29	.08	0	0	0	0	20.67
1049	RURBANK LEGION RIFLE CLUB	0	.99**	.17	4.43	2.77**	3.44	.16*	.07*	.05*	T*	T*	0	12.08**
1050	OLD TOPANGA CANYON - GRAY	0	2.31	.08	6.43	5.28	5.76	.15	.17	.02	0	0	0	20.20
1051	CANOGA PARK PIERCE COLLEGE	0	1.18	.11	4.45	2.87	3.37	.10	.01	0	T	T	T	12.09
1052	CAMP JOSEPHO	0	1.71	.10*	7.12	6.15	5.13	.26	.08	.10	0	0	0	20.65**
1053	TUJUNGA CANYON - SOLOMON	0	1.40	.30	6.44	2.46	4.30	.16	.06*	0	0	0	0	15.12**
1054	VETERANS' HOSPITAL - SAN FERNANDO	0	.93	.25	6.51	3.06	4.59	.44	.10	.08	0	0	0	15.96
1055	SAN ANTONIO DIVIDE	.03	2.10	1.24	17.21	5.03*	13.07*	.20*	0	0	.68*	0	0	39.56*
1056	LANCASTER - MCCARGAR	0	.15	.28	2.49	.40	.88	0	0	0	0	0	0	4.20
1057	WHITTIER NARROWS - ABOVE DAM	.10	1.52	.21	5.22	3.28	3.67	.23**	0	0	0	0	0	14.23**
1058	PALMDALE - 2 N. E.	0	.18	.02	3.45	1.22	1.47	0	0	0	0	0	0	6.34
1059	SOUTH HAWKINS	.03	INC.	INC.	INC.	INC.	INC.	INC.	0	0	.10	T	T	INC.
1060	LITTLE ROCK - SYCAMORE CAMP	0	.94	.12	5.38**	2.35	3.07	0	0	0	.24	0	0	12.08**
1061	SPRINKS CANYON	.16	1.46	.49	8.39	3.50	4.29	.20	.03	.12	0	0	0	18.64
1062	BUCKHORN	T	2.16	.22	11.09	3.12	7.78	.10	0	0	.07	0	0	24.54
1063	SOLEDAD PASS	0	.46	.15	3.17	1.22	2.61	0	0	0	0	0	0	7.61
1064	SAN GABRIEL EAST FORK - DOT MINE	.06	2.33	.36	8.90	2.67	7.95	.15	T	0	0	0	0	22.42
1065	WEST SADDLE PEAK	0	2.12	.09	6.68	5.64	5.87	.19	.21	.08	T	T	T	20.88
1066	LONG BEACH - WOODRUFF AVENUE	0	1.08	.05	5.33	3.08	3.95	.11	T	.04	T	.01	0	13.65
1067	SANTIAGO CANYON	0	.86	.12	4.86**	2.45	3.33	0	0	0	0	0	0	11.62**
1068	RATTLESNAKE CANYON - CAMP NO. 3	0	2.12**	.20	7.52	7.02	5.15	.43	.19	0	0	0	0	22.63**
1069	SAN GABRIEL - EAST FORK TUNNEL	.10*	3.48	.64	10.10	1.74	8.45	.32	T	T	.13*	.07*	0	25.03**
1070	MANHATTAN BEACH	0	1.23*	.04	4.85	2.25	2.59	.12	.02	T	T	.13	0	11.23**
1071-E	DESCANSO GARDENS	0	1.35**	.34	6.34	3.14	4.33	.29	.09	.06	T	0	0	15.94**
1072	LITTLE TUJUNGA RANGER STATION	0	1.01**	.30	5.27	2.08	4.00	.29	.10	T	0	0	0	13.05**
1073	PALMDALE - CIRCLE C	0	.30	.05	3.92	1.20	1.75	0	0	0	.08	0	0	7.30
1074	LITTLE SLEASON	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	0	INC.
1075	UPPER WOLFESKILL CANYON	.59*	1.28*	.69*	13.66	4.07	6.20	0	0	0	0	0	0	26.49**
X6	ENCINO	0	1.97	.09	5.26	4.27	5.58	.11	.07	0	T	0	0	17.35
X9B	LANCASTER - KALPAKOFF	0	.32	.12	3.51	1.51	1.29	0	0	0	0	0	0	6.75
X10	FAIRMONT - BARNES	0	1.10	.25	3.46	1.44	2.46	.01	0	0	0	0	0	8.72
X11	BORON - HORTON	0	.10	.08	1.93**	.65**	.84	0	0	0	.41	0	0	4.01**
X12	WILSONA - FITCH	0	.18	.05*	2.85	.26	.91	0	0	0	.38	0	0	4.63**
X15	HIL VISTA - CARD	0	.20	.10	2.14	.62	.88	0	0	0	.40	0	0	4.34

## LEGEND

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

TABLE VI  
SEASONAL 1954-55 MONTHLY RAINFALL SUMMARY  
RAINFALL RECORDS IN INCHES

STA. NO.	STATION	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	SEAS. TOTAL
2B	ESCONDIDO CANYON	0	1.63	1.36**	4.61	1.19	.96	4.58	1.19	0	0	0	0	15.52**
3B	SEMINOLE HOT SPRINGS	0	2.37	1.63	4.79	1.46	.55**	3.46	3.01	0	0	.04	0	17.35**
5B	CALABASAS	0	2.49	1.10	5.26	1.41	.32	3.32	1.28	.02	0	.02	0	15.24
6	TOPANGA PATROL STATION	0	2.53	1.64	7.01	1.55	1.85	4.39	1.07	0	0	0	0	20.25
9B	SEPULVEDA AND RAYEN	0	1.66*	.70	5.46	1.07	0	2.76	1.12	0	0	0	0	12.77**
10	BEL AIR HOTEL	0	1.82	1.64	5.59	.87	.61	2.88	.62	0	0	.02	0	14.03
11C	UPPER FRANKLIN CANYON RESERVOIR	0	1.86	1.62	6.14	1.26	.41	2.75	1.07	0	0	.01	T	15.12
12	FRANKLIN CANYON - MULHOLLAND HIGHWAY	0	1.60	1.57**	5.92*	1.27	.45	2.67	.65	0	0	0	0	14.13
13	NO. HOLLYWOOD - BLIX	0	1.46	1.36	5.84	1.07	.35	1.25	2.74	0	0	.07	0	14.14
14	ROSCOE - MERRILL	0	1.45	.74	4.95	.95	.36	1.10	2.77	0	0	.06	T	12.38
15	VAN NUYS - CITY WAREHOUSE	0	1.56	1.04	5.32	1.07	.64	1.31	2.29	T	0	.05	0	13.48
17	SEPULVEDA CANYON - MULHOLLAND HIGHWAY	0	1.70	1.67	5.92	1.23	.63	3.05	.68	0	0	0	0	15.08
18C	RESEDA	0	2.03	1.02	5.20	1.20	1.16	2.82	1.34	0	0	.03	0	14.80
20B	GIRARD RESERVOIR	0	2.24	1.16	4.97	1.28	.64	1.82	2.71	0	0	.04	0	14.86
21	BRANT RANCHO - GIRARD	0	1.76**	1.17	4.76	1.02	.53	2.96	.74*	0	0	.03*	0	12.97**
23-E	CHATSWORTH RESERVOIR	T	1.70	1.17	4.71	1.01	.28	1.86	2.43	T	T	T	T	13.18
24D	CHATSWORTH	0	1.13	1.25	5.15	1.03	.27	3.70	.88	0	0	.02	0	13.43
25B	NORTH RIDGE - ANDREWS	0	1.64	1.14	4.95	1.00	.28	1.52	2.11	.03	0	.04	0	12.91
27B	PACOIMA - RADDATZ RANCH	0	1.42	1.14	4.87	1.05**	.36	2.64	1.26	0	0	0	0	12.94**
28D	SAN FERNANDO LEMON ASSOCIATION	0	1.28	1.15	4.64	1.26	.31	3.09	1.28	0	0	0	0	13.63
29B	GRANADA PUMP PLANT	0	2.03	1.41	5.22	1.32	.30	1.73	2.26	.01	0	.08	0	14.36
30B	SYLMAR	0	1.44	1.25	4.64	1.27	.90	1.57	3.22	0	0	.10	0	13.99
31	ORCUTT RANCH	0	2.42	2.27	5.35	2.45	.98	4.87	1.42	0	0	0	0	19.40
32C	NEWHALL - SOLEDAD DIVISION HEADQUARTERS	0	2.03	1.25	4.65	1.44	.18	2.86	1.63	0	0	.08	0	14.34
33A*-E	PACOIMA DAM	0	1.77	1.23	4.40	1.67	.28	3.04	1.88	.01	0	.06	0	14.34
39B	SUNSET DAM	0	2.17	1.14	5.14	1.05	1.04	1.98	2.96	.06	0	.06	0	15.60
42	REDONDO CITY HALL	0	1.66	.96	2.95	.90	.19	1.90	.40	.05	0	0	0	9.01
43A	PALOS VERDES ESTATES - FIRE STATION	T	1.56	.91	2.89	1.03	.27	1.98	.64	.14	0	0	0	9.42
43B	PALOS VERDES GOLF CLUB	0	1.95	.93	3.46	1.16	.25	2.00	.35	.03	0	0	0	9.75
44	POINT VICENTE LIGHTHOUSE	0	1.44	.65	2.72	1.10	.11	1.98	.55	.15	.01	0	.01	8.32
46D-E	BIG TUJUNGA DAM NO. 1	0	2.32	1.97	7.95	2.11	.65	3.57	2.96	0	0	.11	0	20.66
47A	CLEAR CREEK - CITY SCHOOL	0	2.66	2.36	6.46	2.65	.86	3.48	2.50	0	0	.15	0	21.12
47C	CLEAR CREEK	0	2.45	2.19	7.87	2.73	.87	3.56	2.31	0	0	.16	0	22.18
48B	OAK WILDS	0	2.41*	1.62	5.76	1.61	.56	2.86	1.26	.23	0	0	0	16.95**
50B	LA CANADA - ARROYO SECO	0	2.16	1.36	5.57	1.66	1.17	1.96	2.31	T	0	0	0	16.21
51	FALLING SPRINGS	0	5.00	2.70	7.16	2.68	1.26	2.16	3.30	.06	0	.09	0	24.43
52B	SWITZER'S CAMP	0	2.24	2.21	6.26	2.50	1.11	3.08**	2.57	0	0	T	0	19.97**
52C	WATERMAN GUARD STATION	0	2.42	2.28	7.02	2.76	1.04	3.37	2.27	0	0	.15	0	21.31
53D	COLEBY'S	0	2.46	2.24	6.62	2.35	.60	2.32	1.91	0	0	.15	0	18.65
54C	LOOMIS RANCH - ALDER CREEK	0	2.36	1.44	4.85	1.30	.56	1.24	1.60	0	0	.19	0	13.58
57B-E	OPID'S	0	3.00	2.63	9.76	3.50	2.11	4.31	2.16	0	0	.12	0	27.59
58	STURTEVANT CAMP	0	2.15	2.33	8.40	3.38	2.06	2.85	2.69	.07	0	.06	0	23.99
60A	HOEGEE'S	0	3.22	2.07	5.08	3.03	2.30	2.81	2.51	.06	0	.07	0	25.15
63B-E	BIG SANTA ANITA DAM	0	2.06	1.43	6.40	1.51	2.26	1.93	1.86	.04	0	.05	0	17.57
66	SIERRA MADRE - PEGLER RANCH	0	2.30	1.26	5.73	1.15	1.58	1.86	1.50**	0	0	.04	0	15.39**
68B	SAWPIT DAM	0	2.56	1.56	6.43	1.50	3.42	1.97	2.25	.06	0	.03	0	15.78
68B	SAWPIT CANYON	0	2.70	1.70	7.07	1.57	3.07	2.25	2.51	.06	0	.07	0	21.00
70B	ROGER'S CANYON - GOEDERT	0	2.46	1.40	5.99	1.57	1.60	2.01	1.97	0	0	0	0	16.63
73	GLENDORA - ENGLISH RANCH	0	2.76	1.55	5.84	1.44	2.00	2.34	1.68	.05	0	.04	0	17.72
76B	SAN GABRIEL DAM NO. 1 CAMP	0	2.97	2.00	7.27	2.45	1.01	2.34	1.96	0	0	.13	0	20.19
80B	PRAIRIE FORK	0	4.55	2.97	7.15	2.83	.99	1.36	2.67	0	0	0	0	21.56
81B	VINCENT GULCH	0	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	0	0	.27	0	INC.
82D	TABLE MOUNTAIN	0	2.99	2.16	7.39	1.46	.27	.89	1.02	0	.13	.15	0	16.46
83	BIG PINES RECREATION PARK	0	3.37	2.75	8.44	2.11	.62	1.46	2.02	0	.04	0	0	20.83
85F	CAMP BALDY GUARD STATION	0	3.13	2.65	7.63	2.72	.61	.80	3.52	0	0	T	0	21.06
87	SAN DIMAS GUARD STATION	0	2.64	1.69	6.19	1.60	.78	1.82	1.63	T	0	T	0	16.35
89-E	SAN DIMAS DAM	0	2.60	1.55	5.61	1.56	.85	1.46	1.41	.02	0	T	0	15.08
90	ELDER RANCH	0	2.52	1.64	5.62	1.72	.90	1.44	1.55	0	0	0	0	15.39
91	INDIAN HILL - CLAREMONT	0	2.23	1.40	4.52	1.31	1.27	1.07	1.58	.02	0	0	0	13.40
92	CLAREMONT - POMONA COLLEGE	0	2.20	1.34	5.03	1.10	.77	.93	1.24	.03	T	T	0	12.64
93B	CLAREMONT FIRE STATION	0	2.17	1.32	5.22	1.10	.70	.79	1.08	.02	0	0	0	12.40
94B	CHARTER OAKS - MAYO	0	2.30	1.36	5.26	1.23	1.02	1.66	1.24	0	0	0	0	14.09
95	SAN DIMAS FIRE WARDEN	0	2.36	1.47	5.22	1.14	.83	1.28	1.05	0	0	0	T	13.29
96B-E	PUDDINGSTONE DAM	0	2.19	1.42	4.49	1.12	.64	1.16	1.11	.02	0	0	0	12.17
98	AZUSA - HIBSCH	0	2.20	1.40	5.42	1.16	1.07	1.64	1.28	0	0	0	0	14.19
99	AZUSA - FOOTHILL RANCH	0	2.09	1.40	5.45	1.26	1.26	1.54	1.68	0	0	0	0	14.88
101	WEST COVINA - HURST RANCH	0	1.92	1.17	5.01	.67	.64	1.66	.91	0	0	.05	0	12.03
102B	WALNUT - SO. HILLS PATROL STATION	0	1.58	1.10	5.08	1.26	.45	1.54	1.26	0	0	0	0	12.27
104	NO. WHITTIER - COLE RANCH	0	1.66	1.24	5.94	1.32	.33	2.00	.98	0	0	0	0	13.47
106C	WHITTIER CITY HALL	0	1.50	.80	4.94	1.09	.32	1.78	1.04	0	0	0	0	11.47
107C	DOWNY - FIRE STATION	0	1.76	.95	5.24	1.04	.24	1.89	.71	.01	T	0	0	11.84
108B	EL MONTE - FIRE STATION	0	1.91	1.21	5.91	1.09	.67	1.67	1.43	.02	0	.01	0	13.92
109D	WEST ARCADIA	0	1.82	1.03	5.56	.99	.72	1.78	1.11	0	0	.06	0	13.07
110	ALHAMBRA - CITY HALL	0	1.53	1.15	5.47	.97	1.06	1.14	2.45	.05	0	0	T	14.24
111	SOUTH PASADENA - CITY HALL	0	1.93	1.16	5.29	.88	.89	1.11	2.56	0	0	0	0	13.82
116C	INGLEWOOD - FIRE STATION	0	1.19	.92	4.26	.84	.19	1.94	.45	0	0	0	0	9.79
117B	COMPTON - FIRE STATION	0	1.30	.94	4.56	1.06	.25	2.03	.80	0	0	0	0	10.51
118B	WILMINGTON	0	1.51	.85	3.62	1.08	.35	2.24	.46	0	0	0	0	10.11
119D	SANTELE - SOLDIER'S HOME	0	1.46	1.42	5.16	.84	.90	2.70	.56	0	0	0	0	13.04
120	VINCENT PATROL STATION	0	.67	.41	3.56	.35	0	.45	.70	0	0	0	0	6.36
121B	LANCASTER HIGH SCHOOL	0	1.71	.13	2.16	.56	T	1.07	.18	0	0	0	0	5.81
122B	LEONIS VALLEY - RITTER RANCH	0	1.90	1.67	5.29	1.42	.02	1.29	.46	0	0	0	0	11.65
124	BOUQUET CANYON RESERVOIR	0	1.54	1.27	4.53	1.77	.07	2.84	.80	0	0	0	0	12.82
125	SAN FRANCISQUITO CANYON - POWER HOUSE	0	1.43	1.28	5.61	2.27	.17	1.29	3.05	.07	0	0	0	15.17
126B	VENICE - FIRE STATION	0	1.30	.95	4.01	.77	.38	1.56	1.30	T	0	.01	0	10.28
127	DRY CANYON RESERVOIR	0	1.23	.64	3.54	1.15	.14	.99	2.25	T	0	0	0	10.14
126B	ELIZABETH LAKE CANYON - WARM SPRINGS CAMP	0	1.61	2.14	7.06	3.19	.34	2.71	2.24	0	0	.05	0	19.34
130B	SANDBERG'S - QUAIL LAKE PATROL STATION	0	2.06	1.19	4.90	1.18	.25	2.16	1.64	0	0	T	0	13.40
134	SAN DIMAS - STEVENS	0	2.13	1.46	6.47	1.21	1.39	1.46	1.27	0	0	0	0	15.41
135	NORWALK	0	1.84	1.19	5.18	1.00	.18	1.91	.98	0	0	0	0	12.28
136B	HOLLYWOOD - CITY ENGINEER	0	1.30	1.19	5.01	.83	.34	2.54	.94	0	0	.03	0	12.18
139	LOS ANGELES WATER DEPARTMENT	T	2.10	1.05	4.98	.70	.60	1.38	2.54	T	0	.04	T	13.39
140	SANTELE	0	1.62	1.36	5.06	.78	.92	2.70	0	0	0	0	0	15.04
143	AZUSA - CITY PARK	0	2.17	1.38	4.90	1.18	.98	2.01	1.12	.02	0	0	0	13.76
144	SIERRA MADRE DAM	0	2.26	1.39	6.12	1.44	2.69	1.77	2.24	T	0	.04	0	17.95
155B	LITTLE ROCK CREEK	0	1.70	.45	4.09	.43	.17	.26	.87	0	0	0	0	7.97
156	LA MIRADA - STANDARD OIL CO.	0	1.32	.82	4.83	1.29	.34							



TABLE VI  
SEASONAL 1954-55 MONTHLY RAINFALL SUMMARY  
RAINFALL RECORDS IN INCHES

STA. NO.	STATION	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	SEAS. TOTAL
175B	ALTA CANYADA - LA CANADA IRRIGATION DISTRICT	0	2.29	1.70	6.71	1.68	1.23	1.10	3.33	.02	0	0	0	18.06
176	ALTADENA - RUBIO CANYON	0	2.23	1.18	6.09	1.45	1.88	2.24	1.69	.01	0	.06	0	16.83
177D	PARADISE DEBRIS BASIN	0	2.16	1.45	5.86	1.83	1.81	2.40	2.36	0	0	0	0	17.39
178B	AZUSA - DOLL	0	1.92	1.26	4.87**	1.22	1.05	1.53	1.25**	0	0	0	0	13.10**
179F	SIERRA MADRE	0	2.07	1.33	5.75	1.20	2.39	1.87	1.95	0	0	.07	0	16.63
181B	BASSETT - CLIFFORD	0	1.62	1.10	5.19	1.15	.89	2.01	.66	0	0	.10	0	12.72
185	GLENDORA - WEST	0	2.53	1.35	5.46	1.27	1.35	1.71	1.60	T	0	T	0	15.25
186C	SAN DIMAS - MORRISON	0	2.26	1.46	5.28	1.07	1.03	1.37	1.10	0	0	T	0	13.57
191B	LOS ANGELES - ALCAZAR	0	1.44	1.02	4.66	1.04	.43	2.11	1.09	0	0	.04	0	13.30
192B	BELL FIRE STATION	T	2.28	.94	5.11	.81	.58	1.36	2.14	.02	0	.06	0	11.81
193	COVINA NO. 2 - TEMPLE	0	1.41	1.03	4.99	.99	.39	1.80	1.16	.01	0	.03	0	11.81
196B	LA VERNE - POLICE DEPARTMENT	0	2.15	1.39	4.88	1.14	.87	1.31	1.23	T	0	T	0	12.97
198B	BRAND DEBRIS BASIN	0	2.10	1.14	4.79**	1.18**	.75	1.16	1.21**	0	0	0	0	12.33**
199B	HUNTINGTON PARK - CITY YARD	0	1.98	1.10	4.96	1.11	.65	1.93	2.07	.04	0	.02	0	13.85
200	SAUGUS - S.C.E. CO. SUBSTATION	0	1.44	1.02	4.66	1.04	.43	2.11	1.09	0	0	.04	0	11.83
201	PUEENTE HILLS - ALTA MIRA RANCH	0	1.45	1.31	5.63	1.48	.40	2.59	.92	0	0	0	0	11.47
206	VALENCIA HEIGHTS	0	1.88	1.32	4.56	.72	1.10	1.50	1.14	0	0	0	0	12.81
208	ARTESIA - BARR LUMBER CO.	0	1.52	.77	4.57	1.11	1.11	1.91	1.68	0	0	0	0	12.22
210B	BRAND PARK	0	2.19	1.27	5.29	1.14	.75	2.24	2.02	0	0	.04	0	11.67
213D	LOS ANGELES - HANCOCK PARK	0	1.17	1.21	4.81	.82	.40	2.04	.97	0	0	.01	0	11.43
215D	BELLFLOWER - PRESS TELEGRAM	0	1.46	1.03	4.27	1.07	.36	1.79	1.63	0	0	0	0	11.61
216	GLENDALE - JONES	0	1.86	1.30	5.37	1.22	.50	.98	3.08	.01	T	.04	0	14.38
217	WATTS - JORDAN HIGH SCHOOL	0	1.54	1.09	4.67**	.61	.30	2.30	N.I.	N.I.	N.I.	N.I.	N.I.	INC.**
219	PACOMA WAREHOUSE - COUNTY FORESTRY	0	1.54	1.06	5.46	.96	.47	2.49	2.05	0	0	0	0	14.03
221D	PACOMA WASH - DICKWORTH RANCH	0	1.75	1.15	4.80	1.50	.30	3.40	1.50	0	0	0	0	14.40
222	LANKERSHIM GENERATING PLANT	0	1.17	.77	3.78	1.15	.39	.98	2.18	0	0	.05	0	10.47
223B-E	BIG DALTON DAM	0	2.72	1.64	6.75	1.74	1.24	2.01	2.05	.04	0	.02	T	18.21
224B	LONG BEACH - ALAMITOS LAND CO.	0	1.32	.81	4.19	1.16	.34	2.09	.66	0	0	0	0	10.59
225	MONTANA RANCH	0	1.77	.75	4.53	1.07	.25	2.48	.75	0	0	0	0	11.60
226	BURBANK FIRE STATION	0	1.47	1.32	4.87	.99	.66	2.35	1.08	T	0	.05	T	12.79
227D	SAN GABRIEL - BRUINGTON	T	1.91	1.09	5.33	.93	.64	2.32	.86	.02	0	.03	0	13.35
228B	BEVERLY HILLS - CITY HALL	0	1.30	1.45	5.41	.86	.69	2.50	.67	0	0	.02	T	12.90
230C	LIVE OAK CANYON - ELDER	0	2.10	1.06	4.76	1.35	1.47	.82	1.86	0	0	0	0	13.42
235B	HENNINGER FLATS	0	1.96	1.31	7.02	1.78	2.19	2.39	2.86	.22	T	.05	0	19.78
236B	SAN FERNANDO - MOLLIN GROVES	0	1.73	1.29	4.81	1.63	.35	2.90	1.54	0	0	.11	0	14.36
237A	STONE CANYON RESERVOIR	T	1.69	1.92	5.87	1.24	.66	1.89	1.84	.02	0	T	T	15.33
238	HOLLYWOOD DAM	0	1.24	1.35	4.86	.94	.42	1.33	2.32	T	0	.01	0	12.47
241B	LONG BEACH - VETERANS' MEMORIAL BUILDING	0	1.29	.82	3.60	1.01	.36	1.62	1.29	T	0	T	0	9.99
246B	CULVER CITY - BUS YARD	0	1.16	.86	4.28	.79	.44	1.81	.79	0	0	0	0	10.13
250D	ACTON CAMP	0	1.10	.71	3.11	.47	.02	.39	1.13	0	0	0	0	6.93
251	LA CRESCENTA	0	1.99	1.44	6.35	1.34	.90	2.96	2.22	0	0	.08	0	17.30
254	PUEENTE - ROWLAND RANCH	0	1.66	1.32	5.64	1.13	.22	1.77	1.37	0	0	0	0	13.11
255A	MT. SAN ANTONIO COLLEGE - SPADRA	0	2.04	1.41	4.84	1.34	.57	1.49	1.01	0	0	0	0	12.70
256B	POMONA - FIRE STATION	0	1.95	1.28	5.23	1.12	.43	1.58	.46	0	0	T	0	12.05
257	GRIFFITH PARK NURSERY	0	1.59	1.23	5.04	.96	.44	2.12	1.49	T	0	.03	0	12.90
258A	GRIFFITH PARK TUNNEL	0	1.97	1.37	5.13	1.00	.50	2.27	1.22	0	0	.03	0	13.52
258B	GRIFFITH PARK - SOUTH SLOPE MT. HOLLYWOOD	0	1.81	1.35	5.14	1.05	.57	2.17	1.25	0	0	.05	0	13.39
258C	GRIFFITH PARK - NORTH SLOPE MT. HOLLYWOOD	0	1.91	1.38	5.26	1.03	.54	2.20	1.20	0	0	.04	0	13.56
259C	CHATSWORTH PATROL STATION	0	1.95	1.56	5.69	1.47	.36	3.54	1.12	0	0	0	0	15.71
261B-E	ACTON - ESCONDIDO CANYON	0	1.10	.64	3.32	.66	.07	.69	1.32	0	0	0	0	8.00
263C	POMONA - MITCHELL	0	2.11	1.27	4.93	1.12**	.55	1.22	.95	0	0	T	0	12.15
265C	PUEENTE HILLS - WEISEL RANCH	0	1.26	.86	5.35	1.17	.33	1.45	.86	0	0	0	0	11.26
266	LEFFINGWELL RANCH - E. WHITTIER	0	1.45	1.28	5.32	1.31	.38	1.54	1.04	0	0	0	0	12.32
269A	DIAMOND BAR RANCH NO. 1	0	2.07	1.12	5.73	1.27	.16	1.06	1.71	0	0	0	0	13.12
269B	DIAMOND BAR RANCH #2 - HORSE CAMP	0	1.92	1.15	5.45	1.26	.14	1.75	.75	0	0	0	0	12.44
270	COUNTY FARM - RANCHO LOS AMIGOS	0	1.54	.99	5.56	1.25	.34	1.85	.84	0	0	0	0	12.37
271	DOMINGUEZ HILLS	0	1.04	1.06**	4.25	.97	.31	2.31	.57	0	0	0	0	10.51**
272B	LOS ANGELES - HEADWORKS PUMPING PLANT	0	1.51	1.43**	5.47	1.12	.56	2.24	1.22	0	0	.05	0	13.60**
273D	SAN PEDRO HILLS - MC CARRELL	0	1.55	1.15	3.61	1.40	.20	1.45	.30	0	0	0	0	9.66
274	ACTON - HUBBARD	0	1.07	.63	3.22	.57	0	.70	.17	0	0	0	0	6.43
275	SAN MARINO HUNTINGTON LIBRARY	0	2.14	1.27	5.58	.98	1.23	1.12	2.49	.05	0	.05	0	14.91
277	SAMMILL MOUNTAIN RANCH	0	1.76	1.58	5.96	2.28	.25	3.90	2.78	0	0	0	0	18.91
278B	LOS ANGELES - CLARK MEMORIAL LIBRARY	0	1.23	1.03	4.67	.61	.52	1.54	1.12	0	0	.01	0	11.33
279C	PASADENA GLEN - WEIDEN	0	1.92	1.30	5.55	1.45	2.47	2.00	2.27	0	0	0	0	16.99
280B	FLINTRIDGE FIRE STATION	0	2.35	1.32	5.07	1.64	1.35	2.51	1.67	0	0	0	0	15.91
281B	KELLY'S RANCH	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	INC.	0	0	INC.
283B	CRYSTAL LAKE - EAST PINE FLATS	0	4.56	3.16	6.51	3.65	1.42	3.03	3.26	0	0	.10	0	27.73
284C	PLACERITA CANYON	0	2.43	1.40	5.90	1.64	.28	3.78	1.69	T	0	.11	0	17.23
285C	MT. ST. MARY'S COLLEGE	0	1.67	1.68	5.91	1.19	.72	2.90	.67	0	0	0	0	14.74
287	GLENDORA - MUTUAL CONSOLIDATED IRRIGATION CO.	0	2.59	1.35	5.34	1.06	1.36	1.57	1.38	0	0	0	0	14.65
289	LAGUNA-BELL - S.C.E. CO. SUBSTATION	0	1.64	1.07	5.42	1.02	.40	1.97	1.12	0	0	0	0	12.64
290B	MONTEREY PARK - FIRE STATION	0	1.45	1.02	5.41	.90	.60	2.24	1.42	0	0	.02	0	13.06
291	LOS ANGELES - 96TH & CENTRAL	0	1.74	1.01	4.54	1.04	.40	2.02	1.82	0	0	0	0	12.57
292B-E	ENCINO RESERVOIR NO. 2	0	1.96	1.42	5.83	1.24	1.25	1.68	2.46	T	0	0	0	15.84
293-E	VAN NORMAN LAKE - LOWER DAM	0	1.34	1.26	4.78	1.29	.34	1.53	2.20	T	0	.08	0	12.52
294	SIERRA MADRE - MIRA MONTE PUMPING PLANT	0	2.36	1.40	6.12	1.38	2.50	1.80	2.14	T	0	.05	0	17.75
295G	GLENDALE - STAPENHORST	0	2.00	1.28	5.34	1.17	.63	1.92	1.86	T	0	.01	0	14.21
298B	GORMAN	0	1.62	.72	2.74	.73	0	2.76	.74	0	0	0	0	9.31
299C	LITTLE ROCK	0	1.58	.27	2.73	.07	T	.57	.18	0	0	0	T	5.40
303F	PASADENA - CAL TECH	0	2.02	1.21	5.85	1.07	1.61	2.27	1.93	.03	T	.02	T	16.01
304	SAWPT CANYON - DEER PARK	0	2.99	1.97	6.20	2.06	2.84	2.85	2.82	.10	0	.08	0	23.93
306C	TRANCAS BEACH	0	1.39	.89	3.68	1.13	.26	3.70	1.50	0	0	0	0	12.55
311B	PASADENA METEOROLOGICAL STATION	0	1.95	1.25	5.45	1.44	1.36	1.74	1.95	.06	0	.03	0	15.23
312	AZUSA PLANT - GLENDORA IRRIGATION CO.	0	2.29	1.25	4.65	1.32	1.15	2.10	1.10	0	0	0	0	13.66
321-E	FINE CANYON PATROL STATION	0	1.50	1.91	6.45	2.04	2.20	2.27	1.64	0	0	T	0	16.01
322	MUNZ VALLEY RANCH	0	1.00	.72	3.18	.77	0	1.08	.10	0	0	0	0	6.65
334B-E	COGSWELL DAM	0	3.62	2.36	8.47	2.26	1.11	4.20	2.28	.04	0	.10	0	24.46
336	SILVER LAKE RESERVOIR	0	1.56	1.08	4.80	.85	.39	1.24	2.30	0	0	.03	0	12.25
336A	MOUNT WILSON - OBSERVATORY	0	3.51	1.93	8.72	3.27	2.57	2.99	2.83	0	0	.13	0	25.95
338B	MOUNT WILSON - AIRWAYS STATION	0	3.18	1.57	9.11	2.73	2.01	3.49	2.18	T	0	.15	0	24.42
339	WALNUT FRUIT GROWERS ASSOCIATION	0	1.99	1.08	5.31	1.16	.43	1.05	1.59	0	0	0	0	12.62
341	ALISO CANYON - BLUM RANCH	0	.89	.50	3.88	.46	.10	.89	.29	0	0	0	0	7.08
342	UPLAND - CADNUM	0	2.18	1.40	4.92	1.19	.78	1.07	1.58	0	0	0	0	13.12
343B	RIVERA - TELEGRAPH ROAD	0	1.53	1.10	5.59	1.22	.34	1.92	.69	T	0	0	0	12.39
347-E	BALDWIN PARK EXPERIMENTAL STATION	0	1.93	1.37	5.43	1.13	.59	1.42	1.36	.01	0	.06	0	13.36
349B	CAMP RINCON	0	3.32	2.31</										

TABLE VI  
SEASONAL 1954-55 MONTHLY RAINFALL SUMMARY  
RAINFALL RECORDS IN INCHES

STA. NO.	STATION	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	SEAS. TOTAL
372	SAN FRANCISQUITO POWER HOUSE #2	0	1.53	1.41	4.85	1.59	.14	1.16	2.47	.01	0	T	0	13.18
373	BRIGGS TERRACE	0	2.28	1.63	7.19	1.66	1.05	2.93	2.93	.04	.02	.14	0	19.89
375B	GRIFFITH PARK 200	0	1.59	1.45	5.37	1.45	.45	2.18	1.50	T	0	0	0	13.99
377F	LAKE SHERWOOD ESTATES	0	1.62	1.96	6.45	1.13	.33	3.17	1.43	0	0	.02	0	16.01
379B	SAN GABRIEL - EAST FORK	0	2.88	1.85	7.19	2.65	1.17	1.90	2.08	0	0	.07	0	19.79
380	EL SERENO - MORGAN	0	2.18	1.04	5.02	.75	.60	1.93	1.60	0	0	.02	0	13.14
381C	SANTA MONICA - OUTLOOK	0	1.42	1.22	4.07	.67	.69	2.26	.97	0	0	T	0	11.90
384B	HIGHLAND PARK - SAN RAFAEL HILLS	0	2.56	1.16	5.34	1.06	.78	1.94	1.81	.02	0	.02	0	14.69
386C	ZUMA CANYON - OAKLEY	0	2.55	1.69	5.82	1.52	.78	4.40	3.30	.04	0	T	T	21.10
388B	CLEARWATER - CO. FIRE STATION	0	1.36	1.01	4.55	.97	.33	1.96	.77	0	0	0	0	10.97
389	GLENDORA - BROWN	0	2.42	1.52	5.45	1.40	1.65	1.84	1.84	T	0	.02	0	16.14
390B-E	MORRIS DAM	0	2.46	1.64	6.37	1.47	1.67	3.36	1.14	T	0	.05	0	18.18
391B	MONTEBELLO - FIRE DEPARTMENT	0	1.60	1.10	5.35	.68	.42	2.10	1.20	0	0	.07	0	12.52
394	HIGHLAND PARK - LINDSAY	0	2.63	1.66	5.16	.97	.74	2.12	1.33	.02	0	.04	0	14.07
395B	OLIVE VIEW SANITARIUM	0	1.45	1.23**	4.84	1.36	.32	1.47	3.09	0	0	.06	0	13.92**
402C	CEDAR SPRINGS - STATE PRISON CAMP	0	5.19	3.75	10.56	2.95	.59	1.28	2.10	0	0	T	0	26.04
404	GLENDALE - OPID'S	0	1.84	1.65**	5.34	1.22	.52	1.80	2.02	.02	0	.02	0	14.43**
405	SOLEDA CANYON - ECKLES	0	1.69	1.12	4.63	1.02	.12	1.34	1.41	T	0	0	0	11.53
406C	WEST AZUSA - AZUSA IRRIGATION CO. PLANT #6	0	2.24	1.28	4.91	1.31	.87	1.50	1.56	0	0	0	0	13.69
407-E	NEWHALL - U.S.F.S. HEADQUARTERS	0	1.68	1.46	4.51	1.97	.28	3.10	1.66	0	0	.09	0	14.96
409	RIDGE ROUTE - STATE HIGHWAY MAINTENANCE STATION	0	2.15	1.60	3.88	1.00	.20	2.11	2.19	0	0	0	0	13.13
410D	RIDGE ROUTE - PARADISE RANCH	0	1.99	2.76	5.28	1.72	.40	3.15	2.54	0	0	0	0	17.84
411C	RIVERA-PICO - ROBINSON	0	1.71	1.01	5.18	1.15	.37	2.00	1.00	0	0	0	0	12.46
415	SIGNAL HILL - CITY HALL	0	1.17	.75	3.54	.87	.44	2.18	.67	0	0	0	0	10.22
416	ALTADENA - VENTURA STREET	0	1.06	1.35	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	INC.
417	SIERRA MADRE - LAMANDA PARK CITRUS ASSOCIATION	0	1.83	1.25	5.69	1.12	1.25	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	INC.
419B	SANTA CLARA RIDGE - MT. GLEASON	0	2.02	1.40	5.55	1.37	.62	1.96	1.66	0	0	0	0	14.58
420A	ACTON - COLOMBI RANCH	0	1.54	1.08	3.76	.90	0	3.12	1.36	0	0	0	0	9.60
421B	LOPEZ CANYON BELOW MOUTH	0	1.57	1.15	4.39	1.43	.38	2.47	1.78	0	0	.08	0	13.29
422C	PACOIMA CANYON - WALSH RANCH	0	2.06	1.07	5.97	2.19	.37	3.72	2.08	0	0	.05	0	17.53
423B	ACTON - ALISO CANYON	0	1.85	1.77	5.28	.72	.37	2.26	1.54	0	0	.10	0	13.93
425B-E	SAN GABRIEL DAM	0	3.00	1.94	7.02	1.88	1.07	2.68	2.22	T	T	.06	0	19.68
427	DOWNNEY - JORDAN	0	1.71	.95	5.38	1.17	.26	1.64	.75	T	0	T	0	11.66
430	SAUGUS - STATE HIGHWAY MAINTENANCE STATION	0	1.37	.97	3.50	1.05	.09	2.36	.99	0	0	0	0	10.33
432	SANTA ANITA - FERN LODGE	0	2.61	1.75	8.73	2.41	1.67	2.84	2.44	.04	0	.06*	0	22.75**
433C	FAIR OAKS DEBRIS BASIN	0	2.17	1.26	5.71	1.47	2.00	2.26	1.86	0	0	.03	0	16.76
434	MALIBU - DIVISION HEADQUARTERS	0	1.33	1.33	5.58	1.12	.21	3.26	1.16	0	0	.03	0	14.04
435	MONTE NIDO	0	2.10	1.40	5.69	1.14	.73	4.27	1.04	0	0	0	0	16.37
436B	HANSEN DAM	0	1.17	.76	4.30	.86	.50	2.21	1.43	T	0	.06	0	11.35
437	HAMILTON BOWL - LONG BEACH	0	1.05	.74	3.91	.83	.28	2.02	1.70	0	0	0	0	9.57
440B	CHILAO - U.S.F.S. CAMP	0	4.07	1.93	6.23	2.05	1.17	.89	3.30**	0	0	.13	0	18.77
441B-E	PALMDALE - COUNTY ROAD MAINTENANCE YARD	0	1.31	.66	3.91	.17	0	.54	.37	0	0	0	0	6.06
442	MESCAL CREEK - FORT TEJON ROAD	0	1.55	3.11	3.69	.34	.02	.70	.39	0	0	.13	.03	7.16
443B	LATIGO CANYON BEACH RANCH	.02	2.60	1.82	7.17	1.68	.64	6.04**	2.39	.07	0	.02	.01	22.46**
444C	ROLLING HILLS	0	1.74	.86	3.65	1.22	.44	2.23	.31	.06	0	0	0	10.53
445B	LIVE OAK DAM	0	2.03	1.66	5.34	1.44	.95	1.17	1.77	.02	0	T	0	14.38
446	ALISO CANYON - SANTA SUSANA MTS.	0	2.00	1.59	5.11	1.88	.48	3.79	1.62	0	0	.04	0	16.51
447B	LAS FLORES PATROL STATION	0	1.41	1.37	4.61	.97	.61	2.87	.68	.02	0	0	0	12.74
448B	EATON DAM	0	1.82	1.22	5.52	1.30	1.78	1.52	1.95	.04	0	.05	0	15.60
451B	CASTAIC PATROL STATION	0	1.22	1.12	3.65	1.30	.18	2.91	1.12	0	0	0	0	11.50
453B	DEVIL'S GATE DAM	0	2.06	1.29	5.94	1.60	1.21	2.63	1.65	.05	0	.02	0	16.45
455	LANCASTER - STATE HIGHWAY MAINTENANCE STATION	0	1.24	.25	2.18	.59	0	.85	.15	0	0	0	0	5.26
456	PIUTE BUTTE - GOLDEN MESA DUDE RANCH	0	.36	.22	2.05	1.13	0	.47	0	0	0	0	0	3.25
458	ZUMA CANYON PATROL STATION	0	1.20	.86	3.76	1.16	.50	4.56	2.12	.03	T	0	0	14.19
460B	PLEASANT VIEW MESA - NEAL	0	1.83	.90	4.79	.43	0	1.17	.19	0	0	0	0	9.31
461B	BALWIN HILLS - STANDARD OIL FIELD OFFICE	0	1.20**	.91**	4.53	.83	.90	1.70	.59	T	0	0	0	10.26**
462B	HILLCREST COUNTRY CLUB - LOS ANGELES	0	1.42	1.31	5.16	.88	.62	2.62	.96	0	0	.04	0	12.68
463	MAR VISTA SOUTHERN CALIFORNIA WATER CO.	0	1.67	1.04	4.36	.71	.50	1.62	1.40	0	0	T	0	11.30
464	TUJUNGA CANYON - HONOR CAMP #5	0	1.87	1.42	5.96**	1.58	.71	2.93	1.62	0	0	.15	0	16.64**
465B	SEPHILVEDA DAM - AUTOMATIC	0	1.84	1.11	5.44	1.05	1.05	2.71	.77	T	0	.04	0	14.05
466B	PACOIMA CANYON - DUTCH LOUIE CANYON	0	1.90	1.67	5.35	2.06	.43	3.28	1.50	0	0	.08	0	16.71
468	PICKENS DEBRIS BASIN	0	1.64	1.40	6.07	2.21	1.01	2.93	2.19	0	0	.07	0	17.72
470	TUJUNGA - MILL CREEK	0	1.92	1.33	5.28	1.30	.59	1.66	1.56	0	0	.03	0	13.89
471	LITTLE TUJUNGA - GOLD CREEK	0	2.24	1.35	5.64**	2.06	.46	3.06*	2.41*	0	0	0	0	17.22**
473	AQUA DULCE CANYON - BLACKWELL RANCH	0	1.34	.41	3.75	.85	.07	1.43	.81	0	0	0	0	8.66
474B	SOUTH GATE - FIRE DEPARTMENT	0	1.44	.91	5.70	.99	.45	2.06	1.16	0	0	T	0	12.75
475	SAUGUS-NEWHALL LAND AND FARMING CO.	0	1.45	1.01	4.51	1.12	.12	2.41	1.02	0	0	T	0	11.68
476C	TRIUNFO CANYON - HIDDEN BROOK	0	1.68	1.38	5.93	1.25	.47	3.25	2.36	0	0	.04	0	16.42
477B	SANTA ANITA - SPRING CAMP	0	3.96	2.28	8.29	2.93	1.61	4.00	2.39	.05	0	.08	0	25.61
478	VALYERMO - U.S.F.S. HEADQUARTERS	0	1.88	.29	4.63	.14	.02	.48	.54	0	0	.04	T	8.42
480B	TEMBLE CITY FIRE STATION	0	1.73	1.22	6.10	.92	.59	1.69	1.00	.02	0	0	0	13.27
482	LOS ANGELES - U.C.E.	0	1.29	.98	4.92	.92	.65	1.59	1.37	T	0	.02	0	12.14
486B	COLDWATER CANYON - WIDMAN RANCH	0	3.18	2.00	7.31	2.88	1.01	3.36	3.05	.08	0	.04	0	20.93
486	KAGEL CANYON PATROL STATION	0	1.43	1.23	4.42	1.56	.41	2.67	1.96	0	0	.10	0	13.80
489	COLD CREEK - STUNT'S RANCH	0	2.14	1.51	6.05	1.20	.50	5.42	.71	0	0	T	0	17.83
490	LANCASTER - WILEY RANCH	0	1.10	.35	1.40	.20	0	.30	0	0	0	0	0	3.35
491B	PACIFIC PALISADES	0	1.73	1.37	4.56	.87	.62	2.67	.66	0	T	0	0	12.50
492	CHILAO-STATE HIGHWAY MAINTENANCE STATION	0	4.13	1.80	5.97	1.78	1.15	2.42	2.06	0	0	0	0	19.31
493B	SAND CANYON - BARRUS	0	1.54	1.78	6.70	1.79	.20	4.07	1.91	0	0	.05	0	18.04
494B	PICO - CATE	0	1.77	1.04	5.38	1.34	.39	2.06	.86	0	0	.07	0	12.93
497	CLAREMONT - SLAUGHTER	0	2.08	1.41	4.87	1.33	1.25	1.07	1.47	0	0	.02	0	13.50
498	ANGELES CREST HIGHWAY - DARK CANYON TRAIL	0	2.20	2.00	6.90	2.27	1.10	3.03	2.31	0	0	.19	0	20.00
505C	ARROYO SECO - RANGER STATION	0	1.93	1.45	5.84	1.85	1.22	2.57	1.60	0	0	.01	0	16.47
517B	ANDERSON RANCH	0	3.07	1.28	4.61	.60	.20	1.37	1.00	0	0			

TABLE VI

## SEASONAL 1964-65 MONTHLY RAINFALL SUMMARY

## RAINFALL RECORDS IN INCHES

STA. NO.	STATION	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	SEAS. TOTAL
627	SAN GABRIEL CANYON POWER HOUSE	0	2.40	1.36	5.21	1.48	1.42	1.54	2.03	.02	0	0	0	15.47
629C	SAN PEDRO U.S.W.B.	0	1.49	.78	3.77	.94	.38	1.88	.56	.01	0	T	0	9.82
634B	SANTA MONICA - CITY HALL	0	1.45	1.15	4.11	.34	.67	2.32	.99	0	0	T	0	11.03
644	SOMIS - SNYDER RANCH	0	.81	1.95	4.10	1.47	.26	1.99	1.82	0	0	0	0	11.80
647G	SUNLAND - TUJUNGA	0	1.95	1.22	5.69	1.11	.41	2.95	1.29	0	0	.06	.03	14.71
650B	UPLAND - BAIRD	0	3.43	1.93	4.72	1.56	.87	1.22	2.68	0	0	0	0	16.03
660	OXNARD	0	1.10	1.19	4.64	1.55	.45	3.11	.66	0	0	.10	0	12.80
662	LONG BEACH - 37TH AND GAVIOTA	0	1.25	.96	5.13	.75	.28	1.16	1.53	T	0	T	0	11.06
666	LONG BEACH - SOUTH AND LEMON	0	1.20	.84	3.78	1.04	.30	1.38	1.14	T	0	T	0	9.68
672	EAGLE ROCK S.C.E. COUNTY SUBSTATION	0	2.51	1.22	5.36	1.22	.81	2.27	1.39	.06	0	.01	T	14.85
673B	SEAL BEACH - POWER PLANT	0	1.55	.60	2.65	1.13	.16	2.12	.81	0	0	0	0	9.02
676	LOS ANGELES - WEST 60TH STREET	0	1.62	.99	5.22	1.07	.36	2.24	.98	0	T	0	0	12.48
677C	PASADENA - HOFMANN	0	2.21	1.28	5.57	1.51	1.20	2.43	1.24	0	0	0	0	15.44
676	PASADENA - SHELDON RESERVOIR	0	1.97	1.24	5.81	1.43	1.38	1.77	2.19	.07	0	.03	0	15.89
679	PUEBLO - NORTH WHITTIER HEIGHTS CITRUS ASSOCIATION	0	1.43	1.14	5.43	1.16	.45	2.02	.54	0	0	.07	0	12.24
680	WESTWOOD - U.C.L.A.	0	1.88	1.54	5.40	.99	.79	2.71	.72	T	T	T	T	14.03
681A	SIERRA MADRE RANGER STATION	0	2.42	1.53	6.51	1.62	2.68	2.99	1.03	0	0	.05	0	18.83
683	SUNSET RIDGE GUARD STATION	0	2.45	1.41	6.27	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	INC.
689B	SAN MARINO - COOPER	0	2.19	1.12	5.47	1.21	1.02	2.39	1.98	.30	0	.07	0	15.75
691	SAN ANTONIO SPREADING GROUNDS	0	2.02	1.62	5.63	1.66	.79	1.02	2.01	0	0	0	0	14.75
695B	TUJUNGA CANYON - VOGEL FLAT	0	2.54	2.02	8.09	2.22	.56	3.84	3.32	0	0	0	0	22.95
696	PASADENA GLEN	0	1.91	1.26	6.45	1.55	2.55	3.32	1.01	.08	0	.10	0	18.23
703	GLENDALE - MC INTYRE	0	1.83	1.16	5.21	1.29	.57	1.92	1.74	.03	0	0	0	13.75
705	ALDER CREEK - PARADISE RANCH	0	1.62	1.35	5.49	1.61	.29	2.78	2.21	.01	0	.06	0	15.64
706	RIVERA - HADLEY RANCH	0	1.51	1.03	5.53	1.26	.29	2.06	.82	0	0	.02*	0	12.52**
715B	LOS ANGELES - POST OFFICE TERMINAL BUILDING	0	2.08	1.04	4.70	.69	.57	1.92	1.74	.01	0	.05	0	12.80
716	L.A.W.D. - DUCOMMIN STREET	0	2.04	1.00	4.90	.74	.59	1.37	2.41	.02	0	.05	0	13.12
718	THOUSAND OAKS	0	1.14	1.60	4.91	.97	.28	2.63	1.18	0	0	.02	0	12.33
719	DUARTE - MADDOCKS RANCH	0	2.08	1.40	4.83	1.27	1.02	1.46	1.50	.03	0	T	0	13.59
722B	BELLEVUE - STRATMAN	0	1.06	1.04	4.06	.84	0	1.24	0	0	0	0	0	8.24
723	STONE CANYON - SAN FERNANDO VALLEY	0	2.37	1.70	6.58	1.33	.55	1.69	2.41	T	0	0	0	16.63
724	BIG DALTON - MONROE CANYON FLUME	0	2.75	1.71	6.80	1.70	1.17	.64	3.29	.03	0	.03	0	18.26
725	BIRMINGHAM HOSPITAL	0	1.68	1.25	6.26	1.28	1.29	3.38	.61	0	0	0	0	15.95
726	ANGELES CREST - GUARD STATION	0	2.41	1.85	6.95	2.08	1.22	3.13	2.47	T	0	.05	0	20.20
727	NEWCOMB PASS	0	3.63	2.43	8.40	3.47	2.21	3.02	3.44	.13	0	.15	0	25.88
728	PACOMA CANYON - CITY ROAD GAGE	0	2.04	2.13	7.12	2.35	.41	3.12	2.53	.20	0	0	0	19.90
730	MILLARD CANYON - DAWN MINE	0	3.73	1.53	6.91	2.41	1.93	1.84	2.65	.45	0	0	0	21.45
731	OAK GROVE HEADQUARTERS - U.S.F.S. FLOOD CONTROL	0	1.99	.83	4.79	1.62	1.12	2.35	.52	.19	0	0	0	13.41
732B	ROBERT'S CANYON - SAN GABRIEL WEST FORK DIVIDE	0	3.37	2.20	7.90	2.13	1.03	3.92	2.13	0	0	.05*	0	22.73**
734	LOS ANGELES MUNICIPAL AIRPORT	T	1.24	.74	4.12	.88	.15	2.20	.42	.07	T	T	T	9.82
735	BELL CANYON - PLATT RANCH	0	1.86	1.14	4.53	1.01	.30	3.33	1.16	0	0	0	0	13.33
737	UPPER SESPE - CHORO GRANDE RANCH	0	2.60	2.70	4.10	2.36	.73	3.82	1.27	0	0	.06	0	17.84
739	SANTA PAULA - LIVONEIRA RANCH	0	.63	1.14	5.25	1.59	.24	2.97	.77	0	0	.03	.01	12.63
740B	SAN DIMAS CANYON - FERN NO. 2	0	3.55	2.46	8.94	2.86	.77	.83	3.71	.02*	0	.02*	0	23.18**
741	SAN DIMAS CANYON - UPPER EAST FORK	0	2.77	1.88	6.62	2.16	.71	3.14	1.63	0	0	0	0	19.11
742B	SAN GABRIEL FIRE DEPARTMENT	0	1.76	1.04	5.32	.85	.68	1.55	1.43	0	.01	.04	0	12.68
746	MORAYNE - BACKUS RANCH	0	1.78	.65	2.36	.32	.01	.08	.27	9	0	T	0	4.47
747	SANDBERG - AIRWAYS STATION	0	1.82	.86	3.73	.71	.18	2.18	.59	0	0	0	0	10.07
749	BURBANK - U.S.W.B.	T	1.37	.95	4.37	.67	.52	2.46	1.23	T	T	.06	T	11.65
750	PALMDALE - C.A.A.C. STATION	0	1.35	.28	2.18	.95	0	.57	.15	0	0	.08	T	4.96
751	TORRANCE - FIRE DEPARTMENT	0	1.52	.85	2.93	1.13	.42	1.46	.61	.04	0	0	0	8.96
752	MONROVIA - GEARY	0	2.25	1.47	6.40	1.43	.90	1.50	1.75	.03	0	.04	0	15.77
755	GRIFFITH PARK - LITTLE CANYON	0	1.82	1.35	5.95	1.08	.50	2.08	1.11	0	0	0	0	13.89
756	GRIFFITH PARK-UPPER SPRING CANYON	0	1.68	1.30	4.78	.87	.52	2.30	.80	0	0	0	0	12.25
757	GRIFFITH PARK - FERN DELL	0	1.77	1.27	4.83	.80	.35	2.13	.82	0	0	0	0	11.97
758	GRIFFITH PARK - LOWER SPRING CANYON	0	1.50	1.30	5.12	.92	.46	2.23	.87	0	0	0	0	12.42
759	HOLLYWOOD - 1736 COURTNEY AVENUE	0	1.25	.50	4.62	.95	.33	2.43	1.35	0	0	0	0	11.63
760	STUDIO CITY - 3513 GOODLAND AVENUE	0	1.85	1.62	5.38*	1.14	.35	2.85	1.05	0	0	0	0	14.24**
761	STONE CANYON - NORTH	0	2.04	2.20	5.34	1.25	.25	2.81	.66	0	0	0	0	14.65
762	UPPER STONE CANYON	0	2.12	1.65	5.70	1.22	.30	2.95	.58	0	0	0	0	14.56
763B	SERULVEDA CANYON - EAST FIRE ROAD NO. 19	0	1.73	2.11	5.65	1.63	.36	3.23	.46	0	0	0	0	15.22
764	STONE CANYON - 2302 RAIL LANE	0	2.00	2.34	6.47	1.23	.31	3.16	.56	0	0	0	0	16.09
765B	15601 MULHOLLAND DRIVE - KIRKMAN	0	1.88	2.24	5.64	1.43	.39	3.43	.57	0	0	0	0	15.78
766	MANDEVILLE CANYON - FIRE ROAD NO. 24	0	1.60	1.62	5.46	1.33	.77	3.46	.70	0	0	0	0	15.06
767	3351 MANDEVILLE CANYON ROAD	0	1.86	1.60	6.28	1.25	.60	3.86	.60	0	0	0	0	16.45
768	SULLIVAN CANYON - FIRE ROAD NO. 2C	0	1.53	1.56	3.71	1.06	1.12	2.43	.46	0	0	0	0	11.91
769	SANTA YNEZ CANYON - TEMESCAL FIRE ROAD NO. 30	0	1.97	1.35	5.20	1.28	1.38	3.53	1.32	0	0	0	0	16.03
770	SANTA YNEZ CANYON - PASEO MIRAMAR	0	1.06	1.18	2.97	.25	.57	2.43	.77	0	0	0	0	9.23
771	RUSTIC CANYON - SANTA MONICA MTS.	0	1.47	1.20	4.76	.73	.80	2.47	.55	0	0	0	0	11.98
772	ECHO PARK AND LUCRETIA - LOS ANGELES	0	1.64	.90*	4.69	.79	.52	2.03	1.45	0	0	0	0	12.02**
774	BARLOW SANITARIUM	0	1.75	.82	4.19	.58	.50	1.86	1.29	0	0	0	0	10.99
775	8TH AND CROCKER STREETS - LOS ANGELES	0	1.82	.80	4.37	.79	.65	2.42	1.44	0	0	0	0	12.29
776	NICHOLS CANYON - NEAR MULHOLLAND DRIVE	0	1.36	2.26	5.83	1.22	.48	3.01	1.07	0	0	0	0	15.23
777	KENTER CANYON - 259 NO. KENTER	0	1.47	1.60	5.45	1.02	.83	2.84	.61	0	0	0	0	13.62
778B	SERULVEDA CANYON - 11817 BELLADINO ROAD	0	1.53	1.66	5.60	1.16	.79	2.57	.51	0	0	0	0	14.36
779	GRIFFITH PARK - LOWER MINERAL WELLS	0	1.60	1.40	5.32	1.14	.63	2.50	.91	0	0	0	0	13.50
780	GRIFFITH PARK - UPPER MINERAL WELLS	0	1.64	1.45	5.20	1.23	.56	2.35	.92	0	0	0	0	13.35
783	COON CANYON	0	1.91	1.48	5.64	1.72	1.20	2.20	1.54	.31	0	0	0	16.00
784	COON CANYON	0	1.64	2.51	5.66	1.65	1.14	2.32	1.81	.26	0	0	0	17.39
785	COON CANYON	0	2.18	1.67	6.24	1.95	1.22	2.23	1.98	.39	0	0	0	17.86
786	COON CANYON	0	2.03	1.50	5.03	1.88	1.08	2.31	1.56	.53	0	0	0	15.92
787	COON CANYON	0	2.07	1.49	5.89	1.91	1.19	2.31	1.72	.48	0	0	0	17.06
788	COON CANYON	0	1.98	1.49	5.43	1.91	1.07	2.32	1.64	.46	0	0	0	16.30
789	EL PRIETO CANYON	0	2.13	1.54	6.02	2.03	1.31	2.17	1.72	.56	0	0	0	17.46
790	FILMORE CITRUS ASSOCIATION	0	1.11	1.68	5.46	1.49	.40	4.32	1.42	0	0	0	0	15.88
791	CULBERTSON LEMON ASSOCIATION - SATICOY	0	1.03	1.20	4.36	1.36	.17	1.94	1.41	0	0	0	0	11.49
792	COUNTY AGRICULTURE OFFICE - SANTA PAULA	0	.93	1.12	5.25	1.55	.33	2.24	1.94	0	0	.02	0	13.38
793	MARKHAM SADDLE	0	1.50	2.61	5.23	3.36	1.99	2.32	1.73	.57	0	0	0	15.71
794	LOWER FRANKLIN RESERVOIR	0	1.45	1.56	5.26	.97	.99	2.44	.48	0	0	0	0	12.75
795	PASADENA - JOURDAN	0	1.74	1.28	5.42	1.05	1.11	1.54	1.75	.05	0	.03	0	13.97
796	FIRE DEPARTMENT - ELYSIAN PARK	0	1.32	.70	4.12	.73	.42	1.85	1.35	0	0	0	0	10.49
797	DE SOTO RESERVOIR	0	1.87	1.42	5.37	1.16	.31	1.84	2.90	0	0	.05	0	14.92
799	BALDWIN HILLS RESERVOIR	0	1.16	.92	4.68	.86	.35	1.50	1.51	0	0	0	0	11.00
801	MAGIC MOUNTAIN	0	2.17	1.82	7.32*	2.36**	.46	1.40	2.91	0	0	0	0	15.44*
802	EAGLE ROCK RESERVOIR	0	2.46	1.12	4.70	1.06	.67							



TABLE VII  
RAIN GAGE STATION LOCATION  
SEASON 1953 - 54

STA. NO.	TYPE GAGE	QUAD INDEX	ELEV. OF GAGE	NORTH LAT. ° ' "	WEST LONG. ° ' "	OBSERVER	LOCATION
2B	S	22-25	1050	34 02 55	118 46 25	H.J. HELLER	ESCONDIDO CANYON, 3 MILES ABOVE PACIFIC COAST HIGHWAY
3B	S	34-09	975	34 06 20	118 47 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 CANYON AVENUE, CALABASAS
6	SA	24-01	747	34 05 08	118 35 58	CAPTAIN BARTON	0.5 MILES SOUTH OF TOPANGA POST OFFICE, 401S. TOPANGA BOULEVARD
7D	S	24-46	50	34 02 22	118 33 23	L.M. BACH	17381 SUNSET BOULEVARD, PACIFIC PALISADES
9B	SP	49-37	828	34 13 53	118 28 04	EARL CROUCH	8845 SEPULVEDA BOULEVARD, SAN FERNANDO
10	SA	25-51	540	34 05 11	118 25 45	T.J. LA BLANC	701 STONE CANYON ROAD, WEST LOS ANGELES
11C	SP A	37-87	867	34 07 14	118 24 28	H. KING	UPPER FRANKLIN CANYON RESERVOIR, 2300 FRANKLIN CANYON ROAD
12	S	37-86	1175	34 07 48	118 24 42	S.H. WALTMAN	12601 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	MOUTH OF LA TUNA CANYON, ROSCOE
15	SA	37-41	695	34 10 48	118 27 03	W.C. WOODSON	AETNA AND VESPER STREETS, VAN NUYS
17	S	37-07	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	J.S. MAGNUSON	18448 VENTURA BOULEVARD, RESEDA
20B	S	35-84	986	34 09 07	118 36 35	K.G. HILLE	GIRARD RESERVOIR, NEAR TOPANGA CANYON BOULEVARD AND VENTURA BOULEVARD
21	S	36-02	891	34 10 16	118 35 56	C.F. DAIC	WEST OF CANOGA AVENUE, NORTH OF VENTURA BOULEVARD
23-E	SP AP	46-87	865	34 13 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	L. BATWAY	10202 TOPANGA CANYON BOULEVARD
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
28D	SP	48-32	950	34 16 22	118 27 50	SAN FERNANDO LEMON ASSOCIATION	15300 SAN FERNANDO MISSION BOULEVARD, SAN FERNANDO
29B	S	47-81	1150	34 17 02	118 30 17	L.A.W.D. OPERATOR	MAYERLING STREET AT L.A.W.D., GRANADA PUMP PLANT
30D	SP	59-28	1250	34 18 37	118 28 17	W.C. SIMMONS	SYLMAR OLIVE PACKING PLANT NEAR REXFORD STREET AND SAN FERNANDO ROAD
31	S	58-27	2850	34 19 28	118 34 14	W.G. WILLETT	ORCUTT RANCH, SANTA SUSANA MOUNTAINS AT HEAD OF RICE CANYON
32C-E	S	58-61	1243	34 23 07	118 31 54	PAUL CLARK	1457 SAN FERNANDO ROAD, NEWHALL
33A-E	SA	60-07	1500	34 19 48	118 23 59	E.K. BARR	BELOW PACOIMA DAM AT CARETAKER'S HOUSE
39B	8.81	50-19	1610	34 12 18	118 17 05	WILLIAM BRUSSTAR	SUNSET DAM, BURBANK
42	8.81	7-15	75	33 50 28	118 23 22	F.M. ARNOLD	ROOF OF CITY HALL, REDONDO
43A	S	7-19	250	33 48 00	118 23 20	R.W. HIATT	PALOS VERDES ESTATES AT FIRE STATION
43B	SP	2-20	450	33 47 47	118 22 12	JACK CAGLEY	PALOS VERDES ESTATES AT GOLF COURSE
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	BOB AMBROSE	CLEAR CREEK, 1.6 MILES ABOVE BIG TUJUNGA CANYON
47C	SA	51-22	3125	34 16 45	118 10 27	S. BLAKELEY	CLEAR CREEK NEAR ANGELES FOREST HIGHWAY
48	S	51-15	1800	34 16 44	118 11 00	U.S.F.S. EMPLOYEES	OAK WILDE - ARROYO SECO
50B	S	40-10	1155	34 11 48	118 11 03	L.A. CO. F. & F.W. EMPLOYEES	352 FOOTHILL BOULEVARD, LA CANADA
51	S	65-69	4010	34 18 06	117 50 20	H. MC DONALD	FALLING SPRINGS RESORT, NORTH FORK, SAN GABRIEL CANYON
52B	S	51-44	3000	34 15 32	118 09 14	EDGAR SWANSON	SWITZERS CAMP, ARROYO SECO
52C	SA	51-53	3290	34 15 58	118 08 37	U.S.F.S. EMPLOYEES	WATERMAN GUARD STATION - ARROYO SECO
53D	SA	62-89	3675	34 18 02	118 06 39	E.R. SHINN	COLBY'S, COLDWATER CANYON, BIG TUJUNGA
54C	SP A	63-55	4300	34 20 55	118 02 55	W.A. EMINGER	NEAR JUNCTION NORTH AND MIDDLE FORKS, ALDER CREEK, BIG TUJUNGA
57B-E	SP A	52-04	4250	34 15 18	118 05 41	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	2650	34 12 32	118 02 02	L.A.C.F.C.D. EMPLOYEES	WINTER CREEK WEST OF SANTA ANITA CANYON, HOEGEE'S (CAMP IVY)
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	865	34 09 29	118 02 36	RICHARD LAWYER	415 ORANGE GROVE AVENUE, SIERRA MADRE
67C	S	42-05	565	34 08 52	117 59 55	CHIEF GUY SHAW	141 EAST LEMON AVENUE, MONROVIA
68B	SA	42-12	1378	34 10 25	117 59 15	F.D. KELLY	SANPIT DAM AT CARETAKER'S HOUSE
69B	SA	42-21	1775	34 10 50	117 58 18	F.D. KELLY	SAWPIT CANYON, ONE MILE NORTHEAST OF SAWPIT DAM
70B	SA	42-93	790	34 09 49	117 54 06	W. GOEDERT	MOUTH OF SAN GABRIEL CANYON, 0.15 MILE EAST OF ROBERT'S CANYON
75	S	43-54	1200	34 09 22	117 50 53	O.H. ENGLEHART	MOUTH OF ENGLEWILDE CANYON, GLENORA
76B	S	54-57	1500	34 13 33	117 50 48	E.K. DEVORE	SAN GABRIEL CANYON ABOVE SAN GABRIEL DAM
80B	ST	67-06	5680	34 20 30	117 41 35	L.A.C.F.C.D. EMPLOYEES	PARAIRE FORK, 2.5 MILES UPSTREAM FROM VINCENT GULCH
81B	ST	66-42	6600	34 22 26	117 45 05	L.A.C.F.C.D. EMPLOYEES	VINCENT GULCH AND BIG ROCK CREEK
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	SA	56-46	4300	34 14 12	117 39 32	WILFY MESSER	U.S.F.S. GUARD STATION, CAMP BALDY
87	S AP	44-33	1500	34 09 56	117 46 02	CHARLES COLVER	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 BRYDON ROAD, LA VERNE
91	S	44-87	1405	34 07 16	117 43 11	PAUL COLDIRON	2931 INDIAN HILL BOULEVARD, CLAREMONT
92	SA	32-80	1190	34 05 52	117 42 34	DOCTOR WHITNEY	POMONA COLLEGE AT BRACKETT OBSERVATORY
93B	8.81	32-80	1180	34 05 47	117 42 59	CHARLES STARBUCK	221 WEST SECOND STREET, CLAREMONT
94B	S	43-49	732	34 06 26	117 51 17	T.C. MAYO	BONNIE COVE DRIVE AND ARROYO HIGHWAY, COVINA
95	S	43-99	960	34 06 28	117 48 22	L.A. CO. F. & F.W. EMPLOYEES	114 EAST FIRST STREET, SAN DIMAS
96B-E	SA	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	J. STAIN	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	L.A. CO. F. & F.W. EMPLOYEES	4009 EAST POMONA BOULEVARD, WALNUT
104	S	30-09	600	34 00 23	117 59 46	JOHN THOMAS	14570 SEVENTH AVENUE, NORTH WHITTIER HEIGHTS
106B	S	16-61	365	33 58 54	118 02 18	K.R. WARREN	ROOF OF SCHOOL BUILDING, 215 W. HADLEY STREET, WHITTIER
107C	8.81	15-66	130	33 56 18	118 08 03	L.A. CO. F. & F.W. EMPLOYEES	11435 SOUTH DOWNEY AVENUE, DOWNEY
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	L.A. CO. F. & F.W. EMPLOYEES	7225 NORTH ROSEMEAD BOULEVARD, ARCADIA
110	S	28-70	485	34 05 40	118 07 43	J.W. CLAY	NORTHWEST CORNER OF SECOND AND MAIN STREETS, CITY HALL, ALHAMBRA
111	SP	40-48	690	34 06 58	118 09 05	V. WRIGHT	NORTHWEST CORNER MOUND AND MISSION STREETS, CITY HALL, SOUTH PASADENA
116C	SA	13-43	155	33 57 54	118 21 15	DON BROWN	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 BANKING BOULEVARD, WILMINGTON
119D	S	25-44	355	34 03 25	118 27 17	JOSEPHINE MCCARTHY	NATIONAL MILITARY HOME, SAWTELLE
120	S	74-51	3135	34 29 17	118 08 29	J.B. SIGRIST	1533 SIERRA HIGHWAY, VINCENT
121B	SP A	112-79	2360	34 42 01	118 07 45	H.D. PROETT	DIVISION STREET AND AVENUE 18, LANCASTER 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	L.A.W.D. CARETAKER	NORTHWEST OF SPUNKY CANYON ROAD AND BOUQUET CANYON ROAD
125	SP	83-40	2100	34 35 20	118 27 10	POWER HOUSE OPERATOR	POWER PLANT #1, UPPER SAN FRANCISQUITO CANYON
126B	S	12-41	55	33 59 21	118 27 15	K. KUNITSU	FIRE STATION - VENICE
127	SP	70-71	1511	34 28 55	118 31 40	JIM RAY	DRY CANYON DAM, 2 MILES ABOVE SAN FRANCISQUITO CANYON ROAD
128B	S	95-39	2075	34 28 18	118 33 40	E.E. STUDLEY	ELIZABETH LAKE RESERVOIR AT WARM SPRINGS CAMP
130B	S	106-85	4025	34 44 37	118 42 43	L.A. CO. F. & F.W. EMPLOYEES	QUAIL LAKE, COUNTY PATROL STATION, SANDBERG
134	S	44-07	1110	34 07 39	117 47 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	J.R. WHEELER	6223 SANTA MONICA BOULEVARD, HOLLYWOOD
139	SP AP	27-54	385	34 03 08	118 14 48	JIM BRISCO	SECOND STREET AND BROADWAY, LOS ANGELES, AT L.A.W.D.
140B	S AP	25-45	230	34 02 42	118 27 08	V.G. LUND	11550 SANTA MONICA BOULEVARD, WEST LOS ANGELES
143	S	42-96	618	34 08 04	117 54 17	CORNELIUS SMITH	CITY HALL, AZUSA
144	S	41-52	1100	34 10 34	118 02 32	CARL REES	BELOW SIERRA MADRE DAM
155B	S	87-79	3035	34 30 18	118 01 40	MYRTIE BRESLIN	LITTLE ROCK CREEK, 1.5 MILES BELOW LITTLE ROCK DAM
156	SA	10-81	86	33 53 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
167	SP	41-64	611	34 09 32	118 02 02	J. THOMAS	87 ORANGE GROVE AVENUE, ARCADIA
169	SP	41-89	700	34 09 49	118 02 23	CARL REES	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	S	41-35	635	34 08 48	118 04 05	W.E. COMERFORD	SOUTH OF COLORADO AT MICHELLINDA AVENUE, PASADENA
172B	SP	42-35	548	34 08 28	117 58 04	J.S. BLAIN	1101 SOUTH OAK STREET, DUARTE

TABLE VII  
RAIN GAGE STATION LOCATION  
SEASON 1953 - 54

STA. NO.	TYPE GAGE	QUAD INDEX	ELEV. OF GAGE	NORTH-LAT. ° ' "	WEST LONG. ° ' "	OBSERVER	LOCATION
174	SP	43-86	965	34 07 57	117 49 10	L.A. 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	MAXINE LONG	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	1734 EAST ARROW HIGHWAY, AZUSA
179F	SP A	41-42	1153	34 10 18	118 03 34	ELIZABETH MCKINLEY	536 NORTH LIMA STREET, SIERRA MADRE
181B	S	29-94	293	34 03 10	118 00 06	R.S. CLIFFORD	13010 VALLEY BOULEVARD, PUENTE
185	S	43-46	822	34 08 23	117 51 33	MRS. L.M. WEST	460 EAST BENNETT STREET, GLENDORA
188C	S	44-08	1070	34 07 08	117 47 38	WAYNE E. MORRISON	1001 SAN DIMAS CANYON ROAD, SAN DIMAS
191B	SA	28-03	400	34 03 48	118 11 56	L.A.C.F.C.D. EMPLOYEES	2250 ALCAZAR STREET, LOS ANGELES
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	S	39-21	890	34 11 04	118 16 34	W.L. BRUSSTAR	MOUTH OF BRAND CANYON AT BRAND DEBRIS BASIN
199B	S	14-81	175	33 59 21	118 13 06	WILL LOUGH	2886 SCLAUSON AVENUE, HUNTINGTON PARK
200	S	70-27	1093	34 25 23	118 34 32	ROY GALLIAN	50, CALIF. EDISON CO. SUBSTATION, 2.5 MILES WEST OF SAUGUS
201	SA	17-00	860	34 03 19	117 59 30	HARVEY LOWERY	3075 TURNBULL CANYON ROAD, PUENTE
206	S	30-94	467	34 03 19	117 54 25	P.R. JACKSON	1126 AZUSA AVENUE, VALENCIA HEIGHTS, WEST COVINA
208	S	10-14	49	33 51 35	118 04 52	ALBERT SHULTZ	BARR LUMBER CO., 18810 PIONEER BOULEVARD, ARTESIA
210B	S AP	39-21	1250	34 11 19	118 16 21	L.A.C.F.C.D. EMPLOYEES	200 FEET ABOVE WATER TANK, BRAND PARK
213D	SA	26-43	175	34 03 49	118 21 22	L.A.C.F.C.D. EMPLOYEES	HANCOCK PARK, 5801 WILSHIRE BOULEVARD, LOS ANGELES
215C	S	9-71	90	33 52 56	118 07 34	M.E. LILLEY	9747 EAST FLOWER STREET, BELLFLOWER
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. & F.W. EMPLOYEES	12605 OSBORNE AVENUE, PICOIMA
221C	S	59-99	1350	34 18 27	118 24 17	J.W. DUCKWORTH	12500 NORTH MACLAY STREET, PICOIMA
222	SP	38-10	732	34 11 55	118 23 18	L.A. CITY W.O. EMPLOYEES	11845 VOSE STREET, NORTH HOLLYWOOD
223B-E	SA	43-83	1975	34 10 13	117 48 30	D.E. WILSON	BELOW BIG DALTON DAM AT CARETAKER'S HOUSE
224B	S	4-03	180	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, 5612 EAST ARBOR ROAD, LAKEWOOD
226	8,81	38-91	665	34 10 55	118 18 24	CHIEF F. OLCHEVARY	125 EAST THIRD STREET, BURBANK
227D	S	40-99	473	34 06 20	118 06 33	A.E. BRUNTINGTON	636 W. HERMOSEA DRIVE, SAN GABRIEL
228B	S AP	26-02	290	34 04 27	118 23 87	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, EAST OF THOMPSON CREEK, LA VERNE
235B	SP A	41-10	2550	34 11 36	118 05 20	A. BAAL	HENNINGER FLATS NEAR MT. WILSON TOLL ROAD
236B	S	59-88	1455	34 19 12	118 24 59	CARL GOFF	MOLLIN GROVES, 13051 HUBBARD AVENUE, SAN FERNANDO
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. BOWER	VETERANS' MEMORIAL BUILDING, LONG BEACH
246B	S	26-18	75	34 01 00	118 23 17	A. EGGLE	CORNER JEFFERSON AND DUQUESNE STREETS, CULVER CITY
250D	S	74-04	2550	34 27 02	118 11 52	J.B. WILLIAMS	SOLEDAD AND ARRASTRE CANYON ROADS, ACTON
251	S	50-57	1565	34 13 28	118 14 24	L.M. DYSON	2908 FOOTHILL BOULEVARD, LA CRESCENTA
254	S	17-50	468	33 59 37	117 56 30	ORVILLE STEVENS	ROWLAND RANCH, ONE MILE EAST OF PUENTE
255A	S	31-55	770	34 02 51	117 50 50	M.P. LOWE	SAN JOSE HILLS NEAR SPADRA, MT. SAN ANTONIO COLLEGE
256B	S	32-44	882	34 03 26	118 17 11	M.M. KERSLAKE	FIFTH AND THOMAS STREETS, POMONA
257	SA	39-17	750	34 07 12	118 17 11	CARL VETCH	2650 NORTH COMMONWEALTH AVENUE, GRIFFITH PARK NURSERY
258A	S	38-97	1100	34 07 24	118 16 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	L.A. CO. F. & F.W. EMPLOYEES	21880 MAYAN DRIVE, TWIN LAKES PARK, CHATSORTH
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
263C	S	32-57	760	34 01 37	117 44 25	E.R. MITCHELL	745 COUNTRY DRIVE, POMONA
265C	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	33 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. QUILADA	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	C. WOOD	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	3P	40-87	670	34 07 41	118 06 40	G.L. BROWN	HUNTINGTON ESTATES, SAN MARINO
277	S	108-17	3700	34 43 15	118 35 00	HAZEL SKELTON	SAWMILL MOUNTAIN RANCH, 8.7 MILES NORTHWEST OF LAKE HUGHES
278B	S	26-86	203	34 02 00	118 18 58	JACK LIND	CLARK MEMORIAL LIBRARY, 2205 WEST ADAMS, LOS ANGELES
279C	S	41-11	1375	34 10 50	118 05 00	H.J. WEIDEN	1960 SIERRA MADRE VILLA AVENUE, PASADENA
280B	SA	40-01	1325	34 10 57	118 11 47	WRIGHT AND COLLINGS	1028 INVERNESS DRIVE, FLINTRIDGE FIRE STATION, FLINTRIDGE
283B	SA	65-67	5770	34 19 38	117 50 12	L.W. CAMMACK	CRYSTAL LAKE, EAST PINE FLAT AT U.S.F.S. STATION
284	S	59-22	1480	34 22 38	118 28 42	J. BRAZIL	PLACERITA CANYON, GAFFER RANCH, NEWHALL
285C	S	25-11	1025	34 05 10	118 28 57	MARTIN BULLINGER	12001 CHALON ROAD, SANTA MONICA MOUNTAINS, WEST LOS ANGELES
287	SP	43-36	782	34 08 22	117 51 54	L.A. WARREN	224 NORTH MICHIGAN AVENUE, GLENDORA
289	SP	15-52	140	33 58 38	118 08 45	D.O. COFFMAN	6301 SOUTH GARFIELD AVENUE, BELL
290B	S	28-75	320	34 02 39	118 07 40	CHIEF MC ELHANNON	2001 SOUTH GARFIELD AVENUE, MONTEREY PARK
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. McCAULEY	ENCINO DAM, ONE MILE SOUTHWEST OF ENCINO
293-E	SP	48-11	1150	34 17 18	118 28 54	F. ORTIZ	VAN NORMAN LAKE, LOWER DAM, SAN FERNANDO
294	SP	41-53	985	34 10 11	118 02 57	CARL REES	MIRA MONTE PUMP PLANT, MIRA MONTE AVE. AND MT. WILSON ROAD, SIERRA MADRE
295G	S	39-34	530	34 09 07	118 15 40	R. STAPENHORST	WEST LEXINGTON AVENUE, GLENDALE
296B	S	105-61	3650	34 47 18	118 49 54	DEWEY RALPH	ONE MILE EAST OF GORMAN
299C	S	88-26	2805	34 32 10	117 58 29	MRS. LENA SCHWAR	85TH STREET E. AND AVENUE 18, LITTLE ROCK
303F	SA	40-76	795	34 08 13	118 07 25	N.H. BROOKS	HILL AVENUE AND CALIFORNIA STREET, PASADENA
304	S	42-30	2725	34 11 39	117 57 50	F.D. KELLY	DEER PARK, 1.5 MILES ABOVE SAWPIT DAM
306C	S	21-56	8	34 01 50	118 50 32	TED BOEHME	TRANCAS BEACH, 30732 ROOSEVELT HIGHWAY, MALIBU
307	S	56-73	6300	34 16 05	117 37 35	H.A. NELSON	SNOW CREST CAMP, 15 MILES UP SAN ANTONIO CANYON FROM HIGHWAY 66
311B	SP AP	40-43	918	34 09 48	118 09 28	M.J. SIEVERT	1053 MENTONE STREET, PASADENA
312	SP	42-95	675	34 08 51	117 54 55	F. BARNES	ONE MILE NORTHWEST OF AZUSA
321-E	S	95-72	3275	34 40 27	118 25 49	L.A. CO. F. & F.W. EMPLOYEES	PINE CANYON PATROL BETWEEN ELIZABETH AND HUGHES LAKES
322	S	110-48	2600	34 42 50	118 21 15	E.S. MUNZ	BAILY ROAD, 14 MILES WEST OF LANCASTER
334B-E	SA	53-35	2330	34 14 37	117 57 37	F.C. WINDER	COGSWELL DAM, WEST FORK, SAN GABRIEL CANYON
336	SP	39-39	455	34 06 08	118 15 54	L.A.W.D. CARETAKER	SILVER LAKE RESERVOIR, LOS ANGELES
338A	S	52-47	5650	34 13 27	118 03 52	J.O. HICKOX	75 FEET SOUTH OF 60 INCH TELESCOPE, MOUNT WILSON
338B	SP A	52-37	5709	34 13 36	118 03 57	MRS. STRICKLAND	0.5 MILE WEST OF 60 INCH TELESCOPE, MOUNT WILSON AIRWAY STATION
339	SP	31-49	533	34 00 13	117 51 11	L.J. RICE	0.5 MILE SOUTHEAST OF WALNUT
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	G. BLANTON	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	L.A.C.F.C.D. EMPLOYEES	SCOTT PLACE, ONE BLOCK WEST OF MAIN STREET, BALDWIN PARK
349B	S	54-46	1530	34 14 20	117 51 36	H.M. DONAVAN	CAMP RINCÓN, WEST FORK SAN GABRIEL CANYON
351D	SP	86-81	2648	34 34 51	118 06 52	J. NICHOLS	816 AVENUE 67, PALMDALE
352	SA	21-21	1590	34 04 50	118 52 38	D. SMOLLEY	LECHUZA PATROL STATION, 4 MILES FROM PACIFIC COAST ON DECKER ROAD
355	S	27-01	335	34 05 21	118 17 34	C. THOMSON	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

TABLE VII

RAIN GAGE STATION LOCATION  
SEASON 1953 - 54

STA. NO.	TYPE GAGE	QUAD INDEX	ELEV. OF GAGE	NORTH LAT. ° ' "	WEST LONG. ° ' "	OBSERVER	LOCATION
367	SP A	50-42	3450	34 16 18	118 15 07	J.P. KINDRED	HEAD OF HAINES CANYON, ABOVE DIVERSION DAM
372	SP A	82-76	1580	34 32 02	118 31 27	CHIEF G. DOTY	SAN FRANCISCO CANYON, POWER HOUSE #2
373	SA	50-76	2310	34 14 16	118 13 42	L.R. BLEITZ	5613 CANYON SIDE DRIVE, LA CRESCENTA
375B	S	39-16	650	34 08 02	118 17 18	CHARLES H. ALLEN	GRIFFITH PARK ZOO, LOS ANGELES
377F	SP	33-04	1040	34 09 00	118 53 59	R. ROPER	LAKE SHERWOOD, AT FIRE STATION, VENTURA COUNTY
379B	SA	54-96	1600	34 14 10	117 48 18	F.K. DE VORE	EAST FORK, 2.7 MILES ABOVE FORKS, SAN GABRIEL CANYON
380	SA	26-11	553	34 04 54	118 11 02	GEORGE D. MORGAN	4566 BEDILLION STREET, EL SERENO
381B	S	25-08	100	34 01 06	118 29 50	R. GRIPENWALDT	1245 4TH STREET, SANTA MONICA
384B	S	40-26	825	34 06 43	118 12 02	FINLEY B. LAVERTY	502 LAKE VIEW ROAD, PASADENA
386C	S	21-71	1500	34 04 58	118 49 38	C. HIXON	DUKE CANYON, 1.2 MILES SOUTHWEST OF BACKUS ROAD AND MULHOLLAND HIGHWAY
387B	SP	31-01	508	34 05 02	117 53 57	H. SNOOGRASS	227 SOUTH HOLLINBECK AVENUE, COVINA
388B	B,81	9-40	71	33 53 30	118 09 33	CAPT. C.M. JONES	15538 SOUTH COLORADO AVENUE, PARAMOUNT
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	B,81	28-98	215	34 00 40	118 06 17	CHIEF C.W. COX	140 NORTH SIXTH STREET, MONTEBELLO
394	S	40-28	620	34 07 06	118 10 40	MRS. ELIZABETH S. STEVENS	6425 ELGIN STREET, HIGHLAND PARK
395	S	59-57	1425	34 19 31	118 26 56	W. DUNN	OLIVE VIEW SANITARIUM, SAN FERNANDO
402C	S	65-24	6665	34 21 18	117 52 32	H.D. JOHNSON	CEDAR SPRINGS STATE PRISON CAMP, 3 MILES WEST OF MT. ISLIP
404	S	39-54	653	34 09 29	118 14 25	JOHN OPID	811 NORTH GLENDALE AVENUE, GLENDALE
405	S	73-06	2250	34 26 15	118 17 38	FRED ECKLES	11.7 MILES EAST OF SOLEMINT ON SOLEDAD CANYON ROAD
406C	S	42-88	505	34 06 53	117 54 56	OLIVER ENGLER	17018 EAST GLADSTONE STREET, WEST AZUSA
407	S AP	58-82	1325	34 22 13	118 30 46	L.M. JUNO	ONE MILE SOUTHEAST OF NEWHALL - U.S.F.S. EAST 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
410D	S	81-13	2630	34 33 54	118 40 54	C. HUNTER	35817 HIGHWAY 99, CASTAIC
411C	S	16-11	170	33 59 20	118 04 58	C.W. ROBINSON	6004 SOUTH PASSONS BOULEVARD, RIVERA
415	SA	4-30	725	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 29	C.C. CURTIS	2666 LINCOLN AVENUE, ALTADENA
417	S	41-05	742	34 08 56	118 05 42	MANAGER L.FAMAN	150 NORTH VINEDO STREET, LAMANDA PARK
419B	ST	61-92	5450	34 22 26	118 12 20	L.A.C.F.C.D. EMPLOYEES	HEAD OF PACOIMA CANYON ON SANTA CLARA RIDGE, 2.5 MILES WEST OF MT. GLEASON
420A	S	74-07	3100	34 25 20	118 11 52	C.C. BREVIODORO	3.3 MILES SOUTH OF ACTON ON MT. GLEASON TRUCK TRAIL
421B	SP	48-91	1178	34 17 09	118 24 28	WARD HINKLE	11728 DORNFIELD 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
423B	S	75-08	3900	34 25 02	118 05 33	EARL W. SCRIBNER	ALISO CANYON, 1.1 MILES BELOW ANGELES CREST HIGHWAY
425B-E	SA	54-39	1481	34 12 19	117 51 40	E.K. DE VORE	SAN GABRIEL DAM, NEAR SPILLWAY
427	S	15-64	127	33 57 28	118 08 12	L.W. JORDAN	7535 FLORENCE AVENUE, DOWNEY
430	S	70-57	1176	34 25 17	118 32 26	SOUTHARD AND HARVEY	SAUGUS, AT STATE HIGHWAY MAINTENANCE YARD
432	S	52-89	2035	34 12 27	118 01 03	L.A.C.F.C.D. EMPLOYEES	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	600	34 07 57	118 45 08	L.A. CO. F. & F.W. EMPLOYEES	MALIBU DIVISION HEADQUARTERS, 0.8 MILES SOUTHWEST OF AGOURA
435	SA	23-12	690	34 04 40	118 41 23	CAPT. 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 47 27	118 10 08	J. VIDMAR	HAMILTON BOWL, 1910 WALNUT AVENUE, LONG BEACH
4406	S	63-97	5250	34 19 37	118 00 17	ARTHUR H. MILLS	CHILAO, U.S.F.S. CAMP
441B-E	S	86-82	2662	34 34 31	118 06 53	WAYNE STICE	COUNTY ROAD DEPARTMENT MAINTENANCE YARD, 0.4 MILES SOUTH OF PALMDALE
442	SP	78-53	3810	34 28 09	117 44 45	E.A. EERLE	NEAR MESCAL CREEK ON FORT TEJON ROAD, LLANO
443B	S	21-80	1700	34 06 35	118 48 53	O.A. BEACH	SANTA MONICA MOUNTAINS, SOUTH SOUTHWEST OF MULHOLLAND HWY. AND BACKUS RD.
444C	SA	2-52	490	33 46 34	118 20 36	J.H. ROBERTSON	PALOS VERDES HILLS AT PALOS VERDES DRIVE AND PORTUGUESE ROAD
445B	SA	44-56	1510	34 08 02	117 44 38	G. MIDDLETON	LIVE OAK DAM, NORTH OF LA VERNE
446	SA	58-48	2367	34 19 00	118 33 27	A. MOSS	5.5 MILES NORTH OF DEVONSHIRE STREET IN ALISO CANYON - SANTA SUSANA MTS.
447B	S	23-65	145	34 02 47	118 38 18	LLOYD SCHNEIDER	0.7 MILES FROM PACIFIC COAST IN LAS FLORES CANYON
449B	SA	41-03	875	34 10 06	118 05 33	H.F. WILSON	EATON DAM, ALTADENA
451B	S	69-83	1066	34 27 52	118 36 57	L.A. CO. F. & F.W.	30055 HIGHWAY 99, CASTAIC
452B	SA	40-21	1090	34 11 10	118 10 23	K.M. YORK	DEVIL'S GATE DAM AT CARPENTERS HOUSE - PASADENA
455	S	99-61	2395	34 40 57	118 08 03	L.R. POTTER	STATE HIGHWAY MAINTENANCE YARD, 1.1 MILES SOUTH OF LANCASTER
456	S	102-54	2680	34 39 02	117 50 55	E. OLIVER	PIUTE BUTTE, 22 MILES EAST OF LANCASTER, 14 MILES NORTH OF LLANO
458	S	22-08	115	34 01 10	118 47 46	CAPT. D.S. BARNES	28722 ROOSEVELT HIGHWAY, ZUMA PATROL STATION
460B	S	76-64	3966	34 27 35	117 55 58	NOAL NEAL	PLEASANT VIEW MESA, SOUTH OF PEARLBLOSSOM HIGHWAY AND EAST OF AVE. 106 E.
461	S	26-29	392	34 00 08	118 22 32	G.D. ASHDOWN	ONE MILE NORTH OF SLAUSON AVENUE, BALDWIN HILLS
462B	S	25-95	185	34 02 54	118 24 06	WILLIAM STEWART	HILLCREST COUNTRY CLUB, 10,000 PICO BOULEVARD, LOS ANGELES
463	S	25-78	92	34 00 49	118 25 32	JIM ALLISON	11637 CHARNOCK ROAD, SOUTHERN CALIFORNIA WATER COMPANY, MAR VISTA
464	S	51-40	3300	34 17 59	118 09 35	SGT. J.F. GARVIN	HONOR CAMP #5, ANGELES FOREST HIGHWAY, TUJUNGA CANYON
465B	S AP	37-33	675	34 09 48	118 27 59	U.S.C. OF E. EMPLOYEES	SEPULVEDA DAM, VAN NUYS
466B	SA	60-54	3225	34 21 07	118 20 38	MRS. MARTHA J. GIFT	PACOIMA CANYON, DUTCH LOUIS CANYON
468	S	50-77	1600	34 13 15	118 13 45	E. CLAIRE	PICKENS OEBRIS BASIN, NORTH OF FOOTHILL BLVD, EAST OF BRIGGS TERRACE AVE.
469	SP	27-14	235	34 03 19	118 17 25	R.F. ORISLER	1015 MAGNOLIA AVENUE, LOS ANGELES
470	SP A	63-01	4600	34 23 19	118 05 26	S. BLAKELY	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. ALMENDINGER	8917 STATE STREET, SOUTH GATE
475	S	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, 0.5 MILES ABOVE LOBO CANYON IN TRIUNFO CANYON, CORNELL
477B	SA	53-28	4715	34 13 06	117 58 39	O.R. WATKINS	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, PEARLBLOSSOM HIGHWAY, VALYERMO
480D	S	41-49	404	34 06 32	118 03 27	CAPTS. ARNSPAGER 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, CIVIL ENGINEERING BUILDING, U.S.C., LOS ANGELES
486B	SA	55-83	3855	34 15 49	117 42 38	J.W. WIDMAR	COLDWATER CANYON, 3.5 MILES ABOVE JUNCTION WITH CATTLE CANYON
488	S	49-20	1450	34 17 47	118 22 29	ROY KEAT	KAGEL CANYON ROAD AND DEXTER ROAD, SAN FERNANDO
489	S	23-40	1318	34 05 39	118 39 23	MISS B.E. STUNT	COLD CREEK CANYON, 3.2 MILES ABOVE MONTE NIDO PATROL STATION
490	S	101-42	2472	34 40 46	117 57 06	G. JOHNSON	NORTH SIDE OF TIERRA BONITA (AVE. K) ON WEST SIDE OF 100TH ST. E. LANCASTER
491B	S	24-75	330	34 02 45	118 31 45	C.D. CLEARWATER	855 VIA DE LA PAZ, PACIFIC PALISADES, SANTA MONICA
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	P. MENZELL	2.7 MILES SOUTH OF SOLEDAD CANYON ROAD, WEST OF SAND CANYON ROAD
494B	S	29-19	181	34 00 13	118 05 08	IRA D. CATE	4901 COLUMBIA AVENUE, PICO
497	B,81	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	S. BLAKELY	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
517B	SA	77-18	4700	34 25 00	117 53 10	MRS. B.M. ANDERSEN	ANDERSEN RANCH, PLEASANT VIEW RIDGE, PALLET CREEK
530	SP	33-11	650	34 10 55	118 53 15	J.E. TRAYLOR	CONEJO RANCH, 1.5 MILES EAST OF NEWBURY PARK
542-E	SP	109-79	3050	34 42 15	118 25 40	L.A.W.D. EMPLOYEES	LOS ANGELES AQUEDUCT RESERVOIR, FAIRMONT
551	SP	V. 69	34 19	34 08 39	118 06 28	U.S. LIGHTHOUSE EMPLOYEE	ROSE LIGHTHOUSE, VENTURA COUNTY
557	3P	17-57	300	33 55 44	117 56 48	MR. BRAY	CITRUS ASSOCIATION, 305 SOUTH HIATT STREET, LA HABRA, ORANGE COUNTY
565B	AP	3-91	11	33 47 16	118 12 08	LONG BEACH CITY EMPLOYEES	1607 SAN FRANCISCO STREET, LONG BEACH
566	SP	4-52	15	33 46 46	118 08 36	LONG BEACH CITY EMPLOYEES	10TH AND ROSWELL STREETS, LONG BEACH
571C	SP	4-63	25	33 45 45	118 08 23	LONG BEACH CITY EMPLOYEES	4423 EAST SECOND STREET, LONG BEACH
575C	SP	4-02	63	33 46 29	118 11 30	MR. TEED	6TH AND PINE STREETS, LONG BEACH
577F	SP AP	27-54	548	34 03 19	118 14 26	U.S.W.B. EMPLOYEES	FEDERAL BUILDING, 312 NORTH SPRING STREET, LOS ANGELES
587	SP	45-22	2425	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. MCGILL	NEWHALL RANCH, NEAR SANTA CLARA RIVER, VENTURA COUNTY
598	SP	107-91	3000	34 47 00	118 36 30	U.S.W.B. EMPLOYEES	WEST END OF LANCASTER ON BAILY ROAD, NEENACH
610A	SP	40-73	980	34 10 04	118 07 21	MORRIS JONES	1250 NORTH HOLLISTON STREET, PASADENA
610B	SP	40-55	854	34 08 55	118 08 36	R.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

TABLE VII  
RAIN GAGE STATION LOCATION  
SEASON 1953 - 54

STA. NO.	TYPE GAGE	QUAD INDEX	ELEV. OF GAGE	NORTH LAT. ° ' "	WEST LONG. ° ' "	OBSERVER	LOCATION
6174	SP	32-23	855	34 04 03	117 46 23	J.E. ADAMSON	931 NORTH WEBER STREET, POMONA
618B	3P	V. CO.	1070	34 17 12	118 43 06	F.A. SNYDER	TAPO CITRUS ASSOCIATION, 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	85	33 43 15	118 16 17	U.S.W.B. EMPLOYEES	WAREHOUSE #1, LOS ANGELES OUTER HARBOR, SAN PEDRO
634B	SP	25-08	138	34 00 40	118 29 28	T.M. DONAHUE	CITY HALL, SANTA MONICA
644	3P	V. CO.	300	34 15 40	118 59 48	E.A. SNYDER, JR.	SNYDER RANCH - SOMIS
647D	SP	50-03	1690	34 15 43	118 17 33	F.P. STEVENS	10600 MOUNTAIN AVENUE, TUJUNGA
650B	SP	45-25	1650	34 08 20	117 40 25	MR. BAIRD	1455 WEST 21ST STREET, UPLAND, SAN BERNARDINO COUNTY
660	SP	V. CO.	49	34 11 26	119 10 27	U.R.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 AP	9-23	50	33 51 37	118 10 43	LONG BEACH CITY EMPLOYEES	SOUTH AND LEMON STREETS, LONG BEACH
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	PLANT OPERATORS	SAN GABRIEL RIVER AT OCEAN BOULEVARD, SEAL BEACH, ORANGE COUNTY
676	4 1/2 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	483	34 04 17	118 26 27	F.A. ARSENAULT	U.C.L.A. CAMPUS, DEPARTMENT OF METEOROLOGY, WESTWOOD
681A	S	41-62	890	34 10 11	118 01 54	RUPERT POLE	2219 NORTH SANTA ANITA, SIERRA MADRE
683	SP AP	51-58	2110	34 12 53	118 08 48	U.S.F.S. EMPLOYEES	SUNSET GUARD STATION BETWEEN MILLARD AND WEST RAVINE CANYONS
685B	8P	40-55	608	34 06 59	118 08 03	CARL V. COOPER	2814 CARLISLE ROAD, SAN MARINO
691	B, 8I	45-14	2090	34 09 20	117 40 25	G.A. RITTER	SAN ANTONIO SPREADING GROUNDS, MOUTH OF SAN ANTONIO CANYON
695B	S	50-71	1850	34 17 12	118 13 32	L.J. CANNON	TUJUNGA CANYON AT YOGEL FLAT
696	SP	41-21	1400	34 10 54	118 04 42	ROBERT CASAMAJOR	2036 PASADENA GLEN ROAD, PASADENA GLEN
703	SP	39-54	603	34 09 02	118 14 29	P.T. MCINTYRE	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
715B	S AP	27-64	282	34 03 35	118 14 07	L.A. CITY EMPLOYEES	P.O. TERMINAL ANNEX, MACY AND ALAMEDA STREETS, LOS ANGELES
716	SP	27-64	295	34 03 10	118 14 13	P.T. MCINTYRE	410 DUCOMMIN STREET, LOS ANGELES
718	SP	33-63	870	34 10 16	118 50 35	E. ZIEMER	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. STRATHMAN	AVENUE N AND AVENUE 60 WEST, LANCASTER
723	SP AP	37-46	875	34 08 13	118 27 25	L.A. CITY W.D. EMPLOYEES	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	U.S. C. OF E. EMPLOYEES	BIRMINGHAM HOSPITAL, NEAR VAN OWEN STREET AND DALBOA BLVD., VAN NUYS
726	S AP	51-16	2300	34 14 00	118 10 30	S. BLAKELY	ANGELES CREST GUARD STATION AT FALLS CANYON, ARROYO SECO
727	SP	52-76	4160	34 13 50	118 01 35	O.R. WATKINS	NEWCOMB PASS, 2 MILES NORTHEAST OF MT. WILSON
728	SP	60-93	3000	34 21 40	118 18 28	U.S.F.S. EMPLOYEE	PACOMA CANYON BETWEEN NOEL AND GOOSEBERRY CANYON
730	SP	51-67	2800	34 13 30	118 07 50	U.S.F.S. EMPLOYEE	NEAR DAWN MINE, MILLARD CANYON, ARROYO SECO
731	SP	40-20	1100	34 11 50	118 10 10	U.S.F.S. EMPLOYEE	OAK GROVE PARK, ABOVE DEVIL'S GATE DAM, PASADENA
732B	ST	53-77	4160	34 13 30	117 55 15	FLOOD CONTROL EMPLOYEES	BETWEEN ROBERTS CANYON AND SAN GABRIEL - W. FORK, NEAR PINE MOUNTAIN
734	SP	13-16	102	33 56 04	118 23 05	U.S.W.D. EMPLOYEE	MINES FIELD, 5901 WEST IMPERIAL HIGHWAY, LOS ANGELES
735	AP	35-40	915	34 11 42	118 39 27	U.S. C. OF E. EMPLOYEES	PLATT RANCH, NEAR BELL CANYON, WEST OF CANOGA PARK
737	SP	V. CO.	4600	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, LINDHEWA RANCH, VENTURA COUNTY
740B	AP	45-00	5200	34 12 00	117 41 45	U.S.F.S. EMPLOYEES	SAN DIMAS CANYON, FERN CANYON
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 MOJAVE, BACKUS RANCH, KERN COUNTY
747	SP AP	106-75	4517	34 44 47	118 43 29	U.S.W.B. EMPLOYEES	SANDBERG AIRWAYS - TOP OF BALL MOUNTAIN
749	SP AP	38-50	699	34 12 00	118 20 56	U.S.W.B. EMPLOYEES	ROOF ADMINISTRATION BUILDING, LOCKHEED AIRFIELD, BURBANK
750	SP	100-18	2536	34 36 59	118 05 02	U.S.W.B. EMPLOYEES	C.A.A. AIRWAY COMMUNICATION STATION, PALMDALE
751	SP	7-86	80	33 50 00	118 18 58	FIRE DEPARTMENT EMPLOYEES	1523 CRAVEN AVENUE, TORRANCE
752	SP	41-95	503	34 08 49	118 00 17	J.E. GEARY	428 WEST LEMON AVENUE, MONROVIA
755	AP	39-17	900	34 07 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	890	34 08 29	118 24 26	L.A. CITY EMPLOYEES	3913 GOODLAND AVENUE, STUDIO CITY
761	SP	37-46	1190	34 08 02	118 27 32	L.A. CITY EMPLOYEES	STONE CANYON, NORTH
762	AP	37-47	925	34 07 28	118 27 17	L.A. CITY EMPLOYEES	UPPER STONE CANYON
763B	SP	37-29	1300	34 06 25	118 28 26	L.A. CITY EMPLOYEES	SEPULVEDA CANYON - EAST FIRE ROAD
764	SP	37-59	890	34 06 34	118 27 01	L.A. CITY EMPLOYEES	STONE CANYON - 2302 RAIL LANE
765B	SP	37-26	1325	34 07 52	118 28 42	L.A. CITY EMPLOYEES	15801 MULHOLLAND DRIVE
766	AP	36-97	1625	34 07 38	118 30 03	L.A. CITY EMPLOYEES	MANDEVILLE CANYON - FIRE ROAD NO. 24
767	SP	36-98	1225	34 07 12	118 30 12	L.A. CITY EMPLOYEES	3351 MANDEVILLE CANYON ROAD
768	SP	36-87	1465	34 07 19	118 30 52	L.A. CITY EMPLOYEES	SULLIVAN CANYON - FIRE ROAD #26
769	SP	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 - PASO MIRAMAR
771	AP	24-94	265	34 03 06	118 30 32	L.A. CITY EMPLOYEES	RUSTIC CANYON, SANTA MONICA MOUNTAINS
772	AP	27-41	475	34 05 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
775	AP	27-55	249	34 02 23	118 14 46	L.A. CITY EMPLOYEES	8TH AND CROCKER STREETS, LOS ANGELES
776	SP	38-37	1025	34 07 16	118 21 46	L.A. CITY EMPLOYEES	NICHOLS CANYON NEAR MULHOLLAND DRIVE, SANTA MONICA MOUNTAINS
777	SP	25-13	405	34 03 43	118 28 50	L.A. CITY EMPLOYEES	KENTER CANYON, 259 NORTH KENTER AVENUE, SANTA MONICA MOUNTAINS
778B	SP	25-21	585	34 04 52	118 28 13	L.A. CITY EMPLOYEES	11817 BELLAGIO ROAD, SEPULVEDA CANYON, SANTA MONICA MOUNTAINS
779	AP	39-05	625	34 08 50	118 17 50	L.A. CITY EMPLOYEES	GRIFFITH PARK, LOWER MINERAL WELLS
780	AP	38-95	1025	34 08 33	118 18 08	L.A. CITY EMPLOYEES	GRIFFITH PARK, UPPER MINERAL WELLS
783	SP AP	51-28	1268	34 12 45	118 10 14	U.S.F.S. EMPLOYEES	MOUTH OF COON CANYON IN ARROYO SECO
784	SP	51-38	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 MILE ABOVE MOUTH OF COON CANYON IN ARROYO SECO
786	SP	51-37	2207	34 13 18	118 09 50	U.S.F.S. EMPLOYEES	0.75 MILE ABOVE MOUTH OF COON CANYON IN ARROYO SECO
787	SP	51-38	2022	34 13 09	118 09 51	U.S.F.S. EMPLOYEES	0.6 MILE ABOVE MOUTH OF COON CANYON ON EAST SLOPE, ARROYO SECO
788	SP	51-38	1825	34 13 00	118 09 58	U.S.F.S. EMPLOYEES	0.4 MILE ABOVE MOUTH OF COON CANYON IN ARROYO SECO
789	SP	51-47	2035	34 13 17	118 09 19	U.S.F.S. EMPLOYEES	2.6 MILES NORTHWEST OF CHERRY TRAIL AND LOMA ALTA DRIVE, ALTADENA
790	SP	V. CO.	470	34 23 54	118 55 06	CITRUS ASSOC. EMPLOYEES	FILMORE CITRUS ASSOCIATION, VENTURA COUNTY
791	SP	V. CO.	150	34 16 09	119 08 08	LEMON ASSOC. EMPLOYEES	CULBERTSON LEMON ASSOC., SATEICO, VENTURA COUNTY
792	SP	V. CO.	290	34 21 12	119 03 48	AGRICULTURE EMPLOYEES	COUNTY AGRICULTURE OFFICE, SANTA PAULA, VENTURA COUNTY
793	SP	51-96	5300	34 14 20	118 06 00	U.S.F.S. EMPLOYEES	MARKHAM SADDLE, 0.6 MILES WEST OF MT. WILSON
794	SP	25-80	585	34 05 43	118 24 42	L.A.W.D. EMPLOYEES	LOWER FRANKLIN RESERVOIR, SANTA MONICA MOUNTAINS
795	SP	41-15	710	34 08 48	118 05 15	P.W.D. EMPLOYEES	NEAR COLORADO STREET AND KINNELOA AVENUE, PASADENA
796	AP	27-61	700	34 04 55	118 14 22	L.A. CITY EMPLOYEES	REPOSA STREET AND AVALON PARK ROW, ELYSIAN PARK
797	SP	47-12	1127	34 16 19	118 35 12	L.A.W.D. EMPLOYEES	NORTH END OF DE SOTO STREET, NORTHEAST OF CHATSWORTH
799	SP	26-39	460	34 00 25	118 21 47	L.A.W.D. EMPLOYEES	0.7 MILE SOUTH OF SANCHEZ DRIVE AND CLOVERDALE AVENUE, BALDWIN HILLS
801	AP	61-10	4450	34 23 45	118 17 12	U.S. C. OF E. EMPLOYEES	NORTH OF SANTA CLARA DIVIDE ON MAGIC MOUNTAIN
802	SP	40-15	865	34 08 42	118 11 21	MR. HAYWARD	HILLMONT AND CEDAR EDGE AVENUE, EAGLE ROCK
804	SP	38-95	987	34 08 35	118 18 12	L.A. CITY EMPLOYEES	NORTH CANYON - GRIFFITH PARK, NORTH END OF PARK
805	AP	39-39	435	34 06 28	118 15 49	BEIN PACHECO	2771 ROWENA AVENUE - NEAR SILVER LAKE HEIGHTS, LOS ANGELES
806	AP	27-40	565	34 05 56	118 15 23	W.C. OLSON	2376 TEVIOT STREET, SILVER LAKE HEIGHTS, LOS ANGELES
1000	S	87-38	3263	34 30 48	118 03 37	L.A. BONES	HUNT CANYON, 1.0 MILE SOUTH OF FORT TEJON ROAD, S.W. OF LITTLE ROCK
1002	S	50-03	1605	34 16 03	118 17 50	F.P. EADE	7618 LE BERTHON STREET, TUJUNGA
1005	S	84-48	2350	34 30 47	118 21 31	R.E. TAGGART	MINT CANYON AND SPADE SPRING CANYON NEAR THE OAKS, N.E. OF SAUGUS



TABLE VII  
RAIN GAGE STATION LOCATION  
SEASON 1953 - 54

STA. NO.	TYPE GAGE	QUAD INDEX	ELEV. OF GAGE	NORTH LAT. ° ' "	WEST LONG. ° ' "	OBSERVER	LOCATION
1006	SA	3-05	150	33 44 37	118 17 47	B. ALTON	FIRST AND MEYLER STREETS, SAN PEDRO
1007b	S	64-25	5900	34 20 40	117 58 41	DONALD GITT	CAMP VALCREST, ANGELES CREST HIGHWAY, NORTHEAST OF CHILAO
1008-E	SA	7-63	85	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, 17262 SIERRA HIGHWAY, EAST OF SAUGUS
1010b	SA	44-93	2150	34 09 36	117 42 07	GEORGE MIDDLETON	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	W.G. NEWHON	CASTAIC JUNCTION, HIGHWAY 99 AND VENTURA HIGHWAY
1013b	SA	61-39	1650	34 18 00	118 16 06	S. BLAKELY	TUJUNGA CANYON ABOVE GOLD CANYON
1014-D-E	SA	15-90	155	33 59 25	118 06 35	R.H. WALKER	8020 WASHINGTON BOULEVARD, EAST OF RIO HONDO
1016	S	34-63	1000	34 09 43	118 44 09	S.W. SWANSON	PALO COMADO CANYON, 1.7 MILES NORTH OF VENTURA BOULEVARD, AGOURA
1017	SA	75-83	3330	34 27 51	118 01 09	L. TURNER	LITTLE ROCK CREEK ABOVE SANTIAGO CREEK
1018	ST	57-96	3515	34 20 19	118 36 34	FLOOD CONTROL EMPLOYEES	SANTA SUSANA MTS., TOWNSLEY CANYON AND DEVIL'S CANYON DIVIDE
1019	ST	57-34	2850	34 21 26	118 39 42	FLOOD CONTROL EMPLOYEES	SANTA SUSANA MTS., AT HEAD OF SALT CANYON
1020	S	45-05	1910	34 08 54	117 41 33	CAPTAIN FIRM	PADUA HILLS PATROL STATION, 4349 PADUA AVENUE, CLAREMONT
1021	ST	61-14	4500	34 21 03	118 16 53	FLOOD CONTROL EMPLOYEES	YERBA BUENA TRAIL BETWEEN S. FORK, PACOIMA CANYON AND SLAUGHTER CN.
1022	S	89-12	1710	34 28 45	118 41 08	R. FORD	HASLEY CANYON, 5 MILES ABOVE JUNCTION WITH CASTAIC CREEK
1023b	S	36-27	1415	34 07 44	118 34 42	W. SPEER	GARRAPATA CN, 0.45 MILE S. MULHOLLAND HIGHWAY ON SANTA MARIA ROAD
1024b	S	36-07	1050	34 07 20	118 35 29	BOB DEWITT	GARRAPATA CANYON BELOW MINERAL SPRINGS, NORTH OF TOPANGA P.O.
1025	S	22-86	160	34 02 02	118 42 43	PHILLIP DUNNE	24708 PACIFIC COAST HIGHWAY, MALIBU BEACH
1028	S	22-63	1300	34 03 37	118 44 23	EDWARD STEWART	3 MILES FROM PACIFIC OCEAN IN CORRAL CANYON
1029	S	63-10	4950	34 23 27	118 04 50	RAY ARNOLD	TIE CANYON DIVIDE, SOUTH OF ANGELES FOREST HIGHWAY
1030	ST	65-65	7590	34 20 50	117 49 57	FLOOD CONTROL EMPLOYEES	BETWEEN MOUNT ISLIP AND LITTLE JIMMY SPRINGS
1031	ST	64-65	7865	34 20 28	117 55 53	FLOOD CONTROL EMPLOYEES	0.5 MILE NORTHEAST OF WATERMAN MOUNTAIN
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	SA	16-40	280	33 59 52	118 03 10	WALTER J. WOOD	1411 BEVERLY DRIVE, WHITTIER
1036	S	60-58	1900	34 19 54	118 20 37	FRANK SHUBERT	5.4 MILES ABOVE FOOTHILL BOULEVARD IN LITTLE TUJUNGA CANYON
1037-E	S	41-45	525	34 08 38	118 03 10	J.T. MCGAH	291 NORTH OLD RANCH ROAD, ARCADIA
1038	ST	63-62	6925	34 22 44	118 01 53	FLOOD CONTROL EMPLOYEES	SOUTHEAST OF PACIFICO MOUNTAIN, SAN GABRIEL MOUNTAINS
1039	S	26-82	270	34 04 41	118 18 44	DR. DON MAC QUEEN	643 SOUTH WILTON PLACE, LOS ANGELES
1040	S	57-60	1150	34 23 50	118 38 18	SUNRAY OIL PUMPS	4 MILES SOUTHWEST OF SANTA CLARA RIVER AND HIGHWAY 99
1041b	8.81P AP	42-28	427	34 06 52	117 58 20	TOM RAY	SANTA FE DAM EAST OF SPILLWAY, SOUTH OF MONROVIA
1042	SP	2-73	825	33 45 37	118 19 47	C. WOOD	EASTFIELD GATE - ROLLING HILLS
1043	SP	2-66	950	33 44 12	118 19 57	C. WOOD	EASTCREST GATE - ROLLING HILLS
1044	SP	2-46	150	33 44 20	118 21 30	C. WOOD	YACHT HARBOR DRIVE - PALOS VERDES DRIVE SOUTH
1045	SP	1-95	250	33 44 57	118 24 25	C. WOOD	CREST ROAD - PALOS VERDES DRIVE WEST
1046	S	41-70	2175	34 11 48	118 01 20	J.L. BROWN	NORTH END OF CHANTRY FLAT - SANTA ANITA CANYON
1047	S	30-75	400	34 02 32	117 55 40	G.J. REINHARD	16129 MEADOWSIDE STREET, PUENTE
1048	S	50-47	1410	34 13 29	118 15 23	O.D. LANGERUD	3916 DUNSMORE STREET, LA CRESCENTA
1049	S	49-58	930	34 13 02	118 20 41	CLAUD SABIN	NORTH END HOLLYWOOD WAY, NORTH OF BURBANK
1050	S	35-29	1010	34 06 29	118 37 41	FERMIN GRAY	1535 VALLEY DRIVE, TOPANGA
1051	SP	36-21	800	34 10 53	118 34 23	LEE HAINES	6201 WINNETKA AVENUE, C.W. PIERCE COLLEGE, CANOGA PARK
1052	SP	24-71	660	34 05 00	118 31 17	PAUL WEISS	3000 RUSTIC CANYON, B.S.A. CAMP JOSEPHO
1053	S	50-02	1500	34 16 42	118 17 43	K.A. SOLOMON	TUJUNGA CANYON, 1.7 MILES ABOVE FOOTHILL BOULEVARD
1054	S	59-87	1730	34 19 35	118 24 45	TOM REED	1.6 MILES NORTHEAST OF FOOTHILL BOULEVARD AND SAYRE STREET
1055	S	S.B. CO.	7800	34 16 25	117 36 50	W. MESSER	2.1 MILES SOUTHWEST OF SAN ANTONIO PEAK AT THE NOTCH
1056	S	113-72	2315	34 46 20	118 01 40	H.A. MCCARGER	5701 EAST AVENUE E, LANCASTER
1057	S	29-48	223	34 01 52	118 03 05	G. STULTZ	664 NORTH DURFEE ROAD, WHITTIER NARROWS
1058	AP	67-00	2590	34 35 45	118 05 35	IRRIGATION DISTRICT EMPLOYEES	1.7 MILES NORTHEAST OF PALMDALE
1059	ST	65-98	7750	34 11 48	117 48 35	L.A.C.F.C.D. EMPLOYEES	SOUTH HAWKINS PEAK EAST OF CRYSTAL LAKE
1060	SA	76-28	3925	34 25 02	117 58 17	C.C. BEARDSLEY	LITTLE ROCK CANYON AT SYCAMORE DAM
1061	SA	42-44	1025	34 09 18	117 57 22	VICTOR KLEIN	SPRINGS CANYON, QUARTER
1062	SA	84-85	6660	34 20 45	117 55 12	BILL THOMPSON	BUCKHORN FLAT, 1.25 MILES NORTHEAST OF WATERMAN MOUNTAIN
1063	S	75-00	3610	34 29 38	118 05 24	J.C. JOHNSTON	SOLEDAD PASS 1.6 MILES EAST OF ANGELES FOREST HIGHWAY
1064	S	55-35	2000	34 14 35	117 45 40	A. WINDEN	SAN GABRIEL CANYON - EAST FORK ABOVE CATTLE CANYON
1065	S	23-12	900	34 04 28	118 41 14	R.S. HASSAN	WEST SADDLE PEAK, SANTA MONICA MOUNTAINS
1066	SP	9-88	26	33 48 48	118 06 55	LONG BEACH CITY EMPLOYEES	WOODRUFF AVENUE AND ADDERLEY DRIVE, LONG BEACH
1067	S	75-35	4500	34 26 36	118 04 00	LEE TURNER	HEAD OF SANTIAGO CANYON, 2 MILES EAST OF ANGELES CREST HIGHWAY
1068	S	21-31	1290	34 05 00	118 51 57	D.J. TREMBLY	RATTLESNAKE CANYON, SANTA MONICA MOUNTAINS
1069	ST	55-51	2825	34 16 58	117 44 48	A.J. WINDEN	SAN GABRIEL RIVER-EAST FORK ABOVE DEVIL'S GULCH
1070	S	7-11	182	33 53 00	118 23 19	D.A. GIERLICH	6TH STREET AND ROWELL AVENUE, MANHATTAN BEACH
1071-E	S	50-99	1275	34 12 07	118 12 31	H. ASPER	1418 DESCANSO DRIVE, DESCANSO GARDENS, LA CANADA
1072	SP	49-30	1300	34 17 37	118 21 38	H.G. LITTEN	LITTLE TUJUNGA CANYON, 2 MILES ABOVE FOOTHILL BOULEVARD
1073	SP	67-35	2810	34 32 32	118 03 46	MRS. HAZEL THOMAS	3640 E. AVENUE 16, PALMDALE
1074	SA	62-42	5600	34 22 46	118 09 03	H.W. GRAY	WEST OF LITTLE GLEASON ON SANTA CLARA RIDGE
1075	AP	44-73	3625	34 10 12	117 43 17	L.F. REIMAN	SAN DIMAS EXPERIMENTAL FOREST AT HEAD OF WOLFSKILL CANYON
X-6	SA	36-86	1240	34 08 15	118 30 57	H. MCCAULEY	0.4 MILE SOUTH OF ENCINO RESERVOIR, ENCINO
X-9b	S	98-61	2362	34 41 11	118 13 53	J. KALPAKOFF	1320' EAST OF 60TH STREET WEST AND SOUTH OF AVENUE J, LANCASTER
X-10	S	109-33	2820	34 45 40	118 27 55	L.M. BARNES	190TH STREET WEST AND ONE MILE NORTH HIGHWAY 138, FAIRMONT
X-11	8.81	K. CO.	2450	35 00 00	117 40 00	REV. F. REAVES	404 NORTH ROBERTS AVENUE, BORON
X-12	8.81	90-81	2910	34 04 50	117 43 10	G.K. FITCH	230TH STREET EAST AND AVENUE O-B, WILSONA
X-15	S	116-16	3075	34 44 06	117 46 58	M.R. CARD	195TH STREET EAST AND AVENUE G, HUNTINGTON

LEGEND REGARDING GAGE TYPE AND OWNERSHIP

S	STANDARD 8" DIAMETER GAGE OWNED BY FLOOD CONTROL DISTRICT	3"P	STANDARD 3" DIAMETER GAGE PRIVATELY OWNED
A	AUTOMATIC GAGE OWNED BY FLOOD CONTROL DISTRICT	8.81	SPECIAL TYPE COLLECTOR RING, (8.81" DIAMETER) WITH A GLASS GRADUATE MEASURING TUBE
ST	STORAGE TYPE GAGE OWNED BY FLOOD CONTROL DISTRICT		
SP	STANDARD 8" DIAMETER GAGE PRIVATELY OWNED	AP	AUTOMATIC GAGE PRIVATELY OWNED
6"P	STANDARD 6" DIAMETER GAGE PRIVATELY OWNED	SUFFIX B OR C	DENOTES SECOND AND THIRD LOCATION OF STATION IN SAME LOCALITY UNDER NEARLY SAME CONDITIONS
4 1/2"P	STANDARD 4 1/2" DIAMETER GAGE PRIVATELY OWNED	SUFFIX E	DENOTES EVAPORATION PAN AT STATION

QUAD INDEX NUMBERS

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

TABLE VIII

## RAIN GAGE STATION LOCATION

SEASON 1954 - 55

STA. NO.	TYPE GAGE	QUAD INDEX	ELEV. OF GAGE	NORTH LAT.		WEST LONG.		OBSERVER	LOCATION		
				°	'	°	'				
6	SA	24-01	747	34	05	08	118	35	58	CAPT. VENNEMAN & CAPT. LOGGINS	4015 TOPANGA BOULEVARD, 0.5 MILES SOUTH OF TOPANGA POST OFFICE
7D	S	24-46	50	34	02	22	118	33	23	L.M. BACH	17381 SUNSET BOULEVARD, PACIFIC PALISADES
30B	SP	59-26	1250	34	18	40	118	28	20	M. FUSANO	13143 SAN FERNANDO ROAD, SAN FERNANDO
32C	S	58-61	1243	34	23	07	118	31	54	CHIEF P. CLARK	1457 SAN FERNANDO ROAD, NEWHALL
44	S	1-85	125	33	44	30	118	24	38	A.M. SACCOMAGNO	POINT VICENTE LIGHTHOUSE
47C	S	51-22	3125	34	16	45	118	10	27	S. BLAKELY	CLEAR CREEK NEAR ANGELES FOREST HIGHWAY
57B-E	SP A	52-04	4250	34	15	18	118	05	41	F.X. BENTON	WEST FORK SAN GABRIEL RIVER, OPID'S (CAMP HI-HILL)
58	S	52-67	3225	34	13	51	118	02	19	L.A.C.F.C.D. EMPLOYEES	STURTEVANT CAMP, BIG SANTA ANITA CANYON
67C	S	42-05	565	34	08	52	117	59	55	CHIEF GUY SHAW	141 EAST LEMON AVENUE, MONROVIA
85E	SA	56-46	4300	34	14	12	117	39	32	WILEY NESSER	U.S.F.S. GUARD STATION, CAMP BALDY
92	SA	32-90	1190	34	05	52	117	42	34	DEAN ROUTLEY	POMONA COLLEGE AT BRACKETT OBSERVATORY, CLAREMONT
106C	S	16-62	340	33	58	30	118	01	58	K.R. WARREN	333 PENN STREET, WHITTIER CITY HALL
108C	SA	29-52	275	34	04	30	118	02	30	R. BRUTON	119 S. HOYT AVENUE, EL MONTE
111	SP	40-48	690	34	06	58	118	09	05	E.C. FRENKEN	1414 MISSION STREET, SOUTH PASADENA
117B*	S	8-70	68	33	53	43	118	13	30	A. COOPER & K. VRSAL	WILLOW BROOK AND PALM STREETS, COMPTON
118C	S	3-40	40	33	47	27	118	15	30	E.J. PETESBROSINO	401 EAST M STREET, BANNING PARK, WILMINGTON
120	S	74-51	3135	34	29	17	118	08	29	CAPT. SERFOSS & CAPT. COX	1533 SIERRA HIGHWAY, VINCENT
124B	AP	84-31	3050	34	35	14	118	21	45	L.A.W.D. EMPLOYEES	NORTHWEST OF SPUNKY CANYON ROAD AND BOUQUET CANYON ROAD
126B	S	12-41	55	33	59	21	118	27	15	H. LEWIN	FIRE STATION, VENICE
140	S	25-55	232	34	02	44	118	26	57	E. KANDEL	1620 MIRAGE AVENUE, WEST LOS ANGELES
140B	AP	25-45	230	34	02	42	118	27	08	E. KANDEL	11550 SANTA MONICA BOULEVARD, WEST LOS ANGELES
172B	S	42-35	548	34	08	28	117	58	04	J.S. BLAIN	1101 SOUTH OAK STREET, DUARTE
178B	SP	43-18	585	34	06	55	117	53	25	DELMAR DOLL	18466 EAST GHEENT STREET, AZUSA
196B	8, B1	44-29	1050	34	06	05	117	46	18	G.E. EVANS	2061 THIRD STREET, LA VERNE
200	S	70-27	1093	34	25	23	118	34	32	ELMER STILES	50. CALIFORNIA EDISON CO. SUBSTATION, 2.5 MILES WEST OF SAUGUS
215D	S	9-71	70	33	52	55	118	07	25	RALPH MCCLURG	9834 FLOWER STREET, BELLFLOWER
217	8, B1	14-75	110	33	56	37	118	13	45	W. HUTCHERSON	2265 EAST 103RD STREET, WATTS
221D	S	59-98	1375	34	18	47	118	24	08	J.W. DUCKWORTH, JR.	12500 NORTH MACLAY STREET, PACOIMA
225	S	9-85	47	33	50	35	118	07	09	L. ERICKSON	5812 EAST ARBOR ROAD, LAKEWOOD
251	S	50-57	1565	34	13	28	118	14	24	MRS. E. BYRD	2908 FOOTHILL BOULEVARD, LA CRESCENTA
256B	S	32-44	882	34	03	26	117	45	04	D. COLTON	FIFTH AND THOMAS STREETS, POMONA
257	S	39-17	750	34	07	12	118	17	11	J.M. JEFFERS	2650 NORTH COMMONWEALTH AVENUE, LOS ANGELES, GRIFFITH PARK NURSERY
269A	S	18-53	720	33	58	09	117	50	40	S.A. LOY	BREA CANYON ROAD, DIAMOND BAR RANCH NO. 1
269B	SP AP	18-62	760	33	58	42	117	49	54	ANGEL REYES	BREA CANYON ROAD, DIAMOND BAR RANCH, HORSE CAMP
273D	S	2-12	1240	33	46	30	118	22	56	W.W. CAMPBELL, JR.	SAN PEDRO HILLS, NORTH OF CREST ROAD
280B	SA	40-01	1325	34	10	57	118	11	47	FIRE STATION EMPLOYEES	1028 INVERNESS DRIVE, FLINTRIDGE
281B	S	94-31	3225	34	41	18	118	39	48	J.C. MCNUTT	LIEBRE MOUNTAIN, SOUTHEAST OF GORMAN
284C	S	59-22	1490	34	22	40	118	28	35	SAM HURT	PLACERITA CANYON, EAST OF NEWHALL
289	SP	15-52	140	33	58	38	118	08	45	E. LEWIS	6301 SOUTH GARFIELD AVENUE, BELL
290	S	28-75	320	34	02	33	118	07	40	CHIEF J. CORDELL	2001 SOUTH GARFIELD AVENUE, MONTEREY PARK
307	S	56-73	6300	34	16	05	117	37	35	H.A. NELSON	SNOW CREST CAMP, SAN ANTONIO CANYON
342	S	45-17	1550	34	07	13	117	40	48	J. HOLLAWAY	1544 NORTH BENSON STREET, UPLAND
349B	S	54-46	1530	34	14	20	117	51	36	W. HANSEN	CAMP RINCON, WEST FORK SAN GABRIEL CANYON
352	SA	21-21	1530	34	04	50	118	52	38	L.A. CO. F. & F.W. EMPLOYEES	DECKER ROAD, 4 MILES FROM PACIFIC COAST
363B	ST	59-44	3160	34	21	18	118	27	02	L.A.C.F.C.D. EMPLOYEES	WILSON CANYON, SOUTH OF SANTA CLARA TRUCK TRAIL
375B	S	39-16	650	34	08	02	118	17	18	L.M. WENDT	GRIFFITH PARK ZOO, LOS ANGELES
381C	S	25-08	80	34	00	48	118	29	35	R. GRIPENWALDT	1540 THIRD STREET, SANTA MONICA
387B	SP	31-01	508	34	05	02	117	53	57	H. SNODGRASS	227 SOUTH HOLLENBECK AVENUE, COVINA
391B	8, B1	28-56	215	34	00	40	118	06	17	CHIEF L.R. BEECH	140 NORTH SIXTH STREET, MONTEBELLO
395B	S	59-57	1425	34	19	31	118	26	56	W. DUNN	OLIVE VIEW SANITARIUM, SAN FERNANDO
407-E	S AP	58-82	1325	34	22	13	118	30	46	L.M. JUNO	ONE MILE SOUTHEAST OF NEWHALL
409	S	93-12	2425	34	40	34	118	46	53	W. PRICE	18 MILES NORTH OF CASTAIC JUNCTION
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 LEFAMAN	150 NORTH VINEDO STREET, LAMANDA PARK
421B	SP	48-91	1178	34	17	03	118	24	28	WARD HINKLE	11728 DRONFIELD AVENUE, SAN FERNANDO VALLEY
430	S	70-57	1176	34	25	17	118	32	26	J. O'MALLEY	21740 BOUQUET CANYON ROAD, SAUGUS
433C	SA	51-69	1580	34	12	15	118	06	23	E. CLAIR	FAIR OAKS DEBRIS BASIN, ALTADENA
435	SA	23-12	600	34	04	40	118	41	23	L.A. CO. F. & F.W. EMPLOYEES	COLD CREEK NEAR MALIBU CREEK AT MONTE NIBO FIRE STATION
440B	S	63-97	5250	34	19	37	118	00	17	L.E. FRENCH	CHILAO, PACIFIC ROAD NEAR ANGELES CREST HIGHWAY
444C	SA	2-52	490	33	46	34	118	20	36	C. WOOD	PALOS VERDES HILLS AT PALOS VERDES DRIVE NORTH AND PORTUGUESE ROAD
446	SA	58-48	2367	34	19	00	118	33	27	JOHN SPRECHER	5.5 MILES NORTH DEVONSHIRE STREET IN ALISO CANYON, SANTA SUSANA MTS.
464	S	51-40	3300	34	17	58	118	08	35	J.R. CAMPBELL	TUJUNGA CANYON, ANGELES FOREST HIGHWAY, HONOR CAMP NO. 5
476C	S	34-06	825	34	07	55	118	07	53	W. SHOBERT	0.6 MILES ABOVE LOBO CANYON IN TRIUNFO CANYON, CORNELL
477B	SA	53-28	4715	34	13	06	117	56	39	E.C. WINDER	SPRING CAMP AT HEAD OF EAST FORK, SANTA ANITA CANYON
480A	S	41-49	404	34	06	32	118	03	27	L.A. CO. FIRE DEPT. EMPLOYEES	5946 KAUFFMAN AVENUE, TEMPLE CITY
493B	SA	59-61	1780	34	23	13	118	25	03	DAVID BARRUS	SAND CANYON AND REYNIER CANYON, 2.7 MILES SOUTH OF SOLEDAD CANYON ROAD
508C	S	51-39	1220	34	12	33	118	10	12	L.B. BIDDISON	ARROYO SECO CANYON AT EL PRIETO CANYON, U.S.F.S. RANGER STATION
557	S	17-57	300	33	54	44	117	56	48	MR. BRAY	305 SOUTH HIATT STREET, LA HABRA, ORANGE COUNTY
566	SP AP	4-52	15	33	46	46	118	08	36	LONG BEACH CITY EMPLOYEES	10TH AND ROSWELL STREET, LONG BEACH
611C	8, B1	40-81	1160	34	10	50	118	06	58	L.A.C.F.C.D. EMPLOYEES	ALTADENA GOLF COURSE DEBRIS BASIN, EAST OF HILL AVE., NORTH OF NEW YORK AVE.
695B	S	50-71	1850	34	17	12	118	13	32	D.R. MOSS	TUJUNGA CANYON AT VOGEL FLAT
706	S	15-92	155	33	58	42	118	06	08	C.L. NEWLIN	7417 ROSEMAD BOULEVARD, RIVERA
727	SP	52-76	4160	34	13	50	118	01	35	E.C. WINDER	NEWCOMB PASS, 2 MILES NORTHEAST OF MT. WILSON
799	SP	26-39	460	34	00	25	118	21	47	L.A.W.D. EMPLOYEES	0.7 MILE SOUTH OF SANCHEZ DRIVE
807	SP	28-12	720	34	04	45	118	11	13	E.J. BUCKLEY	LYNNFIELD STREET AND BOWMAN BOULEVARD LOS ANGELES, AT ASCOT RESERVOIR
1006	SA	3-05	150	33	44	37	118	17	47	K.C. STEELE	FIRST AND MEYLER STREETS, SAN PEDRO
1011B	S	2-44	1250	33	45	28	118	21	18	FIRE STATION EMPLOYEES	12 WEST CREST ROAD, PALOS VERDES HILLS
1037-E	SA	41-45	525	34	08	38	118	03	10	J.T. MCGAH	291 NORTH OLD RANCH ROAD, ARCADIA
1046	S	41-70	2175	34	11	48	118	01	20	U.S.F.S. EMPLOYEES	NORTH END OF CHANTRY FLAT, SANTA ANITA CANYON
1049	S	49-58	930	34	13	02	118	20	41	CLAUD SABIN	NORTH END HOLLYWOOD WAY, NORTH OF BURBANK
1059B	ST	65-98	7700	34	18	46	117	48	32	L.A.C.F.C.D. EMPLOYEES	SOUTH HAWKINS EAST OF CRYSTAL LAKE
1061	SA	42-44	1025	34	09	18	117	57	22	VICTOR KLEIN	SPINKS CANYON, DUARTE
1062	SA	64-85	6660	34	20	45	117	55	12	W.V. HITE	BUCKHORN FLAT, 1.25 MILES NORTHEAST OF WATERMAN MOUNTAIN
1065	S	23-12	900	34	04	28	118	41	14	R.S. HASSAN	WEST SADDLE PEAK, SANTA MONICA MOUNTAINS
1066	SP AP	9-88	26	33	48	48	118	06	55	LONG BEACH CITY EMPLOYEES	WOODRUFF AVENUE AND ADDERLEY DRIVE, LONG BEACH
1068	S	21-31	1290	34	05	00	118	51	57	W.F. WITTERSON	RATTLESNAKE CANYON, SANTA MONICA MOUNTAINS
1071-E	S	50-99	1275	34	12	07	118	12	31	J. THRELKELD	1418 DESCANSO DRIVE, DESCANSO GARDENS, LA CANADA
1076	SP	62-68	2850	34	18	38	118	06	17	BOB SWART	ANGELES FOREST HIGHWAY ABOVE MILL CREEK BRIDGE
1077	S	42-03	1090	34	10	04	117	59	35	C.J. GERMAN	CANYON BOULEVARD AND OAKGLADE STREET, MONROVIA
1078	SA	31-53	975	34	04	10	117	50	47	E.B. GRIFFITH	20931 EAST VIA VERDE, WEST COVINA
1079	8, B1	40-70	1625	34	11	58	118	07	23	L.A.C.F.C.D. EMPLOYEES	RUBIO DEBRIS BASIN, ALTADENA
1080	SA	42-34	935	34	09	23	117	57	58	L.A.C.F.C.D. EMPLOYEES	BRADBURY DEBRIS BASIN, DUARTE
1081	S	39-50	1200	34	11	37	118	14	28	L.A.C.F.C.D. EMPLOYEES	DEER DEBRIS BASIN, VERDUGO MOUNTAINS
1082	8, B1	50-45	2275	34	14	53	118	15	07	L.A.C.F.C.D. EMPLOYEES	DUNSMUIR DEBRIS BASIN, EAST OF TUJUNGA
1083	S	42-44	905	34	09	17	117	57	05	L.A.C.F.C.D. EMPLOYEES	MADDOCK DEBRIS BASIN, DUARTE
1084	8, B1	59-76	1680	34	19	50	118	25	45	L.A.C.F.C.D. EMPLOYEES	

TABLE VIII  
RAIN GAGE STATION LOCATION  
SEASON 1954 - 55

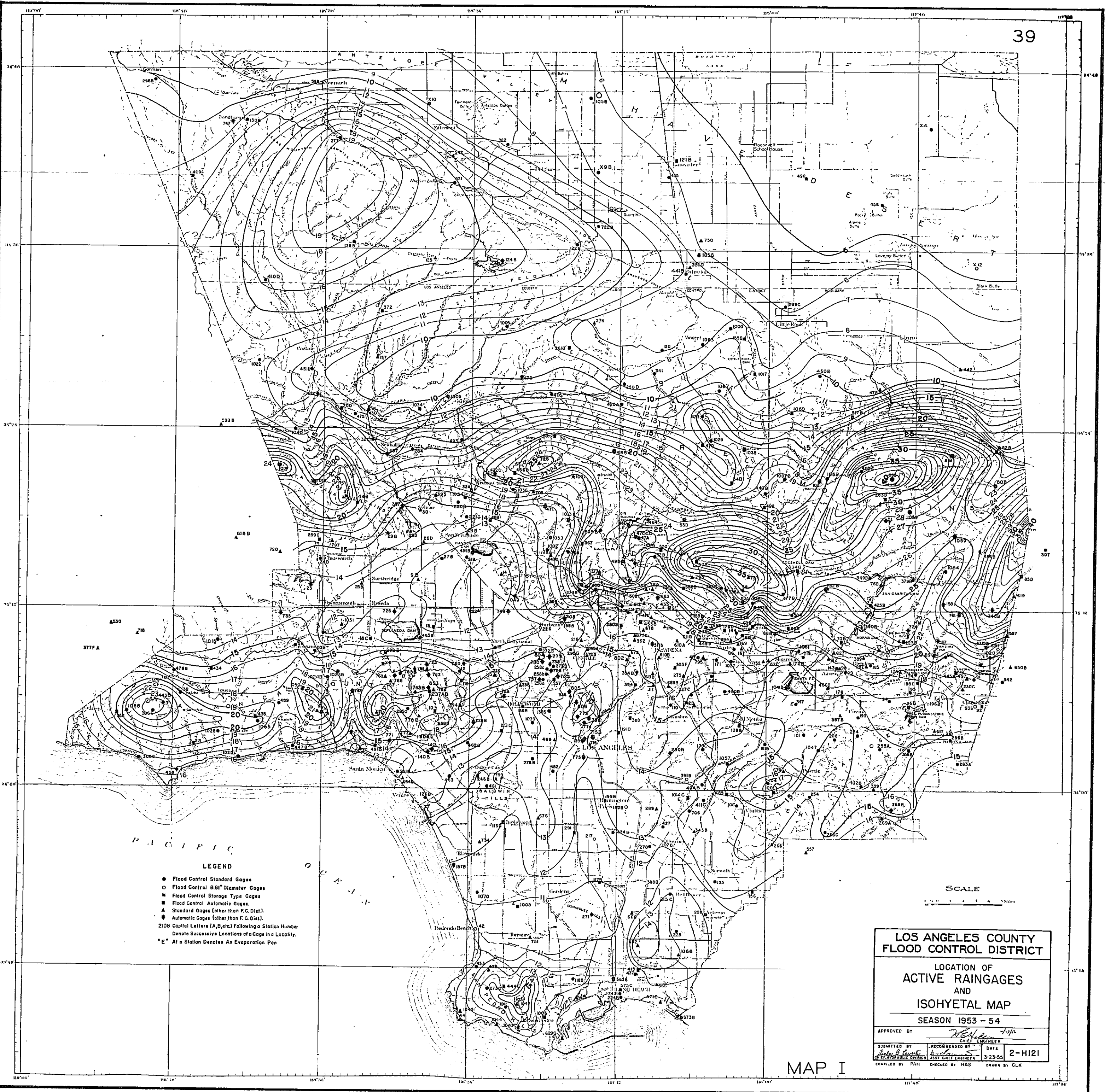
STA. NO.	TYPE GAGE	QUAD INDEX	ELEV. OF GAGE	NORTH LAT.			WEST LONG.			OBSERVER	LOCATION
				°	'	"	°	'	"		
1093-E	SA	11-22	90	33	52	13	117	58	34	ORANGE COUNTY EMPLOYEES	COMMONWEALTH AVENUE AND MAGNOLIA STREET AT FULLERTON AIRPORT
1094	3 <sup>rd</sup> P.	17-87	375	33	55	48	117	54	53	UNION OIL CO. EMPLOYEES	PUENTE STREET AND CENTRAL AVENUE, LA HABRA
1095	SP AP	18-16	600	33	56	07	117	52	58	U.S. CORP OF ENGINEERS	ORANGE COUNTY RESERVOIR, NORTH OF BREA
1096	SP	19-06	444	33	55	58	117	47	45	NORMAN SLATON	CARBON CANYON AT LA YIDA SPRINGS
1097	SP	19-42	1200	33	57	58	117	45	40	S.M. STODDY	CARBON CANYON SUMMIT NORTHEAST OF CARBON CANYON MINERAL SPRINGS
1098	SP	19-11	950	33	59	05	117	53	00	ORANGE COUNTY EMPLOYEES	TONNER CANYON ROAD EAST OF SAN BERNARDINO COUNTY LINE
1099	S	29-49	280	34	00	20	118	03	30	IRA D. CATE	10234 STRONG AVENUE, EAST OF PUENTE STREET, NORTHWEST OF WHITTIER
1100	S	37-59	806	34	06	30	118	26	40	R.C. HAGSTRUM	1902 BLVERLY GLEN BOULEVARD IN BROWN CANYON, WEST LOS ANGELES

NOTE: RAIN GAGE STATIONS FOR SEASON 1954-55 WERE IDENTICAL WITH SEASON 1953-54 EXCEPT AS SHOWN ON ABOVE FOR 1954-55

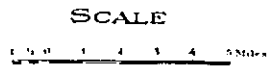
TABLE IX  
83 YEAR SEASONAL RAINFALL INDICES  
for  
SELECTED AREAS IN LOS ANGELES COUNTY

SEASON	"A" COASTAL PLAIN	"B" SAN FERNANDO VALLEY	"C" SAN GABRIEL VALLEY	"D" SAN GABRIEL MOUNTAINS	"E" SANTA MONICA MOUNTAINS	"F" SIERRA PELONA	"G" DESERT	COUNTY INDEX *
1872-73	95	95	77	79	94	86	78	84
74	154	154	150	151	150	151	150	151
75	120	121	82	86	120	100	83	97
76	167	167	124	129	167	144	125	141
77	35	27	27	25	32	17	17	24
78	137	123	137	125	131	64	64	100
79	73	57	72	65	66	38	38	54
80	125	108	125	123	122	121	131	124
81	79	66	78	73	77	56	60	67
82	64	57	68	68	64	78	79	71
1882-83	70	63	75	69	71	54	45	60
84	236	221	236	246	235	262	254	254
85	57	56	57	57	58	50	55	55
86	147	141	129	140	153	169	196	161
87	85	84	79	87	84	106	123	98
88	102	83	123	119	105	107	109	108
89	126	124	130	132	127	133	142	133
90	166	200	194	203	146	225	231	205
91	93	78	104	100	99	91	97	95
92	77	61	82	78	71	70	71	73
1892-93	157	138	156	148	133	126	123	138
94	49	39	56	50	47	46	49	48
95	106	111	122	121	101	92	52	94
96	60	52	54	54	56	52	116	69
97	122	112	108	108	111	102	50	95
98	49	41	57	46	42	23	37	40
99	45	27	40	32	36	28	33	34
00	61	52	56	58	59	46	87	63
01	104	106	115	103	103	111	96	104
02	72	58	64	63	71	53	60	62
1902-03	140	119	120	117	128	110	117	120
04	96	52	55	55	58	45	38	49
05	122	134	127	121	126	136	131	129
06	142	120	126	126	124	111	119	123
07	129	145	139	139	150	166	156	148
08	87	91	93	93	90	95	96	93
09	120	108	123	113	114	95	80	103
10	84	76	90	89	84	106	105	95
11	111	119	125	137	118	150	133	132
12	60	86	75	80	71	81	67	74
1912-13	75	85	76	79	74	68	70	78
14	145	162	162	163	149	159	144	154
15	134	128	120	118	134	153	133	133
16	139	130	139	140	133	116	106	126
17	95	96	94	92	94	80	66	84
18	95	112	90	105	114	108	93	101
19	70	72	68	71	79	68	73	71
20	75	82	90	95	77	82	78	83
21	97	107	98	96	98	91	85	93
22	124	140	136	176	122	159	130	145
1922-23	72	72	76	85	71	84	73	78
24	47	48	54	53	44	46	59	51
25	55	61	63	65	54	54	53	57
26	90	119	109	116	97	114	104	107
27	109	127	123	108	105	110	114	112
28	82	70	74	62	63	61	62	66
29	76	73	78	68	75	69	64	70
30	73	77	78	75	73	77	92	79
31	81	92	80	77	92	103	114	94
32	110	123	111	117	110	128	145	125
1932-33	74	77	68	66	75	81	75	74
34	80	95	99	74	92	64	44	70
35	133	123	123	124	119	133	153	134
36	77	79	77	72	87	73	49	69
37	144	144	145	142	149	147	140	144
38	143	150	146	158	154	151	147	150
39	124	119	100	103	115	123	139	121
40	93	98	79	75	100	78	78	82
41	222	237	202	187	228	231	230	219
42	83	78	70	72	80	82	90	81
1942-43	120	150	146	157	141	152	164	150
44	127	141	115	136	137	160	227	161
45	91	89	90	95	88	86	97	92
46	81	82	80	93	82	101	90	90
47	92	87	91	100	85	95	94	94
48	45	46	53	52	49	51	62	53
49	57	50	61	58	58	55	67	59
50	69	68	74	64	74	74	55	66
51	54	54	51	43	50	37	36	43
52	164	189	158	153	188	176	184	172
53	68	69	63	55	70	60	68	62
54	87	80	85	82	95	85	93	87
1954-55	80	83	72	69	82	84	78	78
80 YEAR NORMAL RAINFALL	14.31	17.05	19.12	27.14	19.74	15.49	7.63	16.25
1953-54 RAINFALL	12.56	13.48	17.53	22.06	18.64	12.88	6.70	13.82
1954-55 RAINFALL	11.51	14.01	14.96	18.62	16.20	12.74	5.99	12.40
AREA IN SQUARE MILES	597	272	303	748	224	855	953	3952

NOTE: \* INDICATES WEIGHTED AVERAGE INDEX OF AREAS



- LEGEND**
- Flood Control Standard Gages
  - Flood Control 8.81" Diameter Gages
  - Flood Control Storage Type Gages
  - Flood Control Automatic Gages
  - ▲ Standard Gages (other than F.C. Dist.)
  - ◆ Automatic Gages (other than F.C. Dist.)
  - 2108 Capital Letters (A,B,etc.) Following a Station Number Denote Successive Locations of a Gage in a Locality.
  - "E" At a Station Denotes An Evaporation Pan



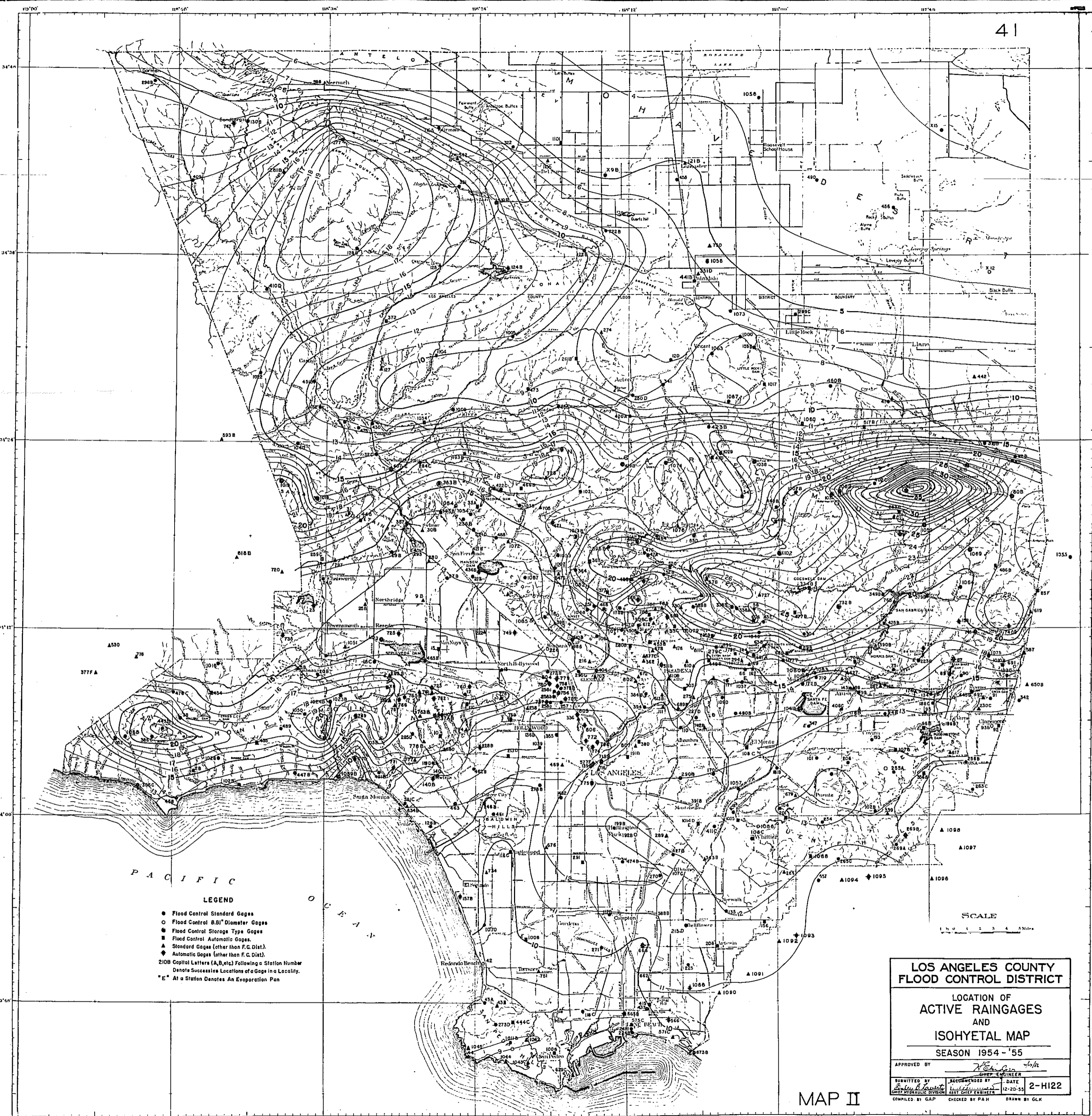
**LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT**

LOCATION OF  
ACTIVE RAINGAGES  
AND  
ISOHYETAL MAP  
SEASON 1953 - 54

APPROVED BY: <i>[Signature]</i> CHIEF ENGINEER	
SUBMITTED BY: <i>[Signature]</i> CHIEF HYDROLOGIC DIVISION	RECOMMENDED BY: <i>[Signature]</i> ASST. CHIEF ENGINEER
DATE: 3-23-55	2-H121
COMPILED BY: PAM    CHECKED BY: HAS    DRAWN BY: GLK	

MAP I

# EVAPORATION RECORDS



**LEGEND**

- Flood Control Standard Gages
- Flood Control 8.91" Diameter Gages
- Flood Control Storage Type Gages
- Flood Control Automatic Gages
- ▲ Standard Gages (other than F.C. Dist.)
- ◆ Automatic Gages (other than F.C. Dist.)
- 210B Capital Letters (A,B,etc) Following a Station Number Denote Successive Locations of a Gage in a Locality.
- "E" At a Station Denotes An Evaporation Pan

**SCALE**  
1 2 3 4 5 Miles

**LOS ANGELES COUNTY FLOOD CONTROL DISTRICT**

LOCATION OF ACTIVE RAINGAGES AND ISOHYETAL MAP

SEASON 1954 - '55

APPROVED BY *[Signature]* CHIEF ENGINEER

SUBMITTED BY *[Signature]* DATE 12-20-55

RECOMMENDED BY *[Signature]* 2-H122

COMPILED BY GAP CHECKED BY PAH DRAWN BY GLK

MAP II

## EVAPORATION

## FOREWORD

This report contains monthly and seasonal data for all active stations reporting to the District during 1953-54 and 1954-55 seasons. Prior records of active and inactive stations are available in the District's files and are also published in the District's 1951-52 and 1952-53 Biennial Report on Hydrologic Data, in summary form for the period of record.

## SUMMARY OF SEASONAL EVAPORATION

The following tabulation indicates the maximum and minimum rates of evaporation in inches at District stations for the seasons 1953-54 and 1954-55.

	1953-54	1954-55
Maximum Seasonal Amount - Fairmont	100.86	
Maximum Seasonal Amount - Palmdale		99.16
Maximum Monthly Amount - Fairmont	16.25 in July	
Maximum Monthly Amount - Palmdale		16.78 in August
Minimum Seasonal Amount - La Fresa	39.79	41.98
Minimum Monthly Amount - Opid's	0.14 <sup>1/</sup>	0.00 <sup>2/</sup>

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

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

Table X, page 46, presents monthly and seasonal evaporation data for all active stations during the seasons 1953-54 and 1954-55.

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

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

## LOCATION AND NUMBER OF STATIONS

The District received records from 24 evaporation stations utilizing 32 evaporation pans in 1953-54, and 23 evaporation stations utilizing 30 evaporation pans in 1954-55. The District maintained 26 evaporation pans in 1953-54 and 24 evaporation pans in 1954-55. Eighteen of the evaporation pans were on or near reservoirs.

- <sup>1/</sup> Water surface of pan frozen for 28 days in January  
<sup>2/</sup> Water surface of pan frozen for the entire months of January and February



San Gabriel Reservoir, Cogswell Reservoir and Encino Reservoir are equipped with both land and lake pans.

#### LENGTH OF RECORD

The first evaporation pan was installed at Santa Anita Dam in March 1929. Subsequently pans have been installed so that the District now receives daily evaporation records from 30 pans of various types.

The District has received daily evaporation amounts from 21 stations with records from 18 to 26 years in length. Table XI Biennial Report on Hydrologic Data for 1951-52 and 1952-53 includes summaries of monthly records through 1952-53.

#### 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, and equipped with a 1/4-inch brass rod which is placed in the center of the pan 33 inches from the bottom of the pan, and with its sharp point at the upper end for measuring purposes. The pan is also equipped with a reducer screen of 1/4-inch hardware cloth which rests 1-1/2-inch below the top of the pan and serves to reduce the pan evaporation to the equivalent of seasonal reservoir evaporation.

From 1929 to 1938 <sup>1/</sup> the District's land pans were set in the ground 34 inches with the water surface maintained at ground level two inches below the top of the pan.

The lake pan in use at San Gabriel Reservoir is 36 inches square by 18 inches deep with a 6-inch wave baffle. The lake pan in use at Cogswell Reservoir is 30 inches square and 18 inches deep with a 6-inch wave baffle. The pans are floated on suitable rigging and are submerged to make the reservoir surface and the water surface in the pan level. The water temperatures of the reservoir and in the pans are practically identical.

The Los Angeles City Department of Water and Power employees operate the following stations and furnish daily evaporation records to the District:

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 Norman Lake-Lower Dam <sup>2/</sup>	U.S.W.B. Type A Land Pan
Fairmont	36-inch Square Land Pan

The Metropolitan Water District maintains a 6-foot diameter land pan at Morris Dam from which the District receives daily evaporation records.

<sup>1/</sup> Change in setting was not made at all stations on the same date. The approximate date of change is designated in Table X by "A"  
<sup>2/</sup> Formerly Lower San Fernando Reservoir.

The Baldwin Park Experimental Station, which is cooperatively maintained by several agencies, including the District, is equipped with the following instruments: An 8-inch diameter standard rain gage, maximum and minimum thermometers, hygrothermograph, anemometer, United States Weather Bureau 72-inch diameter evaporation pan, United States Weather Bureau 24-inch diameter evaporation pan, and a District 24-inch diameter evaporation pan equipped with a reducer screen.

Four stations are equipped with thermographs. Maximum and minimum thermometers are standard equipment at 83% of the evaporation stations and several precipitation stations. Anemometer records are received from two evaporation stations, a wind velocity recording record from Henninger Flat and a wind velocity and direction recording record from the San Gabriel River outlet.

#### CONVERSION FACTORS

To compute lake evaporation, studies by the United States Department of Agriculture show that the following coefficients should be applied to the District's type land pan:

Coefficient	Date	
	From	To
0.72	1929	'A' as shown in Table X.
0.81	'A'	October 1, 1946
1.00 <sup>1/</sup>	October 1, 1946	Date

Change of coefficients on dates shown are explained under 'Equipment'

<sup>1/</sup> This applies only to seasonal totals.

TABLE X  
EVAPORATION RECORDS IN INCHES  
SEASONS 1953-54 1954-55

STA. No.	STATION	TYPE GAGE	1953-54												
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEPT.	
29	CHATSWORTH RESERVOIR	L-245	5.60	3.25	5.83	1.74	4.34	2.62	3.00	4.66	5.76	7.77	7.80	5.14	41.43
39C	NEBHALL	L-245	5.78	3.12	8.00*	3.64*	2.96	2.61	3.66	5.20	5.93	8.10	7.13	46.47	41.43
39A	PACOMA DAM	L-245	8.60	6.19	8.00	3.64**	5.64	3.54	3.52	4.11	4.85	7.95	7.09	8.60	41.43
46D	BIG TULUNGA DAM	L-245	9.02	5.65	6.27	3.28**	5.42	3.70	5.96	7.82	9.02	12.38	10.55	11.64	41.43
57B	OPID'S (CAMP HI HILL)	L-245	3.64	0.96	1.40#	1.40#	1.64**	.92#	3.64	5.40	6.50	8.50	7.30	8.66	41.43
63B	BIG SANTA ANITA DAM	L-245	5.67	3.97	4.36	2.42**	4.36**	3.02**	2.34	2.30	3.42	5.30	4.60	8.29	41.43
88F	SAN DIMAS DAM	L-245	4.82	2.74	2.90	1.46	2.72	2.22	2.98	6.50	4.01	7.67	6.54	6.35	41.43
96B	PUDDINGSTONE DAM	L-245	6.04	3.98	4.34	2.38	3.86	3.30	3.33	4.95	5.70	7.59	6.40	5.67	41.43
223B	BIG DALTON DAM	L-245	4.41	2.31	2.52	1.37	2.46**	2.42	2.73	3.11	4.47	5.68	6.14	5.79	41.43
261B	ACTON - ESCOBEDO CANYON	L-245	8.27	5.46	6.30	3.09**	5.34**	3.53	5.04	6.29	10.25	13.86	11.36	10.21	41.43
292B	ENCINO RESERVOIR - F.C.	L-245	6.64	3.84	3.67	2.02**	3.51	3.04**	3.98	5.75	6.72	9.64	7.85	6.02	41.43
292B	ENCINO RESERVOIR - U.S.W.B.	L-448	7.62	2.64	4.55	2.26	.96	1.11	4.62	6.14	7.16	10.39	8.78	9.20	41.43
292B	ENCINO RESERVOIR - LAKE	F-30	6.33	2.47	4.37	2.61	0.28	1.97	4.18	5.95	6.84	8.85	7.85	8.14	41.43
293	VAN NORMAN LAKE - LOWER DAM	L-448	8.34	5.86	9.04	1.50	5.20	0.46	4.46	8.72	6.58	9.95	8.20	8.44	41.43
321	PIRE CANYON PATROL STATION	L-245	6.22	4.91	3.82	2.60	3.68	2.99**	5.10	8.65	9.72	11.27	10.34	9.74	41.43
334B	COGSWELL DAM	L-245	6.23	3.22	3.29	1.60**	3.20**	2.92	5.00	6.36	7.60	9.63	9.32	8.35	41.43
334B	COGSWELL DAM	F-30	6.98*	4.02*	3.59*	1.82*	3.02**	3.16	4.77	6.18	7.22	9.04	9.53	8.32	41.43
347	BALDWIN PARK EXPERIMENTAL STATION	L-448	5.55	2.63	3.25	1.99	3.20**	INC.	N.I.	N.I.	N.I.	N.I.	N.I.	INC.	41.43
347	BALDWIN PARK EXPERIMENTAL STATION	L-72	4.68	2.06	2.00	1.04	2.18**	2.36**	3.23	4.73	5.28	6.90	6.02	5.30	41.43
347	BALDWIN PARK EXPERIMENTAL STATION	L-245	4.51	2.23	2.70	1.13**	2.16**	2.51**	3.12	4.66	5.20	7.14	6.67	5.42	41.43
347	BALDWIN PARK EXPERIMENTAL STATION	L-24	4.65	2.10	2.23	1.30	2.50**	3.02**	3.76	5.39	5.98	7.74	6.72	6.64	41.43
390B	MORRIS DAM	L-72	6.16	3.26	3.61	1.92	3.13	2.78	4.07	4.92**	6.17	8.56	7.62	7.31	41.43
425B	SAN GABRIEL DAM	L-245	6.78	4.00	4.22	2.20**	3.78**	3.00	4.27	5.30	6.21	8.78	7.82	8.78	41.43
425B	SAN GABRIEL DAM	F-36	N.R.	N.R.	N.R.	N.R.	4.05**	3.82	INC.	INC.	7.13	9.74	9.96	9.59	41.43
425B	SAN GABRIEL DAM	L-24	9.01	5.62	5.97	3.30**	5.15**	3.96	5.42	7.02	8.03	11.24	10.09	11.44	41.43
441D	PALMDALE - COUNTY ROAD MAINTENANCE YARD	L-245	7.35	4.50	3.62	2.39**	2.78	3.86	6.75	11.14	11.64	14.44	13.61	9.65	41.43
468	PICKENS DEBRIS BASIN	L-245	5.96	INC.	N.R.	N.R.	N.R.	N.R.	N.R.	N.I.	N.I.	N.I.	N.I.	INC.	41.43
542	FALCONET	L-36	7.59	4.40	3.19	2.34	4.05	4.42	6.32	12.43	13.19	16.25	13.68	11.00	41.43
100B	LA FRESA - S.C.F. CO.	L-245	3.70	2.94	2.13	1.34	2.36	2.52	2.80	3.78	4.58	5.28	4.80	3.96	41.43
1014D	ELD REDDING SHREDDING GROUNDS	L-245	4.12	3.55	2.74	1.39**	1.86	2.10	2.17	5.68**	5.00	6.33	5.86	5.30	41.43
1037	ARLATA - ARBRETUM	L-245	4.09	2.32	2.43	.95**	1.48**	1.74	1.91	3.16	4.29	6.52	5.76	5.26	41.43
1071	BUSCANSO GARDENS	L-245	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	INC.	INC.	6.55	5.22	5.12	41.43

1954-55															
29	CHATSWORTH RESERVOIR	L-245	4.59	3.65	3.78	2.12	3.56	4.68	5.84	3.77	5.06	6.72	7.28	6.38	37.43
39C	NEBHALL	L-245	5.18	3.08	2.56	1.62	2.30	3.42	4.98	3.55	2.52	3.14	8.28	8.22**	41.43
39A	PACOMA DAM	L-245	6.90	6.94	5.60	3.40	4.80	5.26	6.26	4.26	5.08	7.05	9.98	9.08	41.43
46D	BIG TULUNGA DAM	L-245	9.20	6.39	4.43	3.89	4.26	5.38	7.07	6.16	8.58	10.72	12.16	11.72	41.43
57B	OPID'S (CAMP HI HILL)	L-245	3.74	1.04	0.40#	0 #	0 #	1.09#	3.50	3.86	6.55	7.26	8.30	7.60	41.43
63B	BIG SANTA ANITA DAM	L-245	4.44	3.77	3.49	2.60	3.38	3.44	4.18	2.54	3.38	4.26	5.15	5.84	41.43
88	SAN DIMAS DAM	L-245	4.54	2.69	1.92	1.28	2.18	3.08	4.34	3.67	5.28	6.69	7.42	7.04	41.43
96B	PUDDINGSTONE DAM	L-245	3.76	2.79	2.38	1.84	2.70	2.98	4.10	3.34	4.62	5.55	5.88	5.90	41.43
223B	BIG DALTON DAM	L-245	4.04	2.35	1.55	1.33	2.06	2.74	3.96	3.16	4.36	5.94	6.78	6.36	41.43
261B	ACTON - ESCOBEDO CANYON	L-245	8.33	5.60	4.83	2.60	4.46	5.60	7.31	6.49	9.43	11.49	13.08	10.43	41.43
292B	ENCINO RESERVOIR - F.C.	L-245	5.50	3.64	2.69	1.74	2.70	3.92	6.38	4.90	6.16	7.74	9.16	8.62	41.43
292B	ENCINO RESERVOIR - U.S.W.B.	L-448	6.47	4.58	3.32	1.82	4.50	5.05	7.08	6.55	6.36	8.73	11.42	10.18	41.43
292B	ENCINO RESERVOIR - LAKE	F-30	5.88	4.45	3.46	2.57	3.01	4.06	5.96	6.18	6.16	8.02	9.71	7.88	41.43
293	VAN NORMAN LAKE - LOWER DAM	L-448	7.07	8.26	6.87	4.26	6.13	6.02	7.56	4.99	6.72	8.00	9.51	8.95	41.43
321	PIRE CANYON PATROL STATION	L-245	7.40	4.01	2.78	1.83	2.89	5.03	5.78	6.08	8.12	10.82	11.55	9.00	41.43
334B	COGSWELL DAM	L-245	6.22	3.76	2.24	1.22	2.04	4.00	5.92	5.00	6.50	8.76	9.83	10.14	41.43
334B	COGSWELL DAM	F-30	N.R.	N.R.	N.R.	INC.	2.22	3.80	3.45	5.17	6.40	7.88	8.74	8.80	41.43
347	BALDWIN PARK EXPERIMENTAL STATION	L-72	3.70	2.13	1.45	1.04	2.13	3.40	4.97	4.29	5.28	6.36	7.12	5.40	41.43
347	BALDWIN PARK EXPERIMENTAL STATION	L-245	3.91	2.22	1.40	1.17	2.36	3.38	5.36	4.02	5.67	6.97	7.94	6.26	41.43
347	BALDWIN PARK EXPERIMENTAL STATION	L-24	4.64	2.61	1.88	1.42	2.88	4.62	6.03	4.99	6.63	7.50	8.90	6.80	41.43
390	MORRIS DAM	L-72	5.51	3.47	2.34	1.76	2.62	3.80	5.08	4.49	6.02	7.34	8.53	8.06	41.43
425B	SAN GABRIEL DAM	L-245	6.44	4.04	2.85	1.78	3.03	3.88	5.74	4.27	5.92	8.00	8.64	8.98	41.43
425B	SAN GABRIEL DAM	F-36	7.38	4.44	3.28	2.23	3.58	4.82	6.67	5.24	7.29	9.06	10.02	9.94	41.43
425B	SAN GABRIEL DAM	L-24	8.65	5.59	4.28	2.60	4.06	5.18	7.45	5.56	7.59	9.77	11.12	11.40	41.43
441D	PALMDALE - COUNTY ROAD MAINTENANCE YARD	L-245	7.18	4.51	1.64	2.54	2.98	5.75	8.14	10.12	13.80	14.80	16.78	11.82	41.43
468	FALCONET	L-36	8.61	3.82	2.03	1.16	2.42	5.76	6.99	8.84	12.65	15.68	15.35	12.33	41.43
100B	LA FRESA - S.C.F. CO.	L-245	3.20	2.18	1.66	1.67	2.18	3.12	4.48	3.93	4.20	5.47	5.19	4.70	41.43
1014D	ELD REDDING SHREDDING GROUNDS	L-245	3.70	3.10	2.22	1.98	2.02**	3.76**	4.84	3.89	4.38	5.58	6.66	5.66	41.43
1037	ARLATA - ARBRETUM	L-245	3.74	2.02	1.27	0.88	2.58	3.57	5.14	3.83	5.47	6.32	7.46	7.10	41.43
1071	BUSCANSO GARDENS	L-245	3.64	2.64	1.65	1.60	2.16	2.39	3.46	3.22	4.34	5.53	6.44	5.60	41.43

LEGEND

- L-24 LAND PAN 24" IN DIAMETER
- L-245 LAND PAN 24" IN DIAMETER, SCREENED
- L-36 LAND PAN 36" SQUARE - USGS TYPE
- L-448 LAND PAN 48" IN DIAMETER - USGS TYPE A
- L-72 LAND PAN 72" IN DIAMETER
- L-36 FLOATING PAN 36" SQUARE - USGS TYPE
- \*\* ESTIMATED
- \*\* PARTLY ESTIMATED
- # RECORDS INCOMPLETE - PARTLY FROZEN
- INC. INCOMPLETE RECORD
- N.R. NO RECORD
- N.I. NOT INSTALLED

# **RUNOFF RECORDS**

## RUNOFF

### FOREWORD

This is the twentieth annual or biennial report on runoff published since the inception of the Hydraulic Division (formerly the "Hydrographic Department") in April, 1927 <sup>1/</sup>. These reports cover 28 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 dam, debris basins and spreading grounds
3. Determination of the available water supply and conservation thereof by ground water replenishment
4. Determination of the quantity of industrial and natural waste

### SUMMARY

The 1953-54 and 1954-55 seasons produced below average runoff throughout the District with the exception of valley runoff from the subdivided and industrialized relative impervious areas.

Storm peaks were not of consequence with the exception of the Ballona Creek drainage areas. Here the storm of February 13, 1954 produced peak flows of greater magnitude based on square miles of drainage area, than the flood of March 1938. Ballona Creek at Sawtelle Boulevard gaging station peak discharge was 213 cubic feet per second per square mile as compared to the March 1938 flood peak of 171 cfs per square mile. The storms of January 19th and 24th - 25th, 1954 produced heavy debris movement in the Sierra Madre, Santa Anita, Sawpit, Duarte and the San Dimas, Thompson Creek and lower San Antonio Canyon burned areas which resulted in extensive damage to unprotected residential areas along the foothills and in Palmer Canyon.

<sup>1/</sup> 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.

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

Season	Built up Valley Area % of Average		San Gabriel Mountains % of Average	
	Runoff (a)	Precip.	Runoff (b)	Precip.
1953-54	127	86	50	82
1954-55	105	76	27	69

(a) Based on period of record of Alhambra Wash and Ballona Creek Drainage areas

(b) Based on period of record of San Gabriel River and Arroyo Seco Drainage areas

#### EXTENT AND METHOD OF COLLECTING AND PRESENTING DATA

##### I. Drainage Areas and Stations

The Flood Control District operated 88 water-stage recording stations on streams during the 1953-54 and 1954-55 seasons, of which 81 were stream-flow stations. These records are published. The remaining 7 are hydraulic study stations only, and the records are not published. These stations were distributed throughout the County as follows:

Drainage Area	No. of Stations
Los Angeles River	27
San Gabriel River	28
Rio Hondo	18
Ballona Creek	5
Santa Monica Mountains - Coastal	3
Santa Clara River	4
San Antonio Creek	1
Antelope Valley	2
Total	88

The locations of all stations are shown on Map III, page 55

## 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) Artificial controls - concrete, placed rock, flumes and weirs
- (3) Concrete-lined or riprap channels with no definite control point.

## III. Types of Recorders Used

The flow stage is recorded by various types of automatic recorders, usually mounted over a concrete or corrugated iron pipe stilling well. The types of recording instruments used at stations are determined by the importance of the particular record, gage height range, time scale required, and the practicability of frequent access by a District hydrographer. Recorders used include the following:

Type	No. in Use	Time Duration
Au	14	Continuous
H.C.F. <sup>1/</sup>	43	Continuous
Stevens (Type A)	21	Continuous
Stevens (Type L)	8	Weekly or Daily
Rational (Horizontal)	2	Weekly
Friez	1	Continuous
Total	89	

The total number of recorders shown include those used at regular stations, timing stations and experimental locations. Two recorders are in service at one of the stations.

## 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 3,041 measurements taken by the District during 1953-54 and 2,674 taken during 1954-55 at 93 recorder stations, including measurements made at other than District stations.

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

- (3) Mean daily runoff tabulations which show the mean daily runoff in second-feet; total monthly and yearly runoff in second-foot days and acre-feet.
- (4) Hydrographs showing a curve of instantaneous rate of flow versus time for the larger storms of the period. In general, the storm producing the peak flow of the season at the station was selected. 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, 302 such measurements were taken. The U.S.G.S., in turn, publishes the records of 22 District stations in their Water Supply Papers for Pacific Slope Basins in California.

#### VI. Staff Gage Station Measurements

Records of 1489 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 33 years, is included on page 357.

#### VII. Miscellaneous Station Measurements

In various drainage areas throughout the County, 1806 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 eleven streams. These are tabulated by streams.

#### IX. Summary of Seasonal Discharge

Table XII, page 373, presents a summary of the seasonal runoff in acre-feet, maximum, minimum and mean daily flows in cubic feet per second, and the season's peak discharge with date of occurrence.

#### X. Limitations

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



In the tabulations of mean daily runoff, incomplete totals were avoided by estimating any missing or unreliable records. It 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

- 1 E. K. DeVore, assisted by F. A. Lanphear <sup>1/</sup>
- 2 G. H. Middleton, assisted by G. W. Canavan <sup>1/</sup>, Fred Treat <sup>2/</sup>  
H. P. Whisler, Sam Levy <sup>2/</sup>, and Tom Barr <sup>1/</sup>
- 2A R. A. Waddicor, assisted by R. D. Britzman <sup>2/</sup> and L. F. Van Buren <sup>1/</sup>
- 3 F. E. Stunden, assisted by J. D. Murphy and C. Stewart <sup>1/</sup>
- 4 E. S. Bonadiman and J. M. De Mars, assisted by C. Thomas and  
B. Van Allen
- 5 T. E. Moon, assisted by D. Wood and H. Spellman
- 6 J. Luce, assisted by G. La Mar <sup>1/</sup> and H. Friedrich <sup>2/</sup>
- 7 & 8 S. E. Blakely, J. Hyde, and E. W. Godfrey assisted by J. A. Ocampo <sup>1/</sup>,  
M. L. Cuadraz <sup>1/</sup> and H. S. Blake <sup>1/</sup>
- 9 & 10 Lee Turner, assisted by B. Rogers <sup>1/</sup>

The field work and compilation of records was under the immediate supervision of R. E. Lindsay, Section Head, Runoff and Dam Records Section. Preparation of the report for 1953-54 and 1954-55 was under immediate Supervision of R. E. Lindsay assisted by J. Lang.

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

<sup>1/</sup>Operation and Maintenance Division Personnel  
<sup>2/</sup>Survey Division Personnel

## LEGEND

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

- Prefix F - indicates the stations owned and operated by the Los Angeles County Flood Control District.
- Prefix E - indicates stations owned and operated by the Corps of Engineers, Department of the Army.
- Prefix U - indicates stations owned and operated by the United States Geological Survey, Water Resources Branch.
- Prefix P - indicates stations owned and operated by the District, formerly operated by the Pasadena Water Department.
- Prefix L - indicates 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 the total flow, is estimated at .05 cfs or less.

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

#### ACCURACY

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

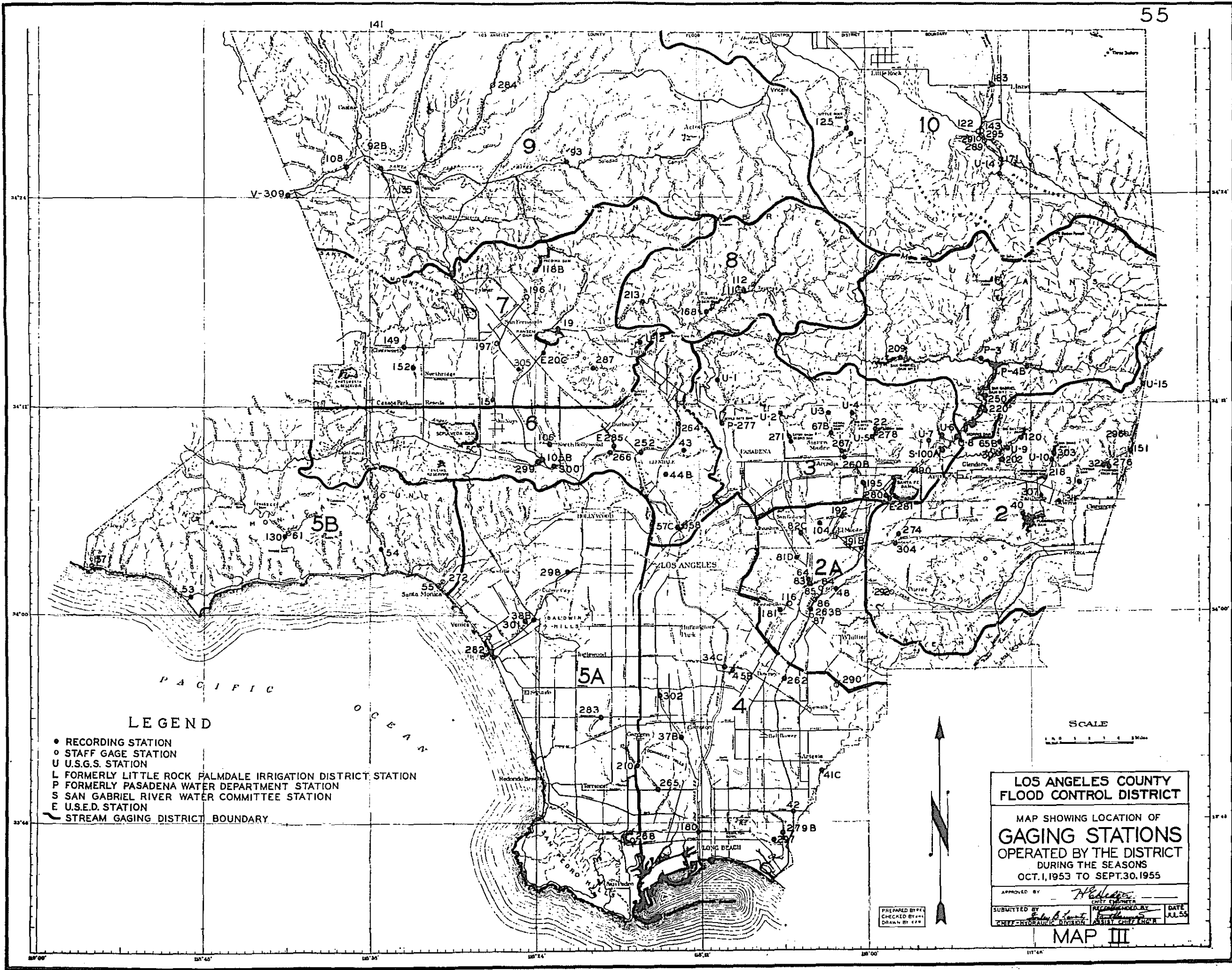
The solid line indicates the portion of the hydrograph lying below the maximum meter measurement taken during the period of the storm, unless the control was stable and the stage discharge relation was well defined by other higher measurements.

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

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

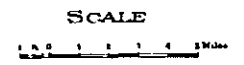
The Mean Daily Runoff Tabulations are qualified under "Accuracy" in the Station Description. "Excellent" indicates that error in the record is probably less than 5%. "Good" indicates a possible error greater than 5% but probably less than 10%. "Fair" indicates a possible error greater than 10% but probably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





LEGEND

- RECORDING STATION
- 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



**LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT**

MAP SHOWING LOCATION OF  
**GAGING STATIONS**  
OPERATED BY THE DISTRICT  
DURING THE SEASONS  
OCT. 1, 1953 TO SEPT. 30, 1955

APPROVED BY: *H. H. ...*  
CHIEF ENGINEER

SUBMITTED BY: *Edwin B. ...*  
CHIEF-HYDRAULIC DIVISION

RECOMMENDED BY: *...*  
ASSIST. CHIEF ENG'R

DATE: JUL. 55

**MAP III**

PREPARED BY: *...*  
CHECKED BY: *...*  
DRAWN BY: *...*

STATION F81D-R  
ALHAMBRA WASH near Klingerman Street

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

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

DRAINAGE AREA: 14.5 SQUARE MILES.

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

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

RECORDER: INSTALLED SEPTEMBER 2, 1936 OVER A 3.25 FT X 4.0 FT. CONCRETE STILLING WELL. AN H.C.F. RECORDER WAS IN SERVICE FROM OCTOBER 1, 1953 TO SEPTEMBER 30, 1955.

REGULATION: NONE.

DIVERSIONS: NONE.

RECORDS AVAILABLE:

AT STATION F81-R: JANUARY 14, 1930 TO SEPTEMBER 30, 1954.  
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, 1955.

EXTREMES OF DISCHARGE:

1953-54  
MAXIMUM 2410 SECOND-FOOT, FEBRUARY 13.  
MINIMUM 0.2 SECOND-FOOT IN FEBRUARY, AUGUST AND SEPTEMBER  
1954-55  
MAXIMUM 1890 SECOND-FOOT, JANUARY 18.  
MINIMUM 0.2 SECOND-FOOT AT VARIOUS TIMES  
1929-55 (STATIONS F81-R, F81B-R, F81C-R, F81D-R)  
MAXIMUM 4890 SECOND-FOOT, 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 Klingerman Street DURING THE YEAR ENDING SEPTEMBER 30, 19 55

NO.	DATE	REGIM GHD	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. ING	METH. OD	MEAN SEC. NO.	D. CH. TOTAL	METER NO.
70	2-4	0820 0825	DE MARS	10.0	1.14	1.40	0.11	1.6		FLOATS	5	0	
71	7-12	0910 0920	GODFREY	14.0	1.22	0.30	0.15	0.36			10	0	FC52

760741 Cb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. FB1D-R

Daily discharge, in second-feet of ALHAMBRA WASH at Klingergerman Street for the year ending September 30, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	b 0.5	b 0.3	b 0.3	b 0.7	1.6	b 0.6	b 1.0	b 0.3	b 0.5	b 0.2	b 0.3	b 0.3
2	0.5	1.6	b 0.3	0.7	b 1.3	1.6	0.9	0.3	0.5	0.2	0.2	0.3
3	0.4	1.6	b 0.3	0.7	1.0	1.6	0.8	0.3	0.5	0.3	0.2	0.3
4	0.4	1.9	2.1	0.7	0.6	1.6	0.7	0.3	0.5	0.3	0.2	0.3
5	0.3	2.7	b 0.3	0.7	0.2	1.6	0.6	0.3	0.5	0.3	0.2	0.3
6	0.3	2.7	0.3	0.7	0.2	1.6	0.3	0.3	0.6	0.4	0.2	0.2
7	0.3	1.3	0.3	1.2	0.2	1.6	0.4	0.3	0.6	0.4	0.2	0.2
8	0.3	0.3	0.3	1.2	0.2	1.6	0.5	0.3	0.6	0.4	0.2	0.2
9	0.3	1.5	0.3	0.9	0.2	1.6	0.5	0.3	0.6	0.4	0.2	0.2
10	0.3	1.6	0.3	0.7	0.2	1.6	0.5	0.3	0.6	0.4	0.2	0.2
11	0.3	1.9	0.3	3.9	0.2	1.6	0.4	0.3	0.6	0.3	0.2	0.2
12	0.3	2.1	0.4	6.6	3.4	b 0.4	1.6	0.4	0.6	0.3	0.2	0.3
13	0.3	2.1	0.4	3.4	b 0.4	1.1	0.3	0.3	0.7	0.3	0.2	0.3
14	0.3	1.1	0.5	b 0.7	b 0.3	0.6	0.3	0.3	0.7	0.3	0.2	0.3
15	0.3	1.1	0.5	b 0.7	b 0.3	1.6	0.3	0.3	0.7	0.3	0.2	0.3
16	0.3	b 1.3	0.5	b 0.7	b 0.3	7.7	0.3	0.3	0.7	0.3	0.3	0.3
17	0.3	1.3	0.5	4.5	b 0.3	15.7	0.4	0.3	0.7	0.3	0.3	0.3
18	0.3	1.6	0.5	4.8	b 0.6	b 1.6	0.5	0.3	0.7	0.3	0.3	0.3
19	0.3	1.4	0.5	3.25	b 0.3	2.2	0.6	0.3	0.7	0.3	0.3	0.3
20	0.3	7.9	0.5	1.1	0.3	2.7	0.6	0.3	0.7	0.3	0.3	0.3
21	b 0.3	b 1.1	0.5	2.6	0.4	4.6	0.7	0.4	0.7	0.3	0.3	0.3
22	7.2	0.3	0.5	2.3	0.4	3.1	0.7	0.4	0.7	0.3	0.3	0.3
23	4.0	1.6	0.5	0.1	0.6	b 0.6	0.6	0.4	0.7	0.3	0.3	0.3
24	1.3	1.3	0.5	15.0	0.5	3.7	0.5	0.4	0.6	0.3	0.3	0.3
25	b 0.6	1.1	0.6	3.5	0.6	5.8	0.4	0.4	0.5	0.3	0.3	0.3
26	0.5	0.3	0.6	2.8	0.6	b 1.6	0.3	0.4	0.4	0.3	0.3	0.3
27	0.6	0.3	0.6	2.3	0.6	b 1.4	b 0.3	0.4	0.4	0.3	0.3	0.3
28	0.9	0.3	0.6	2.6	b 0.6	b 1.1	2.7	0.4	0.3	0.3	0.3	0.3
29	1.0	0.3	0.7	2.1	0.6	3.9	b 0.3	0.4	0.3	0.3	0.3	0.3
30	1.8	0.3	0.7	2.1	0.6	5.0	b 0.3	0.4	0.3	0.3	0.3	0.3
31	b 1.0	0.7	0.7	1.8	0.6	b 1.0	b 0.3	0.5	b 0.2	b 0.3	b 0.3	b 0.3
	26.0	164.0	34.7	738.0	416.6	429.7	41.4	10.5	17.1	9.6	7.9	8.4
MEAN	0.84	5.47	1.12	23.8	14.9	13.9	1.38	0.34	0.57	0.31	0.25	0.28
ACRE- FEET	52.	325.	69.	1460.	826.	852.	82.	21.	34.	19.	16.	17.
Remarks:												YEAR OR PERIOD MEAN ACRES- FEET 3770.

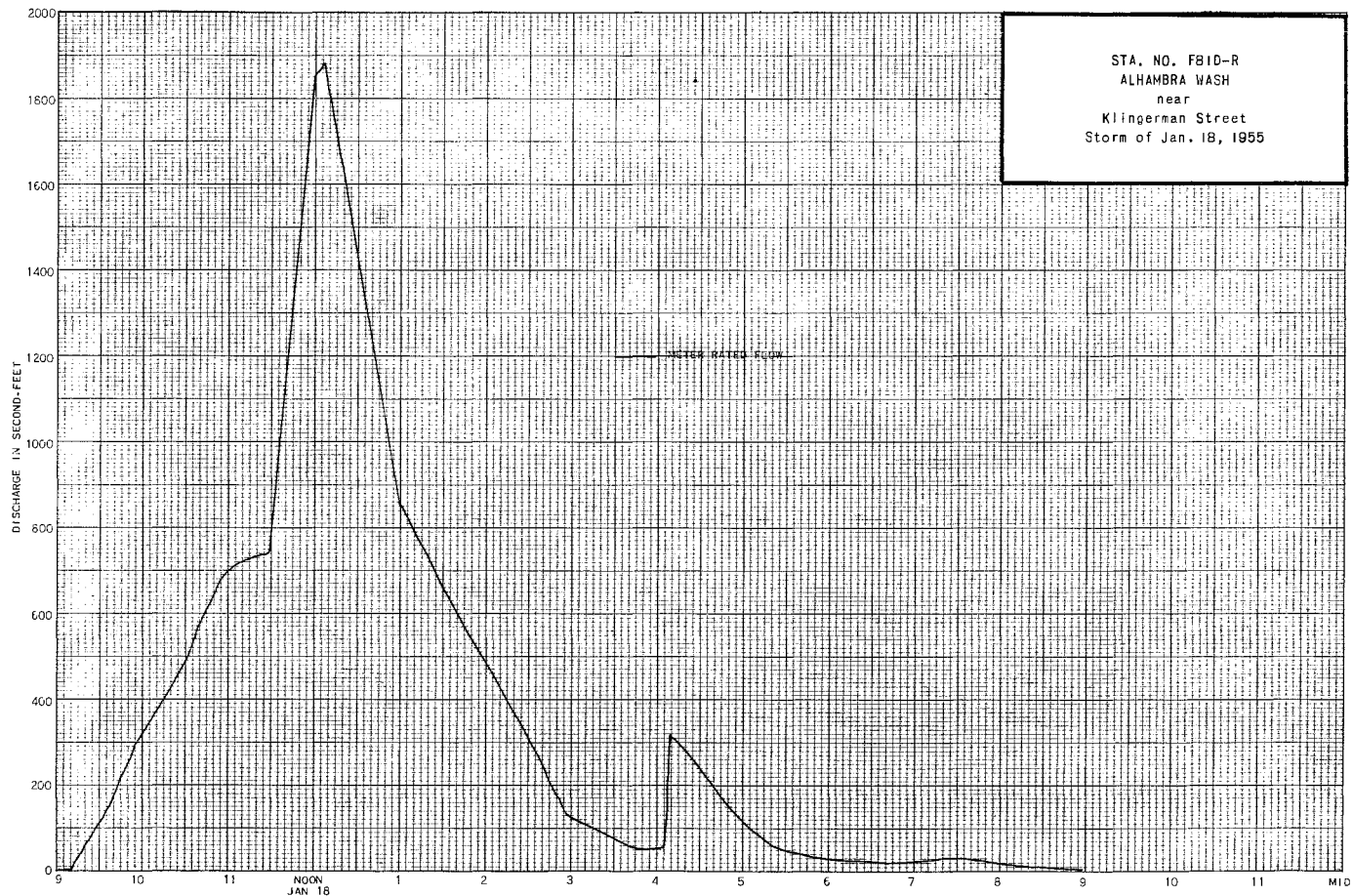
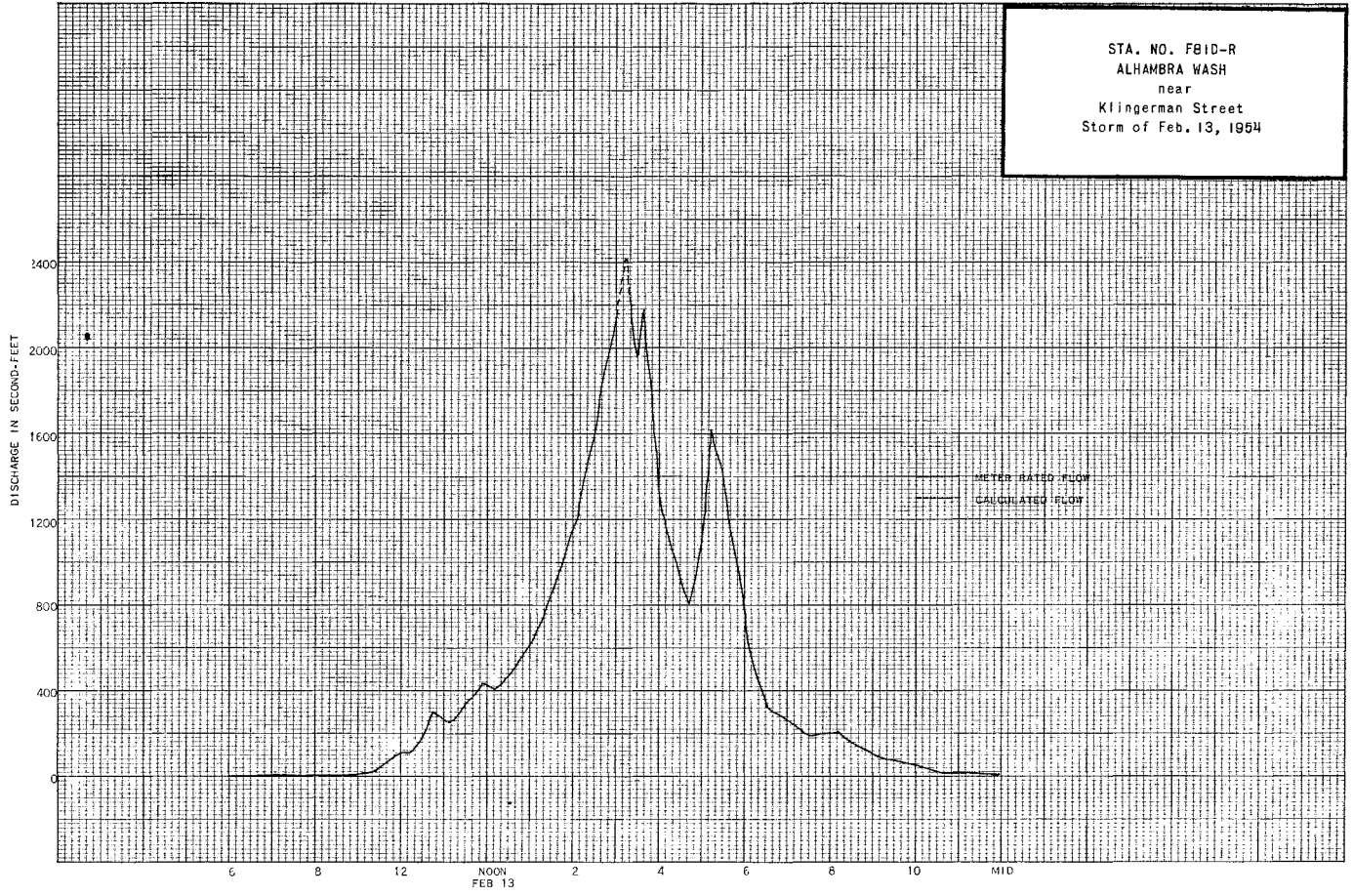
760741 Cb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. FB1D-R

Daily discharge, in second-feet of ALHAMBRA WASH at Klingergerman Street for the year ending September 30, 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	b 0.3	b 0.2	0.4	6.6	0.6	0.6	0.4	7.7	0.6	b 0.6	b 0.6	b 0.6
2	0.3	0.2	0.4	1.2	0.4	0.4	0.3	0.6	0.4	0.6	0.6	0.6
3	0.3	0.2	3.1	0.4	0.4	0.6	0.3	0.4	0.4	0.6	0.6	0.6
4	0.3	0.2	1.2	0.3	0.4	0.6	0.4	0.4	0.4	0.6	2.1	0.6
5	0.3	0.2	2.3	0.3	0.3	0.6	0.6	0.4	0.4	0.6	0.6	0.6
6	0.3	0.2	0.9	3.8	0.2	0.6	0.6	0.4	0.4	0.6	0.6	0.6
7	0.3	0.2	0.4	0.4	0.3	0.6	0.6	4.3	0.4	0.6	0.6	0.6
8	3.9	0.2	0.9	0.9	0.6	0.4	0.9	0.9	0.4	0.6	0.6	0.6
9	0.3	b 0.2	3.5	1.3	0.4	0.4	0.9	0.4	0.6	0.6	0.6	0.6
10	0.3	1.9.7	3.4	16.4	0.4	7.6	0.9	0.4	0.9	0.6	0.6	0.6
11	0.3	11.7	0.4	3.3	0.4	6.2	0.6	0.4	0.9	0.6	0.7	0.6
12	0.3	2.0	0.9	0.4	0.4	0.3	0.4	0.4	0.9	0.6	0.6	0.6
13	0.3	0.6	0.4	0.4	0.3	0.3	0.6	0.4	0.9	0.6	0.6	0.6
14	0.3	0.6	0.4	0.4	0.4	0.9	0.4	0.3	0.9	0.6	0.6	0.6
15	0.3	4.9	0.3	0.6	0.4	0.6	0.6	0.3	0.9	0.6	0.6	0.6
16	0.3	1.6	0.3	6.9	16.1	14.5	0.4	0.4	0.9	0.6	0.6	0.6
17	0.3	0.6	0.3	0.3	2.4	0.6	0.4	0.4	0.9	0.6	0.6	0.6
18	0.3	0.6	0.3	18.5	0.6	0.9	0.6	0.4	0.9	0.6	0.6	0.6
19	0.3	0.6	0.2	1.1	0.3	0.4	0.9	0.6	0.9	0.6	0.6	0.6
20	0.3	0.4	0.3	0.6	0.3	0.4	0.9	0.9	0.6	0.6	0.6	0.6
21	0.3	0.3	0.3	0.6	0.3	0.4	2.7	0.6	0.6	0.6	0.6	0.6
22	0.3	0.4	0.4	0.4	0.4	0.4	5.5	0.6	0.6	0.6	0.6	0.6
23	0.3	0.9	0.6	0.4	0.4	0.3	0.4	0.6	0.4	0.6	0.6	0.6
24	0.3	0.6	0.6	0.6	0.4	0.4	0.4	0.6	0.6	0.6	0.6	0.6
25	0.2	0.6	0.6	0.4	0.4	0.4	0.9	0.4	0.6	0.6	0.6	0.6
26	0.2	0.6	0.6	0.4	8.1	0.3	8.5	0.4	1.4	0.6	0.6	0.6
27	0.2	0.6	0.6	0.6	3.3	0.3	0.4	0.4	1.1	0.6	0.6	0.6
28	0.2	0.9	0.6	0.4	0.9	0.3	0.4	0.6	1.1	0.6	0.6	0.6
29	0.2	1.2	0.4	0.3	0.4	0.4	0.4	0.4	0.9	0.6	0.6	0.6
30	0.2	0.6	0.4	2.1	0.6	0.6	1.3	0.6	0.6	0.6	0.6	0.6
31	b 0.2	0.6	0.6	18.1	0.6	0.6	0.9	0.9	b 0.6	b 0.6	b 0.6	b 0.6
	12.2	175.1	105.4	577.1	91.1	110.3	236.1	134.5	21.5	18.6	20.2	18.0
MEAN	0.39	5.84	3.40	18.6	3.25	3.56	7.87	4.34	0.72	0.60	0.65	0.6
ACRE- FEET	24.	347.	209.	1150.	181.	219.	468.	267.	43.	37.	40.	36.
Remarks:												YEAR OR PERIOD MEAN ACRES- FEET 3020.





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 3500 FEET WEST OF RESEDA AVENUE, ELEVATION OF ZERO GAGE HEIGHT, 815.12 FEET. (GAGE PLATES LOWERED 1.00 FOOT 10-27-52.)

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, 1953 TO SEPTEMBER 30, 1955.

REGULATION AND/OR DIVERSIONS: NONE

RECORDS AVAILABLE: NOVEMBER 3, 1939 TO SEPTEMBER 30, 1955.

EXTREMES OF DISCHARGE:

1953-54

MAXIMUM 889 SECOND-FOOT JANUARY 19.  
MINIMUM NO FLOW MOST OF YEAR.

1954-55

MAXIMUM 95 SECOND-FOOT JANUARY 18.  
MINIMUM NO FLOW MOST OF YEAR.

1939-55

MAXIMUM DISCHARGE NOT DETERMINED FEBRUARY 20, 1941.  
MAXIMUM 1750 SECOND-FOOT 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 Nordhoff Street DURING THE YEAR ENDING SEPTEMBER 30, 1954

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. NO.	MEAN SEC. NO.	D. NT. CHANGE TOTAL	METER NO.
160	11-14	1620 1626	BLAKELY	13.0	4.28	1.80	2.22	7.7		.5	8	-.05	FC24
161	1-22	1605 1611	BLAKELY-SPELLMAN	12.5	4.11	1.63	1.40	6.7		.5	8	0	"
162	1-19	0552 0602	" "	12.0	5.50	1.66	1.29	5.8		.5	7	+.02	"
163	1-19	1929 1936	" "	13.5	12.4	4.50	1.80	55.8		.6	6	+.02	"
164	1-24	1610 1614	" "	11.7	4.23	2.50	1.11	10.6		.5	7	+.03	"
165	2-13	1522 1529	BLAKELY-BLAKE	16.0	25.3	8.38	2.90	212.		.6	7	-.15	"
166	3-16	2106 2110	" "	11.5	2.05	1.27	1.20	2.6		.5	6	-.01	"
167	3-20	0950 0700	HYDE-OCAMPO	11.5	6.42	4.14	1.70	26.6		.6	8	0	FC35
168	3-29	2342 2347	BLAKELY-BLAKE	13.0	4.58	2.82	1.41	12.9		.6	7	+.08	FC24

DISCHARGE MEASUREMENTS OF ALISO WASH  
AT Nordhoff Street DURING THE YEAR ENDING SEPTEMBER 30, 1955

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. NO.	MEAN SEC. NO.	D. NT. CHANGE TOTAL	METER NO.
169	1-6	1300 1307	BLAKELY-BLAKE	10.5	4.66	1.37	2.67	6.4		.5	6	0	FC24
170	1-10	0553 0559	" "	20.0	13.8	2.92	3.14	40.3		.6	7	-.01	"
171	1-18	1135 1141	" "	29.0	18.1	4.22	3.19	76.3		.5	10	+.08	"
172	1-18	1616 1622	" "	13.0	6.73	2.66	2.66	17.9		.5	7	-.01	"
173	2-17	0920 0924	" "	3.3	0.69	2.03	2.21	1.4		.5	4	+.03	"
174	2-27	1267 1301	" "	7.0	1.23	1.47	2.25	1.8		.5	7	-.04	"
175	4-22	0134 0138	" "	3.0	0.53	1.77	2.18	0.94		.5	5	0	"
176	4-30	1829 1835	" "	20.5	8.27	2.56	2.57	21.1		.6	10	0	"

76074K Cb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F182-R

Daily discharge, in second-feet of ALISO WASH at Nordhoff Street for the year ending September 30, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1												
2	+	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	0.1	0	0	0	0				
10	0	0	0	0	0	0	0	0				
11	+	0	0	0	0	0	0	0				
12	+	0	0	0.8	0	0	0	0				
13	0	0	0	0	3.1	0	0	0				
14	0	5.6	0	0	0	0	0	0				
15	+	0	0	0	0	0	0	0				
16	0	0	0	0	0	4.1	0	0				
17	0	0	0	0	0	0	0	0				
18	0	0	0	0.7	0.6	0	0	0				
19	0	0	0	5.5	0	0	0	0				
20	0	0	0.1	0.2	0	3.3	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	1.8	0	+	0	0				
25	0	0	0	1.4	0	0	0	0				
26	0	0	0	0	0	0	0	0				
27	0	0	0	0	0	0	0	0				
28	0	0	0	0	0	0	0	0				
29	0	0	0	0	0	0.4	0	0				0
30	0	0	0	0	0	9.2	0	0				0
31	0	0	0	0	0	0	0	0				0
	+	5.6	0.1	8.8	31.6	22.0	0	0				0

MEAN	+	0.19	.003	2.86	1.13	0.71	0	0	0	0	0	0
ACRE- FEET	+	11.	0.2	176.	63.	44.	0	0	0	0	0	0

Remarks: + = 0.05 cfs or less  
 YEAR OR PERIOD MEAN ACRES-FEET 0.41 294.

76074K Cb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F182-R

Daily discharge, in second-feet of ALISO WASH at Nordhoff Street for the year ending September 30, 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0.3	0	0	+	+				
2	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	1.0	0	0	0	0				
7	0	0	0	0	0	0	0	0.1				
8	0	0	0	0	0	0	0	0				
9	+	0	0.2	0	0	0	+	0				
10	+	0	0.3	7.6	0	0	0	0				
11	+	+	0	0	0	0	0	0				
12	0	+	0	0	0	0	0	0				
13	0	0	0	0	0	0	0	0				
14	+	0	0	0	0	0	+	0				
15	0	0	0	0	0	0	0	0				
16	0	0	0	0.2	0	0	0	0				
17	0	0	0	0	0.1	0	0	0				
18	0	0	0	1.4	0	0	0	0				
19	0	0	0	0	0	0	0	0				
20	0	0	0	0	0	0	0	0				
21	0	0	0	0	0	0	0	0				
22	0	0	0.1	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	0.1				
27	0	0	0	0	0.5	0	0	0				
28	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	3.2	0				
			0.6	23.1	0.6		9.4	0.1	0	0	0	0

MEAN	+	+	0.02	0.75	0.02	+	0.31	0	0	0	0	0
ACRE- FEET	+	+	1.2	46.	1.2	+	19.	0.2	0	0	0	0

Remarks: + = 0.05 CFS OR LESS  
 YEAR OR PERIOD MEAN ACRES-FEET 0.09 68.



STATION U I-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. 32, T.2N., R.12W., 1.5 MILES  
UPSTREAM FROM MILLARD CANYON AND 5.5 MILES NORTHWEST OF PASADENA.  
ALTITUDE OF GAGE 1397.88.

DRAINAGE AREA: 16.4 SQUARE MILES.

RECORDS AVAILABLE: DECEMBER 1910 TO SEPTEMBER 1955.

AVERAGE DISCHARGE: 41 YEARS (1913-15, 1916-55) = 9.35 SECOND-FOOT.

EXTREMES:

1953-54

MAXIMUM DISCHARGE 571 SECOND-FOOT JANUARY 24. (GAGE HEIGHT 4.00 FEET.)  
MINIMUM DAILY 0.1 SECOND-FOOT PART OF AUGUST AND SEPTEMBER.

1954-55

MAXIMUM DISCHARGE 107 SECOND-FOOT APRIL 30. (GAGE HEIGHT 2.39 FEET.)  
MINIMUM DISCHARGE NO FLOW ON MANY DAYS.

1910-55

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

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

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

DISCHARGE MEASUREMENTS OF ARROYO SECO  
above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1954

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INS.	METH. NO.	WEAR. REC. NO.	D. CHG. TOTAL	METER NO.	NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INS.	METH. NO.	WEAR. REC. NO.	D. CHG. TOTAL	METER NO.
1888	10-1		U.S.G.S.				0.57	0.25						1911	3-1	U.S.G.S.	14.5	5.61	0.73	0.80	4.10	.6	16	0			
1889	10-15		U.S.G.S.	1.6	0.40	0.60	0.56	0.27	.5	10	0		1912	3-5	1430 1440	STUNDEN	3.5	0.98	4.39	0.80	4.30	.5	8	0	FC12		
1890	10-15	1450 1500	STUNDEN	1.6	0.39	0.57	0.55	0.22	.5	5	0	FC50	1913	3-11	0830 0840	STUNDEN	4.9	2.75	1.16	0.79	3.20	-5.6	11	0	FC12		
1891	10-29		U.S.G.S.				0.55	0.19	FLUME				1914	3-16		U.S.G.S.	5.4	2.93	1.20	0.74	3.51	.6	13	0			
1892	11-4	0855 1005	STUNDEN	2.0	0.34	0.76	0.56	0.26	.5	7		FC50	1915	3-22		U.S.G.S.	20.3	13.7	1.47	1.28	20.2	-5.6	21	+02			
1893	11-13		U.S.G.S.				0.55	0.25	FLUME				1916	3-25	1245 1300	STUNDEN	18.5	14.2	1.54	1.35	21.9	-5.6	15	-01	FC12		
1894	11-19	1540 1545	STUNDEN	1.8	0.35	0.83	0.58	0.29	.5	7	0	FC50	1917	3-31		U.S.G.S.	21.4	17.4	1.52	1.48	26.4	-5.6	23	-01			
1895	12-1		U.S.G.S.				0.56	0.30	FLUME				1918	4-8		U.S.G.S.	15.0	9.33	1.09	1.03	10.2	-5.6	28	0			
1896	12-10	1320 1330	STUNDEN	2.3	0.68	0.49	0.56	0.33	.6	6	0	FC50	1919	4-8	1555 1605	STUNDEN	12.5	7.87	1.28	1.01	10.1	-5.6	12	0	FC36		
1897	12-15		U.S.G.S.	2.4	0.84	0.46	0.55	0.41	.5	13	0		1920	4-15		U.S.G.S.	17.6	7.40	1.09	0.86	8.04	-5.6	26	0			
1898	12-23	0820 0830	STUNDEN	2.3	0.92	0.70	0.58	0.65	.5	6	0	FC50	1921	4-19		U.S.G.S.	10.1	5.49	1.04	0.84	5.72	.6	22	0			
1899	1-4		U.S.G.S.	3.3	1.72	0.45	0.59	0.77	.5	12	0		1922	4-22	1510 1525	STUNDEN	10.1	5.35	0.99	0.84	5.31	-5.6	12	0	FC50		
1900	1-6	0835 0930	STUNDEN	2.3	0.86	0.76	0.58	0.65	.5	6	0	FC50	1923	4-30		U.S.G.S.	10.2	5.42	0.96	0.85	5.21	.6	21	0			
1901	1-14		U.S.G.S.	3.1	1.58	0.49	0.60	0.78	.6	12	0		1924	5-17		U.S.G.S.	10.2	4.71	0.72	0.80	3.38	-5.6	21	0			
1902	1-19		U.S.G.S.	23.4	21.5	1.25	1.44	25.9	-5.6	25	+01		1925	5-26	0920 0930	STUNDEN	5.0	2.75	0.82	0.82	2.28	-5.6	11	0	FC50		
1903	1-20		U.S.G.S.	14.5	12.4	1.49	1.24	18.5	.6	29	+01		1926	6-1		U.S.G.S.	10.3	3.94	0.47	0.81	1.85	.5	22	0			
1904	1-22	0750 0800	STUNDEN	4.0	3.2	1.81	0.81	5.79	.6	9	0	FC36	1927	6-10	1030 1045	STUNDEN	5.5	2.81	0.64	0.84	1.83	.5	11	0	FC50		
1905	1-25		U.S.G.S.	28.0	30.8	2.95	2.34	90.8	-2.8	25	+04		1928	6-14		U.S.G.S.	6.7	2.58	0.69	0.88	1.75	.6	20	0			
1906	1-27		U.S.G.S.	21.3	10.3	1.27	1.15	13.1	-5.6	27	0		1929	6-21		U.S.G.S.	5.2	1.73	0.91	0.76	1.56	-5.6	27	0			
1907	2-1		U.S.G.S.	12.0	5.42	0.96	0.80	5.21	.6	25	0		1930	6-24	1245 1300	MODN	5.3	1.88	0.85	0.74	1.61	.5	12	0	FC48		
1908	2-3	0830 0940	STUNDEN	14.0	5.59	0.93	0.79	5.16	-5.6	11	0	FC36	1931	6-30		U.S.G.S.	5.1	1.73	0.83	0.71	1.43	.6	18	0			
1909	2-14		U.S.G.S.	22.0	25.9	2.76	2.12	71.4	-2.8	23	+01		1932	7-15		U.S.G.S.	2.9	0.71	0.97	0.69	0.69	.5	16	0			
1910	2-18	0940 0855	STUNDEN	14.5	9.15	1.36	1.06	12.4	-5.6	15	0	FC12	1933	7-22	1615 1625	STUNDEN	2.7	0.50	0.72	0.62	0.36	.5	7	0	FC50		
													1934	7-31		U.S.G.S.					0.59	0.32	FLUME				
													1935	8-4	1345 1355	STUNDEN	2.7	0.42	0.62	0.59	0.26	.5	9		FC50		
													1936	8-16		U.S.G.S.	1.2	0.23	1.00	0.58	0.23	.5	7	0			
													1937	8-18	1100 1105	STUNDEN	1.2	0.29	1.14	0.60	0.33	.5	7		FC50		
													1938	8-31		U.S.G.S.				0.55	0.13	FLUME					
													1939	9-2	1505 1515	STUNDEN	1.1	0.15	1.0	0.54	0.15	.5	5		FC50		
													1940	9-15		U.S.G.S.				0.54	0.10	FLUME					
													1941	9-23	1345 1400	STUNDEN	2.1	0.19	0.74	0.54	0.14	.5	5	0			

DISCHARGE MEASUREMENTS OF ARROYO SECO  
above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1955

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE CFS.	RAT. ING.	METH. NO.	MEAN REC. NO.	S. INT. CHARGE TOTAL	METER NO.
1942	10-4		U.S.G.S.				0.57	0.18	FLUME				
1943	10-7	1325 1325	STUNDEN	1.1	0.22	1.09	0.56	0.24	.5	6	0	FC50	
1944	10-14		U.S.G.S.				0.53	0.11	FLUME				
1945	10-21	1345 1400	STUNDEN	1.20	0.14	0.64	0.52	0.09	.5	7	0	FC50	
1946	11-1		U.S.G.S.				0.53	0.08	FLUME				
1947	11-4	1405 1415	STUNDEN	1.00	0.08	0.50	0.52	0.04	.5	5	0	FC50	
1948	11-10	1350 1400	"	1.00	0.10	0.50	0.52	0.05	.5	6	0	"	
1949	11-15		U.S.G.S.				0.53	0.10	FLUME				
1950	11-24	1340 1345	STUNDEN	1.10	0.17	0.58	0.54	0.10	.5	5	0	FC50	
1951	11-30		U.S.G.S.				0.55	0.27	FLUME				
1952	12-9	1325 1335	STUNDEN	1.10	0.22	0.86	0.53	0.19	.5	5	0	FC50	
1953	12-16		U.S.G.S.	2.8	1.12	1.28	0.64	1.43	.6	15	0		
1954	12-23	1440 1450	STUNDEN	2.80	0.86	0.96	0.61	0.82	.5	9	0	FC50	
1955	1-3		U.S.G.S.	2.8	1.36	1.43	0.66	1.94	.6	16	0		
1956	1-6	0820 0827	STUNDEN	2.7	1.28	1.33	0.67	1.68	.6	6	0	FC50	
1957	1-17		U.S.G.S.	17.3	10.3	0.53	0.79	5.44	.6	24	0		
1958	1-19		"	21.6	14.5	1.06	1.09	15.3	.6	26	-0.2		
1959	1-20	1445 1500	STUNDEN	19.0	10.5	0.74	0.85	7.83	.5	12	0	FC36	
1960	2-1		U.S.G.S.	18.7	8.07	0.52	1.08	4.24	.5	22	0		
1961	2-3		"	18.6	7.49	0.44	0.74	3.31	.5	23	0		
1962	2-10	1405 1420	STUNDEN	4.0	2.27	1.01	0.70	2.34	.5	9	0	FC50	

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE CFS.	RAT. ING.	METH. NO.	MEAN REC. NO.	S. INT. CHARGE TOTAL	METER NO.
1963	2-15		U.S.G.S.	2.9	0.65	3.77	0.68	2.56	.5	15	0		
1964	2-24	0740 0750	STUNDEN	4.10	2.30	1.00	0.70	2.30	.5	10	0	FC50	
1965	3-1		U.S.G.S.	17.0	8.67	0.61	0.80	5.28	.6	30	0		
1966	3-9	0750 0805	STUNDEN	4.1	2.33	1.03	0.72	2.44	.5	10	0	FC50	
1967	3-15		U.S.G.S.	17.0	6.80	0.53	0.75	3.69	.6	29	0		
1968	3-24	0850 0900	STUNDEN	4.2	2.32	1.03	0.70	2.35	.6	10	0	FC50	
1969	3-30		U.S.G.S.	8.5	3.09	0.65	0.67	2.08	.5	21	-0.1		
1970	4-7	0855 0905	STUNDEN	4.1	1.91	0.84	0.65	1.6	.5	9	0	FC50	
1971	4-15		U.S.G.S.	3.1	1.57	0.68	0.64	1.06	.5	18	0		
1972	4-20	0820 0830	STUNDEN	3.0	1.59	0.69	0.64	1.1	.5	9	0	FC50	
1973	4-29		U.S.G.S.	3.1	1.71	0.84	0.65	1.44	.6	17	0		
1974	5-2		"	20.0	12.2	0.93	1.05	11.4	.6	26	0		
1975	5-5	1405 1414	STUNDEN	3.0	1.05	5.05	0.80	5.3	.5	7	0	FC36	
1976	5-6		U.S.G.S.	16.0	5.64	0.68	0.87	3.82	.5	21	0		
1977	5-16		"	5.1	2.26	1.36	0.78	3.08	.5	11	0		
1978	5-19	1315 1330	STUNDEN	4.0	1.50	1.07	0.68	1.6	.6	9	0	FC60	
1979	5-26	1350 1400	"	4.0	1.67	1.26	0.67	2.1	.5	9	0	"	
1980	6-1		U.S.G.S.	3.6	1.64	1.13	0.68	1.86	.6	20	0		
1981	6-15		"	3.5	1.53	0.89	0.70	1.36	.5	20	0		
1982	6-22	1445 1455	MOON	2.2	0.86	0.81	0.68	0.70	.5	8	0	FC48	
1983	6-30		U.S.G.S.	2.9	1.24	0.71	0.67	0.88	.6	16	0		
1984	7-7	1445 1455	STUNDEN	2.7	1.00	0.54	0.64	0.54	.5	7	0	FC50	
1985	7-15		U.S.G.S.	1.8	0.49	0.53	0.65	0.26	.5	11	0		
1986	7-21	0850 0900	WHISLER	1.3	0.39	0.77	0.59	0.30	.6	7	0	FC50	
1987	7-29		U.S.G.S.				0.54	0.10	FLUME				
1988	8-4	0900 0907	WHISLER	1.3	0.34	0.56	0.55	0.19	.5	7	0	FC50	
1989	8-15		U.S.G.S.				0.52	0.04	FLUME				
1990	8-25	1315 1320	STUNDEN	0.4	0.06	0.33		0.02			0	FC50	

REF: 65 12-53

LOS ANGELES COUNTY  
 FLOOD CONTROL DISTRICT  
 HYDRAULIC DIVISION

Sta. No. UI-R

Daily discharge, in second-feet of ARROYO SECO above Mouth of Canyon for the year ending September 30, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.3	0.2	0.3	0.7	5.5	4.1	2.0	5.2	1.9	1.3	0.3	0.1
2	0.3	0.2	0.3	0.7	5.3	4.1	1.7	5.0	1.8	1.3	0.3	0.1
3	0.3	0.2	0.3	0.7	5.1	4.1	1.5	4.5	1.6	1.3	0.3	0.1
4	0.3	0.3	0.4	0.7	4.9	4.3	1.3	4.1	1.8	1.3	0.3	0.1
5	0.3	0.3	0.4	0.7	4.7	4.3	1.2	4.1	1.6	1.3	0.3	0.1
6	0.3	0.3	0.4	0.7	3.7	4.3	1.2	3.9	1.7	1.3	0.2	0.1
7	0.3	0.3	0.3	0.7	3.3	4.3	1.1	3.9	1.7	1.3	0.2	0.1
8	0.3	0.3	0.3	0.7	3.3	4.3	0.9	3.9	1.8	1.3	0.2	0.1
9	0.3	0.3	0.3	0.7	3.1	4.1	0.9	3.9	1.8	1.2	0.2	0.1
10	0.3	0.2	0.3	0.7	3.1	4.1	0.9	3.9	1.8	0.9	0.1	0.1
11	0.3	0.2	0.3	0.7	3.1	3.7	0.9	3.9	1.8	0.9	0.2	0.1
12	0.4	0.3	0.4	0.9	3.1	3.3	0.9	3.7	1.8	0.9	0.2	0.1
13	0.4	0.2	0.4	0.9	4.5	3.1	0.9	3.5	1.8	0.9	0.2	0.1
14	0.3	0.7	0.4	0.7	3.7	3.0	0.9	3.3	1.8	0.7	0.2	0.1
15	0.3	0.5	0.4	0.7	2.6	3.0	0.9	3.3	1.8	0.7	0.2	0.1
16	0.3	0.3	0.4	0.7	1.4	3.0	0.9	3.3	1.9	0.7	0.2	0.1
17	0.3	0.3	0.5	0.7	1.2	4.3	7.2	3.3	2.1	0.8	0.2	0.1
18	0.2	0.3	0.5	1.1	1.2	1.2	3.5	3.3	2.1	0.8	0.2	0.1
19	0.2	0.3	0.6	3.3	8.6	5.5	5.0	3.3	2.1	0.8	0.2	0.1
20	0.2	0.3	0.7	2.3	7.0	2.2	5.5	3.1	1.8	0.5	0.3	0.1
21	0.3	0.3	0.7	7.8	6.0	2.0	5.3	3.1	1.6	0.4	0.3	0.1
22	0.2	0.3	0.7	5.5	5.1	2.3	5.3	3.0	1.6	0.4	0.3	0.1
23	0.2	0.3	0.7	4.7	4.7	2.3	5.3	2.5	1.4	0.4	0.3	0.1
24	0.2	0.3	0.7	5.2	4.3	1.9	5.3	2.3	1.6	0.4	0.2	0.1
25	0.2	0.3	0.7	2.05	4.3	1.5	5.3	2.3	1.6	0.4	0.2	0.1
26	0.2	0.3	0.7	2.6	4.3	1.5	5.3	2.3	1.7	0.4	0.2	0.1
27	0.2	0.3	0.7	1.3	4.3	1.6	5.3	2.3	1.7	0.4	0.2	0.1
28	0.2	0.4	0.7	3.8	4.3	1.4	5.3	2.3	1.5	0.4	0.1	0.1
29	0.2	0.4	0.7	7.5	4.3	1.4	5.3	2.3	1.5	0.4	0.1	0.1
30	0.2	0.4	0.7	6.2	4.3	1.5	5.3	2.3	1.3	0.4	0.1	0.1
31	0.2	0.4	0.7	5.8	4.3	1.5	5.3	2.3	1.3	0.3	0.1	0.1
	8.2	9.3	15.7	412.7	279.3	361.8	253.7	103.2	52.0	23.9	6.6	3.0

MEAN	0.26	0.31	0.51	13.3	9.98	11.7	8.46	3.33	1.73	0.77	0.21	0.10
ACRE- FEET	16.	18.	31.	819.	554.	718.	503.	205.	103.	47.	13.	6.0

Remarks:

YEAR OR PERIOD MEAN 4.19  
 3030.

FORM Gb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. UI-R

Daily discharge, in second-feet of ARROYO SECO above Mouth of Canyon for the year ending September 30, 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.1	0	0.2	1.9	4.3	5.1	1.9	3.0	2.0	0.8	0.1	0
2	0.1	0	0.2	2.9	4.1	4.7	1.8	11	1.8	0.7	0.1	0
3	0.2	0	0.3	2.1	3.4	4.1	1.7	7.0	1.6	0.7	0.1	0
4	0.1	0	0.4	1.9	3.0	3.9	1.6	5.5	1.3	0.7	0.1	0
5	0.2	0	0.3	1.7	2.6	3.9	1.6	4.5	1.2	0.7	0.1	0
6	0.2	0	0.5	2.1	2.5	3.7	1.6	4.0	1.2	0.8	0.1	0
7	0.2	0	0.5	3.1	2.5	3.5	1.5	6.9	1.1	0.5	0.1	0
8	0.2	0	0.3	2.3	2.3	3.1	1.4	6.1	1.1	0.5	0.1	0
9	0.2	0	0.3	2.1	2.3	3.1	1.3	5.5	1.0	0.5	0.1	0
10	0.2	0	1.1	11	2.3	3.5	1.3	4.9	1.0	0.5	0	0
11	0.2	0.6	2.3	6.4	2.2	9.1	1.2	4.3	1.0	0.5	0	0
12	0.2	0.2	1.8	4.3	2.2	4.7	1.0	3.7	0.9	0.4	0	0
13	0.2	0.1	1.6	4.1	2.2	3.9	1.0	3.3	1.0	0.4	0	0
14	0.1	0.1	1.4	4.1	2.5	3.7	1.0	3.2	1.2	0.3	0	0
15	0.1	0.1	1.3	4.1	2.6	3.7	1.0	3.1	1.3	0.3	0	0
16	0.1	0.1	1.3	6.9	2.6	3.9	0.9	3.1	1.3	0.3	0	0
17	0.1	0.1	1.2	5.8	3.9	3.7	0.9	2.6	1.2	0.3	0	0
18	0.1	0.1	1.2	30	3.3	3.5	1.0	1.8	1.0	0.3	0	0
19	0.1	0.1	1.1	18	2.8	3.1	1.1	1.7	1.0	0.3	0	0
20	0.1	0.1	1.0	7.9	2.5	3.0	1.1	1.6	0.9	0.3	0	0
21	0	0.1	1.0	6.5	2.8	2.8	1.1	1.8	0.8	0.3	0	0
22	0	0.1	1.0	6.0	2.3	2.6	1.9	1.8	0.7	0.2	0	0
23	0.1	0.1	1.0	5.3	2.3	2.6	1.6	1.9	0.7	0.2	0	0
24	0.1	0.1	0.9	4.9	2.3	2.6	1.6	2.1	0.9	0.2	0	0.1
25	0	0.1	0.9	4.5	2.3	2.5	1.4	2.1	1.1	0.2	0	0.1
26	0	0.1	0.9	4.3	2.8	2.3	1.7	2.1	1.3	0.2	0	0.1
27	0	0.2	0.9	3.7	6.4	2.2	1.6	1.9	1.1	0.1	0	0.1
28	0	0.2	0.9	3.5	5.9	2.2	1.4	1.8	1.0	0.1	0	0.1
29	0	0.3	0.9	3.0		2.2	1.4	1.7	0.9	0.1	0	0.1
30	0.1	0.3	0.9	3.0		2.2	2.3	2.2	0.9	0.1	0	0.1
31	0.1	0.3	0.9	3.0		2.1	2.2	2.2	0.9	0.1	0	0.1
	3.4	3.2	28.1	172.7	83.7	107.2	62.6	135.8	33.5	11.4	0.9	0.7
MEAN	0.11	0.11	0.91	5.57	2.99	3.46	2.09	4.38	1.12	0.37	0.03	0.02
ACRS. FEET	6.7	6.3	56.	343.	166.	213.	124.	269.	66.	23.	1.8	1.4

Remarks:												
	YEAR OR PERIOD											MEAN ACRE-Feet
												1280.

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 1.0 FOOT HIGH WITH LOW FLOW NOTCH 1.0 FOOT HIGH BY 3.0 FEET WIDE AT THE TOP AND 2.0 FEET WIDE AT BOTTOM, FORMS THE CONTROL. LOW WATER NOTCH INSTALLED OCTOBER 1, 1953.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM WASHINGTON STREET BRIDGE ABOUT 0.5 MILE BELOW STATION.

RECORDER: INSTALLED NOVEMBER 30, 1942 OVER A 32-INCH DIAMETER STILLING WELL. AN H.C.F. RECORDER WAS IN SERVICE FROM OCTOBER 1, 1953 TO SEPTEMBER 30, 1955.

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, 1955. RECORDS PRIOR TO NOVEMBER 30, 1942 ARE AVAILABLE AT THE PASADENA WATER DEPARTMENT.

EXTREMES OF DISCHARGE:  
1953-54  
MAXIMUM 127 SECOND-Feet JANUARY 25.  
MINIMUM NO FLOW MDST OF YEAR.  
1954-55  
MAXIMUM 14 SECOND-Feet APRIL 30.  
MINIMUM NO FLOW PART OF YEAR.  
1942-55  
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  
below Devil's Gate Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 54

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAT. INB	METH. DD	MEAS. REC. NO.	D. HT. CHANGE TOTAL	METER NO.
292	1-25	0925 0930	STUNDEN-MURPHY	6.0	9.60	10.4	1.65	100.	FLOATS	5			
293	1-26	1131 1147	" "	33.0	12.4	4.71	1.43	58.4	.6	15			FC36
294	1-28	0955 1000	STUNDEN	3.0	0.29	1.93	0.14	0.56	.5	6			FC50
295	2-3	0735 0740	"	CHANNELS		0.15	0.52		.5	5			"
296	2-11	1502 1507	"	2.0	0.25	1.76	0.19	0.44	.5	6			"
297	2-18	0740 0750	"	1.7	0.40	1.95	0.17	0.78	.5	6			"
298	2-27	0915 0925	"	2.2	0.54	1.28	0.16	0.69	.5	7			"
299	3-5	1245 1250	"	2.2	0.37	1.68	0.16	0.62	.5	7			"
300	3-11	1000 1010	"	2.0	0.44	2.05	0.16	0.90	.5	6			"
301	3-17	1510 1514	"	2.2	0.52	1.85	0.17	0.96	.5	6			"
302	3-22	0845 0900	"	10.7	3.46	3.42	0.87	11.8	.5	12			FC12
303	3-25	1030 1040	"	2.2	0.54	1.46	0.19	0.79	.5	6			FC50
304	4-2	1100 1115	WHISLER	4.5	0.84	1.31	0.21	1.1	.6	10			"
305	4-8	1700 1715	STUNDEN	3.0	0.53	1.89	0.21	1.0	.5	6			"
306	4-20	1415 1435	"	3.0	0.65	2.00	0.21	1.3	.5	7	0		"
307	4-28	0850 0900	"	3.0	0.60	1.83	0.20	1.1	.5	6	0		"
308	5-6	1705 1715	"	3.0	0.52	1.71	0.19	0.89	.5	7	0		"
309	5-13	0835 0850	"	3.0	0.61	1.56	0.18	0.95	.5	7	0		"
310	5-20	1450 1500	"	2.5	0.49	1.51	0.17	0.74	.5	6	0		"
311	5-26	1015 1025	"	1.7	0.92	0.57	0.15	0.52	.5	5	0		"
312	6-3	0815 0825	"	2.0	0.36	1.41	0.13	0.41	.5	6	0		"
313	6-10	1155 1205	"	1.4	0.23	1.22	0.12	0.28	.5	5	0		"
314	6-17	1310 1315	MOON	1.0	0.24	1.04	0.11	0.25	.5	3	0		FC48
315	6-24	1125 1120	"	1.3	0.26	0.88	0.10	0.23	.5	5	0		"
316	7-1	1245 1248	"	2.5	0.38	2.45	0.18	0.93	.5	3	0		"
317	7-6	1345 1350	"	4.0	0.79	2.02	0.22	1.6	.5	5	0		FC29
318	7-8	1125 1135	"	4.5	0.90	1.67	0.22	1.5	.5	6	0		"
319	7-15	1500 1510	STUNDEN	2.0	0.56	1.79	0.19	1.0	.5	6	0		FC50
320	7-22	1512 1522	"	1.4	0.15	1.00	0.17	0.15	.5	5	0		"
321	7-26	0830 0840	"	2.2	0.26	0.58	0.19	0.15	.5	6	0		"
322	7-29	1540 1550	"	1.0	0.07	0.72	0.19	0.05	.5	5	0		"
323	8-4	1530 1540	"	0.7	0.04	1.00		0.04	.5	4			"
324	8-12	0830 0840	"	0.6	0.04	1.00	0.19	0.04	FLOATS	4	0		"
325	8-18	1019 1015	"	0.6	0.04	1.00	0.18	0.04	.5	4	0		FC50

DISCHARGE MEASUREMENTS OF ARROYO SECO  
below Devil's Gate Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 55

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAT. INB	METH. DD	MEAS. REC. NO.	D. HT. CHANGE TOTAL	METER NO.
326	11-17	1200 1210	STUNDEN	1.7	0.24	1.02	0.15	0.25	.5	5	0		FC50
327	11-19	0900 0915	"	5.0	1.54	2.14	0.47	3.3	.5	7	0		FC36
328	11-24	1230 1240	"	1.0	0.09	0.89	0.19	0.08	SURF	4	0		FLOATS
329	12-2	1415 1420	"	1.2	0.09	0.56	0.16	0.05	.5	5	0		FC50
330	12-8	1430 1435	"	2.4	0.37	1.59	0.20	0.59	.5	6	0		"
331	12-16	1150 1200	"	3.3	0.52	1.10	0.18	0.57	.5	7	0		"
332	12-23	1530 1540	"	1.3	0.24	0.54	0.16	0.13	.5	5	0		"
333	12-29	0750 0755	"	1.2	0.12	0.92	0.14	0.11	.5	5	0		"
334	1-6	0932 0937	"	2.0	0.30	1.10	0.23	0.33	.5	5	0		"
335	1-12	1500 1509	"	2.4	0.33	1.57	0.17	0.52	.5	6	0		"
336	1-20	1340 1350	"	2.5	0.46	1.46	0.20	0.67	.5	6	0		FC36
337	1-27	0730 0735	"	2.5	0.32	1.75	0.18	0.56	.5	6	0		"
338	2-3	1520 1530	"	2.0	0.35	1.31	0.17	0.46	.5	5	0		"
339	2-10	1515 1525	"	1.7	0.32	1.75	0.17	0.56	.5	5	0		FC50
340	2-17	1340 1345	"	1.7	0.26	1.76	0.17	0.46	.5	6	0		"
341	2-24	0850 0900	"	2.2	0.41	1.10	0.16	0.45	.5	7	0		"
342	3-3	1510 1515	"	2.2	0.40	1.30	0.16	0.52	.5	6	0		"
343	3-9	0920 0930	"	2.1	0.38	1.18	0.16	0.45	.5	6	0		"
344	3-17	0751 0758	"	2.3	0.42	1.24	0.18	0.52	.5	6	0		"
345	3-24	0715 0719	"	2.5	0.34	1.29	0.16	0.44	.5	6	0		"
346	3-30	1400 1405	"	2.2	0.36	1.00	0.18	0.36	.5	6	0		"
347	4-7	0715 0725	"	1.5	0.29	1.14	0.17	0.33	.5	5	0		"
348	4-14	0725 0730	"	1.2	0.14	1.86	0.16	0.26	.5	5	0		"
349	4-20	0915 0920	"	0.6	0.05	1.00	0.18	0.05	.5	4	0		"
350	4-28	1410 1415	"	0.6	0.04	1.00	0.15	0.04	.5	4	0		"
351	5-4	1215 1220	"	0.7	0.11	0.91	0.07	0.10	.5	4	0		"
352	5-11	0733 0738	"	1.0	0.10	1.00	0.08	0.10	.5	5	0		"
353	5-19	1430 1435	"	0.7	0.12	1.42	0.08	0.17	.5	4	0		"
354	5-26	1300 1305	"	0.7	0.09	0.89	0.09	0.08	.5	4	0		"
355	6-1	1145 1150	"	0.7	0.12	0.67	0.08	0.09	.5	4	0		"
356	6-9	0910 0914	WHISLER	0.8	0.04	1.00	0.07	0.04	.5	5	0		"
357	6-16	0830 0835	"	1.0	0.10	0.60	0.07	0.06	.5	4	0		FC49
358	7-15	1550 1600	STUNDEN	2.5	0.45	2.00	0.17	0.90	.5	6	0		FC36
359	7-17	1230 1240	"	2.0	0.41	2.10	0.18	0.86	.5	5	0		"
360	7-21	1525 1530	"	1.3	0.20	1.20	0.10	0.24	.5	5	0		"
361	7-28	1242 1248	SADDORIS-STUNDEN	1.2	0.15	1.07	0.09	0.16	.5	7	0		FC50
362	8-3	1015 1025	WHISLER	1.4	0.17	0.82	0.09	0.14	.5	6	0		"
363	8-11	0925 0932	"	1.5	0.17	0.88	0.08	0.15	.5	6	0		"
364	8-18	0850 0855	STUNDEN	0.9	0.10	1.40	0.09	0.14	.5	4	0		"
365	8-25	1415 1420	"	1.4	0.14	0.79	0.08	0.11	.5	6	0		"
366	9-7	0820 0825	"	1.0	0.10	1.00	0.08	0.10	.5	5	0		"

FORM Cb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F277-R

Daily discharge, in second-feet of ARROYO SECO below Devil's Gate Dam for the year ending September 30, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0.7	0.6	1.2	1.1	0.5	1.0	b	0
2	0	0	0	0	0.6	0.6	1.1	1.1	0.4	1.2	+	0
3	0	0	0	+	0.5	0.6	1.1	0.9	0.4	1.4	+	0
4	0	0	0	+	0.4	0.6	1.1	0.9	0.4	1.6	+	0
5	0	0	0	+	0.5	0.7	1.1	0.9	0.4	1.5	+	0
6	0	0	0	+	0.5	0.7	1.1	0.9	0.4	1.4	+	0
7	0	0	0	+	0.5	0.7	1.2	0.9	0.4	1.6	+	0
8	0	0	0	+	0.4	0.7	1.1	0.9	0.3	1.6	+	0
9	0	0	0	+	0.5	0.8	1.1	0.9	0.3	1.6	+	0
10	0	0	0	+	0.6	0.9	1.1	0.9	0.3	1.4	+	0
11	0	0	0	+	0.6	0.9	1.1	1.0	0.3	1.4	+	0
12	0	0	0	+	0.6	0.9	1.1	1.0	0.3	1.4	+	0
13	0	0	0	+	1.9	0.9	1.2	1.0	0.3	1.2	+	0
14	0	0	0	+	1.6	0.9	1.2	1.0	0.3	1.2	+	0
15	0	0	0	b 0.1	1.1	0.9	1.3	1.0	0.2	1.2	+	0
16	0	0	0	0.1	0.9	1.0	1.3	0.9	0.2	1.2	+	0
17	0	0	0	0.1	0.8	1.0	1.3	0.9	0.2	1.2	+	0
18	0	0	0	0.1	0.8	1.0	1.3	0.8	0.2	1.2	+	0
19	0	0	0	0.1	0.7	1.1	1.3	0.8	0.2	1.2	+	0
20	0	0	0	0.1	0.7	1.2	1.3	0.8	0.2	1.0	+	0
21	0	0	0	0.1	0.7	1.2	1.3	0.8	0.2	0.8	+	0
22	0	0	0	0.1	0.6	1.0	1.3	0.7	0.2	0.2	+	0
23	0	0	0	0.1	0.6	1.1	1.2	0.7	0.2	0.2	+	0
24	0	0	0	b	0.5	1.2	1.2	0.6	0.2	0.2	+	0
25	0	0	0	7.0	0.6	0.8	1.2	0.5	0.2	0.2	+	0
26	0	0	0	5.8	0.7	0.8	1.1	0.5	0.2	0.2	+	0
27	0	0	0	16.8	0.7	0.8	1.1	0.5	0.2	0.1	+	0
28	0	0	0	0.8	0.6	0.8	1.1	0.5	0.2	0.1	+	0
29	0	0	0	0.8	0.6	0.8	1.1	0.5	0.2	0.1	+	0
30	0	0	0	0.8	0.6	1.0	1.1	0.5	0.2	0.1	+	0
31	0	0	0	0.7	0.6	1.2	1.1	0.5	0.2	0.1	+	0
	0	0	0	148.8	19.9	48.2	35.3	24.9	8.3	28.4	0	0

MEAN	0	0	0	4.80	0.71	1.55	1.18	0.80	0.28	0.92	+	0	
ACRE-FOOT	0	0	0	295.	39.	96.	70.	49.	16.	56.	+	0	
Remarks:	+ = 0.05 cfs or less										YEAR OR PERIOD	MEAN	0.86
											ACRE-FOOT	621.	

FORM Cb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. P277-R

Daily discharge, in second-feet of ARROYO SECO below Devil's Gate Dam for the year ending September 30, 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0.2	0.4	0.8	0.6	0.4	0.2	0.1	+	0.2	0.1
2	0	0	0.1	0.3	0.7	0.6	0.4	0.1	0.2	0.2	0.2	0.1
3	0	0	0.2	0.2	0.7	0.5	0.3	0.1	0.1	0.2	0.2	0.1
4	0	0	0.7	0.2	0.7	0.7	0.3	0.1	0.1	0.2	0.2	0.1
5	0	0	0.6	0.2	0.7	0.7	0.3	0.1	0.1	0.2	0.2	0.1
6	0	0	0.6	0.3	0.8	0.7	0.3	0.1	0.1	0.2	0.2	0.1
7	0	0	0.6	0.3	0.8	0.6	0.3	0.3	+	0.2	0.2	0.1
8	0	0	0.6	0.3	0.8	0.6	0.3	0.1	0.1	0.2	0.2	0.1
9	0	0	0.6	0.3	0.8	0.6	0.3	0.1	0.1	0.2	0.2	0.1
10	0	0	0.7	1.3	0.7	0.8	0.3	0.1	0.1	0.2	0.2	0.1
11	0	0	0.7	0.8	0.7	0.6	0.5	0.1	0.1	0.2	0.1	0.2
12	0	0.3	0.7	0.7	0.7	0.6	0.2	0.1	0.1	0.2	0.1	0.2
13	0	0.2	0.7	0.7	0.8	0.5	0.2	0.2	0.2	0.1	0.1	0.2
14	0	0.2	0.7	0.7	0.9	0.5	0.2	0.2	0.2	0.1	0.1	+
15	0	0.2	0.7	0.7	0.7	0.5	0.2	0.2	0.1	0.5	0.1	+
16	0	0.2	0.7	0.8	0.8	0.5	0.2	0.2	0.1	0.9	0.1	0
17	0	0.2	0.7	0.7	0.6	0.5	0.1	0.2	0.1	0.9	0.1	0
18	0	0.4	0.5	1.7	0.5	0.4	0.1	0.2	0.1	0.9	0.1	0
19	0	1.5	0.3	0.7	0.4	0.4	0.1	0.2	0.1	0.9	0.1	0
20	0	1.3	0.2	0.7	0.4	0.4	+	0.2	0.1	0.6	0.1	0
21	0	1.0	0.2	0.7	0.4	0.5	0.2	0.2	0.1	0.3	0.1	0
22	0	1.2	0.1	0.7	0.4	0.5	0.1	0.2	0.1	0.2	0.1	0
23	0	0.8	0.1	0.7	0.4	0.5	0.1	0.2	0.1	0.2	0.1	0
24	0	0.1	0.1	0.7	0.4	0.5	0.1	0.1	0.1	0.2	0.1	0
25	0	0.2	0.1	0.7	0.4	0.4	0.1	0.1	0.1	0.2	0.1	0
26	0	0.4	0.2	0.7	0.6	0.4	0.1	0.1	0.1	0.2	0.1	0
27	0	0.2	0.2	0.6	0.6	0.4	+	0.1	0.1	0.2	0.1	0
28	0	0.2	0.2	0.5	0.6	0.4	0.1	0.1	0.1	0.2	0.1	0
29	0	0.2	0.2	0.5	0.3	0.3	+	0.1	0.1	0.2	0.1	0
30	0	0.2	0.2	0.5	0.3	0.3	0.8	0.1	0.1	0.2	0.1	0
31	0	0.2	0.2	0.7	0.4	0.4	0.1	0.1	0.1	0.2	0.1	0
	0	9.0	12.6	19.0	17.8	15.9	6.0	4.5	1.1	6.8	4.1	1.7

MEAN	0	0.30	0.41	0.61	0.64	0.51	0.20	0.15	0.04	0.22	0.13	0.06	
ACRE-FOOT	0	18.	25.	38.	35.	32.	12.	8.9	2.2	13.	8.1	3.4	
Remarks:	+ = 0.05 CFS OR LESS.										YEAR OR PERIOD	MEAN	0.27
											ACRE-FOOT	196.	





DISCHARGE MEASUREMENTS OF BALLONA CREEK

AT CURSON AVENUE DURING THE YEAR ENDING SEPTEMBER 30, 1955

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INS	METH. NO.	MEAN REC. NO.	R. HT. CHANGE TOTAL	METER NO.
102	10-7	0809 0815	MOON	38.2	7.08	0.58	0.17	4.1	.5	11	0	0	FC4B
103	10-14	0820 0834	"	38.2	5.94	0.59	0.17	3.5	.5	11	0	0	"
104	10-21	0730 0745	"	38.2	5.06	0.59	0.15	3.0	.5	11	0	0	"
105	10-28	0745 0800	"	38.2	5.13	0.68	0.14	3.5	.5	12	0	0	"
106	11-4	0810 0815	"	38.2	4.95	0.53	0.16	2.6	.5	12	0	0	"
107	11-10	0735 0750	"	38.2	5.15	0.64	0.20	3.3	.5	12	0	0	"
108	11-18	0730 0745	"	38.2	3.78	0.61	0.16	2.3	.5	12	0	0	"
109	11-24	0730 0745	"	38.2	4.11	0.54	0.14	2.2	.5	12	0	0	"
110	12-2	0745 0800	"	38.2	4.41	0.63	0.16	2.8	.5	12	0	0	"
111	12-9	0755 0805	"	38.2	3.70	0.70	0.15	2.6	.5	10	0	0	"
112	12-16	0815 0828	"	38.2	4.05	0.59	0.17	2.4	.5	11	0	0	"
113	12-23	0827 0840	"	36.0	4.45	0.67	0.17	3.0	.5	11	0	0	"
114	1-7	1005 1020	"	38.2	5.40	0.78	0.17	4.2	.5	12	0	0	"
115	1-13	1428 1440	"	38.2	8.57	1.40	0.22	12.0	.5	12	0	0	"
116	1-20	1105 1120	"	38.2	6.31	0.89	0.17	5.6	.5	12	0	0	"
117	1-27	0825 0840	"	38.2	4.25	0.66	0.17	2.8	.5	12	0	0	"
118	2-3	0735 0747	"	38.2	4.29	0.65	0.18	2.8	.5	12	0	0	"
119	2-9	0847 0900	"	36.0	4.16	0.67	0.19	2.8	.5	11	0	0	"
120	2-24	1340 1350	"	27.0	4.56	1.10	0.21	5.0	.5	9	0	0	"
121	3-2	1005 1025	"	32.0	5.24	0.86	0.19	4.6	.5	9	0	0	"
122	3-17	0740 0755	"	38.2	5.30	0.81	0.20	4.3	.5	11	0	0	"
123	3-30	0830 0840	"	20.0	4.32	1.04	0.25	4.5	.5	6	0	0	"

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INS	METH. NO.	MEAN REC. NO.	R. HT. CHANGE TOTAL	METER NO.
124	4-30	1912 1932	HYDE-OCAMPO	38.5	27.4	3.83	0.65	105.	.6	14	- .10	0	FC
125	5-7	1035 1045	GODFREY-DE MARS	39.0	19.1	3.21	0.46	63.1	.5	11	- .08	0	FC
126	5-19	0853 0902	WHISLER	38.3	4.89	0.78	0.22	3.8	.5	11	0	0	FC
127	7-14	0835 0850	HYDE	38.0	6.78	0.69	0.22	4.7	FLOATS	12	0	0	
128	7-21	0810 0830	"	38.0	6.41	0.64	0.20	4.1	"	12	0	0	
129	7-28	1040 1045	MOON	38.0	4.45	0.81	0.19	3.6	.5	11	0	0	FC
130	8-4	1016 1026	"	38.0	22.6	1.38	0.51	31.2	SURF	10	- .08	0	FC
131	8-11	0830 0844	HYDE	38.0	7.02	0.87	0.25	6.1	FLOATS	12	0	0	
132	8-18	0848 0800	"	38.0	5.71	0.84	0.23	4.8	"	12	+ .01	0	
133	8-25	0830 0846	"	38.0	5.63	0.82	0.18	4.6	"	12	0	0	
134	9-1	0928 0938	DE MARS-HYDE	38.0	6.13	0.88	0.21	5.4	"	12	0	0	
135	9-8	0847 0900	DE MARS	37.0	6.15	0.99	0.19	6.1	"	12	0	0	
136	9-15	0835 0845	DE MARS-HOLLERON	37.6	6.50	0.94	0.21	6.1	"	13	0	0	
137	9-21	1105 1120	DE MARS	37.4	7.21	0.92	0.22	6.7	FLOATS	14	0	0	

7071M C-6 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F299-R

Daily discharge, in second-feet of BALLONA CREEK at Curson Avenue for the year ending September 30, 1954

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	5.4	1.8	3.6	2.7	3.4	3.6	3.6	4.5	3.6	4.5	12.3	4.5
2	10.7	2.7	3.6	4.5	3.4	3.6	3.6	4.5	3.6	7.6	10.3	5.4
3	8.2	1.8	4.5	3.6	3.4	3.6	3.6	3.6	3.6	5.4	10.4	7.3
4	7.3	1.8	14.4	3.6	3.6	4.8	3.6	3.6	3.6	5.4	9.6	4.5
5	8.2	9.8	4.5	3.6	3.6	4.5	3.6	3.6	3.6	6.4	8.1	4.5
6	8.2	4.5	3.6	3.6	3.6	3.6	3.6	5.6	3.6	7.3	4.5	4.5
7	7.3	5.4	3.6	3.6	3.6	4.5	3.6	4.5	3.6	7.6	4.5	7.3
8	6.9	3.6	4.5	3.6	3.6	3.6	3.6	5.4	3.6	5.4	3.6	3.6
9	4.5	3.6	3.6	3.6	3.6	3.6	3.6	6.4	3.6	6.4	3.6	6.4
10	3.6	4.5	4.5	3.6	3.6	3.6	3.6	6.4	3.6	6.4	3.6	6.4
11	4.5	4.5	5.4	12.2	3.6	4.8	3.6	8.2	3.6	5.4	7.0	5.4
12	4.5	4.5	3.6	12.9	3.6	3.6	3.6	7.3	3.6	4.5	4.5	5.4
13	6.9	7.3	3.6	2.7	6.9	3.6	4.3	7.3	7.8	4.5	4.5	8.2
14	5.4	13.9	3.6	2.7	4.7	3.6	3.6	4.5	5.4	5.8	3.6	3.6
15	4.5	5.4	5.4	3.6	7.3	4.5	3.6	5.4	4.5	3.6	3.6	7.3
16	8.4	5.4	4.5	3.6	12.8	11.3	4.5	3.6	4.5	5.4	3.6	6.4
17	5.4	4.5	5.4	8.5	14.1	2.6	5.1	3.6	4.5	4.5	5.4	7.3
18	3.6	3.6	5.4	7.8	14.7	2.7	4.5	3.6	6.4	5.4	3.6	7.3
19	5.7	2.7	4.5	38.0	5.4	5.9	5.2	3.6	3.6	5.4	4.5	6.4
20	4.5	4.5	3.6	2.6	5.4	1.74	3.6	4.5	3.6	7.3	6.9	6.4
21	4.5	5.4	2.7	6.4	4.5	3.1	3.6	3.6	4.5	8.8	3.6	5.4
22	6.7	4.5	2.7	6.4	4.5	5.3	3.6	3.6	3.6	5.4	5.1	4.5
23	4.5	4.5	2.7	6.4	3.6	3.6	3.6	3.6	3.6	7.3	3.6	3.6
24	4.5	3.6	2.7	20.1	3.6	4.6	4.5	3.6	5.3	6.4	3.6	3.6
25	5.7	3.6	2.7	7.6	4.5	3.6	3.6	3.6	4.5	6.4	5.8	2.7
26	4.5	3.6	3.6	5.4	4.5	3.6	2.7	3.6	4.5	8.5	3.6	2.7
27	7.3	4.5	2.7	3.3	5.4	3.6	3.6	3.6	3.6	6.4	7.9	2.7
28	4.5	4.5	2.7	3.3	4.5	4.5	14.7	3.6	4.5	7.8	4.5	3.6
29	5.4	3.6	2.7	3.3		15.4	4.5	3.6	5.6	9.3	3.6	3.6
30	3.6	2.7	2.7	3.3		6.1	4.5	3.6	3.6	9.5	8.2	4.5
31	1.8		2.7	3.4		3.6		3.6		9.9	5.4	

176.6 312.3 128.0 1000.5 873.4 748.2 126.5 138.4 127.7 199.9 172.6 154.0

MEAN	5.70	10.4	4.13	32.3	31.2	24.1	4.22	4.46	4.26	6.45	5.57	5.13
ACRE- FEET	350.	619.	254.	1980.	1730.	1480.	251.	275.	253.	396.	342.	305.

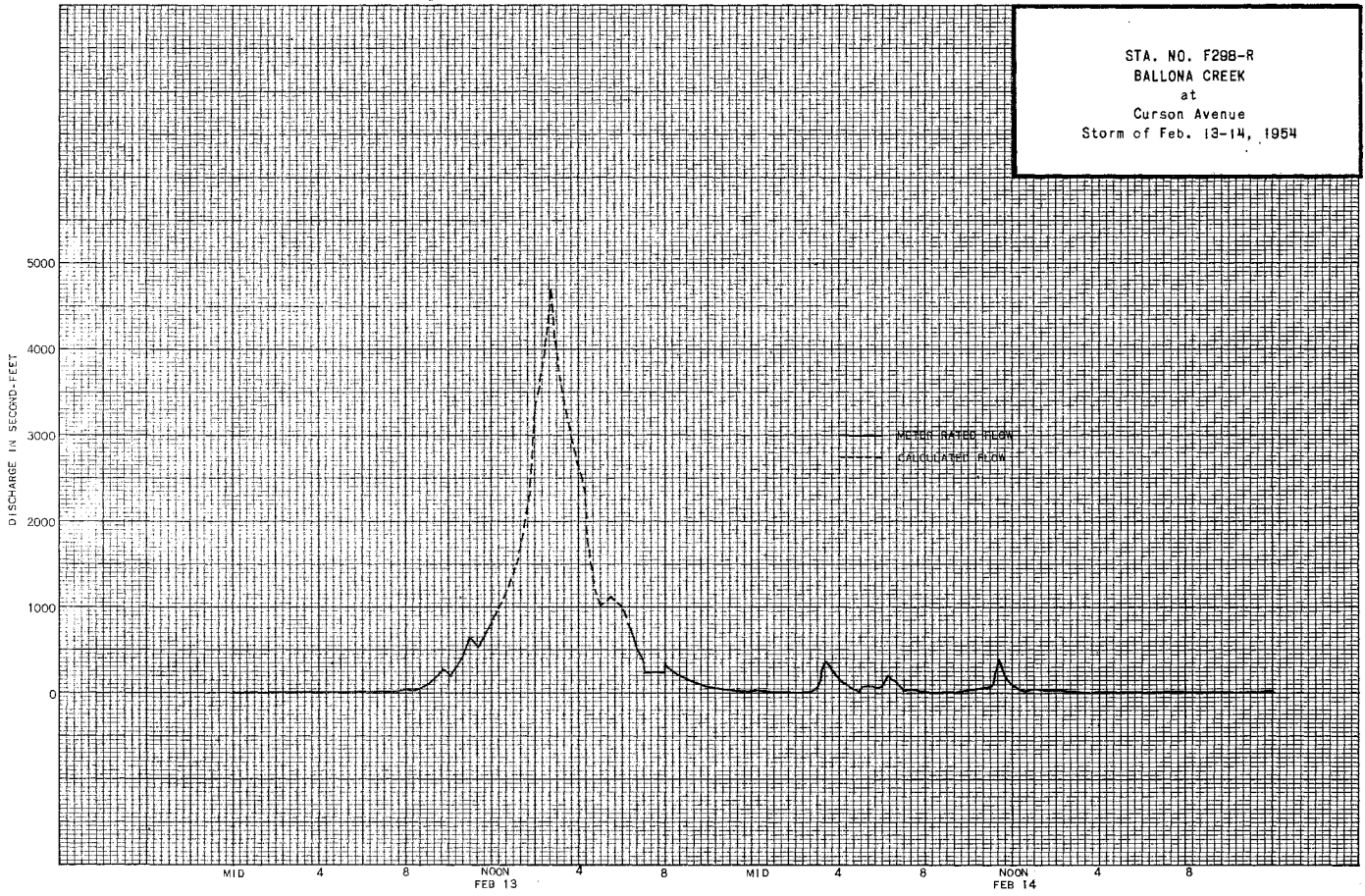
Remarks: YEAR OR PERIOD MEAN 11.4 ACRES- FEET 8240.

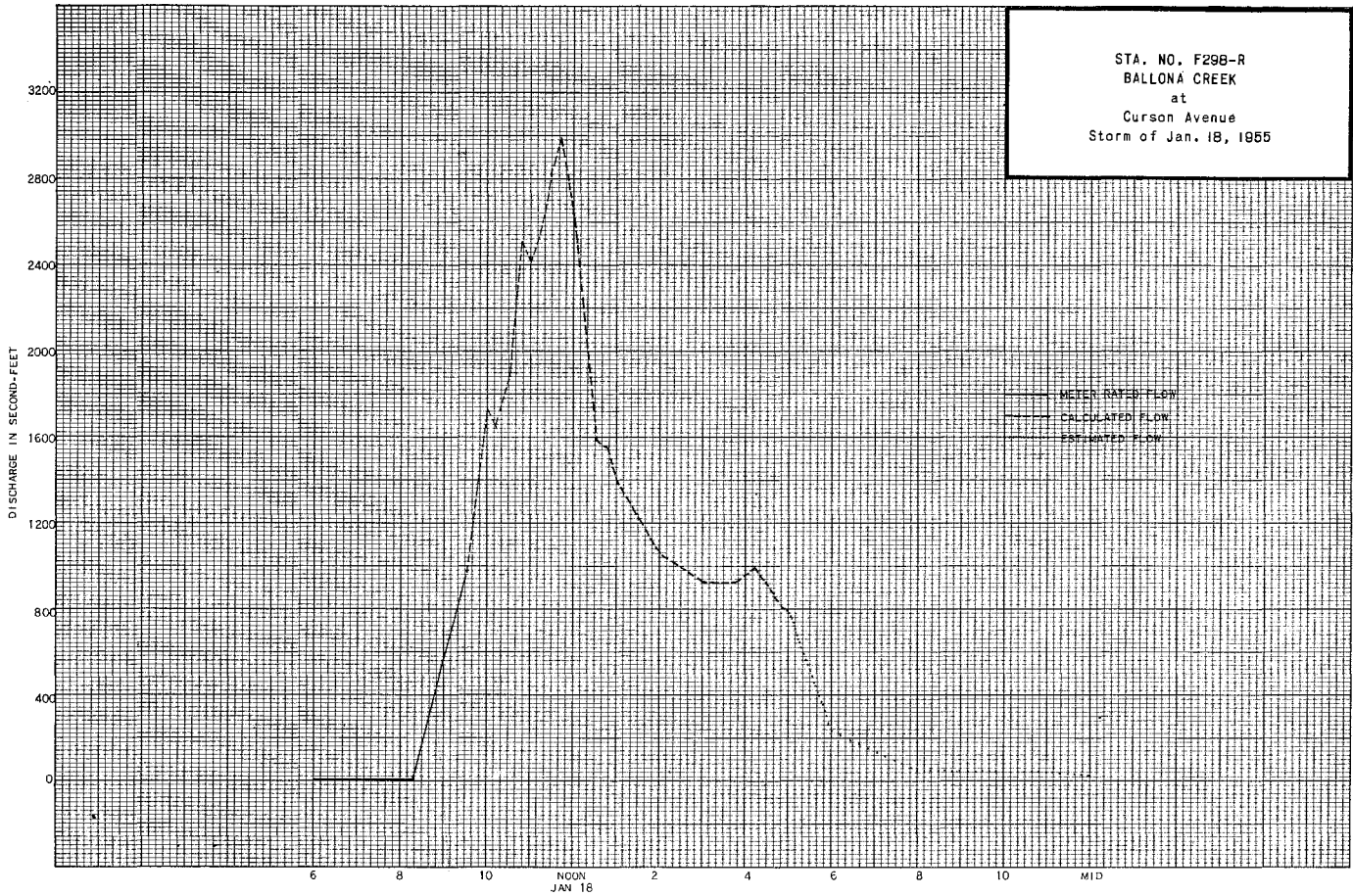
LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Daily discharge, in second-feet of BALLONA CREEK at Curson Avenue for the year ending September 30, 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5.4	5.6	2.7	173	b	4.5	b	6.0	7.9	5.4	6.4	7.3
2	6.8	3.6	2.7	5.4	3.6	b	6.6	6.4	4.5	6.4	6.4	9.2
3	4.5	3.6	9.3	5.4	2.8	4.5	7.3	4.1	4.5	7.3	4.5	8.2
4	6.4	7.0	3.6	4.5	2.8	4.6	7.3	3.8	4.5	4.5	8.4	7.3
5	6.4	2.7	3.6	4.5	2.8	6.6	9.2	3.5	4.5	5.4	6.4	9.2
6	6.4	2.7	3.6	12.5	3.6	4.6	5.4	3.5	7.3	6.4	6.4	9.2
7	7.8	2.7	3.6	4.5	2.8	4.6	5.4	13.2	4.3	7.3	4.5	6.4
8	3.6	4.5	2.7	4.5	2.8	4.5	7.3	4.1	4.5	4.5	6.4	7.3
9	4.5	4.5	11.9	5.4	2.8	b	4.5	4.1	5.4	4.5	5.4	9.2
10	6.3	3.8	10.0	26.0	2.8	b	11.9	3.9	6.4	6.4	7.3	7.3
11	4.5	19.1	6.4	9.2	2.8	b	2.7	3.7	4.5	4.5	7.3	8.2
12	4.5	9.4	5.4	9.2	2.8	b	4.5	3.5	4.5	6.4	8.2	8.2
13	4.5	4.5	3.6	10.0	2.8	4.4	6.4	3.5	5.4	5.4	8.2	7.3
14	6.1	4.5	4.5	10.0	4.9	4.3	5.4	3.6	6.4	5.4	8.2	7.3
15	3.6	6.3	3.6	8.2	b	2.8	6.3	3.6	8.2	6.4	5.4	8.2
16	4.5	3.9	2.7	16.2	4.4	4.3	5.4	3.7	5.4	6.4	4.5	8.2
17	5.3	3.6	1.8	8.2	6.5	4.3	5.4	3.7	6.4	4.5	4.5	8.2
18	2.7	3.6	1.8	53.9	b	5.4	6.3	4.5	5.4	6.4	5.4	7.3
19	2.7	4.5	3.6	2.8	2.8	4.3	4.5	3.8	3.6	5.4	5.4	7.3
20	4.3	4.5	2.7	b	5.6	3.7	4.3	4.5	4.5	5.4	4.5	7.3
21	2.7	4.5	2.7	5.2	2.8	5.4	7.5	3.6	3.6	7.3	5.4	7.3
22	4.5	3.6	2.7	7.3	2.8	8.0	1.32	3.6	6.4	5.4	5.4	6.4
23	8.6	3.6	4.1	4.7	4.7	4.5	b	4.5	4.5	5.4	6.4	7.3
24	2.7	2.7	2.7	4.2	5.0	4.5	b	4.5	4.5	4.5	4.5	8.2
25	2.7	4.5	2.7	3.7	5.0	5.4	b	4.5	4.0	4.5	5.4	4.5
26	5.9	3.6	2.7	3.2	4.7	7.5	4.7	4.0	5.4	5.4	7.3	7.3
27	3.6	3.6	3.6	2.8	5.0	5.4	b	4.5	4.0	4.5	6.4	7.3
28	3.6	4.5	6.0	3.6	4.6	7.5	b	4.5	6.4	4.5	6.4	7.3
29	6.4	4.5	4.5	b	2.8	5.4	b	4.5	4.0	6.4	8.2	8.2
30	3.6	5.9	5.4	11.0	5.0	7.3	1.82	4.0	5.4	3.6	5.4	7.3
31	4.5		6.4	5.0	b	7.3		4.5		3.6	6.4	6.4

	149.6	350.8	324.1	1571.1	246.2	304.8	585.2	326.3	159.2	170.4	189.0	227.3
MEAN	4.83	11.7	10.4	50.7	8.79	9.83	19.5	10.5	5.31	5.50	6.10	7.88
AVG. PER	297.	696.	43.	3120.	488.	605.	1160.	647.	316.	338.	375.	451.
Remarks:										YEAR OR PERIOD	MEAN	12.6
										ACR-FEET		9140.





**STATION F38B-R**  
 BALLONA CREEK at Sawtelle Boulevard

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

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

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

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

**RECORDER:** INSTALLED AT STATION F38-R FEBRUARY 27, 1928. RECORDER REMOVED APRIL 27, 1936. INSTALLED AT STATION F38B-R MAY 14, 1936 OVER AN 18-INCH DIAMETER CORRUGATED IRON PIPE STILLING WELL. A STEVENS A-35 RECORDER WAS IN SERVICE FROM OCTOBER 1, 1953 TO SEPTEMBER 30, 1955.

**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, 1955.

**EXTREMES OF DISCHARGE:**

- 1953-54
- MAXIMUM 18900 SECOND-FEET, FEBRUARY 13.
- MINIMUM 3.5 SECOND-FEET, NOVEMBER 6.
- 1954-55
- MAXIMUM 9370 SECOND-FEET, JANUARY 18.
- MINIMUM 5.4 SECOND-FEET, SEPTEMBER 25.
- 1928-55 (STATIONS F38-R AND F38B-R)
- MAXIMUM 19000 SECOND-FEET, MARCH 2, 1936. (1712 CFS PER SQUARE MILE).
- MAXIMUM 18900 SECOND-FEET FEBRUARY 13, 1954 (2133 CFS PER SQUARE MILE).
- MINIMUM NO FLOW AT VARIOUS TIMES.

**ACCURACY:** GOOD.

**OPERATION:** LOCATED AND CONSTRUCTED BY THE LOS ANGELES COUNTY FLOOD 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 Sawtelle Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 1954

NO.	DATE	BEGR. END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE CFS	RAT. INCH	METH. CODE	MEAS. NO.	S. M. CHANGE TOTAL	METER NO.
2252	10-1	0930	BOLLINGER	27.0	14.3	0.95	2.08	13.6	.6	20	+0.4	FC-6	
2253	10-8	0850	"	10.0	7.91	0.89	1.95	7.0	.6	11	0	"	
2254	10-15	0940	MOON	14.2	8.28	0.69	1.94	5.7	.6	10	0	FC48	
2255	10-22	0920	"	18.0	10.7	0.80	1.99	8.5	.6	11	0	FC29	
2256	10-29	0850	"	17.5	12.2	0.64	2.05	7.8	.6	11	0	"	
2257	11-5	0945	"	17.5	18.0	1.32	2.25	23.8	.6	11	0	"	
2258	11-12	1020	"	12.0	8.64	0.81	2.03	7.0	.6	12	0	"	
2259	11-19	1007	"	15.2	5.60	1.12	1.90	6.3	.6	11	0	"	
2260	11-25	1010	"	14.8	6.58	1.07	1.89	6.8	.6	11	0	"	
2261	12-3	0940	"	8.7	6.61	0.89	1.88	5.9	.6	11	0	"	
2262	12-10	0955	"	9.0	6.69	1.05	1.92	7.0	.6	11	0	"	
2263	12-17	1003	"	14.5	6.06	0.78	1.86	4.7	.6	10	0	"	
2264	12-23	0920	"	15.0	5.89	0.78	1.86	4.6	.5	11	0	"	
2265	12-31	0952	"	15.0	6.36	0.80	1.88	5.1	.6	12	0	"	
2266	1-7	1005	"	15.0	7.16	0.92	1.90	6.6	.6	11	0	"	
2267	1-13	0950	"	18.0	7.25	1.05	1.93	7.6	.5	13	0	"	
2268	1-14	1005	"	18.0	7.15	0.98	1.91	7.0	.5	13	0	"	
2269	1-18	1100	"	17.5	22.7	1.58	2.28	35.8	.6	10	0	"	
2270	1-20	1050	"	21.5	20.5	1.25	2.36	25.4	.6	10	0	"	
2271	1-21	0925	"	19.5	12.8	0.70	2.17	9.0	.6	12	0	"	
2272	1-24	1115	HYDE-OCAMPO	78.0	177.	3.45	4.86	611.	.6	11	+5.3	FC35	
2273	1-24	1233	"	97.0	405.	6.84	7.54	2770.	.6	12	-1.8	"	
2274	1-25	1300	"	95.0	419.	5.44	7.27	2280.	.6	12	-1.10	"	
2275	1-26	0118	MOON-HYDE	21.0	17.9	0.64	2.37	11.4	.6	15	0	FC29	
2276	1-28	0200	MOON	16.0	7.81	1.01	2.30	7.9	.5	14	0	FC29	
2277	2-5	0820	"	16.0	7.80	0.78	2.25	6.1	.6	11	0	"	
2278	2-11	0817	MOON-SPELLMAN	15.5	7.58	0.80	2.25	6.1	.5	11	0	"	
2279	2-13	1415	"	14.0	1300.	14.0	14.96	18,250.	.6	9	+5.0 -1.0	"	
2280	2-15	0940	"	27.0	17.0	0.91	2.50	15.5	.5	15	0	"	
2281	2-18	0930	MOON	21.5	17.6	1.07	2.48	18.8	.6	14	0	"	
2282	2-25	0830	"	17.5	6.27	1.31	2.31	8.2	.6	12	0	"	
2283	3-4	0848	"	16.5	5.58	1.20	2.26	6.7	.6	11	0	"	
2284	3-11	0855	"	16.0	5.65	1.06	2.35	6.0	.6	11	0	"	
2285	3-18	0900	"										
2286	3-21	0904	MOON-SPELLMAN	32.0	37.7	1.54	2.74	58.0	.6	13	-0.3	"	
2287	3-22	1458	"	31.0	47.2	1.51	2.83	71.4	.8	12	-0.4	"	
2288	3-24	1608	"	22.0	25.1	1.06	2.53	26.6	.6	13	0	"	
2289	3-30	1015	SPELLMAN	27.5	32.0	1.01	2.47	32.2	.6	15	-0.3	"	
2290	4-1	0850	MOON	16.3	9.11	1.03	2.18	9.4	.6	11	0	"	
2291	4-8	0832	"	18.0	5.23	1.05	2.12	5.5	.6	13	0	"	
2292	4-15	0845	"	18.5	7.10	1.17	2.20	6.3	.6	16	0	"	
2293	4-22	0905	"	18.5	6.12	1.04	2.12	6.4	.5	20	0	"	
2294	4-29	0750	"	22.0	7.88	0.96	2.12	7.6	.5	14	0	"	
2295	5-6	0908	HYDE	31.0	26.4	0.48	2.25	12.8	.6	17	0	FC35	
2296	5-13	0910	MOON										
2297	5-20	1058	HYDE	20.0	8.63	0.89	2.14	7.7	.6	13	0	FC35	

NO.	DATE	BEGR. END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE CFS	RAT. INCH	METH. CODE	MEAS. NO.	S. M. CHANGE TOTAL	METER NO.
2298	5-27	0907	HYDE-BRILL	19.0	9.33	0.84	2.18	7.8	.5	12	0	"	
2299	6-3	0920	MOON-LINDSAY	20.0	8.50	1.13	2.28	9.6	.6	23	0	FC48	
2300	6-10	0905	MOON	18.7	7.10	0.92	2.35	6.5	.5	18	0	FC29	
2301	6-16	0845	"										
2302	6-23	0855	"										
2303	6-30	0900	"										
2304	7-7	0825	"										
2305	7-15	0920	"										
2306	7-22	0835	"										
2307	7-29	1020	"	12.0	14.9	1.07	2.34	15.9	.6	8	-0.2	"	
2308	8-5	1003	"	11.0	12.6	0.81	2.24	10.2	.6	8	+0.3	FC48	
2309	8-12	0914	"	11.5	12.2	0.49	2.14	6.0	.6	13	0	FC29	
2310	8-19	1005	"	18.0	7.50	1.16	2.22	8.8	.5	16	0	FC48	
2311	8-26	0915	"	11.2	11.6	0.61	2.18	7.1	.6	13	0	"	
2312	9-2	1540	"	12.0	13.4	0.97	2.32	13.0	.6	13	0	"	
2313	9-6	1003	"	11.2	11.4	0.51	2.13	5.8	.6	13	0	"	
2314	9-16	0825	"	11.2	11.8	0.58	2.16	6.9	.6	13	0	"	
2315	9-23	0922	"	11.2	11.5	0.55	2.13	6.3	.6	13	0	"	
2316	9-30	0740	"	11.5	11.7	0.50	2.11	5.9	.6	13	0	"	

DISCHARGE MEASUREMENTS OF BALLONA CREEK

AT Sawtelle Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 1955

NO.	DATE	BEGR. END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE CFS	RAT. INCH	METH. CODE	MEAS. NO.	S. M. CHANGE TOTAL	METER NO.
2317	10-7	0935	MOON	11.5	10.6	0.58	2.13	6.2	.6	13	0	FC48	
2318	10-14	0810	"	12.0	12.0	0.52	2.12	6.2	.6	13	0	"	
2319	10-21	0900	"	11.0	11.4	0.51	2.14	5.8	.6	13	0	"	
2320	10-28	0930	"	12.0	11.8	0.48	2.11	5.7	.6	13	0	"	
2321	11-4	0855	"	11.0	9.16	0.58	2.12	5.3	.6	12	0	"	
2322	11-10	0912	"	11.0	10.2	0.55	2.12	5.6	.6	12	0	"	
2323	11-12	1485	"	17.0	12.8	1.30	2.22	16.7	.6	10	0	FC29	
2324	11-18	0845	"	18.0	5.69	1.02	2.06	5.8	.5	11	0	FC48	
2325	11-24	0855	"	20.0	5.6	1.05	2.07	5.9	.5	12	0	"	
2326	12-2	0925	"	21.0	6.14	1.17	2.09	7.2	.5	12	0	"	
2327	12-9	0900	"	20.0	6.27	0.99	2.13	6.2	.5	12	0	"	
2328	12-16	0845	"	18.0	7.14	0.74	2.20	5.3	.6	13	0	"	
2329	12-23	0940	"	18.2	7.22	0.97	2.22	7.0	.6	12	0	"	
2330	12-30	0935	"	18.2	7.40	0.81	2.19	6.0	.5	13	0	"	
2331	1-7	0854	"	17.0	12.9	0.61	2.24	7.9	.6	11	0	FC29	
2332	1-10	1125	"	39.0	44.0	2.09	3.00	92.2	.6	16	-0.5	"	
2333	1-13	1330	"	29.0	10.0	1.13	2.32	11.3	.5	16	0	FC48	
2334	1-19	0955	SPELLMAN-MOON	21.5	23.1	1.42	2.60	32.8	.6	13	0	FC29	
2335	1-27	1000	MOON	19.0	7.06	1.13	2.27	8.0	.5	11	0	FC48	
2336	1-31	1015	"	25.0	18.9	1.46	2.78	27.6	.6	14	0	FC29	
2337	2-3	0850	"	18.5	7.66	1.19	2.54	9.1	.5	11	0	FC48	
2338	2-10	0834	"	15.5	5.22	1.51	2.55	7.9	.5	10	0	"	

NO.	DATE	RESIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	RAISE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	NETH. CO.	MEAN. SEC. NO.	S. HT. CHANGE TOTAL	METER NO.
2339	2-17	0848 1035	"	29.0	19.3	1.67	2.93	32.3	.6	17	0	FC29	
2340	2-24	1235 1245	"	12.5	4.96	1.59	2.67	7.9	.5	9	0	FC48	
2341	2-28	1000 1025	"		CHANNELS		2.63	8.7	.5	16	0	"	
2342	3-3	0830 0850	"	14.0	4.95	1.48	2.59	7.3	.5	16	0	"	
2343	3-10	0850 0910	"		CHANNELS		2.60	7.0	.5	18	0	"	
2344	3-17	0830 1035	"		"		2.73	8.0	.5	13	0	"	
2345	3-24	1340 0945	"	17.5	6.20	1.19	2.72	7.4	.5	19	0	"	
2346	3-31	1400	"	15.5	6.12	1.21	2.73	7.4	.5	17	0	FC23	
2347	5-7	0858 0915	"		CHANNELS		2.70	7.0	.6	17	0	"	
2348	4-14	0922 0937	"		"		2.70	7.7	.5	16	0	"	
2349	4-21	0835 0850	"	11.5	6.10	1.56	2.72	9.5	.6	11	0	FC29	
2350	4-22	1207 1220	MOON-SPELLMAN	21.0	22.6	1.08	2.89	24.5	.6	12	-.02	"	
2351	4-28	0900 0915	MOON	21.0	7.94	0.87	2.59	6.9	.6	12	0	"	
2352	5-1	1448 1512	HYDE-OCAMPO	79.0	91.0	2.13	3.68	194.	.6	17	-.20	FC35	
2353	5-2	0872 0875	MOON	16.2	9.20	1.87	2.71	17.2	.6	17	+.02	FC29	
2354	5-5	0911 0927	GODFREY-MOON	17.3	8.82	1.53	2.66	13.5	.6	14	+.01	"	
2355	5-7	1525 1545	GODFREY-DE MARS	23.0	26.2	1.05	2.87	27.6	.6	10	-.02	FC28	
2356	5-12	0930 0933	MOON	19.0	6.95	1.01	2.61	7.0	.6	11	0	FC29	
2357	5-19	0935 0945	WHISLER	26.0	8.43	0.81	2.63	6.8	.6	11	0	FC48	
2358	5-26	1004 1019	WHISLER-MOON	19.0	5.96	1.26	2.63	7.5	.5	12	0	"	
2359	6-2	0915 0933	MOON	13.5	5.53	1.12	2.61	6.2	.6	12	0	"	
2360	6-9	0930 0940	"	14.0	5.91	1.28	2.62	7.6	.6	10	0	"	

75014M G6 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F330-R

Daily discharge, in second-feet of DALLONA CREEK at Sawtelle Boulevard, for the year ending September 30, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	11	8.9	9.3	6.4	10	8.1	10	8.5	11	12	12	10
2	11	13	7.7	8.4	10	8.3	10	9.3	11	13	11	11
3	9.7	12	8.5	9.7	8.9	8.1	11	8.9	12	10	11	12
4	9.3	11	31	7.7	10	8.5	8.5	9.3	11	9.3	11	9.3
5	10	2.7	7.3	7.3	8.1	9.3	9.3	11	10	12	11	7.7
6	10	7.3	5.4	8.5	7.3	8.5	8.1	13	9.3	13	9.7	8.1
7	9.7	7.3	7.7	8.9	6.9	6.9	7.3	11	11	11	8.9	11
8	11	5.4	8.1	8.5	8.1	5.9	8.7	9.3	8.5	11	8.1	8.9
9	10	7.3	7.3	7.7	8.5	7.3	7.7	7.7	11	12	8.9	9.7
10	10	8.1	8.5	7.3	7.7	6.9	7.3	8.0	11	11	8.9	11
11	8.5	7.7	7.7	26	7.3	8.1	7.3	8.3	13	11	10	8.9
12	10	7.7	6.4	479	7.3	7.7	9.5	8.6	13	13	9.3	7.3
13	11	10	6.4	10	3570	7.7	10	8.9	15	14	11	8.9
14	8.9	7.14	9.1	9.7	13.9	7.7	9.3	9.3	6.9	15	10	8.5
15	8.5	15	7.3	8.5	17	8.5	10	10	9.3	13	8.9	8.5
16	11	8.9	6.9	6.9	18	3.1	9.7	8.1	11	14	9.3	8.9
17	10	7.7	8.1	8.6	18	9.8	10	9.3	12	13	11	9.3
18	8.1	7.3	7.3	31.3	3.3	1.3	7.3	9.7	15	11	11	8.1
19	11	7.7	6.9	1530	12	11	9.3	9.7	11	13	11	7.3
20	10	9.7	5.9	235	10	6.0	8.1	10	12	13	13	8.9
21	10	7.3	7.7	9.7	8.5	8.3	9.3	8.9	13	14	10	9.3
22	12	6.4	7.7	9.4	8.9	19.6	8.1	8.5	11	13	9.7	8.9
23	11	9.0	7.3	9.5	8.9	2.3	9.3	7.3	11	11	9.7	8.1
24	9.7	7.7	7.7	954	8.1	12.8	9.7	9.2	13	10	9.7	9.3
25	9.3	8.1	6.4	462	9.7	4.4	7.7	9.3	10	10	10	9.3
26	9.7	8.9	8.5	14	8.5	1.5	8.1	11	11	12	8.9	7.3
27	11	9.7	5.9	10	7.7	1.5	10	10	11	11	10	8.5
28	9.3	8.1	8.5	19.7	9.7	4.1	10	10	13	12	8.9	9.3
29	9.3	7.3	8.5	9.3		4.1	9.3	8.5	13	14	8.5	8.9
30	11	8.1	8.5	8.1		3.90	8.9	8.5	11	14	11	7.7
31	10	7.7	7.7	8.1		1.4		9.3	13	13	11	
311.0      983.6      257.2      4230.9      3986.7      2704.1      294.8      288.4      541.0      378.3      512.4      269.9												

MEAN DISCH. SEC. FEET	10.0	32.8	8.30	136.	142.	87.2	9.83	9.30	11.4	12.2	10.1	9.00
Remarks:	617.	1950.	510.	8390.	7910.	5360.	585.	572.	676.	750.	620.	535.

YEAR MEAN 39.3  
OR PERIOD ACRES-FEET 28480.

66074M Cb 12-53

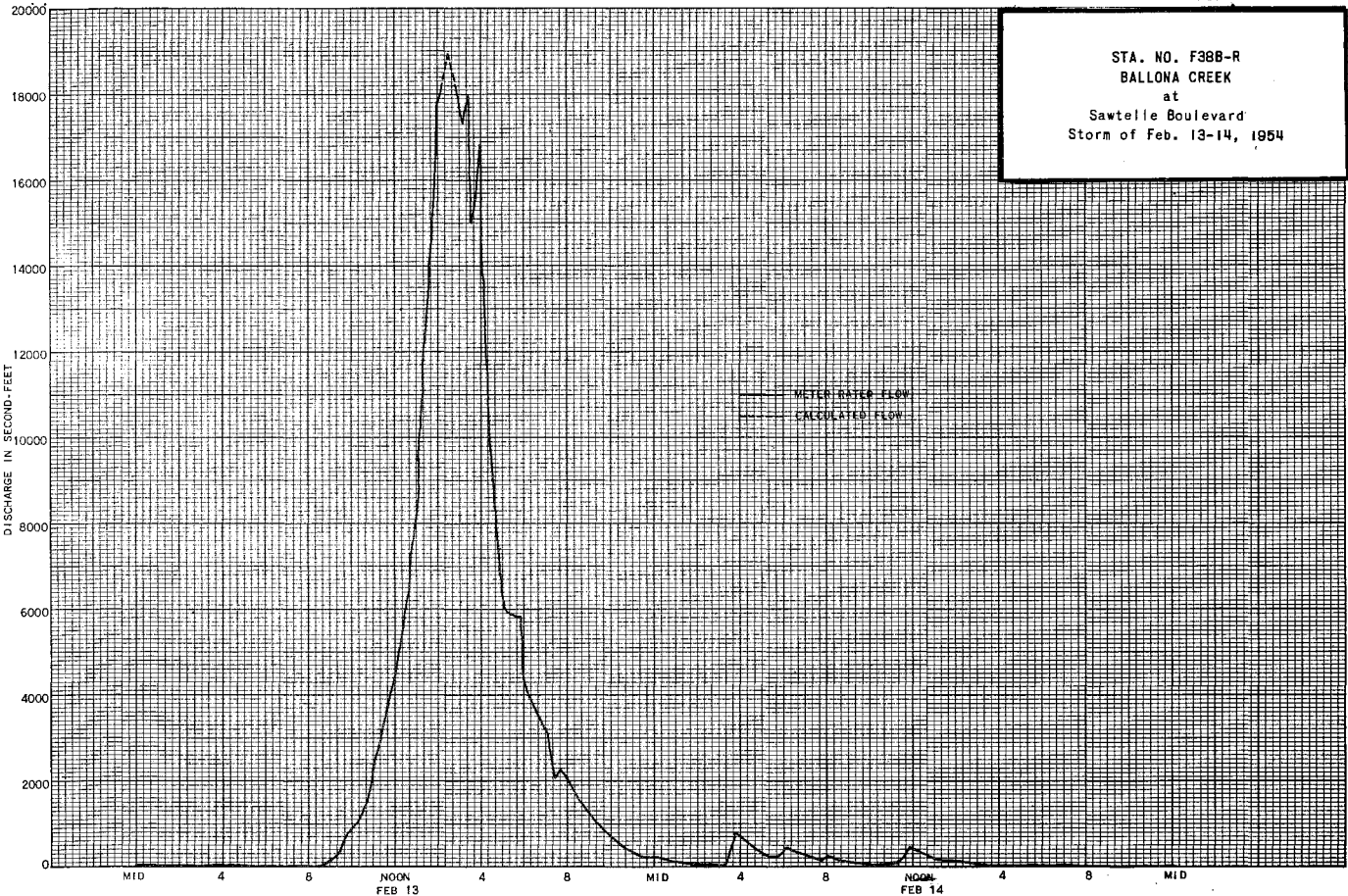
LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

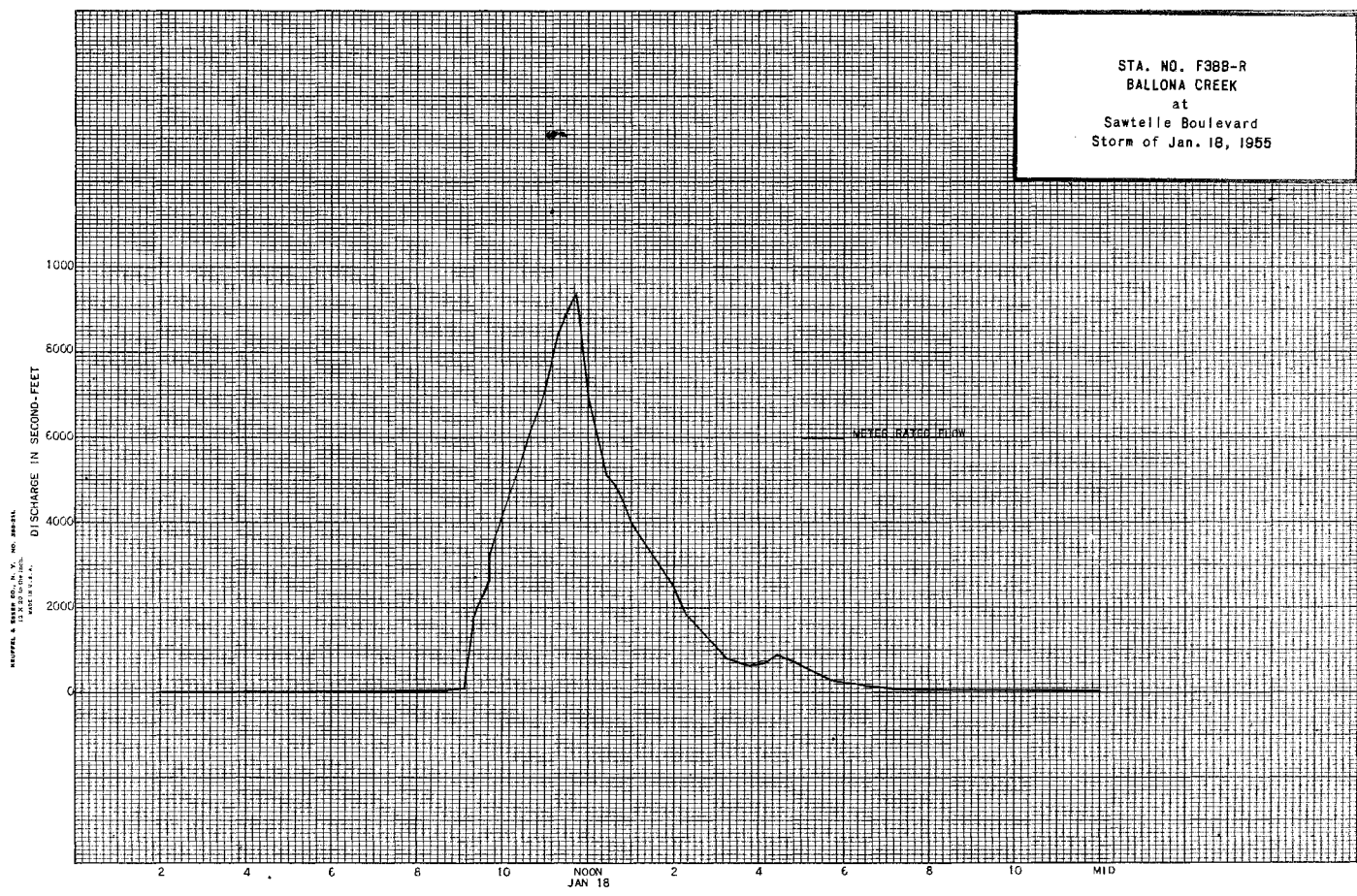
Sta. No. F388-R

Daily discharge, in second-feet of BALLONA CREEK at Sawtelle Boulevard for the year ending September 30, 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	8.4	7.9	6.9	45.4	11	8.1	8.1	27.8	8.1	9.3	11	11
2	9.0	8.3	7.8	21	12	8.9	6.9	17	9.3	9.2	12	12
3	6.9	11	24.1	13	9.7	8.5	6.9	13	8.5	10	11	11
4	8.1	8.6	20	12	10	8.9	6.9	12	7.7	8.7	11	8.9
5	8.1	7.3	6.4	12	10	9.3	7.7	13	7.3	10	9.7	9.3
6	8.1	6.9	6.8	200	8.9	8.1	8.5	12	8.9	10	8.9	12
7	9.2	5.4	6.9	11	9.7	8.5	7.7	40.2	9.3	10	8.1	11
8	8.1	6.4	6.4	7.7	9.7	8.5	8.1	13	8.9	9.7	10	10
9	8.5	7.7	38.0	8.1	9.7	8.1	8.5	11	8.9	11	10	11
10	8.7	10.8	4.6	74.3	9.7	15.2	8.1	11	10	12	11	9.7
11	8.1	6.9	7.7	1.9	8.9	9.7	8.1	8.1	9.7	10	11	9.9
12	8.9	4.9	14	8.9	8.9	8.9	8.5	7.7	9.7	11	13	11
13	11	12	5.9	14	8.1	7.7	8.9	8.5	11	9.3	11	10
14	9.6	11	7.3	13	12	8.4	8.9	7.7	11	9.3	11	10
15	8.5	14	5.9	13	9.3	9.3	9.3	7.3	13	9.7	14	11
16	8.5	15	6.9	45.5	5.5	8.9	8.9	8.6	15	11	12	9.7
17	8.3	7.2	7.3	20	14.8	8.5	8.5	7.7	12	6.9	14	8.9
18	8.1	6.4	7.3	210	8.5	8.9	8.9	8.1	12	9.3	17	8.7
19	8.9	8.4	8.1	6.8	8.1	8.5	9.3	8.1	10	9.4	13	7.7
20	7.9	7.3	7.7	11	8.5	7.7	12	9.5	11	8.5	12	7.7
21	8.3	6.9	8.1	10	8.5	8.1	21.9	8.5	11	10	a	12
22	8.6	6.9	7.3	11	9.3	8.5	50.9	7.7	10	9.9	a	6.9
23	10	6.4	7.5	9.7	8.8	8.5	16	8.5	9.4	8.9	11	6.7
24	7.7	6.9	7.5	9.3	8.1	8.5	13	8.9	9.7	9.3	11	7.6
25	8.9	8.4	6.9	9.3	8.9	8.5	14	8.1	9.3	a	10	5.4
26	8.9	7.3	6.4	9.3	3.9	8.5	14.5	8.1	9.1	10	a	6.9
27	7.7	6.9	6.9	8.9	15.5	8.1	8.3	8.1	9.0	11	9.3	7.7
28	7.7	6.4	9.0	9.9	9.7	8.1	8.1	8.9	8.5	11	8.9	7.7
29	9.2	6.4	7.3	9.3		7.7	8.5	7.7	8.4	13	9.8	9.3
30	7.3	8.7	7.2	25.2		7.3	52.1	7.3	8.5	8.9	10	8.1
31	6.9		7.7	11.7		7.3		7.3		8.5	9.7	

262.1	1076.0	881.2	3754.5	623.0	491.8	1630.6	952.4	294.2	304.4	342.4	273.9	
MEAN	8.46	35.9	26.4	121.	22.2	15.9	54.4	30.7	9.81	9.82	11.0	9.13
ACRE-FEET	520.	2130.	1750.	7459.	1240.	975.	3230.	1890.	584.	604.	679.	543.
Remarks:												
									YEAR OR PERIOD	MEAN	29.8	
									ACRE-FEET	21600.		





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 ABOVE OVERLAID WITH COARSE GRAVEL AND SAND, WITH ROCK-PAVED LEVEES.

RECORDS AVAILABLE:  
CONTINUOUS WATER-STAGE RECORDS AVAILABLE FROM AUGUST 9, 1940 TO SEPTEMBER 30, 1955.

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

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



STATION F120B-R  
BIG DALTON CREEK below Big Dalton Dam

LOCATION: WATER-STAGE RECORDER, LAT. 34°10'12", 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. CONCRETE WELL. DECEMBER 23, 1946. AN H.C.F. RECORDER WAS IN SERVICE FROM OCTOBER 1, 1953 TO SEPTEMBER 30, 1955.

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, 1955.

EXTREMES OF DISCHARGE:  
1953-54  
MAXIMUM 9.3 SECOND-FEET, FEBRUARY 15.  
MINIMUM NO FLOW PART OF YEAR.  
1954-55  
MAXIMUM 6.8 SECOND-FEET, OCTOBER 1.  
MINIMUM NO FLOW MOST OF YEAR  
1940-55  
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  
below Big Dalton Dam DURING THE YEAR ENDING SEPTEMBER 30, 1954

DISCHARGE MEASUREMENTS OF BIG DALTON CREEK  
below Big Dalton Dam DURING THE YEAR ENDING SEPTEMBER 30, 1955

NO.	DATE	BSIN 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	REAR REC. NO.	S. FT. CHARGE TOTAL	METER NO.
325	10-2	1515 1530	STUNDEN	4.5	1.82	1.10	0.31	2.0	.5	10	0	0	FC36
326	10-7	1415 1425	"	3.5	1.12	1.87	0.34	2.1	.5	8	0	0	"
327	1-28	1200 1202	MIDDLETON	1.0	0.13	1.00	0.17	0.13	.5	3	0	0	FC26
328	2-14	1235 1240	WHISLER-RASMUSSEN	3.4	0.38	1.16	0.42	0.44	.5	7	0	0	FC5
329	2-15	1142 1146	MIDDLETON	2.0	0.40	0.75	0.36	0.30	.5	5	0	0	FC26
330	2-15	1220 1232	"	7.0	2.41	3.73	0.88	9.0	.6	9	0	0	"
331	2-15	1540 1555	"	8.2	2.88	3.16	0.88	9.1	.6	10	0	0	"
332	2-16	1600 1620	"	8.4	3.16	2.56	0.87	8.1	.6	13	0	0	"
333	2-18	0814 0816	"	0.6	0.10	1.10	0.09	0.11	.6	3	0	0	"
334	2-25	0842 0844	"	0.8	0.08	0.75	0.02	0.05	.5	3	0	0	"
335	3-24	0958 0958	"	0.8	0.10	0.40	0.05	0.04	.5	3	0	0	"
336	4-1	0811 0815	"	2.1	0.41	0.44	0.06	0.18	.6	5	0	0	"
337	4-8	0947 0952	"	1.2	0.10	0.40	0.02	0.04	.6	5	0	0	FC49
338	4-15	0802 0804	"	0.4	0.03	0.67	0.01	0.02	.6	3	0	0	"
339	8-25	1105 1123	WHISLER	5.8	2.37	2.07	0.63	4.9	.6	12	0	0	FC26
340	8-26	0805 0820	"	4.6	1.79	2.79	0.65	5.0	.6	10	0	0	"
341	9-1	1023 1041	MIDDLETON	6.6	2.47	2.32	0.62	5.8	.6	13	0	0	"
342	9-10	0958 1010	MIDDLETON-WHISLER	5.0	2.52	1.94	0.56	4.9	.6	11	0	0	"
343	9-18	0816 0838	MIDDLETON	8.5	3.48	1.70	0.78	5.9	.6	15	0	0	"
344	9-30	1115 1133	"	6.1	3.46	2.08	0.66	7.2	.6	13	0	0	"

NO.	DATE	BSIN 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	REAR REC. NO.	S. FT. CHARGE TOTAL	METER NO.
345	10-1	0822 0838	MIDDLETON	5.5	2.42	2.60	0.61	6.3	.6	11	0	0	FC26

76074M Cb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. FI20-R

Daily discharge, in second-feet of BIG DALTON CREEK below Big Dalton Dam for the year ending September 30, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0.1	+	0.2	0	0	0	0	5.8
2	1.1	0	0	0	0.1	+	0.1	0	0	0	0	5.6
3	2.2	0	0	0	+	0	0.1	0	0	0	0	5.4
4	2.2	0	0	0	0	0	0.1	0	0	0	0	5.4
5	2.2	0	0	0	0	0	0.1	0	0	0	0	5.3
6	2.2	0	0	0	0	0	0.1	0	0	0	0	5.2
7	2.1	0	0	0	0	0	0.1	0	0	0	0	5.0
8	1.9	0	0	0	0	0	+	0	0	0	0	4.9
9	1.8	0	0	0	0	0	+	0	0	0	0	4.9
10	1.7	0	0	0	0	0	+	0	0	0	0	4.9
11	1.7	0	0	0	0	0	+	0	0	0	0	4.9
12	0.8	0	0	0	0	0	+	0	0	0	0	4.8
13	0	0	0	0	0.5	0	+	0	0	0	0	4.8
14	0	0	0	0	0.4	0	+	0	0	0	0	4.6
15	0	0	0	0	4.6	0	+	0	0	0	0	5.0
16	0	0	0	0	3.6	0	+	0	0	0	0	4.4
17	0	0	0	0	4.3	0	0	0	0	0	0	4.2
18	0	0	0	0	0.1	0	0	0	0	0	0	5.8
19	0	0	0	0.5	0.1	0	0	0	0	0	0	5.0
20	0	0	0	+	0.1	+	0	0	0	0	0	1.6
21	0	0	0	+	0.1	+	0	0	0	0	0	0
22	0	0	0	+	0.1	+	0	0	0	0	0	0
23	0	0	0	+	0.1	+	0	0	0	0	0	0
24	0	0	0	0	0.1	0	0	0	0	0	0	0
25	0	0	0	0.5	0.1	0.1	0	0	0	0	0	0
26	0	0	0	0.5	+	+	0	0	0	0	3.2	0
27	0	0	0	0.5	+	+	0	0	0	0	5.0	0
28	0	0	0	0.1	+	+	0	0	0	0	5.3	0
29	0	0	0	0.1	+	+	0	0	0	0	5.4	0
30	0	0	0	0.1	0.4	0.1	0	0	0	0	5.6	0
31	0	0	0	0.1	0.4	0.2	0	0	0	0	5.8	4.4
	20.1	0	0	3.5	19.4	0.9	0.8	0	0	0	36.1	102.2
MEAN	0.65	0	0	0.11	0.69	0.03	0.03	0	0	0	1.16	3.41
ACRE- FEET	40.	0	0	6.9	38.	1.8	1.6	0	0	0	72.	203.

Remarks: + = 0.05 cfs or less

YEAR OR PERIOD MEAN ACRE-FEET  
0.50  
363.

76074M Cb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. FI20-R

Daily discharge, in second-feet of BIG DALTON CREEK below Big Dalton Dam for the year ending September 30, 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3.5	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0.2	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0
	3.5	0	0	0.2	0	0	0	0	0	0	0	0

MEAN	0.11	0	0	.006	0	0	0	0	0	0	0	0
ACRE- FEET	6.9	0	0	0.4	0	0	0	0	0	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN ACRE-FEET  
0.01  
7.3

STATION U 9-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.1N., R9W., 0.2 MILE UPSTREAM FROM MOUTH OF CANYON AND 2.5 MILES NORTHEAST OF GLENDORA, ALTITUDE OF GAGE ABOUT 1170.0 FEET.

DRAINAGE AREA: 7.5 SQUARE MILES.

RECORDS AVAILABLE: DECEMBER 1919 TO SEPTEMBER 1955.

AVERAGE DISCHARGE: 35 YEARS (1920-55) 1.09 SECOND-FEET.

EXTREMES:

1953-54

MAXIMUM DISCHARGE 22 SECOND-FEET JANUARY 25. (GAGE HEIGHT 2.12 FEET.)  
MINIMUM NO FLOW FOR SEVERAL MONTHS.

1954-55

MAXIMUM DISCHARGE 6.4 SECOND-FEET OCTOBER 1. (GAGE HEIGHT 1.72 FEET.)  
MINIMUM NO FLOW FOR SEVERAL MONTHS.

1919-55

MAXIMUM DISCHARGE ABOUT 650 SECOND-FEET MARCH 2, 1938, FROM RECORD OF RELEASE FROM BIG DALTON RESERVOIR.  
MINIMUM NO FLOW FOR SEVERAL MONTHS OF EACH YEAR.

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

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

DISCHARGE MEASUREMENTS OF BIG DALTON CREEK

NEAR Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 54

NO.	DATE	BSIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./SEC.	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAT. IND.	METH. CD.	MEAS. REC. NO.	S. BY. CHANGE TOTAL	METER NO.
	1277	8-30	U.S.G.S.	6.7	3.55	1.55	1.69	5.49	.6	15	0		
	1278	9-1	1136 1148 MIDDLETON	7.3	3.43	1.55	1.70	5.32	.6	9	0	FC26	
1254A	10-7	1315 1325	STUNDEN	3.0	1.13	1.59	1.58	1.85	.5	7		FC50	
1255	10-14	0820 0825	"	0.6	0.10	0.60	1.04	0.06	.5	4		"	
1256	1-19		U.S.G.S.				1.09	0.11				FLUME	
1257	2-9		U.S.G.S.	1.3	0.21	0.86	1.13	0.18	.5	13	0		
1258	2-10	0814 0824	MIDDLETON	2.1	0.41	0.68	1.14	0.28	.6	7	0	FC49	
1259	2-18		U.S.G.S.	2.7	0.60	2.07	1.52	1.24	.5	6	12	0	
1260	2-25	0820 0829	MIDDLETON	2.8	0.57	0.79	1.21	0.45	.5	7	0	FC26	
1261	3-11	0812 0818	MIDDLETON	3.0	0.43	0.72	1.17	0.31	.6	7	0	FC49	
1262	3-11		U.S.G.S.				1.16	0.20				FLUME	
1263	3-25	0918 0928	MIDDLETON	3.6	0.79	1.01	1.41	0.81	.6	8	0	FC26	
1264	3-25		U.S.G.S.	3.3	0.67	1.29	1.37	0.86	.5	12	0		
1265	4-7		U.S.G.S.	3.3	0.49	1.12	1.27	0.55	.5	16	0		
1266	4-8	1021 1052	MIDDLETON	3.3	0.50	1.04	1.29	0.52	.5	8	0	FC49	
	1279	9-10	1025 1042 MIDDLETON	7.4	3.08	1.59	1.68	4.89	.6	16	0	"	
	1280	9-15	U.S.G.S.	7.9	3.52	1.94	1.75	6.83	.6	20	0		
	1281	9-18	0910 0928 MIDDLETON	7.2	3.82	1.94	1.75	7.38	.6	13	0	FC26	
	1267	4-29	0810 0818 MIDDLETON	2.6	0.33	0.70	1.19	0.23	.6	7	0	FC49	
	1268	5-11	U.S.G.S.				1.15	0.16				FLUME	
	1269	5-13	0806 0818 MIDDLETON	2.4	0.25	0.64	1.15	0.16	.6	7	0	FC49	
	1270	5-26	U.S.G.S.	1.5	0.28	0.52	1.11	0.14	.5	10	0		
	1271	6-3	0818 0826 MIDDLETON	1.5	0.26	0.46	1.12	0.12	.6	6	0	FC49	
	1272	6-9	U.S.G.S.				1.09	0.07				FLUME	
	1273	6-22	U.S.G.S.				1.04	0.04				"	
	1274	6-24	0822 0826 MIDDLETON	0.8	0.06	0.83	1.05	0.05	.6	5	0	FC49	
	1275	7-7	U.S.G.S.				1.01	0.01				FLUME	
	1276	8-26	0950 1005 WHISLER	6.6	3.92	1.28	1.67	5.05	.6	14	0	FC26	



Form 68 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. U9-R

Daily discharge, in second-feet of BIG DALTON CREEK near Mouth of Canyon for the year ending September 30, 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3.4	0	0.1	0	0.1	0	0.0	0	0	0	0	0
2	0.1	0	0.1	0.1	0.1	0	0.0	0	0	0	0	0
3	0.1	0	0.1	0.1	0.1	0	0.0	0	0	0	0	0
4	0.1	0	0	0.1	0.1	0	0	0	0	0	0	0
5	0	0	0	0	0.1	0	0	0	0	0	0	0
6	0	0	0	0	0.1	0	0	0	0	0	0	0
7	0	0	0	0	0.1	0	0	0	0	0	0	0
8	0	0	0	0	0.1	0	0	0	0	0	0	0
9	0	0	0	0	0.1	0	0	0	0	0	0	0
10	0	0	0	0.1	0.1	0	0	0	0	0	0	0
11	0	0.1	0	0	0.1	0.1	0	0	0	0	0	0
12	0	0	0	0	0.1	0	0	0	0	0	0	0
13	0	0	0	0	0.1	0	0	0	0	0	0	0
14	0	0	0	0	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	0.1	0.1	0	0	0	0	0	0	0
17	0	0	0	0.1	0.1	0	0	0	0	0	0	0
18	0	0	0	0.7	0.1	0	0	0	0	0	0	0
19	0	0	0	0.5	0.1	0	0	0	0	0	0	0
20	0	0	0	0.3	0	0	0	0	0	0	0	0
21	0	0	0	0.2	0	0	0	0	0	0	0	0
22	0	0	0	0.2	0	0	0	0	0	0	0	0
23	0	0	0	0.2	0	0	0	0	0	0	0	0
24	0	0	0	0.2	0	0	0	0	0	0	0	0
25	0	0	0	0.1	0	0	0	0	0	0	0	0
26	0	0	0	0.1	0.1	0	0	0	0	0	0	0
27	0	0	0	0.1	0.1	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	0
30	0	0	0	0.1	0	0	0	0	0	0	0	0
31	0	0.1	0	0.1	0	0	0	0	0	0	0	0
	3.7	0.2	0.3	3.7	2.1	0.1	0	0	0	0	0	0

MEAN	0.12	0.007	0.01	0.12	0.08	0.003	0	0	0	0	0	0
ACRE- FEET	7.3	0.4	0.6	7.3	4.2	0.2	0	0	0	0	0	0

Remarks: YEAR OR PERIOD 0.09  
MEAN ACRE-FEET 20.

STATION F202-R  
BIG DALTON CREEK at Sierra Madre Avenue

LOCATION: WATER-STAGE RECORDER, LAT. 34°06'49", LONG. 117°50'13", ON THE LEFT (EAST) DOWNSTREAM WING WALL OF SIERRA MADRE AVENUE BRIDGE. ELEVATION OF ZERO GAGE HEIGHT 987.21 FEET ABOVE MEAN SEA LEVEL.

DRAINAGE AREA: 7.67 SQUARE MILES.

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

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

RECORDER: INSTALLED DECEMBER 27, 1951 - OVER A 24 INCH GALVANIZED IRON PIPE STILLING WELL. AN H.C.F. RECORDER IN SERVICE FROM OCTOBER 1, 1953 TO SEPTEMBER 30, 1955.

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

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

RECORDS AVAILABLE: DECEMBER 27, 1951 TO SEPTEMBER 30, 1955.

EXTREMES OF DISCHARGE:  
1953-54  
MAXIMUM 25 SECOND-FEET JANUARY 25, AND FEBRUARY 13.  
MINIMUM NO FLOW MOST OF YEAR.  
1954-55  
MAXIMUM LESS THAN 0.05 SECOND FEET AT TIMES.  
MINIMUM NO FLOW MOST OF YEAR.  
1951-55  
MAXIMUM 55 SECOND FEET JANUARY 25, 1952.  
MINIMUM NO FLOW MOST OF EVERY YEAR.

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

DISCHARGE MEASUREMENTS OF BIG DALTON CREEK  
 AT Sierra Madre Avenue DURING THE YEAR ENDING SEPTEMBER 30, 1954

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- ION	METH- OD	MEAN SEC. DISCH.	D. CHG. TOTAL	METER NO.
21	1-24	1947 1950	WHISLER-RASMUSSEN	4.0	0.65	1.69	2.84	1.1		.5	5	+0.01	FCS
22	1-25	0141 0147	" "	14.5	4.03	2.70	3.12	10.9		.5	8	+0.04	"
23	2-13	1825 1830	" "	5.0	1.2	1.0	2.86	1.2		.5	6	0	"
24	2-13	1912 1920	" "	10.0	3.65	3.23	3.17	11.8		.6	9	0	"
25	2-13	2330 2337	" "	6.0	3.32	2.23	3.05	7.4		.6	8	0	"
26	2-14	1300 1307	" "	7.0	2.05	1.37	2.88	2.8		.6	9	0	"
27	2-15	1702 1703	MIDDLETON	1.2	0.14	0.57	2.69	0.08		.5	3	0	FC26
28	3-20	1109 1106	"	2.0	0.40	0.85	2.74	0.34		.5	5	0	"
29	3-21	1200 1204	"	1.4	0.18	0.56	2.64	0.15		.5	4	0	"

IND 714 Cb 12-53

LOS ANGELES COUNTY  
 FLOOD CONTROL DISTRICT  
 HYDRAULIC DIVISION

Sta. No. F202-R

Daily discharge, in second-feet of BIG DALTON CREEK at Sierra Madre Avenue for the year ending September 30, 1954

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	3	0	0	0	0	0	0	0
15	0	0	0	0	2	0	0	0	0	0	0	0
16	0	0	0	0	6	0	0	0	0	0	0	0
17	0	0	0	0	5	0	0	0	0	0	0	0
18	0	0	0	0	+	+	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	2	0	0	0	0	0
22	0	0	0	0	0	0	1	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	4	0	0	0	0	0	0	0	0
26	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	0
30	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	6.5	7.3	0.4	0	0	0	0	0	0
MEAN	0	0	0	0.21	0.26	0.13	0	0	0	0	0	0
100- PERCENT	0	0	0	12.9	14.6	0.8	0	0	0	0	0	0

Remarks: + = 0.05 cfs or less

YEAR OR PERIOD 039 MEAN 28. ACRE-FEET

FD-714M Gb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F202R

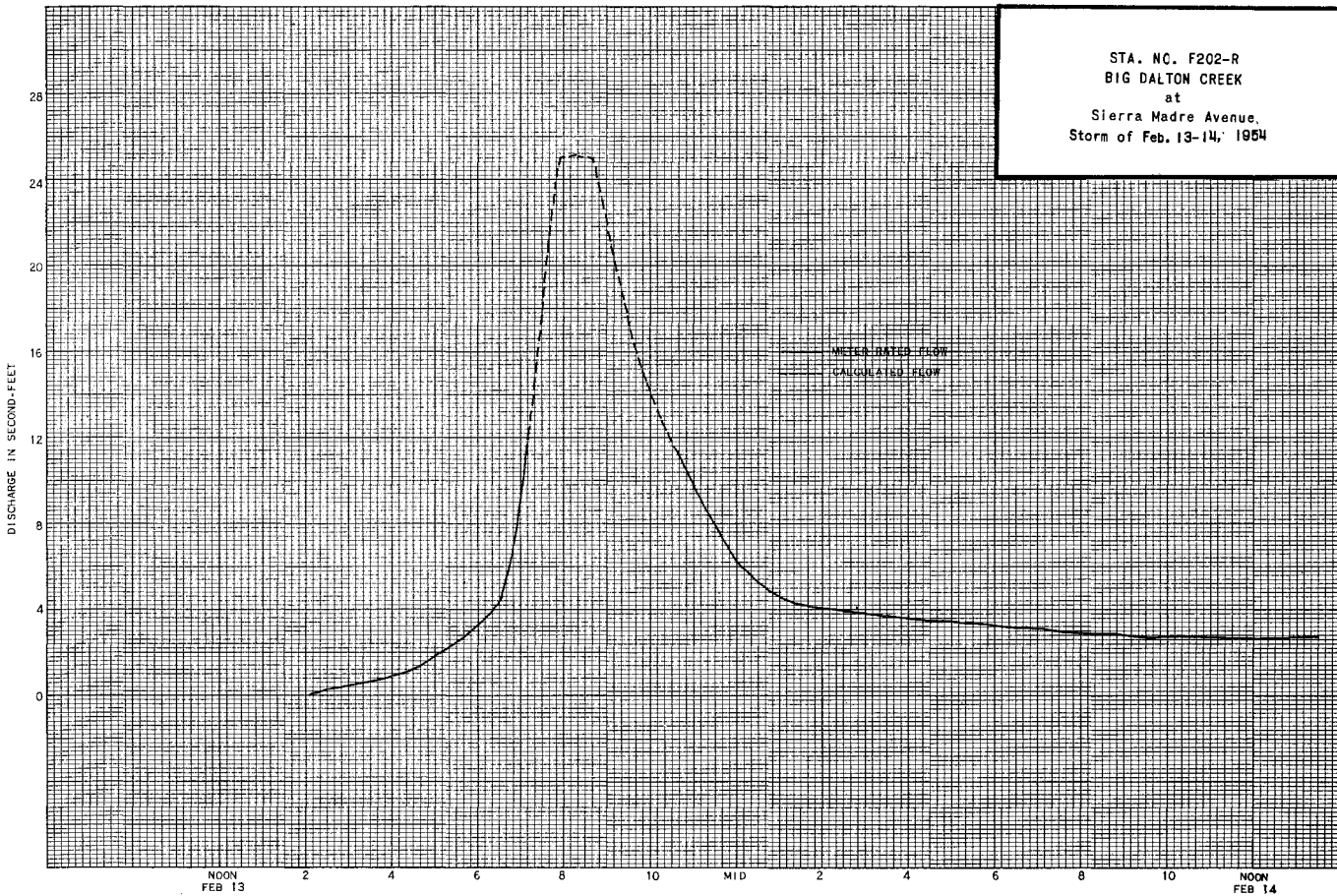
Daily discharge, in second-feet of **BIG DALTON CREEK at Sierra Madre Avenue** for the year ending September 30, 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	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
7	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
10	0	0	0	0	0	+	0	0	0	0	0	0
11	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
17	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
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	+	0	0	+	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0

MEAN	0	0	0	+	+	+	+	+	0	0	0	0
ACRE- FEET	0	+	+	+	+	+	+	+	0	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN ACRE-FEET



STATION F274-R  
DALTON WASH at Merced Avenue

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

DRAINAGE AREA: 28 SQUARE MILES.

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

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

RECORDER: INSTALLED NOVEMBER 11, 1940 OVER A 24-INCH DIAMETER CORRUGATED PIPE STILLING WELL. AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1953 TO SEPTEMBER 30, 1955.

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, 1955.

EXTREMES OF DISCHARGE:

1953-54  
MAXIMUM 1290 SECOND-FEET, FEBRUARY 13.  
MINIMUM NO FLOW MOST OF YEAR.

1954-55  
MAXIMUM 666 SECOND-FEET, JANUARY 16.  
MINIMUM NO FLOW PART OF YEAR.

1940-55  
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 Merced Avenue DURING THE YEAR ENDING SEPTEMBER 30, 1954

NO.	DATE	BEGN. END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REG. FT.	RAT. ING	METH. DO	MEAN REC. NO.	R. HT. DISCHARGE TOTAL	METER NO.
219	11-14	1730 1740	WHISLER-TREAT	21.2	5.78	1.92	2.16	11.1		.6	7	+03	FC5
220	1-18	2140 2150	TREAT-LEVY	21.5	6.88	2.11	2.19	14.5		.6	12	+03	FC45
221	1-19	0330 0400	" "	23.0	19.7	5.28	2.80	104.		.6	13	+14	"
222	1-19	0640 0705	" "	36.0	39.6	6.74	3.48	267.		.6	16	+25	"
223	1-19	1645 1700	" "	36.0	53.2	7.11	3.75	378.		.6	10	+50	"
224	1-24	1015 1020	" "	22.5	10.4	3.38	2.34	34.1		.6	13	+01	"
225	1-24	2035 2035	" "	22.0	9.94	2.85	2.27	28.3		.6	12	+01	"
226	1-24	2335 2340	" "	24.0	24.0	6.25	2.85	150.		.6	13	+10	"
227	1-25	0310 0320	" "	37.0	56.5	6.80	3.80	384.		.6	11	+10	"
228	2-13	1355 1405	TREAT-CANAVAN	23.5	18.6	5.01	2.65	93.2		.6	13	+10	"
229	2-13	1440 1450	" "	27.0	27.0	6.15	3.02	166.		.6	13	+11	"
230	2-13	2115 2130	" "	35.0	38.8	5.39	3.40	209.		.6	18	+28	"
231	2-14	1817 1827	WHISLER-RASSMUSSEN		CHANNELS		1.95	2.6		.6	7	+02	FC5
232	3-16	2055 2105	TREAT-LEVY	23.0	16.2	3.23	2.60	52.3		.6	13	+04	FC45
233	3-16	2240 2250	" "	22.0	9.19	1.57	2.21	14.4		.6	13	+02	"
234	3-20	0635 0645	" "	23.5	13.6	2.54	2.49	34.5		.6	13	+12	"
235	3-20	0700 0710	" "	24.0	18.1	3.70	2.64	67.0		.6	13	0	"
236	3-20	1205 1215	" "	23.5	14.5	3.22	2.48	46.7		.6	13	+04	"
237	3-20	2140 2150	" "	22.5	7.61	1.80	2.24	13.7		.6	12	+04	"
238	3-22	0948 0958	MIDDLETON	4.2	1.01	0.78	1.75	0.79		.6	8	0	FC26
239	3-30	0140 0145	TREAT-LEVY	24.0	16.8	4.23	2.57	71.0		.6	13	+02	FC45
240	3-30	0450 0500	" "	22.5	15.8	3.13	2.53	49.5		.6	13	+07	"



DISCHARGE MEASUREMENTS OF DALTON WASH  
 AT Merced Avenue DURING THE YEAR ENDING SEPTEMBER 30, 19 55

NO.	DATE	SEBIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE REG. FT.	RAT- ING	METH- OD	MEAN REG. NO.	S. FT. CHANGE TOTAL	METER NO.
241	11-11	0305 0315	TREAT - LEVY	22.5	15.0	3.45	2.58	51.8	.6	13	- .03		FC45
242	11-11	0710 0735	" "	34.0	40.1	6.63	3.50	266.	.6	16	+ .30		"
243	12-3	2110 2121	MIDDLETON-CANAVAN	23.2	18.2	3.66	2.70	66.7	.6	14	- .10		FC26
244	12-3	2331 2346	" "	16.2	4.42	1.29	2.17	5.7	.6	10	- .04		"
245	1-1	2038 2048	MIDDLETON-TREAT	22.0	11.3	2.78	2.36	31.4	.6	13	- .06		"
246	1-6	1350 1358	MIDDLETON	7.7	1.95	1.59	2.07	3.1	.6	8	+ .02		"
247	1-6	1502 1518	" "	21.0	6.84	1.71	2.22	11.7	.6	12	- .04		"
248	1-10	0520 0535	TREAT - LEVY	35.0	43.4	6.31	3.52	274.	.6	17	+ .44		FC45
249	1-10	0910 0915	" "	23.5	21.6	3.79	2.75	81.8	.6	13	- .10		"
250	1-10	1435 1440	MIDDLETON-WHISLER	4.5	0.68	0.38	1.83	0.26	.6	9	0		FC49
251	1-16	0904 0912	" "	27.0	24.2	4.59	2.91	111.	.6	15	- .02		FC26
252	1-16	1348 1355	" "	19.0	4.35	1.06	2.18	4.6	.6	11	- .02		"
253	1-18	1142 1151	MIDDLETON-RASMUSSEN	27.0	20.2	4.62	2.85	93.4	.6	15	+ .22		"
254	1-18	1408 1424	" "	34.0	85.0	7.20	5.12	612.	.6	11	+ .12		"
255	1-18	1600 1615	TREAT - LEVY	35.0	37.1	4.77	3.44	177.	.6	18	- .22		FC45
256	1-18	1615 1625	" "	34.0	31.3	4.50	3.25	141.	.6	16	- .16		"
257	1-18	1949 2000	MIDDLETON-RASMUSSEN	22.0	12.6	2.03	2.54	25.6	.6	13	- .01		FC26
258	2-10	0803 0821	MIDDLETON	5.2	1.02	0.95	1.88	0.97	.6	11	0		FC49
259	2-17	0810 0830	"		CHANNELS		2.02	1.5	.6	14	- .02		FC26
260	2-27	1032 1040	MIDDLETON-BARR				2.10	0.67	.6	8	+ .02		"
261	2-27	1120 1128	" "	20.0	6.02	0.85	2.33	5.1	.6	12	0		"
262	2-27	1604 1618	" "	20.1	6.48	1.20	2.30	7.8	.6	13	- .04		"

NO.	DATE	SEBIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE REG. FT.	RAT- ING	METH- OD	MEAN REG. NO.	S. FT. CHANGE TOTAL	METER NO.
263	3-11	0215 0228	" "	23.5	26.2	4.27	3.05	112.	.6	14	- .20		"
264	4-22	0157 0213	" "	22.5	11.0	1.67	2.33	18.4	.6	13	+ .01		FC54
265	4-22	0320 0337	MIDDLETON-BARR	22.0	15.7	3.03	2.53	47.6	.6	13	- .01		"
266	4-30	1800 1810	MIDDLETON-TREAT	22.0	11.7	2.24	2.47	26.2	.6	13	+ .02		"
267	4-30	1855 1907	" "	23.5	27.6	5.14	3.04	142.	.6	12	+ .04		"
268	4-30	2348 2358	" "	22.0	7.79	1.49	2.19	10.6	.6	13	- .02		"
269	5-1	0957 1010	MIDDLETON	7.5	2.34	1.20	2.12	2.8	.6	10	0		"
270	5-7	0902 0920	MIDDLETON-BARR	21.2	6.72	1.19	2.20	8.0	.6	13	0		"
271	5-7	0830 0840	" "	22.5	13.6	2.86	2.52	38.9	.6	13	- .06		"
272	5-7	1406 1416	" "	11.5	4.52	1.39	2.15	6.3	.6	8	- .02		"
273	5-26	1618 1628	MIDDLETON	3.0	0.74	1.05	2.02	0.78	.6	7	0		FC49
274	6-29	1608 1617	" "	4.4	1.22	0.98	2.05	1.2	.6	9	0		"
275	7-15	0908 0918	" "	4.1	0.92	1.03	2.04	0.95	.6	9	0		"

76074M Gb 12-53

LOS ANGELES COUNTY  
 FLOOD CONTROL DISTRICT  
 HYDRAULIC DIVISION

Sta. No. F274-R

Daily discharge, in second-feet of DALTON WASH at Merced Avenue for the year ending September 30, 19 54

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	2.2	0	0	0	0	0	0	0
3	0	0	0	0	2.0	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	0.5	0	0	0	0	0	0	0	0
13	0	0	0	0	21.7	0	0	0	0	0	0	0
14	0	0.7	0	0	14	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	5.1	0	0	0	0	0	0
17	0	0	0	0	0	0.2	0	0	0	0	0	0
18	0	0	0	2.2	0	0	0	0	0	0	0	0
19	0	0	0	9.5	0	0	0	0	0	0	0	0
20	0	0	0	1.3	0	1.9	0	0	0	0	0	0
21	0	0	0	0	0	0.4	0	0	0	0	0	0
22	0	0	0	0	0	1.6	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	4.9	0	1.2	0	0	0	0	0	0
25	0	0	0	3.4	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	0.4	0	0	0	0	0	0
28	0	0	0	0	0	0.3	0	0	0	0	0	0
29	0	0	0	0	0	2.3	0	0	0	0	0	0
30	0	0	0	0	0	3.8	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0
		0.7	0	231.0	235.2	69.5	+	0	0	0	0	0

MEAN	0	0.02	0	7.45	8.40	2.24	+	0	0	0	0	0
ACRE- FEET	0	1.4	0	458.	467.	138.	+	0	0	0	0	0

Remarks: + = 0.05 cfs or less

YEAR OR PERIOD MEAN 1.47  
 1060.

FORM Cb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

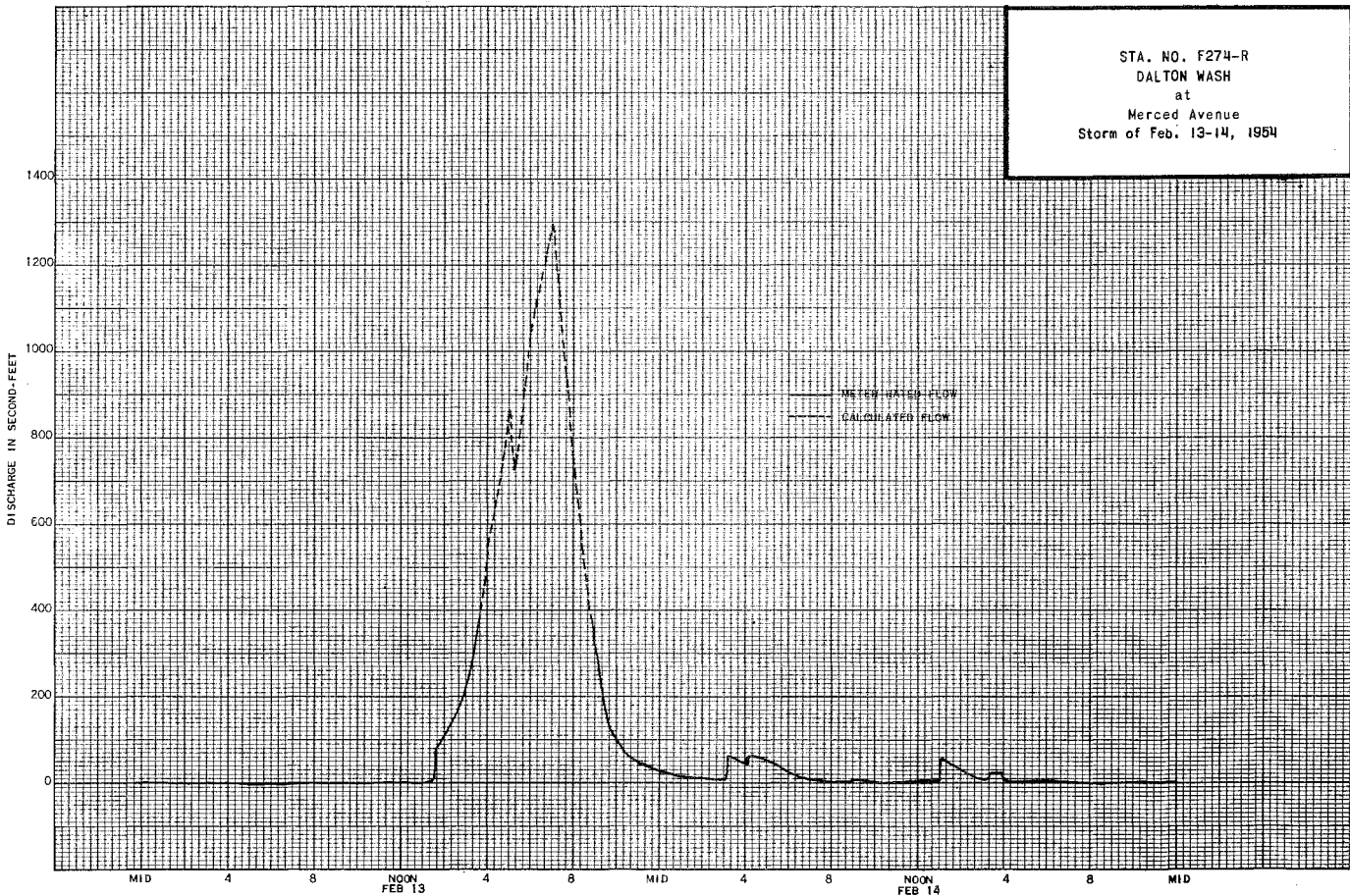
Sta. No. F274-R

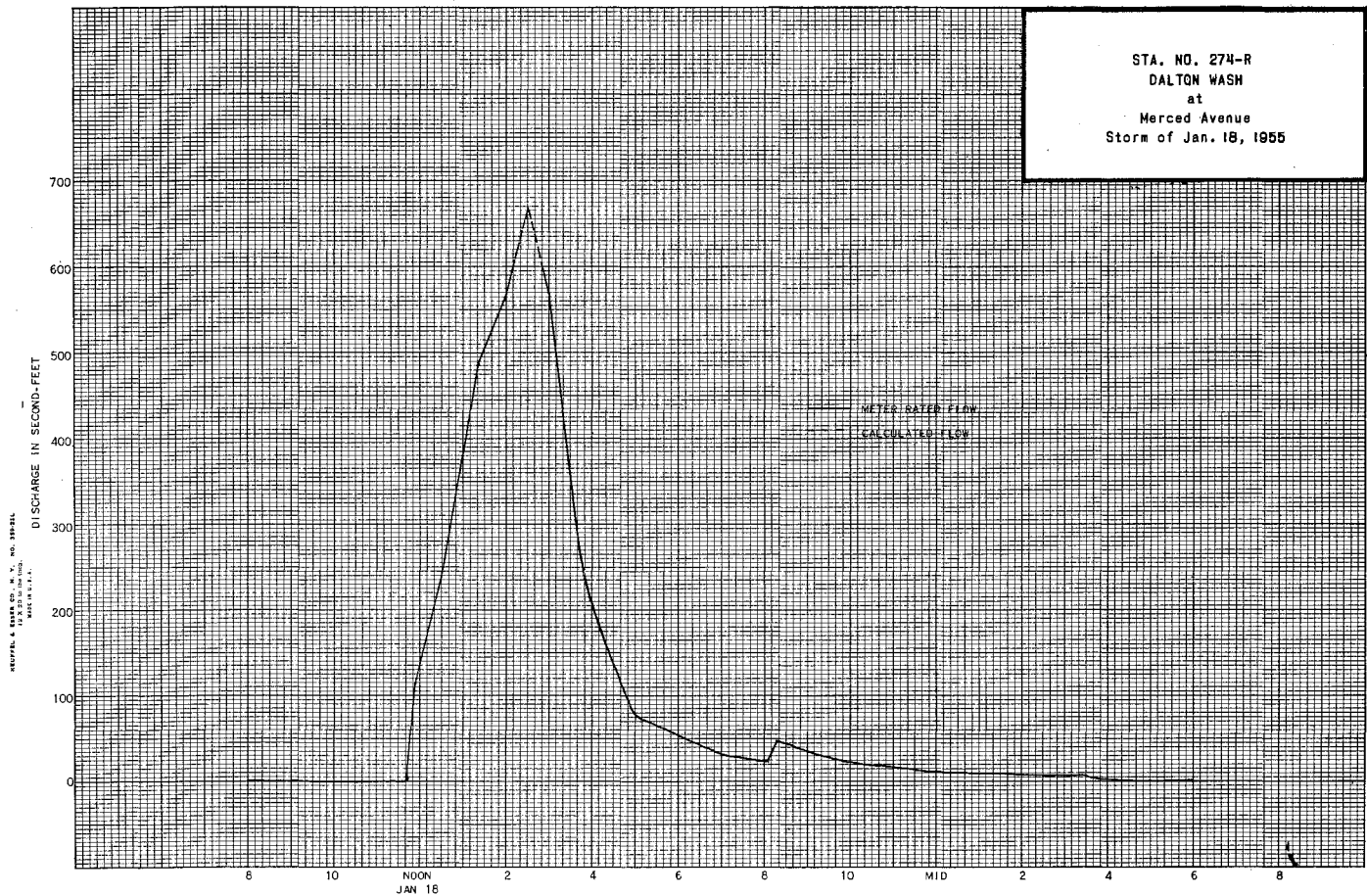
Daily discharge, in second-feet of DALTON WASH at Merced Avenue for the year ending September 30, 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	7.8	0	0	0	3.7	0	0.3	0	0
2	0	0	0	0.1	0	0	0	+	0	0.4	0	0
3	0	0	5.7	0	0	0	0	0	0.1	0.5	0.2	0
4	0	0	+	0	0	0	0	0	0	0.4	0.2	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	1.2	0	0	0	0	0	0.1	0	0
7	0	0	0	0	0	0	0	1.4	0	0	0	0
8	0	0	0	0	0	0	0	+	0	0	0	0
9	0	0	4.7	0	+	0	0	0	0	0	0	0
10	0	0	3.4	7.5	a 0.5	2.4	0	0.6	0	0	0.1	0
11	0	3.7	0	0	0.5	1.7	0	0	0	0	0	0
12	0	0	0	0	0.2	0.6	0	0	0	0	0	0
13	0	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	1.6	0	0	0	0	0	0.15	0.2	0
16	0	0	0	2.4	0.6	1.8	0	0	0	+	0	0
17	0	0	0	0.1	0.5	0	0	0	0	0	0	0
18	0	0	0	8.8	0	0	0	0	0.3	0	0	0
19	0	0	0	1.5	0	0.4	0	0	0.1	0	0	0.1
20	0	0	0	0	0	0.5	0	0.5	0.4	0.2	0	0
21	0	0	0	0	0	0.2	+	0.5	0.4	0	0.9	0.1
22	0	0	0	0	0	0	9.0	1.1	0.2	0	0.7	0
23	0	0	0	0	0	0	0	1.0	0.2	0	0	0
24	0	0	0	0	0	0	0	0.7	0.2	0	0.1	+
25	0	0	0	0	0.3	+	0	0.7	0.2	0	0.1	1.1
26	0	0	0	0	0	0	0	1.4	0.7	0.1	0.4	0
27	0	0	0	0	3.9	+	0	1.1	0.9	0.5	0	0.5
28	0	0	0	0	0	0.2	0	0.7	0.9	0	0	0.5
29	0	0	0	0	0	0	0	0.6	1.1	0	0	0.4
30	0	0	0	1.0	0	0	1.8	0	0.6	0.2	0	0
31	0	0	0	0.5	+	0	0	0	0	1.2	0	0
	0	37.0	13.8	200.8	11.7	23.1	27.0	25.9	5.4	5.2	2.8	3.7
MEAN	0	1.23	0.45	6.48	0.42	0.75	0.90	0.84	0.19	0.17	0.09	0.12
ACRE- FEET	0	73.	27.	398.	23.	46.	54.	51.	11.	10.	5.6	7.3

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD: MEAN 0.98, 70%





STATION F111C-R  
BIG TUJUNGA CREEK below Mill Creek

LOCATION: WATER-STAGE RECORDER, LAT.  $34^{\circ}18'33''$ , LONG.  $118^{\circ}08'40''$ , 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, 1953 TO SEPTEMBER 30, 1955.

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, 1955.

EXTREMES OF DISCHARGE:

1953-54

MAXIMUM 260 SECOND-Feet JANUARY 25.

MINIMUM LESS THAN 0.1 SECOND-FOOT IN JULY, AUGUST AND SEPTEMBER.

1954-55

MAXIMUM 41 SECOND-Feet MAY 1.

MINIMUM NO FLOW IN AUGUST AND PART OF SEPTEMBER.

1930-55 (STATIONS F111-R, F111B-R AND F111C-R)

MAXIMUM DISCHARGE NOT DETERMINED MARCH 2, 1936.

MAXIMUM DISCHARGE OF RECORD 14800 SECOND-Feet JANUARY 23, 1943.

MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: GOOD.

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

DISCHARGE MEASUREMENTS OF BIG TUJUNGA CREEK  
below Mill Creek DURING THE YEAR ENDING SEPTEMBER 30, 1954

NO.	DATE	RESID. END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INR	METH. CD	MEAS. REC. NO.	S. NT. CHANGE TOTAL	METER NO.
386	10-15	1304 1310	BLAKELY	3.0	0.56	0.84	4.46	0.47	FLOATS	6	0		
387	10-22	1014 1020	"	4.0	0.68	0.68	4.52	0.46	"	7	0		
388	10-29	0958 1004	"	3.0	0.69	0.77	4.58	0.53	"	7	0		
389	11-5	1411 1419	GODFREY-BLAKELY	3.0	0.82	0.98	4.54	0.80	"	5	7	0	FC44
390	11-12	1556 1558	BLAKELY	3.0	0.78	0.90	4.55	0.70	FLOATS	7	0		
391	11-14	1648 1713	GODFREY-CUADRAZ	9.3	3.49	1.15	4.74	4.0	.6	16	+01		FC28
392	11-15	1031 1047	GODFREY	9.3	2.19	0.87	4.56	1.9	.6	12	0		FC44
393	11-19	1354 1400	BLAKELY	3.3	0.90	1.22	4.56	1.1	.5	7	0		FC24
394	11-27	1437 1453	SPELLMAN-BLAKELY	3.4	0.86	1.07	4.56	0.92	.5	8	0		FC53
395	12-3	1030 1038	BLAKELY	8.2	2.12	0.46	4.59	0.98	.5	8	0		
396	12-10	1089 1089	"	4.8	1.32	0.83	4.56	1.1	.5	7	0		
397	12-17	1446 1454	"	4.8	1.43	0.91	4.56	1.3	.5	7	0		
398	12-23	1350 1356	"	5.0	1.47	0.88	4.57	1.3	.5	7	0		
399	12-31	1536 1544	"	5.0	1.55	0.90	4.57	1.4	.5	7	0		
400	1-7	1300 1430	"	5.5	1.68	0.95	4.57	1.6	.5	8	0		
401	1-14	1424 1430	"	5.5	1.59	1.00	4.59	1.6	.5	7	0		
402	1-19	1010 1030	KASIMOFF-CUADRAZ	35.5	37.4	1.29	5.86	48.2	.6	16	+07		FC44
403	1-20	1135 1155	"	27.0	18.1	1.13	5.22	20.5	.5	14	+01		
404	1-25	1534 1554	"	36.5	39.3	2.17	5.97	85.3	.6	11	+03		
405	1-28	1445 1455	BLAKELY	17.5	13.8	0.73	4.92	10.1	.5	10	0		FC53
406	2-4	1453 1503	"	16.5	10.6	0.35	4.67	3.7	.6	10	0		
407	2-11	1444 1454	"	9.3	2.72	1.29	4.62	3.5	.6	9	0		
408	2-13	1740 1758	KASIMOFF-CUADRAZ	35.0	40.0	1.38	5.98	79.4	.6	16	+23		FC44
409	2-13	2030 2100	"	45.0	77.0	2.66	6.82	205.	.6	12	+03		
410	2-14	0014 0035	"	44.0	59.8	2.91	6.61	174.	.6	12	+05		
411	2-14	1208 1225	"	36.0	42.1	2.10	6.04	88.6	.6	15	+01		
412	2-18	1400 1410	BLAKELY	23.5	18.4	0.93	5.13	17.2	.6	12	0		FC53
413	2-25	1048 1056	"	21.3	12.9	0.61	4.82	7.9	.6	11	0		
414	3-4	1120 1128	"	16.0	10.7	0.49	4.72	5.2	.6	11	0		
415	3-11	1112 1120	"	16.0	9.99	0.46	4.69	4.6	.6	10	0		
416	3-18	0940 1000	HYDE	19.0	11.2	0.88	4.91	9.9	.5	15	0		FC44
417	3-20	0925 0948	GODFREY-CUADRAZ	14.5	13.7	1.77	5.25	24.2	.6	16	0		FC28
418	3-25	1341 1405	GODFREY	13.2	14.7	1.84	5.31	27.0	.6	11	+01		
419	4-1	1035 1100	HYDE	29.5	23.6	1.52	5.47	35.9	.6	18	0		FC44
420	4-8	1140 1150	BLAKELY	19.0	15.4	1.17	5.12	18.0	.6	11	0		FC53
421	4-15	1050 1100	"	10.5	7.88	1.38	4.89	10.9	.6	11	0		
422	4-22	1123 1123	"	10.8	4.40	1.43	4.77	6.3	.6	11	0		
423	4-29	1235 1245	"	10.0	4.02	1.69	4.77	6.8	.6	10	0		FC24
424	5-6	1115 1123	"	9.0	3.43	1.57	4.69	5.4	.6	9	0		
425	5-13	1434 1442	"	8.4	3.02	1.28	4.62	3.9	.5	8	0		
426	5-20	1300 1306	"	7.8	2.40	1.04	4.56	2.5	.5	9	0		
427	5-27	1410 1418	"	7.7	2.34	1.07	4.55	2.5	.5	8	0		
428	6-3	1148 1158	SPELLMAN-HYDE	7.5	2.29	0.83	4.54	1.9	.5	10	0		FC44
429	6-10	1021 1029	BLAKELY	7.6	2.41	0.95	4.57	2.3	.5	9	0		FC53
430	6-17	1017 1025	"	7.3	2.10	0.71	4.53	1.5	.5	9	0		
431	6-24	0956 1004	"	2.7	0.50	1.56	4.43	0.78	.5	6	0		
432	7-1	1148 1154	BLAKELY	2.8	0.50	0.84	4.40	0.42	.5	6	0		FC53
433	7-7	0927 0957	HYDE	2.1	0.37	0.86	4.39	0.32	.5	6	0		
434	7-15	0926 0940	"	2.0	0.34	0.79	4.38	0.27	.5	6	0		
435	7-22	1046 1054	DE MARS-HYDE	2.0	0.20	0.55	4.33	0.11	.5	6	0		
436	7-29	1042 1049	DE MARS	0.9	0.06	0.50	4.29	0.03	.5	5	0		
437	8-5	0916 0920	BLAKELY	1.4	0.15	0.60	4.32	0.09	.5	6	0		
438	8-26	0912 0922	HYDE	3.0	0.44	0.48	4.34	0.21	.5	6	0		
439	9-2	0858 0904	"	2.0	0.20	0.55	4.32	0.11	.5	5	0		
440	9-30	1230 1234	BLAKELY	2.5	0.36	0.25	4.34	0.09	.5	6	0		

DISCHARGE MEASUREMENTS OF BIG TUJUNGA CREEK  
below Mill Creek DURING THE YEAR ENDING SEPTEMBER 30, 1955

NO.	DATE	RESID. END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INR	METH. CD	MEAS. REC. NO.	S. NT. CHANGE TOTAL	METER NO.
441	10-14	1232 1238	BLAKELY	2.8	0.50	0.48	4.36	0.24	.5	7	-01		FC53
442	10-21	1106 1112	"	3.0	0.52	0.60	4.37	0.31	.5	7	0		"
443	10-28	1116 1124	"	2.9	0.67	0.76	4.43	0.51	.5	7	0		"
444	11-4	1020 1026	"	3.0	0.65	0.92	4.46	0.60	.5	7	0		"
445	11-10	1022 1028	"	3.0	0.67	0.78	4.46	0.52	.5	7	0		"
446	11-17	1227 1235	"	6.5	1.52	0.57	4.45	0.87	.5	7	0		"
447	11-24	1105 1111	"	6.7	1.52	0.59	4.45	0.90	.5	7	0		"
448	12-1	0953 0959	"	7.2	1.86	0.59	4.49	1.1	.5	7	0		"
449	12-8	1135 1203	"	7.2	1.81	0.77	4.47	1.4	.5	7	0		"
450	12-15	1053 1059	"	7.8	2.26	0.88	4.52	2.0	.5	8	0		"
451	12-22	1035 1041	"	7.3	2.06	0.87	4.52	1.8	.5	8	0		"
452	12-29	1115 1123	"	7.3	1.82	0.77	4.46	1.4	.5	7	0		"
453	1-5	1234 1240	"	7.4	2.04	0.98	4.50	2.0	.5	8	0		"
454	1-12	1148 1158	"	8.0	2.80	1.35	4.60	3.8	.5	9	0		"
455	1-18	1253 1305	GODFREY-CROKE	19.0	17.5	0.95	5.12	16.6	.6	11	+07		FC28
456	1-18	1019 1019	"	19.0	16.8	0.96	5.17	16.5	.6	13	0		"
457	1-19	1320 1325	"	14.5	9.71	0.74	4.80	7.2	.6	11	0		"
458	1-26	1303 1311	BLAKELY	9.5	3.43	1.43	4.65	4.9	.6	9	0		FC53
459	2-2	1050 1058	"	9.0	3.94	1.60	4.75	6.3	.5	6	9	0	"
460	2-9	1022 1030	"	8.7	3.20	1.41	4.62	4.5	.5	6	9	0	"
461	2-16	1126 1126	"	10.5	4.16	1.53	4.77	6.4	.5	5	10	0	FC24
462	2-23	1036 1044	"	9.3	3.70	1.46	4.68	5.4	.5	6	10	0	FC53
463	3-2	1050 1058	"	11.0	4.62	1.56	4.80	7.2	.5	6	10	0	"
464	3-9	1010 1020	"	9.6	3.60	1.28	4.67	4.6	.5	6	10	0	FC24
465	3-16	1205 1213	BLAKELY-LEE	10.5	4.17	1.51	4.75	6.3	.5	6	10	0	FC24
466	3-23	1115 1123	BLAKELY	8.8	3.20	1.37	4.62	4.4	.5	6	10	0	"
467	3-31	0900 0912	HYDE	7.0	2.58	1.12	4.56	2.9	.5	9	0		FC44
468	4-6	1142 1150	BLAKELY	8.0	2.89	1.14	4.54	3.3	.5	9	0		FC53
469	4-13	1054 1102	"	7.5	2.42	0.99	4.52	2.4	.5	8	0		"
470	4-20	1124 1132	"	7.7	2.46	1.02	4.51	2.5	.5	8	0		"
471	4-27	1338 1346	"	7.8	2.68	1.19	4.55	3.2	.5	8	0		"
472	5-4	1558 1610	"	17.5	8.48	1.92	5.08	16.3	.6	11	0		FC24
473	5-11	1302 1316	HYDE	7.5	4.29	1.58	4.73	6.8	.5	9	0		FC53
474	5-18	0910 0926	"	7.7	3.38	1.15	4.60	3.9	.5	6	9	0	FC44
475	5-25	1123 1131	BLAKELY	8.0	2.88	1.29	4.58	3.7	.5	9	0		FC53
476	6-1	1313 1321	"	8.0	2.57	1.05	4.55	2.7	.5	8	0		"
477	6-8	1013 1021	"	7.2	1.66	0.78	4.45	1.3	.5	8	0		"
478	6-15	1138 1148	"	7.3	2.13	0.75	4.47	1.6	.5	9	0		"
479	6-23	1000 1006	SADDORIS-BLAKELY	1.5	0.37	1.08	4.34	0.40	.5	7	0		"
480	6-30	1013 1019	BLAKELY	2.0	0.58	1.28	4.39	0.74	.5	5	0		"
481	7-7	1250 1259	"	2.0	0.42	0.52	4.33	0.22	.5	5	0		"
482	7-14	0958 1002	"	2.0	0.39	0.41	4.31	0.16	.5	5	0		"
483	7-21	1236 1240	"	2.0	0.26	0.23	4.26	0.06	.5	5	0		"
484	9-22	1407 1410	TURNER	0.7	0.06	0.33	4.23	0.02	.5	1	0		FC44

760746 Cb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F111C-R

Daily discharge, in second-feet of BIG TUJUNGA CREEK below Mill Creek for the year ending September 30, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.1	0.7	0.8	1.3	4.9	6.1	3.8	6.1	1.8	0.4	+	+
2	0.1	0.7	0.8	1.3	4.3	5.7	3.4	5.9	1.6	0.3	+	+
3	0.1	0.8	1.0	1.5	4.0	5.5	3.1	5.5	1.8	0.3	+	+
4	0.1	0.8	1.5	1.5	3.8	5.3	2.8	5.5	2.1	0.2	+	+
5	0.1	0.8	1.2	1.6	3.6	5.1	2.5	5.3	2.3	0.2	+	+
6	0.1	0.7	1.1	1.6	3.6	4.9	2.3	5.1	1.8	0.1	+	+
7	0.1	0.7	1.1	1.6	3.6	4.9	2.0	5.1	1.5	0.1	+	+
8	0.1	0.7	1.1	1.7	3.6	4.7	1.8	5.1	1.5	0.2	+	+
9	0.1	0.7	1.1	1.7	3.4	4.7	1.6	5.1	2.0	0.2	+	+
10	0.1	0.7	1.1	1.5	3.6	4.7	1.5	5.1	2.1	0.1	+	+
11	0.2	0.7	1.1	1.3	3.6	4.7	1.4	4.5	1.8	0.1	+	+
12	0.3	0.7	1.1	1.7	3.6	4.5	1.3	4.3	1.6	0.1	+	+
13	0.4	0.7	1.2	2.0	3.3	4.3	1.2	4.1	1.6	0.1	+	+
14	0.4	2.2	1.2	1.6	3.9	4.3	1.2	4.0	1.5	0.1	+	+
15	0.5	1.9	1.3	1.6	3.9	4.3	1.1	4.1	1.3	0.1	+	+
16	0.5	1.3	1.3	1.6	2.5	1.1	9.6	4.0	1.3	0.1	+	+
17	0.4	1.3	1.3	1.6	2.5	1.7	8.2	3.4	1.1	0.1	+	+
18	0.4	1.1	1.3	2.8	1.6	9.9	8.2	2.9	1.1	0.1	+	+
19	0.3	1.1	1.3	4.9	1.2	9.8	7.5	2.7	1.0	0.1	+	+
20	0.3	1.2	1.3	2.7	1.2	8.8	7.0	2.6	0.7	0.1	+	+
21	0.2	1.2	1.3	7.2	1.1	3.1	6.5	2.6	0.5	0.1	+	+
22	0.5	1.2	1.3	4.9	9.3	4.6	6.3	2.4	0.4	0.1	+	+
23	0.5	1.1	1.3	4.1	8.5	5.0	6.1	2.1	0.4	0.1	+	+
24	0.5	1.0	1.3	1.4	8.2	3.0	6.1	2.1	0.5	0.1	+	+
25	0.4	1.0	1.3	1.3	7.7	2.9	6.3	2.1	0.6	0.1	+	+
26	0.4	1.0	1.3	3.0	7.5	2.5	6.3	2.3	0.9	0.1	+	+
27	0.4	1.0	1.3	1.6	7.0	2.9	6.5	2.6	1.0	0.1	+	+
28	0.5	1.0	1.3	1.1	6.3	3.3	6.7	2.6	0.7	0.1	+	+
29	0.5	1.0	1.3	8.5	3.3	3.3	6.5	2.4	0.6	0.1	+	+
30	0.5	0.8	1.3	6.7	3.3	3.3	6.3	2.4	0.4	0.1	+	+
31	0.5	1.3	1.3	5.7	3.8	3.8	6.3	2.0	0.4	0.1	+	+
9.8		29.8	37.5	351.0	387.7	540.4	414.7	116.0	37.8	3.3	0.6	+
MEAN	0.32	0.99	1.21	11.3	13.8	17.4	13.8	3.74	1.26	0.11	0.02	+
ACRE- FEET	19.	59.	74.	696.	769.	1070.	823.	230.	75.	6.5	1.2	+

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

YEAR OR PERIOD MEAN ACRES- FEET 5.28 3820.

760746 Cb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

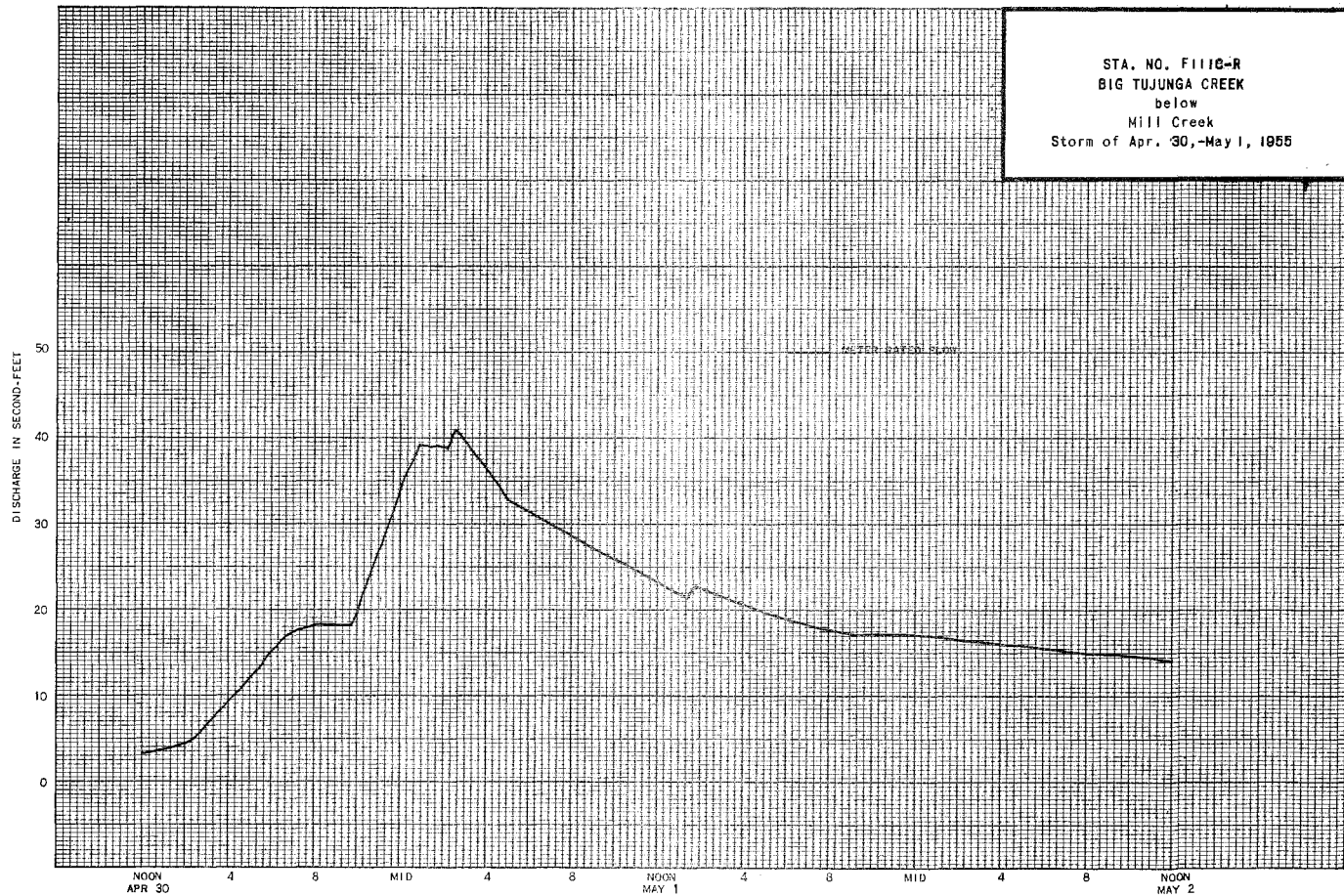
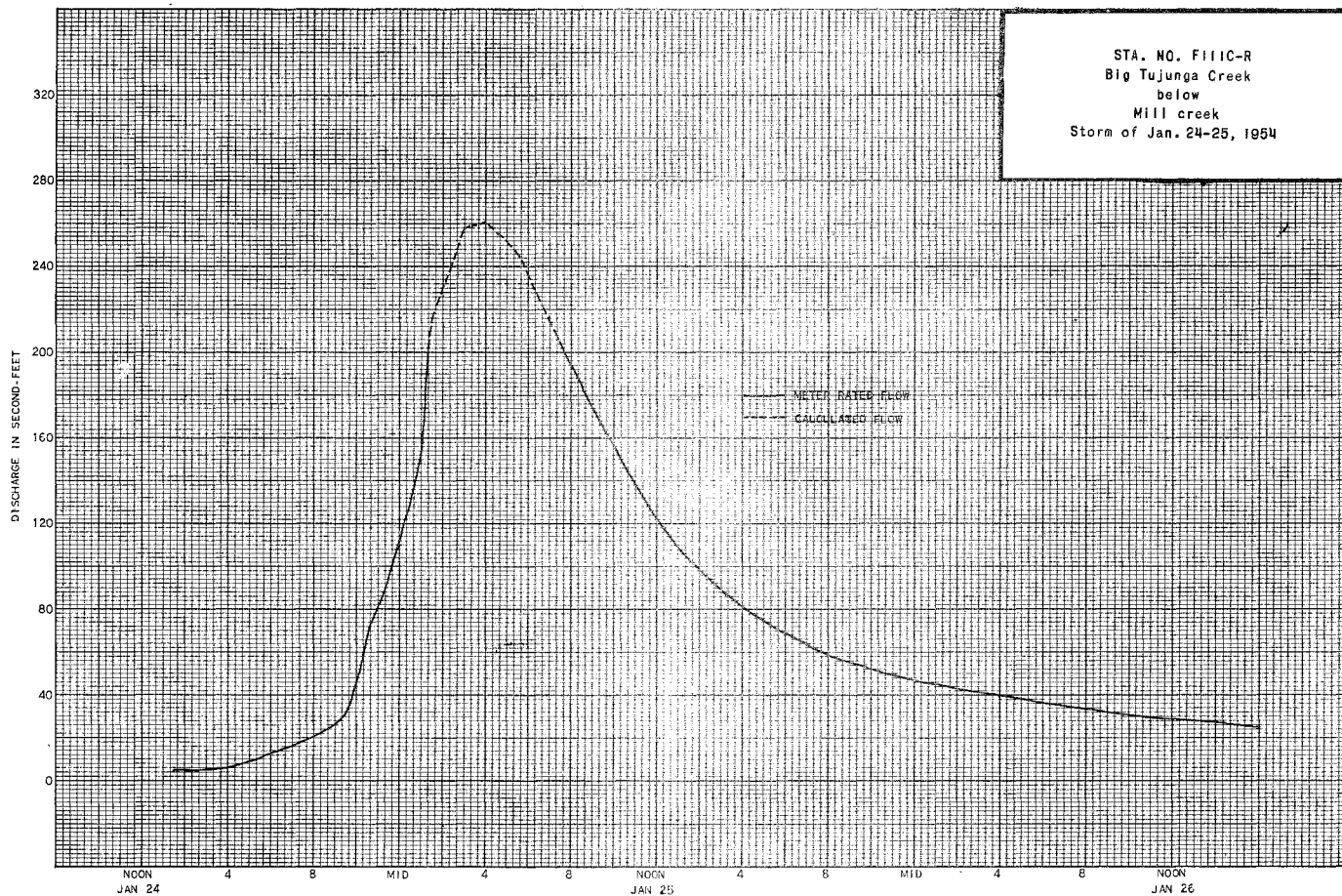
Sta. No. F111C-R

Daily discharge, in second-feet of BIG TUJUNGA CREEK below Mill Creek for the year ending September 30, 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.1	0.5	1.1	2.5	6.7	7.0	2.7	2.6	2.7	0.7	0	0
2	0.2	0.5	1.1	4.2	6.1	6.5	2.9	1.4	2.4	0.7	0	0
3	0.2	0.6	2.4	2.7	5.7	6.5	3.0	1.2	2.0	0.5	0	0
4	0.2	0.6	2.8	2.1	5.1	6.3	3.2	1.9	1.6	0.4	0	0
5	0.2	0.4	1.8	2.0	4.9	5.7	3.4	1.4	1.5	0.3	0	0
6	0.2	0.4	1.5	2.5	4.9	5.3	3.4	9.0	1.4	0.2	0	0
7	0.2	0.4	1.4	2.6	4.5	4.9	3.2	1.3	1.2	0.2	0	0
8	0.2	0.4	1.4	2.4	4.5	4.7	3.0	1.4	1.0	0.2	0	0
9	0.2	0.5	1.8	2.3	4.7	4.7	2.7	1.0	0.8	0.2	0	0
10	0.2	0.6	4.1	5.5	4.9	5.1	2.7	8.2	0.8	0.2	0	0
11	0.2	4.4	2.7	4.5	4.9	2.1	2.4	6.7	1.0	0.2	0	0
12	0.2	1.4	2.3	4.0	4.7	1.4	2.4	5.7	1.2	0.2	0	0
13	0.2	1.0	2.1	3.4	4.3	1.6	2.3	5.3	1.4	0.2	0	0
14	0.2	0.9	2.0	3.2	4.5	8.0	2.3	5.1	1.8	0.2	0	0
15	0.2	1.0	2.0	3.0	5.1	6.7	2.3	4.7	1.6	0.2	0	0
16	0.2	1.2	2.0	5.6	6.6	6.3	2.3	4.3	1.4	0.2	0	0
17	0.2	0.9	1.6	4.9	2.6	5.9	2.3	4.1	1.2	0.2	0	0
18	0.2	0.9	1.6	1.0	1.9	5.1	2.4	3.6	0.9	0.2	0	0
19	0.2	0.9	1.5	7.7	1.0	4.9	2.4	3.4	0.7	0.2	0	0
20	0.3	0.9	1.5	5.9	7.7	4.7	2.6	3.4	0.6	0.2	0	0
21	0.3	0.9	1.5	5.1	6.3	4.3	2.9	3.4	0.4	0.2	0	0
22	0.3	0.9	1.6	4.7	5.5	4.3	2.9	3.6	0.3	0.2	0	0
23	0.3	0.9	1.6	4.5	5.5	4.3	7.4	3.8	0.3	0.2	0	0
24	0.3	0.9	1.6	4.5	5.1	4.1	3.5	3.8	0.3	0.2	0	0
25	0.4	1.0	1.6	4.7	4.9	3.8	3.4	3.8	0.5	0.2	0	0
26	0.4	1.0	1.5	4.9	5.3	3.4	3.6	3.6	0.7	0.2	0	0
27	0.4	1.0	1.5	4.9	9.1	3.2	3.2	3.4	0.8	0.2	0	0
28	0.5	1.0	1.5	4.9	9.0	3.2	3.0	2.7	0.7	0.2	0	0
29	0.5	1.0	1.6	4.9	3.0	2.9	2.3	2.3	0.6	0.2	0	0
30	0.5	1.0	1.5	5.4	3.0	8.6	2.3	2.3	0.7	0.2	0	0
31	0.5	1.6	1.6	7.0	2.9	2.9	2.6	2.6	0.7	0.2	0	0
8.4		28.0	56.0	136.5	195.5	182.4	97.0	220.8	32.5	4.0	0	0
MEAN	0.27	0.93	1.81	4.40	6.96	5.88	3.23	7.12	1.08	0.13	0	+
ACRE- FEET	17.	56.	112.	271.	388.	362.	192.	438.	64.	7.9	0	+

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN ACRES- FEET 2.63 1910.



STATION FIG8-R  
BIG TUJUNGA CREEK below Big Tujunga Dam

LOCATION: WATER-STAGE RECORDER, LAT. 34°17'20", LONG. 118°11'36", ON THE RIGHT (NORTHWEST) BANK, 2800 FEET BELOW BIG TUJUNGA DAM AND ABOUT 12 MILES NORTHEAST OF SUNLAND. ELEVATION OF ZERO GAGE HEIGHT, 2063.34 FEET.

DRAINAGE AREA: 82.7 SQUARE MILES.

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

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

RECORDER: INSTALLED ON NOVEMBER 8, 1932, WASHED OUT DURING THE MARCH 2, 1938 STORM. INSTALLED ON MAY 31, 1938 IN A CONCRETE HOUSE OVER A 4 FT. X 4 FT. CONCRETE WELL AT APPROXIMATELY THE SAME LOCATION AS THE OLD WELL. AN AU CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1953 TO SEPTEMBER 30, 1955.

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, 1955.

EXTREMES OF DISCHARGE:

1953-54  
MAXIMUM 158 SECOND-FOOT MARCH 1.  
MINIMUM 0.2 SECOND-FOOT SEVERAL DAYS IN OCTOBER, NOVEMBER, JANUARY AND MARCH  
1954-55  
MAXIMUM 18.3 SECOND-FOOT OCTOBER 3.  
MINIMUM 0.1 SECOND-FOOT IN OCTOBER.  
1932-55  
MAXIMUM 33,000 SECOND-FOOT, 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  
below Big Tujunga Dam DURING THE YEAR ENDING SEPTEMBER 30, 1954

NO.	DATE	BSIN 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. REC. NO.	D. CH. CHANGE TOTAL	METER NO.	
		1426	1-26	1651	BLAKELY-SPELLMAN	32.7	27.2	1.46	4.28	39.7	.6	11	0	"
		1427	1-28	0902	BLAKELY	33.0	26.5	1.44	4.24	38.1	.6	11	0	"
1402	10-1	1415		1115	"	33.0	26.4	1.42	4.21	37.4	.6	11	0	"
		1428	1-28	0914	"	33.0	26.4	1.42	4.21	37.4	.6	11	0	"
1403	10-8	0945	"	0948	"	3.7	0.53	0.70	2.74	0.37	.5	6	0	FC53
1404	10-15	1404	"	0954	"	2.5	0.38	0.74	2.69	0.28	.5	6	0	"
		1430	2-11	1040	"	2.5	0.38	0.74	2.69	0.28	.5	6	0	"
1405	10-22	1346	"	1005	KASIMOFF-CUADRAZ	7.8	2.0	0.90	3.21	1.8	.6	9	-03	FC47
		1350	"	1015	"	7.8	2.0	0.90	3.21	1.8	.6	9	-03	FC47
1406	10-29	1338	"	0945	BLAKELY	4.0	0.83	0.67	2.78	0.56	.5	6	0	FC53
		1342	"	0945	"	4.0	0.83	0.67	2.78	0.56	.5	6	0	FC53
1407	11-5	1008	BLAKELY-GODFREY	1.0	0.16	1.25	2.90	0.20	"	5	0	-	"	"
		1012	"	1.0	0.16	1.25	2.90	0.20	"	5	0	-	"	"
1408	11-19	1095	"	1.0	0.26	1.00	2.84	0.26	.5	3	0	FC24	"	"
		1302	"	1.0	0.26	1.00	2.84	0.26	.5	3	0	FC24	"	"
1409	11-27	0958	SPELLMAN-BLAKELY	1.8	0.39	1.25	2.95	0.49	.5	5	0	FC53	"	"
		1010	"	1.8	0.39	1.25	2.95	0.49	.5	5	0	FC53	"	"
1410	12-3	1410	BLAKELY	1.4	0.38	1.26	2.92	0.48	.5	3	0	"	"	"
		1416	"	1.4	0.38	1.26	2.92	0.48	.5	3	0	"	"	"
1411	12-10	1420	"	1.7	0.42	0.95	2.97	0.40	.5	3	0	"	"	"
		1426	"	1.7	0.42	0.95	2.97	0.40	.5	3	0	"	"	"
1412	12-17	1040	"	1.6	0.39	1.13	2.90	0.44	.5	3	0	"	"	"
		1046	"	1.6	0.39	1.13	2.90	0.44	.5	3	0	"	"	"
1413	12-23	1007	"	1.6	0.35	1.14	2.82	0.40	.5	3	0	"	"	"
		1011	"	1.6	0.35	1.14	2.82	0.40	.5	3	0	"	"	"
1414	1-1	1238	"	1.4	0.24	0.79	2.73	0.19	.5	3	0	"	"	"
		1244	"	1.4	0.24	0.79	2.73	0.19	.5	3	0	"	"	"
1415	1-7	1408	"	2.0	0.40	1.00	2.90	0.40	.5	5	0	"	"	"
		1414	"	2.0	0.40	1.00	2.90	0.40	.5	5	0	"	"	"
1416	1-14	1507	"	2.0	0.46	0.96	2.96	0.44	.5	5	0	"	"	"
		1513	"	2.0	0.46	0.96	2.96	0.44	.5	5	0	"	"	"
1417	1-19	1705	KASIMOFF-CUADRAZ	16.5	6.63	0.33	3.32	2.2	.5	10	-01	FC23	"	"
		1720	"	16.5	6.63	0.33	3.32	2.2	.5	10	-01	FC23	"	"
1418	1-20	0950	"	12.5	4.34	0.23	3.07	1.0	.5	10	0	FC47	"	"
		0930	"	12.5	4.34	0.23	3.07	1.0	.5	10	0	FC47	"	"
1419	1-24	2316	"	21.5	11.6	0.44	3.52	5.1	.5	12	-03	"	"	"
		2334	"	21.5	11.6	0.44	3.52	5.1	.5	12	-03	"	"	"
1420	1-25	0440	"	22.0	12.6	0.54	3.58	6.8	.5	11	-02	"	"	"
		0455	"	22.0	12.6	0.54	3.58	6.8	.5	11	-02	"	"	"
1421	1-25	0615	"	36.0	52.7	2.94	5.22	155.	.6	15	0	"	"	"
		0836	"	36.0	52.7	2.94	5.22	155.	.6	15	0	"	"	"
1422	1-25	1245	"	47.5	71.1	1.88	5.24	134.	.5	18	0	"	"	"
		1310	"	47.5	71.1	1.88	5.24	134.	.5	18	0	"	"	"
1423	1-26	1008	BLAKELY-SPELLMAN	47.5	64.3	1.94	5.18	125.	.6	14	0	FC24	"	"
		1306	"	47.5	64.3	1.94	5.18	125.	.6	14	0	FC24	"	"
1424	1-26	1316	"	35.5	34.5	1.58	4.50	54.6	.6	12	0	"	"	"
		1514	"	35.5	34.5	1.58	4.50	54.6	.6	12	0	"	"	"
1425	1-26	1524	"	34.0	3.04	1.52	4.38	46.7	.6	11	0	"	"	"

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAT. IND.	METH. NO.	WEAR. REC. NO.	S. NT. CHANGE TOTAL	METER NO.
1450	5-27	1528 1538	BLAKELY	23.0	11.5	0.84	3.59	9.7	.6	11	0	FC53	
1451	6-3	1522 1532	"	23.0	11.6	0.79	3.58	9.2	.6	12	0	"	
1452	6-10	1335 1345	"	23.0	11.7	0.76	3.59	8.9	.6	11	0	"	
1453	6-17	1135 1145	"	23.5	12.0	0.80	3.60	9.6	.6	11	0	"	
1454	6-24	1222 1312	"	22.5	12.0	0.76	3.62	9.1	.6	18	0	"	
1455	7-1	1326 1312	"	24.5	12.3	0.76	3.62	9.3	.6	20	0	"	
1456	7-7	1337 1418	"	20.0	11.4	0.74	3.62	8.4	.6	16	0	"	
1457	5-15	1452 1328	"	22.0	12.1	0.68	3.64	8.2	.6	22	0	"	
1458	7-22	1355 1215	DE MARS - HYDE	23.5	12.9	0.63	3.65	8.1	.6	21	0	"	
1459	7-29	1240 1025	DE MARS	23.5	13.0	0.65	3.66	9.4	.6	21	0	"	
1460	8-5	1039 1519	BLAKELY	26.0	13.3	0.62	3.68	8.2	.6	18	0	"	
1461	8-12	1533 1128	"	14.0	9.42	0.84	3.68	7.9	.6	15	0	"	
1462	8-19	1142 1050	"	15.0	9.92	0.81	3.68	8.0	.6	16	0	"	
1463	8-26	1118 1030	HYDE	14.0	9.18	0.85	3.68	7.8	.6	17	0	"	
1464	9-2	1052 1258	"	14.6	9.54	0.83	3.68	7.9	.6	15	0	"	
1465	9-10	1310 1118	BLAKELY	23.5	19.7	1.00	4.07	19.8	.6	12	0	FC24	
1466	9-16	1148 1150	HYDE	21.0	24.3	1.13	4.16	27.4	.6	22	0	FC35	
1467	9-26	1200 1203	BLAKELY	23.0	15.8	0.94	3.89	14.7	.6	12	0	FC24	
1468	9-26	1213 1405	"	23.0	15.8	0.99	3.89	15.6	.6	12	0	FC53	
1469	9-30	1417	"	24.0	17.4	0.89	3.95	15.5	.6	12	0	"	

DISCHARGE MEASUREMENTS OF BIG TUJUNGA CREEK

below Big Tujunga Dam

DURING THE YEAR ENDING SEPTEMBER 30, 1955

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAT. IND.	METH. NO.	WEAR. REC. NO.	S. NT. CHANGE TOTAL	METER NO.
1470	10-14	1327 1323	BLAKELY	2.6	0.45	0.42	2.94	0.19	.5	6	0	FC53	
1471	10-21	1322 1326	"	3.5	0.70	0.69	3.08	0.48	.5	7	0	"	
1472	10-28	1318 1326	"	9.0	2.64	0.45	3.16	1.2	.5	10	0	"	
1473	11-4	1337 1343	"	2.7	0.50	0.58	2.95	0.29	.5	7	-.01	"	
1474	11-10	1322 1412	"	2.3	0.34	0.50	2.80	0.17	.5	6	0	"	
1475	11-17	1405 1218	"	2.6	0.38	0.68	2.81	0.26	.5	6	0	"	
1476	11-24	1224 1033	"	2.8	0.46	0.91	2.82	0.42	.5	7	0	"	
1477	12-1	1038 1340	"	3.0	0.48	1.02	2.84	0.49	.5	7	0	"	
1478	12-8	1346 1219	"	3.0	0.47	0.89	2.82	0.42	.5	7	0	"	
1479	12-15	1227 1242	"	4.4	0.70	0.64	2.82	0.45	.5	7	0	"	
1480	12-22	1250 1252	"	4.6	0.80	0.74	2.81	0.59	.5	7	0	"	
1481	12-29	1252 1342	"	4.0	0.83	0.82	3.05	0.68	.5	7	0	"	
1482	1-5	1342 1348	"	3.5	0.66	0.91	3.03	0.60	.5	7	0	"	
1483	1-12	1338 1344	"	3.8	0.79	0.94	3.05	0.74	.5	8	0	"	
1484	1-19	0905 0913	GODFREY-CROKE	4.0	1.01	1.09	3.12	1.1	.5	7	0	FC28	
1485	1-26	1442 1450	BLAKELY	3.7	0.62	0.89	3.00	0.55	.5	7	0	FC53	
1486	2-2	1242 1248	"	3.4	0.59	0.91	2.99	0.54	.5	8	0	"	
1487	2-9	1200 1206	"	3.6	0.64	0.84	3.01	0.54	.5	7	0	"	
1488	2-16	1252 1300	"	4.0	0.82	0.73	2.97	0.60	.5	5	0	FC24	
1489	2-23	1227 1233	"	3.5	0.60	0.93	2.97	0.56	.5	7	0	FC53	
1490	3-2	1242 1246	"	3.5	0.63	0.92	2.98	0.58	.5	8	0	"	
1491	3-9	1202 1210	"	3.3	0.52	0.83	2.92	0.43	.5	8	0	"	
1492	3-16	1415 1419	BLAKELY-LEE	3.3	0.48	1.06	2.88	0.51	.5	7	0	"	
1493	3-23	1305 1311	BLAKELY	3.0	0.56	0.87	2.88	0.49	.5	7	0	"	
1494	3-31	1315 1328	HYDE	2.5	0.46	1.06	2.88	0.49	.5	6	0	FC53	
1495	4-6	1328 1333	BLAKELY	3.0	0.53	0.92	2.86	0.49	.5	7	0	"	
1496	4-13	1248 1254	"	2.4	0.56	0.91	2.89	0.51	.5	6	0	"	
1497	4-20	1334 1340	"	2.6	0.62	0.87	2.94	0.54	.5	6	0	"	
1498	4-27	1034 1040	"	2.5	0.72	0.75	2.94	0.54	.5	6	0	"	
1499	5-4	1114 1120	"	2.5	0.83	0.86	2.99	0.71	.5	6	0	"	
1500	5-11	1127 1300	HYDE	4.0	1.21	0.70	2.99	0.85	.5	7	0	"	
1501	5-18	1310 1312	"	4.0	1.45	0.31	3.01	0.45	.5	7	0	"	
1502	5-25	1322 1420	BLAKELY	15.5	12.6	0.48	3.52	6.1	.6	10	0	"	
1503	6-1	1430 1051	"	16.0	12.0	0.45	3.48	5.6	.6	9	0	"	
1504	6-8	1101 1324	"	15.0	12.3	0.44	3.50	5.4	.6	9	0	"	
1505	6-15	1324 1332	"	14.5	11.0	0.46	3.50	5.1	.6	9	0	"	
1506	6-23	1236 1242	BLAKELY-SADDORIS	14.0	11.1	0.43	3.50	4.8	.6	10	0	"	
1507	6-30	1135 1149	BLAKELY	14.0	11.0	0.42	3.50	4.6	.6	8	9	0	"
1508	7-7	1332 1342	"	14.0	10.9	0.41	3.51	4.5	.6	9	0	"	
1509	7-14	1204 1214	"	14.0	11.7	0.51	3.57	6.0	.6	9	0	"	
1510	7-21	1106 1116	"	15.0	12.5	0.49	3.61	6.1	.6	10	0	"	
1511	7-28	1102 1110	"	14.0	11.9	0.51	3.65	6.1	.6	9	0	"	
1512	8-4	1248 1302	"	15.0	13.3	0.56	3.75	7.5	.6	10	0	"	
1513	8-11	1245 1255	"	15.0	13.8	0.60	3.80	8.3	.6	10	0	"	
1514	8-8	1125 1140	DEMARS	16.0	14.4	0.44	3.85	6.3	.5	6	10	0	FC24
1515	8-25	1032 1035	"	17.0	15.9	0.43	3.96	7.0	.6	13	0	"	
1516	9-1	1436 1450	BLAKELY	17.5	18.1	0.58	4.08	10.6	.6	11	0	FC53	
1517	9-8	1358 1410	"	19.5	18.4	0.47	4.01	8.7	.6	11	0	"	
1518	9-15	1118 1300	BLAKELY-SCOTT	18.0	17.9	0.54	3.97	9.4	.6	8	11	0	"
1519	9-22	1120 1137	TURNER	20.0	21.2	0.66	4.05	14.0	.6	13	0	FC43	
1520	9-29	1127 1140	"	20.0	22.2	0.70	4.08	15.5	.6	13	0	"	



7474M Cb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F168-R

Daily discharge, in second-feet of **BIG TUJUNGA CREEK below Big Tujunga Dam** for the year ending September 30, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.5	0.2	0.4	0.2	0.6	1.28	0.4	9.5	9.3	9.3	8.3	7.9
2	1.5	0.2	0.5	0.2	0.5	1.08	0.4	9.5	9.3	9.3	8.1	7.9
3	1.5	0.2	0.5	0.2	0.4	0.9	0.4	9.3	9.3	9.0	8.3	7.6
4	1.4	0.2	0.6	b 0.2	0.4	0.4	0.4	9.3	9.3	8.6	8.1	7.6
5	1.2	0.2	0.6	b 0.2	0.3	0.3	0.4	9.3	9.3	8.6	8.1	7.6
6	1.2	0.2	0.5	b 0.3	0.3	0.3	0.4	9.3	9.0	8.3	8.1	7.6
7	1.1	0.2	0.5	b 0.4	0.3	0.2	0.4	9.3	9.3	8.3	8.1	7.6
8	1.1	0.2	0.5	0.5	0.2	0.2	0.4	9.3	9.0	8.3	8.1	14.7
9	1.2	0.2	0.5	0.5	0.3	0.2	0.4	9.5	8.8	8.3	7.9	20.0
10	1.2	0.2	0.4	0.5	0.3	0.3	0.4	9.5	8.8	8.3	7.9	19.9
11	1.2	0.2	0.3	0.5	0.3	0.3	0.4	9.8	8.8	8.3	7.9	19.9
12	1.3	0.2	0.3	0.7	0.3	0.3	0.4	9.8	9.0	8.1	7.9	19.5
13	1.3	0.2	0.4	0.4	2.6	0.3	0.4	9.8	9.3	8.1	7.9	2.6
14	1.2	0.5	0.4	0.4	3.0	0.3	0.4	9.8	9.3	8.1	7.9	2.8
15	0.3	0.3	0.4	0.4	1.6	0.3	0.4	9.8	9.5	8.1	7.9	2.8
16	0.3	0.2	0.4	0.3	1.1	1.1	0.4	9.8	9.5	8.1	8.1	2.8
17	0.3	0.3	0.4	0.3	0.8	0.5	5.6	9.8	9.5	8.1	8.1	2.8
18	0.3	0.3	0.4	0.4	0.6	0.4	9.0	9.8	9.5	8.1	8.1	2.7
19	0.2	0.3	0.4	1.5	0.5	0.4	9.0	9.8	9.3	8.1	8.1	2.7
20	0.2	0.3	0.4	1.2	0.5	1.2	9.0	9.5	9.0	8.1	8.1	2.6
21	0.2	0.4	0.4	1.0	0.5	0.6	9.0	9.5	9.3	8.1	8.1	2.6
22	0.2	0.4	0.4	0.9	0.4	0.6	9.3	9.5	9.0	8.1	8.1	2.5
23	0.2	0.4	0.4	0.7	0.4	0.6	9.3	9.5	9.0	8.1	7.9	2.0
24	0.2	0.4	0.4	1.5	0.4	0.6	9.3	9.5	9.0	8.1	7.9	16.3
25	0.2	0.4	0.3	9.4	5.5	0.6	9.3	9.5	9.0	8.1	7.9	15.9
26	0.2	0.4	0.3	8.8	9.9	0.5	9.3	9.8	9.0	8.3	7.9	14.8
27	0.2	0.5	0.3	3.9	9.5	0.5	9.3	9.8	9.0	8.3	7.9	13.6
28	0.2	0.4	0.3	3.8	9.0	0.4	9.5	9.8	9.3	8.3	7.9	12.2
29	0.2	0.4	0.3	2.6		0.5	9.5	9.8	9.3	8.3	7.9	10.4
30	0.2	0.4	0.2	2.5		1.0	9.5	9.5	9.3	8.3	7.9	12.7
31	0.2	0.2	0.2	1.0		0.5	9.3	9.3	8.1	8.1	7.9	
	21.7	8.9	12.3	300.9	355.6	250.1	132.3	297.0	275.3	257.8	248.3	532.7
MEAN	0.70	0.30	0.40	9.71	12.7	8.07	4.41	9.58	9.18	8.32	8.01	17.8
ACRE- FEET	43.	18.	24.	597.	705.	496.	263.	589.	546.	511.	492.	1060.
Remarks:										YEAR OR PERIOD	MEAN ACRE-FEET	7.38 5340.

7474M Cb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F168-R

Daily discharge, in second-feet of **BIG TUJUNGA CREEK below Big Tujunga Dam** for the year ending September 30, 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	13.3	0.8	0.5	0.8	0.6	0.6	0.5	1.2	5.6	4.6	6.6	10.7
2	9.8	0.4	0.7	0.6	0.6	0.6	0.5	0.9	5.6	4.6	7.0	10.7
3	10.4	0.4	0.7	0.6	0.6	0.6	0.5	0.8	5.6	4.6	7.2	10.4
4	11.0	0.3	0.6	0.6	0.6	0.6	0.6	0.7	5.6	4.6	7.4	10.4
5	5.5	0.2	0.5	0.6	0.6	0.5	0.6	0.7	5.6	4.6	7.4	10.1
6	0.2	0.2	0.5	0.7	0.6	0.5	0.5	0.7	5.6	4.6	7.4	10.1
7	0.2	0.2	0.5	0.6	0.6	0.5	0.5	0.9	5.4	4.6	7.6	10.1
8	0.2	0.2	0.4	0.6	0.6	0.4	0.5	0.9	5.4	4.6	7.6	9.8
9	0.3	0.2	0.5	0.6	0.6	0.4	0.5	0.9	5.4	4.7	7.9	9.8
10	0.3	0.2	0.6	1.0	0.6	0.6	0.5	0.8	5.3	4.7	8.1	9.8
11	0.4	0.7	0.5	0.8	0.6	0.6	0.5	0.9	5.3	4.7	8.3	9.5
12	0.3	0.2	0.5	0.7	0.6	0.5	0.5	0.8	5.2	4.7	8.1	9.3
13	2.0	0.2	0.5	0.6	0.6	0.5	0.5	0.7	5.2	4.7	7.6	9.3
14	0.3	0.2	0.5	0.6	0.6	0.5	0.5	0.6	5.1	6.0	7.2	9.3
15	0.1	0.2	0.5	0.6	0.6	0.5	0.5	0.6	5.1	6.1	7.0	9.3
16	v 0.1	0.3	0.5	0.8	0.7	0.5	0.5	0.5	5.1	6.0	6.7	10.9
17	v 0.1	0.3	0.5	0.6	0.8	0.5	0.5	0.5	5.1	6.1	6.5	13.3
18	0.1	0.3	0.5	1.5	0.7	0.5	0.5	0.5	4.9	6.0	6.3	13.3
19	v 0.1	0.4	0.5	1.1	0.7	0.5	0.5	0.5	4.9	6.0	6.3	13.6
20	v 0.3	0.4	0.5	0.9	0.6	0.5	0.5	0.5	4.9	6.0	6.3	14.0
21	0.5	0.4	0.5	0.8	0.5	0.5	0.6	3.5	4.8	6.1	6.3	14.0
22	0.6	0.4	0.6	0.6	0.6	0.5	0.6	6.0	4.8	6.1	6.3	14.0
23	0.6	0.4	0.6	0.6	0.6	0.5	0.6	6.0	4.8	6.1	6.3	14.0
24	0.7	0.4	0.6	0.6	0.6	0.5	0.6	6.1	4.8	6.1	6.6	14.0
25	0.7	0.5	0.6	0.6	0.5	0.5	0.5	6.1	4.7	6.1	7.0	13.6
26	4.0	0.5	0.7	0.6	0.7	0.5	0.5	6.1	4.7	6.1	7.0	13.6
27	1.5	0.5	0.7	0.6	0.8	0.4	0.5	6.1	4.7	6.1	7.0	13.0
28	1.3	0.5	0.8	0.6	0.7	0.5	0.5	6.1	4.7	6.1	7.0	14.0
29	1.1	0.5	0.7	0.5		0.5	0.6	6.1	4.6	6.1	9.1	15.5
30	1.1	0.5	0.7	0.6		0.5	1.3	6.3	4.6	6.1	11.0	15.2
31	1.1		0.7	0.6		0.5		5.7		6.1	10.7	
	68.2	10.9	17.5	21.6	17.5	15.8	16.5	78.7	153.1	170.0	228.8	354.6
MEAN	2.20	0.36	0.56	0.70	0.62	0.51	0.55	2.54	5.10	5.48	7.38	11.8
ACRE- FEET	135.	22.	35.	43.	35.	31.	33.	156.	304.	337.	454.	703.
Remarks:										YEAR OR PERIOD	MEAN ACRE-FEET	3.16 2290.

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, 1953 TO SEPTEMBER 30, 1955.

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, 1955. (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:

1953-54

MAXIMUM 387 SECOND-FOOT JANUARY 25.

MINIMUM 0.6 SECOND-FOOT DECEMBER 18 TO 20.

1954-55

MAXIMUM 73 SECOND-FOOT JANUARY 18.

MINIMUM 1.1 SECOND-FOOT AT TIMES IN OCTOBER, NOVEMBER AND DECEMBER.

1916-1955

MAXIMUM 50,000 SECOND-FOOT 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

above Gold Canyon

DURING THE YEAR ENDING SEPTEMBER 30, 1954

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. DD	MEAN SEC. NO.	S. HT. CHANGE TOTAL	METER NO.
1376	1-25	1610 0627	" "	68.0	65.6	2.78	9.37	183.			.6 17	+.01	"
1377	1-27	1053 1170	SPELLMAN-BLAKELY	40.0	35.2	1.61	8.88	56.8			.6 12	0	"
1378	2-3	1410 1420	BLAKELY	15.0	11.3	0.44	8.36	5.0			.6 9	0	FC53
1379	2-10	1514 1522	"	25.0	5.98	0.63	8.31	3.8			.5 8	0	"
1380	2-13	2210 2225	HYDE-OCAMPO	65.0	59.0	2.90	9.34	171.			.6 10	+.08	FC35
1381	2-14	1340 1356	"	36.0	38.4	1.93	8.99	74.2			.6 16	0	"
1382	2-16	1010 1024	BLAKELY	37.0	21.5	0.94	8.61	20.2			.5 11	0	FC24
1383	2-17	1430 1438	"	31.0	11.9	1.22	8.55	14.6			.6 10	0	"
1384	2-24	1520 1528	"	26.5	8.17	0.87	8.40	7.1			.5 9	0	FC28
1385	2-26	0902 0920	"	41.0	43.4	2.33	9.11	101.			.6 20	0	FC24
1386	3-1	1306 1316	BLAKELY-HYDE	42.0	50.0	3.00	9.27	150.			.6 13	0	"
1387	3-2	1268 1288	"	42.0	47.3	3.21	9.29	152.			.6 14	0	"
1388	3-3	1520 1530	BLAKELY	28.0	10.8	1.17	8.53	12.6			.5 11	0	"
1389	3-10	1231 1239	"	26.0	7.16	0.67	8.37	4.8			.5 8	0	FC53
1390	3-16	2155 2217	HYDE-OCAMPO	40.0	32.3	1.77	8.97	57.3			.6 19	+.05	FC35
1391	3-17	0828 0845	HYDE	27.5	11.5	1.35	8.61	15.5			.5 15	0	"
1392	3-20	0340 0406	DE MARS-BLAKE	31.5	15.7	0.60	8.52	9.4			.5 19	+.02	FC34
1393	3-20	1030 1055	"	36.5	26.4	1.38	8.72	36.5			.5 20	0	"
1394	3-24	0930 0958	GODFREY	17.0	13.3	0.84	8.56	11.2			.6 11	0	FC28
1395	3-30	0242 0250	BLAKELY	42.5	39.3	2.24	9.04	88.0			.5 12	+.04	FC24
1396	3-30	1434 1442	BLAKELY-BLAKE	36.5	25.6	1.37	8.80	35.0			.6 11	0	"
1397	4-6	0750 0810	HYDE	27.0	10.7	1.27	8.56	13.6			.5 16	0	FC35
1354	10-7	1220 1226	BLAKELY	3.8	1.7	0.94	8.20	1.1			.5 6	0	FC24
1355	10-14	1354 1400	"	6.3	1.86	0.75	8.19	1.4			.5 7	0	"
1356	10-21	1454 1458	"	4.0	1.06	0.83	8.19	0.88			.5 5	0	"
1357	10-28	1532 1536	"	4.5	1.16	0.95	8.19	1.1			.5 6	0	"
1358	11-4	1620 1626	"	4.6	1.12	0.80	8.20	0.90			.5 6	0	"
1359	11-9	1214 1218	"	4.3	1.0	0.74	8.19	0.74			.5 5	0	"
1360	11-14	1555 1606	HYDE-OCAMPO	10.0	3.74	0.86	8.29	3.2			.5 10	0	FC35
1361	11-18	1536 1544	BLAKELY	9.0	2.80	0.42	8.21	1.2			.5 8	0	FC24
1362	11-25	1512 1520	BLAKELY-SPELLMAN	4.5	1.09	0.76	8.21	0.83			.5 6	0	FC53
1363	12-2	1060 1069	BLAKELY	6.7	1.25	0.80	8.24	1.0			.5 9	0	"
1364	12-10	1513 1521	"	7.5	1.67	0.90	8.27	1.5			.5 9	0	"
1365	12-16	1420 1428	"	9.0	1.41	0.92	8.27	1.3			.5 10	0	"
1366	12-23	0848 0858	HYDE	4.0	1.35	0.71	8.28	0.96			.5 8	0	FC35
1367	1-1	1500 1508	BLAKELY	9.0	1.97	0.86	8.30	1.7			.5 10	0	FC53
1368	1-6	1420 1428	"	8.3	1.64	1.15	8.30	1.9			.5 9	0	"
1369	1-12	1515 1530	HYDE	8.0	2.19	1.10	8.34	2.4			.5 9	0	"
1370	1-13	1034 1042	BLAKELY	8.0	1.84	0.98	8.32	1.8			.5 9	0	FC24
1371	1-19	0833 0918	HYDE-OCAMPO	20.5	13.2	1.56	8.75	20.7			.6 14	0	FC35
1372	1-19	1703 1726	"	36.0	30.4	1.60	8.92	48.7			.6 15	0	"
1373	1-19	2129 2147	"	37.5	31.0	1.76	8.96	54.6			.6 18	+.02	"
1374	1-20	1250 1315	"	33.5	17.2	1.09	8.62	18.8			.5 19	0	"
1375	1-25	0008 0020	BLAKELY-SPELLMAN	66.0	76.0	3.88	9.54	295.			.6 10	0	FC24



FD-111 Gb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F213-R

Daily discharge, in second-feet of BIG TUJUNGA CREEK above Gold Canyon for the year ending September 30, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.8	0.8	1.0	1.6	6.6	12.3	20	14	13	9.0	7.2	6.0
2	2.4	1.0	1.0	1.6	5.6	13.2	17	14	13	9.0	7.8	6.0
3	1.8	0.8	1.2	1.8	5.2	17	14	14	14	9.0	8.4	6.0
4	1.4	1.0	1.6	1.8	5.2	8.4	14	14	13	8.4	9.6	6.0
5	1.2	1.0	1.6	1.6	4.8	6.0	14	14	12	7.8	1.0	6.0
6	1.0	1.2	1.6	1.6	4.8	5.6	13	14	11	7.8	1.0	6.0
7	1.0	0.8	1.8	2.0	4.0	4.8	11	14	11	7.8	1.0	6.0
8	0.8	0.8	1.8	2.0	4.0	4.8	10	14	11	7.8	9.6	9.1
9	0.8	0.8	1.6	1.6	4.0	4.8	9.6	14	11	7.8	9.0	2.1
10	0.8	0.8	1.6	1.6	4.0	4.8	9.6	14	11	7.8	9.0	2.2
11	1.0	0.8	1.6	1.6	4.0	4.4	10	14	11	8.4	9.0	2.4
12	1.2	0.8	1.8	2.0	4.0	3.6	10	14	11	8.4	9.0	2.4
13	1.4	0.8	1.6	1.8	5.0	3.6	8.4	14	11	8.4	9.0	2.7
14	1.4	1.6	1.6	1.8	5.5	3.2	9.6	14	11	9.0	9.0	2.4
15	1.4	1.4	1.6	1.8	2.7	3.6	8.4	14	11	9.0	8.4	2.3
16	1.2	1.2	1.6	1.8	1.9	2.1	7.2	14	11	8.4	8.4	2.3
17	1.0	1.2	1.4	1.8	1.4	1.5	8.4	14	11	8.4	8.4	2.3
18	0.6	1.2	1.4	2.4	1.3	7.2	1.6	13	10	7.8	8.4	2.3
19	0.6	1.2	1.4	2.9	1.1	5.6	1.7	13	10	7.8	8.4	2.3
20	0.6	1.2	1.4	2.2	1.0	2.2	1.7	13	9.6	7.8	8.4	2.3
21	0.8	1.2	1.0	9.0	9.6	1.5	17	14	9.0	7.2	8.4	2.3
22	0.8	1.2	0.8	5.6	8.4	1.5	17	13	10	7.8	7.8	2.2
23	1.0	1.0	1.0	4.8	8.4	1.4	17	13	10	7.8	7.8	2.2
24	1.0	1.0	1.0	4.2	7.2	1.5	17	12	10	7.8	7.8	1.8
25	1.0	0.8	1.0	2.2	3.8	2.2	1.7	12	10	7.8	7.2	1.7
26	1.2	0.8	1.0	12.4	10.2	1.4	1.6	12	10	7.2	7.8	1.6
27	1.2	0.8	1.0	5.6	10.2	1.2	1.6	13	10	7.2	7.2	1.4
28	1.2	1.0	1.4	4.8	9.9	1.1	1.6	13	10	7.2	6.6	1.4
29	1.2	1.0	1.6	3.9		1.3	1.6	13	9.6	6.6	6.0	1.3
30	1.2	1.0	1.6	1.1		4.9	1.5	13	9.0	6.6	6.0	1.3
31	1.2	1.0	1.6	7.2		2.6	1.3	1.3		7.2	6.0	
	36.2	30.0	42.6	65.7	629.8	606.4	408.2	418	325.2	246.6	255.6	503.1

MEAN	1.17	1.00	1.38	21.2	22.5	19.6	13.6	13.5	10.8	7.95	8.25	16.8
ACRE-FOOT	72.	60.	85.	1300.	1250.	1200.	810.	829.	645.	489.	507.	998.

Remarks: YEAR OR PERIOD MEAN ACRE-FOOT 11.4 8240.

FD-111 Gb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

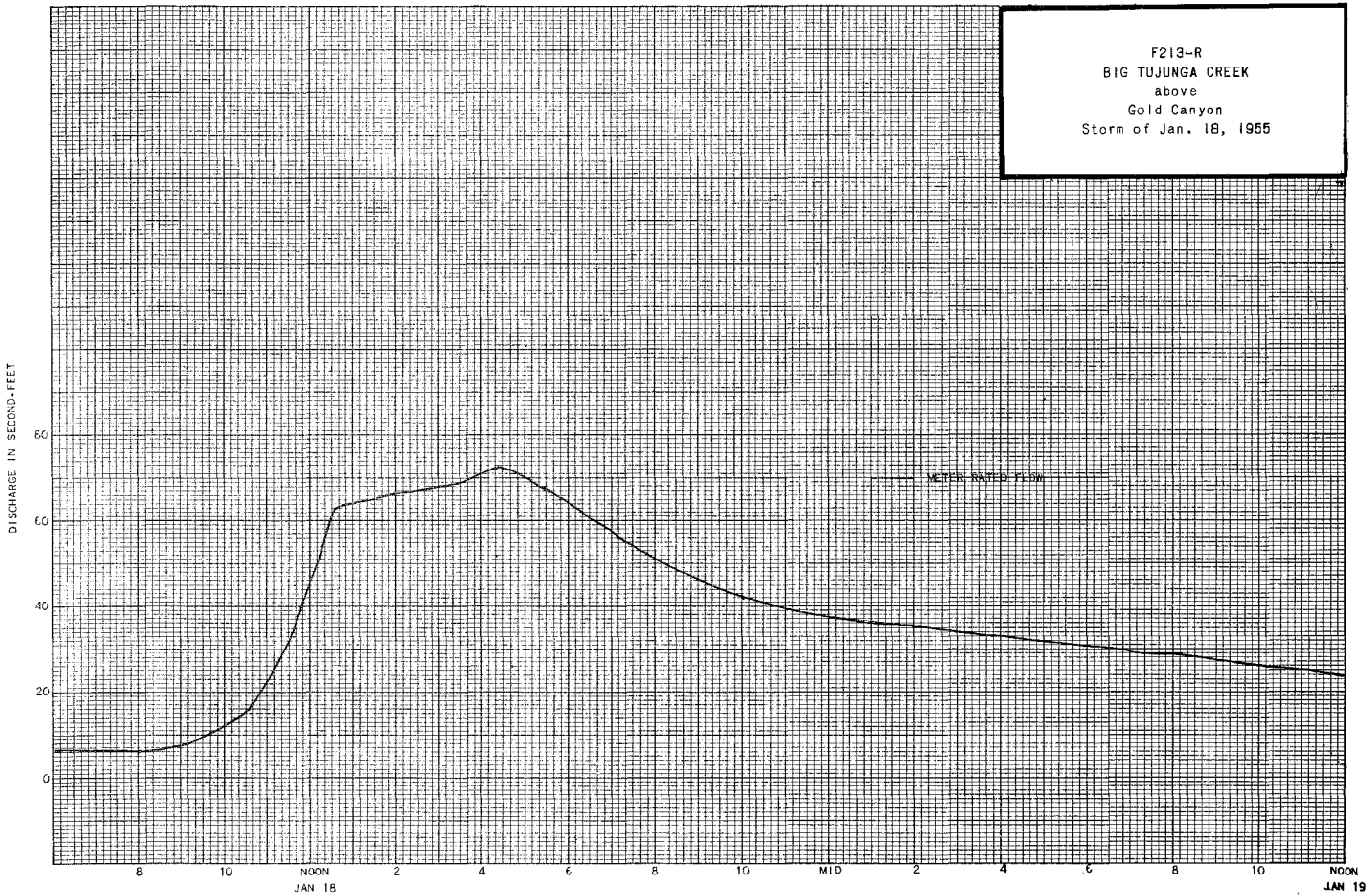
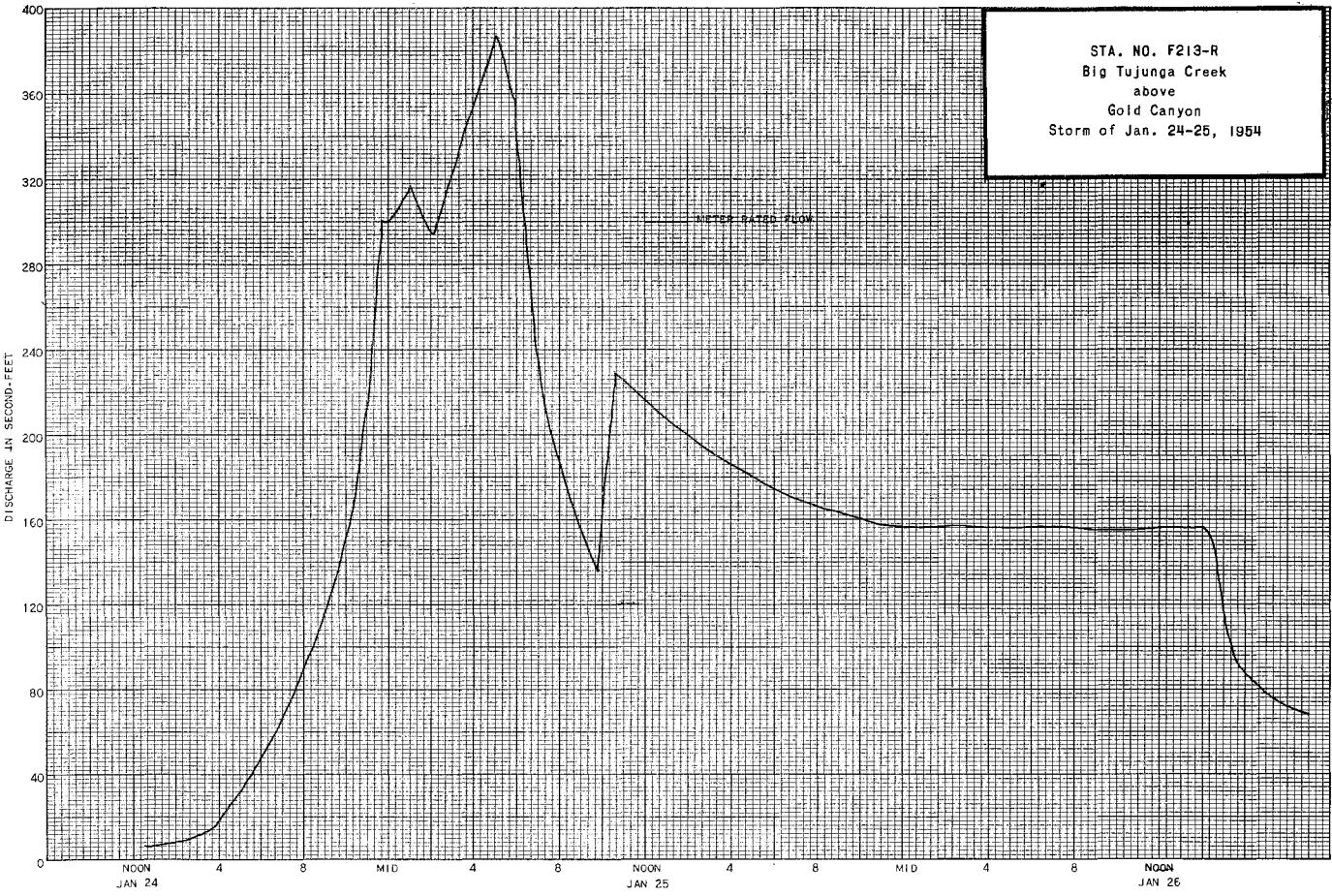
Sta. No. F213-R

Daily discharge, in second-feet of BIG TUJUNGA CREEK above Gold Canyon for the year ending September 30, 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.6	1.4	1.1	2.6	4.5	5.2	1.8	2.9	8.2	5.2	5.7	9.1
2	1.3	1.4	1.1	4.5	4.0	4.8	2.0	1.4	7.4	5.7	5.7	9.1
3	1.0	1.5	1.5	3.4	4.0	4.8	2.0	9.7	6.5	5.7	6.1	9.7
4	1.2	1.5	2.0	2.9	3.7	4.5	2.0	7.8	6.1	5.7	7.8	10.0
5	1.0	1.5	2.0	2.6	3.4	4.3	1.8	7.0	6.1	6.1	7.8	10.0
6	4.5	1.4	1.8	3.4	3.7	4.0	1.8	6.1	6.1	5.2	7.0	10.0
7	3.7	1.4	2.0	4.5	3.7	3.7	1.8	9.7	6.1	5.2	7.0	9.7
8	2.6	1.2	2.0	3.7	3.7	3.7	1.8	7.4	6.1	5.2	6.5	9.7
9	1.8	1.2	2.3	4.0	3.7	3.7	1.7	5.7	5.7	4.8	6.5	10.0
10	1.7	1.1	5.0	1.7	3.4	4.0	1.7	4.5	6.1	5.2	6.1	10.0
11	1.5	4.3	3.7	8.7	3.4	5.7	1.7	3.4	6.1	4.8	6.1	10.0
12	1.4	2.1	2.9	5.7	3.4	4.3	1.7	2.9	5.7	4.8	6.1	9.7
13	2.3	1.8	2.4	4.8	3.4	7.8	1.7	2.9	6.1	4.5	6.1	9.1
14	3.0	1.7	2.4	4.3	3.4	3.4	1.5	2.9	6.5	4.8	5.7	9.1
15	1.7	1.4	2.1	4.3	3.4	3.4	1.5	2.9	6.1	5.2	4.8	9.1
16	1.4	1.5	2.0	8.7	3.7	3.2	1.4	2.9	6.1	4.8	4.8	9.7
17	1.4	1.4	1.8	6.5	5.7	2.9	1.5	2.6	5.7	4.8	4.8	1.3
18	1.2	1.2	1.8	3.3	4.3	2.9	1.4	2.4	5.2	4.8	4.8	1.4
19	1.2	1.2	1.7	2.4	4.0	2.9	1.4	2.4	5.2	5.7	4.8	1.4
20	1.2	1.2	1.7	1.5	3.4	2.9	1.4	2.6	5.2	6.1	4.8	1.4
21	1.2	1.2	1.7	1.0	3.4	2.9	1.5	2.9	4.8	6.1	4.8	1.4
22	1.2	1.2	1.7	8.2	3.2	2.9	2.4	4.8	4.5	5.7	4.8	1.5
23	1.2	1.2	1.7	7.0	2.9	2.9	2.0	7.0	4.5	5.7	5.2	1.5
24	1.2	1.2	1.7	6.1	2.9	2.9	2.0	7.4	4.8	5.7	5.2	1.5
25	1.2	1.2	1.8	5.2	3.2	2.6	2.1	7.8	5.2	5.7	7.0	1.4
26	1.1	1.2	1.7	4.3	3.2	2.4	2.1	7.8	5.2	5.7	7.0	1.4
27	2.8	1.2	1.7	4.3	6.4	1.8	2.4	7.8	5.2	5.7	7.0	1.2
28	1.2	1.1	1.7	4.0	6.5	1.8	2.1	7.4	5.2	4.8	7.0	1.2
29	1.2	1.1	2.0	4.0		1.8	2.1	7.4	5.2	4.8	6.5	1.3
30	1.1	1.1	2.0	3.7		2.0	2.3	8.2	5.2	4.8	8.2	1.3
31	1.2		2.1	4.8		1.8		8.7		5.2		
	106.2	43.1	63.1	225.2	107.6	107.9	75.8	206.0	173.0	164.2	190.4	345.0

MEAN	3.43	1.44	2.04	7.26	3.84	3.48	2.53	6.65	5.77	5.30	6.14	11.5
ACRE-FOOT	211.	85.	125.	447.	213.	214.	150.	409.	343.	326.	378.	684.

Remarks: YEAR OR PERIOD MEAN ACRE-FOOT 4.95 3580.



STATION E20C-R  
TUJUNGA WASH at Glen Oaks Boulevard

LOCATION: WATER STAGE RECORDER, LAT. 34°15'10", LONG. 118°23'20" ON LEFT (EAST) BANK OF OUTLET CHANNEL AT HANSEN DAM 0.1 MILE ABOVE GLEN OAKS BOULEVARD. ALTITUDE OF GAGE 944 FEET.

DRAINAGE AREA: 148 SQUARE MILES.

RECORDS AVAILABLE: OCTOBER 1940 TO SEPTEMBER 1955, APRIL 1932 TO SEPTEMBER 1940 (FRAGMENTARY).

EXTREMES:

1953-54  
MAXIMUM DISCHARGE 50 SECOND-FEET MARCH 2, (GAGE HEIGHT 1.20 FEET.)  
MINIMUM DAILY DISCHARGE, NO FLOW DURING SEVERAL MONTHS

1954-55  
MAXIMUM DISCHARGE 8.9 SECOND-FEET MAY 7, (GAGE HEIGHT, 1.04 FEET.)  
MINIMUM DAILY DISCHARGE, NO FLOW DURING MOST OF YEAR.

1940-55  
MAXIMUM DISCHARGE ABOUT 3000 SECOND-FEET JANUARY 24, 25, 1952. NO FLOW DURING PARTS OF EACH YEAR.

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

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

DISCHARGE MEASUREMENTS OF TUJUNGA WASH  
AT NEAR Glen Oaks Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 1954

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAT- ING	METH- OD	HEAR- ING NO.	D. HT. CHANGE TOTAL	METER NO.
129	3-2		U.S.G.S.	27.0	37.1	1.27	1.19	47.1		6 2 8 2 8	20	0	
130	3-2		"	25.1	32.1	1.48	1.19	47.4		6 2 8 2 8	27	0	
131	3-2		"				1.08	17.7					
132	3-31		"				1.00	1.1		SUR- VEL.			
133	4-8		"				0.99	0.5		EST.			
134	4-15		"				0.98	0.2		"			
135	4-30		"				0.7	0.002		"			

DISCHARGE MEASUREMENTS OF TUJUNGA WASH  
AT NEAR above Glen Oaks Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 1955

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAT- ING	METH- OD	HEAR- ING NO.	D. HT. CHANGE TOTAL	METER NO.
136	1-6		U.S.G.S.				0.98	0.02		EST.			
137	5-2		"					0.01		EST.			

FD-74M Cb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. E20-C-R

Daily discharge, in second-feet of TUJUNGA WASH at Glen Oaks Boulevard for the year ending September 30, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	3.0	0	0	0	0	0	0
2	0	0	0	0	0	3.0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	1.2	0	0	0	0	0	0	0	0	0
5	0	0	0.5	0	0	3.5	0	0	0	0	0	0
6	0	0	0.2	0	0	0	0.5	0	0	0	0	0
7	0	0	0.2	0	0	0	0.5	0	0	0	0	0
8	0	0	0	0	0	0	0.5	0	0	0	0	0
9	0	0	0	0	0	0	0.5	0	0	0	0	0
10	0	0	0	0	0	0	0.5	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	3.4	0	0	0	0	0	0	0	0
13	0	0	0	3.2	1.1	0	0	0	0	0	0	0
14	0	1.9	0	3.2	1.5	0	0	0	0	0	0	0
15	0	0	0	1.5	0.2	0	0	0	0	0	0	0
16	0	0.5	0	1.5	0.5	0.1	0	0	0	0	0	0
17	0	0.2	0	2.6	0.2	0	0	0	0	0	0	0
18	0	0	0	5.5	0.2	0	0	0	0	0	0	0
19	0	0	0	9.4	0.2	0	0	0	0	0	0	0
20	0	0.2	0	5.0	0.2	0.5	0	0	0	0	0	0
21	0	0.2	0	0	0	0	0	0	0	0	0	0
22	0	0	0	3.2	0.2	1.1	0	0	0	0	0	0
23	0	0	0	3.4	0.2	1.5	0	0	0	0	0	0
24	0	0	0	3.9	0.2	1.5	0	0	0	0	0	0
25	0	0	0	3.9	0.2	1.5	0	0	0	0	0	0
26	0	0	0	3.2	0.5	1.0	0	0	0	0	0	0
27	0	0	0	3.2	3.2	1.0	0	0	0	0	0	0
28	0	0	0	0	0	1.0	0	0	0	0	0	0
29	0	0	0	0	0	1.0	0	0	0	0	0	0
30	0	0	0	0	0	1.0	0	0	0	0	0	0
31	0	0	0	0	0	0.5	0	0	0	0	0	0
	0	4.5	2.1	69.1	12.8	27.8	7.7	0	0	0	0	0

MEAN	0	0.15	0.07	2.23	0.46	0.90	0.26	0	0	0	0	0
ACRE-FOOT	0	8.9	4.2	137.	25.	55.	15.	0	0	0	0	0
Remarks:												
								YEAR OR PERIOD	MEAN	0.34		
									ACRE-FOOT	245.		

FD-74M Cb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. E20C-R

Daily discharge, in second-feet of TUJUNGA WASH above Glen Oaks Boulevard for the year ending September 30, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	1.5	0	0	0	0
2	0	0	0	0	0	0	0	0.1	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0.2	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	1.6	0	0	0	0
8	0	0	0	0	0	0	0	0.5	0	0	0	0
9	0	0	0.1	0	0	0	0	0.2	0	0	0	0
10	0	0.1	0	0.6	0	0.1	0	0.2	0	0	0	0
11	0	0.4	0	0	0	0.1	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	0.3	0.1	0	0	0	0	0	0	0
17	0	0	0	0	0.1	0	0	0	0	0	0	0
18	0	0	0	1.1	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	0.4	0	0	0	0	0
22	0	0	0	0	0	0	0.5	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	0.2	0	0	0	0	0
27	0	0	0	0	0.1	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	1.9	0	0	0	0	0
31	0	0	0	0.1	0	0	0	0	0	0	0	0
	0	0.5	0.1	2.3	0.3	0.2	2.8	4.1	0	0	0	0

MEAN	0	0.02	0.003	0.07	0.01	0.006	0.09	0.13	0	0	0	0
ACRE-FOOT	0	1.0	0.2	4.6	0.6	0.4	5.6	8.1	0	0	0	0
Remarks:												
								YEAR OR PERIOD	MEAN	0.03		
									ACRE-FOOT	20.		

STATION F105B-R  
TUJUNGA WASH below Moorpark Street

LOCATION: WATER-STAGE RECORDER, LAT. 34°08'58", LONG 118°23'26", 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 577.76 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, 1936 FLOOD. REINSTALLED ON OCTOBER 17, 1936 AND REMOVED ON MARCH 24, 1949. RECORDER INSTALLED ON MARCH 22, 1950 AT STATION F105B-R OVER A 46-INCH DIAMETER CONCRETE STILLING WELL. A STEVENS TYPE A35-B RECORDER WAS IN SERVICE FROM OCTOBER 1, 1953 TO SEPTEMBER 30, 1955.

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 AT MOUTH OF BIG TUJUNGA CANYON AND BELOW HANSEN DAM.

RECORDS AVAILABLE: AUGUST 1930 TO FEBRUARY 17, 1936, OCTOBER 17, 1936 TO MARCH 24, 1949 AND MARCH 22, 1950 TO SEPTEMBER 30, 1955. NO RECORD AVAILABLE FROM MARCH 24, 1949 TO MARCH 22, 1950 DUE TO CHANNEL CONSTRUCTION.

EXTREMES OF DISCHARGE:

1953-54

MAXIMUM 1000 SECOND-FEET JANUARY 19.

MINIMUM NO FLOW PART OF YEAR.

1954-55

MAXIMUM 1040 SECOND-FEET JANUARY 10.

MINIMUM NO FLOW PART OF YEAR.

1930-55

MAXIMUM DISCHARGE NOT DETERMINED MARCH 2, 1936.

MAXIMUM DISCHARGE OF RECORD 3260 SECOND-FEET JANUARY 24, 1952. (RELEASE FROM HANSEN DAM.)

MINIMUM NO FLOW.

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

ACCURACY: GOOD, EXCEPT FOR LOW FLOWS.

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

DISCHARGE MEASUREMENTS OF TUJUNGA WASH  
below Moorpark Street DURING THE YEAR ENDING SEPTEMBER 30, 1954

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAT. INB	METH. CD	MEAN REC. NO.	D. CHANGE TOTAL	METER NO.
18	11-15	0907 0912	LUCE-LEMAR	7.5	1.25	1.36		1.7		.5	9		FC41
19	1-12	1827 1845	" "	69.8	31.9	4.14	0.36	132.		.5	16	-.03	"
20	1-25	0907 0935	" "	15.5	3.88	4.95	0.08	19.2		.5	9	0	"
21	2-14	1718 1723	" "	8.0	1.22	4.43	0.03	5.4		.5	7	0	"
22	2-18	1050 1055	LUCE	5.0	0.57	2.28	0.01	1.3		.5	7	0	"
23	3-30	0700 0710	BLAKELY-LEMAR	70.0	29.0	5.52	0.34	160.		.5	9	-.02	FC24
24	3-22	1615 1627	LUCE	28.0	9.82	5.50	0.16	54.0		.5	11	0	FC41
25	3-25	1035 1040	"	4.5	0.60	4.17	0.03	2.5		.5	6	0	"
26	3-30	0910 0915	LUCE-LEMAR	9.5	2.12	1.98	0.03	4.2		.5	8	0	"

DISCHARGE MEASUREMENTS OF Tujunga Wash  
below Moorpark Street DURING THE YEAR ENDING SEPTEMBER 30, 1955

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAT. INB	METH. CD	MEAN REC. NO.	D. CHANGE TOTAL	METER NO.
27	1-10	1530 1538	LUCE-FRIEDERICK	8.5	1.25	4.32	0.05	5.4		.5	10	0	FC41
28	1-16	1370 1375	" "	14.0	3.07	4.79	0.08	14.7		.6	9	0	"
29	2-17	0835 0840	LUCE	11.0	2.79	2.58	0.03	7.2		.5	7	0	"
30	2-27	1626 1635	LUCE-FRIEDRICH	12.0	2.05	4.68	0.06	9.6		.6	9	0	"
31	3-11	0858 0906	LUCE	17.0	3.75	6.22	0.09	19.6		.5	10	0	"



76714M Cb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F1058-R

Daily discharge, in second-feet of TUJUNGA WASH below Moorpark Street for the year ending September 30, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	+	+	0.4	+	+	0	0	0
2	0	0	0	0	+	2.6	0.4	+	+	0	0	0
3	0	0	0	0	+	+	0.3	+	+	0	0	0
4	0	0	5.7	+	+	+	0.3	+	+	0	0	0
5	0	0	+	+	+	+	0.3	+	+	0	0	0
6	0	0	+	+	+	+	0.2	+	+	0	0	0
7	0	0	+	+	+	+	0.2	+	+	0	0	0
8	0	0	+	+	+	+	0.1	+	+	0	0	0
9	0	0	+	+	+	+	0.1	+	+	0	0	0
10	0	0	+	+	+	+	0.1	+	+	0	0	0
11	0	0	+	+	+	+	0.1	+	+	0	0	0
12	0	0	+	4.7	+	+	0.1	+	+	0	0	0
13	0	0	+	+	19.6	+	+	+	+	0	0	0
14	0	0	+	+	28	+	+	+	+	0	0	0
15	0	0	+	+	+	+	+	+	+	0	0	0
16	0	0	+	+	0	7.0	+	+	+	0	0	0
17	0	0	+	+	0	7.0	+	+	+	0	0	0
18	0	0	+	+	0	+	+	+	+	0	0	0
19	0	0	+	14.6	3.0	0.1	+	+	+	0	0	0
20	0	0	+	24.7	0	0.1	+	+	+	0	0	0
21	0	0	+	10.3	0	6.1	+	+	+	0	0	0
22	0	0	+	+	0	1.6	+	+	+	0	0	0
23	0	0	+	+	0	19.4	+	+	+	0	0	0
24	0	0	+	4.6	0	0.5	+	+	+	0	0	0
25	0	0	+	4.2	0	5.9	+	+	+	0	0	0
26	0	0	0	+	+	0.1	+	+	+	0	0	0
27	0	0	0	+	+	0.1	+	+	+	0	0	0
28	0	0	0	+	+	0.1	+	+	+	0	0	0
29	0	0	0	+	+	0.1	+	+	+	0	0	0
30	0	0	0	+	+	5.9	+	+	+	0	0	0
31	0	0	0	+	+	4.0	+	+	+	0	0	0
	0	52.0	5.7	406.9	227.0	234.8	2.9	+	+	0	0	0

MEAN	0	1.73	0.18	13.1	8.10	7.57	0.10	+	+	+	0	0
ACRE- FEET	0	103.	11.	807.	450.	466.	58.	+	+	+	0	0

Remarks: + = 0.05 cfs or less

YEAR OR PERIOD MEAN 2.62  
ACRE-FEET 1890.

76714M Cb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F1058-R

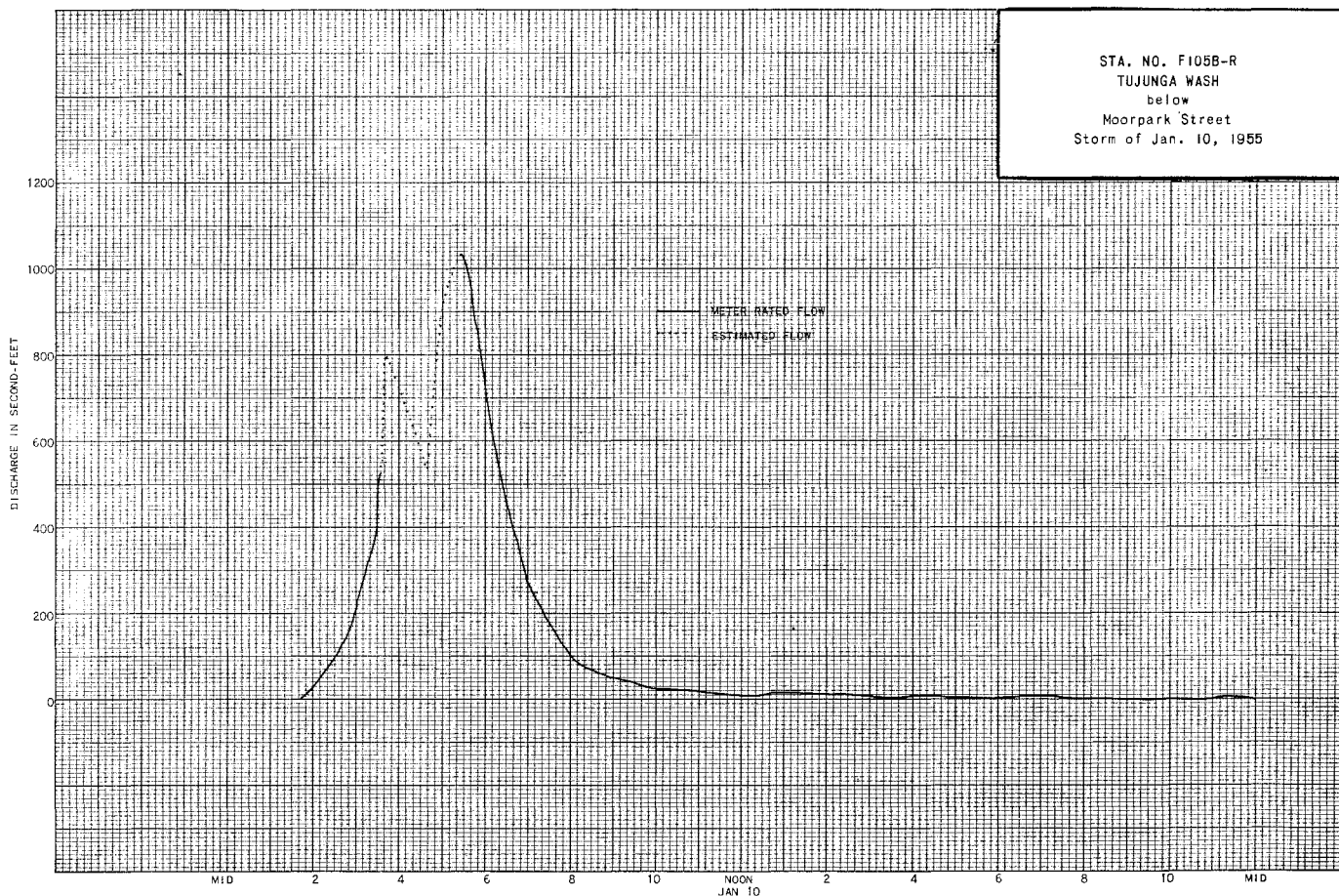
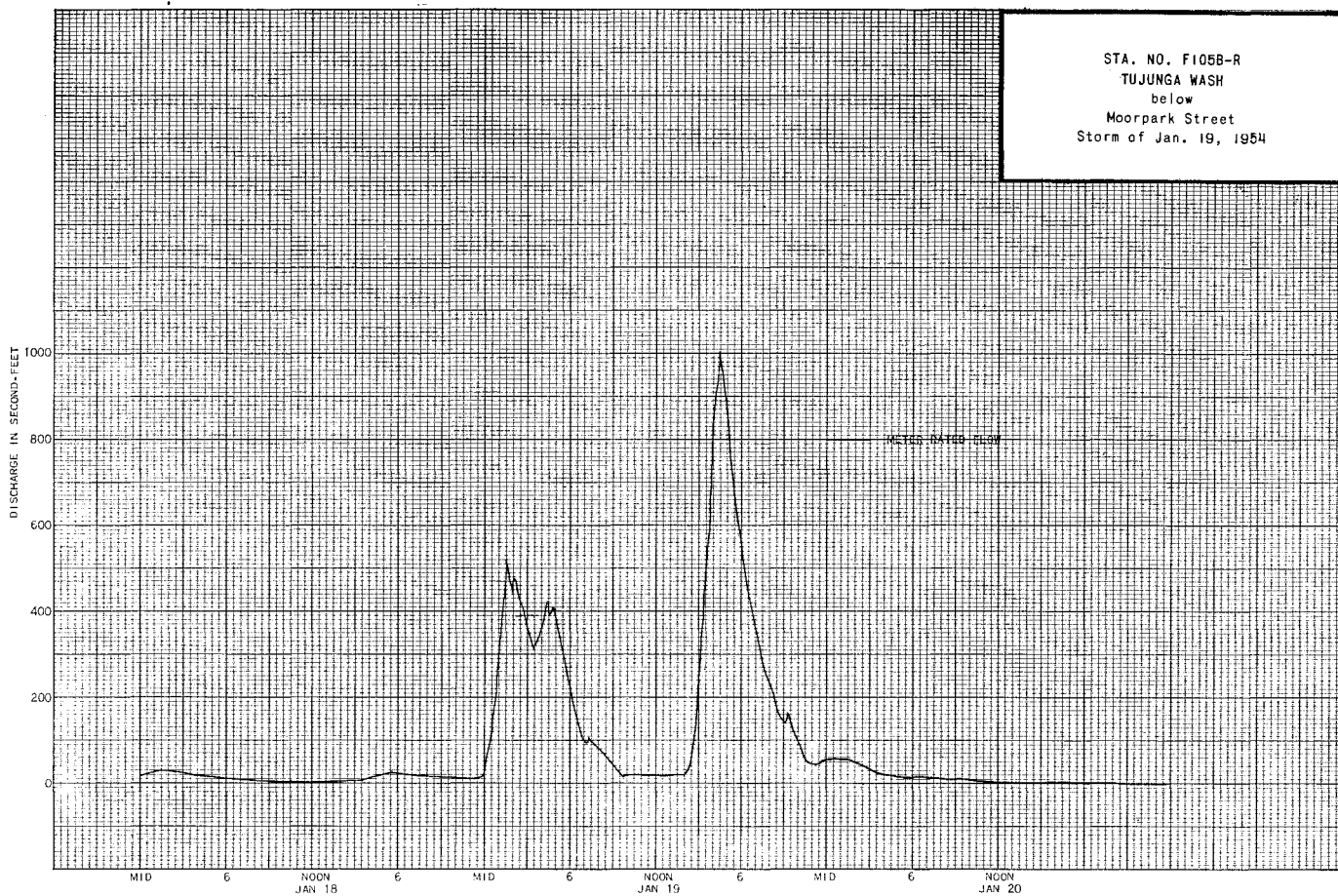
Daily discharge, in second-feet of TUJUNGA WASH below Moorpark Street for the year ending September 30, 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	12.8	0.1	+	+	2.2	0	0	0	0
2	0	0	0	0.2	+	+	+	0	0	0	0	0
3	0	0	10.3	+	+	+	+	0	0	0	0	0
4	0	0	0.3	+	+	+	0	0	0	0	0	0
5	0	0	0.2	+	+	+	0	0	0	0	0	0
6	0	0	0.1	4.2	+	+	0	0	0	0	0	0
7	0	0	0	+	+	+	+	0	0	0	0	0
8	0	0	0	+	+	0	+	0	0	0	0	0
9	0	0	3.9	+	+	0	+	0	0	0	0	0
10	0	0	8.7	13.4	+	6.1	+	0	0	0	0	0
11	0	a 3.2	b 0.1	+	+	9.1	+	+	0	0	0	0
12	0	a 0.1	+	+	+	+	+	+	0	0	0	0
13	0	+	+	0	+	+	+	+	0	0	0	0
14	0	+	+	0	+	+	+	+	0	0	0	0
15	0	+	0	0	+	+	+	+	0	0	0	0
16	0	+	0	a 4.7	9.1	4.4	0	0	0	0	0	0
17	0	0	0	+	2.8	+	0	0	0	0	0	0
18	0	0	0	15.2	+	+	0	0	0	0	0	0
19	0	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	6.2	0	0	0	0	0
22	0	0	0	+	+	0	2.7	0	0	0	0	0
23	0	0	0	+	+	0	0	0	0	0	0	0
24	0	0	0	+	+	0	0	0	0	0	0	0
25	0	0	0	+	+	0	0	0	0	0	0	0
26	0	0	0	+	+	0	18.0	0	0	0	0	0
27	0	0	0	+	2.2	+	0	0	0	0	0	0
28	0	0	0	+	0.2	+	0	0	0	0	0	0
29	0	0	0	+	+	+	0	0	0	0	0	0
30	0	0	0	11.3	+	+	6.7	0	0	0	0	0
31	0	0	0	18.4	+	+	+	0	0	0	0	0
	0	32.1	58.7	420.5	59.4	19.6	118.2	82.0	0	0	0	0

MEAN	0	1.07	1.89	13.0	2.12	0.63	3.94	2.65	0	0	0	0
ACRE- FEET	0	64.	116.	834.	118.	39.	234.	163.	0	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 2.17  
ACRE-FEET 1570.



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

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

DRAINAGE AREA: 6.86 SQUARE MILES.

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

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

RECORDER: INSTALLED AUGUST 1930 AT STATION F106-R. REMOVED MARCH 1936. INSTALLED TEMPORARILY MARCH 1936 AT STATION F106B-R AT CHANDLER BOULEVARD. REMOVED JULY 1936. REINSTALLED AUGUST 1936 AT STATION F106-R. REMOVED MARCH 2, 1938. REINSTALLED SEPTEMBER 25, 1939 AT STATION F186B-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, 1953 TO SEPTEMBER 30, 1955.

REGULATIONS AND/OR DIVERSIONS: NONE SINCE 1950.

RECORDS AVAILABLE:  
AT STATION F106B-R  
MARCH 20, 1936 TO JULY 29, 1936.  
SEPTEMBER 25, 1939 TO NOVEMBER 11, 1941.  
AT STATION F106-R  
AUGUST 1930 TO MARCH 18, 1936.  
AUGUST 20, 1936 TO MARCH 2, 1938.  
NOVEMBER 24, 1941 TO SEPTEMBER 30, 1955.

EXTREMES OF DISCHARGE:  
1953-54  
MAXIMUM 208 SECOND-Feet JANUARY 19.  
MINIMUM NO FLOW MOST OF YEAR.  
1954-55  
MAXIMUM 164 SECOND-Feet JANUARY 18.  
MINIMUM NO FLOW MOST OF YEAR.  
1930-55  
MAXIMUM DISCHARGE NOT DETERMINED MARCH 2, 1936.  
MAXIMUM DISCHARGE OF RECORD 3110 SECOND-Feet JANUARY 1, 1934.  
MINIMUM NO FLOW MOST OF EACH YEAR.  
1950-55  
MAXIMUM 333 SECOND-Feet NOVEMBER 15, 1952.  
MINIMUM NO FLOW MOST OF EACH YEAR.

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

DISCHARGE MEASUREMENTS OF TUJUNGA WASH - Central Branch  
AT Magnolia Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 19 56

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT- ING	METN. GD	MEAN REC. NO.	D. CHG.	MT. TOTAL	METER NO.
160	1-10	1315 1320	LUCE-FRIEDERICH	1.90	0.20	1.15	3.83	0.23		.5	5	-.01	FC41	
161	1-18	0945 1000	" "	44.4	27.4	3.43	4.45	94.0		.6	15	+.05	"	
162	2-16	1515 1527	LUCE				CHANNELS 4.05	16.9		.6	13	-.05	"	
163	2-27	0715 0725	"				4.04	13.6		.6	13	-.02	"	
164	4-30	1140 1152	"				3.96	11.4		.6	16	+.02	"	
165	4-30	1228 1240	"				4.15	31.8		.6	15	+.01	"	
166	5-7	0600 0614	"	24.0	10.2	2.99	4.13	30.6		.5	12	-.04	"	

DISCHARGE MEASUREMENTS OF TUJUNGA WASH - CENTRAL BRANCH  
AT Magnolia Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 19 54

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	METN. GD	MEAN REC. NO.	D. CHG.	MT. TOTAL	METER NO.
153	1-18	1655 1705	LUCE-LE MAR	21.0	5.67	1.71	4.29	9.7		.5	10	+.01	FC41	
154	1-25	0050 0100	" "	17.5	7.62	2.24	4.29	17.1		.5	7	+.01	"	
155	2-13	1030 1038	LUCE	12.0	5.99	2.77	4.42	16.6		.5	9	0	"	
156	2-13	1515 1530	LUCE-LE MAR	44.5	28.3	4.10	4.84	116.		.6	12	-.03	"	
157	2-14	0950 1001	" "	39.5	31.1	3.79	4.77	118.		.6	11	+.02	"	
158	3-20	0749 0747	BLAKELY-LE MAR				CHANNELS 4.16	10.3		.5	11	+.02	FC24	
159	3-22	1730 1735	LUCE	4.0	0.79	1.01	3.91	0.78		.5	8	+.02	FC41	

FORM Cb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F100-R

Daily discharge, in second-feet of TUJUNGA WASH CENTRAL BRANCH at Magnolia Boulevard for the year ending September 30, 1954

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	0.9	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	4.3	0	0	0	0	0	0	0	0
13	0	0	0	0	2.8	0	0	0	0	0	0	0
14	0	7.9	0	0	1.4	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0.2	0	1.0	0	0	0	0	0	0
17	0	0	0	0	0	3.0	0	0	0	0	0	0
18	0	0	0	3.3	0	0	0	0	0	0	0	0
19	0	0	0	4.0	0	0	0	0	0	0	0	0
20	0	0.3	0	1.3	0	1.1	0	0	0	0	0	0
21	0	0	0	0	0	1.7	0	0	0	0	0	0
22	0	0	0	0	0	2.7	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	2.1	0	3.1	0	0	0	0	0	0
25	0	0	0	1.3	0	1.0	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	0.9	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	3.9	0	0	0	0	0	0
30	0	0	0	0	0	6.0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0
	0	8.2	0.9	52.5	4.2	42.4	0.9	0	0	0	0	0

MEAN	0	0.27	0.03	1.69	1.50	1.37	0.03	0	0	0	0	0
ACRE- FEET	0	16.	1.8	104.	83.	84.	1.8	0	0	0	0	0
Remarks:											YEAR OR PERIOD	MEAN ACRE-FEET
												0.10
												291.

FORM Cb 12-53

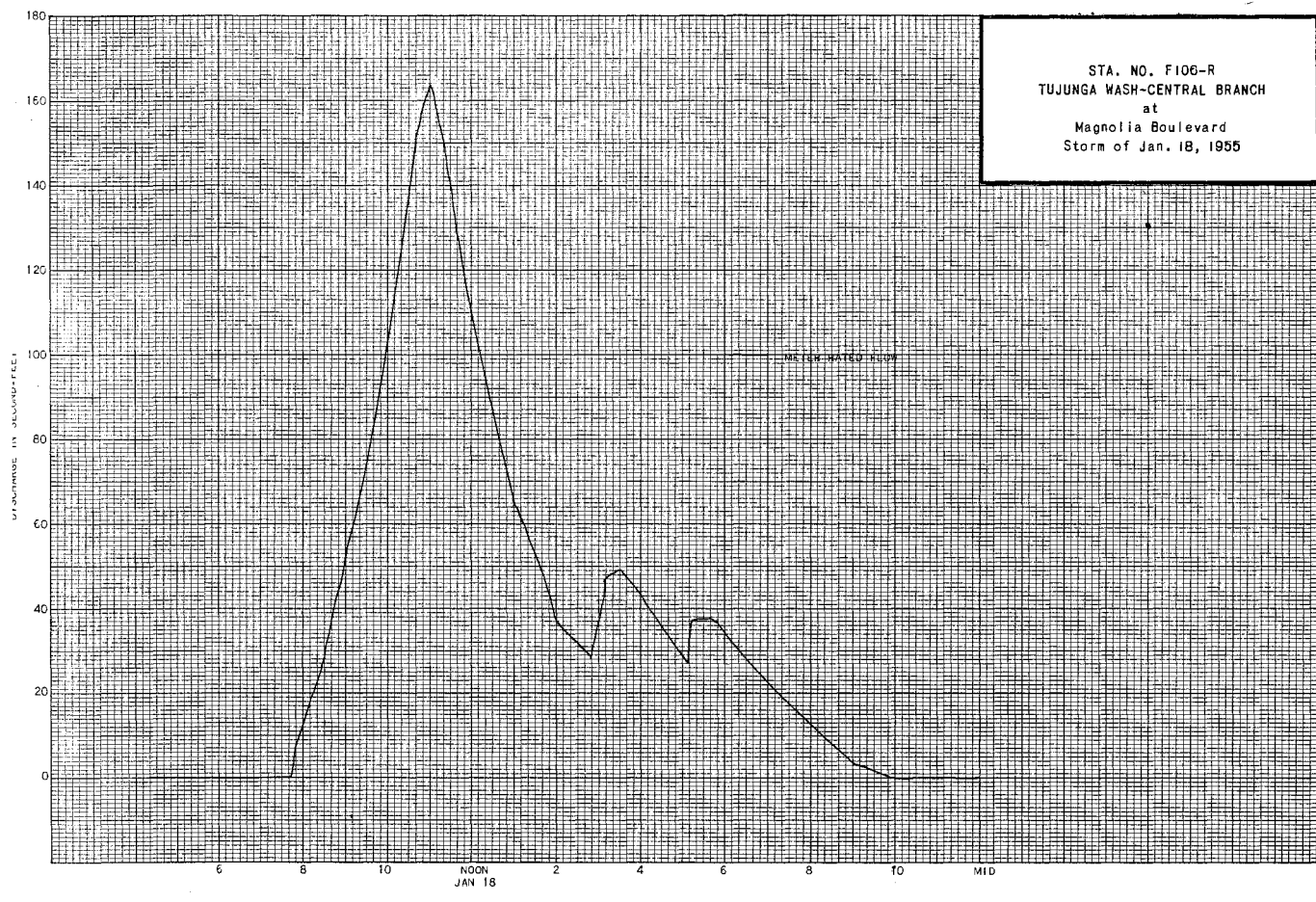
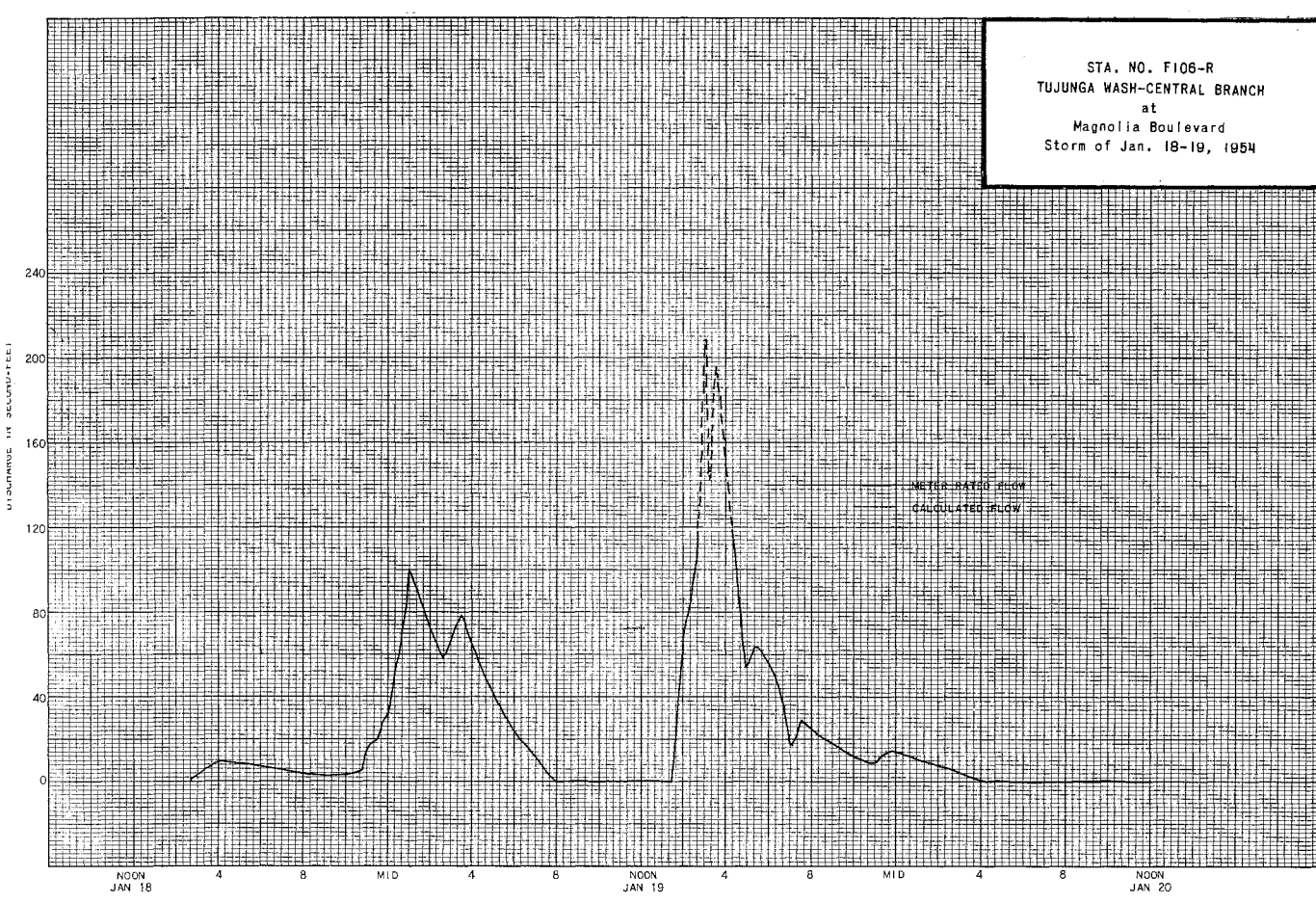
LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F100-R

Daily discharge, in second-feet of TUJUNGA WASH - CENTRAL BRANCH at Magnolia Boulevard for the year ending September 30, 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	a 2.5	0	0	0	0.1	0			
2	0	0	0	0	0	0	0	0	0			
3	0	0	a 2.1	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	1.3	0	0	0	0	0			
7	0	0	0	0	0	0	0	0	0			
8	0	0	0	0	0	0	0	1.2	0			
9	0	0	a 7.8	0	0	0	0	0	0			
10	0	+	a 1.7	2.2	0	1.7	0	0	0			
11	0	6.3	0	+	0	0.2	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	9.4	2.1	2.9	0	0	0			
17	0	0	0	0	1.9	0	0	0	0			
18	0	0	0	3.0	0	0	0	0	0			
19	0	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	4.4	0	0			
22	0	0	0	0	0	0	6.1	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	0.1	0	0.3	0	0			
27	0	0	0	0	2.2	0	0	0	0			
28	0	0	0	0	0	0	0	0	0			
29	0	0	0	0	0	0	0	0	0			
30	0	0	0	4.7	0	0	1.7	0	0			
31	0	0	0	2.4	0	0	0	0	0			
	0	6.3	11.6	84.0	6.3	4.8	27.8	12.1	0	0	0	0

MEAN	0	0.21	a 0.37	2.71	0.22	0.15	0.93	0.39	0	0	0	0
ACRE- FEET	0	12.	a 23.	167.	12.	9.5	55.	24.	0	0	0	0
Remarks:	+ = 0.05 CFS OR LESS										YEAR OR PERIOD	MEAN ACRE-FEET
												0.41
												298.



STATION F297-R  
BOUION 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 FOOTBRIDGE ABOVE STATION.

RECORDER: INSTALLED DECEMBER 7, 1949 OVER AN 18-INCH DIAMETER CORRUGATED IRON PIPE STILLING WELL. AN H.C.F. RECORDER WAS IN SERVICE FROM OCTOBER 1, 1953 TO SEPTEMBER 30, 1955.

REGULATION AND/OR DIVERSIONS: NONE.

RECORDS AVAILABLE: DECEMBER 7, 1949 TO SEPTEMBER 30, 1955.

EXTREMES OF DISCHARGE:

1953-54  
MAXIMUM 363 SECOND-FEET FEBRUARY 13.  
MINIMUM NO FLOW MOST OF YEAR.

1954-55  
MAXIMUM 166 SECOND-FEET JANUARY 16.  
MINIMUM NO FLOW MOST OF YEAR.

1950-55  
MAXIMUM DISCHARGE OF RECORD 460 SECOND-FEET JANUARY 16, 1952.  
MINIMUM NO FLOW PART OF EACH YEAR.

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

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

DISCHARGE MEASUREMENTS OF BOUION CREEK  
AT Anaheim Street DURING THE YEAR ENDING SEPTEMBER 30, 1954

DISCHARGE MEASUREMENTS OF BOUION CREEK  
AT Anaheim Street DURING THE YEAR ENDING SEPTEMBER 30, 1955

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. DD	MEAN SEC. NO.	Q. RT. CHANGE TOTAL	METER NO.	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. DD	MEAN SEC. NO.	Q. RT. CHANGE TOTAL	METER NO.
55	11-14	1935 1942	BONADIMAN-THOMAS	22.0	48.0	0.48	3.81	23.0	-6	6	-0.02	FC19	70	11-11	0738 0745	THOMAS-BONADIMAN	24.0	49.6	0.67	4.47	33.0	.6	6	-0.06	FC19		
56	11-15	1110 1111	" "	1.80	0.14	0.86	2.18	0.12	SURF	3	0	"	71	12-10	0757 0604	" "	CHANNELS			2.80	1.4	SURF	9	0	"		
57	1-12	1932 1938	" "	22.0	50.0	1.14	4.04	57.1	-6	5	+0.05	"	72	1-1	2222	" "	20.0	23.2	0.55	3.46	12.8	.6	6	-0.02	"		
58	1-13	1048 1100	THOMAS-BONADIMAN				2.06	0.40	-6	6	0	"	73	1-6	1447 1452	BONADIMAN	20.0	17.5	0.51	2.91	8.9	.6	5	-0.02	"		
59	1-19	0000 0010	" "	22.0	45.9	0.54	3.58	24.7	-6	7	-0.01	"	74	1-7	1242 1244	" "	1.0	0.20	0.98	2.28	0.19	.5	3	0	"		
60	1-19	1041 1046	" "	20.0	30.0	0.41	3.08	12.2	-6	6	-0.04	"	75	1-10	1014 1020	THOMAS-BONADIMAN	22.0	33.0	0.63	3.86	20.7	.6	7	-0.07	"		
61	1-20	1530 1536	THOMAS				2.23	1.0	-6	6	0	"	76	1-16	1132	" "	20.0	24.4	0.76	3.49	18.5	.6	6	-0.02	"		
62	1-24	1230 1238	THOMAS-BONADIMAN	19.0	25.2	0.40	2.80	10.2	-6	6	-0.01	"	77	1-18	1556 1700	" "	22.0	37.0	1.15	4.13	42.4	.6	6	-0.02	"		
63	1-25	0500 0506	" "	21.0	37.1	1.08	3.32	40.2	-6	6	-0.08	"	78	1-31	1422 1426	" "	18.0	8.40	0.15	2.56	1.3	FLOATS	4	0	"		
64	2-12	1905 1911	THOMAS-HEATHERMAN	27.0	110.	2.37	6.71	261.	-6	7	-0.23	FC51	79	2-17	0748 0604	" "	CHANNELS			3.08	7.5	.6	15	-0.10	FC19		
65	3-16	2320 2330	THOMAS-BONADIMAN	20.0	16.6	0.80	2.75	13.2	-6	5	-0.03	FC19	80	2-27	1622 1632	" "	11.0	5.03	0.89	2.80	4.5	.6	6	-0.01	"		
66	3-20	1042 0550	" "	22.0	53.8	1.36	4.42	72.9	-6	6	-0.09	"	81	4-22	0447 0455	" "	21.0	43.3	1.62	4.73	70.1	SURF	6	-0.02	"		
67	3-21	1339	" "	6.0	1.56	1.02	2.13	1.6	-6	4	0	"	82	4-23	1352	BONADIMAN	3.0	0.38	0.34	2.40	0.13	FLOATS	3	0	"		
68	3-24	1240 1248	BONADIMAN	7.0	3.01	1.56	2.34	4.7	-6	5	0	"	83	4-30	2052 2055	BONADIMAN-THOMAS	19.0	31.2	1.33	3.82	41.6	.6	5	-0.02	"		
69	3-30	0510 0514	BONADIMAN-THOMAS	20.0	14.0	0.92	2.81	12.8	-6	5	0	"	84	5-1	1157 1204	BONADIMAN	19.0	22.8	0.79	3.28	17.9	.6	5	0	"		
													85	5-7	0916 0925	" "	18.0	24.4	0.38	3.34	9.3	.6	6	+0.02	"		
													86	5-8	1300 1304	" "	4.0	0.60	0.73	2.52	0.44	.5	3	0	"		

FD-704 (G) 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F297-R

Daily discharge, in second-feet of BOUTON CREEK at Anaheim Street for the year ending September 30, 1954

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	1.1	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	10	0	0	0	0	0	0	0	0
13	0	0	0	2.8	8	0	0	0	0	0	0	0
14	0	7.4	0	0	6	0	0	0	0	0	0	0
15	0	1.4	0	0	0.5	0	0	0	0	0	0	0
16	0	0	0	0	0	4.0	0	0	0	0	0	0
17	0	0	0	0	0	4.7	0	0	0	0	0	0
18	0	0	0	20	0	0.2	0	0	0	0	0	0
19	0	0	0	40	0	0	0	0	0	0	0	0
20	0	0	0	8.5	0	2.7	0	0	0	0	0	0
21	0	0	0	0	0	1.9	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	2.2	0	0	0	0	0	0
24	0	0	0	7.7	0	6.5	0	0	0	0	0	0
25	0	0	0	1.5	0	2.2	0	0	0	0	0	0
26	0	0	0	0.3	0	0.5	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0
	1.1	8.8	0	107.3	86.8	61.0	1.4	0.1	1.1	6.6	0.3	0.4

MEAN	0.04	0.29	0	3.58	3.10	1.97	0.05	.003	0.04	0.21	0.01	0.01
ACRE- FEET	2.2	.7	0	213.	172.	121.	2.8	0.20	2.2	13.	0.60	0.8

Remarks: + = 0.05 cfs or less

YEAR OR PERIOD MEAN ACRE-FEET 0.75 544.

FD-704 (G) 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F297-R

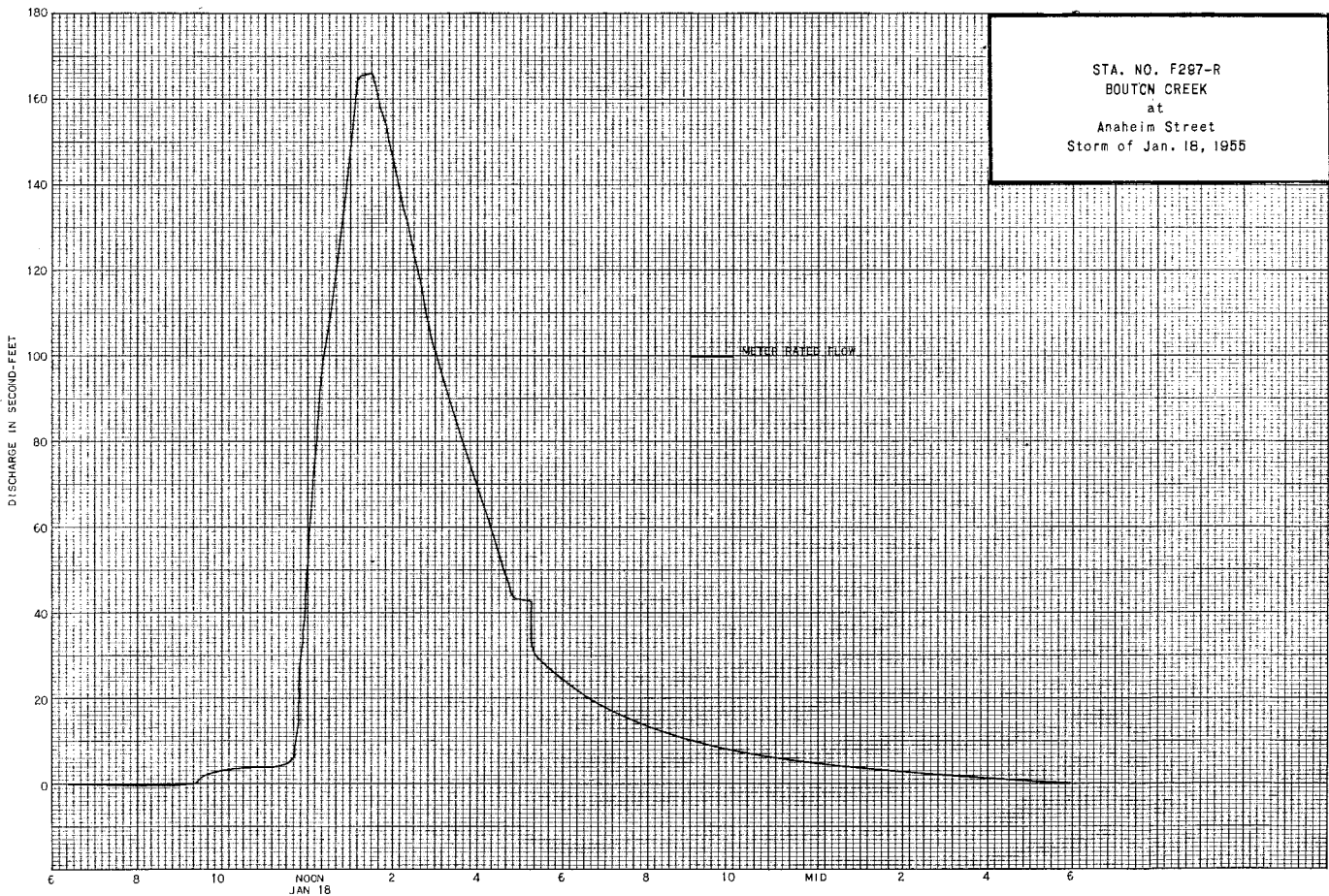
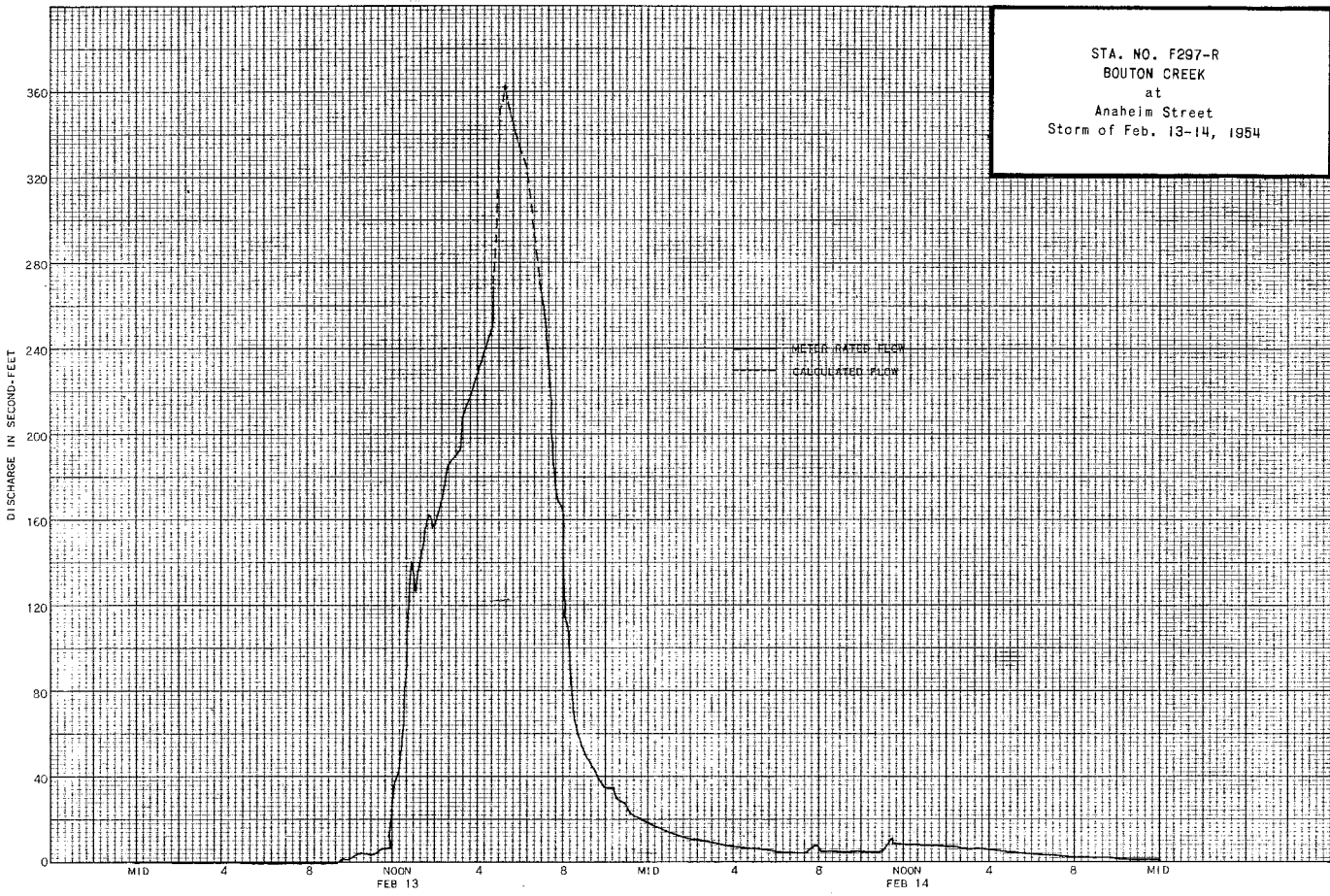
Daily discharge, in second-feet of BOUTON CREEK at Anaheim Street for the year ending September 30, 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	10	0.1	0	0	1.5	0	+	+	+
2	0	0	0	0.9	0	0	0	3.6	0	+	+	+
3	0	0	0.1	0	0	0	0	0.5	0	+	+	+
4	0	0	0	0	0	0	0	0	0	+	+	+
5	+	1.0	0	0	0	0	0	0	0	0.1	+	+
6	0	0	0	5.5	0	0	0	0	0	0	+	+
7	0	0	0	0.6	0	0	0	4.3	0	+	+	+
8	0	0	0	0	0	0	0	0.7	0	+	+	+
9	0	+	1.5	0	0	0	0	0	+	+	+	+
10	0	0.2	4.4	2.3	0	+	0	0	+	+	+	+
11	0	1.7	0	2.4	0	0	0	0	+	+	+	+
12	0	1.1	0	0.1	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	0	+
15	0	+	0	0	0	0	0	0	0	0	0	+
16	0	0	0	7.4	0.1	0	0	+	+	+	+	+
17	0	0	0	0.4	3.8	0	0	+	+	+	+	+
18	0	0	0	2.7	0.1	0	0	+	+	+	+	+
19	0	0	0	0.8	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	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	0.1	0	0	0	+
27	0	0	0	0	2.5	0	0	0	0	0	0	+
28	0	0	0	0	0.4	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	1.8	0	0	0	0	0	0	0	+
	19.3	6.0	82.3	7.1	38.6	24.2	0.7	0.1	0.1	0.1	0.1	0.1

MEAN	+	0.64	0.19	2.65	0.25	+	1.29	0.78	0.02	+	+	+
ACRE- FEET	+	36.	12.	163.	14.	+	77.	48.	1.4	0.2	+	+

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN ACRE-FEET 0.49 354.





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, 1955.

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 Riverside Drive DURING THE YEAR ENDING SEPTEMBER 30, 1954

DISCHARGE MEASUREMENTS OF BURBANK WESTERN STORM DRAIN  
AT Riverside Drive DURING THE YEAR ENDING SEPTEMBER 30, 1955

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. IND.	METH. CO.	MEAS. REC. NO.	D. HT. CHANGE TOTAL	METER NO.
167	10-1	1107	LUCE	4.0			0.42	3.7		RECT. WEIR			
168	10-8	1045	"	4.0			0.40	3.6		" "			
169	10-15	0915	"	4.0			0.37	3.1		" "			
170	10-29	1215	"	4.0			0.35	2.8		" "			
171	11-12	1105	"	4.0			0.38	3.1		" "			
172	11-19	1250 1256	"	10.2	2.55	1.10		2.8	.5	11		FC41	
173	11-25	1015 1021	"	8.5	2.07	1.31		2.7	.5	7		"	
174	12-3	1120 1124	"	8.5	2.10	1.24		2.6	.5	7		"	
175	12-10	1125 1131	"	16.0	2.14	1.31		2.8	.5	9		"	
176	12-17	1428 1436	"	13.8	2.30	1.48		3.4	.5	9		"	
177	12-23	1050 1100	"	7.7	2.09	1.30		2.6	.5	10		"	
178	12-31	0908 0916	"	8.1	1.75	1.20		2.1	.5	10		"	
179	1-7	1230 1239	"	8.5	2.59	1.66		4.3	.5	9		"	
180	4-8	1115 1123	"	10.0	2.71	1.07		2.9	.5	11		"	
181	4-15	1015 1025	"	10.5	3.03	0.89		2.7	.5	11		"	
182	4-22	1031 1037	"	12.0	2.93	0.98		2.9	.5	9		"	
183	5-6	1320	"	4.0			0.40	3.3		RECT. WEIR			
184	5-13	1035	"	4.0			0.36	3.1		" "			
185	5-20	1310	"	4.0			0.42	3.6		" "			
186	5-27	1130	"	4.0			0.47	4.2		" "			
187	6-3	1120	"	4.0			0.40	3.3		" "			
188	6-10	1340	"	4.0			0.45	3.9		" "			
189	6-24	1030	DE MARS	4.0			0.47	4.2		" "			
190	7-1	1015	LUCE	4.0			0.36	2.8		" "			
191	7-1	1045	"	4.0			0.42	3.6		" "			
192	7-8	1130	"	4.0			0.43	3.7		" "			
193	7-15	0950	"	4.0			0.45	3.9		" "			
194	7-22	0950	"	4.0			0.45	3.9		" "			
195	7-22	1100	"	4.0			0.46	4.1		" "			
196	7-29	0915	"	4.0			0.40	3.4		" "			
197	8-5	1140	"	4.0			0.42	3.6		" "			
198	8-12	1115	"	4.0			0.50	4.7		" "			
199	8-19	1300	"	4.0			0.40	3.3		" "			
200	8-26	0930	"	4.0			0.34	2.6		" "			
201	9-2	0915	"	4.0			0.39	3.2		" "			
202	9-8	1127	BLAKELY	4.0			0.42	3.6		" "			
203	9-16	1130	LUCE	4.0			0.42	3.6		" "			
204	9-23	1130	"	4.0			0.43	3.7		" "			
205	9-30	1410	"	4.0			0.56	5.4		" "			

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. IND.	METH. CO.	MEAS. REC. NO.	D. HT. CHANGE TOTAL	METER NO.
206	10-7	1100	LUCE	4.0			0.40	3.4		RECT. WEIR			
207	10-14	1305	"	4.0			0.43	3.8		" "			
208	10-21	1050	"	4.0			0.44	3.9		" "			
209	10-28	1240	LUCE-HYDE	4.0			0.46	4.2		" "			
210	11-4	1120	LUCE	4.0			0.46	4.1		" "			
211	12-9	1140 1150	"	16.0	3.22	1.30		4.2	.5	9		FC41	
212	12-16	1145 1155	"	13.5	3.28	1.31		4.3	.5	8		"	
213	12-23	1338 1345	"	14.0	3.32	1.20		4.0	.5	10		"	
214	12-30	0945 0952	"	16.0	4.32	0.83		3.6	.5	10		"	
215	1-7	1322 1330	LUCE-FRIEDRICH	13.0	2.47	1.38		3.4	.5	12		"	
216	1-13	1005 1013	LUCE	14.5	2.30	1.18		2.7	.5	9		"	
217	1-20	0940 0946	"	12.5	2.36	1.29		3.0	.5	8		"	
218	1-27	1215 1219	"	12.0	2.70	1.22		3.3	.5	8		"	
219	2-3	1230 1238	"	11.5	2.51	1.12		2.8	.5	8		"	
220	2-10	1115 1127	"	10.8	2.68	1.16		3.1	.5	7		"	
221	2-17	1130 1136	"	13.2	2.58	1.28		3.3	.5	8		"	
222	2-24	1405 1412	"	12.0	2.85	1.26		3.6	.5	9		"	
223	3-3	1025 1032	"	13.0	2.82	1.17		3.3	.5	9		"	
224	3-10	1110 1116	"	11.5	2.65	1.28		3.4	.5	8		"	
225	3-17	1235 1247	"	10.0	2.57	1.36		3.5	.5	7		"	
226	3-24	1208 1220	"	13.0	3.73	1.29		4.8	.5	8		"	
227	3-31	1135 1140	"	12.5	3.04	1.25		3.8	.5	8		"	
228	4-7	1235 1243	"	14.5	4.17	1.25		5.2	.5	9		FC47	
229	4-14	1125 1136	"	12.0	2.98	1.12		3.3	.5	8		"	
230	4-21	1330 1338	"	16.5	2.07	1.69		3.5	.5	10	0	FC41	
231	4-28	1040 1045	"	13.0	2.77	1.16		3.2	.5	9	0	"	
232	5-12	1115 1124	"	12.5	2.53	1.18		3.0	.5	8		"	
233	5-19	1240 1300	DE MARS	15.0	1.64	2.80		4.6	.5	9		FC59	
234	6-16	1425 1433	LUCE	14.0	3.47	1.18		4.1	.5	9		FC42	
235	7-21	1115	"	4.0			0.43	3.8		RECT. WEIR			
236	7-28	1100	"	4.0			0.41	3.5		" "			
237	8-4	1330	"	4.0			0.48	4.3		" "			
238	8-11	1315	"	4.0			0.49	4.5		" "			
239	8-18	1020	"	4.0			0.48	4.3		" "			
240	8-25	1330	"	4.0			0.45	3.9		" "			
241	9-1	1150	"	4.0			0.56	5.4		" "			
242	9-8	1125	"	4.0			0.53	5.0		" "			
243	9-15	1050	"	4.0			0.56	5.4		" "			
244	9-22	1310	BLAKELY	4.0			0.55	5.4		" "			
245	9-29	1312	"	4.0			0.52	5.1		" "			

STATION F100-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, 1953 TO SEPTEMBER 30, 1955.

REGULATION AND/OR DIVERSION: NONE.

RECORDS AVAILABLE: DECEMBER 27, 1945 TO SEPTEMBER 30, 1955. SOME STREAM FLOW MEASUREMENTS ARE AVAILABLE FOR EARLIER YEARS.

EXTREMES OF DISCHARGE:

1953-54  
MAXIMUM 1480 SECOND-FEET FEBRUARY 13.  
MINIMUM NO FLOW PART OF YEAR.

1954-55  
MAXIMUM 82 SECOND-FEET APRIL 30.  
MINIMUM DRY MOST OF YEAR.

1949-55  
MAXIMUM 4200 SECOND-FEET JANUARY 15, 1952.  
MINIMUM NO FLOW MOST OF EACH YEAR.

ACCURACY: POOR

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

DISCHARGE MEASUREMENTS OF CASTAIC CREEK  
AT Highway #126 DURING THE YEAR ENDING SEPTEMBER 30, 19 54

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. GD	MEAN SEC. NO.	S. HT. CHANGE TOTAL	METER NO.
47	1-19	1715 1720	TURNER-ROGERS	17.0	6.60	1.27	4.25	8.4			.6	6 +.01	FC43
48	1-24	2333 2340	" "	12.0	3.64	3.16	4.10	11.5			.6	6 0	"
49	1-25	0350 0392	" "	36.0	22.2	4.68	4.43	104.			.6	8 0	"
50	1-25	0935 0950	" "		CHANNELS		4.06	85.9			.6	18 -.02	"
51	2-13	1615 1630	" "		"		4.30±	746.			.6	22	"
52	2-13	2100 2117	" "		"		4.94	353.			.6	16 -.03	"
53	2-14	0945 0955	" "				4.21	13.1			.6	9 +.01	"
54	3-20	0645 0700	" "				4.69	212.			.6	15 +.02	"
55	3-20	1015 1025	" "				4.49	56.9			.6	13 -.01	"
56	3-20	1542 1547	" "	10.6	2.13	1.88	4.10	4.0			.6	6 0	"
57	3-21	0915 0925	" "		CHANNELS		4.29	22.1			.6	14 0	"
58	3-30	1043 1052	TURNER	16.6	2.22	1.26	4.18	2.8			.5	8 0	"

DISCHARGE MEASUREMENTS OF CASTAIC CREEK  
AT Highway No. 126 DURING THE YEAR ENDING SEPTEMBER 30, 19 55

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. GD	MEAN SEC. NO.	S. HT. CHANGE TOTAL	METER NO.
59	1-18	1553 1600	TURNER-ROGERS	37.0	17.0	3.71	4.50	63.1			.6	10 0	FC43

FD-104 Cb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F108-R

Daily discharge, in second-feet of CASTAIC CREEK at Highway 120 for the year ending September 30, 19 54

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	0				
2	0	0	0	0	0	0	0	0				
3	0	0	0	0	0	0	0	0				
4	0	0	0	0	0	0	0	0				
5	0	0	0	0	0	0	0	0				
6	0	0	0	0	0	0	0	0				
7	0	0	0	0	0	0	0	0				
8	0	0	0	0	0	0	0	0				
9	0	0	0	0	0	0	0	0				
10	0	0	0	0	0	0	0	0				
11	0	0	0	0	0	0	0	0				
12	0	0	0	0	27	0	0	0				
13	0	0	0	0	4	0	0	0				
14	0	0	0	0	8	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	7	0	0				
18	0	0	0	0	0	2	0	0				
19	0	0	0	4	0	0	0	0				
20	0	0	0	1	0	0	0	0				
21	0	0	0	3	0	4	0	0				
22	0	0	0	0	0	16	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	6	0	0	0	0				
27	0	0	0	0	0	0	0	0				
28	0	0	0	0	0	0	0	0				
29	0	0	0	0	0	0	0	0				
30	0	0	0	0	0	1	0	0				
31	0	0	0	0	0	0	0	0				
	0	0	0	101.5	31.8	72.5	0	0				

MEAN	0	0	0	3.27	11.4	2.35	0	0	0	0	0	0
ACRE- FEET	0	0	0	201.	631.	145.	0	0	0	0	0	0

Remarks:

YEAR OR PERIOD	MEAN	1.35
ACRE-FEET	977.	

FD-104 Cb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F108-R

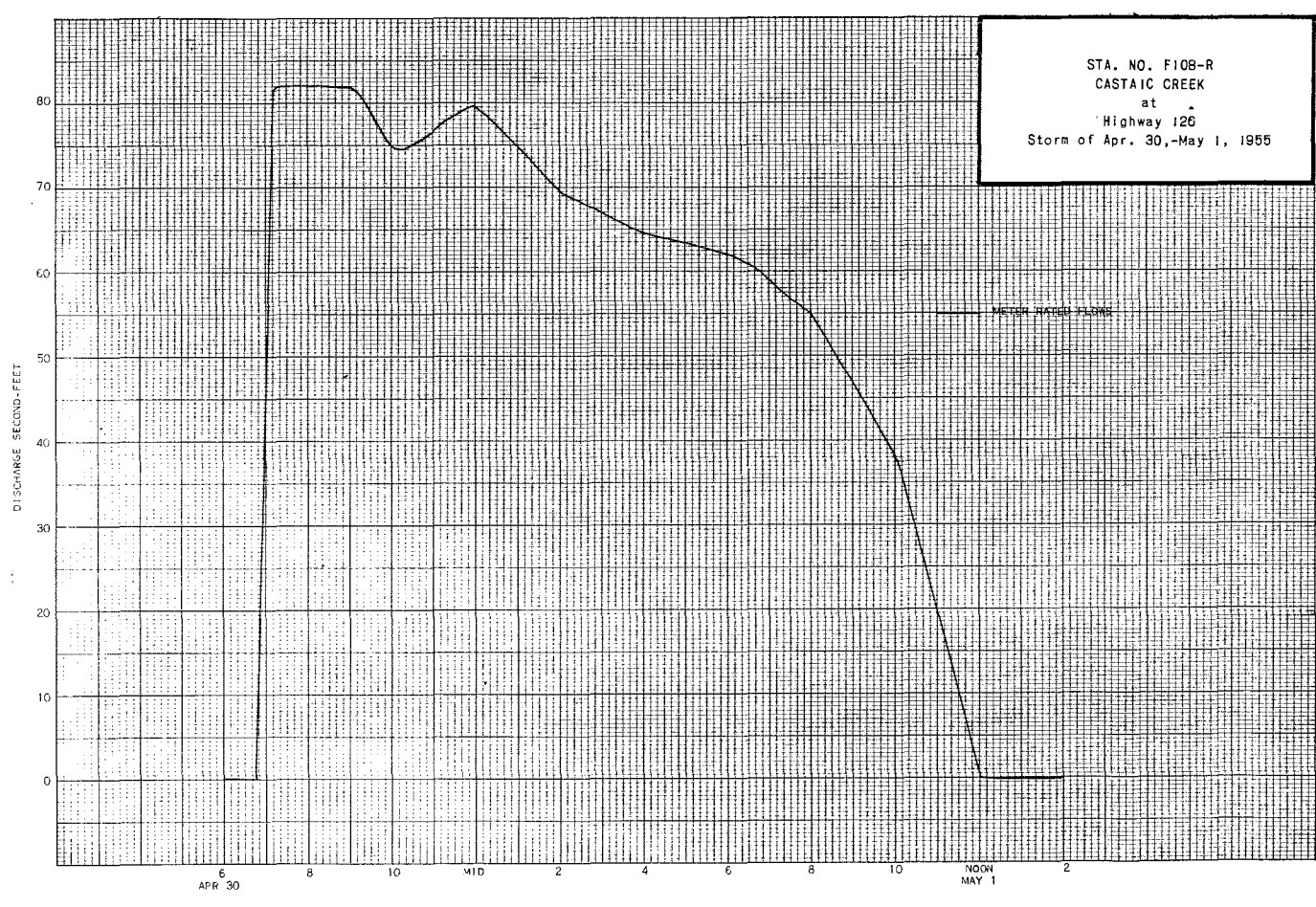
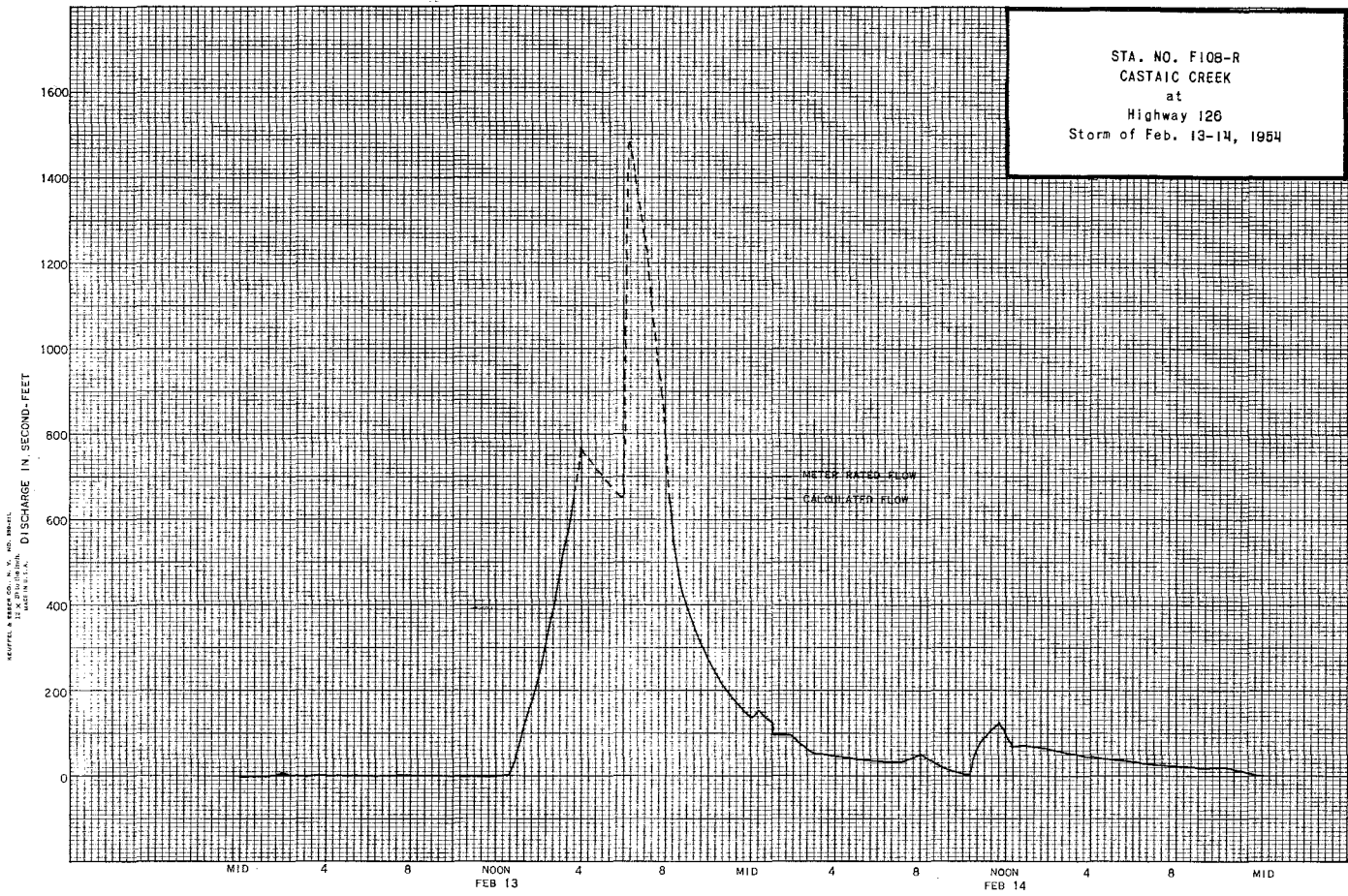
Daily discharge, in second-feet of CASTAIC CREEK at Highway 120 for the year ending September 30, 19 55

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	27	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	a	3.6	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	1	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	3.6	0	0	16.0	42.8	0	0	0	0

MEAN	0	0	0	0.28	0	0	0.53	1.38				
ACRE- FEET	0	0	0	17.	0	0	32.	85.				

Remarks:

YEAR OR PERIOD	MEAN	0.18
ACRE-FEET	134.	



STATION F302-R  
COMPTON CREEK at 120th Street

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

DRAINAGE AREA: 14.5 SQUARE MILES.

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

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

RECORDER: INSTALLED JANUARY 29, 1951 OVER A 48-INCH DIAMETER CONCRETE PIPE STILLING WELL. A STEVENS A-35B RECORDER WAS IN SERVICE FROM OCTOBER 1, 1953 TO SEPTEMBER 30, 1955.

REGULATION AND/OR DIVERSIONS: NONE.

RECORD AVAILABLE: JANUARY 29, 1951 TO SEPTEMBER 30, 1955.

EXTREMES OF DISCHARGE:  
1953-54  
MAXIMUM 2050 SECOND-FOOT FEBRUARY 13.  
MINIMUM LESS THAN 0.1 SECOND-FOOT VARIOUS TIMES.  
1954-55  
MAXIMUM 1220 SECOND-FOOT JANUARY 18.  
MINIMUM LESS THAN 0.05 SECOND-FOOT AT TIMES  
1951-55  
MAXIMUM 2050 SECOND-FOOT FEBRUARY 13, 1954.  
MINIMUM NO FLOW VARIOUS TIMES

ACCURACY: 0.000

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

DISCHARGE MEASUREMENTS OF COMPTON CREEK  
AT 120th Street DURING THE YEAR ENDING SEPTEMBER 30, 1954

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. DD	MEAS. SEC. NO.	D. HT. CHANGE TOTAL	METER NO.
23	11-5	1000 1004	BONADIMAN	46.0	7.11	0.70	0.12	5.0		FLOATS	5	0	
24	11-14	1438 1448	THOMAS-BONADIMAN	49.5	86.6	8.43	1.73	730.			6	-18	FC19
25	2-18	1012 1016	BONADIMAN	40.0	4.50	1.02	0.14	4.6		FLOATS	4	0	
26	3-25	1005 1010	"	28.0	2.08	0.91	0.12	1.9		"	5	0	

DISCHARGE MEASUREMENTS OF COMPTON CREEK  
AT 120th Street DURING THE YEAR ENDING SEPTEMBER 30, 1955

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. DD	MEAS. SEC. NO.	D. HT. CHANGE TOTAL	METER NO.	
27	2-27	1156 1205	THOMAS-BONADIMAN	48.0	46.1	6.33	1.00	282			6	7	-13	FC18
28	8-4	1030	BONADIMAN	30.0	4.50	0.58		2.6		FLOATS				
29	8-11	1014 1016	"	25.0	1.50	0.93		1.4		"		3		
30	8-18	1028 1031	"	40.0	3.12	0.74		2.3		"		5		
31	8-25	1030 1034	"	40.0	2.70	0.63		1.7		"		4		
32	9-1	1010 1016	"	38.0	5.22	0.82		4.3		"		6		
33	9-8	1350 1358	SADDORIS	35.0	2.21	0.77	0.14	1.7		"		8		
34	9-15	1115 1125	"	37.0	0.87	0.62	0.10	0.54		"		5	0	
35	9-22	1045 1050	"	38.0	0.73	0.59		0.43		"		6		

76076M Cb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F302-R

Daily discharge, in second-feet of COMPTON CREEK at 120th Street, for the year ending September 30, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	b 0.2	b 0.2	b 0.2	b 0.3	b 0.4	b 0.8	b 0.4	b 0.2	b 0.2	b 1.5	b 0.3	b 3.0
2	0.2	0.2	0.2	0.3	0.5	0.6	1.0	0.2	0.3	1.6	0.3	2.0
3	0.2	0.2	0.2	0.3	0.6	0.6	0.8	0.3	0.3	1.0	0.5	2.0
4	0.4	b 0.4	b 0.2	0.3	0.7	0.4	1.5	0.5	0.2	0.4	0.5	2.0
5	0.5	7.2	b 0.2	0.3	0.7	0.6	0.6	0.6	0.2	0.2	0.5	1.5
6	2.0	b 0.3	0.2	0.1	0.5	0.6	1.0	0.8	0.2	0.9	0.7	0.6
7	1.2	0.2	0.2	+	0.3	0.5	1.0	1.5	0.6	2.2	0.6	1.0
8	1.2	0.1	0.2	+	0.4	0.4	1.0	1.0	0.5	1.5	0.4	2.0
9	0.2	0.1	0.2	+	0.6	0.4	1.0	0.6	0.4	1.5	0.3	2.0
10	0.5	0.3	0.2	+	0.4	0.4	1.0	1.0	0.5	1.0	0.5	2.0
11	0.3	0.3	0.2	2.0	0.4	0.3	0.6	0.6	0.5	0.5	0.5	0.8
12	0.3	0.2	0.2	6.7	0.4	0.4	0.4	1.0	0.6	0.4	0.5	0.5
13	0.5	b 0.1	0.2	1.0	b 0.4	0.3	0.4	1.0	0.6	0.6	0.6	0.6
14	0.5	13.4	0.2	+	5.0	0.2	0.3	1.0	0.6	0.6	0.5	0.5
15	0.5	b 2.0	0.3	+	b 0.6	b 0.1	0.3	1.0	0.6	0.4	0.4	0.5
16	0.5	0.3	0.3	+	0.6	5.3	0.3	0.6	0.6	0.8	0.3	0.4
17	0.5	0.3	0.3	b 0.7	0.6	9.2	0.2	0.5	0.6	0.4	0.3	0.4
18	0.5	0.1	0.3	3.4	0.0	b 0.2	0.2	0.6	0.6	0.3	0.6	0.4
19	0.5	0.3	0.3	17.9	0.8	b 0.8	0.3	0.6	0.7	0.3	0.6	0.3
20	0.2	b 2.7	0.3	2.7	0.4	13.4	0.3	0.4	0.5	0.4	0.4	0.2
21	0.2	b 0.2	0.4	+	0.3	2.2	0.3	0.4	1.0	0.6	0.4	0.4
22	0.2	0.2	0.4	b 0.1	0.5	4.5	0.3	0.2	1.5	0.4	0.3	0.4
23	0.2	0.2	0.4	6.0	0.5	8.5	0.3	0.2	1.0	0.4	0.3	0.4
24	0.2	0.2	0.4	b 0.5	0.6	8.5	0.2	0.2	2.0	0.4	0.5	0.5
25	0.2	0.1	0.3	5.6	0.5	5.7	0.2	0.2	2.1	0.3	0.5	0.5
26	0.2	0.3	0.2	b 0.5	0.6	0.7	0.2	0.2	1.5	0.2	0.4	0.5
27	0.2	0.2	0.1	b 0.2	0.5	0.4	b 0.3	0.2	0.4	0.4	0.5	0.4
28	0.3	0.1	0.1	b 0.6	0.5	0.4	b 0.3	0.2	0.6	0.5	0.5	0.4
29	0.3	0.2	0.1	0.6	0.6	0.4	b 0.3	0.2	1.5	0.4	0.5	0.4
30	0.2	b 0.2	0.2	0.5	0.5	0.3	b 0.3	0.1	b 1.0	0.5	0.4	b 0.4
31	0.2	0.2	b 0.2	0.3	0.3	0.4	b 0.3	0.1	b 1.0	0.5	b 3.0	0.4
	14.9	151.3	12.3	451.6	517.4	314.2	16.8	17.0	22.0	21.1	16.6	27.1

MEAN	0.48	5.04	0.40	14.6	18.5	10.1	0.56	0.55	0.73	0.68	0.54	0.90
ACRE- FEET	30.	300.	24.	896.	1030.	623.	33.	34.	44.	42.	33.	54.
Remarks:	+ = 0.05 cfs or less											
	YEAR OR PERIOD MEAN ACRE-FEET 4.39 3140.											

76076M Cb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

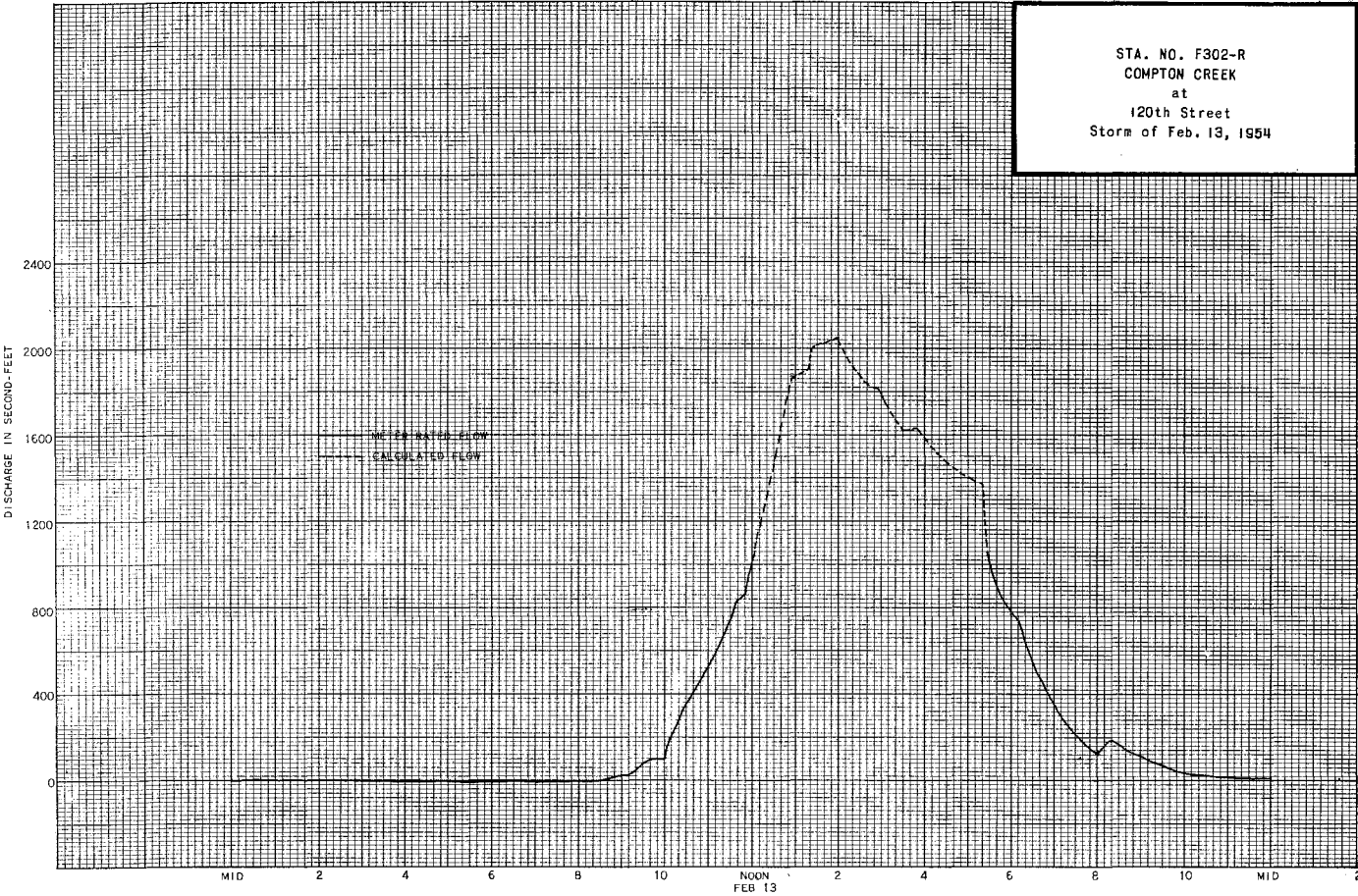
Sta. No. F302-R

Daily discharge, in second-feet of COMPTON CREEK at 120th Street, for the year ending September 30, 1955

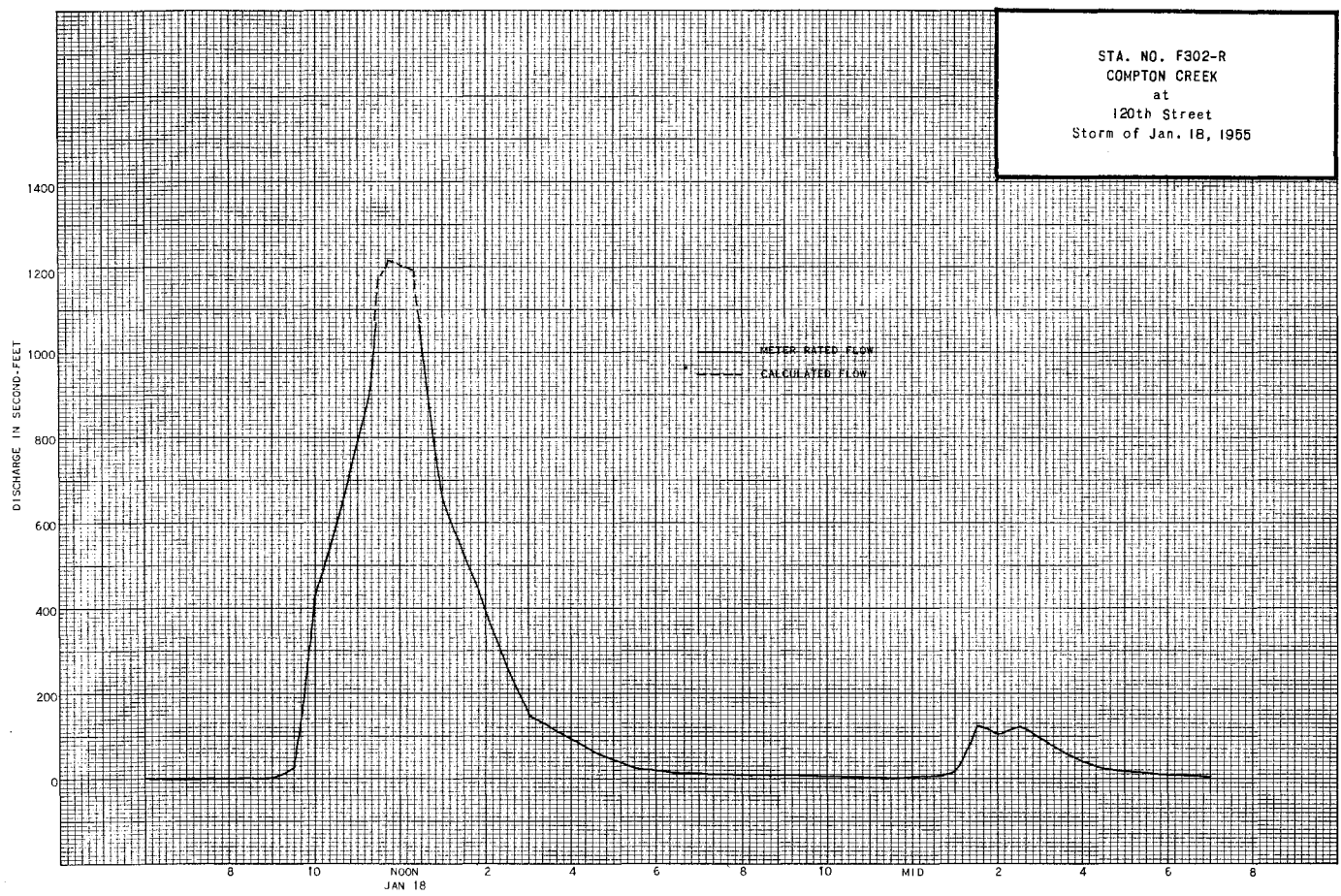
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	b 0.3	b 0.1	b 0.2	4.7	b 0.3	b 0.3	b 0.3	5.1	b 0.4	b 0.4	b 0.5	b 5.0
2	0.3	0.1	b 0.2	1.5	0.1	0.3	0.3	0.5	0.4	0.4	b 1.4	4.2
3	0.3	0.1	3.2	0.7	+	0.2	0.3	0.3	0.4	0.4	3.8	4.4
4	0.3	0.1	0.9	0.7	+	0.2	0.3	0.1	0.4	0.4	3.2	1.5
5	0.2	0.1	b 0.2	0.6	0.2	0.2	0.3	+	0.4	0.4	3.2	0.9
6	0.2	0.1	0.2	13.9	0.2	0.2	0.2	+	0.4	0.4	b 1.8	0.8
7	0.2	0.1	0.2	1.5	0.2	0.2	0.2	8.2	0.4	0.7	b 2.0	2.8
8	0.2	0.1	b 0.2	0.6	0.1	0.2	0.2	0.4	0.4	1.1	b 2.9	2.7
9	0.2	b 0.1	3.8	0.4	0.2	0.2	0.2	0.4	0.4	0.8	b 3.8	2.6
10	0.2	1.4	b 0.2	8.3	0.1	1.9	0.2	0.2	0.4	0.7	b 2.0	2.3
11	0.2	1.2	b 0.2	0.4	0.1	7.6	0.1	0.2	0.4	0.7	2.0	2.3
12	0.2	12.0	b 0.2	0.2	0.1	2.0	0.1	0.2	0.4	1.2	3.5	1.3
13	0.2	0.3	0.2	+	0.1	1.0	0.1	0.2	0.4	2.4	2.1	1.9
14	0.1	b 0.2	0.1	0.1	0.2	0.6	0.1	0.2	0.4	2.4	1.3	1.9
15	0.1	1.5	0.1	b 0.2	b 0.2	0.6	0.1	0.2	0.4	3.4	1.3	1.4
16	0.1	1.4	0.1	8.1	0.6	0.6	0.1	0.2	0.4	2.9	3.0	2.0
17	0.1	b 0.1	0.1	0.6	2.0	0.6	0.1	0.2	0.4	1.8	2.9	1.8
18	0.1	+	0.1	16.0	0.2	0.6	b 0.1	0.2	0.4	2.4	2.9	0.7
19	0.1	0.1	0.1	16.2	0.1	0.6	2.7	0.2	0.4	4.8	2.1	1.1
20	0.1	0.2	0.1	b 1.2	0.6	0.6	b 0.2	0.2	0.4	2.9	1.5	0.8
21	0.1	0.2	0.1	0.5	0.5	0.5	2.5	0.2	0.4	1.9	0.9	0.9
22	0.1	0.2	0.1	0.1	0.5	0.5	11.3	0.3	0.4	1.5	1.4	1.0
23	0.1	0.2	0.1	0.1	0.5	0.5	b 0.6	0.3	0.4	1.5	2.9	0.7
24	0.1	0.2	0.1	0.1	+	0.5	b 0.4	0.3	0.4	5.5	2.8	0.7
25	0.1	0.2	0.1	0.1	+	0.5	b 0.2	0.3	0.4	2.9	2.2	0.4
26	0.1	0.2	0.1	0.1	4.1	0.4	2.2	0.3	0.4	3.6	2.1	0.3
27	0.1	0.2	0.1	0.1	7.2	0.4	b 1.0	0.3	0.4	2.4	2.4	0.8
28	0.1	0.2	+	0.6	0.6	0.4	b 0.6	0.3	0.4	2.0	0.9	0.8
29	0.1	0.2	0.1	+	0.4	0.4	b 0.3	0.4	0.4	1.3	1.4	0.7
30	0.1	0.2	0.1	5.2	0.4	0.4	8.8	0.4	b 0.4	0.8	3.8	b 0.7
31	0.1	0.2	b 0.1	13.2	0.3	0.3	b 0.4	0.4	b 0.4	0.6	b 4.9	0.4
	4.8	152.9	77.5	475.7	40.1	41.0	234.8	140.5	12.0	50.6	74.0	49.6

MEAN	0.16	5.10	2.50	15.3	1.43	1.32	7.83	4.55	0.40	1.63	2.39	1.65
ACRE- FEET	9.5	303.	154.	944.	80.	81.	466.	279.	24.	100.	147.	98.
Remarks:	+ = 0.05 CFS OR LESS											
	YEAR OR PERIOD MEAN ACRE-FEET 3.71 2690.											

STA. NO. F302-R  
 COMPTON CREEK  
 at  
 120th Street  
 Storm of Feb. 13, 1954



STA. NO. F302-R  
 COMPTON CREEK  
 at  
 120th Street  
 Storm of Jan. 18, 1955



STATION F37B-R  
COMPTON CREEK near Greenleaf Drive

LOCATION: WATER-STAGE RECORDER, LAT. 33° 52' 54", LONG. 118° 13' 27", ON THE LEFT (EAST) BANK OF THE CONCRETE CHANNEL, 120 FEET SOUTH OF THE CENTER LINE OF GREENLEAF DRIVE EXTENDED AND ABOUT ONE AND ONE-HALF MILES SOUTH-WEST 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, A STEVENS TYPE A35-B RECORDER WAS IN SERVICE FROM OCTOBER 1, 1953 TO SEPTEMBER 30, 1955.

REGULATION: NONE.

DIVERSIONS: NONE.

RECORDS AVAILABLE:

AT STATION F37-R - JANUARY 22, 1928 TO JUNE 9, 1938.  
AT STATION F37B-R - OCTOBER 3, 1938 TO SEPTEMBER 30, 1955.

EXTREMES OF DISCHARGE:

1953-54  
MAXIMUM 3600 SECOND-FOOT FEBRUARY 13.  
MINIMUM 0.1 SECOND-FOOT VARIOUS TIMES  
1954-55  
MAXIMUM 2710 SECOND FEET JANUARY 18.  
MINIMUM 0.1 SECOND-FOOT NOVEMBER AND DECEMBER  
1928-55 (STATIONS F37-4 AND F37B-R)  
MAXIMUM DISCHARGE NOT DETERMINED. OVERFLOWED BANKS MARCH 2, 1938.  
MAXIMUM DISCHARGE OF RECORD 3600 SECOND-FOOT FEBRUARY 13, 1954.  
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 Greenleaf Drive DURING THE YEAR ENDING SEPTEMBER 30, 1954

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC.	GAUGE HEIGHT FEET	DISCHARGE CFS.	RAT. NO.	METH. NO.	MEAN SEC. NO.	D. OF CHANGE TOTAL	METER NO.
562	10-1	1040 1050	BONADIMAN		CHANNELS		0.49	2.0		.5	7	0	FC19
563	10-8	1020 1030	"	11.0	5.72	0.35	0.53	2.0		.5	7	0	"
564	10-15	1050 1053	"	4.0	0.72	1.21	0.50	0.87		.5	3	0	"
565	10-22	1048 1054	"	3.0	1.02	0.59	0.51	0.85		.5	4	0	"
566	10-29	1010 1016	"	5.0	1.83	0.27	0.50	0.49		.6	4	0	"
567	11-14	1512 1535	THOMAS-BONADIMAN	60.0	196.	5.02	3.70	984.		.6	9	-.54	"
568	1-18	2120 2127	"	45.0	44.5	2.56	1.18	114.		.6	8	+.07	"
569	2-4	1020 1027	BONADIMAN	4.0	0.92	0.70	0.40	0.64		.5	5	0	"
570	2-18	1054 1102	"	16.0	6.00	0.85	0.47	5.1		.6	6	0	"
571	2-25	1020 1024	"	7.0	1.69	0.59	0.42	1.0		.5	5	0	"
572	3-18	1030 1036	"	7.0	1.31	0.76	0.41	1.0		.5	5	0	"
573	3-22	1042 1055	BONADIMAN-THOMAS	47.0	25.8	0.82	0.69	21.2		.6	7	0	"
574	3-25	1044 1052	BONADIMAN	44.0	17.1	0.20	0.50	3.4		.6	6	0	"
575	4-8	1020 1026	"	8.0	2.50	0.48	0.40	1.2		.6	4	0	"
576	4-29	1026 1029	"	10.0	3.00	0.27	0.41	0.82		.5	4	0	"
577	5-13	1024 1030	"	7.5	2.72	0.70	0.46	1.9		.6	6	0	"
578	5-27	1005 1012	"	8.0	2.21	0.29	0.41	0.64		.5	4	0	"
579	6-24	1030 1038	"	8.0	2.13	0.56	0.43	1.2		.5	5	0	"
580	7-8	1036 1044	"	5.0	2.33	1.07	0.48	2.5		.6	6	0	"
581	7-22	1000 1006	"	4.0	1.04	0.76	0.43	0.79		.5	4	0	"
582	8-5	1020 1026	"	4.0	1.20	0.79	0.45	0.95		.5	4	0	"
583	8-19	0954 1030	"	4.0	0.98	0.82	0.44	0.80		.5	4	0	"
584	9-2	1130 1139	THOMAS	8.5	4.68	1.28	0.55	6.0		.6	6	0	FC51
585	9-8	1047 1054	"	6.0	3.41	1.20	0.52	4.1		.6	7	0	"
586	9-16	1015 1022	"	6.5	1.77	0.50	0.44	0.89		.6	6		"
587	9-23	1000 1009	"	6.0	1.93	0.38	0.43	0.73		.6	7	0	"
588	9-30	1015 1020	"	6.0	1.92	0.31	0.42	0.59		.6	6	0	"



DISCHARGE MEASUREMENTS OF COMPTON CREEK  
 NEAR Greenleaf Drive DURING THE YEAR ENDING SEPTEMBER 30, 1955

NO.	DATE	REG. NO.	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT-PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. ING.	HT. CHG. DO.	MEAS. REC. NO.	HT. CHANGE TOTAL	METER NO.
612	6-2	1056 1100	BONADIMAN	3.0	0.60	0.62	0.42	0.49	.5	3	0	"	"
613	6-16	1090 1008	"	5.0	1.54	1.04	0.46	1.6	.6	5	0	"	"
614	6-23	1006 1012	"	5.0	2.14	0.40	0.44	0.85	.5	5	0	"	"
615	7-7	1020 1024	"	5.0	1.30	0.70	0.44	0.91	.5	4	0	"	"
616	7-14	1010 1020	"	5.0	2.55	0.55	0.45	1.4	.6	6	0	"	"
617	7-21	1032 1042	"	6.0	3.59	0.75	0.50	2.7	.6	7	0	"	"
618	7-28	1034 1040	"	6.0	3.02	0.46	0.45	1.4	.6	6	0	"	"
619	8-4	1115 1122	"	5.0	3.63	1.16	0.54	4.2	.6	6	0	"	"
620	8-11	1050 1056	"	7.0	3.73	0.75	0.50	2.8	.6	7	0	"	"
621	8-18	1115 1122	"	7.0	3.59	0.89	0.52	3.2	.6	6	0	"	"
622	8-25	1102 1108	"	6.0	2.70	0.63	0.47	1.7	.6	6	0	"	"
623	9-1	1040 1048	"	6.5	4.66	1.20	0.55	5.6	.6	6	0	"	"
624	9-8	1330 1341	SADDORIS	9.3	1.96	1.68	0.54	3.3	.5	8	0	FC40	"
625	9-15	1155 1200	"	9.6	1.55	1.10	0.50	1.7	.5	8	0	"	"
626	9-22	1145 1152	"	4.6	1.66	0.90	0.47	1.5	.5	6	0	"	"

NO.	DATE	REG. NO.	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT-PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. ING.	HT. CHG. DO.	MEAS. REC. NO.	HT. CHANGE TOTAL	METER NO.
589	10-7	1014 1020	BONADIMAN	4.0	0.93	0.75	0.40	0.73	.5	4	0	FC19	"
590	10-21	1020 1025	"	4.0	1.00	0.55	0.42	0.55	.5	4	0	"	"
591	11-4	1040 1042	"	4.0	0.80	0.75	0.43	0.60	.5	3	0	"	"
592	11-12	1000 1012	"	40.0	15.0	0.23	0.52	3.4	.6	6	0	"	"
593	11-15	2338 2350	THOMAS-BONADIMAN	45.0	33.8	1.17	0.89	39.5	.6	8	-.02	"	"
594	11-18	1056 1030	BONADIMAN	1.0	0.20	1.50	0.39	0.34	.5	3	0	"	"
595	12-9	1014 1012	"	1.0	0.40	0.75	0.40	0.32	.5	3	0	"	"
586	1-6	1004 1012	"	51.5	42.2	1.44	0.94	60.6	.6	9	0	"	"
597	1-10	1420 1430	THOMAS-BONADIMAN	38.5	19.4	0.58	0.66	11.2	.6	7	0	"	"
598	2-10	1036 1040	BONADIMAN	5.0	1.40	0.24	0.39	0.34	.6	4	0	"	"
599	2-17	1231 1210	"	48.0	16.8	0.33	0.53	5.5	.6	5	0	"	"
600	2-27	1241 1241	THOMAS-BONADIMAN	58.0	139.	3.89	2.60	541.	.6	9	-.06	"	"
601	3-3	1040 1044	BONADIMAN	3.0	0.60	1.44	0.40	0.86	.5	3	0	"	"
602	3-10	2225 2233	BONADIMAN-THOMAS	53.0	85.8	3.79	2.05	325.	.6	7	+.05	"	"
603	3-12	1050 1100	BONADIMAN	3.5	1.10	0.66	0.42	0.72	.6	5	0	"	"
604	3-17	1034 1036	"	5.0	0.80	1.07	0.40	0.86	.6	3	0	"	"
605	4-7	1040 1047	"	6.0	2.75	0.80	0.47	2.2	.6	5	0	FC20	"
606	4-21	1100 1104	"	3.0	0.68	1.35	0.42	0.92	.5	4	0	FC19	"
607	4-28	1020 1030	"	8.0	5.28	1.17	0.51	6.2	.6	7	0	"	"
608	4-30	1608 1616	"	58.0	119.	3.72	2.50	444.	.6	9	-.20	FC11	"
609	5-5	1115	"	4.0	1.02	0.86	0.42	0.84	.5	4	0	"	"
610	5-8	1020 1036	"	4.0	1.94	1.24	0.46	2.4	.6	5	0	"	"
611	5-19	1030 1032	SADDORIS-BONADIMAN	3.0	0.54	1.44	0.41	0.78	.5	3	0	"	"

FORM 40 12-53

LOS ANGELES COUNTY  
 FLOOD CONTROL DISTRICT  
 HYDRAULIC DIVISION

Sta. No. F37B-R

Daily discharge, in second-feet of COMPTON CREEK near Greenleaf Drive for the year ending September 30, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.		
1	1.6	0.1	0.5	0.6	0.7	1.2	1.6	0.6	0.5	2.6	0.7	7.9		
2	1.6	0.1	0.5	0.5	1.2	1.0	1.9	0.6	0.8	3.0	0.8	4.8		
3	1.1	0.2	0.5	0.5	1.0	1.0	1.6	0.7	0.8	2.5	1.1	5.6		
4	0.6	0.2	0.6	0.5	0.8	0.8	2.3	1.0	0.7	1.0	1.1	4.4		
5	0.7	1.6	0.4	0.5	0.6	1.0	1.6	1.2	0.7	0.8	1.1	3.0		
6	2.6	0.5	0.1	0.6	0.7	0.6	1.9	1.6	0.7	1.6	1.6	1.2		
7	1.9	0.4	0.1	0.1	0.5	0.6	1.9	2.3	1.2	4.4	1.2	1.9		
8	1.9	0.1	0.7	0.2	0.6	0.7	1.6	1.9	1.1	2.6	0.8	4.1		
9	3.4	0.1	0.5	0.1	1.0	0.7	1.9	1.2	1.0	2.6	0.7	4.1		
10	0.2	0.5	0.4	0.1	0.5	0.7	1.1	1.9	1.0	1.9	1.1	4.1		
11	0.5	0.5	0.4	3.8	0.5	0.5	1.0	2.3	1.2	1.2	1.2	1.9		
12	0.8	0.4	0.2	108	0.6	0.7	1.0	1.9	1.2	1.1	1.2	1.0		
13	0.7	14.5	0.4	1.9	7.9	0.6	1.1	1.9	1.2	1.6	1.2	1.2		
14	0.7	3.2	0.4	0.4	14	0.4	1.1	1.9	1.2	1.6	1.1	1.1		
15	0.6	0.4	0.6	0.2	1.0	0.2	0.6	1.9	1.2	1.6	1.1	1.1		
16	0.7	0.4	0.6	0.4	0.6	1.0	1.1	1.2	1.2	1.9	0.7	0.8		
17	0.5	0.5	0.5	0.1	1.0	24	0.7	1.0	1.2	1.2	0.8	1.0		
18	0.6	0.1	0.6	8.6	3.0	1.2	0.6	1.1	1.2	1.1	1.2	0.8		
19	0.1	0.5	0.6	338	1.0	1.2	0.7	1.1	1.6	1.0	1.2	0.7		
20	0.2	3.6	0.4	64	0.8	1.1	0.8	0.8	1.1	1.1	0.8	0.4		
21	0.2	0.4	0.4	0.4	0.7	3.5	0.8	0.8	1.9	1.2	0.8	1.0		
22	0.1	0.2	0.7	0.2	0.6	5.9	0.8	0.7	2.3	1.1	0.6	0.8		
23	0.1	0.2	0.6	1.1	0.8	5.8	0.8	0.7	1.9	1.1	0.6	1.0		
24	0.1	0.4	0.4	107	1.0	7.8	0.7	0.7	3.0	1.1	1.1	1.0		
25	0.1	0.4	0.4	103	0.8	2.0	0.6	0.7	3.4	0.6	1.0	1.0		
26	0.1	0.6	0.1	0.8	1.0	1.1	0.6	0.7	2.3	0.6	1.0	1.0		
27	0.1	0.1	0.1	0.4	0.8	1.0	0.8	0.6	0.8	1.0	1.1	0.8		
28	0.5	0.2	0.2	1.0	0.8	0.8	5.2	0.7	1.2	1.1	1.0	0.8		
29	0.4	0.4	0.6	1.0	7.6	0.7	0.6	2.3	1.0	1.0	1.0	0.8		
30	0.1	0.2	0.6	0.7	8.8	0.8	0.4	1.9	1.1	1.0	1.0	0.8		
31	0.1	0.6	0.6	0.5	1.9	1.9	0.1	1.2	1.2	1.2	1.2	0.8		
23.0														
162.0														
20.2														
822.7														
834.2														
599.9														
37.8														
34.5														
41.8														
46.8														
37.6														
60.0														
MEAN	0.74	5.40	0.65	26.5	30.0	19.4	1.26	1.11	1.39	1.51	1.21	2.00		
ACRE-FEET	46.	321.	40.	1630.	1670.	1190.	75.	68.	83.	93.	75.	119.		
Remarks:												YEAR OR PERIOD	MEAN	7.48
												ACRE-FEET	5410.	

FORM C 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F37B-R

Daily discharge, in second-feet of COMPTON CREEK near Greenleaf Drive for the year ending September 30, 1955

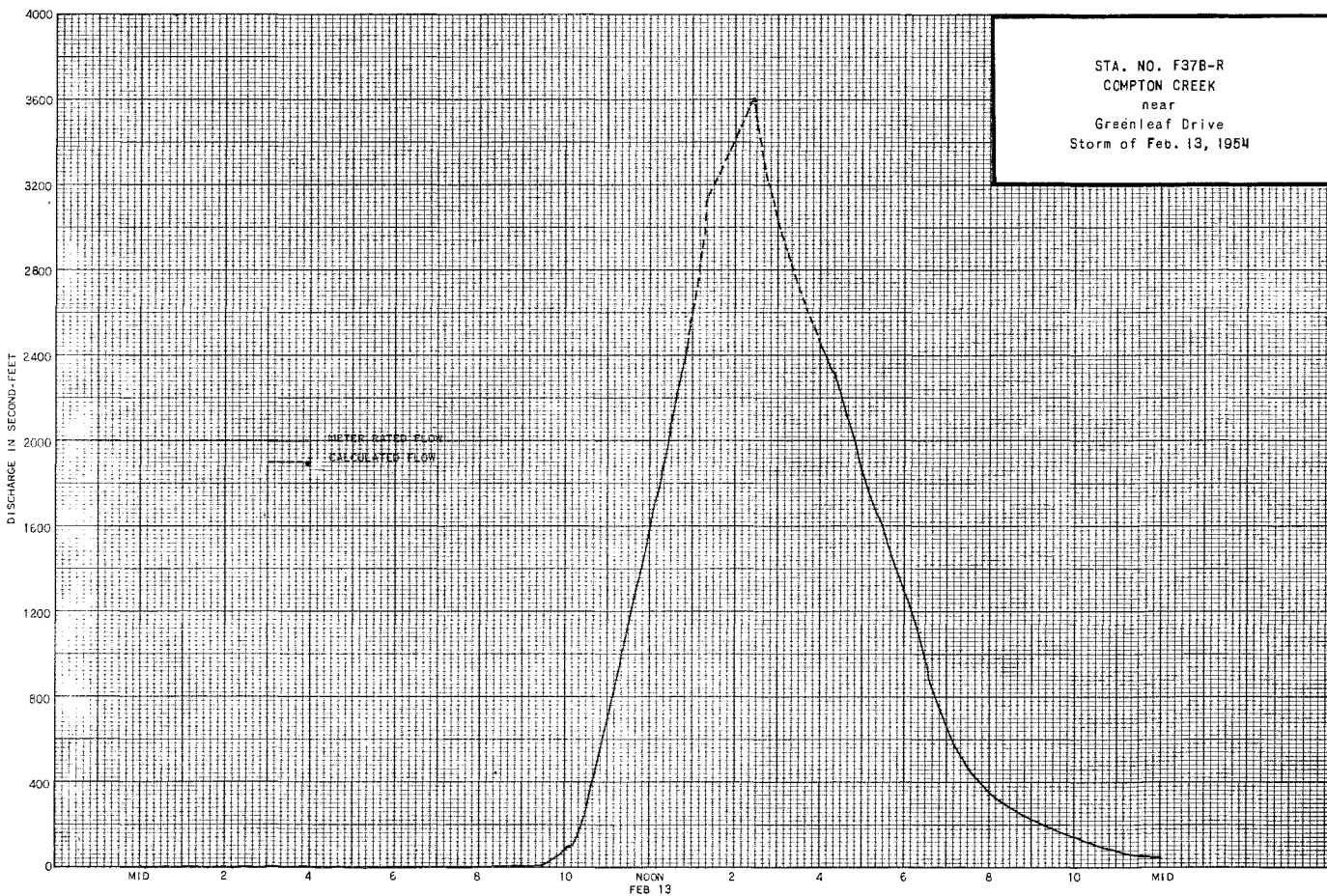
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.8	0.4	0.6	1.0	1.1	1.0	0.6	1.34	0.6	0.8	1.0	5.6
2	0.8	0.6	0.7	4.5	0.6	1.0	0.5	0.8	0.6	0.7	1.9	4.8
3	1.0	0.5	7.3	1.9	0.7	1.0	0.1	1.1	0.7	0.7	4.8	4.8
4	1.1	0.5	4.4	1.9	0.7	1.1	0.5	1.0	0.6	0.7	4.4	1.9
5	1.1	0.5	0.4	1.9	0.4	1.2	0.5	1.0	0.2	0.6	4.1	0.8
6	1.1	0.7	0.2	3.0	0.2	1.0	1.0	1.0	0.1	0.8	2.3	1.0
7	1.0	0.5	0.5	3.0	0.2	1.1	1.0	2.12	0.5	1.1	2.6	3.4
8	1.0	0.5	0.5	1.6	0.4	1.1	1.0	2.6	0.4	1.6	3.4	3.4
9	1.1	1.0	8.4	1.2	0.7	1.2	0.5	1.6	0.6	1.2	4.8	3.0
10	1.1	2.4	2.3	2.01	0.4	3.1	0.4	1.2	0.6	1.1	3.7	3.0
11	1.1	2.70	0.5	1.2	0.7	1.2	0.2	1.1	1.1	1.1	2.6	2.6
12	1.1	4.2	0.1	0.6	0.4	0.8	0.4	1.2	0.8	1.6	4.1	0.7
13	1.1	0.6	0.1	0.4	0.4	0.8	0.6	1.2	1.0	3.0	2.6	2.6
14	1.1	0.1	0.5	0.4	0.5	1.0	0.6	1.0	1.0	3.0	1.6	2.6
15	1.1	2.0	0.6	0.5	0.6	1.0	0.6	0.7	1.0	4.1	1.6	2.3
16	1.6	4.8	0.5	1.63	1.8	1.0	1.1	0.8	1.2	3.4	3.7	2.6
17	0.8	0.5	0.6	0.7	5.5	1.1	0.7	0.7	1.1	2.3	3.4	2.3
18	1.2	0.4	0.2	3.74	0.7	1.0	0.2	1.1	1.0	2.3	3.4	1.1
19	0.8	0.4	0.1	3.8	0.6	1.0	1.6	0.8	0.8	5.6	2.6	1.6
20	1.1	0.7	0.4	2.6	0.2	1.0	2.2.5	1.0	0.4	3.4	1.9	1.2
21	1.1	0.6	0.5	1.2	0.2	0.8	2.6	0.7	1.9	2.3	1.2	1.6
22	1.1	0.6	0.5	1.0	0.2	0.8	2.9	0.6	1.2	1.9	1.1	1.9
23	0.6	0.7	0.5	0.6	0.4	1.0	1.1	0.8	1.2	1.9	3.4	1.6
24	0.6	0.7	0.6	0.6	0.4	1.2	0.8	1.9	1.0	1.9	3.4	1.6
25	0.7	0.7	0.5	0.6	0.6	1.6	1.1	1.0	1.0	3.0	2.6	0.8
26	0.6	0.8	0.2	0.5	1.6	1.0	4.2	1.1	0.5	4.1	2.6	0.7
27	0.6	0.7	0.4	0.4	4.6	0.7	2.6	1.6	0.5	3.0	3.0	1.6
28	0.5	0.6	0.2	0.2	1.2	0.8	3.0	0.8	1.0	2.6	1.2	1.6
29	0.5	0.7	0.1	0.5	0.5	0.7	3.0	0.5	1.0	1.9	1.1	1.6
30	0.5	0.5	0.1	1.24	0.5	1.0	1.53	0.5	0.8	1.2	4.8	1.6
31	0.5	0.4	0.4	3.7	0.6	0.6	0.5	0.5	1.0	1.0	4.8	5.6

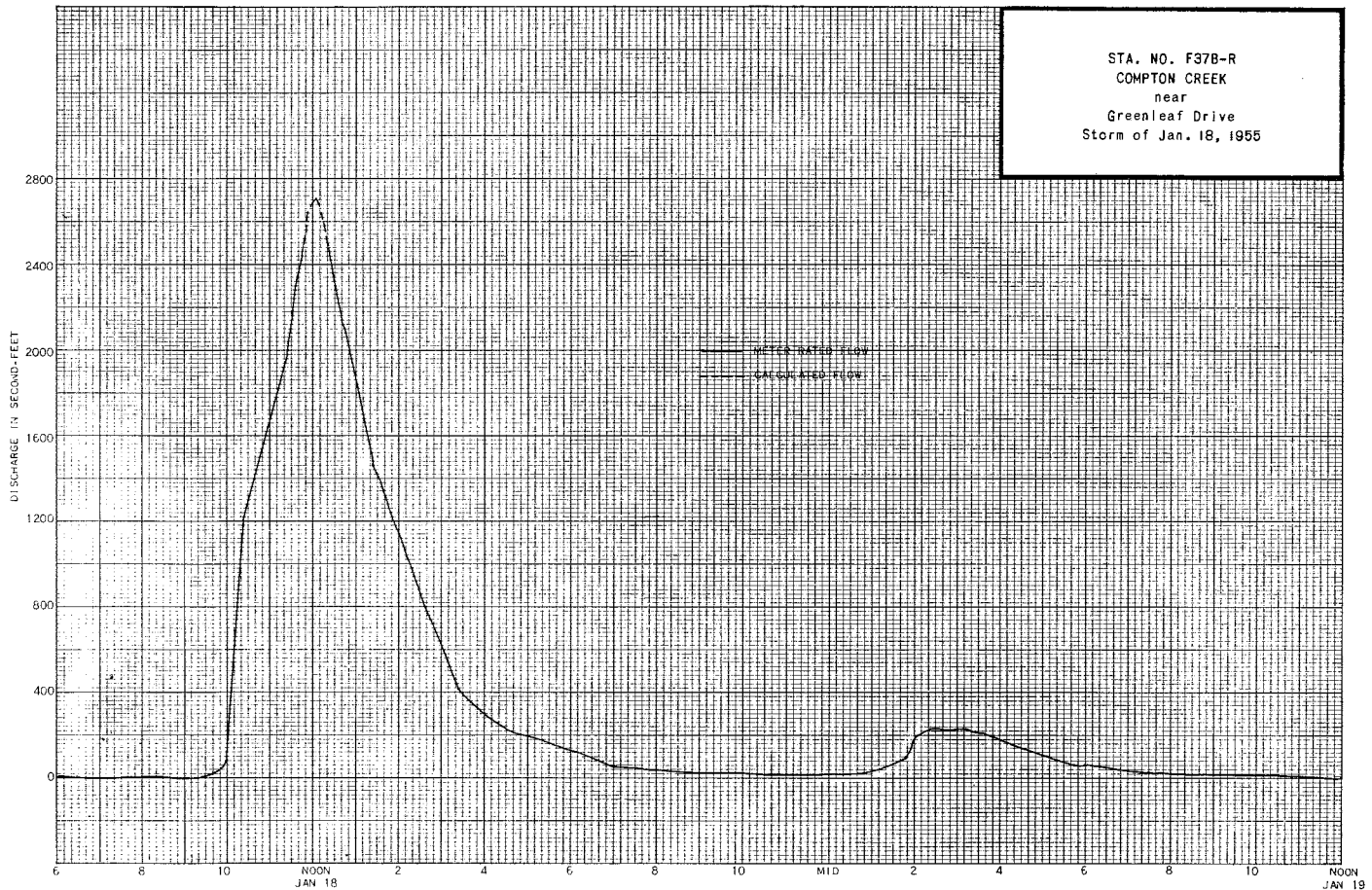
28.8      357.3      194.9      1105.0      147.5      71.6      540.0      375.9      24.4      63.9      90.5      65.9

MEAN	0.93	11.9	6.29	35.6	5.27	2.31	18.0	12.1	0.81	2.06	2.92	2.20
ACRE-FOOT	57.	708.	387.	2190.	293.	142.	1070.	746.	48.	127.	180.	131.

Remarks:

YEAR OR PERIOD MEAN 8.40  
ACRE-FOOT 6080.





STATION F47C-R  
COYOTE CREEK at Del Amo Street

LOCATION: WATER-STAGE RECORDER, LAT.  $33^{\circ}50'47''$ , LONG.  $118^{\circ}03'30''$ , 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 TULE 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, 1953 TO SEPTEMBER 30, 1955.

REGULATION: NONE.

DIVERSIONS: NONE

RECORDS AVAILABLE:

AT STATION F41-R - STREAM FLOW MEASUREMENTS TAKEN FROM DECEMBER 1, 1928 TO JANUARY 14, 1930. RECORDER RECORDS FROM JANUARY 14, 1930 TO OCTOBER 30, 1936.  
AT STATION F41B-R - OCTOBER 30, 1936 TO FEBRUARY 17, 1937.  
AT STATION F41C-R - FEBRUARY 18, 1937 TO SEPTEMBER 30, 1955.

EXTREMES OF DISCHARGE:

1953-54

MAXIMUM 1190 SECOND-FEET FEBRUARY 13.

MINIMUM NO FLOW OCTOBER 25 AND 26.

1954-55

MAXIMUM 611 SECOND-FEET JANUARY 18.

MINIMUM NO FLOW AUGUST AND SEPTEMBER.

1929-55 (STATIONS F41-R, F41B-R, AND F41C-R)

MAXIMUM 7360 SECOND-FEET JANUARY 18, 1952.

MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: FAIR.

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

DISCHARGE MEASUREMENTS OF COYOTE CREEK AT NEAR Del Amo Street DURING THE YEAR ENDING SEPTEMBER 30, 1954

DISCHARGE MEASUREMENTS OF COYOTE CREEK AT NEAR Del Amo Street DURING THE YEAR ENDING SEPTEMBER 30, 1955

Table with columns: 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, MEAN REC. NO., D. CHARGE TOTAL, METER NO. Rows 646-699.

Table with columns: 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, MEAN REC. NO., D. CHARGE TOTAL, METER NO. Rows 700-751.

FORM Cb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F41C-R

Daily discharge, in second-feet of COYOTE CREEK at Del Amo Street for the year ending September 30, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.1	a +	0.1	0.1	0.8	b 0.4	8.6	0.9	0.2	b 0.1	b 0.2	0.4
2	0.1		0.1	0.1	0.8	b 0.4	2.4	0.7	0.2	0.1	0.2	0.4
3	0.1		0.1	0.1	0.7	b 0.4	2.0	0.6	0.4	0.1	0.2	0.2
4	0.1		0.1	0.1	0.6	0.4	1.4	0.6	0.2	0.2	0.2	0.2
5	0.2	b	0.1	0.1	0.5	0.4	1.1	0.8	0.2	0.2	0.2	0.2
6	0.2		0.1	0.1	0.4	0.4	0.9	0.7	0.2	0.3	0.2	0.1
7	0.2		0.1	0.1	0.3	0.4	0.8	0.5	0.2	0.3	0.2	+
8	0.2		0.1	0.1	0.2	0.2	0.8	0.6	0.3	0.3	0.2	+
9	0.2		0.1	0.1	0.2	0.2	0.8	0.6	0.3	0.3	0.2	+
10	0.2		0.1	0.1	0.6	0.2	0.8	0.4	0.4	0.3	0.1	+
11	0.1		0.1	0.1	0.9	0.1	0.7	0.5	0.3	0.2	0.1	+
12	0.1	b	0.1	0.2	1.1	0.1	0.6	0.6	0.3	0.1	0.1	+
13	0.1		0.1	0.4	1.0	0.1	0.5	0.7	0.2	0.1	0.1	+
14	0.1		0.1	0.2	1.0	0.1	0.4	0.6	0.2	0.1	0.1	+
15	0.1	0.2	0.1	0.1	4.2	0.1	0.5	0.4	0.4	0.1	0.1	+
16	0.1	0.4	0.1	0.1	7.1	0.4	0.4	0.3	0.6	0.1	0.1	+
17	0.5		0.1	0.1	3.1	9.7	0.4	0.3	0.6	0.1	0.1	+
18	0.2		0.1	2.5	2.4	4.7	0.4	0.4	0.8	0.1	0.1	+
19	0.1		0.1	1.6	1.9	1.3	0.4	0.4	0.6	0.1	0.1	+
20	0.1		0.1	6.7	1.6	7.7	0.4	0.3	0.4	0.1	0.1	+
21	0.1		0.1	5.7	1.2	9.1	0.5	0.7	0.4	0.1	0.1	+
22	0.1		0.1	2.1	1.0	2.2	0.7	0.3	0.2	0.1	0.1	+
23	0.1		0.1	1.1	0.8	2.5	0.7	0.1	0.2	0.1	0.1	+
24	0.1		0.1	3.2	0.6	8.4	0.5	0.1	0.2	0.1	0.1	+
25	0.1		0.1	2.6	0.5	5.7	0.6	0.1	0.2	0.1	0.1	+
26	0.1		0.1	4.5	0.5	2.3	0.5	0.1	0.2	0.1	0.1	+
27	0.1		0.1	5.9	0.5	9.5	0.6	0.2	0.2	0.1	0.1	+
28	0.1		0.1	1.6	0.4	3.9	0.9	0.2	0.1	0.1	0.1	+
29	0.1		0.1	0.9		1.7	0.8	0.3	0.1	0.1	0.2	+
30	0.1		0.1	0.9		1.0	0.9	0.2	0.1	0.2	0.2	+
31	0.1		0.1	0.8		3.7		0.1	0.2	0.2	0.3	+
	2.0	2.9	3.1	617.2	717.7	557.1	32.0	13.3	8.9	4.5	4.3	1.7
MEAN	0.06	0.10	0.10	19.9	27.6	18.0	1.07	0.43	0.30	0.15	0.14	0.06
ACRE- FEET	4.0	5.8	6.1	1220.	1530.	1100.	63.	26.	18.	8.9	8.5	3.4

Remarks: + = 0.05 cfs or less

YEAR OR PERIOD MEAN ACRE-FEET 5.53 3990.

FORM Cb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

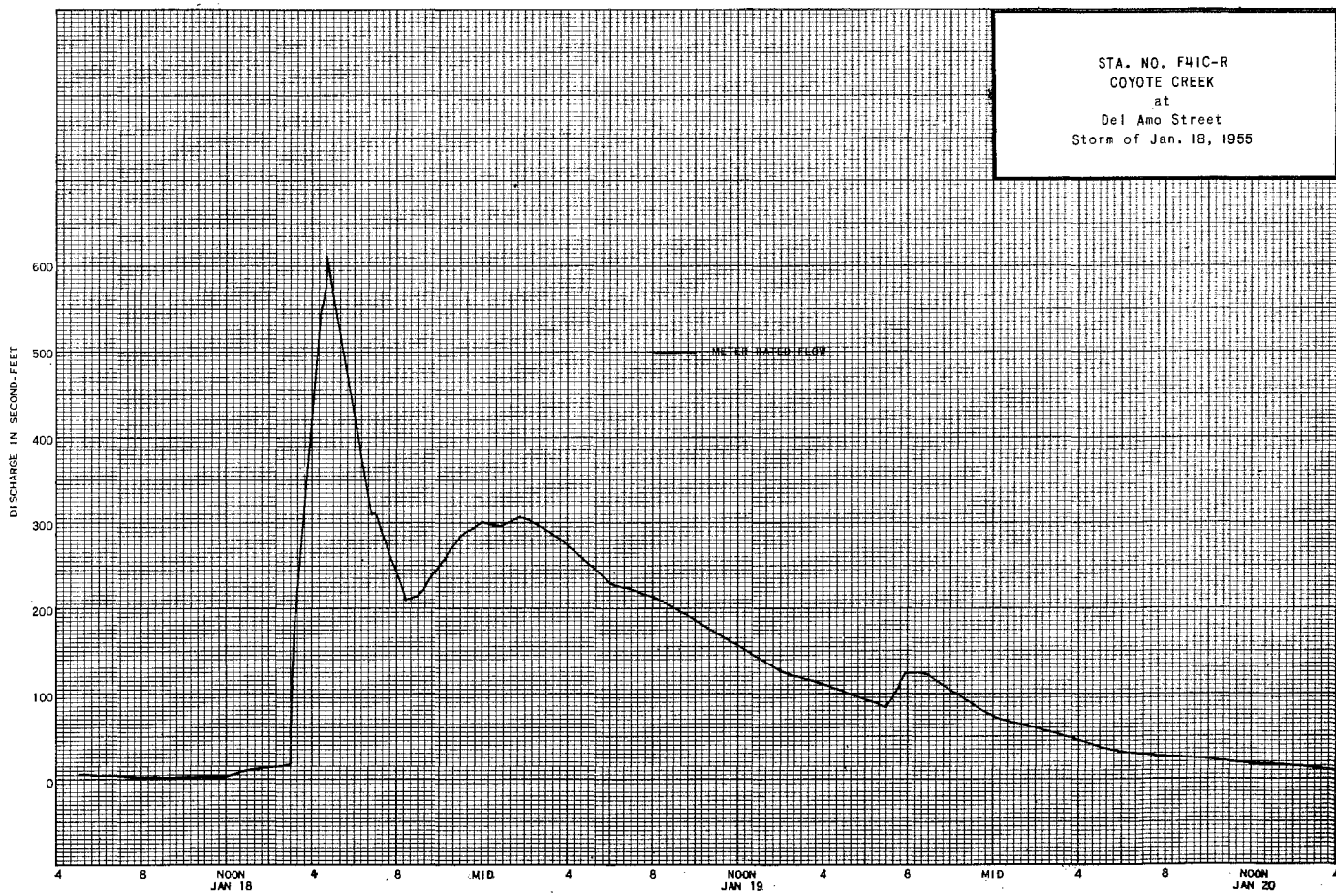
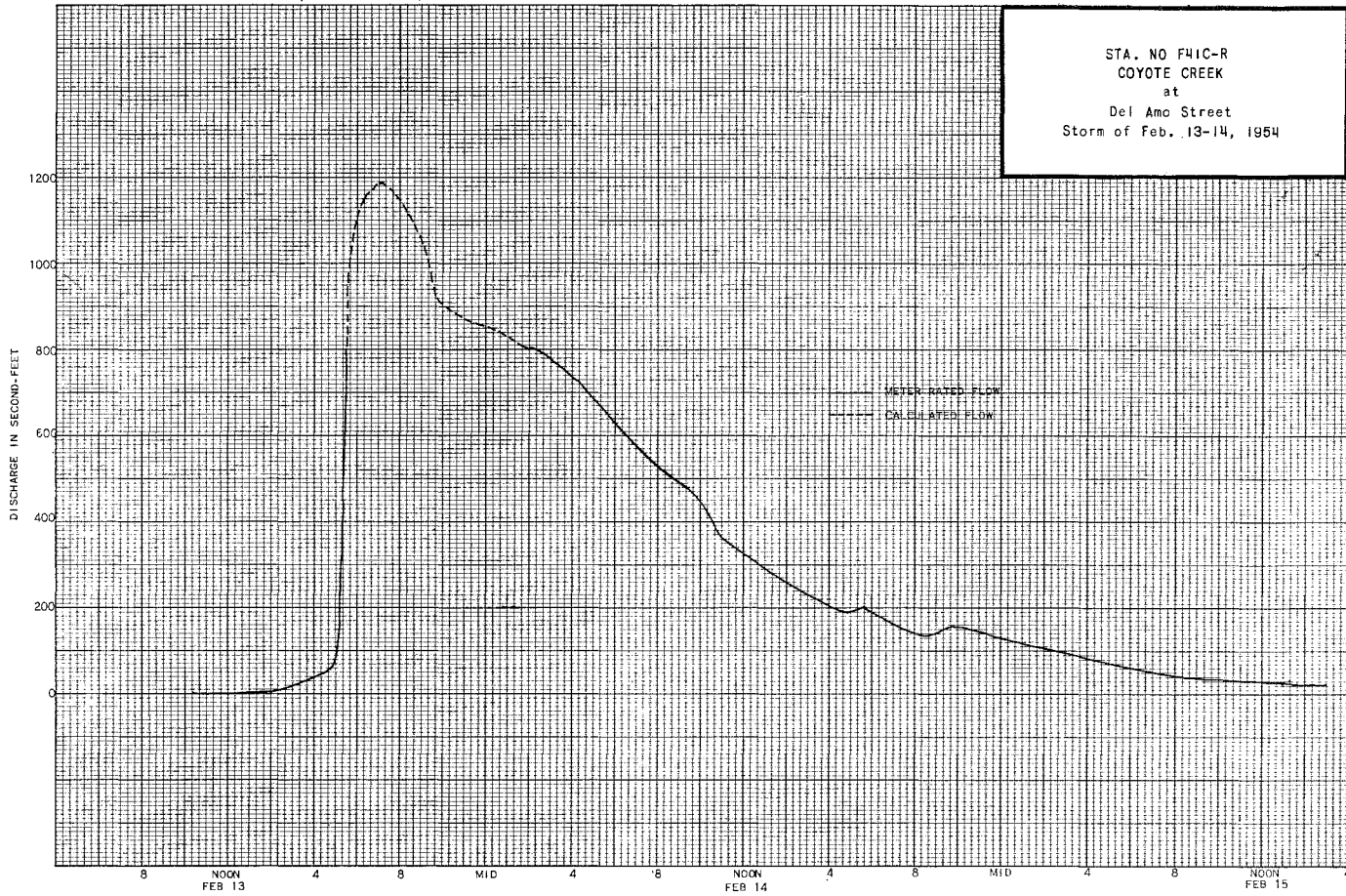
Sta. No. F41C-R

Daily discharge, in second-feet of COYOTE CREEK at Del Amo Street for the year ending September 30, 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	+	0.1	0.6	5.5	1.1	c 0.1	c 1.3	0.1	0.1	0.1	+
2	0	+	0.1	4.9	2.1	0.4	0.1	7.3	0.1	0.1	0.1	+
3	0	0.1	0.1	1.0	1.9	0.4	+	2.0	0.1	0.1	0.1	+
4	0	0.1	0.1	0.2	1.3	0.3		1.0	0.1	+	0.1	+
5	0.2	0.1	0.1	0.2	0.9	0.3		0.7	0.1		0.1	+
6	0.4	0.1	0.1	0.2	0.6	0.2		1.0	0.1		0.1	+
7	0.5	0.1	0.1	3.7	0.5	0.2	+	1.7	0.1		0.1	+
8	0.4		0.1	0.8	0.4	0.2	0.1	1.0	0.1		0.1	+
9	0.1		0.1	0.5	0.3	0.2	0.1	0.5	0.1		0.1	+
10	+	0.1	4.6	5.9	0.2	0.1	0.1	0.3	0.1	+	0.1	+
11	0	1.4	1.6	1.8	0.2	c 0.1	0.1	0.2	0.1	0.1	0.1	+
12	0.1	5.3	0.9	2.7	0.2	0.1	0.1	0.2	0.1	0.1	0.1	+
13	0.1	2.3	0.4	1.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	+
14	0.1	1.6	0.2	0.8	0.2	0.1	0.1	0.1	0.1	0.1	0.1	+
15	0.1	1.0	0.1	0.6	0.2	0.1	0.1	0.1	0.1	0.1	0.1	+
16	0.1	0.5	0.2	3.0	0.2	0.1	0.1	0.1	0.1	0.1	0.1	+
17	0.1	2.8	0.1	2.3	3.4	0.1	0.1	0.1	0.1	0.1	0.1	+
18	0.1	+	0.1	12.6	1.9	0.1	0.1	0.1	0.1	0.1	0.1	+
19	0.1		0.1	17.6	0.2	0.1	0.1	0.1	0.1	0.1	0.1	+
20	0.1		+	2.4	0.1	0.1	0.1	0.1	0.1	+	0.1	+
21	0.1		+	2.8	0.1	0.1	0.1	0.1	0.1	+	0.1	+
22	0.1		0.1	0.9	0.1	0.1	1.2	0.1	0.1		0.1	+
23	0.1		0.1	0.5	0.1	0.2	2.5	0.1	0.1		0.1	+
24	0.1		0.1	0.4	0.1	0.2	0.1	0.1	0.1		0.1	+
25	0.1	0.4	0.1	0.3	0.2	0.1	0.1	0.1	0.1		0.1	+
26	0.1	0.1	0.1	0.3	0.4	0.1	0.1	0.1	0.1	+	0.1	+
27	0.1	0.1	0.1	0.2	1.8	0.1	0.1	0.1	0.1	0.1	0.1	+
28	0.1	0.1	0.1	0.2	7.7	0.1	0.1	0.1	0.1	0.1	0.1	+
29	0.1	0.1	0.1	0.2		0.1	0.1	0.1	0.1	0.1	0.1	+
30	0.1	0.1	0.1	0.3		0.1	0.4	0.1	0.1	0.1	0.1	+
31	0.1		0.1	1.3		c 0.1		0.1	0.1	+	0.1	+
	3.4	26.2	11.1	492.4	31.0	5.7	6.3	30.8	2.3	1.3	0.6	
MEAN	0.11	0.87	0.36	15.9	1.11	0.18	0.21	0.99	0.08	0.04	0.02	+
ACRE- FEET	6.7	52.	22.	977.	62.	11.	13.	61.	4.6	2.6	1.2	+

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN ACRE-FEET 1.67 1220.



STATION F283-R  
DOMINGUEZ CHANNEL at Rosecrans Street

LOCATION: WATER-STAGE RECORDER, LAT.  $33^{\circ}54'06''$ , LONG.  $118^{\circ}19'14''$ , 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, 1955.

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 Boulevard

LOCATION: WATER-STAGE RECORDER, LAT.  $33^{\circ}51'21''$ , LONG.  $118^{\circ}16'40''$ , ON THE DOWNSTREAM SIDE OF HARBOR BOULEVARD. ELEVATION OF ZERO GAGE HEIGHT 0.00 FEET.

CHANNEL AND CONTROL: NATURAL ADOBE CHANNEL.

RECORDS AVAILABLE: WATER-STAGE RECORDER RECORDS AVAILABLE FROM JANUARY 5, 1942 TO SEPTEMBER 30, 1955.

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

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

STATION F265-R  
DOMINGUEZ CHANNEL at Carson Boulevard

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

DRAINAGE AREA: 56 SQUARE MILES.

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

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

RECORDER: INSTALLED NOVEMBER 23, 1938 OVER AN 18-INCH DIAMETER CORRUGATED IRON PIPE STILLING WELL. AN H.C.F. RECORDER WAS IN SERVICE FROM OCTOBER 1, 1953 TO SEPTEMBER 30, 1955.

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

DIVERSIONS: NONE.

RECORDS AVAILABLE: NOVEMBER 23, 1938 TO SEPTEMBER 30, 1955. FOR PREVIOUS RECORDS, SEE EARLIER REPORTS ON STATION F46-R, NIGGER SLOUGH AT WILMINGTON AVENUE.

EXTREMES OF DISCHARGE:

1953-54  
MAXIMUM 705 SECOND-FEET FEBRUARY 14.  
MINIMUM 4.3 SECOND-FEET JUNE 4.

1954-55  
MAXIMUM 257 SECOND-FEET JANUARY 19.  
MINIMUM 6.9 SECOND-FEET VARIOUS TIMES

1938-55  
MAXIMUM 1410 SECOND-FEET, JANUARY 18, 1952.  
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 Carson Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 1954

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAT. INS.	METH. DD.	MEAS. REC. NO.	D. CHANGE TOTAL	HT. METER NO.
652	10-1	1134 1150	BONAD IMAN	18.0	9.36	0.98	6.03	9.2	.6	9	0	FC19	
653	10-8	1112 1122	"	18.0	9.28	0.95	6.04	8.8	.6	8	0		
654	10-15	1134 1154	"	16.0	8.51	0.85	6.01	7.2	.6	11	0		
655	10-21	1023 1034	"	18.0	6.84	1.03	6.01	7.0	.6	11	0		
656	10-29	1126 1138	"	18.5	7.70	1.02	6.01	7.9	.5	9	0		
657	11-5	1124 1136	"	18.0	6.46	0.87	6.02	5.6	.6	10	0		
658	11-10	0955 1006	"	18.0	6.18	1.15	6.02	7.1	.5	9	0		
659	11-12	1054 1102	"	17.0	6.10	1.24	6.01	7.6	.5	6	0		
660	11-19	1124 1146	"	18.0	8.33	1.34	6.02	11.2	.6	9	0		
661	11-25	1036 1048	"	16.0	8.35	0.99	6.00	8.3	.6	9	0		
662	12-3	1044 1059	"	17.0	7.71	0.96	6.03	7.4	.6	12	0		
663	12-11	0956 1009	"	18.0	9.04	1.08	6.01	9.8	.6	10	0		
664	12-17	1100 1114	"	17.0	7.92	1.10	5.98	8.7	.6	10	0		
665	12-23	1046 1100	"	18.0	8.67	0.95	5.99	8.2	.6	10	0		
666	12-31	1056 1108	"	18.0	9.71	1.20	6.03	11.6	.6	9	0		
667	1-7	1100 1112	"	17.0	8.64	1.11	5.99	9.6	.6	9	0		
668	1-13	1410 1437	THOMAS-BONAD IMAN	33.1	89.5	1.42	7.53	127.	.6	10	-.02		
669	1-14	1124 1138	BONAD IMAN	28.0	27.6	1.59	6.76	44.0	.6	10	-.01		
670	1-19	0959 1009	THOMAS-BONAD IMAN	33.1	97.1	1.74	7.81	169.	.6	10	+.04		
671	1-20	1418 1435	THOMAS-BONAD IMAN	33.1	142.	2.43	8.96	345.	.6	10	0		
672	1-21	1445 1457	"	31.3	104.	1.70	7.98	175.	.6	11	-.02		
673	1-24	1142 1152	"	31.3	53.8	0.78	6.50	42.1	.6	8	0		
674	1-25	1142 1142	"	33.1	99.2	1.65	7.94	164.	.6	10	+.01		
675	1-26	1140 1452	"	33.1	89.6	1.62	7.65	145.	.6	10	-.02		
676	1-27	1220 1232	BONAD IMAN	32.2	62.6	0.95	6.88	58.8	.6	10	-.02		
677	2-4	1114 1126	"	19.0	8.90	1.10	6.00	9.8	.6	9	0		
678	2-11	1118 1118	"	18.0	8.61	0.94	5.97	8.1	.6	9	0		
679	2-14	0418 0430	THOMAS-HEATHERMAN	33.1	198.	3.52	10.45	698.	.6	10	0		
680	2-14	1040 1056	BONAD IMAN	33.1	188.	3.72	10.40	699.	.6	8	0		
681	2-16	1102 1117	THOMAS	33.1	107.	1.77	8.10	190.	.6	10	0		
682	2-18	1142 1156	BONAD IMAN	33.1	65.2	0.98	6.89	63.8	.6	10	-.02		
683	2-25	1104 1116	"	16.0	8.03	1.25	6.00	10.1	.6	7	0		
684	3-4	1057 1057	"	15.0	5.68	1.16	5.97	6.6	.6	6	0		
685	3-11	1040 1050	"	16.0	6.58	1.21	5.95	8.0	.6	7	0		
686	3-17	1323 1337	THOMAS-BONAD IMAN	31.3	56.5	0.84	6.63	47.8	.6	9	+.01		
687	3-18	1118 1135	"	31.3	62.7	0.79	6.76	49.6	.6	10	0		
688	3-20	1250 1306	"	33.1	90.2	1.35	7.57	122.	.6	10	0		
689	3-21	1216 1216	"	33.0	100.	1.26	7.75	126.	.6	11	0		
690	3-22	1130 1142	BONAD IMAN-THOMAS	33.0	85.4	1.01	7.37	85.7	.6	9	+.02		
691	3-25	1157 1210	BONAD IMAN	33.0	59.2	0.72	6.66	41.4	.6	8	0		
692	3-30	1509 1515	BONAD IMAN-THOMAS	31.3	55.5	1.37	6.79	76.1	.6	9	+.02		
693	3-31	1120 1132	BONAD IMAN	31.3	62.6	1.09	6.98	68.0	.6	10	0		
694	4-8	1100 1138	"	15.0	5.95	1.26	6.00	7.5	.6	6	0		
695	4-15	1110	"	15.0	6.93	1.11	5.94	7.8	.6	6	0		
696	4-22	1050 1058	BONAD IMAN	15.0	5.34	1.25	5.95	6.7	.6	6	0	FC19	
697	4-29	1104 1112	"	16.0	6.46	1.13	5.95	7.3	.6	6	0		
698	5-6	1104 1112	"	16.0	7.10	1.27	5.96	9.0	.6	6	0		
699	5-13	1106 1114	"	17.0	5.90	1.14	5.96	6.7	.6	7	0		
700	5-20	1030 1030	"	16.0	6.30	1.33	5.96	8.4	.6	6	0		
701	5-27	1046 1056	"	15.0	5.37	1.12	5.96	6.0	.5	8	0		
702	6-3	1016 1024	"	17.0	6.26	1.10	5.95	6.9	.6	6	0		
703	6-10	1048 1058	"	14.5	5.40	1.26	5.97	6.8	.6	7	0		
704	6-17	1020 1028	"	16.0	5.45	1.15	5.96	6.3	.6	6	0		
705	6-24	1106 1114	"	17.0	8.09	1.26	5.98	9.8	.6	6	0		
706	7-1	1038 1038	"	19.0	10.3	1.32	6.08	13.6	.6	6	0		

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAT. INS.	METH. DD.	MEAS. REC. NO.	D. CHANGE TOTAL	HT. METER NO.
707	7-8	1114 1124	"	18.0	9.68	0.75	6.03	7.3	.6	7	0		
708	7-15	1444 1454	"	17.0	9.02	0.87	6.02	7.9	.6	7	0		
709	7-22	1104 1116	"	16.0	7.40	0.81	6.02	6.0	.6	8	0		
710	7-26	1412 1418	BONAD IMAN-DE MARS	18.0	9.10	0.99	6.02	9.0	.6	8	0		
711	7-29	1050 1100	BONAD IMAN	16.0	8.50	1.20	6.06	10.1	.6	7	0		
712	8-3	1120 1130	BONAD IMAN-DE MARS	19.0	9.43	0.93	6.00	8.8	.6	6	0		
713	8-5	1120 1130	BONAD IMAN	16.0	8.49	1.05	6.00	8.9	.6	6	0		
714	8-12	1044 1054	"	17.0	7.75	0.99	6.01	7.7	.6	7	0		
715	8-13	1110 1122	"	19.0	9.69	0.92	6.01	8.9	.6	9	0		
716	8-19	1050 1058	"	18.0	9.50	0.98	6.06	9.3	.6	6	0		
717	8-26	1114 1122	"	15.0	8.28	1.04	6.02	8.6	.6	6	0		
718	9-2	1138 1153	THOMAS	17.5	10.3	0.89	6.02	9.2	.6	9	0	FC51	
719	9-8	1116 1134	"	18.0	10.7	0.75	6.03	8.0	.6	10	0		
720	9-16	1043 1054	"	17.0	11.1	0.77	6.03	8.6	.6	13	0		
721	9-23	1135 1140	"	15.5	10.4	0.74	6.02	7.7	.6	9	0		
722	9-30	1135 1140	"	16.5	10.3	0.79	6.02	8.1	.6	9	0		

DISCHARGE MEASUREMENTS OF DOMINGUEZ CHANNEL

AT Carson Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 1955

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAT. INS.	METH. DD.	MEAS. REC. NO.	D. CHANGE TOTAL	HT. METER NO.
723	10-7	1104 1112	BONAD IMAN	15.0	6.73	1.19	6.00	8.0	.6	6	0	FC19	
724	10-14	1030 1040	"	16.0	8.15	1.18	6.06	9.5	.6	6	0		
725	10-21	1100 1110	"	15.0	8.15	1.12	6.06	9.1	.6	6	0		
726	10-28	1040 1050	"	15.0	7.00	1.03	6.02	7.2	.6	6	0		
727	11-4	1114 1124	"	17.0	7.94	1.07	6.00	8.5	.6	6	0		
728	11-12	1100 1120	THOMAS-BONAD IMAN	33.1	67.6	0.86	6.92	57.0	.6	12	+.01		
729	11-13	0954 1009	BONAD IMAN	33.1	66.6	1.10	7.03	73.1	.6	10	0		
730	11-18	1110 1120	"	18.0	10.9	1.20	6.11	13.1	.6	6	0		
731	11-26	1545 1600	DE MARS	19.5	14.9	0.63	6.03	9.4	.6	12	0	FC34	
732	12-2	1014 1024	BONAD IMAN	18.0	9.25	1.39	6.01	12.9	.6	6	0	FC19	
733	12-4	1425 1440	DE MARS-VAN ALLEN	18.0	10.7	0.96	6.03	10.2	.5	13	0	FC31	
734	12-9	1050 1100	BONAD IMAN	19.0	11.8	1.45	6.12	17.1	.6	6	0	FC19	
735	12-16	1054 1102	"	18.0	10.1	1.23	6.08	12.5	.6	6	0		
736	12-23	1126 1136	"	16.0	8.21	1.06	6.01	8.7	.6	7	0		
737	12-30	1010 1020	"	16.0	8.34	1.16	6.02	9.7	.6	6	0		
738	1-2	1438 1454	THOMAS-BONAD IMAN	31.3	60.1	0.83	6.81	49.9	.6	11	+.02		
739	1-7	0950 1002	BONAD IMAN	30.4	38.3	0.59	6.22	22.6	.6	8	0		
740	1-11	1517 1532	THOMAS-BONAD IMAN	38.0	95.7	1.11	7.29	106.	.6	10	-.02		
741	1-13	1130 1140	BONAD IMAN	25.0	19.8	1.19	6.41	23.6	.6	8	0		
742	1-17	1058 1112	THOMAS-BONAD IMAN	33.0	80.9	1.36	7.40	110.	.6	12	-.01		
743	1-18	2254 2315	BONAD IMAN-THOMAS	33.1	103.	1.40	8.18	144.	.6	10	-.01	FC19	
744	1-19	1500 1516	THOMAS-BONAD IMAN	33.1	126.	1.94	8.91	244.	.6	11	-.02		
745	1-20	1335 1348	BONAD IMAN	33.0	86.4	1.48	7.73	128.	.6	10	-.02		
746	1-27	1126 1140	"	17.0	9.00	1.16	6.06	10.4	.6	6	0		
747	2-3	1024 1056	"	22.5	15.3	1.67	6.36	25.6	.6	8	0		
748	2-10	1115 1124	"	17.0	8.10	1.34	6.03	10.9	.6	6	0		
749	2-17	1118 1130	THOMAS-BONAD IMAN	25.0	15.7	1.08	6.20	17.2	.6	8	0		
750	2-18	1024 1036	BONAD IMAN	31.3	53.7	0.81	6.62	43.5	.6	10	0		
751	2-24	1052 1102	"	18.0	9.25	1.23	6.05	11.4	.6	6	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. INS.	METH. G.D.	MEAN SEC. NO.	D. HT. CHANGE TOTAL	METER NO.
758	4-7	1140 1148	"	15.0	5.69	1.20	5.96	6.8		.6	6	+.01	FC20
759	4-14	1105 1114	"	15.0	6.56	1.26	5.99	8.3		.6	6	0	FC19
760	4-21	1136 1146	"	16.0	6.68	1.20	5.99	8.0		.6	6	0	"
761	4-22	1314 1327	THOMAS-BONADIMAN	33.1	79.2	1.22	7.43	96.4		.6	10	+.04	"
762	4-23	1010 1026	BONADIMAN	33.1	98.4	1.69	8.03	166.		.6	12	+.01	"
763	4-28	1134 1146	"	24.0	17.5	1.30	6.30	22.8		.6	9	0	"
764	5-1	1015 1026	"	31.3	66.5	0.91	6.87	60.4		.6	10	+.02	"
765	5-2	1356 1408	"	33.1	71.3	1.04	7.17	74.5		.6	12	+.01	"
766	5-5	1156 1210	"	23.0	13.9	1.54	6.22	21.5		.6	8	0	"
767	5-8	1052 1102	"	25.0	19.8	1.98	6.47	31.2		.6	7	0	"
768	5-12	1042 1052	"	17.0	10.6	1.12	6.09	11.9		.6	6	0	"
769	5-19	1122	"	20.0	12.4	1.08	6.09	13.4		.6	7	0	"
770	5-26	1036 1044	"	17.0	7.65	1.32	6.01	10.1		.6	6	0	"
771	6-2	1140 1150	"	18.0	8.52	1.15	6.03	9.8		.6	8	0	"
772	6-9	1034 1044	"	17.0	7.80	1.47	6.01	11.5		.6	7	0	"
773	6-16	1053 1102	"	16.0	8.05	1.23	6.01	9.9		.6	8	0	"
774	6-23	1050 1100	"	16.0	7.79	1.31	6.00	10.2		.6	6	0	"
775	6-30	1124 1130	"	16.0	7.36	1.26	6.02	9.3		.6	6	0	"
776	7-7	1102 1112	"	16.0	8.23	1.35	6.03	11.1		.6	8	0	"
777	7-14	1100 1110	"	18.0	9.01	1.26	6.02	11.4		.6	8	0	"
778	7-21	1122 1132	"	16.0	8.91	1.32	6.02	10.8		.6	8	0	"
779	7-28	1125	"	18.0	8.25	1.02	6.04	8.4		.6	9	0	"
780	8-4	1204 1212	"	16.0	6.60	1.45	6.00	9.6		.6	6	0	"
781	8-11	1124 1134	"	16.0	8.25	1.20	6.02	9.9		.6	7	0	"
782	8-18	1148 1200	"	16.5	6.62	0.53	5.99	8.8		.6	7	0	"
783	8-25	1146 1156	"	14.0	8.00	1.14	6.02	9.1		.6	8	0	"
784	9-1	1131	SADDORIS-BONADIMAN	18.0	8.87	1.20	6.07	10.6		.6	7	0	"
785	9-8	1230 1238	SADDORIS	18.8	10.5	0.99	6.05	10.4		.5	7	0	FC40
786	9-15	1245 1310	"	23.3	7.51	1.24	6.06	9.3		.5	13	0	"
787	9-22	1310 1328	"	23.3	7.04	1.48	6.07	10.4		.5	21	0	"
788	9-29	1216 1234	BONADIMAN	18.0	10.8	1.16	6.07	12.5		.6	9	0	FC19

FORM 6 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F205-R

Daily discharge, in second-feet of DOMINGUEZ CHANNEL at Carson Boulevard for the year ending September 30, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	9.3	7.2	6.6	10	9.3	8.3	35	7.2	6.6	13	8.6	9.6
2	8.9	6.6	6.6	10	9.6	7.2	20	7.6	7.2	12	8.6	9.6
3	8.9	6.6	7.2	9.6	8.6	7.6	14	7.6	7.6	9.6	9.3	9.3
4	8.6	6.0	6.6	8.6	9.6	6.6	11	10	7.2	7.9	9.3	8.9
5	8.9	5.7	6.9	9.3	9.6	7.2	10	9.6	6.6	6.6	9.3	8.6
6	8.3	6.0	6.9	9.6	9.3	6.9	9.3	9.6	6.0	6.6	8.3	8.3
7	7.6	5.7	6.9	9.3	8.6	7.9	7.2	9.6	7.9	7.2	7.6	7.9
8	8.6	6.0	8.9	8.9	8.6	7.9	7.2	8.9	8.9	7.6	9.3	7.9
9	7.9	6.6	8.9	8.9	7.9	8.6	7.6	8.3	6.9	6.9	8.6	7.9
10	9.3	7.2	8.9	9.6	7.9	8.6	7.6	8.6	6.9	6.6	8.6	8.6
11	8.9	7.9	9.6	11	8.6	7.9	6.6	7.9	7.9	5.7	8.3	8.3
12	8.3	7.9	9.6	14	8.3	8.6	6.9	7.6	7.2	6.6	7.6	8.9
13	7.6	7.9	10	9.6	16.7	8.3	7.6	7.2	6.9	7.9	9.6	8.6
14	7.9	16	10	4.9	6.74	7.9	7.9	7.6	7.6	8.3	10	6.9
15	7.9	12	10	18	4.31	8.6	8.6	6.6	7.6	8.3	8.9	10
16	8.6	26	10	10	13.6	14	7.6	6.9	6.9	6.6	9.3	9.6
17	8.6	21	8.9	7.6	10.5	4.1	7.2	7.2	6.9	6.6	10	9.3
18	8.6	14	8.9	1.7	6.6	5.1	7.6	7.6	6.6	5.4	9.3	9.3
19	8.3	11	8.3	2.9	4.4	2.7	6.9	7.9	8.3	5.4	8.9	8.3
20	8.6	12	11	3.7	2.9	1.1	7.2	8.9	7.6	5.0	8.6	8.6
21	8.6	10	10	20.4	1.8	13.6	7.2	8.9	7.9	5.7	8.6	8.6
22	8.3	10	9.3	8.3	14	9.1	6.9	8.3	8.9	5.7	8.3	6.9
23	8.6	11	9.3	4.6	12	7.4	6.6	6.9	9.6	6.6	8.3	7.9
24	7.9	9.3	9.3	5.5	11	4.6	6.3	6.9	10.0	6.6	8.6	7.9
25	7.6	7.9	8.9	16.6	10	3.8	6.3	6.9	10.0	6.9	8.6	7.2
26	7.6	9.6	9.3	15.3	9.3	3.4	6.6	6.6	9.6	8.6	8.9	6.9
27	7.9	11	9.6	6.4	9.3	2.4	7.9	6.6	8.6	10	8.6	6.9
28	8.3	8.6	9.6	3.1	8.6	2.1	8.3	6.6	8.9	10	7.9	7.9
29	7.9	7.6	11	1.7	1.7	1.9	7.9	6.6	12	11	7.9	7.9
30	7.9	6.9	11	1.3	1.3	5.4	7.9	6.3	12	10	8.3	8.3
31	7.6	1.0	1.1	1.1	1.1	6.5	6.5	6.0	10	10	8.9	8.9
256.1	291.2	277.4	1726.1	1910.1	964.1	275.6	239.0	242.8	241.9	270.9	251.8	

MEAN	8.26	9.70	8.95	55.7	68.2	31.1	9.19	7.71	8.09	7.80	8.74	8.39
TOTAL FEET	506.	577.	550.	3420.	790.	1910.	547.	474.	482.	480.	537.	499.

Remarks:

YEAR MEAN 19.0  
OR PERIOD ACRE-FEET 13800.

78074M G 6 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

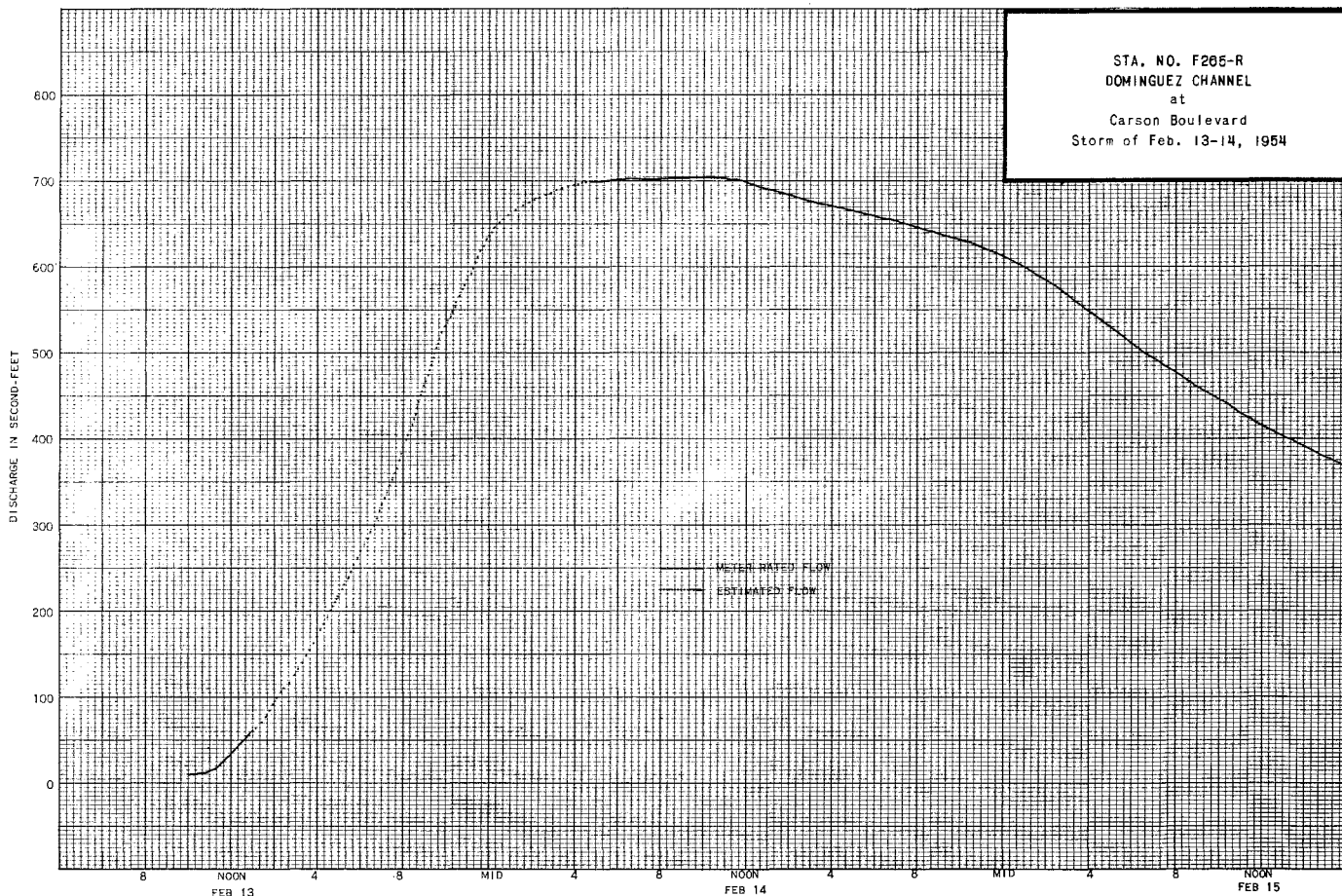
Sta. No. F265-R

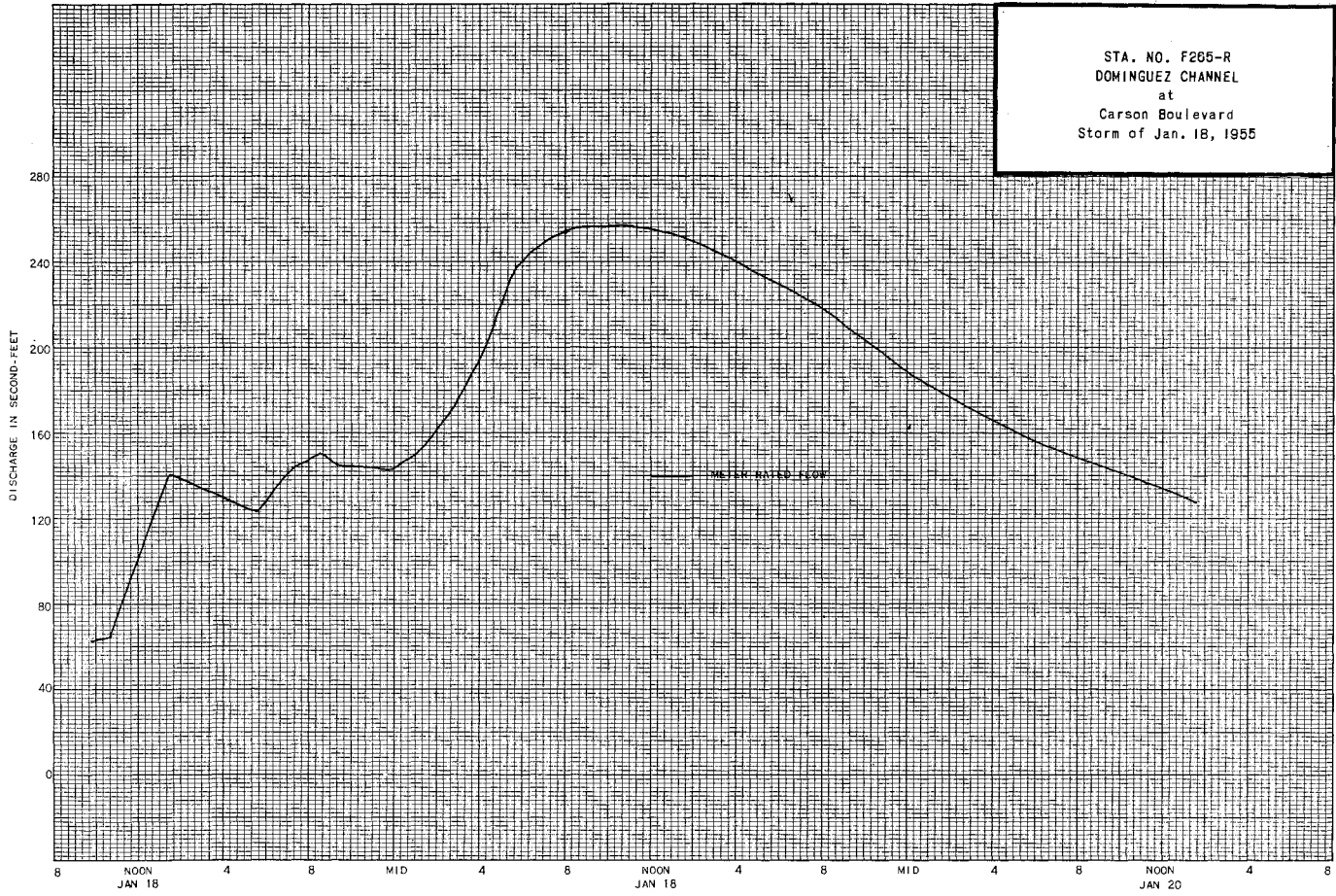
Daily discharge, in second-feet of DOMINGUEZ CHANNEL at Carson Boulevard for the year ending September 30, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	7.2	7.2	12	14	9.3	11	7.6	6.4	9.6	8.9	9.6	11
2	8.9	8.3	12	3.5	4.9	2.3	7.9	7.7	10	8.9	9.6	11
3	8.3	8.6	15	4.1	2.5	1.8	6.9	4.0	10	9.3	11	11
4	7.2	8.6	12	2.7	1.7	1.4	7.9	2.1	10	9.3	8.9	10
5	8.9	7.9	14	2.1	1.4	1.3	7.6	1.7	11	9.6	12	11
6	7.9	8.6	20	2.2	1.2	1.2	7.2	1.4	11	10	12	11
7	8.3	8.9	18	2.3	1.2	1.0	6.9	1.9	11	11	12	11
8	8.9	8.9	17	2.4	1.1	1.0	7.6	2.9	11	11	10	10
9	8.9	9.3	20	2.3	1.0	1.1	7.2	2.4	11	11	11	9.6
10	8.6	9.3	3.5	6.4	1.0	1.0	7.6	1.7	12	11	11	10
11	8.6	2.9	60	11.6	9.6	12	7.6	1.3	12	12	10	9.3
12	8.3	5.7	41	6.5	9.6	16	7.6	11	11	11	12	10
13	9.6	6.9	2.4	2.6	1.0	1.5	7.9	11	11	12	11	10
14	9.6	4.2	1.6	1.8	9.6	1.3	7.9	11	12	12	11	9.3
15	9.6	2.5	1.4	1.5	9.3	1.2	8.3	9.6	11	12	9.6	9.3
16	8.9	1.8	1.2	3.4	1.3	1.1	7.9	9.3	10	11	11	9.3
17	8.9	1.4	1.2	10.6	2.4	1.1	7.9	9.3	10	11	8.6	9.3
18	8.9	1.3	1.1	10.5	4.2	1.0	7.6	9.3	10	12	8.9	9.6
19	1.0	1.2	1.0	2.4	3.0	9.6	7.6	1.3	10	14	9.3	9.6
20	9.3	1.1	9.6	1.5	1.9	8.8	7.9	1.3	10	14	10	9.6
21	8.6	9.6	9.6	5.1	1.5	8.9	8.3	1.2	10	13	9.6	9.6
22	7.9	10	8.9	2.8	1.4	8.9	10.6	10	11	12	10	9.6
23	7.9	10	8.6	1.8	1.2	8.3	160	10	11	11	12	10
24	8.9	9.3	8.6	1.4	1.2	8.9	7.9	10	11	10	10	10
25	8.6	8.9	8.3	1.2	1.2	8.9	3.9	10	11	8.6	9.6	10
26	7.6	8.9	7.9	1.1	1.2	8.3	2.1	10	10	8.6	10	10
27	7.6	9.6	7.9	1.0	1.7	7.6	2.4	10	10	7.6	9.6	11
28	7.2	10	9.3	1.0	4.4	6.9	2.3	10	10	7.9	10	12
29	7.6	10	11	1.1		6.9	1.7	10	9.6	7.6	10	12
30	8.9	11	10	1.2		7.2	2.4	9.6	9.3	8.9	9.6	12
31	6.9		9.6	3.6		7.2		9.6		9.3	11	

	262.5	472.9	444.3	137.9	567.1	338.5	653.9	542.7	316.5	325.5	319.9	307.1
MEAN	8.47	15.8	15.6	44.5	20.2	10.9	21.8	17.5	10.6	10.5	10.3	10.2
ACRE FEET	520.	938.	961.	2740.	1120.	671.	1300.	1080.	628.	646.	635.	609.

Remarks: YEAR OR PERIOD MEAN ACRE-FEET 16.4 11850.





STATION F53-R  
DUME CREEK at Roosevelt Highway

LOCATION: WATER-STAGE RECORDER, LAT. 34°01'02", LONG. 118°49'00", ON THE DOWN-STREAM 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: LOS 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, 1953, TO SEPTEMBER 30, 1955.

REGULATION: NONE.

DIVERSIONS: NONE.

RECORDS AVAILABLE: JANUARY 15, 1930 TO NOVEMBER 26, 1937. NOVEMBER 3, 1938 TO SEPTEMBER 30, 1955.

EXTREMES OF DISCHARGE:

1953-54  
MAXIMUM 989 SECOND-FEET FEBRUARY 13.  
MINIMUM NO FLOW PART OF YEAR

1954-55  
NO FLOW ENTIRE YEAR.

1930-55  
MAXIMUM DISCHARGE NOT DETERMINED, MARCH 2, 1938.  
MAXIMUM DISCHARGE OF RECORD, ~~600~~ 2750 SECOND-FEET, JANUARY 24, 1941.  
MINIMUM NO FLOW AT TIMES EACH YEAR. *2750 December 31, 1953*

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

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

DISCHARGE MEASUREMENTS OF DUME CREEK  
AT Roosevelt Highway DURING THE YEAR ENDING SEPTEMBER 30, 1954

NO.	DATE	BSBH END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	BAT- ING	METH- OD	MEAS. REC. NO.	S. H. CHANGES TOTAL	METER NO.
215	2-13	2010 2020	MOON-SPELLMAN	42.0	32.4	6.05	5.38	196.		.6	10	+.41	FC29
216	2-14	1919 1326	" "	16.0	5.60	2.23		12.5		.5	10		"
217	3-20	0950 0958	" "	12.0	5.45	2.53	4.36	13.8		.5	8	0	"
218	3-30	0150 0200	" "	26.0	22.4	4.51	5.03	101.		.6	8	-.05	"

FORM Cb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F53-R

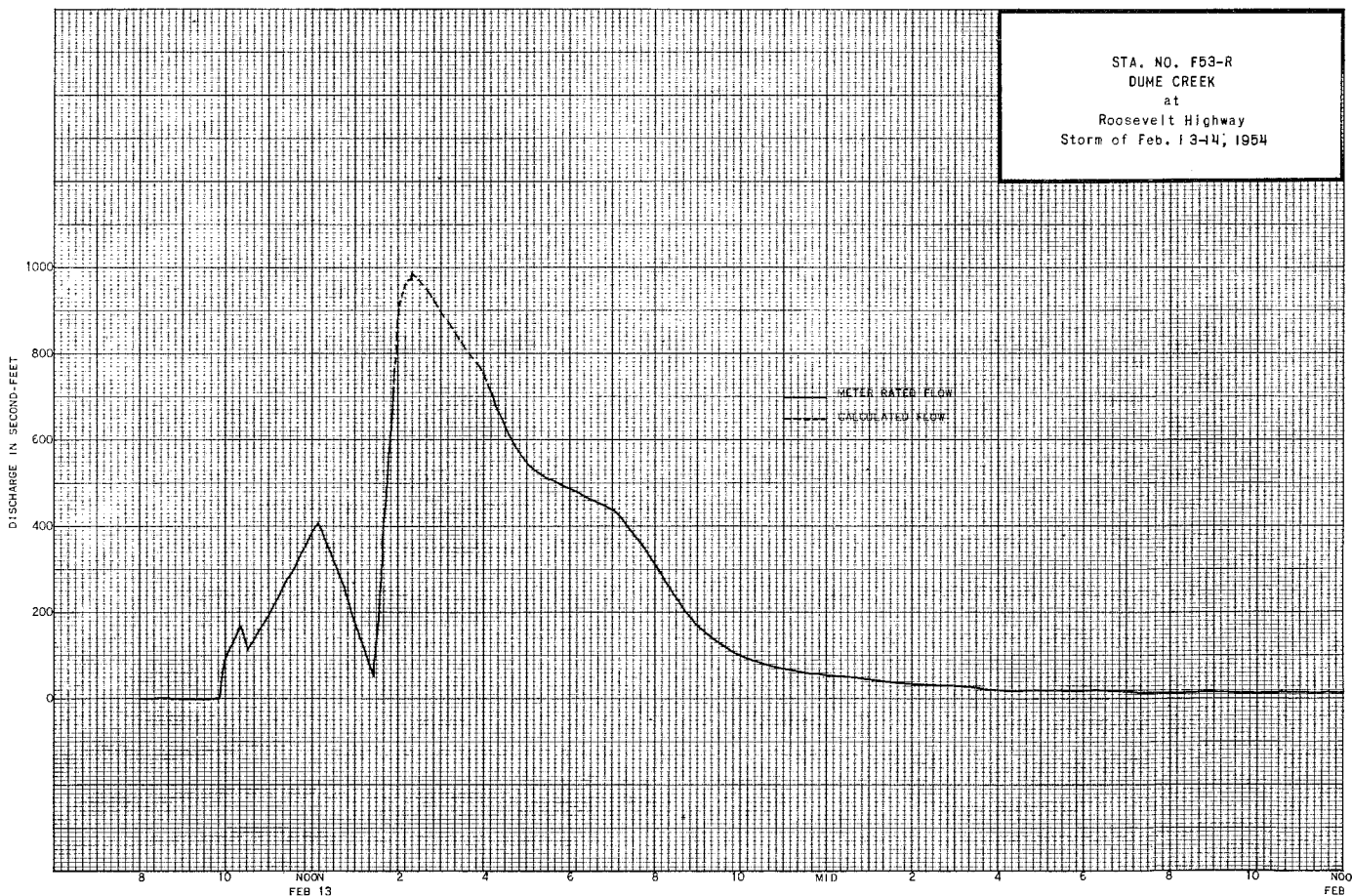
Daily discharge, in second-feet of DUME CREEK at Roosevelt Highway for the year ending September 30, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	0	0			
2	0	0	0	0	0	0	0	0	0			
3	0	0	0	0	0	0	0	0	0			
4	0	0	0	0	0	0	0	0	0			
5	0	0	0	0	0	0	0	0	0			
6	0	0	0	0	0	0	0	0	0			
7	0	0	0	0	0	0	0	0	0			
8	0	0	0	0	0	0	0	0	0			
9	0	0	0	0	0	0	0	0	0			
10	0	0	0	0	0	0	0	0	0			
11	0	0	0	0	0	0	0	0	0			
12	0	0	0	0	0	0	0	0	0			
13	0	0	0	0	22.4	0	0	0	0			
14	0	0	0	0	1.6	0	0	0	0			
15	0	0	0	0	1.0	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	0	0	0	0	0			
19	0	0	0	0	0	0	0	0	0			
20	0	0	0	0	0	0	0	0	0			
21	0	0	0	0	0	0.4	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	0	0			
29	0	0	0	0	0	0	0	0	0			
30	0	0	0	0	0	0.4	0	0	0			
31	0	0	0	0	0	2.1	0	0	0			
	0	0	0	0	24.0	26.8	0	0	0			

MEAN	0	0	0	0	8.57	0.86	0	0	0	0	0	0
ACRE- FEET	0	0	0	0	476.	53.	0	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN ACRE-  
FEET 0.73  
529.



STATION U 2-R  
EATON CREEK above Mouth of Canyon

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

DRAINAGE AREA: 6.5 SQUARE MILES.

RECORDS AVAILABLE: MARCH 1918 TO SEPTEMBER 30, 1955.

AVERAGE DISCHARGE: 37 YEARS, 2.32 SECOND-FEET. AVERAGE COMBINED DISCHARGE OF CREEK AND DIVERSION, 32 YEARS, 3.53 SECOND FEET.

EXTREMES:

1953-54  
MAXIMUM DISCHARGE 225 SECOND-FEET JANUARY 24. (GAGE HEIGHT 1.75 FEET.)  
MINIMUM NO FLOW MOST OF YEAR.  
1954-55  
MAXIMUM DISCHARGE 35 SECOND-FEET APRIL 30. (GAGE HEIGHT 1.10 FEET.)  
MINIMUM NO FLOW MOST OF YEAR.  
1918-55  
MAXIMUM DISCHARGE 2400 SECOND-FEET MARCH 2, 1938 FROM RECORD OF INFLOW TO EATON FLOOD CONTROL RESERVOIR.  
MINIMUM NO FLOW FOR SOME PERIODS IN EACH YEAR.

REMARKS: RECORDS 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, WATER RESOURCES BRANCH.

DISCHARGE MEASUREMENTS OF EATON CREEK  
above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 54

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	MEAN SEC. NO.	SL. HT. CHANGE TOTAL	METER NO.
477	1-19		U.S.G.S.	14.0	4.96	3.85	0.65	19.1		.5 +6	29	+04	
478	1-20		"	6.5	3.07	1.75	0.49	5.36		.6	14	-01	
479	1-22	1635 1645	STUNDEN	1.6	0.63	2.38	0.18	1.50		.5	5	0	FC50
480	1-25		U.S.G.S.	27.0	12.2	4.08	0.93	49.8		.5 +6	25	-02	
481	1-27		"	9.4	2.56	2.26	0.38	5.80		.5 +6	17		
482	2-14		"	17.0	7.11	2.62	0.62	18.6		.5 +6	24	0	
483	3-20		"	8.0	3.94	1.75	0.42	6.90		.5 +6	16	0	
484	3-23		"	9.0	4.40	2.48	0.49	10.9		.5 +6	19	0	
485	3-31		"	13.7	4.76	2.75	0.46	13.1		.5 +6	17	0	

DISCHARGE MEASUREMENTS OF EATON CREEK  
above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 55

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	MEAN SEC. NO.	SL. HT. CHANGE TOTAL	METER NO.
486	2-27		U.S.G.S.	5.7	1.50	2.03	0.34	3.04		.5			
	3-1		"					NO FLOW					
	3-30		"					"					
	4-29		"					"					
	5-1		"					"					
	5-30		"					"					
	6-29		"					"					
	7-31		"					"					

FD-144 Gb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. U2-R

Daily discharge, in second-feet of EATON CREEK above Mouth of Canyon for the year ending September 30, 19 54

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	2.0	0	0	0	0	0
3	0	0	0	0	0	0	3.8	0	0	0	0	0
4	0	0	0	0	0	0	1.0	0	0	0	0	0
5	0	0	0	0	0	0	0.5	0	0	0	0	0
6	0	0	0	0	0	0	0.3	0	0	0	0	0
7	0	0	0	0	0	0	0.3	0	0	0	0	0
8	0	0	0	0	0	0	0.2	0	0	0	0	0
9	0	0	0	0	0	0	0.1	0	0	0	0	0
10	0	0	0	0	0	0	0.1	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	1.4	0	0	0	0	0	0	0
14	0	0	0	0	1.3	0	0	0	0	0	0	0
15	0	0	0	0	3.3	0	0	0	0	0	0	0
16	0	0	0	0	4.7	2.0	0	0	0	0	0	0
17	0	0	0	0	0.9	2.0	0	0	0	0	0	0
18	0	0	0	0	2.2	2.0	0	0	0	0	0	0
19	0	0	0	1.5	0	2.0	0	0	0	0	0	0
20	0	0	0	2.8	0	1.0	0	0	0	0	0	0
21	0	0	0	2.1	0	1.0	0	0	0	0	0	0
22	0	0	0	1.7	0	0.5	0	0	0	0	0	0
23	0	0	0	0.6	0	0.5	0	0	0	0	0	0
24	0	0	0	2.7	0	7.1	0	0	0	0	0	0
25	0	0	0	2.7	0	3.3	0	0	0	0	0	0
26	0	0	0	1.7	0	3.2	0	0	0	0	0	0
27	0	0	0	4.9	0	3.5	0	0	0	0	0	0
28	0	0	0	1.4	0	0	0	0	0	0	0	0
29	0	0	0	0.5	0	0	0	0	0	0	0	0
30	0	0	0	0	0	2.1	0	0	0	0	0	0
31	0	0	0	0	0	1.1	0	0	0	0	0	0
	0	0	0	164.0	45.1	106.4	10.3	0	0	0	0	0

MEAN	0	0	0	5.29	1.72	3.43	0.34	0	0	0	0	0
ACRE-FOOT	0	0	0	325.	95.	211.	20.	0	0	0	0	0

Remarks: YEAR OR PERIOD MEAN ACRE-FOOT 0.70 651.

FD-144 Gb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. U2-R

Daily discharge, in second-feet of EATON CREEK above Mouth of Canyon for the year ending September 30, 19 55

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	1.1	0	0	0	0
2	0	0	0	0	0	0	0	0.8	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	0.2	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	1.5	0	0.2	0	0	0	0	0	0
11	0	0	0	0.1	0	1.2	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	0.5	0	0	0	0	0	0
17	0	0	0	0	0.2	0	0	0	0	0	0	0
18	0	0	0	4.1	0	0	0	0	0	0	0	0
19	0	0	0	1.2	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	1.3	0	0	0	0	0	0	0
28	0	0	0	0	0.9	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	3.2	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	6.9	2.4	2.0	8.2	12.0	0	0	0	0

MEAN	0	0	0	0.22	0.09	0.06	0.27	0.39	0	0	0	0
ACRE-FOOT	0	0	0	14.	4.8	4.0	16.	24.	0	0	0	0

Remarks: YEAR OR PERIOD MEAN ACRE-FOOT 0.09 63.

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 1953 TO SEPTEMBER 30, 1955.

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, 1955.

EXTREMES OF DISCHARGE:

1953-54  
MAXIMUM 72 SECOND-FEET FEBRUARY 14.  
MINIMUM NO FLOW MOST OF YEAR.

1954-55  
NO FLOW ENTIRE YEAR

1940-55  
MAXIMUM 1080 SECOND FEET, JANUARY 23, 1943.  
MINIMUM NO FLOW MOST OF EACH YEAR.

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

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

DISCHARGE MEASUREMENTS OF EATON WASH  
NEAR below Eaton Wash Dam DURING THE YEAR ENDING SEPTEMBER 30, 1954

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FEET/SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT- ING	METH- OD	MEAS. NO.	D. CHG. TOTAL	METER NO.	
118	1-25	0812 0820	STUNDEN-MURPHY	26.0	8.73	6.56	0.45	57.3			6	10	0	FC36
119	1-26	1420 1430	" "	26.0	8.09	6.49	0.40	52.5			5	10	0	"
120	1-26	1538 1549	" "	25.0	5.11	2.66	0.26	13.6			5	10	+01	"
121	1-27	0818 0826	" "	8.80	4.69	1.11	0.17	5.2			6	9	0	"
122	2-14	1043 1052	" "	25.5	9.15	7.83	0.46	71.6			6	8	0	FC12
123	2-14	1118 1126	" "	25.5	7.70	6.73	0.39	51.8			6	10	0	"

767414 Cb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F271-R

Daily discharge, in second-feet of EATON WASH below Eaton Wash Dam for the year ending September 30, 1954

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
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	+	0	0	0	0	0	0	0
14	0	+	0	0	22	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	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
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	0
24	0	0	0	0	0	+	0	0	0	0	0	0
25	0	0	0	4	0	+	0	0	0	0	0	0
26	0	0	0	3.6	0	0	0	0	0	0	0	0
27	0	0	0	2.4	0	0	0	0	0	0	0	0
28	0	0	0	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	0
31	0	0	0	0	0	+	0	0	0	0	0	0
+		+	+	73.4	22	+	0	0	0	0	0	0
MEAN	+	+	+	2.53	0.79	+	0	0	0	0	0	0
ACRE- FEET	+	+	+	156	44	+	0	0	0	0	0	0
Remarks: + = 0.05 cfs or less												
	YEAR OR PERIOD MEAN ACRE-FEET 0.28 200.											

STATION 104-R  
EATON WASH at Temple City Boulevard

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

DRAINAGE AREA: 18.4 SQUARE MILES.

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

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, 1953 TO MAY 4, 1955. REMOVED FOR CHANNEL CONSTRUCTION.

REGULATION: FLOW PARTIALLY REGULATED BY EATON WASH DAM.

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

RECORDS AVAILABLE: OCTOBER 1, 1930 TO MAY 4, 1955. FROM DECEMBER 28, 1930 TO NOVEMBER 10, 1931, THE RECORDER WAS LOCATED AT STATION F104B-R AT BROADWAY.

EXTREMES OF DISCHARGE:

1953-54  
MAXIMUM 1010 SECOND-FEET FEBRUARY 13.  
MINIMUM NO FLOW PART OF YEAR.  
1954-55  
MAXIMUM 1100 SECOND-FEET JANUARY 18.  
MINIMUM NO FLOW AT VARIOUS TIMES.  
1930-55  
MAXIMUM 2280 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 Temple City Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 1954

NO.	DATE	BEIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INS	METH. DD	MEAS. SEC. NO.	D. HT. CHANGE TOTAL	METER NO.
333	10-29	1405 1410	WADDICOR	3-0	0-52	1-73	1-49	0-90		.5	4	0	FC37
334	11-14	1635 1640	WADDICOR-BRITZMAN	35-0	13-3	3-27	1-85	43-5		.6	9	+.02	"
335	1-19	0947 0953	" "	39-0	51-4	5-48	2-42	282.		.6	8	+.05	"
336	1-25	0937 0942	" "	3-0	0-68	1-76	1-52	1-2		.5	4	-.01	"
337	2-13	1709 1719	" "	42-0	54-9	8-97	2-77	492.		.6	9	+.05	"
338	3-16	2126 2132	" "	30-0	9-60	2-08	1-78	20-0		.5	10	0	"
339	3-20	0732 0740	" "	29-0	10-4	4-07	1-91	42-3		.5	10	+.01	"
340	9-15	1306 1312	WADDICOR	2-5	0-30	0-77	1-44	0-23		.5	5	0	"

DISCHARGE MEASUREMENTS OF EATON WASH

AT NEAR Temple City Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 1955

NO.	DATE	BEIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INS	METH. DD	MEAS. SEC. NO.	D. HT. CHANGE TOTAL	METER NO.
341	11-11	0447 0458	WADDICOR-BRITZMAN	34-0	23-1	3-24	1-92	74-9		.6	9	+0.18	FC37
342	12-3	2126 2136	" "	26-0	9-04	3-16	1-80	28-6		.6	9	-.01	"
343	1-6	1509 1518	" "	25-8	5-94	2-98	1-72	17-7		.6	12	-.01	"
344	1-18	1726 1802	" "	34-0	19-4	3-59	1-75	69-6		.6	8	-.02	"
345	1-27	1400 1405	WADDICOR	6-0	1-60	1-00	1-56	1-6		.6	7	0	"
346	4-22	0930 0935	" "	3-0	0-64	2-34	1-49	1-5		.5	4	-.01	"



750143 Cb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F104-R

Daily discharge, in second-feet of EATON WASH at Temple City Boulevard (Ellis Lane) for the year ending September 30, 19 54

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	0	0	0	0	0	0	0				
2	+	0	0	0	0	0	0	0	b + 0.2			
3	+	0	0	0	0.3	0	0	0				
4	+	0	1.1	0	0.4	0	0	0.4				
5	1.3	0	0	0	0.5	0	0	0.4				
6	0.3	0	0	0	+	0	0	0				
7	0.3	0	0	0	0.4	0	0	0				
8	0.6	0	0	0	0.3	0	0	0				
9	+	+	0	0	+	0	0	0				
10	+	+	0	0	+	0	0	0				
11	+	+	0	0	+	0	0	0				
12	0.4	0	0	3.1	+	0	0	+				
13	+	0	0	0	2.0	0	0	+				
14	0	2.8	0	0	3.0	0	0	0.1				
15	0	+	0	0	0	0	0	+				
16	0	+	0	0	0	9.7	+	+				
17	0	+	0	0	0	+	+	0.1				
18	0	0	0	1.3	0	0	0	0.1				
19	0	0	0	14.3	0	0	0	0.1				
20	0	0	0	0.6	0	1.1	0	0.1				
21	0	0	0	0	0	+	0	+				
22	1.1	0	0	0	0	+	0	+				
23	0	0	0	0	+	0	0	+				
24	0	+	0	2.9	b 0.1	1.8	0	0.1				
25	0	0.3	0	5.4	b 0.1	3.3	0	0.1				
26	+	0	0	0	+	0	0	0				
27	+	0	0	0	0	0	0	0				
28	+	0	0	0	0	0	0	0				
29	0.1	0	0	0	0	1.8	0	0				
30	+	0	0	0	0	3.0	0	0				
31	0	0	0	0	0	0	0	0				
	4.9	28.3	1.1	23.1	23.4	60.6	+	2.4	0.2	+	+	+

MEAN	0.16	0.94	0.04	7.45	8.36	1.95	+	0.08	0.01	+	+	+
ACRE- FEET	9.7	56.	2.2	458.	464.	120.	+	4.8	0.40	+	+	+

Remarks: + = 0.05 cfs or less

YEAR OR PERIOD MEAN ACRE-  
PERIOD ACRE-FEET 1.54  
1120.

750144 Cb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F104-R

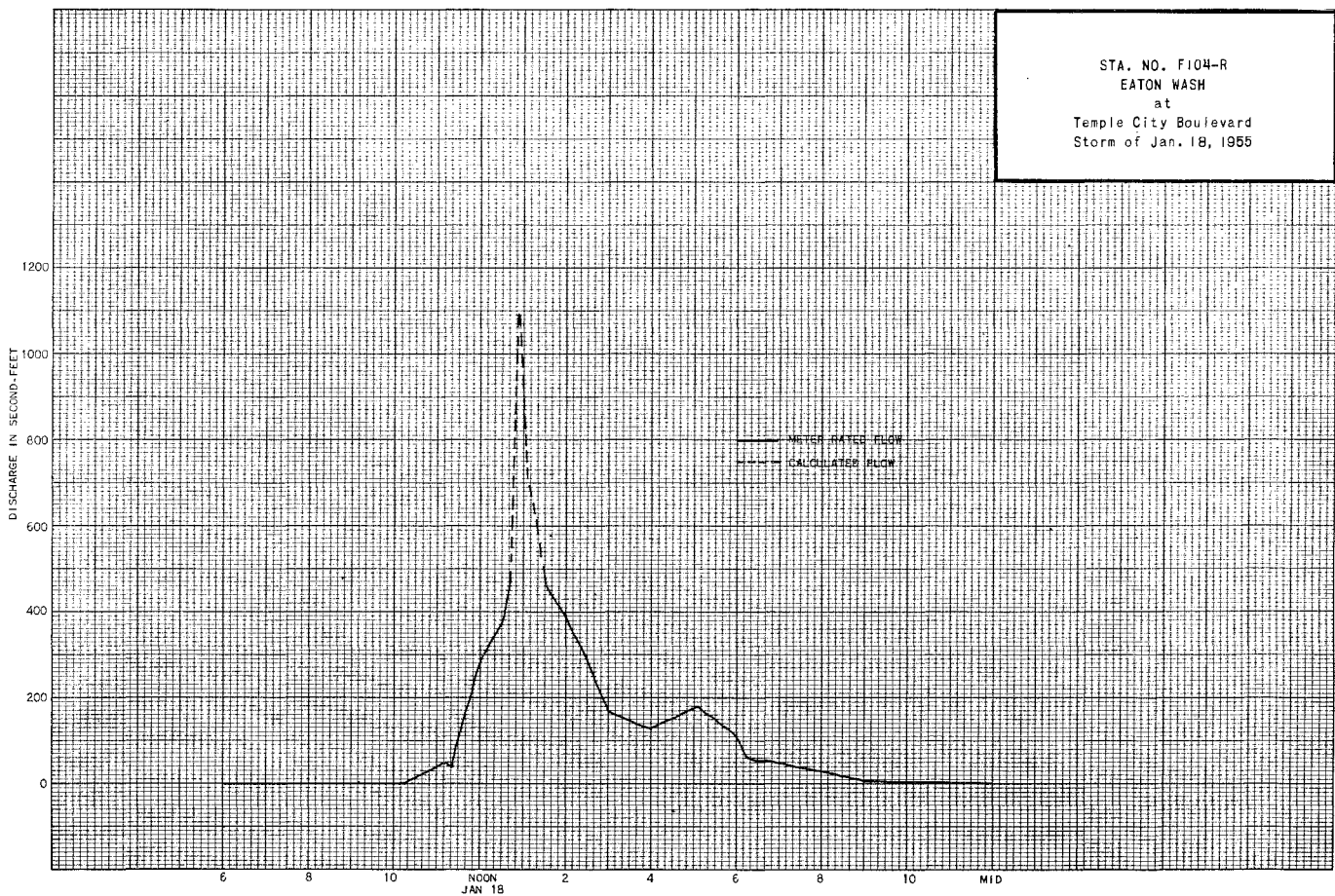
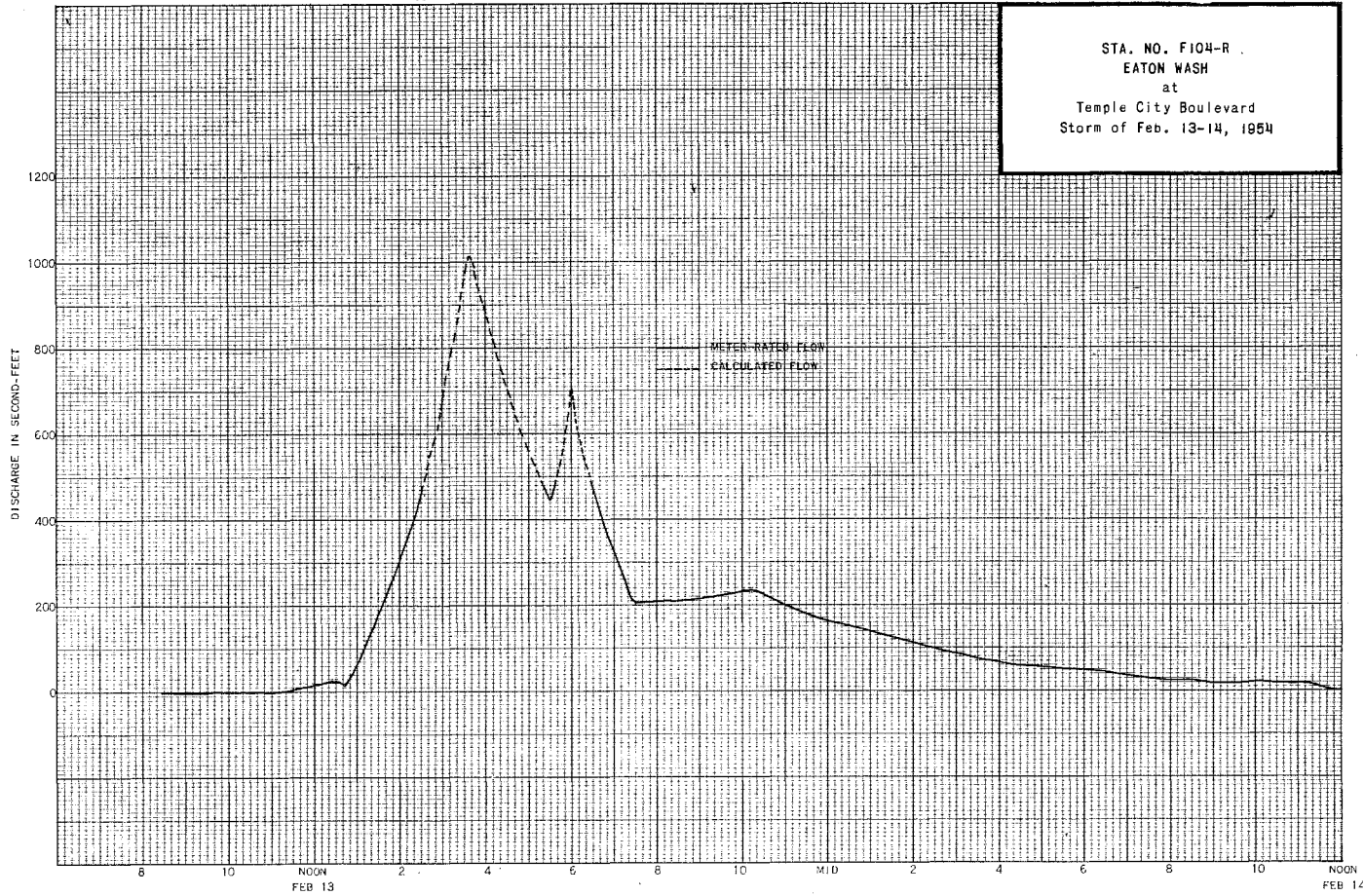
Daily discharge, in second-feet of EATON WASH at Temple City Boulevard for the year ending September 30, 19 55

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	5.5	0	0	0.3	1.4				
2	0	0	0	0	+	0	0	0				
3	0	0	5.8	0	0	0	+	0				
4	0	0	0	0	0	0	0	0				
5	0	0.1	0	0	0	0	0	0				
6	0	0	0	5.5	0	0	0	0				
7	0	0	0	0	0	0	0	+				
8	0	0	0	0	0	0	0	+				
9	0	0	3.7	0	0	0	0	+				
10	0	0.2	1.2	6.0	0	3.2	0	0				
11	0	3.5	0	+	0	3.6	0	0				
12	0	0	0	0	0	0	0	+				
13	0	0	0	0	0	0	0	+				
14	+	0	0	0	0	0	0	0				
15	+	+	0	0	0	0	0	0				
16	0	0	0	6.8	+	0	0	0				
17	0	0	0	0	0.7	0	0	0				
18	+	+	0	3.4	0	0	0	0				
19	+	+	0	0	0	0	0	0				
20	0.2	0	0	0	0	0	0	0				
21	0.1	0	0	0	0	0	0	0.6				
22	+	0	0	0	0	0	0	0.7				
23	0	0	0	0	0	0	0	0				
24	0	0	0	0.4	0	0	0	0				
25	0	0	0	0.8	0	0	0	0				
26	+	0	0	0	0.7	0	0	+				
27	0.1	0	0	1.2	0.8	0	0	0				
28	0.1	0	0	0	0	0	0	0				
29	0	0	0	0	0	0	0	0				
30	0	0	0	0.4	0	0	0	0				
31	0	0	0	0.9	0	0.8	0.8	0.2				
	0.5	35.3	10.7	166.2	1.5	7.6	16.1					

MEAN	0.02	1.18	0.35	5.36	0.05	0.25	0.54					
ACRE- FEET	1.0	70.	21.	330.	3.0	15.	32.					

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN ACRE-  
PERIOD ACRE-FEET 0.65  
472.



STATION U 7-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.1N., R.10W., 0.8 MILE UP-  
STREAM FROM MOUTH OF CANYON AND 3 MILES NORTHEAST OF DUARTE. ALTITUDE  
OF GAGE ABOUT 1000 FEET.

DRAINAGE AREA: 6.5 SQUARE MILES.

RECORDS AVAILABLE: JULY TO SEPTEMBER 1916, JULY 1917 TO SEPTEMBER 30, 1955.

AVERAGE DISCHARGE: 38 YEARS (1917-1955) 4.02 SECOND- FEET.

EXTREMES:

1953-54  
MAXIMUM DISCHARGE 376 SECOND- FEET JANUARY 25. (GAGE HEIGHT 4.17 FEET.)  
MINIMUM DAILY DISCHARGE NO FLOW DURING SEVERAL MONTHS.

1954-55  
MAXIMUM DISCHARGE 39 SECOND- FEET JANUARY 16. (GAGE HEIGHT 2.33 FEET.)  
MINIMUM DISCHARGE NO FLOW OCTOBER 1-22, JULY 13 TO SEPTEMBER 30.

1916-55  
MAXIMUM DISCHARGE ABOUT 2180 SECOND- FEET APRIL 4, 1925.  
MINIMUM NO FLOW DURING PERIODS IN OCCASIONAL YEARS.

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

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

DISCHARGE MEASUREMENTS OF FISH CREEK  
above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1954

NO.	DATE	BSRN ZND	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FEET PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT- ING	METH- OD	MEAN SEC. NO.	SL. STY. CHANGE TOTAL	METER NO.
2102	10-22		U.S.G.S.		CHANNELS		0.97	0.04		FLUME		0	
2103	11-5		"		"		1.02	0.10		"		0	
2104	11-19		"		"		1.07	0.31		"		0	
2105	11-30		"		"		1.07	0.29		"		0	
2106	12-16		"		"		1.07	0.35		"		0	
2107	12-30		"		"		1.08	0.37		"		0	
2108	1-14		"	1.4	0.70	0.77	1.08	0.54			.6	15	0
2109	1-19		"	19.3	10.8	1.92	1.98	20.7			.5	16	-.03
2110	1-22	1220 1225	STUNDEN	2.7	1.62	1.48	1.17	2.4			.6	7	0
2111	1-24		U.S.G.S.	14.0	7.73	0.99	1.53	7.63			.6	15	+ .02
2112	1-28		"	10.0	3.60	1.37	1.43	4.94			.6	16	0
2113	2-3		"	8.9	2.19	0.87	1.21	1.90			.5	15	0
2114	2-10		"	8.7	1.89	0.64	1.14	1.23			.5	18	0
2115	2-15		"	14.0	8.49	1.64	1.76	13.9			.6	16	0
2116	3-10		"	11.2	3.22	0.57	1.16	1.85			.6	14	0
2117	3-17		"	11.7	3.87	0.73	1.14	2.84			.6	16	0
2118	3-22		"	14.4	6.33	1.29	1.56	8.14			.6	14	0
2119	3-29		"	12.2	5.33	1.05	1.48	5.62			.6	22	0
2120	4-14		"	12.2	4.51	0.78	1.36	3.54			.6	25	0
2121	4-28		"	12.1	4.31	0.67	1.30	2.90			.6	16	0
2122	5-11		"	2.2	0.61	3.70	1.17	2.26			.5	12	0
2123	6-26		"	3.0	1.08	1.02	1.10	1.11			.5	17	0
2124	6-9		"	3.0	1.05	0.90	1.12	0.94			.6	17	0
2125	6-22		"	3.0	0.88	0.54	1.10	0.48			.6	17	0
2126	7-7		"	1.4	0.29	0.31	1.00	0.09			.5	9	0
2127	7-21		"	1.2	0.23	0.35	0.99	0.08			.5	8	0
2128	8-4		"				0.97	0.04		FLUME			
2129	8-5	1135	STUNDEN	0.5	0.06	1.17	0.99	0.07			.5	4	
2130	8-19		U.S.G.S.				0.95	0.02		FLUME			
2131	8-30		"				0.96	0.01		"			
2132	9-15		"				0.95	0.02		"			
2133	9-29		"				0.96	0.04		"			

DISCHARGE MEASUREMENTS OF FISH CREEK

above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1955

NO.	DATE	REG. NO.	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE CFS.	RAT. INS.	METH. NO.	Q. CHANGE TOTAL	METER NO.
2133	10-14	1300	STUNDEN	0.50	0.04	0.50	0.96	0.02	.5	4	0	FC50
2134	10-16		U.S.G.S.				0.95	0.02				
2135	10-27		"				0.96	0.04				
2136	11-10		"				1.00	0.10				
2137	11-18	1000	STUNDEN	1.30	0.42	1.00	1.04	0.42	.5	6		FC50
2138	11-24		U.S.G.S.	1.4	0.46	0.73	1.03	0.33	.6	9	0	
2139	12-2	1100	STUNDEN	1.3	0.51	1.06	1.07	0.54	.5	5	0	FC50
2140	12-8		U.S.G.S.	1.3	0.53	1.02	1.09	0.55	.6	9	0	
2141	12-16		"	2.1	0.33	2.10	1.09	0.75	.5	10	0	
2142	12-22		"	1.3	0.54	0.83	1.08	0.46	.6	9	0	
2143	12-30	1325	STUNDEN	1.3	0.55	0.91	1.09	0.50	.5	5	0	FC50
2144	1-7		U.S.G.S.	3.0	1.16	1.02	1.18	1.23	.6	18	+02	
2145	1-10		"	2.6	1.29	5.25	1.54	6.77	.6	14	0	
2146	1-13	1020	STUNDEN	2.0	0.52	2.90	1.25	1.48	.5	7	0	FC50
2147	1-21		U.S.G.S.	10.3	4.33	0.71	1.34	3.12	.6	23	0	
2148	1-26	1350	STUNDEN	2.3	0.65	1.85	1.25	1.22	.5	6	0	
2149	2-2		U.S.G.S.	10.3	3.07	0.46	1.23	1.43	.5	23	0	
2150	2-10	1200	STUNDEN	2.2	0.60	1.43	1.23	0.86	.5	7	0	FC50
2151	2-17		U.S.G.S.	10.3	3.62	0.60	1.42	2.17	.5	24	0	
2152	2-24	1130	STUNDEN	2.3	0.73	1.37	1.28	1.01	.5	6	0	FC50
2153	3-4		U.S.G.S.	9.8	3.07	0.55	1.35	1.61	.5	22	0	
2154	3-16		"	13.0	7.65	1.40	1.88	10.7	.6	20	-02	
2155	3-24	1210	STUNDEN	2.0	1.00	1.20	1.25	1.24	.5	6	0	FC50

NO.	DATE	REG. NO.	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE CFS.	RAT. INS.	METH. NO.	Q. CHANGE TOTAL	METER NO.
2156	4-1		U.S.G.S.	1.3	0.68	1.13	1.24	0.77	.6	10	0	
2157	4-8	0938	STUNDEN	2.2	0.52	1.63	1.22	0.85	.5	7	0	FC50
2158	4-14		U.S.G.S.	1.3	0.61	0.91	1.16	0.55	.6	9	0	
2159	4-21	1325	STUNDEN	2.2	0.48	1.54	1.17	0.74	.5	6	0	FC50
2160	4-27		U.S.G.S.	1.3	0.69	0.93	1.19	0.64	.6	9	-005	
2161	5-5	1035	STUNDEN	2.3	0.65	1.85	1.29	1.2	.5	6	0	FC36
2162	5-10		U.S.G.S.	2.5	0.80	2.10	1.33	1.68	.5	9	0	
2163	5-19	0830	STUNDEN	2.2	0.75	1.33	1.28	1.0	.5	7	0	
2164	5-26		U.S.G.S.	2.0	1.06	0.93	1.30	0.99	.6	12	0	
2165	6-9	1430	WHISLER	2.0	0.94	0.57	1.11	0.54	.6	7	0	FC50
2166	6-9		U.S.G.S.	2.0	0.89	0.54	1.10	0.48	.6	12	0	
2167	6-23		"	2.0	0.65	0.20	1.10	0.13	.5	6	0	
2168	7-6	0815	STUNDEN	2.0	0.20	0.75	1.05	0.15	.5	6	0	FC50
2169	7-6		U.S.G.S.				1.05	0.15				FLUME
2170	7-20		"				0.95	0.01				
2171	8-4		"				0.95	0.01				
2172	8-17		"				0.94	0.01				
2173	9-15	1040	STUNDEN				0.93	0.03				VOL.
2174	9-19		U.S.G.S.				0.93	0.01				FLUME
2174A	9-29	1125	STUNDEN	0.6	0.02	1.00	0.94	0.02				FLOATS

76743M Cb-12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. U7-R

Daily discharge, in second-feet of FISH CREEK above Mouth of Canyon for the year ending September 30, 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0.2	0.4	2.5	2.5	4.2	2.5	0.8	0.4	0	0
2	0	0	0.3	0.4	2.1	2.3	9.0	2.2	0.8	0.3	0	0
3	0	0	0.3	0.4	1.8	2.2	6.5	2.2	0.8	0.3	0	0
4	0	0	0.8	0.4	1.6	2.2	6.7	2.2	0.9	0.2	0	0
5	0	0.1	0.5	0.4	1.5	2.2	4.3	2.2	0.9	0.2	0	0
6	0	0.1	0.5	0.4	1.4	3.1	5.8	2.2	0.8	0.2	0	0
7	0	0	0.5	0.4	1.3	2.0	5.5	2.2	0.7	0.1	0	0
8	0	0	0.5	0.4	1.3	1.8	5.1	2.2	0.7	0.1	0	0
9	0	0	0.4	0.4	1.2	1.8	4.7	2.3	0.8	0.1	0	0
10	0	0	0.4	0.4	1.2	1.8	4.6	2.2	0.8	0.1	0	0
11	0	0.1	0.4	0.4	1.2	1.8	4.2	2.2	0.8	0.1	0	0
12	0	0.1	0.4	0.8	1.2	1.7	3.8	2.1	0.8	0.1	0.1	0
13	0	0.1	0.4	0.8	2.0	1.6	3.5	2.0	0.9	0.1	0	0
14	0	1.0	0.4	0.5	1.5	1.5	3.0	2.0	0.8	0.1	0	0
15	0	0.5	0.4	0.5	1.5	1.5	3.0	2.0	0.8	0.1	0	0
16	0	0.4	0.4	0.5	6.8	3.7	2.5	1.8	0.8	0.1	0	0
17	0	0.4	0.4	0.5	8.2	5.8	2.2	1.8	0.9	0.1	0	0
18	0	0.3	0.4	0.9	7.6	3.6	2.2	1.7	0.8	0.1	0	0
19	0	0.3	0.4	2.4	6.3	3.3	2.2	1.6	0.8	0.1	0	0
20	0	0.4	0.4	7.6	5.7	3.4	2.2	1.6	0.5	0.1	0	0
21	0	0.4	0.4	3.6	5.1	3.0	2.1	1.6	0.4	0.1	0	0
22	0	0.4	0.4	2.5	4.4	3.7	2.0	1.5	0.4	0.1	0	0
23	0	0.4	0.4	2.2	3.6	3.2	2.0	1.5	0.4	0.1	0.1	0
24	0	0.4	0.4	3.5	3.3	3.7	2.0	1.4	0.4	0.1	0	0
25	0	0.4	0.4	1.0	2.9	3.5	2.0	1.2	0.5	0.1	0	0
26	0	0.4	0.4	1.10	2.9	3.5	2.0	1.1	0.6	0.1	0	0
27	0	0.3	0.4	1.2	2.7	3.5	2.0	1.1	0.6	0	0	0
28	0	0.2	0.4	6.7	2.7	3.1	1.1	1.1	0.6	0	0	0
29	0	0.2	0.4	5.1	2.7	3.1	1.1	1.1	0.6	0	0	0
30	0	0.2	0.4	4.1	2.4	3.5	1.1	1.1	0.5	0	0	0
31	0	0.2	0.4	2.6	2.4	2.5	1.1	1.1	0.4	0	0	0
	0		12.8	227.6	163.2	157.5	113.6	65.0	20.6	3.6	0.4	0

MEAN DISCH. PER SEC.	0	0.25	0.41	7.34	5.83	5.08	3.79	1.77	0.69	0.12	0.01	0
REMARKS:	0	15.	25.	45.	32.	312.	225.	109.	41.	7.1	0.8	0

YEAR OR PERIOD MEAN ACRES-FEET 2.09 1510

FORM CA 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. U7-R

Daily discharge, in second-feet of FISH CREEK above Mouth of Canyon for the year ending September 30, 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0.1	0.5	1.7	1.5	2.2	0.7	7.6	0.8	0.4	0	0
2	0	0.1	0.5	2.0	1.4	1.8	0.8	3.0	0.6	0.3	0	0
3	0	0.1	1.1	1.5	1.4	1.7	0.8	1.7	0.4	0.3	0	0
4	0	0.1	1.8	0.9	1.3	1.6	0.8	1.2	0.4	0.3	0	0
5	0	0.1	0.5	0.8	1.2	1.5	0.8	1.0	0.5	0.2	0	0
6	0	0.1	0.5	1.1	1.1	1.3	0.8	0.9	0.5	0.2	0	0
7	0	0.1	0.5	1.3	1.0	1.2	0.8	2.7	0.5	0.1	0	0
8	0	0.1	0.5	0.9	0.9	1.2	0.8	2.2	0.5	0.1	0	0
9	0	0.1	0.6	0.8	0.8	1.1	0.7	1.6	0.4	0.1	0	0
10	0	0.1	1.7	5.0	0.8	1.7	0.6	1.5	0.4	0.1	0	0
11	0	3.3	0.8	3.7	0.8	3.6	0.6	1.2	0.4	0.1	0	0
12	0	0.4	0.8	2.1	0.8	1.8	0.5	1.1	0.3	0.1	0	0
13	0	0.4	0.8	1.4	0.8	1.4	0.5	1.0	0.4	0	0	0
14	0	0.4	0.8	1.1	0.8	1.2	0.5	1.1	0.5	0	0	0
15	0	0.4	0.7	1.3	0.8	1.0	0.5	0.9	0.4	0	0	0
16	0	0.4	0.7	5.3	1.0	5.2	0.5	0.9	0.4	0	0	0
17	0	0.4	0.7	4.1	2.1	2.6	0.5	0.9	0.4	0	0	0
18	0	0.4	0.6	1.5	1.6	2.0	0.6	0.8	0.3	0	0	0
19	0	0.4	0.6	1.0	1.3	1.6	0.7	0.8	0.2	0	0	0
20	0	0.4	0.5	5.1	1.2	1.5	0.7	0.8	0.2	0	0	0
21	0	0.4	0.5	3.3	1.1	1.3	0.8	0.9	0.2	0	0	0
22	0	0.4	0.5	2.9	1.1	1.3	1.8	1.1	0.2	0	0	0
23	0	0.4	0.5	2.2	1.1	1.2	0.8	1.1	0.1	0	0	0
24	0.1	0.4	0.5	1.6	1.1	1.1	0.8	1.1	0.1	0	0	0
25	0	0.4	0.5	1.4	1.1	1.0	0.8	1.1	0.3	0	0	0
26	0	0.4	0.5	1.1	1.6	0.9	0.9	0.4	0	0	0	0
27	0	0.4	0.4	1.0	4.7	0.8	0.6	0.7	0.4	0	0	0
28	0	0.4	0.4	0.9	3.5	0.8	0.5	0.5	0.4	0	0	0
29	0	0.5	0.5	0.9		0.8	0.5	0.4	0.4	0	0	0
30	0.1	0.5	0.5	1.0		0.8	6.1	0.6	0.4	0	0	0
31	0.1		0.5	1.8		0.8		0.8		0	0	
	0.4	12.1	20.5	84.0	37.9	48.0	26.8	42.1	11.4	2.3	0	0
MEAN	0.01	0.40	0.66	2.71	1.35	1.55	0.89	1.36	0.38	0.07	0	0
ACRE-FOOT	0.8	24.	41.	167.	75.	95.	53.	84.	23.	4.6	0	0

Remarks:

YEAR OR PERIOD MEAN ACRE-FOOT 0.78 567.

STATION U 12-R  
HAINES CREEK above Mouth of Canyon

LOCATION: WATER-STAGE RECORDER AND BROAD-CRESTED WEIR, LAT. 34°15'50", LONG. 118°16'15", IN NW 1/4 NW 1/4 SEC. 17, T.2N., R.13W., 15' UPSTREAM FROM MOUTH OF CANYON AND 1-1/2 MILES NORTHEAST OF TUJUNGA. ALTITUDE OF GAGE ABOUT 2430 FEET.

DRAINAGE AREA: 1.2 SQUARE MILES.

RECORDS AVAILABLE: FEBRUARY 1917 TO SEPTEMBER 1934, OCTOBER 1935 TO SEPTEMBER 30, 1955.

AVERAGE DISCHARGE: 37 YEARS, 0.15 SECOND-FOOT.

EXTREMES:

1953-54

MAXIMUM DISCHARGE 4.4 SECOND-FOET MARCH 16. (GAGE HEIGHT 1.77 FEET.)  
MINIMUM DAILY DISCHARGE NO FLOW DURING MOST OF YEAR

1954-55

MAXIMUM DISCHARGE 5.6 SECOND-FOET APRIL 30. (GAGE HEIGHT 1.80 FEET.)  
MINIMUM DAILY DISCHARGE NO FLOW DURING MOST OF YEAR.

1917-34, 1935-55

MAXIMUM DISCHARGE OF RECORD 265 SECOND-FOET MARCH 2, 1936. (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.

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

DISCHARGE MEASUREMENTS OF HAINES CREEK  
above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1954

DISCHARGE MEASUREMENTS OF HAINES CREEK  
above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1955

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FEET PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. ING	METH. CO.	MEAN REC. NO.	D. HY. CHANGE TOTAL	METER NO.	NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FEET PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. ING	METH. CO.	MEAN REC. NO.	D. HY. CHANGE TOTAL	METER NO.
636	1-26		U.S.G.S.				1.01	0.001		VOL.					1-3		U.S.G.S.										
637	2-1		"				1.03	0.001		"				648	1-17		"				1.06	0.01		EST.			
638	2-14		"	1.0	0.20	2.85	1.29	0.57		+5	6	-.01		649	1-19		"				1.04	0.02		EST.			
639	3-1		"				1.03	0.003		VOL.				650	2-1		"				1.05	0.01		EST.			
640	3-22		"				1.06	0.002		"				651	2-3		"				1.03	0.01		EST.			
641	3-31		"				1.06	0.02		EST.				652	3-1		"				1.02	0.002		FLUME			
642	4-8		"				1.06	0.01		"				653	3-30		"				1.04	0.03		EST.			
643	4-15		"				1.08	0.01		"				654	4-29		"				1.01	0.01		EST.			
644	4-30		"				1.08	0.04		"				655	6-1		"				1.00	0.01		EST.			
645	6-1		"				1.03	0.01		"					6-30		"										
646	6-30		"				1.03	0.01		"							"										
647	7-15		"				1.05	0.01		"							"										

7074M Cb 12-53

LOS ANGELES COUNTY  
 FLOOD CONTROL DISTRICT  
 HYDRAULIC DIVISION

Sta. No. U12-R

Daily discharge, in second-feet of HAINES CREEK above Mouth of Canyon for the year ending September 30, 1954

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	0.1	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	0.2	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	0.1	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0.1	0	0	0	0	0	0
31	0	0	0	0	0	0.1	0	0	0	0	0	0
	0	0	0	0.3	0.1	0.4	0	0	0	0	0	0

MEAN	0	0	0	0.01	0.004	0.01	0	0	0	0	0	0
ACRE-FOOT	0	0	0	0.6	0.2	0.8	0	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN ACRE-FOOT 0.002 1.6

F287-R Q6 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. U12-R

Daily discharge, in second-feet of HAINES CREEK above Mouth of Canyon for the year ending September 30, 19 55

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.		
1	0	0	0	0	0	0	0	0	0	0	0	0		
2	0	0	0	0	0	0	0	0	0	0	0	0		
3	0	0	0	0	0	0	0	0	0	0	0	0		
4	0	0	0	0	0	0	0	0	0	0	0	0		
5	0	0	0	0	0	0	0	0	0	0	0	0		
6	0	0	0	0	0	0	0	0	0	0	0	0		
7	0	0	0	0	0	0	0	0	0	0	0	0		
8	0	0	0	0	0	0	0	0	0	0	0	0		
9	0	0	0	0	0	0	0	0	0	0	0	0		
10	0	0	0	0	0	0	0	0	0	0	0	0		
11	0	0	0	0	0	0	0	0	0	0	0	0		
12	0	0	0	0	0	0	0	0	0	0	0	0		
13	0	0	0	0	0	0	0	0	0	0	0	0		
14	0	0	0	0	0	0	0	0	0	0	0	0		
15	0	0	0	0	0	0	0	0	0	0	0	0		
16	0	0	0	0	0	0	0	0	0	0	0	0		
17	0	0	0	0	0	0	0	0	0	0	0	0		
18	0	0	0	0.3	0	0	0	0	0	0	0	0		
19	0	0	0	0	0	0	0	0	0	0	0	0		
20	0	0	0	0	0	0	0	0	0	0	0	0		
21	0	0	0	0	0	0	0	0	0	0	0	0		
22	0	0	0	0	0	0	0	0	0	0	0	0		
23	0	0	0	0	0	0	0	0	0	0	0	0		
24	0	0	0	0	0	0	0	0	0	0	0	0		
25	0	0	0	0	0	0	0	0	0	0	0	0		
26	0	0	0	0	0	0	0	0	0	0	0	0		
27	0	0	0	0	0	0	0	0	0	0	0	0		
28	0	0	0	0	0	0	0	0	0	0	0	0		
29	0	0	0	0	0	0	0	0	0	0	0	0		
30	0	0	0	0	0	0	0.7	0	0	0	0	0		
31	0	0	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0.3	0	0	0.7	0	0	0	0	0		
MEAN:	0	0	0	0.01	0	0	0.02	0	0	0	0	0		
ACRE- FEET	0	0	0	0.6	0	0	1.4	0	0	0	0	0		
Remarks:												YEAR OR PERIOD	MEAN ACRE-FEET	0.003 2.0

STATION F287-R  
LA TUNA CREEK at Belmont Country Club

LOCATION: WATER-STAGE RECORDER, LAT. 34°14'16", LONG. 116°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 1156 FEET.

DRAINAGE AREA: 5.1 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - SAND AND GRAVEL CONFINED BY PIPE AND WIRE FENCES. CONTROL - ARTIFICIAL CONTROL 15 FEET BELOW STATION.

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. AN H.C.F. RECORDER IN SERVICE FROM OCTOBER 1, 1953 TO SEPTEMBER 30, 1955.

REGULATION AND/OR DIVERSIONS: NONE.

RECORDS AVAILABLE: MARCH 13, 1946 TO SEPTEMBER 30, 1955.

EXTREMES OF DISCHARGE:

1953-54  
MAXIMUM 26 SECOND-FEET FEBRUARY 13.  
MINIMUM NO FLOW MOST OF YEAR.

1954-55  
MAXIMUM 9.9 SECOND-FEET JANUARY 18.  
MINIMUM NO FLOW MOST OF YEAR.

1946-55  
MAXIMUM DISCHARGE OF RECORD 656 SECOND-FEET JANUARY 16, 1952.  
MINIMUM NO FLOW MOST OF EACH YEAR.

ACCURACY: FAIR.

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

DISCHARGE MEASUREMENTS OF LA TUNA CREEK

AT Belmont Country Club DURING THE YEAR ENDING SEPTEMBER 30, 19 54

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT- ING	WETH- OD	MEAN SEC. NO.	D. HT. CHANGE TOTAL	METER NO.
36	1-25	0250 0255	BLAKELY-SPELLMAN	12.0	3.55	0.76	2.90	2.7		.5	7	0	FC24
37	2-13	1826 1843	HYDE-OCAMPO	12.0	5.61	1.14	3.02	6.4		.6	10	±.01	FC35
38	2-14	1150 1200	" "	13.5	7.76	1.75	3.15	13.6		.5	12	0	"
39	2-15	0828 0849	HYDE	8.5	2.23	0.37	2.84	0.82		.5	11	0	"
40	3-20	0708 0723	DE MARS-BLAKE	7.5	2.47	0.45	2.84	1.1		.5	14	0	FC34
41	3-24	1656 1659	GODFREY	1.2	0.26	0.62	2.71	0.16		.5	4	0	FC28
42	3-30	0922 0926	BLAKELY	6.5	2.16	0.51	2.84	1.1		.5	5	0	FC53

DISCHARGE MEASUREMENTS OF LA TUNA CREEK

AT Belmont Country Club DURING THE YEAR ENDING SEPTEMBER 30, 19 55

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT- ING	WETH- OD	MEAN SEC. NO.	D. HT. CHANGE TOTAL	METER NO.
43	1-18	1225 1240	HYDE-OCAMPO	11.5	5.47	1.57	3.08	8.6		.6	11	0	FC35
44	1-18	1505 1520	" "	12.0	4.14	0.94	2.98	3.9		.5	13	-.01	"

FD-348 (Rev. 12-53)

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F287-R

Daily discharge, in second-feet of LA TUNA CREEK at Belmont Country Club for the year ending September 30, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	
1	0	0	0	0	0	0	0.3	0					
2	0	0	0	0	0	0	0.2	0					
3	0	0	0	0	0	0	0.1	0					
4	0	0	0	0	0	0	+	0					
5	0	0	0	0	0	0	+	0					
6	0	0	0	0	0	0	+						
7	0	0	0	0	0	0	+						
8	0	0	0	0	0	0	+						
9	0	0	0	0	0	0	0						
10	0	0	0	0	0	0	0						
11	0	0	0	0	0	0	0						
12	0	0	0	0	0	0	0						
13	0	0	0	0	0.2	0	0						
14	0	0	0	0	0.3	0	0						
15	0	0	0	0	0.6	0	0						
16	0	0	0	0	0.5	0	0						
17	0	0	0	0	0.1	0	0						
18	0	0	0	0	+	0	0						
19	0	0	0	0	0	0	0						
20	0	0	0	0.2	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	1.5	0	0	0						
26	0	0	0	0	0	0	0						
27	0	0	0	0	0	0	0						
28	0	0	0	0	0	0	0						
29	0	0	0	0	0	0	0						
30	0	0	0	0	0	0	0						
31	0	0	0	0	0	0	0						
	0	0	0	1.7	7.6	6.1	0.6	0	0	0	0	0	
MEAN	0	0	0	0.06	0.27	0.20	0.02	0	0	0	0	0	
ACRE- FEET	0	0	0	3.4	15.	12.	1.2	0	0	0	0	0	
Remarks:	+ = 0.05 cfs or less												
	YEAR OR PERIOD											MEAN	0.04
												ACRE-FEET	32.

FD-348 (Rev. 12-53)

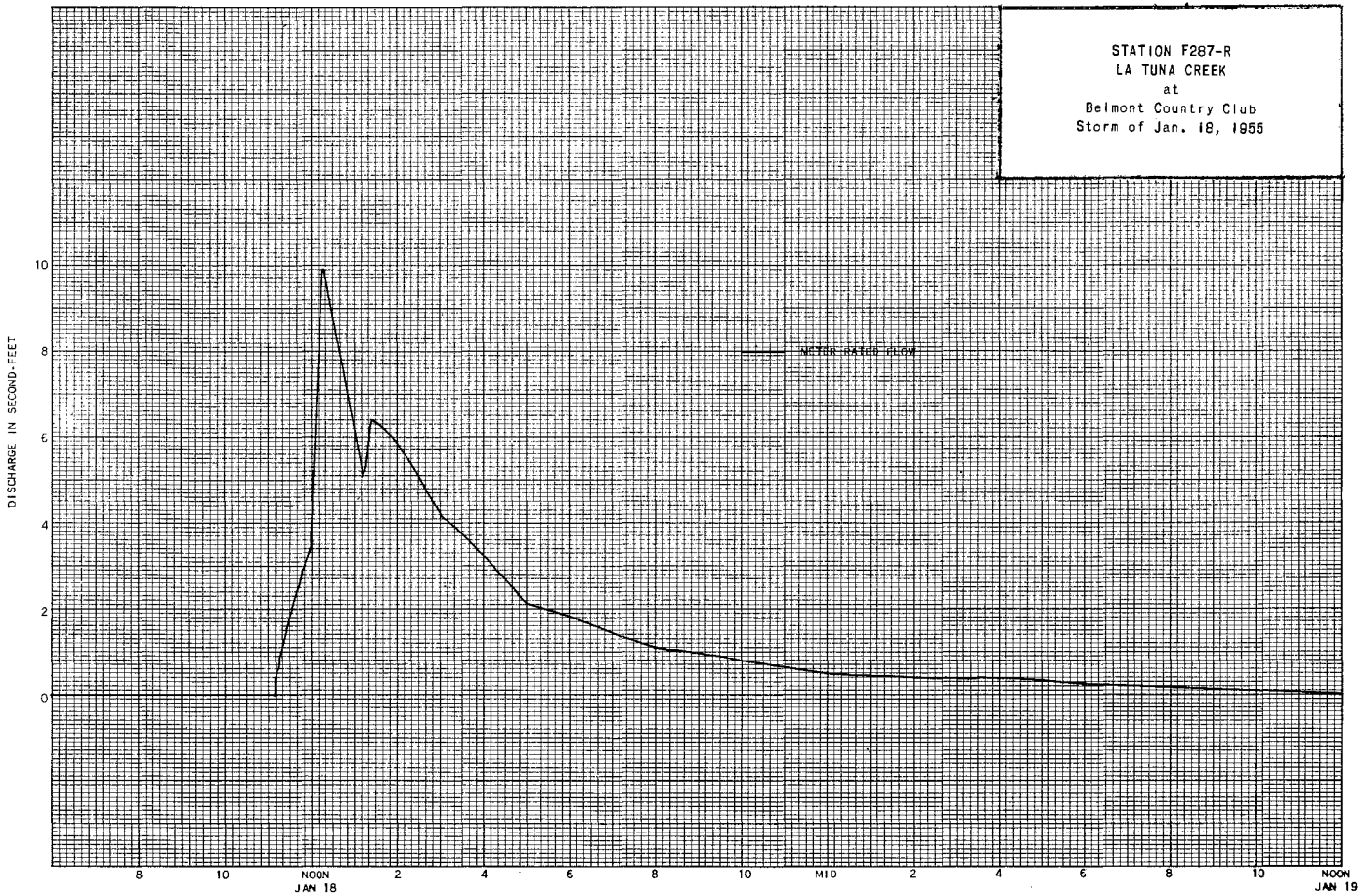
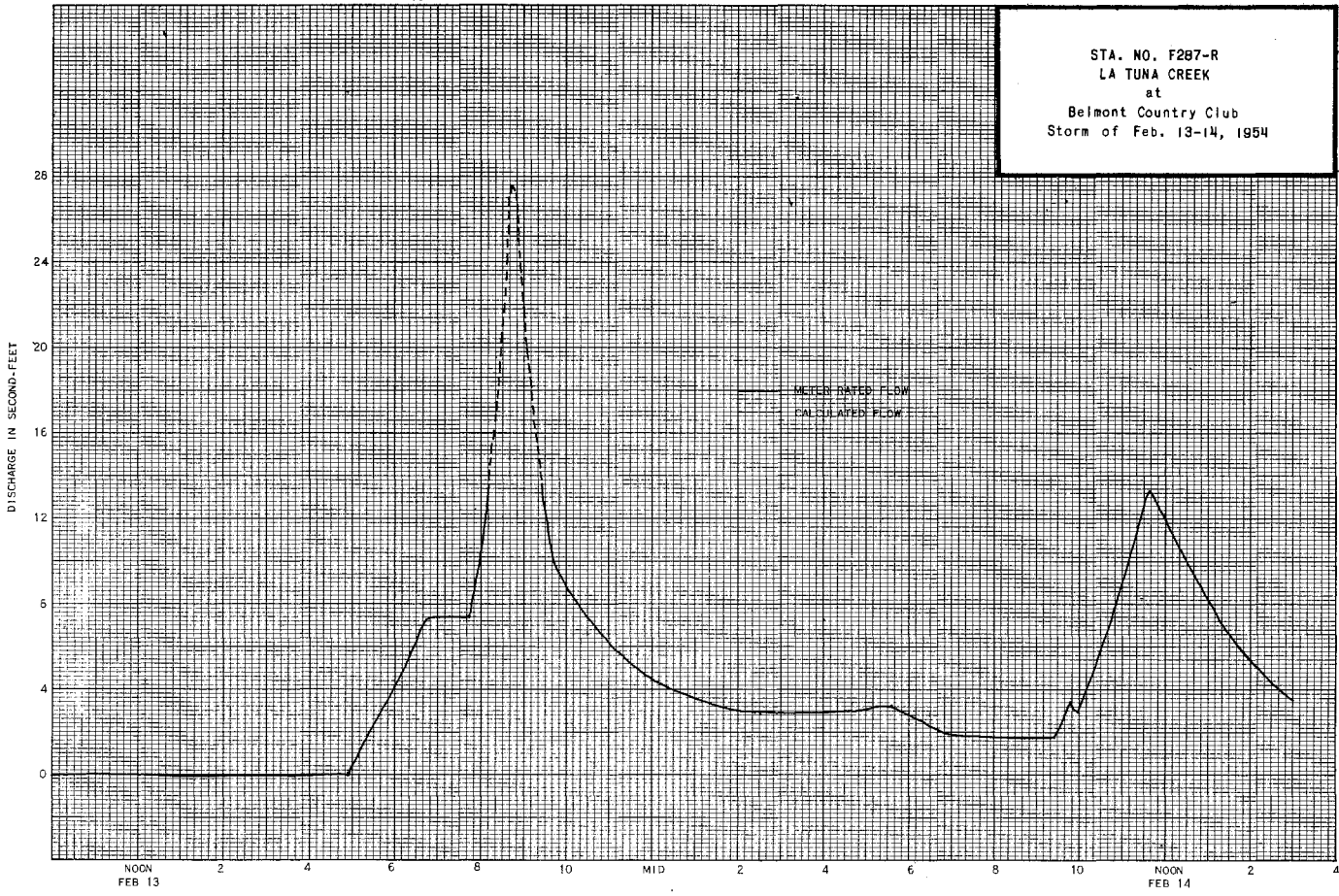
LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F287-R

Daily discharge, in second-feet of LA TUNA CREEK at Belmont Country Club for the year ending September 30, 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	
1	0	0	0	0	0	0	0	0.9					
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	+					
7	0	0	0	0	0	0	0	0					
8	0	0	0	0	0	0	0	0					
9	0	0	0	0	0	0	0	0					
10	0	0	0	0	0	0	0	0					
11	0	0	0	0	0	0	0	0					
12	0	0	0	0	0	0	0	0					
13	0	0	0	0	0	0	0	0					
14	0	0	0	0	0	0	0	0					
15	0	0	0	0	0	0	0	0					
16	0	0	0	0	0	0	0	0					
17	0	0	0	0	0	0	0	0					
18	0	0	0	1.4	0	0	0	0					
19	0	0	0	0	0	0	0	0					
20	0	0	0	0.1	0	0	0	0					
21	0	0	0	0	0	0	0	0					
22	0	0	0	0	0	0	0	0					
23	0	0	0	0	0	0	0	0					
24	0	0	0	0	0	0	0	0					
25	0	0	0	0	0	0	0	0					
26	0	0	0	0	0	0	0	0					
27	0	0	0	0	0	0	0	0					
28	0	0	0	0	0	0	0	0					
29	0	0	0	0	0	0	0	0					
30	0	0	0	0	0	0	0	0					
31	0	0	0	0	0	0	1.4	0					
	0	0	0	1.5	0	0	1.4	0.9	0	0	0	0	
MEAN	0	0	0	+	0	0	0.05	0.03	0	0	0	0	
ACRE- FEET	0	0	0	3.0	0	0	2.8	1.6	0	0	0	0	
Remarks:	+ = 0.05 CFS OR LESS												
	YEAR OR PERIOD											MEAN	0.01
												ACRE-FEET	7.6





STATION F149-R  
LIMEKILN WASH at Devonshire Street

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

DRAINAGE AREA: 3.8 SQUARE MILES.

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

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

RECORDER: INSTALLED NOVEMBER 9, 1939, MOVED TO UPSTREAM SIDE OF BRIDGE NOVEMBER 30, 1943 OVER A 12-INCH IRON PIPE STILLING WELL, AN H.C.F. RECORDER WAS IN SERVICE FROM OCTOBER 1, 1953 TO SEPTEMBER 30, 1955.

REGULATION: NONE.

RECORDS AVAILABLE: NOVEMBER 9, 1939 TO SEPTEMBER 30, 1955.

EXTREMES OF DISCHARGE:

- 1953-54  
MAXIMUM 268 SECOND-FEET JANUARY 19.  
MINIMUM NO FLOW PART OF YEAR.
- 1954-55  
MAXIMUM 49 SECOND-FEET JANUARY 18.  
MINIMUM NO FLOW PART OF YEAR.
- 1939-55  
MAXIMUM 828 SECOND-FEET JANUARY 15, 1952.  
MINIMUM NO FLOW MOST OF EACH YEAR.

ACCURACY: FAIR.

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

DISCHARGE MEASUREMENTS OF LIMEKILN WASH  
AT Devonshire Street DURING THE YEAR ENDING SEPTEMBER 30, 19 54

NO.	DATE	REG'D END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE CFS	RAT. IND.	METH. CD.	HEAR. REC. NO.	R. CHG. TOTAL	METER NO.
155	11-14	1754 1800	BLAKELY	7.0	3.15	3.34	1.82	10.5	.5	5		+01	FC24
156	1-12	0640 1645	BLAKELY-SPELLMAN	5.0	0.72	1.39	1.60	1.0	.5	6		+02	"
157	1-19	0525 0530	" "	5.0	1.13	2.30	1.54	2.6	.5	7		0	"
158	1-19	2037 2042	" "	8.0	3.23	2.76	2.08	8.9	.5	6		+05	"
159	1-24	1542 1546	" "	9.6	3.64	3.89	2.25	14.5	.6	6		0	"
160	2-13	1645 1659	BLAKELY-BLAKE	CHANNELS			2.89	24.7	.6	10		+02	"
161	3-16	2043 2044	" "	4.5	0.87	2.88	2.64	2.5	.5	5		+01	"
162	3-20	0615 0627	HYDE-OCAMPO	10.5	4.12	3.57	2.93	14.7	.5	10		+02	FC35
163	3-29	2312 2316	BLAKELY-BLAKE	7.0	2.65	5.58	2.89	14.8	.6	5		+02	FC24

DISCHARGE MEASUREMENTS OF LIMEKILN WASH  
AT Devonshire Street DURING THE YEAR ENDING SEPTEMBER 30, 19 55

NO.	DATE	REG'D END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE CFS	RAT. IND.	METH. CD.	HEAR. REC. NO.	R. CHG. TOTAL	METER NO.
164	11-12	0118 0159	BLAKELY-BLAKE	6.5	1.35	2.15	2.85	2.9	.5	6		0	FC24
165	1-6	1340 1346	" "	4.0	1.11	2.52	2.47	2.8	.5	5		+02	"
166	1-10	0529 0535	" "	4.8	2.77	4.88	2.69	13.5	.5	6		+08	"
167	1-18	1247 1253	" "	7.0	6.35	5.13	2.62	32.6	.6	6		+10	"
168	1-18	1542 1546	" "	6.6	1.65	2.85	2.04	4.7	.5	5		0	"
169	2-17	0214 0218	BLAKELY	6.2	1.08	2.40	2.06	2.6	.5	5		0	"
170	2-27	1236 1238	BLAKELY-BLAKE	6.3	2.43	4.12	2.27	10.0	.5	8		+06	"
171	4-22	0107 0111	" "	6.0	1.83	3.72	2.24	6.8	.5	5		+01	"
172	4-30	1804 1810	" "	7.5	2.93	4.30	2.97	12.6	.6	7		+01	"

76012M Cb 12-53

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, 1954

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	0.2	0	0	0	0	0	0	0	0
13	0	0	0	0	1.5	0	0	0	0	0	0	0
14	0	0	0	0	0.2	0	0	0	0	0	0	0
15	0	0.4	0	0	0	0	0	0	0	0	0	0
16	0	0.2	0	0	0	1.5	0	0	0	0	0	0
17	0	0	0	0	0.1	0	0	0	0	0	0	0
18	0	0	0	0.7	0.5	0	0	0	0	0	0	0
19	0	0	0	1.8	0	0	0	0	0	0	0	0
20	0	0	0	0.8	0	5.9	0	0	0	0	0	0
21	0	0	0.2	0	0	0	0	0	0	0	0	0
22	0	0	0.2	0	0	0.4	0	0	0	0	0	0
23	0	0	0.1	0	0	0	0	0	0	0	0	0
24	0	0	0	1.1	0	0	0	0	0	0	0	0
25	0	0	0	7.1	0	0.7	0	0	0	0	0	0
26	0.1	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	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0.2	0	0	0	0	1.4	0	0	0	0	0	0
31	0	0	0	0	0	3.3	0	0	0	0	0	0
	0.3	5.6	0.5	37.8	17.1	13.2	0	0	0	0	0	0

MEAN	0.01	0.19	0.02	1.22	0.61	0.43	0	0	0	0	0	0
ACRE- FEET	0.6	11.	1.0	75.	34.	26.	0	0	0	0	0	0

Remarks: + = 0.05 cfs or less

YEAR OR PERIOD MEAN ACRE- FEET 0.20 148.

76012M Cb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F149-R

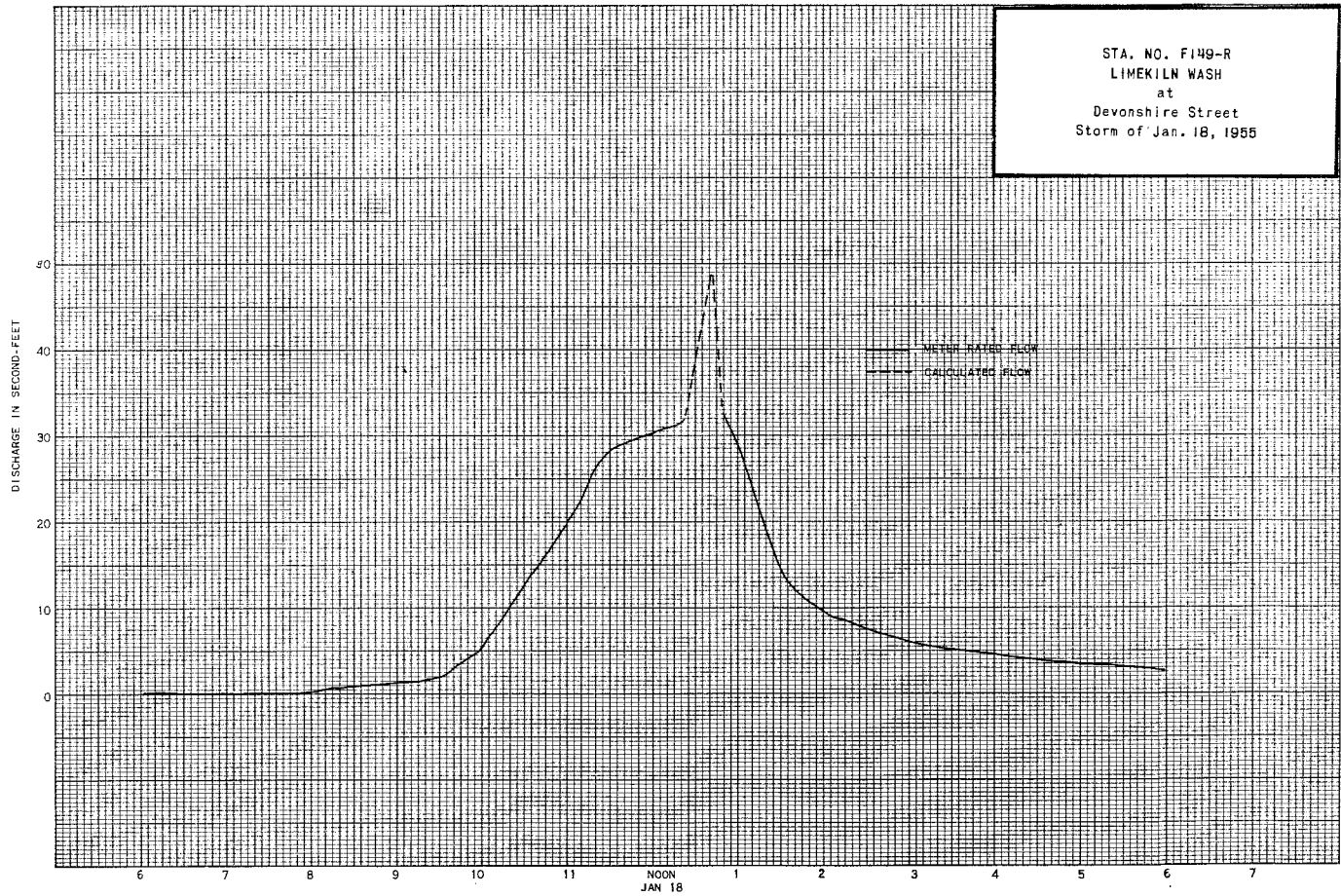
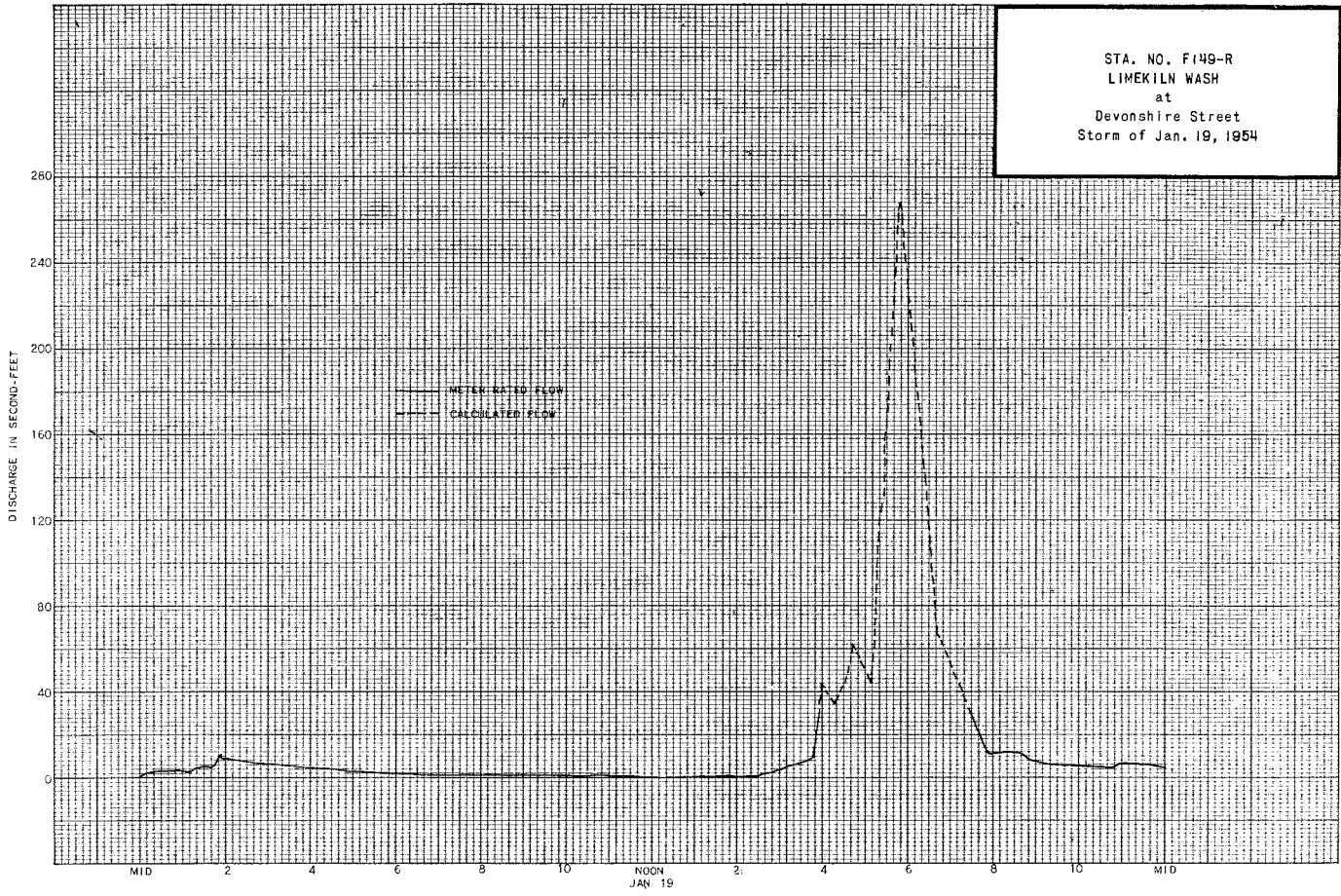
Daily discharge, in second-feet of, LIMEKILN WASH at Devonshire Street for the year ending September 30, 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0.2	0	0	0	0				
2	0	0	0	0	0	0	0	0				
3	0	0	1.4	0	0	0	0	0				
4	0	0	+	0	0	0	0	0				
5	0	0	0	0	0	0	0.7	0				
6	0	0	0.2	0.6	0	0	0.7	0				
7	0	0	0.9	0	0	0	0.5	1.4				
8	0	0	0.7	0	0	0	0.4	0				
9	0	0	1.7	+	0	0	0	0				
10	0	0	0.2	4.4	0	0.2	0	0				
11	0	0	0	0	0	+	0	0				
12	0	0.5	0	0	0	0	0	0				
13	0	0.5	0	0	0	0	0	0				
14	0	0	0	0	0	0	0	0				
15	0.5	0	0	0	0	0	0	0				
16	0.4	0	0	0.6	+	0	0	0				
17	0	0	0	0	0.3	0	0	0				
18	0	0	0	5.4	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	0.3	0				
22	0	0	0	0	0	0	1.5	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	0.7	0				
27	0	0	0	0	1.6	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	0.1	0	0	7.9	0				
31	0	0	0	0.7	0	0	0	0				
	0.9	3.5	5.1	12.0	1.9	0.2	12.7	1.4	0	0	0	0

MEAN	0.03	0.12	0.16	0.39	0.07	0.01	0.42	0.05	0	0	0	0
ACRE- FEET	1.8	7.0	10.	24.	3.8	0.40	25.	2.8	0	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN ACRE- FEET 0.10 75.



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, 0.6 MILE 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, 1953 TO SEPTEMBER 21, 1954 AND FROM NOVEMBER 22, 1954 TO SEPTEMBER 30, 1955.

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, 1955.

EXTREMES OF DISCHARGE:  
1953-54  
MAXIMUM 58 SECOND-FEET JANUARY 25.  
MINIMUM NO FLOW FOR SEVERAL MONTHS.  
1954-55  
MAXIMUM 43 SECOND-FEET JANUARY 18.  
MINIMUM NO FLOW FOR SEVERAL MONTHS.  
1929-55  
MAXIMUM 960 SECOND-FEET, ESTIMATED MARCH 2, 1938.  
MINIMUM NO FLOW SEVERAL MONTHS EACH YEAR.

ACCURACY: FAIR.

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

DISCHARGE MEASUREMENTS OF LITTLE DALTON CREEK  
above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 54

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INS.	METH. OD.	MEAN REG. NO.	Q. INT. CHANGE TOTAL	METER NO.
586	1-19	1845 1850	WHISLER-RASMUSSEN	7.0	2.93	3.07	0.61	9.0	-6	7	-01	FC5	
587	1-20	0842 0843	"	3.6	0.69	0.64	0.30	0.58	-6	7	0	"	
588	1-22	0754 0756	MIDDLETON	0.9	0.18	1.33	0.13	0.24	-6	4	0	FC26	
589	1-24	1225 1230	WHISLER-RASMUSSEN	4.5	1.13	1.24	0.31	1.4	-5	6	+01	FC5	
590	1-24	1930 1935	"	9.5	3.06	4.05	0.65	12.4	-5	8	0	"	
591	1-25	0116 0123	"	13.0	8.40	6.42	0.80	53.9	-5	7	0	"	
592	1-25	1800 1810	MOON	8.0	2.94	2.11	0.59	6.2	-5	8	0	FC29	
593	1-27	0745 0754	MIDDLETON-WHISLER	5.0	1.52	0.92	0.38	1.4	-6	6	0	FC26	
594	2-4	0813 0817	MIDDLETON	2.0	0.60	1.33	0.18	0.80	-6	5	0	"	
595	2-10	0850 0855	"	1.6	0.29	0.90	0.14	0.26	-6	5	0	FC49	
596	2-13	1805 1810	WHISLER-RASMUSSEN	10.0	4.30	2.26	0.64	9.7	-6	9	+04	FC5	
597	2-13	1859 1860	"	13.0	6.70	4.72	0.70	31.6	-6	10	+03	"	
598	2-13	2302 2308	"	8.5	3.74	3.26	0.58	12.2	-6	9	0	"	
599	2-14	1205 1210	"	8.0	2.57	1.83	0.47	4.7	-6	9	0	"	
600	2-15	1015 1031	MIDDLETON	7.6	2.42	1.16	0.42	2.8	-6	9	0	FC26	
601	2-18	0900 0912	"	6.4	1.64	1.10	0.36	1.8	-6	8	0	"	
602	2-25	0810 0812	"	4.2	1.24	0.60	0.26	0.75	-6	9	0	"	
603	3-4	0845 0901	"	5.2	1.36	0.38	0.21	0.51	-6	11	0	FC49	
604	3-11	0840 0857	"	4.9	0.99	0.48	0.18	0.48	-6	11	0	"	
605	3-16	2005 2012	MIDDLETON-RASMUSSEN	7.5	2.05	0.78	0.32	1.6	-6	8	0	FC26	
606	3-18	0750 0800	MIDDLETON	4.5	1.00	0.47	0.21	0.47	-6	9	0	"	
607	3-20	1157 1158	"	7.2	1.93	0.93	0.33	1.8	-6	8	0	"	
608	3-21	1230 1250	"	6.8	1.60	0.94	0.30	1.5	-6	8	0	"	
609	3-22	1141 1150	"	6.2	1.67	0.90	0.30	1.5	-6	9	0	"	
610	3-25	0854 0906	"	7.2	2.00	0.90	0.34	1.8	-6	8	0	"	
611	3-30	0055 0105	"	9.0	3.56	1.49	0.45	5.3	-6	9	+02	"	
612	4-1	0855 0909	"	7.4	2.18	1.01	0.38	2.2	-6	9	0	"	
613	4-8	1109 1121	"	4.8	1.32	0.91	0.32	1.2	-6	10	0	"	
614	4-15	0915 0927	"	3.9	1.10	0.88	0.27	0.97	-6	8	0	"	
615	4-22	1610 1627	"	4.6	1.10	0.64	0.20	0.71	-6	9	0	"	
616	4-29	0850 0858	"	2.0	0.40	1.25	0.21	0.50	-6	6	0	FC49	
617	5-5	1012 1020	"	2.0	0.28	1.00	0.21	0.28	-6	6	0	"	
618	5-13	0750 0758	"	2.0	0.25	0.88	0.16	0.22	-6	6	0	"	
619	5-20	0817 0825	"	2.0	0.21	0.62	0.14	0.13	-6	6	0	"	
620	5-28	1510 1518	"	2.0	0.19	0.63	0.12	0.12	-6	7	0	"	
621	6-3	0850 0856	"	1.2	0.20	0.60	0.11	0.12	-6	5	0	"	
622	6-10	0827 0832	"	1.2	0.13	0.85	0.10	0.11	-6	5	0	"	
623	6-17	0834 0842	"	1.0	0.13	0.85	0.08	0.11	-6	6	0	"	
624	6-24	0842 0845	"	0.6	0.04	0.50	0.06	0.02	-6	4	0	"	
625	7-1	0838 0840	"	0.6	0.03	0.33	0.05	0.01	-6	3	0	"	

DISCHARGE MEASUREMENTS OF LITTLE DALTON CREEK  
above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 55

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INS.	METH. OD.	MEAN REG. NO.	Q. INT. CHANGE TOTAL	METER NO.
626	1-10	0710 0718	MIDDLETON-CANAVAN	7.0	3.00	0.37	0.27	1.1	-6	8	-02	FC26	
627	1-10	1330 1336	MIDDLETON-WHISLER	3.5	0.49	1.20	0.19	0.59	-6	8	0	FC49	
628	1-11	1134 1140	"	3.1	0.48	0.90	0.14	0.43	-6	7	0	"	
629	1-13	0946 0946	MIDDLETON	2.2	0.27	0.70	0.09	0.19	-6	7	0	"	
630	1-16	1050 1055	MIDDLETON-WHISLER	3.1	0.73	1.01	0.19	0.74	-6	7	0	FC26	
631	1-18	1508 1518	WHISLER	10.0	5.6	0.77	0.41	4.3	-6	10	0	FC5	
632	1-18	2025 2047	"	10.0	4.6	0.72	0.37	3.3	-6	11	0	"	
633	1-20	0850 0858	MIDDLETON	3.5	0.86	1.15	0.21	0.99	-6	8	0	FC26	
634	1-27	0934 0942	"	2.5	0.52	0.48	0.10	0.25	-6	7	0	FC49	
635	2-1	0850 0858	"	1.9	0.36	0.44	0.08	0.16	-6	7	0	"	
636	2-3	0918 0923	"	2.0	0.42	0.36	0.08	0.15	-6	6	0	"	
637	2-10	1850 1850	"	1.2	0.09	0.56	0.06	0.05	-6	5	0	"	
638	2-17	1244 1251	"	1.4	0.21	0.71	0.08	0.15	-6	6	0	"	
639	2-24	1008 1015	"	1.4	0.13	0.46	0.05	0.06	-6	6	0	"	
640	2-27	1225 1229	MIDDLETON-BARR	1.7	0.36	0.83	0.14	0.30	-6	5	0	FC26	
641	3-2	1415 1422	MIDDLETON	1.4	0.13	0.77	0.07	0.10	-6	6	0	FC49	
642	3-10	0922 0926	"	1.5	0.15	0.33	0.06	0.05	-6	6	0	"	
643	3-11	0115 0131	MIDDLETON-BARR	9.4	3.91	0.43	0.27	1.7	-6	10	+01	FC26	
644	3-11	0924 0932	MIDDLETON	2.4	0.62	0.97	0.17	0.60	-6	7	0	"	
645	3-17	0918 0924	"	1.2	0.18	0.89	0.10	0.16	-6	5	0	FC49	
646	3-24	0914 0918	"	1.2	0.15	0.67	0.06	0.10	-6	5	0	"	
647	3-31	0859 0853	"	1.0	0.06	0.83	0.05	0.05	-6	5	0	"	
648	4-7	0943 0948	"	0.9	0.06	0.50	0.03	0.03	-6	4	0	"	
649	4-22	0938 0942	"	1.2	0.09	0.56	0.04	0.05	-6	5	0	"	
650	4-26	0824 0828	MIDDLETON	0.9	0.06	0.67	0.01	0.04	-6	4	0	FC49	
651	4-30	2230 2235	MIDDLETON-TREAT	3.4	0.98	1.37	0.36	1.4	-6	7	0	FC54	
652	5-5	0804 0910	MIDDLETON	1.9	0.20	0.65	0.23	0.13	-6	6	0	FC49	
653	5-7	0810 0819	MIDDLETON-BARR	2.0	0.26	0.69	0.25	0.18	-6	6	0	FC54	
654	5-12	0822 0826	MIDDLETON	1.9	0.23	0.57	0.23	0.13	-6	6	0	FC49	
655	5-19	0838 0842	"	0.8	0.06	0.50	0.20	0.03	-6	5	0	"	
656	5-26	0820 0823	"	0.6	0.04	0.50	0.20	0.02	-6	4	0	"	
657	6-2	0853 0858	"	0.6	0.04	0.75	0.19	0.03	-6	4	0	"	

76714M Gb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. FG5B-R

Daily discharge, in second-feet of, LITTLE DALTON CREEK above Mouth of Canyon for the year ending September 30, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	
1	0	0	0	0	0.8	0.6	2.2	b 0.4	b 0.1	+	0	0	
2	0	0	0	0	0.8	0.6	2.0	0.4	b 0.1	+	0	0	
3	0	0	0	0	0.8	0.5	f 1.9	0.4	b 0.1	0	0	0	
4	0	0	0	0	0.8	0.5	1.7	0.3	0.1	0	0	0	
5	0	0	0	0	0.6	0.5	1.6	0.3	0.1	0	0	0	
6	0	0	0	0	0.6	0.5	1.5	0.3	0.1	0	0	0	
7	0	0	0	0	0.5	0.4	1.4	0.3	0.1	0	0	0	
8	0	0	0	0	0.4	0.4	1.2	0.3	0.1	0	0	0	
9	0	0	0	0	0.3	0.4	1.1	0.3	0.1	0	0	0	
10	0	0	0	0	0.3	0.4	1.1	0.2	0.1	0	0	0	
11	0	0	0	0	0.3	0.4	1.1	0.2	0.1	0	0	0	
12	0	0	0	0	0.3	0.3	1.1	0.2	0.1	0	0	0	
13	0	0	0	0	0.3	0.3	1.1	0.2	0.1	0	0	0	
14	0	0	0	0	0.3	0.3	1.1	0.2	0.1	0	0	0	
15	0	0	0	0	0.3	0.3	b 1.0	0.2	0.1	0	0	0	
16	0	0	0	0	0.3	0.6	0.9	0.2	b 0.1	0	0	0	
17	0	0	0	0	1.7	0.7	0.9	0.1	0.1	0	0	0	
18	0	0	0	0	1.7	0.4	0.9	0.1	+	0	0	0	
19	0	0	0	3.6	1.5	0.3	0.8	0.1	+	0	0	0	
20	0	0	0	0.8	f 1.4	1.7	0.8	b 0.1	+	0	0	0	
21	0	0	0	0.2	f 1.1	1.7	0.8	0.1	+	0	0	0	
22	0	0	0	0.2	0.8	1.6	0.7	0.1	+	0	0	0	
23	0	0	0	0.2	0.8	1.6	0.7	0.1	+	0	0	0	
24	0	0	0	0.6	0.7	1.8	0.7	0.1	+	0	0	0	
25	0	0	0	0.6	0.6	1.7	0.6	0.1	+	0	0	0	
26	0	0	0	2.6	0.6	1.2	0.6	0.1	+	0	0	0	
27	0	0	0	1.2	f 0.6	1.0	0.6	0.1	+	0	0	0	
28	0	0	0	1.2	f 0.6	1.0	0.6	0.1	+	0	0	0	
29	0	0	0	1.0	0.6	1.0	0.5	0.1	+	0	0	0	
30	0	0	0	1.0	0.8	1.4	0.5	b 0.1	+	0	0	0	
31	0	0	0	0.8	0.8	2.6	b 0.5	b 0.1	+	0	0	0	
	0	0	0	48.2	37.3	30.4	31.6	5.9	1.7	+	0	0	
MEAN	0	0	0	1.55	1.33	0.98	1.05	0.19	0.06	+	0	0	
ACRE- FEET	0	0	0	96.	74.	60.	63.	12.	3.4	+	0	0	
Remarks:	+ = 0.05 cfs or less										YEAR OR PERIOD	MEAN ACRE- FEET	0.42 308.

76714M Gb 12-53

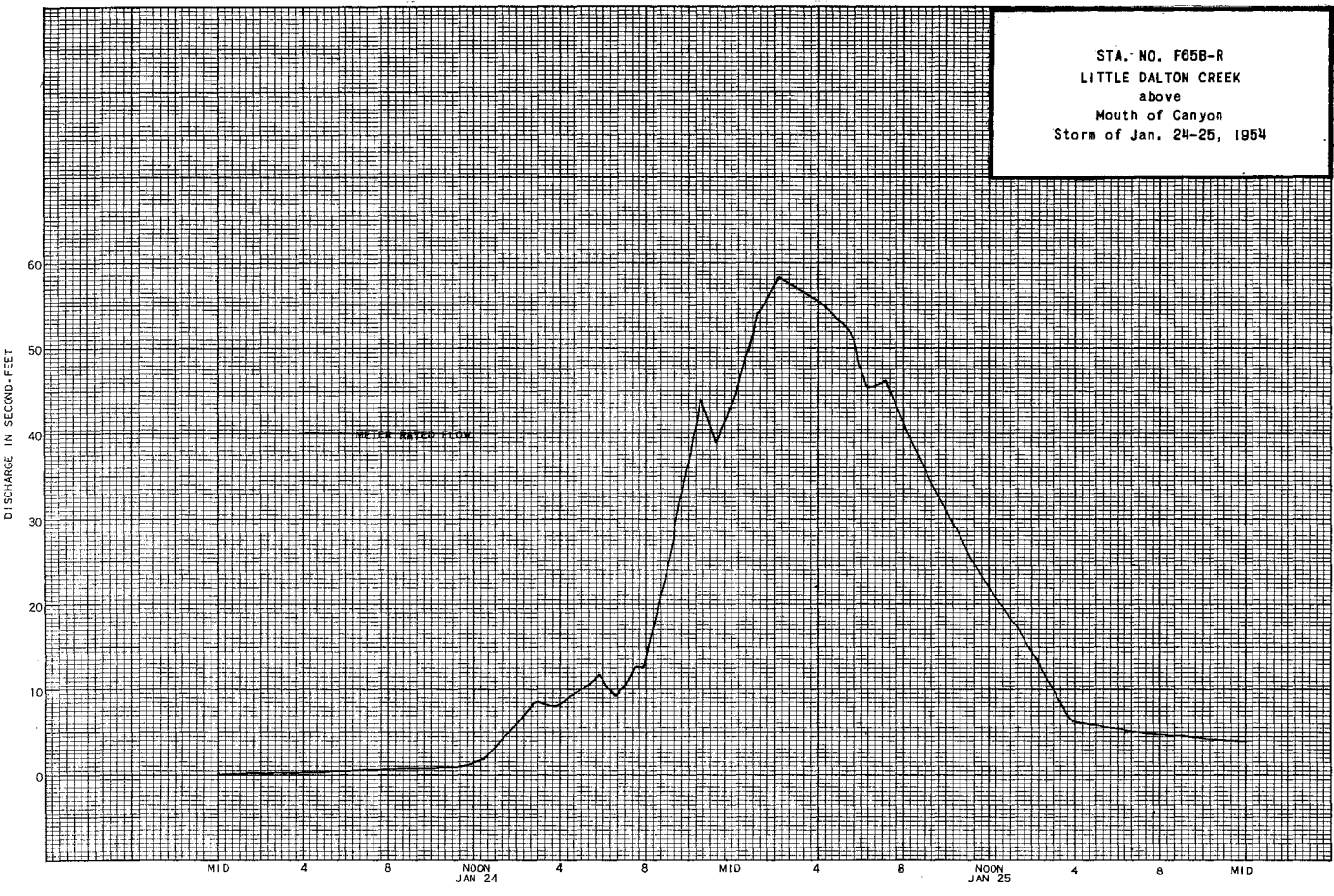
LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. FG5B-R

Daily discharge, in second-feet of, LITTLE DALTON CREEK above Mouth of Canyon for the year ending September 30, 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	
1	0	0	0	0	0.2	0.2	+	1.0	+	0	0	0	
2	0	0	0	0	0.2	0.2	+	0.5	+	0	0	0	
3	0	0	0	0	0.2	0.2	+	0.3	+	0	0	0	
4	0	0	0	0	0.2	0.1	+	0.1	0	0	0	0	
5	0	0	0	0	0.2	0.1	+	0.1	0	0	0	0	
6	0	0	0	+	0.1	0.1	+	0.1	0	0	0	0	
7	0	0	0	+	0.1	0.1	+	0.2	0	0	0	0	
8	0	0	0	+	0.1	0.1	+	0.1	0	0	0	0	
9	0	0	0	+	0.1	0.1	+	0.2	0	0	0	0	
10	0	0	0	0.6	0.1	0.1	+	0.2	0	0	0	0	
11	0	0	0	0.4	0.1	a 0.7	+	0.1	0	0	0	0	
12	0	0	0	0.3	0.1	0.2	+	0.1	0	0	0	0	
13	0	0	0	0.2	0.1	0.2	+	0.1	0	0	0	0	
14	0	0	0	0.1	0.1	0.2	+	0.1	0	0	0	0	
15	0	0	0	0.1	0.1	0.2	+	0.1	0	0	0	0	
16	0	0	0	0.5	0.1	a 0.2	+	0.1	0	0	0	0	
17	0	0	0	0.4	0.2	0.2	+	0.1	0	0	0	0	
18	0	0	0	2.1	0.2	0.2	+	0.1	0	0	0	0	
19	0	0	0	1.7	0.1	0.2	+	0.1	0	0	0	0	
20	0	0	0	1.0	0.1	0.2	+	0.1	0	0	0	0	
21	0	0	0	0.5	0.1	0.1	+	0.1	0	0	0	0	
22	0	0	0	0.5	0.1	0.1	+	0.1	0	0	0	0	
23	0	0	0	0.4	0.1	0.1	+	0.1	0	0	0	0	
24	0	0	0	0.3	0.1	0.1	+	0.1	0	0	0	0	
25	0	0	0	0.3	0.1	0.1	+	0.1	0	0	0	0	
26	0	0	0	0.3	0.1	0.1	+	0.1	0	0	0	0	
27	0	0	0	0.2	0.2	0.1	+	0.1	0	0	0	0	
28	0	0	0	0.2	0.2	0.1	+	0.1	0	0	0	0	
29	0	0	0	0.2	0.2	0.1	+	0.1	0	0	0	0	
30	0	0	0	0.2	0.2	0.1	+	0.1	0	0	0	0	
31	0	0	0	b 0.3	0.3	+	0.5	+	0	0	0	0	
	0	0	0	10.8	3.7	4.5	0.5	3.4	0	0	0	0	
MEAN	0	0	0	0.35	0.13	0.15	0.016	0.11	+	0	0	0	
ACRE- FEET	0	0	0	21.	7.3	8.9	1.0	6.7	+	0	0	0	
Remarks:	+ = 0.05 CFS OR LESS										YEAR OR PERIOD	MEAN ACRE- FEET	0.06 44.9

STA. NO. F05B-R  
 LITTLE DALTON CREEK  
 above  
 Mouth of Canyon  
 Storm of Jan. 24-25, 1954



STATION L I-R  
 LITTLE ROCK CREEK above Little Rock Dam

LOCATION: WATER-STAGE RECORDER, LAT 34°27'150", LONG 118°01'05", ON THE RIGHT (EAST) BANK ABOUT 2 MILES ABOVE LITTLE ROCK PALMDALE IRRIGATION DISTRICT'S DAM, APPROXIMATELY 1500 FEET UPSTREAM FROM SANTIAGO CREEK AND 5 MILES SOUTH OF LITTLE ROCK. ELEVATION OF GAGE ABOUT 3290 FEET.

DRAINAGE AREA: 49.2 SQUARE MILES.

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

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

RECORDER: INSTALLED SEPTEMBER 1930. WASHED OUT DURING MARCH 2, 1938 STORM. REINSTALLED MARCH 31, 1938. STATION DISMANTLED MAY 20, 1943 AND MOVED ABOUT 500 FEET UPSTREAM OVER A 24-INCH CORRUGATED IRON PIPE STILLING WELL. A STEVENS A35 WAS IN SERVICE FROM OCTOBER 1, 1953 TO SEPTEMBER 30, 1955.

REGULATION: NONE.

RECORDS AVAILABLE: OCTOBER 1, 1930 TO SEPTEMBER 30, 1955.

EXTREMES OF DISCHARGE:

- 1953-54  
 MAXIMUM 655 SECOND- FEET JANUARY 25.  
 MINIMUM NO FLOW OCTOBER AND PART OF NOVEMBER.
- 1954-55  
 MAXIMUM 236 SECOND- FEET NOVEMBER 11.  
 MINIMUM LESS THAN 0.05 SECOND- FOOT IN OCTOBER AND SEPTEMBER.
- 1930-55  
 MAXIMUM 17000 SECOND- FEET, ESTIMATED MARCH 2, 1938.  
 MINIMUM NO FLOW AT TIMES EACH YEAR.

ACCURACY: GOOD.

OPERATION: ORIGINALLY LOCATED AND INSTALLED BY LITTLE ROCK PALMDALE IRRIGATION DISTRICT. REINSTALLED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT AND OPERATED IN COOPERATION WITH THE U.S.G.S. WATER RESOURCES BRANCH.

DISCHARGE MEASUREMENTS OF LITTLE ROCK CREEK

above Little Rock Dam

DURING THE YEAR ENDING SEPTEMBER 30, 1954

DISCHARGE MEASUREMENTS OF LITTLE ROCK CREEK

above Little Rock Dam

DURING THE YEAR ENDING SEPTEMBER 30, 1955

NO.	DATE	SECT. NO.	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAT. INB.	METH. CD.	MEAS. NO.	S. NO. OF CHANGE TOTAL	METER NO.
305	11-14	1010 1018	MIDDLETON-DE MARS	4.60	1.65	0.42	3.47	0.70	.6	8	0	FC6	
306	11-14	1342 1350	" "	3.60	1.35	0.80	3.52	1.1	.6	8	0	"	
307	11-14	1540 1550	" "	4.0	1.62	0.93	3.57	1.5	.6	9	0	"	
308	11-19	1144 1149	DE MARS-TURNER	4.0	1.50	1.00	3.62	1.5	.6	9	0	FC43	
309	11-27	0915 0925	TURNER	10.0	4.11	0.39	3.62	1.6	.6	9	0	"	
310	12-10	0950 1000	"	10.0	4.65	0.39	3.68	1.8	.6	9	0	"	
311	12-22	1055 1105	"	10.4	4.78	0.38	3.67	1.8	.6	9	0	"	
312	1-6	1107 1116	"	10.1	5.03	0.40	3.70	2.0	.6	9	0	"	
313	1-14	1140 1153	DE MARS-TURNER	11.1	5.76	0.50	3.76	2.9	.6	10	0	FC6	
314	1-19	1107 1121	MIDDLETON-DE MARS	43.0	50.2	2.42	5.09	121.	.6	16	-.04	"	
315	1-19	1830 1846	" "	45.0	40.9	1.96	4.75	80.1	.6	17	-.01	"	
316	1-19	1850 1859	" "	42.5	40.1	2.02	4.80	81.9	.6	16	0	"	
317	1-19	2210 2230	" "	45.0	46.8	2.20	4.95	103.	.6	17	0	"	
318	1-20	0710 0725	MIDDLETON-MULLEN	42.0	31.7	1.64	4.51	52.0	.6	16	-.01	"	
319	1-20	1117 1130	DE MARS-MULLEN	19.5	18.4	2.10	4.40	38.7	.6	12	0	"	
320	1-21	1020 1035	TURNER	17.7	13.6	1.70	4.14	23.1	.6	14	0	FC43	
321	1-24	1457 1467	DE MARS-MULLEN	17.0	9.92	1.18	3.97	11.7	.6	11	0	FC6	
322	1-24	2110 2122	MIDDLETON-DE MARS	20.0	20.4	2.32	4.44	47.4	.6	12	+.11	"	
323	1-25	0030 0040	" "	63.0	78.4	5.10	6.04	400.	.6	15	+.04	"	
324	1-25	0210 0225	MIDDLETON-MULLEN	65.0	91.8	6.78	6.44	624.	.6	15	-.02	"	
325	1-25	0310 0330	" "	65.0	96.9	6.75	6.44	654.	.6	15	-.03	"	
326	1-25	0615 0632	MIDDLETON-DE MARS	64.0	92.2	5.68	6.18	524.	.6	15	-.03	"	
327	1-25	1000 1008	" "	63.0	70.8	4.90	5.70	347.	.6	15	-.04	"	
328	1-25	1212 1227	" "	63.0	71.6	3.69	5.44	264.	.6	18	-.02	"	
329	1-27	1055 1107	TURNER	23.6	21.7	1.82	4.20	39.5	.6	14	0	FC43	
330	2-3	0930 0945	" "	23.1	14.3	1.31	3.91	18.7	.6	17	0	"	
331	2-10	1330 1345	" "	22.8	10.4	1.07	3.73	11.1	.6	17	0	"	
332	2-13	1840 1850	MIDDLETON-DE MARS	27.0	30.4	2.23	4.49	67.7	.6	14	+.02	FC26	
333	2-13	2155 2212	DE MARS-MIDDLETON	27.0	42.5	3.06	4.92	130.	.6	15	+.02	"	
334	2-14	2348 2360	" "	27.0	43.8	3.38	4.98	148.	.6	15	0	"	
335	2-14	0730 0745	" "	26.0	34.1	2.78	4.72	94.8	.6	15	-.02	"	
336	2-14	1145 1201	" "	26.0	33.7	2.76	4.68	93.0	.6	15	+.01	"	
337	2-15	1330 1340	DE MARS	24.5	22.7	1.92	4.30	43.6	.6	15	0	FC6	
338	2-17	0930 0945	TURNER	24.5	20.7	1.76	4.15	36.4	.6	15	0	FC43	
339	2-19	1135 1147	DE MARS	24.5	18.8	1.61	4.08	30.3	.6	15	0	FC6	
340	2-25	1005 1020	TURNER	24.0	15.9	1.53	3.99	24.4	.6	15	0	FC43	
341	3-4	1030 1045	" "	23.0	12.4	1.27	3.84	15.7	.6	14	0	FC6	
342	3-11	0932 0947	" "	23.0	12.6	1.36	3.84	17.2	.5	14	0	FC43	
343	3-17	1115 1132	" "	23.0	12.1	1.34	3.83	16.2	.6	14	0	"	
344	3-20	1230 1247	" "	23.2	13.6	1.44	3.90	19.6	.5	14	0	"	
345	3-25	0930 0945	" "	24.8	18.9	1.86	4.12	35.2	.5	15	0	"	
346	4-1	0955 1010	" "	25.6	23.3	2.19	4.30	51.1	.6	15	0	"	
347	4-9	1035 1050	" "	25.9	26.9	2.39	4.43	64.2	.6	15	0	"	
348	4-15	1005 1020	" "	25.6	23.9	2.27	4.32	54.3	.6	15	0	"	
349	4-22	1010 1025	" "	24.4	17.9	1.84	4.10	33.0	.6	14	0	"	
350	4-29	1020 1035	" "	23.3	13.5	1.56	3.91	21.0	.6	14	0	"	
351	5-6	1105 1117	" "	19.1	12.2	1.10	3.78	13.4	.6	12	0	"	
352	5-13	1015 1030	" "	18.9	10.6	0.95	3.71	10.1	.6	12	0	"	
353	5-20	1015 1030	" "	18.8	9.63	0.81	3.63	7.8	.5	12	0	FC43	
354	5-27	1027 1040	" "	18.0	6.21	0.92	3.58	5.7	.5	11	0	"	
355	6-10	1010 1025	HYDE-TURNER	18.0	5.86	0.96	3.57	5.6	.5	13	0	"	
356	6-24	1130 1143	HYDE	7.5	2.25	1.02	3.40	2.3	.5	9	0	FC35	
357	7-8	0935 0948	" "	7.0	1.67	0.72	3.32	1.2	.5	9	0	"	
358	7-22	0950 1000	TURNER	6.5	1.79	0.42	3.26	0.74	.5	9	0	FC43	
359	8-4	1020 1025	" "	2.2	0.27	0.93	3.28	0.25	.5	4	0	"	
360	8-19	0949 0952	" "	1.8	0.18	0.83	3.23	0.15	.5	4	0	"	
361	9-1	1050 1053	" "	1.4	0.11	0.64	3.19	0.07	.5	4	0	"	
362	9-8	0952 0955	" "	1.4	0.08	0.75	3.18	0.06	SURF	5	0	-	
363	9-24	1020 1025	" "	1.0	0.05	0.40	3.13	0.02	"	5	0	-	

NO.	DATE	SECT. NO.	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAT. INB.	METH. CD.	MEAS. NO.	S. NO. OF CHANGE TOTAL	METER NO.
364	10-21	1045	TURNER				3.18	0.01					VOLUMETRIC
365	11-4	1040 1047	" "	7.5	2.04	0.46	3.34	0.94	.5	9	0	FC43	
366	11-17	1040 1050	DE MARS-VAN ALLEN	7.5	3.39	1.53	3.55	5.2	.5	9	0	FC34	
367	11-26	1015 1030	HYDE	7.5	2.60	1.23	3.45	3.2	.5	9	0	FC35	
368	12-2	1008 1022	" "	11.0	4.70	0.68	3.60	3.2	.5	12	0	"	
369	12-8	1052 1108	TURNER	17.6	8.42	0.78	3.66	6.6	.5	12	0	FC43	
370	12-10	1400 1425	DE MARS-VAN ALLEN	12.7	14.8	0.75	3.86	11.1	.5	14	0	FC34	
371	12-16	1050 1100	TURNER	16.3	7.55	0.72	3.62	5.4	.6	11	0	FC43	
372	12-21	1335 1345	TURNER-HYDE	16.3	7.01	0.66	3.59	4.6	.5	11	0	"	
373	12-30	1015 1025	TURNER	8.4	3.68	1.06	3.53	3.9	.6	10	0	"	
374	1-6	1150 1203	" "	16.4	7.21	0.68	3.62	4.9	.6	12	0	"	
375	1-10	0915 0930	" "	16.6	8.51	0.78	3.68	6.6	.6	11	-.01	"	
376	1-13	1408 1417	TURNER-PAYNE	16.5	9.24	0.79	3.69	7.3	.6	11	-.01	"	
377	1-19	1335 1347	TURNER-ROGERS	17.0	11.6	1.09	3.86	12.7	.6	12	0	"	
378	1-27	1010 1022	TURNER	17.4	13.4	1.35	3.97	18.1	.6	12	0	"	
379	2-3	0940 0955	" "	17.5	14.6	1.45	4.02	21.1	.6	13	0	"	
380	2-10	1005 1020	" "	17.4	13.5	1.39	3.98	18.8	.6	11	0	"	
381	2-17	0925 0942	" "	50.0	48.8	3.20	5.14	156.	.6	16	0	"	
382	2-17	1718 1735	HYDE-DE MARS	33.0	43.4	2.37	4.93	103.	.5	16	20	0	FC34
383	2-18	0945 1008	DE MARS-HYDE	31.0	37.0	1.98	4.68	73.2	.6	18	0	"	
384	2-23	1035 1050	TURNER	17.4	17.4	1.41	4.06	24.5	.6	12	0	FC43	
385	2-28	1047 1100	" "	17.2	16.0	1.24	3.97	19.9	.6	12	0	"	
386	3-9	1025 1040	" "	17.4	16.3	1.30	4.00	21.2	.6	13	0	"	
387	3-17	1045 1100	TURNER	17.4	17.2	1.39	4.04	23.9	.6	13	0	FC43	
388	3-24	1020 1035	" "	17.1	14.8	1.20	3.92	17.8	.6	13	0	"	
389	4-1	1017 1032	" "	17.2	15.8	1.25	3.97	19.8	.6	13	0	"	
390	4-6	1020 1032	" "	17.0	14.2	1.11	3.88	15.8	.6	13	0	"	
391	4-13	1038 1100	" "	17.0	13.3	1.02	3.84	13.6	.6	12	0	"	
392	4-20	0927 0940	" "	16.9	12.8	0.94	3.81	12.1	.6	12	0	"	
393	4-26	1115 1130	" "	17.0	13.6	1.01	3.84	13.7	.6	12	0	"	
394	5-2	1332 1345	TURNER-ROGERS	17.3	15.4	1.19	3.96	18.4	.6	12	0	"	
395	5-5	1013 1025	TURNER	32.4	31.6	1.73	4.46	54.6	.6	13	0	"	
396	5-12	1050 1063	" "	18.0	21.6	1.99	4.30	43.0	.6	12	0	"	
397	5-19	1005 1020	" "	17.3	15.0	1.32	3.95	19.8	.6	11	0	"	
398	5-26	1013 1025	" "	16.8	12.7	1.09	3.82	13.8	.6	11	0	"	
399	6-2	1015 1030	" "	16.4	9.98	0.94	3.72	9.4	.6	12	0	"	
400	6-9	1048 1058	SADDORIS-TURNER	16.1	7.61	0.84	3.60	6.4	.5	11	0	"	
401	6-23	1040 1050	TURNER	6.5	2.65	1.58	3.49	4.2	.5	8	0	"	
402	6-28	1121 1130	" "	6.5	2.67	1.46	3.50	3.9	.5	8	0	"	
403	7-7	1100 1110	SADDORIS	7.1	2.89	1.07	3.44	3.1	.5	9	0	"	
404	7-21	1013 1022	TURNER	7.0	2.33	0.69	3.42	1.6	.5	9	0	FC43	
405													



FORM Gb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. L-1 R

Daily discharge, in second-feet of LITTLE ROCK CREEK above Little Rock Dam, for the year ending September 30, 19 54

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	1.6	2.0	2.1	1.8	5.1	1.8	5.2	1.5	0.5	0.1
2	0	0	1.6	2.0	2.0	1.7	5.8	1.7	5.0	1.4	0.4	0.1
3	0	0	1.6	2.0	1.8	1.6	6.3	1.6	5.0	1.4	0.3	0.1
4	0	0	1.7	2.0	1.6	1.6	6.9	1.5	4.8	1.3	0.3	0.1
5	0	+	2.0	2.0	1.6	1.5	7.8	1.4	5.0	1.2	0.4	0.1
6	0	+	1.9	2.0	1.4	1.4	7.8	1.4	5.0	1.0	0.4	0.1
7	0	0.1	1.9	2.0	1.3	1.4	6.8	1.3	4.8	1.0	0.4	0.1
8	0	0.1	1.9	2.0	1.2	1.4	6.4	1.2	4.6	1.0	0.4	0.1
9	0	0.2	1.8	2.0	1.2	1.5	6.3	1.2	5.0	0.9	0.4	0.1
10	0	0.3	1.8	2.0	1.1	1.8	5.8	1.2	5.2	0.9	0.3	0.1
11	0	0.4	1.7	2.0	1.1	1.7	5.3	1.1	5.0	0.8	0.2	
12	0	0.6	1.7	2.1	1.1	1.6	5.1	1.0	4.7	0.8	0.3	
13	0	0.6	1.8	3.2	3.9	1.5	5.1	9.5	4.7	0.8	0.3	
14	0	1.1	1.8	2.9	9.3	1.4	5.1	9.2	4.5	0.8	0.2	
15	0	4.2	1.8	2.9	4.9	1.4	5.3	9.0	4.3	0.9	0.1	
16	0	3.2	1.8	2.9	3.9	1.5	5.2	9.0	4.2	1.0	0.1	
17	0	2.1	1.8	2.9	3.6	1.7	5.2	8.2	3.9	1.0	0.2	
18	0	1.8	1.6	3.6	3.0	1.4	4.9	7.7	3.7	0.9	0.1	
19	0	1.5	1.9	7.9	3.0	1.4	4.6	7.7	3.5	0.9	0.1	
20	0	1.6	1.9	4.6	2.7	1.9	4.0	7.5	3.3	0.9	0.1	
21	0	1.6	1.9	2.3	2.6	2.7	3.5	7.0	3.1	0.8	0.1	
22	0	1.6	1.9	1.5	2.6	4.5	3.2	7.0	2.8	0.8	0.1	
23	0	1.6	1.9	1.2	2.6	6.5	2.9	6.4	2.6	0.8	0.1	
24	0	1.6	1.9	3.7	2.6	4.1	2.7	5.1	2.4	0.9	0.1	
25	0	1.5	1.9	3.2	2.4	3.5	2.4	5.9	2.2	1.0	0.1	
26	0	1.5	1.9	7.5	2.2	3.0	2.3	5.7	2.4	1.0	0.1	
27	0	1.5	2.0	4.0	2.1	3.5	2.2	5.5	2.2	0.9	0.1	
28	0	1.5	2.0	2.7	2.0	5.1	2.1	5.5	2.2	0.8	0.1	
29	0	1.6	2.0	2.4	2.2	3.5	2.1	5.4	2.1	0.7	0.1	
30	0	1.6	2.0	2.2	2.2	3.6	2.0	5.4	1.8	0.7	0.1	
31	0	2.0	2.0	2.1	4.9	4.9	5.2	5.2	0.6	0.6	0.1	
	0	33.4	57.2	790.5	715	801	1403	297.1	115.4	29.3	6.6	1.0

MEAN	0	1.11	1.85	25.2	25.5	25.8	46.8	9.58	3.85	0.95	0.21	0.03
ACRES-FEET	0	66.	113.	1570.	1420.	1590.	2780.	589.	229.	58.	13.	2.0
Remarks:	+ = 0.05 c.f.s. or less											
YEAR OR PERIOD	MEAN 11.6 ACRES-FEET 8470.											

FORM Gb 12-53

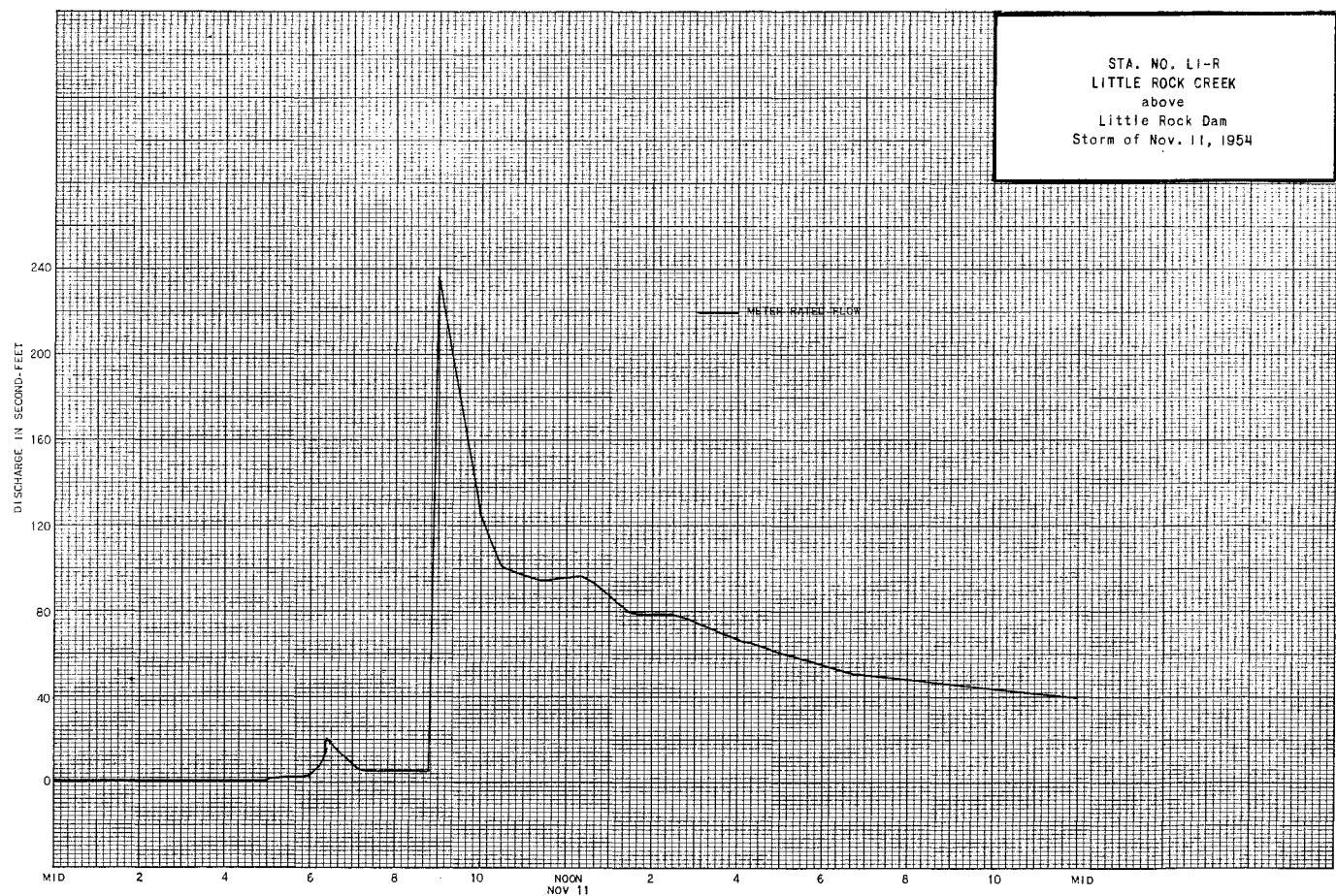
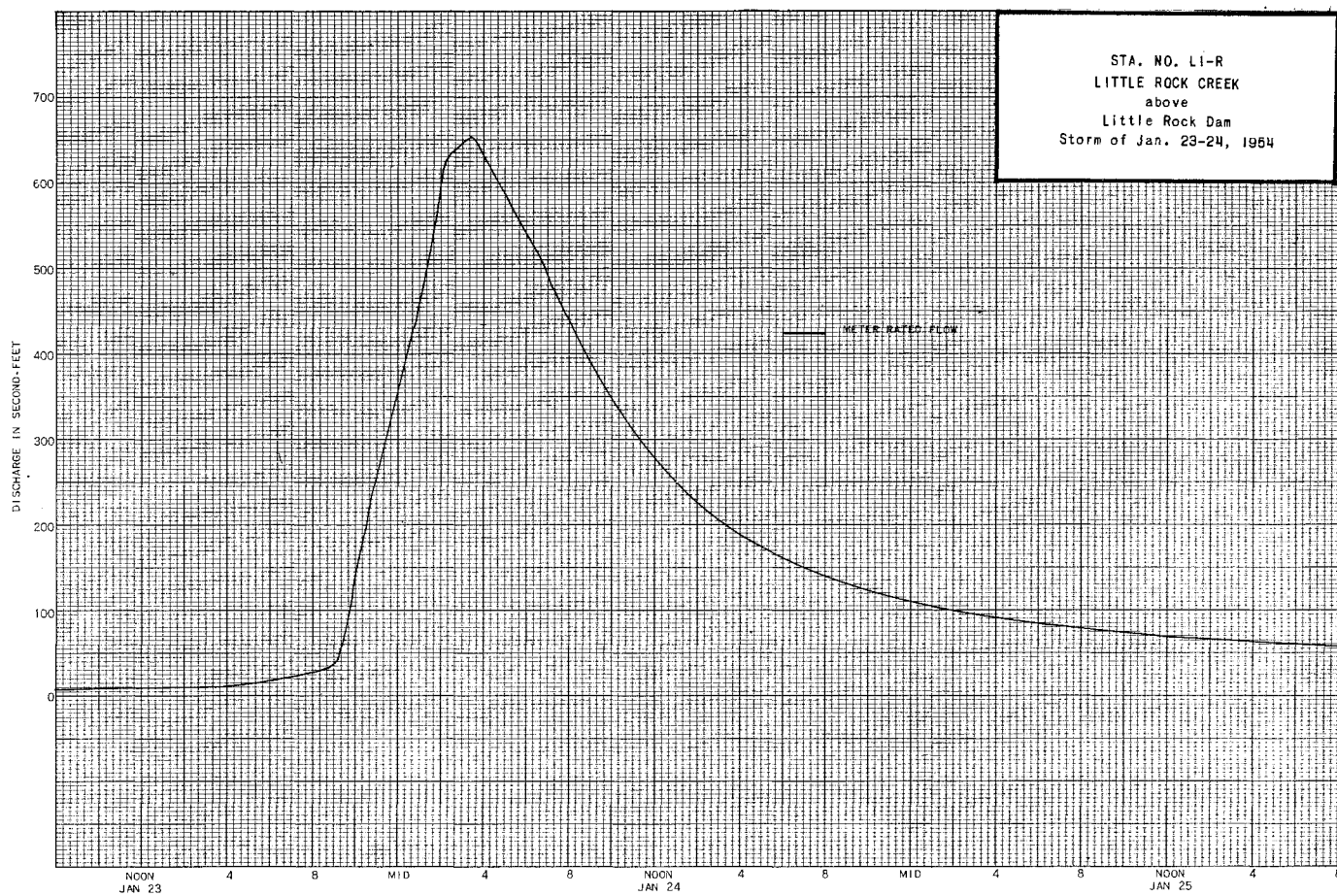
LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. L-1 R

Daily discharge, in second-feet of LITTLE ROCK CREEK above Little Rock Dam, for the year ending September 30, 19 55

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	0.6	3.2	4.2	2.5	1.8	1.9	2.4	9.2	3.2	0.6	0.1
2		0.7	3.2	5.7	2.4	1.9	1.9	2.1	8.7	3.0	0.6	0.1
3		0.8	3.9	5.7	2.1	2.0	1.8	2.6	8.2	3.0	0.6	0.1
4		0.8	2.2	5.2	1.9	2.0	1.8	3.7	7.7	2.9	0.6	0.1
5		0.8	1.1	4.8	1.7	2.0	1.7	3.1	7.2	2.9	0.5	0.1
6		0.8	7.0	4.4	1.9	1.9	1.9	5.0	6.8	2.9	0.5	0.1
7		0.8	3.9	1.3	1.9	1.5	1.5	3.3	6.4	2.7	0.5	0.1
8		0.9	6.4	6.4	1.6	1.9	1.4	4.8	5.9	2.5	0.4	0.1
9		1.0	6.2	6.4	1.6	2.0	1.4	3.2	5.5	2.5	0.4	0.1
10		1.0	1.1	6.8	1.9	2.1	1.4	5.5	5.4	2.4	0.4	+
11		4.9	7.7	7.7	1.9	4.3	1.4	4.6	5.2	2.2	0.4	
12		2.7	6.6	7.5	1.8	3.8	1.4	4.1	5.2	2.0	0.4	
13		1.4	6.1	7.2	1.9	3.5	1.3	3.4	5.5	1.6	0.3	
14		7.7	5.7	7.2	2.2	3.2	1.3	3.1	5.5	1.5	0.3	
15		b 6.9	5.5	7.9	2.5	3.0	1.4	2.5	5.2	1.4	0.3	
16		b 6.0	5.5	1.1	4.0	2.7	1.3	2.4	5.0	1.4	0.3	
17		b 5.0	5.4	1.1	1.6	2.4	1.3	2.3	4.8	1.4	0.3	
18		4.5	5.2	1.3	7.1	2.2	1.3	2.1	4.5	1.3	0.3	
19		4.2	4.8	1.3	4.8	2.1	1.3	1.9	4.2	1.3	0.3	
20		3.9	4.7	1.4	3.5	2.0	1.2	1.8	4.0	1.3	0.3	
21		b 3.9	4.7	1.3	b 3.1	1.9	1.2	1.6	3.9	1.3	0.3	
22		b 3.7	4.7	1.2	b 2.7	1.8	1.5	1.6	3.7	1.2	0.2	
23		3.6	4.7	1.3	2.4	1.7	1.4	1.5	3.7	1.1	0.2	
24		3.4	4.5	1.5	2.2	1.7	1.4	1.4	3.7	1.0	0.2	
25		0.1	b 3.3	4.3	1.6	2.0	1.3	1.4	3.6	d 0.9	0.2	
26		0.1	3.2	4.3	1.7	2.0	1.3	1.3	3.4	0.9	0.2	
27		0.2	3.0	3.9	1.9	2.1	1.3	1.2	3.3	0.8	0.1	
28		0.4	2.9	3.4	1.9	2.0	1.2	1.1	3.3	0.8	0.1	
29		0.4	3.3	4.0	2.2	2.3	1.2	1.0	3.3	0.8	0.1	
30		0.5	3.3	3.9	2.4	2.3	1.6	9.5	3.3	d 0.7	0.1	+
31		0.5	4.0	2.6	2.0	2.0	2.0	9.2	d 0.7	0.7	0.1	
	2.2	170.0	135.7	348.0	74.7	70.2	43.0	84.2.7	155.3	53.6	10.1	0.8

MEAN	0.07	5.67	5.99	11.2	26.1	22.6	14.3	27.2	5.16	1.73	0.33	0.03
ACRES-FEET	4.4	337.	368.	690.	1560.	1390.	653.	1670.	308.	108.	20.	1.6
Remarks:	+ = 0.05 OR LESS											
YEAR OR PERIOD	MEAN 10.1 ACRES-FEET 7310.											



STATION U 3-R  
LITTLE SANTA ANITA CREEK above Sierra Madre Dam

LOCATION: WATER-STAGE RECORDER AND CONTROL, LAT. 34°11'13", LONG 118°02'35", NEAR CENTER OF NW 1/4 SEC. 9, T.1N., R.11W., 1.3 MILES UPSTREAM FROM SIERRA MADRE DAM. ALTITUDE OF GAGE ABOUT 2200 FEET (FROM TOPOGRAPHIC MAP).

DRAINAGE AREA: 1.9 SQUARE MILES.

RECORDS AVAILABLE: APRIL 1916 TO SEPTEMBER 30, 1955.

AVERAGE DISCHARGE: 36 YEARS (1916-1925, 1926-1955, 0.89 SECOND-FOOT).

EXTREMES:

1953-54

MAXIMUM DISCHARGE NOT DETERMINED JAN 24.

MINIMUM DAILY DISCHARGE NO FLOW AT TIMES IN OCTOBER.

1954-55

MAXIMUM DISCHARGE 6.0 SECOND-FOET NOVEMBER 11, (GAGE HEIGHT 1.17 FEET.)

MINIMUM DISCHARGE NO FLOW PART OF SEPTEMBER.

1916-55

MAXIMUM DISCHARGE 536 SECOND-FOET MARCH 2, 1938 COMPUTED ON BASIS OF INFLOW TO SIERRA MADRE FLOOD CONTROL RESERVOIR.

MINIMUM NO FLOW DURING PERIODS ON 1919, 1924, 1925, 1951, 1952.

REMARKS: RECORDS GOOD, NO DIVERSIONS ABOVE STATION.

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

DISCHARGE MEASUREMENTS OF LITTLE SANTA ANITA CREEK  
above Sierra Madre Dam DURING THE YEAR ENDING SEPTEMBER 30, 1954

DISCHARGE MEASUREMENTS OF LITTLE SANTA ANITA CREEK  
above Sierra Madre Dam DURING THE YEAR ENDING SEPTEMBER 30, 1955

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAV. INH	METH. CO.	MEAN REC. NO.	D. CH. CHANGE TOTAL	METER NO.
1067	10-1		U.S.G.S.	0.80	0.26	0.13	0.58	0.04					
1068	10-15		"	0.80	0.28	0.16	0.50	0.04	.6	9	0		
1069	10-29		"	0.90	0.36	0.13	0.61	0.46	.6	10	0		
1070	11-23		"	0.90	0.28	0.43	0.50	0.12	.5	6	10	0	
1071	12-9		"	0.90	0.30	0.44	0.50	0.13	.6	10	0		
1072	12-23		"	0.90	0.28	0.41	0.49	0.12	.6	10	0		
1073	1-4		"	0.90	0.29	0.44	0.48	0.13	.6	10	0		
1074	1-22		"	1.8	0.17	5.18		0.88	.5	10	-.02		
1075	1-23		"	1.4	0.10	4.04		0.44	.5	8			
1076	1-27		"	3.5	0.53	3.42		1.81	.5	13			
1077	1-29		"	2.3	0.52	2.18		1.15	.5	9			
1078	2-1		"	2.2	0.41	1.49		0.61	.5	8			
1079	2-2		"	1.1	0.28	1.82		0.51	.5	12			
1080	2-3		"	0.90	0.36	1.44		0.52	.6	10			
1081	2-4		"	1.20	0.42	0.95		0.40	.6	12			
1082	2-5		"	0.90	0.25	1.52		0.36	.5	10			
1083	2-8		"	0.90	0.25	1.20		0.30	.5	10			
1084	2-9		"	0.90	0.24	1.21		0.29	.5	10			
1085	2-11		"	0.90	0.19	1.9	0.60	0.36	.5	9	0		
1086	2-15		"	3.2	1.05	2.20	0.82	2.31	.5	6	13	0	
1087	2-23		"	3.3	0.50	1.50	0.75	0.75	.5	13	+.01		
1088	2-25		"	3.2	0.43	1.40	0.64	0.60	.5	12	0		
1089	3-3		"	1.9	0.47	1.11	0.62	0.52	.5	12	0		
1090	3-10		"	1.9	0.37	1.30	0.60	0.48	.5	12	0		
1091	3-15		"	1.9	0.32	1.03	0.58	0.33	.5	12	0		
1092	3-22		"	4.4	1.82	1.19	0.77	2.17	.5	6	17	+.01	
1093	3-29		"	3.1	0.73	1.58	0.67	1.15	.5	14	0		
1094	4-5		"	2.5	1.05	1.46	0.76	1.53	.6	15	0		
1095	4-15		"	2.5	0.86	1.02	0.68	0.88	.6	14	0		
1096	4-29		"	2.5	0.73	0.90	0.65	0.66	.5	6	14	0	
1097	5-13		"	2.6	0.80	0.75	0.60	0.60	.5	14	0		
1098	5-27		"	2.5	0.65	0.65	0.58	0.42	.5	15	0		
1099	6-10		"	2.5	0.61	0.54	0.56	0.33	.5	15	0		
1100	6-24		"	2.5	0.50	0.46	0.54	0.23	.5	15	0		
1101	7-15		"	2.0	0.37	0.30	0.50	0.14	.5	12	+.01		
1102	7-29		"	1.4	0.25	0.44	0.48	0.11	.5	9	0		
1103	8-13		"	1.4	0.25	0.40	0.49	0.10	.6	10	0		
1104	8-26		"				0.48	0.11			FLUME		
1105	9-9		"				0.45	0.08			"		
1106	9-23		"				0.45	0.06			"		

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAV. INH	METH. CO.	MEAN REC. NO.	D. CH. CHANGE TOTAL	METER NO.
1107	10-7		U.S.G.S.				0.47	0.08			FLUME		
1108	10-22		"	1.5	0.38	0.24	0.48	0.09	.5	9	+.06		
1109	10-22		"				0.48	0.06			FLUME		
1110	11-4		"				0.49	0.09			FLUME		
1111	11-18		"	1.4	0.37	0.51	0.54	0.19	.5	9	0		
1112	12-2		"				0.54	0.14			FLUME		
1113	12-16		"				0.58	0.16			FLUME		
1114	12-30		"	2.2	0.16	0.80	0.58	0.12	.5	12	0		
1115	1-13		"	1.5	0.30	1.05	0.59	0.32	.5	10	0		
1116	1-20		"	2.9	0.87	0.92	0.70	0.80	.5	6	17	0	
1117	2-4		"	2.9	0.46	0.61	0.56	0.29	.5	16	0		
1118	2-18		"	2.9	0.71	0.47	0.57	0.33	.5	17	0		
1119	3-3		"	2.9	0.62	0.54	0.56	0.33	.5	16	0		
1120	3-17		"	2.9	0.65	0.88	0.62	0.57	.5	16	0		
1121	4-5		"	1.9	0.34	0.79	0.54	0.27	.5	12			
1122	4-13		"				0.51	0.23			FLUME		
1123	4-26		"	1.9	0.41	0.78	0.57	0.32	.5	12	-.01		
1124	5-11		"	1.8	0.36	0.97	0.55	0.37	.5	11	0		
1125	5-27		"	1.5	0.31	1.06	0.60	0.33	.5	10	0		
1126	6-17		"				0.56	0.24			FLUME		
1127	7-13		"				0.56	0.14			FLUME		
1128	8-5		"				0.55	0.10			FLUME		
1129	8-18		"				0.56	0.07			FLUME		
1130	9-13		"				0.49	0.04			FLUME		

768712M Cb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. U3-R

Daily discharge, in second-feet of LITTLE SANTA ANITA CREEK above Sierra Madre Dam for the year ending September 30, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0.5	0.1	0.1	0.6	0.5	2.1	0.6	0.4	0.2	0.1	0.1
2	0	0.5	0.1	0.1	0.5	0.5	1.9	0.6	0.4	0.2	0.1	0.1
3	0	0.5	0.1	0.1	0.5	0.5	1.6	0.6	0.4	0.2	0.1	0.1
4	0	0.5	0.2	0.1	0.4	0.5	1.5	0.6	0.4	0.2	0.1	0.1
5	0	0.5	0.1	0.1	0.4	0.5	1.5	0.6	0.4	0.2	0.1	0.1
6	0	0.5	0.1	0.1	0.4	0.5	1.5	0.6	0.4	0.2	0.1	0.1
7	0	0.5	0.1	0.1	0.3	0.5	1.4	0.6	0.3	0.2	0.1	0.1
8	0	0.5	0.1	0.1	0.3	0.5	1.3	0.6	0.3	0.2	0.1	0.1
9	0	0.5	0.1	0.1	0.3	0.5	1.2	0.7	0.3	0.2	0.1	0.1
10	0	0.4	0.1	0.1	0.4	0.5	1.1	0.7	0.3	0.2	0.1	0.1
11	0	0.4	0.1	0.1	0.4	0.4	1.0	0.6	0.3	0.2	0.1	0.1
12	0	0.4	0.1	0.3	0.3	0.4	0.9	0.6	0.3	0.2	0.1	0.1
13	0	0.4	0.1	0.2	0.3	0.4	0.9	0.6	0.3	0.2	0.1	0.1
14	0	0.7	0.1	0.2	6.0	0.4	0.9	0.6	0.3	0.1	0.1	0.1
15	0	0.5	0.1	0.2	2.3	0.3	0.8	0.6	0.3	0.1	0.1	0.1
16	0	0.5	0.1	0.2	1.6	1.4	0.8	0.6	0.3	0.1	0.1	0.1
17	0.1	0.2	0.1	0.2	1.3	1.5	0.8	0.6	0.3	0.1	0.1	0.1
18	0.1	0.1	0.1	0.2	1.2	1.3	0.8	0.5	0.3	0.1	0.1	0.1
19	0.1	0.1	0.1	2.5	1.1	1.3	0.8	0.5	0.3	0.1	0.1	0.1
20	0.2	0.1	0.1	2.0	0.9	2.2	0.8	0.5	0.3	0.1	0.1	0.1
21	0.2	0.1	0.1	2.0	0.8	2.2	0.7	0.5	0.3	0.1	0.1	0.1
22	0.3	0.1	0.1	1.0	0.8	2.2	0.7	0.5	0.3	0.1	0.1	0.1
23	0.4	0.1	0.1	0.5	0.8	1.8	0.7	0.5	0.3	0.1	0.1	0.1
24	0.4	0.1	0.1	3.0	0.7	2.1	0.7	0.4	0.3	0.1	0.1	0.1
25	0.4	0.1	0.1	2.0	0.6	2.4	0.7	0.4	0.3	0.1	0.1	0.1
26	0.4	0.1	0.1	3.0	0.6	1.5	0.7	0.4	0.3	0.1	0.1	0.1
27	0.5	0.1	0.1	2.0	0.6	1.4	0.7	0.4	0.3	0.1	0.1	0.1
28	0.5	0.1	0.1	1.5	0.5	1.4	0.7	0.4	0.3	0.1	0.1	0.1
29	0.5	0.1	0.1	1.2	0.5	1.7	0.7	0.4	0.3	0.1	0.1	0.1
30	0.5	0.1	0.1	1.0	0.5	4.7	0.7	0.5	0.3	0.1	0.1	0.1
31	0.5	0.1	0.1	0.8	0.5	2.4	0.7	0.4	0.3	0.1	0.1	0.1
	5.1	9.3	3.2	93.6	49.6	38.4	30.6	16.5	8.7	4.4	3.1	3.0
MEAN	0.16	0.31	0.10	3.02	1.77	1.24	1.02	0.53	0.29	0.14	0.10	0.10
ACRE- FEET	10.	18.	6.3	186.	98.	76.	61.	33.	17.	8.7	6.1	6.0

Remarks:

YEAR OR PERIOD MEAN ACRE-FEET 0.73 526.

768712M Cb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. U3-R

Daily discharge, in second-feet of LITTLE SANTA ANITA CREEK above Sierra Madre Dam for the year ending September 30, 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.1	0.1	0.1	0.5	0.3	0.4	0.3	1.1	0.3	0.2	0.1	0
2	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.7	0.3	0.2	0.1	0
3	0.1	0.1	0.5	0.3	0.3	0.3	0.3	0.5	0.2	0.2	0.1	0
4	0.1	0.1	0.3	0.3	0.3	0.3	0.3	0.5	0.2	0.2	0.1	0
5	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.5	0.2	0.2	0.1	0
6	0.1	0.1	0.2	0.5	0.3	0.3	0.3	0.5	0.2	0.2	0.1	0
7	0.1	0.1	0.2	0.3	0.3	0.3	0.2	0.5	0.2	0.2	0.1	0
8	0.1	0.1	0.2	0.3	0.3	0.3	0.2	0.4	0.2	0.2	0.1	0
9	0.1	0.1	0.5	0.3	0.3	0.3	0.2	0.4	0.2	0.2	0.1	0
10	0.1	0.1	0.5	2.0	0.3	0.5	0.2	0.4	0.2	0.2	0.1	0
11	0.1	1.4	0.2	0.5	0.3	0.2	0.2	0.4	0.2	0.2	0.1	0
12	0.1	0.4	0.2	0.4	0.3	0.5	0.2	0.4	0.2	0.1	0.1	0
13	0.1	0.2	0.2	0.3	0.3	0.5	0.2	0.4	0.2	0.1	0.1	0
14	0.1	0.2	0.2	0.3	0.3	0.4	0.2	0.4	0.2	0.1	0.1	0
15	0.1	0.2	0.2	0.3	0.3	0.4	0.3	0.4	0.2	0.1	0.1	0
16	0.1	0.2	0.2	0.8	0.4	0.4	0.3	0.4	0.2	0.1	0.1	0
17	0.1	0.2	0.2	0.4	0.5	0.5	0.2	0.3	0.2	0.1	0.1	0
18	0.1	0.2	0.2	2.1	0.3	0.5	0.2	0.3	0.2	0.1	0.1	0
19	0.1	0.2	0.2	1.2	0.3	0.5	0.2	0.3	0.2	0.1	0.1	0
20	0.1	0.2	0.2	0.1	0.3	0.5	0.2	0.3	0.2	0.1	0.1	0
21	0.1	0.2	0.1	0.6	0.3	0.5	0.2	0.3	0.2	0.1	0.1	0
22	0.1	0.2	0.1	0.5	0.3	0.5	0.2	0.3	0.2	0.1	0.1	0
23	0.1	0.2	0.1	0.5	0.3	0.4	0.2	0.3	0.2	0.1	0.1	0.1
24	0.1	0.2	0.1	0.4	0.3	0.4	0.2	0.3	0.2	0.1	0.1	0.1
25	0.1	0.2	0.1	0.4	0.3	0.4	0.2	0.3	0.2	0.1	0.1	0
26	0.1	0.2	0.1	0.4	0.3	0.4	0.2	0.3	0.2	0.1	0.1	0
27	0.1	0.2	0.1	0.4	0.6	0.4	0.2	0.3	0.2	0.1	0.1	0
28	0.1	0.2	0.1	0.4	0.4	0.4	0.2	0.3	0.2	0.1	0.1	0
29	0.1	0.2	0.1	0.3	0.4	0.4	0.2	0.3	0.2	0.1	0.1	0
30	0.1	0.2	0.1	0.4	0.4	0.4	1.3	0.3	0.2	0.1	0.1	0
31	0.1	0.2	0.1	0.4	0.4	0.4	0.3	0.3	0.2	0.1	0.1	0
	3.1	6.4	5.8	17.0	9.0	13.4	8.0	12.4	6.2	4.2	3.1	0.3
MEAN	0.10	0.21	0.19	0.55	0.32	0.43	0.27	0.40	0.21	0.14	0.10	0.01
ACRE- FEET	6.1	13.	12.	34.	18.	27.	16.	25.	12.	8.3	6.1	0.6

Remarks:

YEAR OR PERIOD MEAN ACRE-FEET 0.24 178.

STATION FIG-R  
LITTLE TUJUNGA WASH at Foothill Boulevard

LOCATION: WATER-STAGE RECORDER, LAT 34°16'28", LONG. 118°22'20", ON DOWN  
STREAM 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, 1953 TO SEPTEMBER 30, 1955.

REGULATION: NONE.

DIVERSIONS: NONE KNOWN.

RECORDS AVAILABLE: DECEMBER 26, 1928 TO SEPTEMBER 30, 1955.

EXTREMES OF DISCHARGE:

1953-54  
MAXIMUM 196 SECOND-FEET FEBRUARY 13.  
MINIMUM NO FLOW MOST OF YEAR.

1954-55  
MAXIMUM 35 SECOND-FEET, JANUARY 18.  
MINIMUM NO FLOW MOST OF YEAR.

1929-55  
MAXIMUM 8500 SECOND-FEET ESTIMATED MARCH 2, 1938.  
MINIMUM NO FLOW MOST OF EACH YEAR.

ACCURACY: FAIR.

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

DISCHARGE MEASUREMENTS OF LITTLE TUJUNGA WASH  
AT Foothill Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 19 54

DISCHARGE MEASUREMENTS OF LITTLE TUJUNGA WASH  
AT Foothill Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 19 55

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INS	METH. DD	MEAN REC. NO.	Q. HT. CHANGE TOTAL	METER NO.
475	1-19	0611 0635	HYDE-OCAMPO	13.0	4.04	2.01	3.34	8.2	.5	12	+.08	FC35	
476	1-19	1133 1141	" "	5.0	0.86	0.84	3.05	0.72	.5	6	0	"	
477	1-19	1500 1515	" "	10.0	3.51	2.39	3.28	8.4	.5	11	+.02	"	
478	1-19	2024 2024	" "	10.0	3.48	2.16	3.21	7.5	.5	11	+.01	"	
479	1-20	0903 0913	" "	7.0	0.97	1.07	3.04	1.0	.5	8	+.02	"	
480	1-20	1538 1544	" "	2.7	0.28	0.79	3.02	0.22	.5	6	+.02	"	
481	1-24	2220 2225	BLAKELY-SPELLMAN	19.5	8.17	2.52	3.40	20.6	.5	7	+.02	FC24	
482	1-25	0150 0155	" "	26.0	15.5	4.21	3.68	65.2	.5	8	+.02	"	
483	1-25	1395 1410	SPELLMAN-BLAKELY	18.0	6.43	2.13	3.22	13.7	.5	11	0	"	
484	1-27	1248 1252	BLAKELY	1.7	0.34	0.59	2.93	0.20	.5	5	0	FC53	
485	2-13	1633 1650	HYDE-OCAMPO	18.8	5.88	2.53	3.29	14.9	.5	13	+.11	FC35	
486	2-13	1708 1721	" "	20.0	10.3	3.64	3.48	37.5	.5	12	+.04	"	
487	2-14	1045 1056	" "	19.5	6.76	3.36	3.42	22.7	.5	13	0	"	
488	2-15	0859 1003	HYDE	8.0	2.27	1.85	3.11	4.2	.5	10	0	"	
489	2-17	1600 1606	BLAKELY	6.0	1.11	1.17	3.02	1.3	.5	8	0	FC53	
490	3-16	2052 2108	HYDE-OCAMPO	18.5	4.68	1.75	3.21	8.2	.5	13	+.02	FC35	
491	3-17	0950 1000	HYDE	5.0	0.96	1.46	3.08	1.4	.5	7	0	"	
492	3-20	0240 0248	DEMARS-BLAKE	5.0	0.73	0.88	3.03	0.64	.5	8	+	FC34	
493	3-20	0825 0835	" "	8.5	2.06	2.04	3.20	4.2	.5	10	+.02	"	
494	3-24	1046 1059	GODFREY	5.0	1.62	1.61	3.09	2.6	.5	10	0	FC28	
495	3-29	2218 2227	BLAKELY-BLAKE	17.5	3.79	2.51	3.34	9.5	.5	7	0	FC24	
496	3-30	0158 0206	BLAKELY-BLAKE	21.5	13.1	4.88	3.63	63.9	.6	8	+.04	FC24	
497	3-30	1002 1007	" "	19.0	4.20	3.07	3.36	12.9	.5	7	+	"	
498	4-9	1734 1734	BLAKELY	5.0	0.71	1.89	3.18	1.2	.5	6	0	FC53	
499	4-14	1546 1552	" "	2.7	0.41	2.00	3.11	0.82	.5	6	0	FC53	
500	4-21	1158 1204	" "	2.5	0.42	0.95	3.15	0.40	.5	6	0	"	
501	4-28	1315 1323	" "	5.5	0.62	1.40	3.20	0.87	.5	7	0	"	
502	5-5	1224 1228	" "	1.8	0.18	1.17	3.22	0.21	.5	6	0	"	
503	5-12	1200 1206	" "	1.7	0.14	1.42	3.18	0.20	.5	5	0	"	

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INS	METH. DD	MEAN REC. NO.	Q. HT. CHANGE TOTAL	METER NO.
504	1-10	0545 0610	HYDE-OCAMPO	17.5	4.69	3.48	3.46	16.3	.5	10	+.04	FC35	
505	1-10	1030 1038	HYDE	7.5	0.83	1.33	3.24	1.1	.5	9	-.03	"	
506	1-18	1045 1057	HYDE-OCAMPO	17.5	3.58	2.82	3.38	10.1	.5	11	0	"	
507	1-18	1400 1418	" "	19.2	5.45	3.25	3.40	17.7	.5	16	0	"	
508	2-27	1440 1446	BLAKELY	7.0	1.05	1.71	3.17	1.8	.5	1	0	FC24	
509	4-30	1418 1430	HYDE	12.4	2.91	3.30	3.32	9.6	.5	9	0	FC35	
510	5-1	1644 1648	BLAKELY-BLAKE	7.5	0.85	2.12	3.29	1.8	.5	5	0	FC53	
511	5-2	1710 1710	BLAKELY	2.5	0.20	0.90	3.16	0.18	.5	6	0	"	
512	5-9	1048 1055	HYDE	1.6	0.08	1.25	3.13	0.10	.5	6	0	"	

FORM Cb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. Fig-R

Daily discharge, in second-feet of LITTLE TUJUNGA WASH at Foothill Boulevard for the year ending September 30, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	+	2.8	0				
2	0	0	0	0	0		2.6	0				
3	0	0	0	0	0		2.7	0				
4	0	0	0	0	0		2.7	0				
5	0	0	0	0	0		2.5	0				
6	0	0	0	0	0	+	1.1	0				
7	0	0	0	0	0		1.4	0				
8	0	0	0	0	0	0	1.6	0				
9	0	0	0	0	0	0	1.7	0				
10	0	0	0	0	0	0	1.7	0				
11	0	0	0	0	0	+	1.7	0				
12	0	0	0	0	0	+	1.4	0				
13	0	0	0	0	1.5		1.3	0				
14	0	0.1	0	0	7.4		1.4	0				
15	0	0	0	0	4.4		1.4	0				
16	0	0	0	0	2.7	9.5	0.9	0				
17	0	0	0	0	1.4	0.6	0.6	0				
18	0	0	0	0	1.2	0.4	0.5	0				
19	0	0	0	0	0	0.5	0.5	0				
20	0	0	0	1.1	+	2.7	0.6	0				
21	0	0	0	0	b	0.6	0.6	0				
22	0	0	0	0	0	3.0	0.9	0				
23	0	0	0	0	0	3.0	1.0	0				
24	0	0	0	5.2	b	3.6	1.0	0				
25	0	0	0	4.3		3.9	0.9	0				
26	0	0	0	1.3		2.8	1.0	0				
27	0	0	0	+	+	2.8	0.9	0				
28	0	0	0	0	0	2.7	0.8	0				
29	0	0	0	0	0	3.7	0.8	0				
30	0	0	0	0	0	1.6	0.8	0				
31	0	0	0	0	0	4.4	0.8	0				
	0	0.1	0	59.2	33.3	67.5	41.5	3.9	0	0	0	0

MEAN	0	.003	0	1.91	1.19	2.18	1.38	0.13	0	0	0	0
ACRE- FEET	0	0.20	0	117.	66.	134.	82.	7.7	0	0	0	0

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

YEAR OR PERIOD MEAN ACRE-FEET 0.56 407.

FORM Cb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. Fig-R

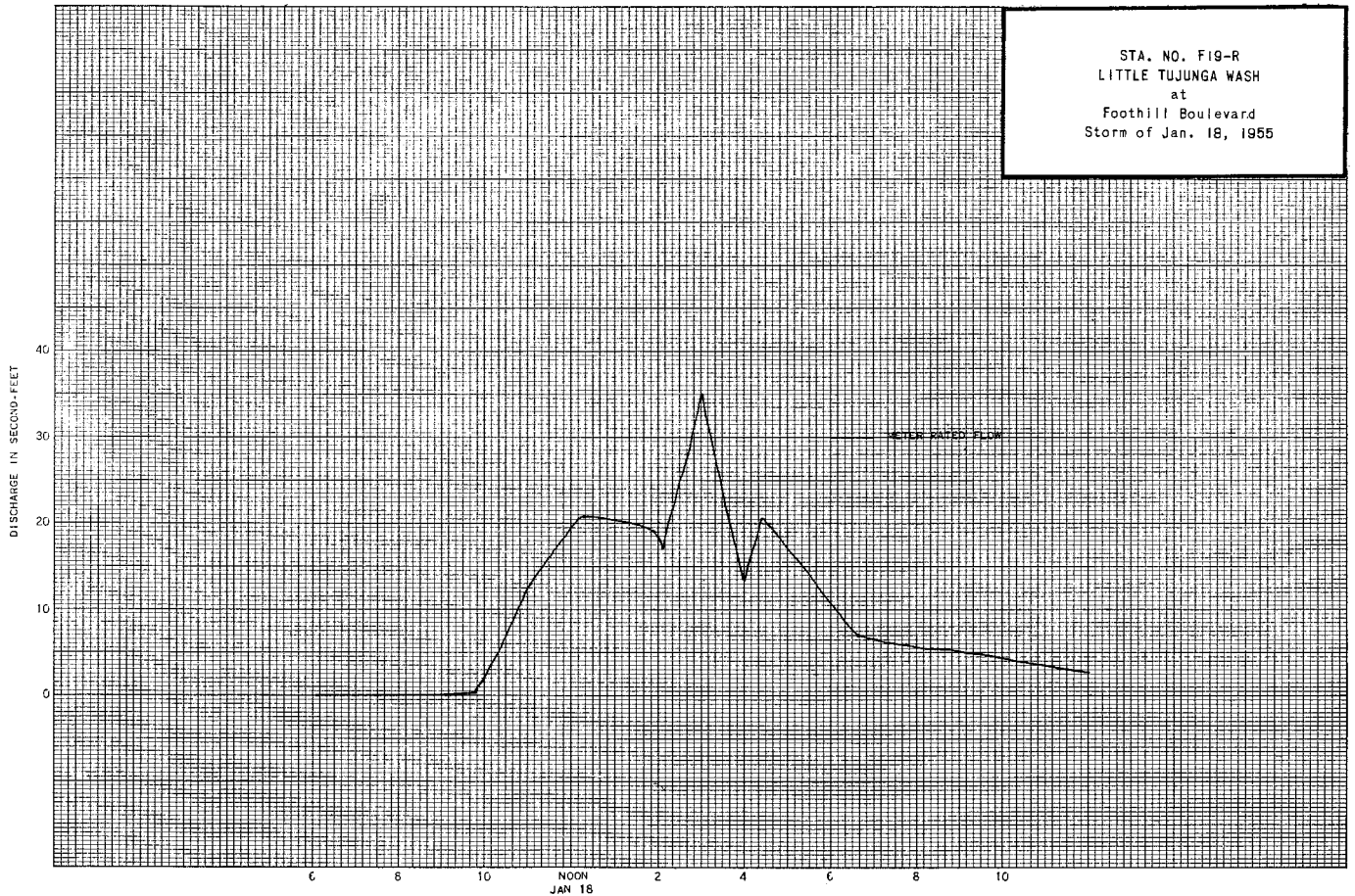
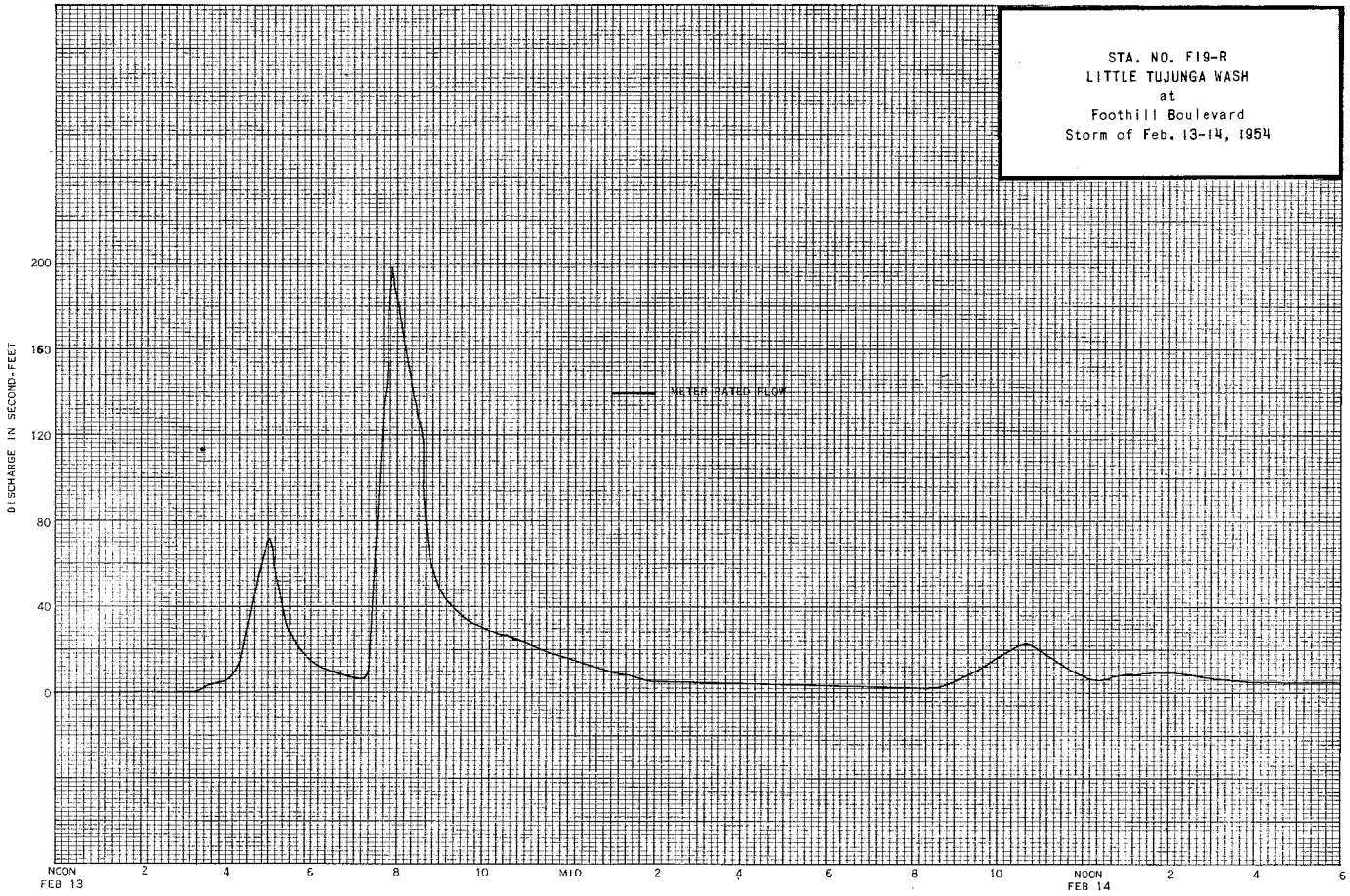
Daily discharge, in second-feet of LITTLE TUJUNGA WASH at Foothill Boulevard for the year ending September 30, 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	+	0	2.2				
2	0	0	0	0	0		0	0.4				
3	0	0	0	0	0		0	1.1				
4	0	0	0	0	0		0	1.1				
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	+	1.4	0	0	0	0				
11	0	+	0	0	0	0	0	+				
12	0	0	0	0	0	0	0	0				
13	0	0	0	0	0	0	0	0				
14	0	0	0	0	0	0	0	0				
15	0	0	0	0	0	0	0	0				
16	0	0	0	0.5	0	0	0	0				
17	0	0	0	0	+	0	0	0				
18	0	0	0	7.3	0	0	0	0				
19	0	0	0	1.2	0	0	0	0				
20	0	0	0	1	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	0.7	0	0	0				
28	0	0	0	0	0.6	0	0	0				
29	0	0	0	0	0	0	0	0				
30	0	0	0	0	0	0	5.1	0				
31	0	0	0	0	0	0	0	0				
	0			10.3	1.3		6.1	5.9	0	0	0	0

MEAN	0	+	+	0.33	0.05	+	0.20	0.19	0	0	0	0
ACRE- FEET	0	+	+	20.	2.6	+	12.	12.	0	0	0	0

Remarks: + = 0.5 CFS OR LESS

YEAR OR PERIOD MEAN ACRE-FEET 0.56 47.



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 SAUARE 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, 1953 TO SEPTEMBER 30, 1955.

REGULATION: FLOW REGULATED BY LIVE OAK DAM.

DIVERSIONS: NONE.

RECORDS AVAILABLE: JANUARY 4, 1928 TO SEPTEMBER 30, 1955.

EXTREMES OF DISCHARGE:

1953-54

MAXIMUM 19 SECOND-FOOT JANUARY 16.

MINIMUM NO FLOW MOST OF YEAR.

1954-55

NO FLOW ENTIRE YEAR.

1928-55

MAXIMUM 257 SECOND-FOOT MARCH 2, 1938.

MINIMUM NO FLOW MOST OF EACH YEAR.

ACCURACY: EXCELLENT

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

DISCHARGE MEASUREMENTS OF LIVE OAK CREEK

NEAR mouth of canyon DURING THE YEAR ENDING SEPTEMBER 30, 1954

NO.	DATE	SEBIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./SEC.	GAUGE HEIGTH FEET	DISCHARGE REC. FT.	RAT. IND.	METH. NO.	MEAN REC. NO.	HT. CHANGE TOTAL	METER NO.
174	1-27	1128 1137	MIDDLETON-WHISLER	8.0	6.19	1.02	0.91	6.3	+6	9	0		FC26
175	1-28	1400 1402	MIDDLETON	0.8	0.10	0.70	0.11	0.07	+5	3	0		"
176	3-20	1008 1014	"	3.2	0.51	0.69	0.17	0.35	+5	6	+01		"
177	3-25	1148	"	2.0			0.04	0.05					CIPOLLETTI WEIR
178	3-30	0215	"	2.0			0.30	1.1					"
179	4-1	1300	"	2.0			0.02	0.02					"
180	4-29	1130	"	2.0			0.01	0.01					"
181	5-6	0825	"	2.0			0.01	0.01					"
182	5-24	1006 1074	"	4.6	1.21	1.16	0.34	1.4	+6	10	0		FC26
183	5-24	1147 1156	"	4.0	1.16	1.47	0.38	1.7	+6	9	0		FC49
184	5-24	1512 1528	"	5.0	1.88	1.33	0.48	2.5	+6	11	0		FC26
185	5-24	1748 1804	"	6.0	3.55	1.72	0.89	6.1	+6	13	+02		"
186	5-25	0920 0936	"	7.0	4.43	1.20	0.85	5.3	+6	13	0		"
187	5-26	1305	"	2.0			0.81	4.9					CIPOLLETTI WEIR
188	5-27	0623 0636	MIDDLETON-BROWN	6.0	2.88	1.22	0.67	3.5	+6	12	0		FC26
189	5-28	0805	MIDDLETON	2.0			0.04	0.02					CIPOLLETTI WEIR

76016M G 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F31-R

Daily discharge, in second-feet of LIVE OAK CREEK near Mouth of Canyon for the year ending September 30, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	+	+	0	0	0	0
2	0	0	0	0	0	0	+	+	0	0	0	0
3	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
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	+	+	0	0	0	0
10	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
13	0	0	0	0	0.5	0	+	+	0	0	0	0
14	0	0	0	0	0.4	0	+	+	0	0	0	0
15	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
19	0	0	0	0	0	0	+	+	0	0	0	0
20	0	0	0	0	0	0	+	+	0	0	0	0
21	0	0	0	0	0	0	+	+	0	0	0	0
22	0	0	0	0	0	0	+	+	0	0	0	0
23	0	0	0	0	0	0	+	+	0	0	0	0
24	0	0	0	0	0	0.1	+	+	2.4	0	0	0
25	0	0	0	1.2	0	0.2	+	+	5.4	0	0	0
26	0	0	0	1.6	0	0	+	+	5.3	0	0	0
27	0	0	0	6.7	0	0	+	+	1.4	0	0	0
28	0	0	0	2.9	0	0	+	+	0	0	0	0
29	0	0	0	0	0	0	+	+	0	0	0	0
30	0	0	0	0	0	0.3	+	+	0	0	0	0
31	0	0	0	0	0	0	+	+	0	0	0	0
	0	0	0	12.4	0.9	0.6	+	+	14.5	0	0	0

MEAN	0	0	0	0.40	0.32	0.02	+	0.47	0	0	0	0
ACRE-FOOT	0	0	0	25.	1.8	1.2	+	29.	0	0	0	0

Remarks: + = 0.05 cfs or less.

YEAR OR PERIOD MEAN ACRE-FOOT .078 57.



STATION F311-R  
LIVE OAK WASH below 7th Street, La Verne

LOCATION: WATER STAGE RECORDER ON THE LEFT (EAST) WALL OF LIVE OAK WASH BELOW 7TH STREET IN THE CITY OF LA VERNE.

CHANNEL AND CONTROL: CHANNEL-RECTANGULAR CONCRETE 17.3 FEET WIDE, 9.6 FEET DEEP. CONTROL - VERTICAL FACED SHARP-CRESTED WEIR WITH END CONTRACTIONS SUPPRESSED.

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

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

REGULATION: METROPOLITAN WATER DISTRICT'S DELIVERY LINE INTO LIVE OAK CHANNEL ABOVE STATION.

ACCURACY: EXCELLENT.

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

REMARKS: THIS STATION AND WEIR INSTALLED TO DETERMINE THE QUANTITY OF WATER DELIVERED TO PUDDINGSTONE RESERVOIR FOR ZONE 1. RECORDER IN SERVICE ONLY DURING PERIOD OF SUCH DELIVERY.

DISCHARGE MEASUREMENTS OF LIVE OAK WASH  
below 7th Street, La Verne DURING THE YEAR ENDING SEPTEMBER 30, 19 54

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	MTH- CD	MEAS. SEC. NO.	D. CHG TOTAL	METER NO.
1	7-8	1850 1910	MIDDLETON-MOON	17.3	11.8	4.91	4.44	57.9	.6	19	0	FC26	
2	7-8	1957 2020	" "	17.0	11.4	5.13	4.44	58.5	.6	19	0	"	
3	7-9	1049 1112	" "	17.0	12.2	6.83	4.67	83.3	.6	19	0	"	
4	7-9	1136 1200	" "	16.8	12.3	6.90	4.67	84.6	.6	19	0	"	
5	7-9	1600 1624	" "	17.4	14.8	7.36	4.87	109.	.6	19	0	"	
6	7-9	1747 1773	MOON-MIDDLETON	21.0	11.1	9.46	4.87	105.	.6	16	0	PITOT	
7	7-10	0930 0952	MIDDLETON-LINDSAY	17.4	12.7	8.58	4.87	109.	.6	20	0	FC26	
8	7-12	1422 1435	STUNDEN-MIDDLETON	12.1	9.29	15.1	5.06	140.	.6	14	0	PITOT	
9	7-12	1700 1728	MIDDLETON-STUNDEN	17.6	12.6	8.65	4.88	109.	.6	20	0	FC26	
10	7-12	1730 1800	STUNDEN-MIDDLETON	17.5	12.5	8.80	4.88	110.	.6	20	0	FC36	
11	7-17	0948 1009	MIDDLETON-STUNDEN	16.2	6.02	6.93	4.28	41.7	.5	18	0	FC26	
12	7-17	1307 1324	STUNDEN-MIDDLETON	16.8	9.43	8.75	4.66	82.5	.5	19	0	FC12	
13	7-17	1345 1415	MIDDLETON-STUNDEN	17.1	9.18	8.27	4.66	75.9	.6	19	0	FC26	
14	7-17	1425 1455	STUNDEN-MIDDLETON	16.8	9.60	8.86	4.66	85.1	.5	18	0	FC12	
15	7-17	1615 1640	MIDDLETON-LINDSAY	17.4	11.8	8.93	4.90	105.	.6	20	0	FC26	
16	7-17	1643 1711	" "	17.4	11.9	8.86	4.90	105.	.6	20	0	FC12	
17	7-18	0845 0913	MIDDLETON-WHISLER	17.8	15.1	9.47	5.21	143.	.6	21	0	FC26	
18	7-18	0925 1000	WHISLER-MIDDLETON	17.8	14.5	9.45	5.21	137.	.6	21	0	FC5	
19	7-18	1000 1030	MIDDLETON-WHISLER	17.8	14.8	9.46	5.21	140.	.6	19	0	FC12	
20	7-18	1012 1025	STUNDEN-LINDSAY	12.1	9.63	15.3	5.21	147.	.6	15	0	PITOT	
21	7-18	1237 1325	STUNDEN-WHISLER	17.5	12.5	9.04	5.02	113.	.6	19	0	FC12	
22	7-18	1343 1415	MIDDLETON-WHISLER	17.2	11.6	8.71	4.91	101.	.6	19	0	FC26	
23	7-18	1422 1455	WHISLER-MIDDLETON	17.6	11.7	8.55	4.91	100.	.6	19	0	FC5	
24	7-19	1030 1055	MIDDLETON-WHISLER	16.4	8.15	7.73	4.58	63.0	.6	18	0	FC26	
25	7-19	1100 1132	STUNDEN-WHISLER	16.7	8.56	7.73	4.58	66.2	.6	18	0	FC12	
26	7-19	1248 1320	WHISLER-MIDDLETON	17.2	9.64	8.16	4.71	78.7	.6	18	0	FC26	
27	7-19	1625 1653	MIDDLETON-WHISLER	17.0	9.84	8.12	4.72	79.9	.6	18	0	FC26	
28	7-20	0810 0842	WHISLER-MIDDLETON	18.2	14.8	9.53	5.26	141.	.6	19	0	FC32	
29	7-20	0844 0905	MIDDLETON-WHISLER	18.2	15.2	9.54	5.26	145.	.6	19	0	FC26	
30	7-20	1920 2025	WHISLER-MIDDLETON	19.2	18.1	10.6	5.58	192.	.6	20	0	FC32	
31	7-20	2000 2025	MIDDLETON-WHISLER	19.0	18.1	10.7	5.58	193.	.6	20	0	FC26	
32	7-21	0855 0918	STUNDEN-MIDDLETON	12.1	11.0	17.4	5.58	192.	.2	15	0	PITOT	
33	7-21	1048 1135	WHISLER-MIDDLETON	18.4	21.1	8.96	5.58	189.	.6	20	0	FC32	
34	7-21	1137 1146	STUNDEN-MIDDLETON	18.4	21.2	9.06	5.58	192.	.2	15	0	PITOT	
35	7-21	1170 1190	MIDDLETON-WHISLER	18.4	21.8	8.99	5.60	196.	.6	19	+04	FC32	
36	7-21	1422 1448	STUNDEN-MIDDLETON	12.1	12.4	18.4	5.82	228.	.8	15	+03	PITOT	
37	7-21	1708 1730	" "	12.1	12.0	18.2	5.75	219.	.8	15	0	"	
38	7-22	0850 0930	WHISLER-MIDDLETON	18.9	23.3	9.35	5.75	218.	.6	20	0	FC5	
39	7-22	0942 1010	MIDDLETON-WHISLER	18.9	23.7	9.07	5.75	215.	.6	20	0	FC32	
40	7-23	0837 0910	WHISLER-MIDDLETON	18.7	23.1	9.13	5.73	211.	.6	20	0	"	
41	7-23	0915 0940	MIDDLETON-WHISLER	18.6	23.4	9.27	5.73	217.	.6	20	0	FC5	
42	7-23	1150 1646	WHISLER-MIDDLETON	19.0	24.4	9.30	5.82	227.	.6	20	0	"	
43	7-23	1700 1740	MIDDLETON-WHISLER	19.0	24.3	9.26	5.82	225.	.6	19	0	FC32	
44	7-27	1055 1120	" "	18.4	21.0	9.19	5.60	193.	.6	20	0	FC26	
45	7-27	1128 1200	WHISLER-MIDDLETON	18.5	21.0	8.90	5.59	187.	.6	20	0	FC5	
46	9-1	0945 1010	LUCE -STUNDEN THOMAS-DE MARS	12.0	14.2	16.06	5.87	228.	.6	15	0	PITOT	
47	9-1	1100 1210	DE MARS-STUNDEN THOMAS-LUCE	12.0	14.9	15.10	5.87	225.	.2	15	0	PITOT	
48	9-15	0930 1025	WHISLER-MIDDLETON	19.0	24.8	9.07	225.	.6	20	0	FC26		
49	9-15	1034 1102	MIDDLETON-WHISLER	19.0	25.1	9.20	231.	.6	20	0	FC26		
50	9-15	1118 1200	WHISLER-MIDDLETON	19.0	24.8	9.11	226.	.6	20	0	"		
51	9-15	1240 1320	MIDDLETON-WHISLER	19.0	25.0	9.24	231.	.6	20	0	"		
52	9-20	0843 0920	MIDDLETON-WHISLER	18.8	24.7	9.03	223.	.6	20	0	"		
53	9-20	0927 1013	WHISLER-MIDDLETON	18.8	24.5	9.10	223.	.6	20	0	FC5		
54	9-20	1021 1050	MIDDLETON-WHISLER	18.8	24.7	9.11	5.83	225.	.6	20	0	FC26	
55	9-20	1108 1148	WHISLER-MIDDLETON	18.8	24.6	9.02	222.	.6	20	0	FC5		
56	9-21	0822 0854	MIDDLETON-WHISLER	17.4	15.9	7.80	5.16	124.	.6	19	0	FC5	
57	9-21	0906 0925	MIDDLETON-WHISLER	17.4	16.03	8.02	5.16	128.	.6	18	0	FC26	
58	9-21	0935 1005	WHISLER-MIDDLETON	17.4	16.1	7.88	5.16	127.	.6	19	0	FC5	
59	9-21	1017 1036	MIDDLETON-WHISLER	17.4	16.02	8.01	5.16	128.	.6	18	0	FC26	

DISCHARGE MEASUREMENTS OF LIVE OAK WASH  
 below 7th Street - La Verne DURING THE YEAR ENDING SEPTEMBER 30, 1956

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.-PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT- ING	METH- OD	MEAN REC. NO.	HT. SHAPE TOTAL	METER NO.
60	10-15	1523 1535	MIDDLETON-WHISLER	16.8	10.7	3.81	4.265	40.8		.6	12	+ .17	FC26
61	10-15	1544 1556	WHISLER-MIDDLETON	17.1	8.91	7.84	4.59	69.9		.6	11	+ .12	"
62	10-15	1609 1622	MIDDLETON-WHISLER	17.4	12.2	9.02	4.91	110.		.6	12	+ .12	"
63	10-15	1628 1643	WHISLER-MIDDLETON	18.2	14.2	9.37	5.13	133.		.6	13	+ .25	"
64	10-15	1649 1702	MIDDLETON-WHISLER	18.3	15.6	9.87	5.27	154.		.6	13	+ .09	"
65	10-15	1706 1720	WHISLER-MIDDLETON	18.9	17.3	9.94	5.41	172.		.6	13	+ .02	"
66	10-16	0925 0956	WHISLER-MIDDLETON	19.2	25.5	9.45	5.90	241.		.6	20	0	FC5
67	10-16	1005 1029	MIDDLETON-WHISLER	19.2	25.6	9.53	5.90	244.		.6	20	0	FC26
68	10-17	1436 1447	MIDDLETON-WADDICOR	17.2	12.2	4.01	4.35	48.9		.6	12	+ .10	"
69	10-17	1451 1503	" "	17.4	14.3	4.26	4.52	61.		.6	12	+ .06	"
70	10-17	1513 1529	" "	17.4	11.1	8.83	4.83	98.		.6	12	+ .15	"
71	10-17	1531 1544	" "	18.0	13.3	9.40	5.03	125.		.6	12	+ .14	"
72	10-17	1600 1612	" "	17.6	17.2	8.66	5.27	149.		.6	12	+ .07	"
73	10-17	1625 1638	" "	18.0	19.5	8.88	5.45	173.		.6	13	+ .10	"
74	10-17	1650 1705	" "	18.5	22.0	9.14	5.63	201.		.6	13	+ .07	"
75	10-18	0858 0922	MIDDLETON-WHISLER	19.0	24.7	9.55	5.89	236.		.6	20	0	"
76	10-18	0933 1003	WHISLER-MIDDLETON	19.0	25.0	9.56	5.89	239.		.6	20	0	FC5
77	10-21	1448 1530	MIDDLETON	18.6	20.4	11.6	5.89	237.		.6	20	0	FC26
78	10-28	1327 1425	"	18.8	20.2	11.8	5.89	238.		.6	20	0	FC26
79	11-7	0830 0910	"	18.6	21.1	11.3	5.89	238.		.6	20	0	"
80	11-17	1535 1615	"	18.6	21.4	11.1		237.		.6	20		"
81	12-3	1400 1440	"	19.9	25.9	8.88		230.		.6	21		"

73074W Ca 12-53

LOS ANGELES COUNTY  
 FLOOD CONTROL DISTRICT  
 HYDRAULIC DIVISION

Sta. No. F311-R

Daily discharge, in second-feet of LIVE OAK WASH near 7th & "B" Streets, La Verne for the year ending September 30, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	0	0	0	231.6	234.8
2	0	0	0	0	0	0	0	0	0	0	231.6	234.0
3	0	0	0	0	0	0	0	0	0	0	231.6	234.8
4	0	0	0	0	0	0	0	0	0	0	231.6	234.8
5	0	0	0	0	0	0	0	0	0	0	230.8	231.6
6	0	0	0	0	0	0	0	0	0	0	234.0	229.4
7	0	0	0	0	0	0	0	0	0	0	233.2	176.4
8	0	0	0	0	0	0	0	0	0	16.6	233.2	230.1
9	0	0	0	0	0	0	0	0	0	83.0	234.6	231.6
10	0	0	0	0	0	0	0	0	0	103.2	233.2	232.4
11	0	0	0	0	0	0	0	0	0	109.2	232.4	233.2
12	0	0	0	0	0	0	0	0	0	94.7	231.6	233.6
13	0	0	0	0	0	0	0	0	0	0	230.1	233.5
14	0	0	0	0	0	0	0	0	0	0	230.1	232.4
15	0	0	0	0	0	0	0	0	0	0	230.1	230.9
16	0	0	0	0	0	0	0	0	0	0	231.6	230.1
17	0	0	0	0	0	0	0	0	0	38.6	231.6	230.1
18	0	0	0	0	0	0	0	0	0	121.3	231.6	229.4
19	0	0	0	0	0	0	0	0	0	100.1	232.4	228.6
20	0	0	0	0	0	0	0	0	0	158.4	231.6	183.4
21	0	0	0	0	0	0	0	0	0	204.8	231.6	113.1
22	0	0	0	0	0	0	0	0	0	215.8	231.6	0
23	0	0	0	0	0	0	0	0	0	218.8	231.6	0
24	0	0	0	0	0	0	0	0	0	227.0	230.9	0
25	0	0	0	0	0	0	0	0	0	226.2	231.6	0
26	0	0	0	0	0	0	0	0	0	226.4	231.6	0
27	0	0	0	0	0	0	0	0	0	167.3	230.9	0
28	0	0	0	0	0	0	0	0	0	99.8	231.6	0
29	0	0	0	0	0	0	0	0	0	109.4	232.4	0
30	0	0	0	0	0	0	0	0	0	223.1	232.4	0
31	0	0	0	0	0	0	0	0	0	233.7	233.2	0
	0	0	0	0	0	0	0	0	0	3083.2	7188.1	4654.2

MEAN												
ACRE- FEET										6115.4	14257.4	9231.5
Remarks:										YEAR OR PERIOD	MEAN ACRE-FEET	29604.3

FD-10 (Rev. 12-53)

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F311-R

Daily discharge, in second-feet of LIVE OAK WASH below 7th Street, La Verne for the year ending September 30, 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		237.8	234.8									
2		237.8	234.8									
3		237.8	234.8									
4		237.8	234.8									
5		237.8	234.8									
6		235.8	137.8									
7		239.4										
8		239.4										
9		239.4										
10		237.8										
11		226.4										
12		103.0										
13		236.3										
14		236.3										
15		236.3										
16	238.9	236.3										
17	142.8	236.3										
18	237.8	236.3										
19	237.8	236.3										
20	237.8	236.3										
21	237.8	236.3										
22	237.8	236.3										
23	237.8	236.3										
24	237.8	236.3										
25	237.8	236.3										
26	237.8	236.3										
27	237.8	236.3										
28	237.8	236.3										
29	237.8	235.8										
30	237.8	234.8										
31	237.8											

3817.6      1360.0  
6961.2

MEAN	123.1	232.	43.9									
ACRE-FOOT	7572.1	13807.3	2697.5									

Remarks:

YEAR OR PERIOD      MEAN      33.3  
ACRE-FOOT      24080.

STATION E 5C-R  
LOS ANGELES RIVER below Sepulveda Dam

LOCATION: WATER-STAGE RECORDER, LAT. 34°09'56", LONG. 118°28'10", ON RIGHT (SOUTH) BANK OF OUTLET CHANNEL OF SEPULVEDA DAM, 200 FEET UPSTREAM FROM SEPULVEDA BOULEVARD, ALTITUDE OF GAGE 670 FEET.

DRAINAGE AREA: 155 SQUARE MILES.

RECORDS AVAILABLE: MAY 1943 TO SEPTEMBER 1955, AT STATIONS F5-R AND F5B-R, FROM DECEMBER 19, 1926 TO MARCH 3, 1938 AND FROM APRIL 26, 1938 TO MARCH 27, 1952.

AVERAGE DISCHARGE: 12 YEARS (1943-55) 20.7 SECOND-FOOT.

EXTREMES:

1953-54  
MAXIMUM DISCHARGE 4000 SECOND-FOOT FEBRUARY 13. (GAGE HEIGHT 4.89 FEET.)  
MINIMUM DAILY DISCHARGE 1.6 SECOND-FOOT OCTOBER 5, 6.

1954-55  
MAXIMUM DISCHARGE 2220 SECOND-FOOT JANUARY 16. (GAGE HEIGHT 3.39 FEET.)  
MINIMUM DAILY DISCHARGE 4.2 SECOND-FOOT DECEMBER 27, 29, APRIL 4, AUGUST 10.

1943-55  
MAXIMUM DISCHARGE 6520 SECOND-FOOT JANUARY 15, 1952. (GAGE HEIGHT 14.96 FEET.)  
MINIMUM DAILY DISCHARGE 1.3 SECOND-FOOT SEPTEMBER 20-22, 24, 25, 1951.

REMARKS: RECORDS GOOD, FLOW REGULATED BY SEPULVEDA FLOOD CONTROL RESERVOIR (CAPACITY, 17,400 ACRE-FOOT). SOME DIVERSION ABOVE STATION. CITY OF LOS ANGELES DISCHARGED 1610 ACRE-FOOT OF IMPORTED OWENS RIVER WATER FROM CHATSWORTH RESERVOIR INTO LOS ANGELES RIVER ABOVE STATION DURING 1953-54 AND IN 1954-55 SUCH DISCHARGES AMOUNTED TO 7820 ACRE-FOOT.

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

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER  
below Sepulveda Dam      DURING THE YEAR ENDING SEPTEMBER 30, 1954

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- ION	METH- OD	MEAN SEC. NO.	D. CHG. TOTAL	METER NO.
714	10-1		U.S.G.S.	17.0	4.10	1.18	0.36	4.86	.6	30	0		
715	10-8	0748 0802	LUCE	25.5	8.23	1.91	0.56	15.7	.6	13	0	FC41	
716	10-15		U.S.G.S.	11.0	3.66	2.39	0.42	8.74	.6	18	0		
717	10-22	1455 1510	LUCE	11.0	3.42	1.64	0.41	5.60	.5	9	0	FC41	
718	10-29		U.S.G.S.	12.0	3.11	1.78	0.40	5.53	.5	19	-.01		
719	11-5	0900 0910	LUCE	7.8	2.45	1.43	0.42	3.50	.5	10	0	FC41	
720	11-13		U.S.G.S.	18.2	5.02	1.22	0.38	6.12	.6	20	0		
721	11-19	0820 0827	LUCE	15.0	3.26	1.87	0.33	6.1	.5	9	0	FC41	
722	12-1		U.S.G.S.	16.0	4.05	1.15	0.34	4.67	.5	25	0		
723	12-3	0810 0820	LUCE	12.0	2.56	1.52	0.34	3.89	.5	10	0	FC41	
724	12-15		U.S.G.S.	7.5	2.13	1.92	0.32	4.00	.5	16	+.01		
725	12-23	0740 0750	LUCE	8.0	1.86	1.67	0.33	3.13	.5	9	0	FC41	
726	1-5		U.S.G.S.	13.8	4.63	1.43	0.35	6.62	.5	29	0		
727	1-7	0908 0918		8.1	2.37	1.85	0.32	4.39	.5	10	0	FC41	
728	1-14		U.S.G.S.	14.6	3.88	1.21	0.28	4.68	.5	29	0		
729	1-18		"	30.2	10.9	2.18	0.53	22.9	.6	31	-.02		
730	1-18		"	12.5	7.38	3.48	0.51	25.7	.6	26	-.02		
731	1-19		"	47.0	23.5	5.02	0.93	118.	.6	25	+.08		
732	1-20		"	46.5	13.8	4.99	0.76	68.8	.5	25	-.02		



FD-144 (b) 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. ESC-R

Daily discharge, in second-feet of LOS ANGELES RIVER below Sepulveda Dam for the year ending September 30, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3.4	4.8	4.8	3.2	6.0	4.8	8.9	8.9	6.7	8.1	3.6	2.5
2	1.8	3.7	4.2	3.7	5.7	6.7	8.1	8.1	6.7	8.1	3.7	2.5
3	1.6	3.7	4.8	3.2	7.2	5.4	7.4	7.4	6.7	8.9	3.9	2.4
4	3.4	3.7	4.7	3.2	1.2	5.4	7.4	7.4	8.1	8.9	3.4	2.4
5	1.4	3.7	4.8	4.8	1.5	5.4	7.4	7.4	9.7	8.9	3.4	2.4
6	1.4	3.7	4.2	4.2	1.8	5.4	8.1	8.1	7.4	8.9	2.2	2.4
7	2.0	3.7	4.2	4.8	1.6	5.4	8.1	8.1	7.4	8.9	2.1	2.4
8	1.4	3.7	3.7	6.9	1.5	4.8	8.1	8.9	8.1	1.2	2.1	2.4
9	1.2	4.4	3.2	3.7	1.4	6.7	7.4	8.9	8.1	1.8	2.2	2.4
10	1.2	4.2	3.2	3.7	1.2	7.4	7.4	7.4	8.1	1.8	2.1	2.5
11	1.2	4.2	2.8	3.7	6.7	6.0	7.4	7.4	8.1	1.8	2.1	2.5
12	1.2	4.2	3.2	3.8	6.0	6.0	7.4	7.4	8.1	1.9	2.0	2.4
13	1.4	4.8	3.2	7.2	8.4	7.4	8.1	6.7	8.9	2.0	2.0	2.5
14	1.4	3.1	3.2	4.8	1.2	6.0	8.1	6.7	8.9	2.0	2.0	2.6
15	5.0	3.3	3.7	5.4	1.2	6.0	8.1	6.7	8.1	2.0	2.1	2.5
16	3.2	6.7	4.2	4.8	3.1	13.1	8.1	6.7	1.2	1.9	2.1	3.0
17	3.7	6.0	3.7	4.8	9.7	4.5	8.1	6.3	8.9	1.9	2.1	3.1
18	2.4	6.0	4.2	2.7	3.1	6.0	1.4	6.0	8.1	1.9	2.0	3.1
19	2.4	6.0	4.2	7.1	7.4	8.4	1.6	6.7	8.1	1.9	2.1	3.0
20	2.4	6.0	4.2	3.5	6.7	1.2	9.7	6.7	8.1	1.9	2.5	2.5
21	2.4	4.8	3.7	1.6	6.7	7.6	8.1	8.1	8.1	2.0	2.6	2.5
22	4.2	4.8	3.7	1.9	6.0	3.2	5.4	8.9	8.1	2.1	2.4	2.5
23	2.8	4.8	3.2	1.2	6.0	7.4	6.0	8.1	8.1	2.1	2.5	2.8
24	2.8	4.8	2.8	1.2	6.0	2.0	6.0	9.7	8.1	2.1	2.5	2.8
25	3.7	4.8	2.8	1.3	6.0	2.4	6.0	8.9	8.1	2.1	2.5	3.0
26	3.7	4.8	2.8	1.3	6.0	2.4	6.0	8.9	8.1	2.1	2.5	2.8
27	4.2	4.8	2.8	1.3	6.0	2.4	6.0	7.4	8.1	2.2	2.4	2.8
28	5.4	4.8	2.8	7.4	4.8	5.4	9.9	7.4	8.1	2.5	2.5	3.0
29	6.0	4.8	3.2	8.1	4.8	5.4	9.9	7.4	8.1	2.5	2.2	2.8
30	6.0	4.8	3.7	7.4	4.8	1.5	9.9	7.4	8.1	2.8	2.2	2.6
31	5.4	3.7	3.7	6.7	1.0	1.0	6.7	7.4	8.1	3.4	2.4	2.6
202.3      255.2      116.6      1297.6      1201.9      762.6      246.2      235.3      245.3      559.7      75.2      79.2												
MEAN	6.53	8.51	3.76	4.19	4.29	24.6	8.21	7.59	8.18	18.1	24.3	26.4
ACRE-FOOT	401.	506.	231.	2570.	2380.	1510.	488.	467.	487.	1110.	1490.	1570.
Remarks:												YEAR OR PERIOD MEAN ACRE-FOOT 18.3 13210.

FD-144 (b) 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. ESC-R

Daily discharge, in second-feet of LOS ANGELES RIVER below Sepulveda Dam for the year ending September 30, 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	25.0	6.7	4.8	1.9	7.4	7.4	4.8	8.9	3.4	4.1	8.1	2.2
2	25.0	6.7	5.4	1.2	6.7	7.4	4.8	9.7	3.4	4.1	6.7	2.2
3	28.0	6.7	1.8	8.1	6.7	7.4	4.8	8.1	3.6	3.7	7.4	2.5
4	30.0	7.4	2.4	6.0	6.7	7.4	4.2	7.4	3.7	3.7	8.1	2.6
5	30.0	5.0	3.1	5.4	6.7	7.4	4.8	9.7	3.7	3.7	7.4	2.6
6	30.0	6.0	6.0	1.0	6.0	7.4	4.8	8.9	4.2	3.4	6.0	2.6
7	32.0	6.0	6.7	1.0	6.0	7.4	5.4	8.0	4.2	3.4	6.0	2.6
8	32.0	6.7	7.4	6.0	6.0	6.7	6.0	6.0	4.1	3.2	5.4	2.6
9	31.0	6.7	2.9	6.0	6.0	7.4	5.4	6.0	3.9	3.6	4.8	2.8
10	31.0	7.4	6.0	3.1	6.0	1.5	6.0	6.0	4.1	4.1	4.2	2.8
11	30.0	1.4	9.7	1.7	6.0	6.5	5.4	6.0	3.9	4.1	7.0	2.8
12	28.0	2.8	5.4	1.2	5.4	8.1	4.8	5.4	3.6	3.9	2.4	2.5
13	28.0	6.7	7.4	1.2	6.0	7.4	4.8	5.4	3.6	3.4	2.4	2.2
14	22.0	6.0	9.7	1.2	6.0	9.7	5.4	5.4	3.4	3.2	2.5	2.5
15	12.0	9.2	7.4	1.2	5.0	8.1	5.4	6.0	3.0	3.4	2.1	2.4
16	8.1	1.4	8.9	3.6	2.1	1.1	5.4	7.4	2.9	3.6	2.2	2.5
17	6.7	4.8	8.9	1.1	6.2	6.0	6.7	6.0	3.4	3.4	2.5	2.8
18	6.7	4.8	7.4	5.4	6.1	6.0	7.4	6.5	3.2	3.2	2.5	2.8
19	7.4	4.8	6.7	3.4	4.8	6.0	8.9	2.5	3.2	3.4	2.5	3.0
20	8.1	4.8	4.8	3.7	4.8	6.0	2.8	2.5	3.2	3.4	2.5	3.0
21	6.7	4.8	4.8	3.1	4.8	6.0	3.9	2.5	3.1	3.4	2.6	3.1
22	6.0	4.8	4.8	8.1	5.4	6.7	1.6	2.5	3.1	3.6	2.5	3.1
23	6.0	4.8	4.8	7.4	5.4	6.7	1.4	2.5	3.2	3.6	2.5	3.1
24	6.0	4.8	4.8	7.4	5.4	6.7	1.3	2.5	3.2	3.4	2.5	3.2
25	6.0	4.8	4.8	7.4	6.0	6.0	3.4	2.5	3.2	3.4	2.6	3.2
26	6.7	4.8	4.8	7.4	6.7	5.4	4.5	2.5	3.2	3.2	2.5	3.2
27	6.7	4.8	4.2	6.7	6.2	5.4	3.0	2.5	3.2	3.2	2.2	3.2
28	6.0	4.8	4.2	1.5	9.7	4.8	3.0	2.6	3.7	3.1	2.2	3.2
29	6.0	4.8	4.2	1.0	6.0	6.0	2.8	2.8	3.9	3.0	2.2	2.8
30	6.0	4.8	4.8	2.7	6.0	5.4	2.8	3.0	4.1	3.0	2.2	2.8
31	6.0	4.8	4.8	3.0	6.0	6.0	3.1	3.1	4.1	2.3	2.2	3.1
519.1      342.4      296.7      1334.7      297.7      299.3      833.2      617.9      1058.0      1075.0      550.5      832.0												
MEAN	16.7	11.4	9.57	44.7	10.6	9.65	27.6	15.9	35.3	34.7	17.6	27.7
ACRE-FOOT	1030.	679.	588.	2750.	590.	594.	1650.	1230.	2100.	2130.	1060.	1650.
Remarks:												YEAR OR PERIOD MEAN ACRE-FOOT 22.2 16,060.

STATION 299-R  
LOS ANGELES RIVER at Radford Avenue

LOCATION: WATER-STAGE RECORDER, LAT.  $34^{\circ}08'51''$ , LONG.  $118^{\circ}23'30''$ , ON THE LEFT (NORTH) CHANNEL WALL, 120 FEET BELOW RADFORD AVENUE BRIDGE. ELEVATION OF ZERO GAGE HEIGHT, 572.44 FEET.

DRAINAGE AREA: 183.0 SQUARE MILES.

CHANNEL AND CONTROL: RECTANGULAR CONCRETE CHANNEL 60 FEET WIDE AND 15 FEET DEEP. CHANNEL FORMS CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING.

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

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

RECORDS AVAILABLE: RECORDER RECORDS FROM FEBRUARY 21, 1950 TO SEPTEMBER 30, 1955.

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

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

STATION F300-R  
LOS ANGELES RIVER at Tujunga Avenue

LOCATION: WATER-STAGE RECORDER, LAT.  $34^{\circ}06'26''$ , LONG.  $116^{\circ}22'44''$ , ON THE LEFT (NORTH) CHANNEL WALL 200 FEET ABOVE TUJUNGA AVENUE BRIDGE. ELEVATION OF ZERO GAGE HEIGHT 540.08 FEET.

DRAINAGE AREA: 406 SQUARE MILES.

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

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

RECORDER: INSTALLED OVER A 48-INCH DIAMETER CONCRETE STILLING WELL ON MAY 6, 1950. A STEVENS TYPE A35-B CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1953 TO SEPTEMBER 30, 1955.

REGULATION AND/OR DIVERSIONS: SUBJECT TO SAME REGULATION AS STATION ESC-R AND STATION F1050-R, AND IN ADDITION, FLOW IS REGULATED BY PACOIMA DAM AND PACOIMA SPREADING GROUNDS.

RECORDS AVAILABLE: MAY 8, 1950 TO SEPTEMBER 30, 1955.

EXTREMES OF DISCHARGE:

1953-54  
MAXIMUM 5100 SECOND-Feet FEBRUARY 13.  
MINIMUM 4.4 SECOND-Feet NOVEMBER 4.  
1954-55  
MAXIMUM 4560 SECOND-Feet JANUARY 10.  
MINIMUM 5.7 SECOND-Feet DECEMBER 1.  
1950-55  
MAXIMUM 13220 SECOND FEET JANUARY 15, 1952.  
MINIMUM 2.3 SECOND-Feet VARIOUS TIMES IN 1950-51.

ACCURACY: 6000.

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, 1954

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT-PER-SEC.	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAT. ING.	METH. CO.	MEAN REC. NO.	SI. HT. CHANGE TOTAL	METER NO.
261	7-1	0850 0900	LUCE	12.0	7.50	1.31	0.71	9.8	.5	9	0	FC41	
262	7-8	0832 0840	"	12.0	9.15	1.43	0.84	13.1	.6	9	0	"	
263	7-15	0916 0922	"	12.0	11.8	1.76	1.07	20.8	.6	9	0	"	
264	7-22	0802 0810	"	12.0	12.0	1.68	1.08	20.2	.6	9	0	"	
265	7-29	0728 0740	"	12.0	13.9	1.74	1.23	24.2	.6	9	0	"	
266	8-5	1415 1423	"	12.0	12.4	1.70	1.15	21.1	.6	12	0	"	
267	8-12	1220 1232	"	12.0	12.1	1.50	1.10	18.2	.6	12	0	"	
268	8-19	1420 1428	"	12.0	12.1	1.69	1.10	20.5	.6	12	0	"	
269	8-26	0800 0812	"	12.0	13.1	1.84	1.19	24.1	.6	11	0	"	
270	9-2	0802 0810	"	12.0	13.4	1.82	1.19	24.4	.6	10	0	"	
271	9-8	1100 1108	BLAKELY	12.0	13.3	1.81	1.22	24.1	.6	8	0	FC24	
272	9-16	1400 1410	LUCE	12.0	14.7	2.12	1.31	31.2	.6	10	0	FC41	
273	9-23	1438 1438	"	12.0	15.0	2.18	1.33	32.6	.6	10	0	"	
274	9-30	1600 1608	"	12.0	14.6	2.21	1.38	32.3	.6	10	0	"	

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT-PER-SEC.	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAT. ING.	METH. CO.	MEAN REC. NO.	SI. HT. CHANGE TOTAL	METER NO.
203	10-1	0950 1000	LUCE	12.0	5.25	1.15	0.53	6.1	-6	10	0	FC41	
204	10-8	0925 0936	"	12.0	12.9	1.64	1.15	21.1	-6	10	0	"	
205	10-14	0748 0800	"	12.0	12.9	1.85	1.21	23.9	-6	10	0	"	
206	10-22	1350 1400	"	12.0	7.13	1.30	0.68	9.3	-6	10	0	"	
207	10-29	0945 0950	"	12.0	5.05	1.11	0.51	5.6	-5	10	0	"	
208	11-5	1020 1028	"	12.0	5.06	1.07	0.53	5.4	-5	10	0	"	
209	11-12	0847 0857	"	12.0	5.39	1.26	0.54	6.8	-5	10	0	"	
210	11-14	1402 1408	LE MAR-LUCE	120.	131.	9.24	3.99	1210.	F	OATS	8	+2+2	
211	11-14	1417 1422	"	120.	115.	8.69	3.84	1000.	"	8	+04	"	
212	11-15	0937 0948	"	12.0	13.8	2.45	1.26	33.7	-6	10	+02	FC41	
213	11-19	0855 1000	LUCE	12.0	5.49	1.35	0.55	7.4	-5	10	+01	"	
214	11-25	0850 0900	"	12.0	5.07	1.16	0.50	5.9	-5	10	0	"	
215	12-3	0925 0935	"	12.0	5.07	1.38	0.50	7.0	-5	10	0	"	
216	12-10	0900 0908	"	12.0	4.61	1.38	0.50	6.4	-5	10	0	"	
217	12-17	1045 1053	"	12.0	4.37	1.21	0.47	5.3	-5	10	+01	"	
218	12-23	0808 0808	"	12.0	4.47	1.12	0.47	5.0	-5	10	0	"	
219	12-31	0807 0815	"	12.0	4.96	1.17	0.49	5.8	-5	10	0	"	
220	1-7	1110 1122	"	12.0	5.55	1.22	0.56	6.8	-5	10	0	"	
221	1-14	0825 0835	"	12.0	4.56	1.34	0.50	6.1	-5	10	0	"	
222	1-16	1340 1350	LUCE-LE MAR	12.0	1.17	2.26	1.16	24.4	-6	10	+01	"	
223	1-18	1535 1545	"	12.0	23.4	3.00	1.95	70.3	-6	9	+21	"	
224	1-19	1045 1101	"	12.0	34.8	4.63	3.20	161.	-6	8	+08	"	
225	1-19	1625 1728	"	121.	204.	9.85	4.46	2010.	-6	18	+28	"	
226	1-21	1028 1036	LUCE	12.0	9.53	1.94	1.01	18.5	-6	10	0	"	
227	1-25	0145 0230	LUCE-LE MAR	120.	106.	7.30	3.67	774.	-6	15	+02	"	
228	1-25	0815 0822	"	12.0	38.0	8.38	3.40	318.	-6	5	0	"	
229	1-25	0825 0830	"	12.0	38.4	7.46	3.41	286.	-6	5	+01	"	
230	1-26	0942 0946	"	12.0	7.04	1.72	0.74	12.1	-6	10	0	"	
231	1-28	1110 1120	LUCE	12.0	6.54	1.53	0.65	10.0	-6	9	0	"	
232	2-4	0946 0954	"	12.0	9.56	1.66	0.84	15.8	-6	10	0	"	
233	2-11	0940 0948	"	12.0	6.44	1.31	0.68	8.4	-6	10	0	"	
234	2-13	1300 1340	LUCE-LE MAR	120.	223.	10.1	4.56	2260.	-6	17	+46	"	
235	2-13	1340 1417	"	120.	228.	10.5	4.82	2400.	-5	17	+08 +16	"	
236	2-14	0910 0915	"	12.0	38.4	5.03	3.20	193.	-6	5	+02	"	
237	2-14	0920 0925	"	12.0	38.4	5.16	3.20	198.	-6	5	+02	"	
238	2-18	1120 1128	LUCE	12.0	7.66	1.58	0.74	12.1	-6	10	0	"	
239	2-25	0710 0720	"	12.0	9.51	1.51	0.87	14.4	-6	10	+01	"	
240	3-4	0900 0906	"	12.0	6.35	1.35	0.64	8.6	-5	10	0	"	
241	3-11	1457 1507	GOOFREY	12.0	5.38	1.36	0.56	7.3	-5	8	+01	FC28	
242	3-18	0845 0855	LUCE	12.0	6.35	1.81	0.73	11.5	-6	10	+01	FC41	
243	3-20	0814 0839	BLAKELY-LE MAR	120.	122.	8.45	3.91	1030.	-6	18	+09 +03	FC24	
244	3-21	1155 1200	"	12.0	7.28	1.72	0.84	12.5	-6	8	+02	"	
245	3-23	1150 1200	LUCE	12.0	6.83	1.74	0.76	11.9	-6	10	0	FC41	
246	3-25	1100 1112	"	12.0	9.59	1.89	1.00	18.1	-6	10	0	"	
247	3-30	0110 0150	LUCE-LE MAR	120.	155.	9.87	4.07	1530.	-6	16	+12	"	
248	4-1	0954 1002	LUCE	12.0	7.14	1.54	0.74	11.0	-6	10	0	"	
249	4-8	0955 1005	"	12.0	6.98	1.48	0.68	10.3	-6	9	0	"	
250	4-15	0932 0940	"	12.0	6.80	1.33	0.66	9.1	-6	10	0	"	
251	4-22	0850 0856	LUCE	12.0	5.99	1.45	0.67	8.7	-5	11	0	FC41	
252	4-29	0830 0838	"	12.0	11.2	1.94	1.08	21.7	-6	10	+01	"	
253	5-6	0930 0936	"	12.0	6.02	1.34	0.61	8.1	-6	10	0	"	
254	5-13	0936 0946	"	12.0	6.41	1.25	0.62	8.0	-6	10	0	"	
255	5-20	1210 1216	"	12.0	6.93	1.07	0.67	7.4	-6	10	0	"	
256	5-27	0850 0902	"	12.0	7.52	1.26	0.72	9.5	-6	10	0	"	
257	6-3	0930 0940	"	12.0	7.47	1.22	0.67	9.1	-6	10	0	"	
258	6-10	1117 1125	"	12.0	7.97	1.22	0.74	9.7	-6	10	0	"	
259	6-17	0828 0828	"	12.0	7.77	1.31	0.75	10.2	-6	9	0	"	
260	6-24	1415 1430	DEMARS	12.0	8.00	1.25	0.72	10.0	-6	9	0	FC34	

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER  
 AT NEAR: Tujunga Avenue DURING THE YEAR ENDING SEPTEMBER 30, 1955

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT-PER-SEC.	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAT. ING.	METH. CO.	MEAN REC. NO.	SI. HT. CHANGE TOTAL	METER NO.
275	10-7	0825 0835	LUCE	12.0	14.8	2.19	1.41	32.4	.6	10	0	FC41	
276	10-14	1052 1102	"	12.0	13.1	2.18	1.33	28.5	.6	10	0	"	
277	10-21	0925 0935	"	10.8	4.96	1.73	0.65	8.6	.6	10	0	"	
278	10-28	0928 0934	LUCE-HYDE	11.1	4.74	1.54	0.62	7.3	.5	10	0	"	
279	11-4	0950 0958	LUCE	12.0	6.68	1.20	0.68	8.0	.6	10	0	"	
280	11-11	1330 1340	LUCE-FRIEDRICH	12.0	36.0	4.36	3.01	157.	.6	5	-11	"	
281	11-11	1340 1358	"	12.0	34.3	4.32	2.94	148.	.6	8	-04	"	
282	11-12	1590 1598	"	12.0	10.4	1.92	1.06	20.0	.6	9	-01	"	
283	11-18	0850 0850	LUCE	12.0	5.39	1.28	0.62	6.9	.6	10	0	"	
284	11-26	0900 0908	"	12.0	5.10	1.24	0.57	6.3	.5	9	0	"	
285	12-4	0920 0928	LUCE-FRIEDRICH	12.0	13.0	2.04	1.18	27.1	.6	9	0	"	
286	12-9	1506 1516	LUCE	12.0	6.42	1.24	0.66	8.0	.6	10	0	"	
287	12-10	1357 1403	LUCE-FRIEDRICH	12.0	11.0	1.98	1.02	21.9	.6	9	-01	"	
288	12-16	1115 1138	LUCE	12.0	7.10	1.44	0.69	10.2	.6	10	0	"	
289	12-23	1148 1148	"	12.0	5.90	1.20	0.66	6.4	.5	10	0	"	
290	12-30	0825 0835	"	12.0	5.09	1.25	0.54	6.4	.5	12	0	"	
291	1-7	1207 1215	LUCE-FRIEDRICH	12.0	6.73	1.77	0.84	11.9	.6	10	-01	"	
292	1-11	0940 0950	"	12.0	7.38	2.04	0.86	15.0	.6	11	0	"	
293	1-13	0823 0823	LUCE	12.0	5.61	1.59	0.61	8.9	.6	10	0	"	
294	1-17	1125 1130	LUCE-FRIEDRICH	12.0	6.35	1.64	0.71	10.4	.6	11	0	"	
295	1-18	1331 1415	LUCE-FRIEDRICH	120.	198.	11.4	4.56	2260.	.6	15	-28	FC41	
296	1-18	1415 1455	"	120.	177.	10.5	4.50	1860.	.6	15	-05	"	
297	1-19	1554 1602	"	12.0	9.73	2.09	1.07	20.3	.6	11	-02	"	
298	1-20	0840 0850	LUCE	12.0	6.45	1.61	0.71	10.4	.6	12	0	FC41	
299	1-27	0957 1005	"	12.0	5.70	1.42	0.60	8.1	.6	10	0	"	
300	1-31	1550 1556	"	12.0	17.8	2.28	1.58	40.6	.6	9	-04	"	
301	2-3	1120 1128	"	12.0	5.73	1.48	0.59	8.5	.5	9	0	"	
302	2-10	0935 0945	"	12.0	6.31	1.40	0.61	8.8	.6	9	0	"	
303	2-16	1610 1630	"	12.0	41.6	7.71	3.31	320.	.6	5	-12	"	
304	2-17	0932 0940	"	12.0	18.3	2.44	1.73	44.7	.6	10	-02	"	
305	2-24	0920 0928	"	12.0	5.40	1.31	0.57	7.1	.5	6	10	0	"
306													

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/PER SEC.	RAISE HEIGHT FEET	DISCHARGE SEC. FT.	RAT- ING	METH- OD	MEAN SEC. NO.	EL. HT. DIAMETER TOTAL	METER NO.
315	4-7	1080 1100	"	12.0	6.32	1.28	0.66	8.1		5 8	10	0	FC47
316	4-14	0900 0912	"	12.0	6.05	1.07	0.62	6.5		5 6	9	0	"
317	4-21	1210 1225	"	12.0	15.5	1.92	1.39	29.8		.6	11	+ .01	FC41
318	4-12	1125 1140	"	12.0	24.7	2.71	2.19	66.9		.6	11	- .06	"
319	4-28	0900 0912	"	12.0	15.1	2.02	1.39	30.5		.6	10	0	"
320	4-30	1410 1450	"	120.	148.	8.98	4.16	1330.		.6	19	+ 12	"
321	5-5	0940 0955	"	12.0	5.99	1.48	0.65	8.9		.6	13	0	"
322	5-9	0905 0917	"	12.0	6.23	1.51	0.71	9.4		.6	11	0	"
323	5-12	0930 0942	"	12.0	5.81	1.32	0.63	7.7		.6	9	0	"
324	5-19	1400 1411	DE MARS	12.0	14.3	2.02		28.9		.6	9		FC34
325	5-26	1420 1435	"	12.0	15.7	1.87		29.4		.6	9		"
326	6-2	1200 1210	HYDE	12.0	15.7	1.87		29.3		.6	8		FC35
327	6-9	1605 1615	GODFREY	12.0	16.3	1.61		26.3		.6	8		FC28
328	6-16	1320 1334	LUCE	12.0	15.4	1.98		30.5		.6	9		FC42
329	6-23	1550 1600	"	12.0	15.6	1.99		31.1		.6	9		"
330	6-30	0855 0910	"	12.0	17.3	2.58		44.6		.6	9		FC41
331	7-7	1055 1106	"	12.0	17.1	1.86		31.8		.6	11	0	"
332	7-14	0820 0832	"	12.0	17.4	2.18		37.9		.6	11	0	"
333	7-21	1005 1013	"	12.0	17.2	2.14		36.8		.6	11		"
334	7-28	1000 1012	"	12.0	16.4	2.04	1.46	33.4		.6	11	0	FC59
335	8-4	1145 1155	"	12.0	7.99	1.46	0.67	11.6		.6	9	+ .01	"
336	8-11	1045 1100	"	12.0	5.18	1.24	0.48	6.4		.6	11	0	"
337	8-18	0905 0915	"	12.0	14.7	1.94	1.28	28.5		.6	10	0	"
338	8-25	1035 1104	"	12.0	14.8	2.12	1.33	31.4		.6	10	0	"
339	9-1	0915 0925	"	12.0	14.0	2.06	1.30	28.8		.6	10	0	"
340	9-8	0905 0915	"	12.0	13.7	1.92	1.27	26.3		.6	10	0	"
341	9-15	0930 0942	"	12.0	15.0	2.08	1.37	31.1		.6	11	0	"
342	9-22	1133 1147	BLAKELY-SCOTT	12.0	14.8	2.22	1.34	32.8		.6	13	0	FC24
343	9-29	1126 1138	BLAKELY	12.0	13.2	1.71	1.15	22.6		.6	13	0	"

16014M C6 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F300-R

Daily discharge, in second-foot of LOS ANGELES RIVER at Tujunga Avenue for the year ending September 30, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	6.3	5.7	5.1	6.3	8.7	8.7	10.6	9.8	8.9	9.5	2.7	2.4
2	18.9	5.0	5.7	5.7	8.7	11.7	10.2	9.3	8.9	9.5	2.8	2.4
3	2.1	4.6	5.5	5.5	9.7	8.5	9.6	8.3	9.1	10.5	2.9	2.5
4	12.2	4.6	15.9	5.4	15.5	8.8	9.3	9.8	11.2	10.2	2.8	2.5
5	5.9	5.2	6.7	7.1	17.2	8.6	12.2	8.3	11.3	10.0	2.2	2.5
6	5.2	5.2	6.3	6.3	18.5	8.1	9.8	8.7	10.8	10.2	1.9	2.5
7	6.4	5.2	5.3	6.3	19.0	7.9	9.8	9.1	9.8	10.0	1.9	2.5
8	1.9	5.2	6.3	6.3	17.2	8.3	10.0	10.0	11.2	10.0	1.9	2.4
9	2.2	6.1	6.1	5.5	16.2	8.5	9.8	9.3	10.0	9.8	1.9	2.4
10	2.3	5.9	6.3	5.2	15.2	8.7	9.3	7.9	9.5	10.0	1.8	2.7
11	2.3	6.1	5.5	5.7	9.2	8.3	10.2	9.1	9.8	10.0	1.8	3.0
12	2.4	6.9	5.7	14.2	6.7	7.9	10.2	7.9	10.0	2.0	1.8	2.8
13	2.5	6.9	5.7	12.6	13.6	7.7	9.1	7.9	9.5	2.0	1.8	2.9
14	2.5		5.9	4.3	23.4	7.5	9.1	7.3	9.5	2.2	1.9	2.9
15	12.6	4.5	5.7	6.3	17.0	7.7	9.1	7.5	9.1	2.1	1.9	3.0
16	8.5	8.1	5.9	5.7	12.4	34.0	8.9	7.1	11.6	2.2	1.9	3.1
17	9.5	7.1	5.5	7.5	12.1	7.4	8.5	7.1	10.0	2.1	1.9	3.2
18	7.3	7.3	5.7	8.0	13.8	11.5	13.2	7.5	9.9	2.1	1.9	3.2
19	6.5	7.5	5.5	12.3	10.0	14.2	12.8	7.3	8.9	2.0	2.1	3.4
20	6.2	8.2	5.2	2.0	9.3	4.2	13.6	7.5	8.1	2.0	2.2	3.1
21	6.1	6.3	5.0	19.0	9.1	18.6	10.8	7.7	8.9	2.1	2.3	3.1
22	7.8	6.1	5.0	17.0	8.9	6.0	7.9	8.3	9.1	2.0	2.4	3.1
23	5.9	6.5	5.2	16.5	8.5	12.9	8.9	7.7	9.3	2.0	2.3	3.2
24	5.4	5.9	5.4	21.7	8.5	6.1	8.9	8.2	9.5	2.0	2.3	3.4
25	5.5	6.7	5.4	24.1	9.7	3.9	9.3	10.3	9.8	2.0	2.4	3.4
26	5.2	5.5	5.0	16.8	8.5	10.0	9.3	8.9	9.8	1.9	2.4	3.3
27	5.0	5.5	5.2	11.8	8.7	9.5	10.0	9.1	9.5	2.1	2.4	3.1
28	5.5	5.5	5.7	10.2	8.3	9.3	17.1	9.3	9.3	2.4	2.4	3.3
29	5.9	5.2	5.9	9.8		8.4	13.1	9.3	9.5	2.3	2.3	3.3
30	5.7	5.4	6.8	9.8		3.4	10.6	9.1	9.8	2.3	2.4	3.3
31	5.9	6.7	6.7	8.9		14.5		8.7	2.4	2.4	2.4	
552.9      483.6      190.8      2375.2      1899.6      1626.4      312.4      263.3      293.3      564.8      684.9      87.8												

MEAN ACRE- FEET	700.	959.	378.	4710.	3770.	3230.	620.	522.	582.	1120.	1360.	1760.
Remarks:										YEAR OR PERIOD	MEAN ACRE-FEET	27.2 1960.



REG 714M Cb 12-53

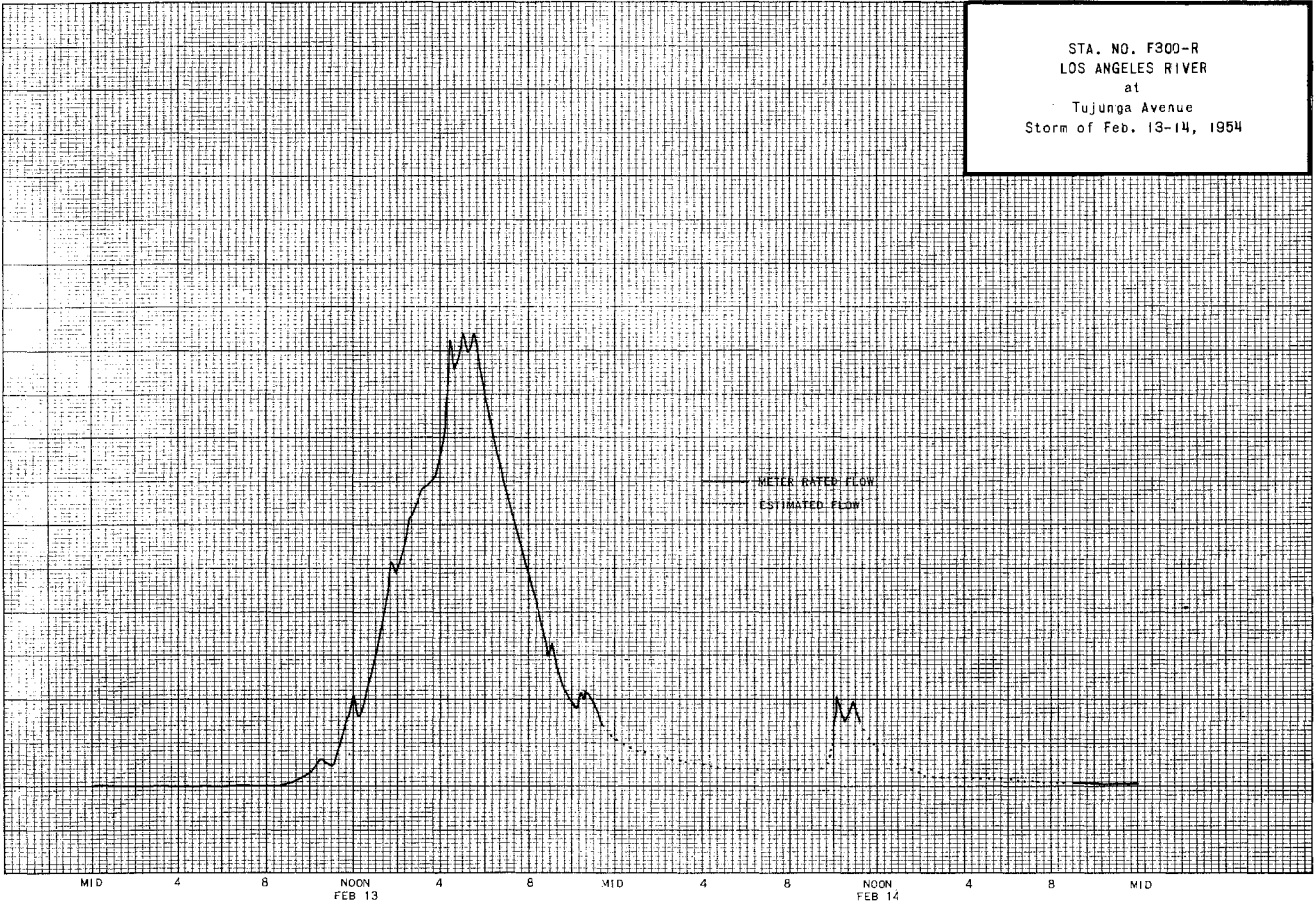
LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

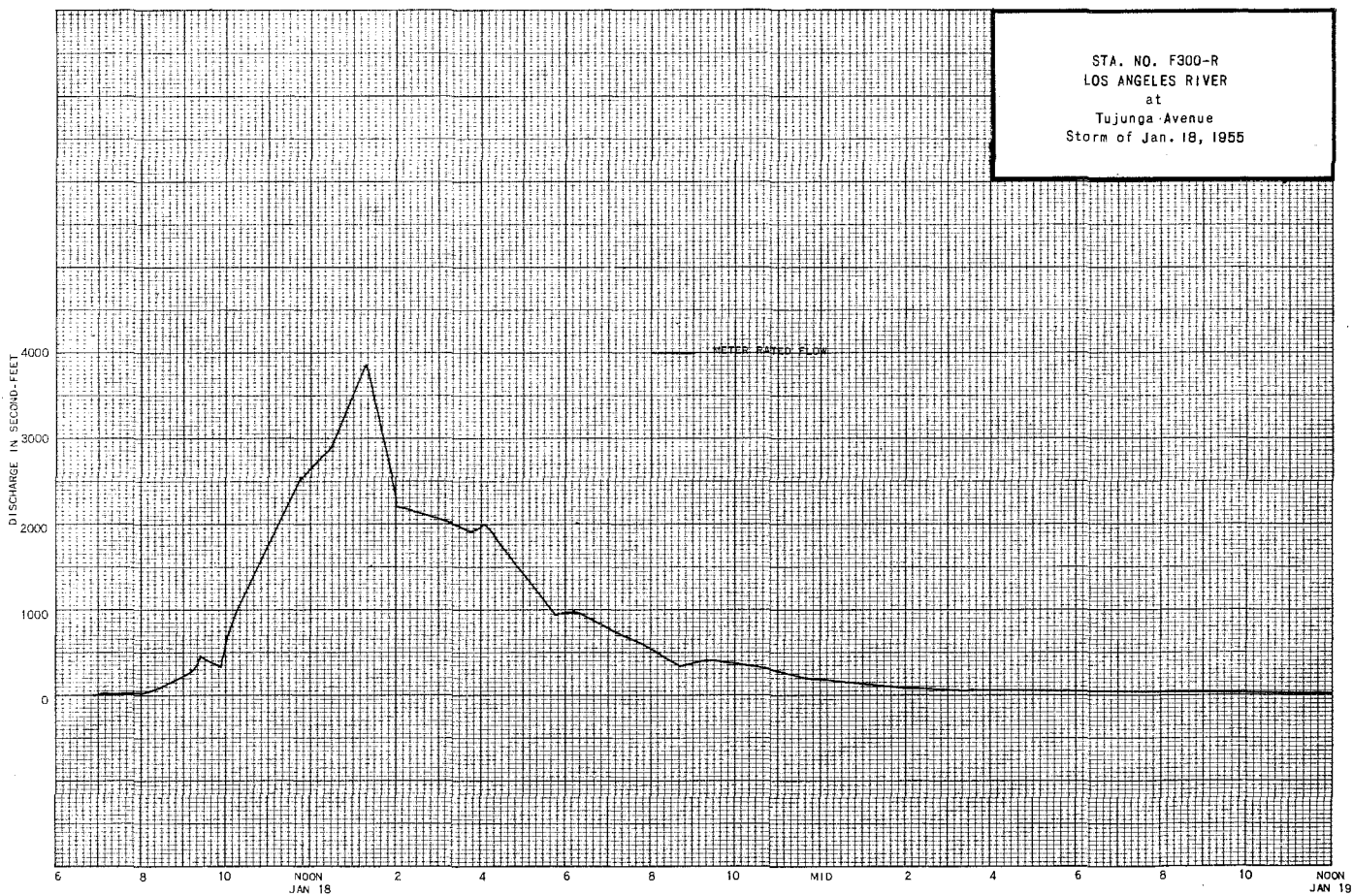
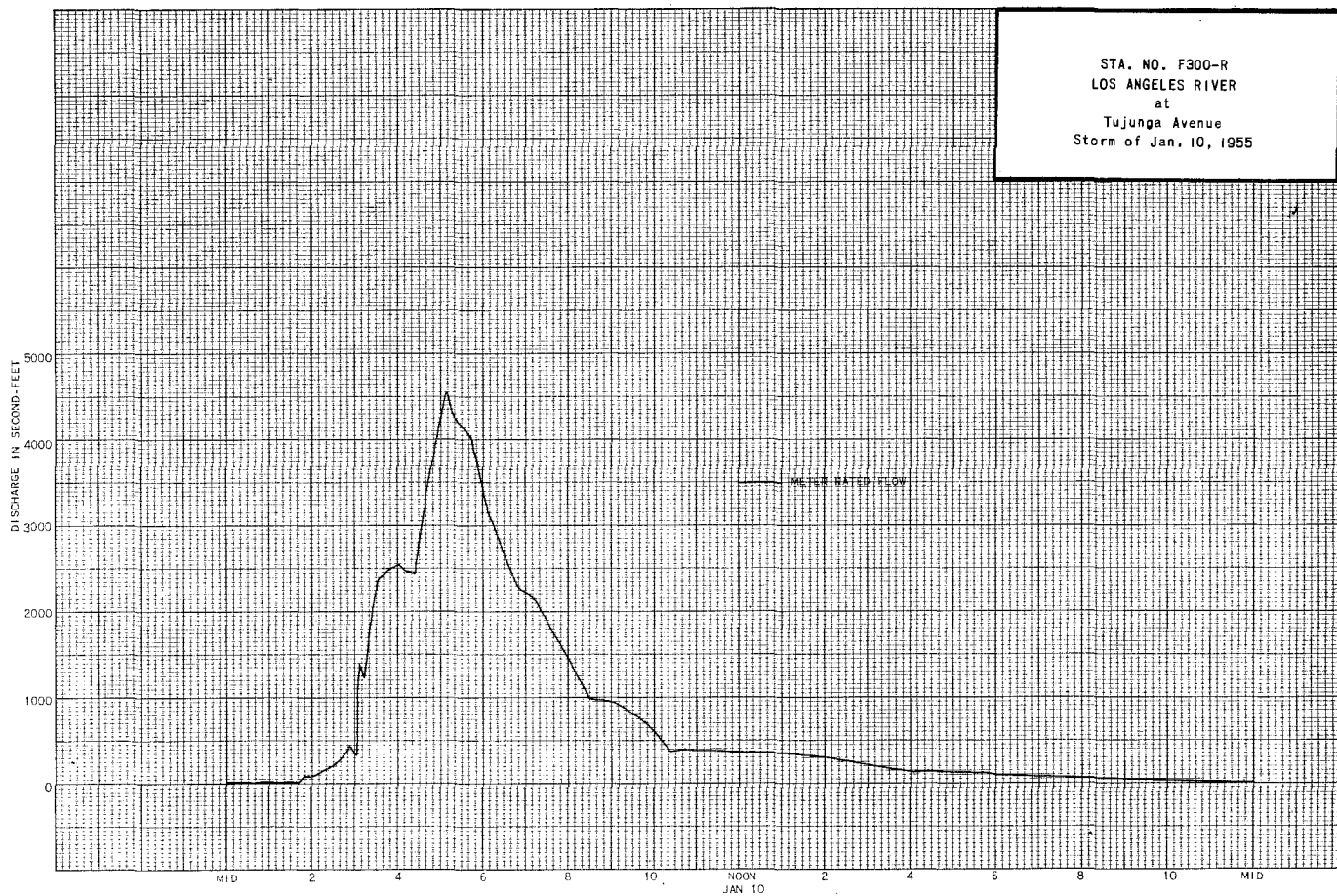
Sta. No. F300-R

LOS ANGELES RIVER at Tujunga Avenue

for the year ending September 30, 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.		
1	32	7.5	5.7	65	9.8	8.7	6.7	132	b 29	b 45	132	29		
2	31	7.7	5.7	15.5	a	8.1	6.5	14.5	29	45	112	29		
3	32	8.1	3.4	11.2	8.5	11.1	6.5	10.5	29	38	9.5	28		
4	33	8.6	3.3	11.0	8.5	8.5	6.5	9.3	29	32	11.0	28		
5	31	7.5	9.5	10.2	8.6	8.5	7.3	9.5	29	32	10.2	27		
6	31	7.3	a 7.9	a 27.4	8.6	7.9	6.9	11.2	26	32	8.9	26		
7	33	7.5	a 7.9	a 13.5	8.7	7.9	7.7	24.7	26	32	8.5	26		
8	33	7.9	a 8.1	8.9	8.7	8.1	8.5	10.8	26	33	7.7	25		
9	33	7.7	16.5	8.5	a 8.8	8.3	7.3	9.3	26	34	7.1	26		
10	33	11.7	13.1	7.6	8.7	2.5	6.9	9.1	27	3.5	6.7	26		
11	31	3.5	b 12.0	15.1	8.5	9.1	6.3	8.3	28	3.6	6.5	26		
12	32	6.2	11.0	9.5	9.1	11.2	6.1	7.7	29	3.7	2.3	27		
13	32	10.7	10.0	9.1	8.7	9.8	6.1	7.5	30	3.8	2.5	26		
14	26	7.7	10.0	9.1	8.9	9.3	6.9	7.1	30	3.8	2.9	29		
15	13.8	8.1	10.0	8.9	9.3	8.1	7.1	7.1	30	3.8	2.4	29		
16	10.0	13.5	10.0	24.2	6.6	3.1	5.9	7.3	30	3.8	2.5	30		
17	8.9	8.9	9.5	14.4	12.4	6.7	6.3	7.7	30	3.8	2.9	31		
18	8.5	b 6.9	9.0	84.2	9.9	6.5	6.5	b 8.1	30	3.7	2.9	31		
19	8.5	6.5	8.5	4.5	8.1	6.3	7.1	2.9	30	3.7	2.9	32		
20	8.9	6.3	8.0	10.2	7.7	6.3	2.7	2.9	31	3.7	2.9	33		
21	8.5	6.5	7.5	8.9	7.3	6.7	14.5	2.9	31	3.7	2.9	33		
22	7.7	6.5	7.0	8.3	7.7	6.9	26.3	2.9	31	3.7	2.9	34		
23	7.7	6.3	6.4	7.7	7.7	6.9	10.2	2.9	31	3.6	2.9	32		
24	7.7	6.5	6.4	7.7	7.7	6.9	9.7	2.9	31	3.5	3.0	33		
25	7.5	6.3	6.4	8.1	7.7	6.5	2.9	2.9	31	3.4	3.1	31		
26	7.1	6.3	6.4	8.5	9.9	6.1	8.1	2.9	31	3.3	3.0	31		
27	7.1	6.3	6.4	7.9	11.8	6.9	2.9	2.9	31	b 3.2	2.9	29		
28	7.5	6.3	6.4	11.1	11.7	6.7	3.0	2.9	31	3.1	2.8	28		
29	6.5	6.1	6.4	8.7	7.9	7.9	3.0	2.9	4.3	2.9	2.8	24		
30	6.9	b 5.9	6.4	a 5.5	7.5	7.5	5.2	2.9	a 4.5	2.9	2.8	26		
31	7.1	b 6.4	6.4	a 8.6	7.3	7.3	b 2.9	2.9	2.5	2.5	2.8	26		
582.9      626.1      627.9      2607.0      525.9      364.4      1334.8      901.0      910.0      1090.0      657.5      865.0														
MEAN	18.8	20.9	20.2	84.1	16.8	11.8	43.0	29.1	30.3	35.2	21.2	26.6		
ACRE- FEET	1160.	1240.	1250.	5170.	1040.	723.	2850.	1790.	1800.	2160.	1300.	1720.		
Remarks:												YEAR OR PERIOD	MEAN	30.4
												ACRE-FEET	22000.	





STATION F266-R  
LOS ANGELES RIVER at Mariposa Street

LOCATION: WATER-STAGE RECORDER, LAT. 34°09'17", LONG. 118°16'40", 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 2.25 FEET DEEP, OF WHICH THE BOTTOM 82 FEET IS FLAT. 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, 1953 TO SEPTEMBER 30, 1955.

REGULATION: SUBJECT TO SAME REGULATION AS STATION F300-R.

DIVERSIONS: THE LOS ANGELES WATER DEPARTMENT DIVERTS FLOW FOR SPREADING ABOVE THE STATION.

RECORDS AVAILABLE: FROM DECEMBER 20, 1938 TO SEPTEMBER 30, 1955.

EXTREMES OF DISCHARGE:

- 1953-54  
MAXIMUM 6440 SECOND-FEET FEBRUARY 13.  
MINIMUM FLOW LESS THAN 0.1 SECOND-FEET VARIOUS TIMES.
- 1954-55  
MAXIMUM 4750 SECOND-FEET JANUARY 10.  
MINIMUM TRACE IN MAY AND JUNE
- 1958-55  
MAXIMUM 12740 SECOND-FEET JANUARY 18, 1952.  
MINIMUM NO FLOW SEPTEMBER 9, 1952 TO OCTOBER 12, 1952.

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 Mariposa Street DURING THE YEAR ENDING SEPTEMBER 30, 19 54

NO.	DATE	BEGIN. END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAT. ING	METH. CD	MEAN REC. NO.	D. HT. CHANGE TOTAL	METER NO.
699	11-14	1447 1453	LE MAR-LUCE	130.	136.	10.7	1.27	1450.		FLOATS	5	-.02	
700	1-19	1235 1232	LUCE-LF.MAR	93.5	41.9	2.79	0.40	117.			14	-.02	FC41
701	1-25	1014 1024	" "	98.0	64.3	4.35	0.56	280.			13	+.01	"
702	2-14	1155 1220	" "	125.	128.	7.97	1.02	1020			11	-.08	"
703	2-14	1220 1245	" "	118.	108.	8.10	0.90	875.			9	+.04	"
704	2-14	1800 1820	" "	93.0	36.2	2.43	0.36	87.8			14	-.02	"
705	3-30	1017 1030	" "	95.5	36.2	2.73	0.39	98.7			12	0	"

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER  
AT Mariposa Street DURING THE YEAR ENDING SEPTEMBER 30, 19 55

NO.	DATE	BEGIN. END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAT. ING	METH. CD	MEAN REC. NO.	D. HT. CHANGE TOTAL	METER NO.
706	11-11	1315 1328	LUCE-FRIEDRICH	94.0	39.7	3.22	0.36	128.			11	-.01	FC41
707	11-12	1357 1405	" "	14.2	7.36	3.53	0.18	26.1			12	0	"
708	12-9	1125 1135	LUCE	17.5	5.34	1.60	0.15	8.8			11	0	"
709	12-10	1306 1315	LUCE-FRIEDRICH	86.0	14.6	1.25	0.18	18.3			11	0	"
710	12-23	1250 1300	LUCE	7.3	7.43	1.12	0.13	8.3			10	0	"
711	12-30	0900 0910	" "	12.0	4.43	1.62	0.13	-7.2			9	0	"
712	1-7	1256 1308	LUCE-FRIEDRICH	12.0	5.09	2.08	0.15	10.7			9	0	"
713	1-11	1057 1104	" "	12.0	5.88	2.11	0.18	12.4			10	0	"
714	1-13	0900 0910	LUCE	12.0	4.08	1.81	0.15	7.4			10	0	"
715	1-17	1152 1200	LUCE-FRIEDRICH	12.0	4.89	2.11	0.16	10.3			10	0	"
716	1-19	1635 1645	LUCE-FRIEDRICH	CHANNELS			0.20	18.7			11	-.01	"

NO.	DATE	BEGIN. END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAT. ING	METH. CD	MEAN REC. NO.	D. HT. CHANGE TOTAL	METER NO.
717	1-20	0812 0920	LUCE	12.0	4.66	1.97	0.16	9.2			5 11	0	"
718	2-10	1035 1045	" "	12.0	6.84	1.68	0.14	11.5			6 9	+.01	"
719	2-16	1805 1820	" "	95.	29.3	2.87	0.38	84.0			5 10	-.01	"
720	2-17	1010 1018	" "	12.0	11.1	3.53	0.27	42.6			6 9	0	"
721	2-24	1335 1343	" "	12.0	5.39	1.45	0.15	7.8			5 9	0	"
722	2-27	1540 1554	" "	95.0	35.6	3.15	0.38	112.			6 12	-.01	"
723	2-28	1458 1505	LUCE-FRIEDRICH	12.0	5.29	1.85	0.17	9.8			5 9	0	"
724	3-3	0857 0905	LUCE	12.0	6.21	1.82	0.17	11.3			5 6 9	0	"
725	3-10	1020 1028	" "	12.0	5.41	1.48	0.14	8.0			5 6 11	0	"
726	3-11	1055 1114	" "	100.	49.4	3.60	0.47	178.			5 6 11	0	"
727	3-11	1208 1208	" "	113.	79.1	6.11	0.68	483.			6 12	+.02	"
728	3-11	1242 1255	" "	114.	88.9	5.98	0.73	532.			6 13	0	"
729	3-17	1212 1220	LUCE	12.0	4.96	1.47	0.14	7.3			5 9	0	FC41
730	3-24	1053 1100	" "	12.0	6.13	1.45	0.13	8.9			5 6 9	0	"
731	3-31	1050 1100	" "	12.0	6.15	1.27	0.14	7.8			6 0	0	"
732	4-7	1132 1142	" "	12.0	7.76	1.21	0.14	9.4			5 10	0	FC47
733	4-14	1048 1068	" "	12.0	9.04	0.76	0.11	6.8			6 9	0	"
734	4-22	1236 1254	" "	90.0	31.2	2.06	0.30	64.2			5 10	0	FC41
735	5-7	1330 1346	" "	90.0	38.2	2.59	0.43	99.0			5 11	0	"
736	9-22	0816 0826	BLAKELY-SCOTT	6.3	4.32	0.76	0.16	3.3			5 9	0	FC53
737	9-29	0916 0926	BLAKELY	9.0	6.50	0.52	0.16	3.4			6 11	0	FC23

NOTES C& 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F208-R

Daily discharge, in second-feet of LOS ANGELES RIVER at Mariposa Street for the year ending September 30, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.2	0.3	9.0	11	13	11	15	13	0.1	0.1	0.1	0.2
2	0.2	0.3	9.0	11	13	11	15	11	0.1	0.1	0.1	0.2
3	0.2	0.3	9.0	11	13	11	15	11	0.1	0.1	0.1	0.2
4	0.3	0.3	18	11	17	11	15	13	0.1	0.1	0.1	0.2
5	0.3	0.3	9.0	11	17	17	16	6.3	0.1	1.5	0.1	0.2
6	0.3	0.3	8.0	11	17	13	13	0.1	0.1	0.1	0.1	0.2
7	0.3	0.3	9.0	11	15	13	13	0.1	+	0.1	0.1	0.2
8	0.3	0.3	9.0	13	15	11	13	0.1	2.1	0.1	0.1	0.2
9	0.3	0.3	9.0	11	13	11	11	0.1	+	0.1	0.2	0.2
10	0.3	0.3	9.0	9.0	15	11	11	0.2				
11	0.3	0.3	9.0	11	13	11	13	0.2		0.1	0.2	0.2
12	0.3	0.3	9.0	188	13	11	15	2.0		0.1	0.2	0.2
13	0.3	0.3	8.0	17	178.0	9.0	13	0.2	+	0.1	0.2	0.2
14	0.3	239	8.0	9.0	460	9.0	13	0.2	0.1	0.1	0.2	0.2
15	0.3	53	8.0	9.0	17	9.0	13	0.2	0.1	0.1	0.2	0.2
16	0.3	13	8.0	9.0	13	433	13	0.1	0.1	0.1	0.2	0.2
17	0.3	13	8.0	13	13	89	13	0.1	0.1	0.1	0.2	0.2
18	0.3	11	8.0	8.6	15	15	15	0.1	0.1	0.1	0.2	0.2
19	0.3	11	8.0	1540	13	13	17	1.7	0.1	0.1	0.2	0.2
20	0.3	11	9.0	205	11	520	23	+	0.1	0.1	0.2	0.2
21	0.3	11	9.0	19	9.0	34	15		0.1	0.1	0.2	0.2
22	0.3	9.0	9.0	19	9.0	93	15		1.2	0.1	0.2	0.2
23	0.3	9.0	9.0	17	11	19	17		0.1	0.1	0.2	0.2
24	0.3	9.0	9.0	194	9.0	69	17	+	0.1	0.1	0.2	0.2
25	0.3	9.0	9.0	316	13.0	59	15	1.4	0.1	0.1	0.2	0.2
26	0.3	9.0	8.0	17	13.0	15	17		0.1	0.1	0.2	0.2
27	0.3	9.0	11	13	13.0	15	19	+	0.1	0.1	0.2	0.2
28	0.3	9.0	9.0	11	11.0	13	17	0.1	1.9	0.1	0.2	0.2
29	0.3	11.0	9.0	13		92	17	0.1	0.1	0.1	0.2	0.2
30	0.3	9.0	9.0	13		385	15	0.1	0.1	0.1	0.2	0.2
31	0.3	9.0	9.0	13		19		0.1	0.1	0.1	0.2	0.2
	9.0	448.9	281.0	2842.0	2534.0	2034.0	449	61.5	9.3	4.5	5.4	6.0

MEAN	0.29	15.0	9.06	91.7	92.3	68.5	15.0	2.00	0.31	0.14	0.17	0.20
ACRE- FEET	18.	890.	557.	5640.	5120.	4070.	891.	122.	18.	8.9	11.	12.

Remarks: + = 0.05 cfs or less

YEAR OR PERIOD MEAN ACRE-FEET 24.0 17360.

NOTES C& 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F206-R

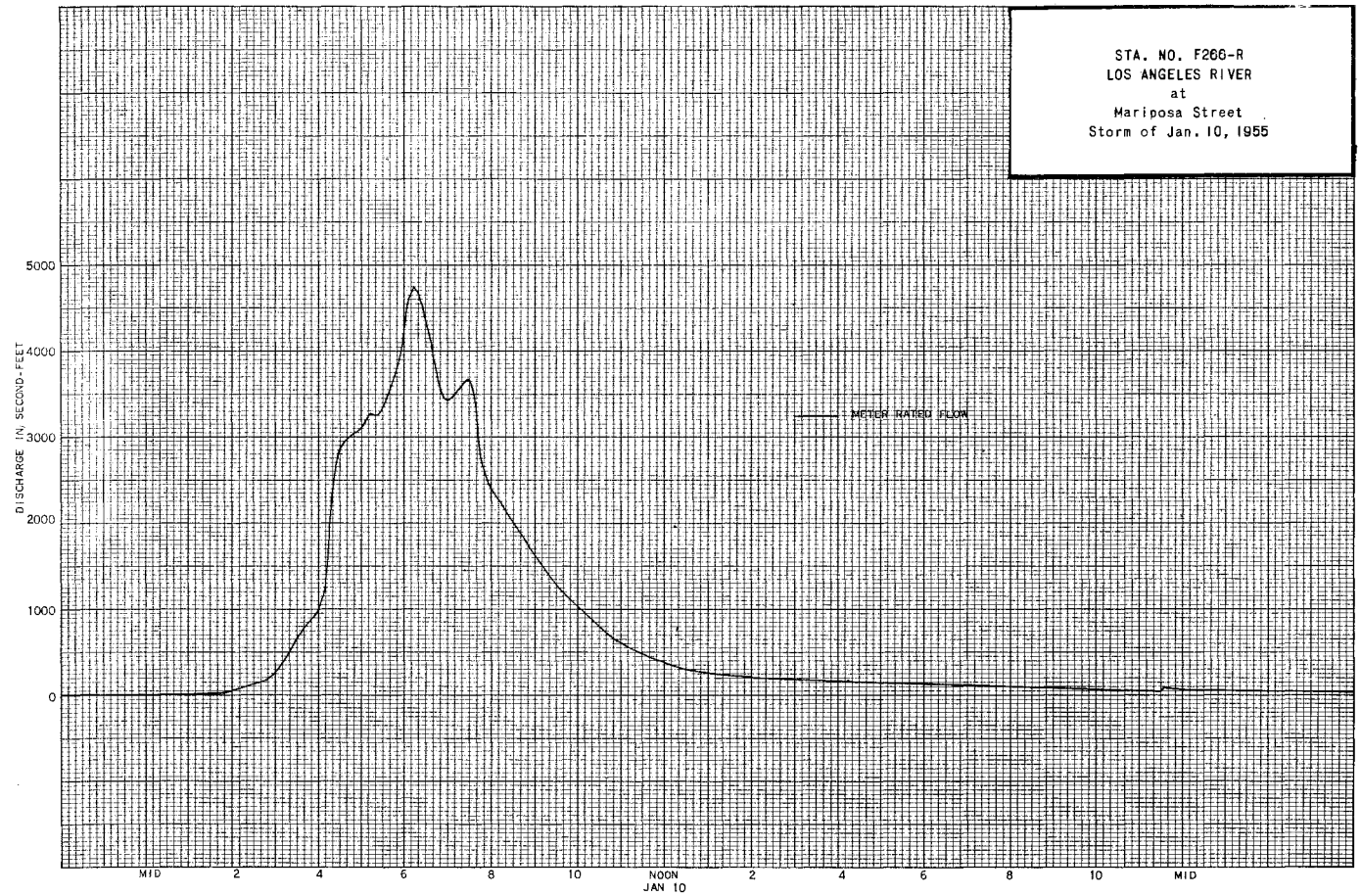
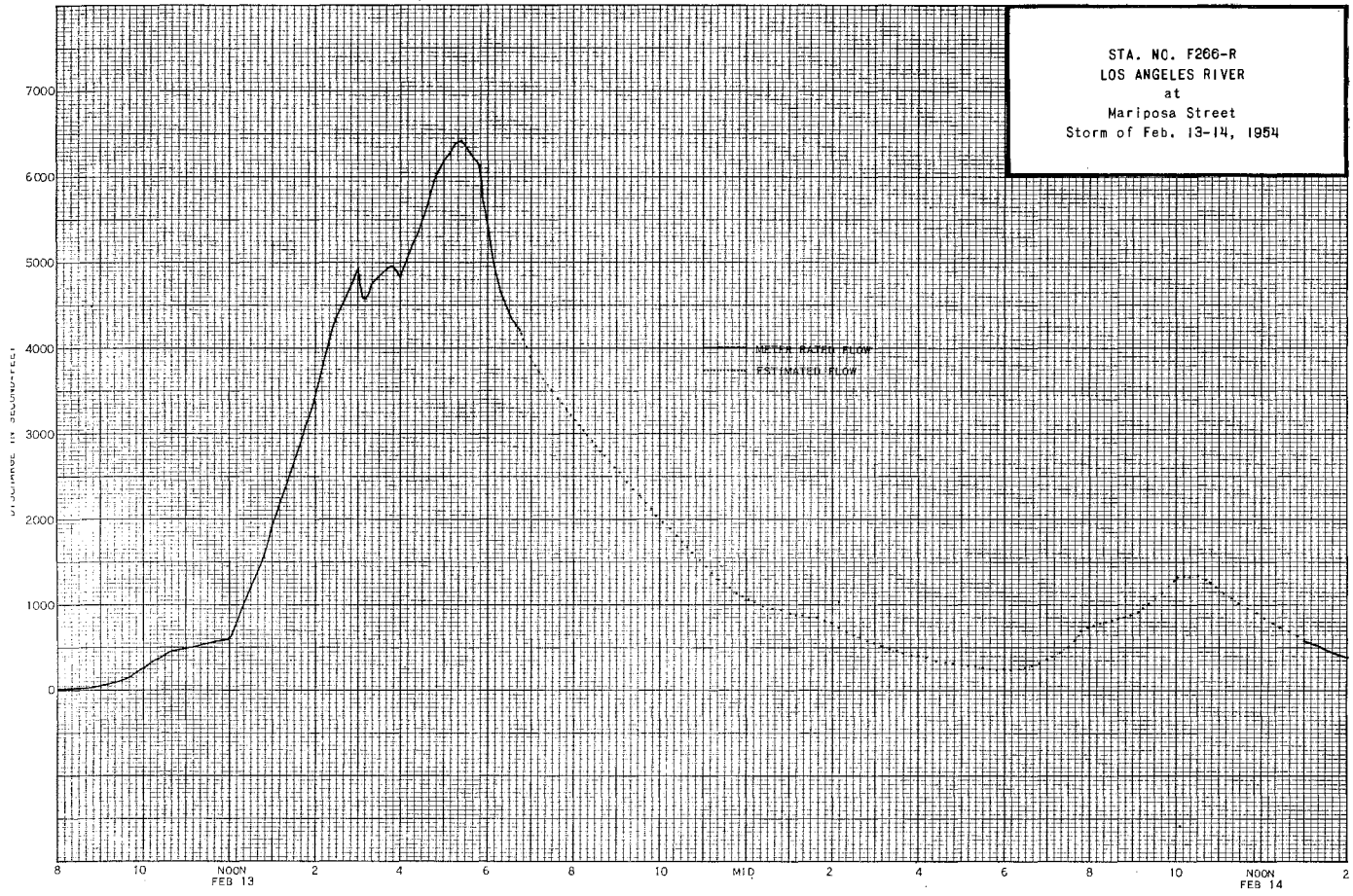
Daily discharge, in second-feet of LOS ANGELES RIVER at Mariposa Street for the year ending September 30, 1955

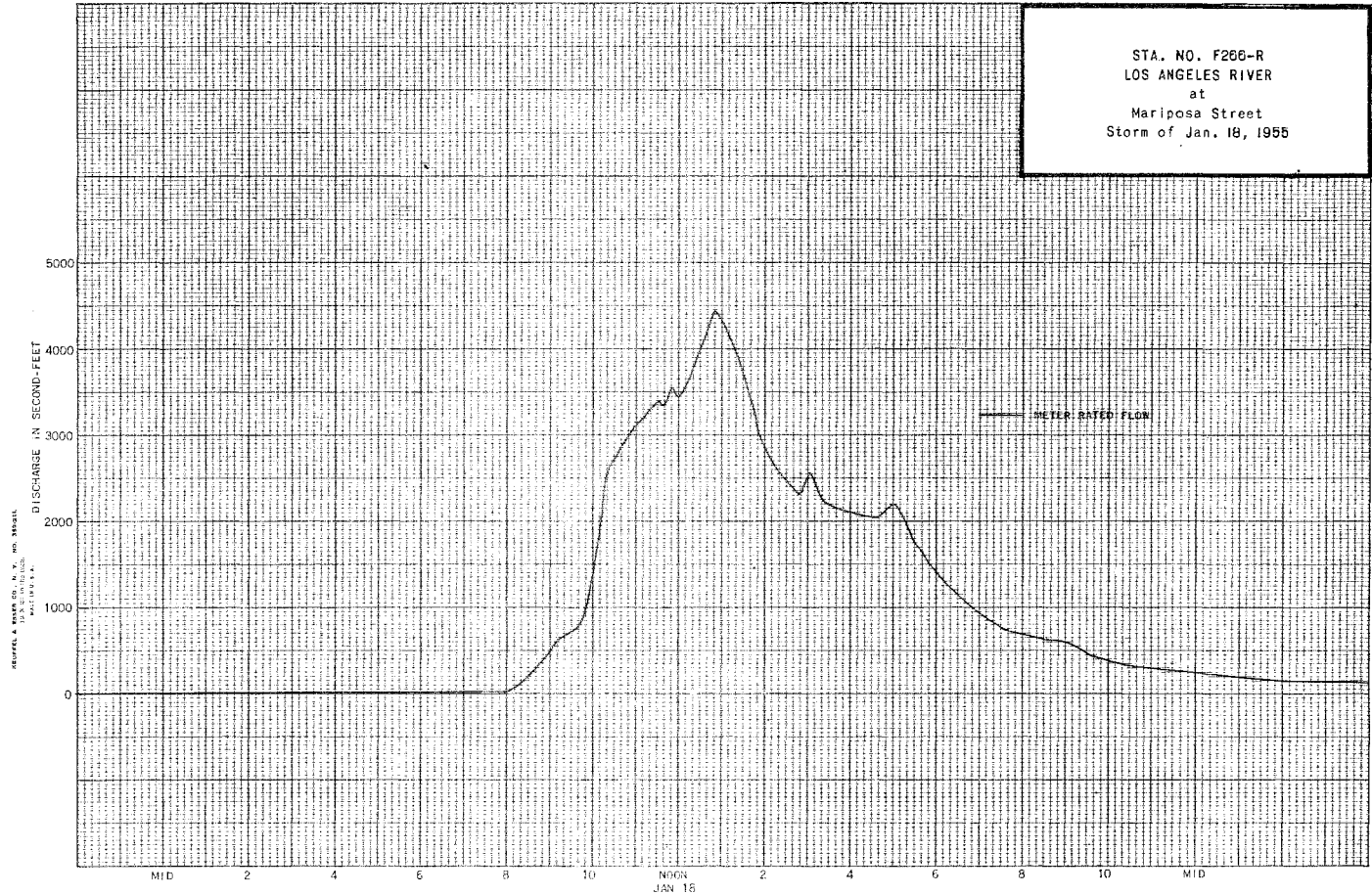
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	b 0.2	b 0.3	9.0	85	15.0	13.0	9.0	155	+	b 0.2	b 0.2	b 3.3
2	b 0.2	b 0.3	9.0	23	9.0	13.0	7.0	10.1		b 0.2	b 0.2	b 3.3
3	b 0.2	b 0.3	72	15.0	9.0	13.0	7.0	b 0.1		b 0.2	b 0.2	b 3.3
4	b 0.2	b 0.3	27	15.0	9.0	11.0	9.0	b 0.1		b 0.2	b 0.2	b 3.3
5	b 0.2	b 0.3	11.0	11.0	7.0	11.0	9.0	b 0.1		b 0.2	b 0.2	b 3.3
6	b 0.2	b 0.3	11.0	257	9.0	11.0	9.0	b 0.1		b 0.2	b 0.2	b 3.3
7	b 0.2	b 0.3	11.0	20	9.0	9.0	9.0	37.4		b 0.2	b 0.2	b 3.3
8	b 0.2	b 0.3	11.0	11.0	11.0	9.0	9.0	7.5		b 0.2	b 0.1	b 3.3
9	b 0.2	b 0.3	179	11.0	11.0	9.0	7.0	+		b 0.2	b 0.1	b 3.3
10	b 0.2	12.7	112	872	11.0	29	7.0			b 0.2	b 0.1	b 3.3
11	b 0.3	395	15.0	24	11.0	119	7.0			b 0.2	b 0.1	b 3.3
12	b 0.3	69	11.0	13.0	11.0	15.0	7.0		+	b 0.2	b 0.1	b 3.3
13	b 0.3	13.0	11.0	11.0	11.0	13.0	7.0		b 0.1	b 0.2	b 0.1	b 3.3
14	b 0.3	11.0	11.0	11.0	13.0	13.0	7.0		b 0.1	b 0.2	b 0.1	b 3.3
15	b 0.3	17.0	13.0	11.0	13.0	13.0	5.6		b 0.1	b 0.2	b 0.1	b 3.3
16	b 0.3	21	13.0	237	69	49	b 0.2		b 0.1	b 0.2	b 0.1	b 3.3
17	b 0.3	11.0	13.0	159	122	9.0	b 0.2		b 0.1	b 0.2	b 0.1	b 3.3
18	b 0.3	11.0	11.0	1150	15.0	7.0	b 0.2		b 0.1	b 0.2	b 0.1	b 3.3
19	b 0.3	11.0	11.0	63	9.0	7.0	b 0.2		b 0.1	b 0.2	b 0.1	b 3.3
20	b 0.3	9.0	11.0	11.0	9.0	7.0	b 0.2		b 0.1	b 0.2	b 0.1	b 3.3
21	b 0.3	9.0	9.0	9.0	9.0	9.0	106		b 0.1	b 0.2	b 0.1	b 3.3
22	b 0.3	7.0	9.0	7.0	9.0	9.0	386		b 0.1	b 0.2	b 0.1	b 3.3
23	b 0.3	9.0	9.0	9.0	11.0	9.0	10.3		b 0.1	b 0.2	b 1.7	b 3.3
24	b 0.3	9.0	9.0	11.0	9.0	9.0	b 0.1		b 0.1	b 0.2	b 3.3	b 3.5
25	b 0.3	9.0	11.0	11.0	2.0	a 2.0	b 0.1		b 0.1	b 0.2	b 3.3	b 3.5
26	b 0.3	9.0	11.0	11.0	13.0	9.0	4.4		b 0.1	b 0.2	b 3.3	b 3.5
27	b 0.3	11.0	9.0	11.0	127	9.0	6.5		b 0.2	b 0.2	b 3.3	b 3.4
28	b 0.3	11.0	9.0	15.0	15.0	9.0	b 0.1		b 0.2	b 0.2	b 3.3	b 3.4
29	b 0.3	9.0	9.0	13.0		9.0	b 0.1		b 0.2	b 0.2	b 3.3	b 3.4
30	b 0.3	9.0	9.0	93		a 9.0	726		b 0.2	b 0.2	b 3.3	b 3.4
31	b 0.3	11.0	12.0			9.0		+	b 0.2	b 0.2	b 3.3	b 3.4
	8.3	675.4	677.0	3227.9	585.0	479.0	1395.8	547.0	2.2	6.2	31.0	99.5

MEAN	0.27	22.5	21.8	104.	20.9	15.5	46.5	17.6	0.07	0.20	1.00	3.32
ACRE- FEET	16.	1340.	1340.	6400.	1160.	850.	2770.	1080.	4.4	12.	61.	197.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN ACRE-FEET 21.2 15330.





STATION F57C-R  
LOS ANGELES RIVER above Arroyo Seco

LOCATION: WATER-STAGE RECORDER, LAT.  $34^{\circ}04'58''$ , LONG.  $118^{\circ}13'35''$ , 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 28 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 WAHING. 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 PRIZZ CONTINUOUS RECORDER, FURNISHED BY CORPS OF ENGINEERS, DEPARTMENT OF THE ARMY, WAS IN SERVICE FROM OCTOBER 1, 1953 TO SEPTEMBER 30, 1955.

REGULATION: SUBJECT TO SAME REGULATION AS STATION F266-R. SEVERAL DEBRIS BASINS REGULATE FLOW ON ADDITIONAL TRIBUTARIES. THE LOS ANGELES WATER DEPARTMENT SPILLS SURPLUS FLOW INTO THE CHANNEL FROM WATER DEVELOPED IN THE GRIFFITH PARK AREA; ALSO SPILLS 18 EXCESS TREATED SEWAGE EFFLUENT FROM LOS ANGELES SANITATION DEPARTMENT LINE ABOVE RIVERSIDE DRIVE.

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

RECORDS AVAILABLE: AT STATION F57-R - DECEMBER 1929 TO MAY 26, 1938.  
AT STATION F57B-R - MAY 26, 1938 TO APRIL 5, 1939. APRIL 5, 1939 TO DECEMBER 8, 1939 BI-WEEKLY MEASUREMENTS.  
AT STATION F57C-R - DECEMBER 8, 1939 TO SEPTEMBER 30, 1955.

EXTREMES OF DISCHARGE:

1933-34

MAXIMUM 9580 SECOND-FEET FEBRUARY 13.  
MINIMUM 0.4 SECOND-FOOT AUGUST 26.

1954-55

MAXIMUM 6850 SECOND-FEET JANUARY 18.  
MINIMUM 0.2 SECOND-FOOT IN SEPTEMBER.

1929-35 (STATIONS F57-R, F57B-R, F57C-R).

MAXIMUM 6000 SECOND-FEET ESTIMATED MARCH 2, 1938.  
MINIMUM NO FLOW AT TIMES EACH YEAR FROM 1929-30 TO 1933-34.

ACCURACY: FAIR.

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

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER

above Arroyo Seco

DURING THE YEAR ENDING SEPTEMBER 30, 1954

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE CFS.	RAT. INGS	METH. DO	MEAN REC. NO.	S. NT. CHANGE TOTAL	METER NO.
1241	10-1	1330 1342	LUCE	3.8	0.60	0.93	0.18	0.56	.5	6	0	FC41	
1242	10-8	1355 1400	"	4.1	0.64	0.95	0.13	0.61	.6	6	0	"	
1243	10-14	1429 1425	"	3.6	0.53	0.94	0.36	0.50	.5	8	0	"	
1244	10-21	1205 1211	"	3.3	0.49	0.90	0.23	0.44	.5	6	0	"	
1245	10-29	1450 1454	"	3.0	0.49	0.74	0.18	0.36	.5	6	0	"	
1246	11-5	1540 1546	"	3.5	0.58	0.90	0.21	0.52	.5	5	0	"	
1247	11-12	1342 1346	"	3.3	0.47	0.92	0.18	0.43	.5	6	0	"	
1248	11-14	1525 1540	LE MAR-LUCE	177.	294.	8.85	2.56	2600.	FLOATS	3	0	-	
1249	11-14	1555 1600	"	177.	263.	7.86	2.42	2070.	"	3	0	-	
1250	11-14	1612 1617	"	177.	252.	7.75	2.34	1950.	"	3	+08	-	
1251	11-15	1158 1212	"	18.8	15.7	1.82	0.48	28.7	.6	13	0	FC41	
1252	11-19	1602 1608	LUCE	3.6	0.65	1.08	0.11	0.70	.5	8	0	"	
1253	11-25	1545 1551	"	3.3	0.61	1.13	0.10	0.70	.5	7	0	"	
1254	12-3	1410 1415	"	4.1	0.67	1.09	0.10	0.73	.5	9	0	"	
1255	12-10	1410 1415	"	5.2	0.74	1.08	0.13	0.77	.5	7	0	"	
1256	12-17	1532 1540	"	5.2	1.59	1.95	0.24	3.1	.5	11	0	"	
1257	12-23	1345 1355	"	5.2	1.30	1.31	0.18	1.7	.5	9	0	"	
1258	12-31	1010 1016	"	5.3	1.82	1.48	0.21	2.7	.5	9	0	"	
1259	1-7	1448 1455	"	5.7	1.89	1.80	0.20	3.4	.5	8	0	"	
1260	1-12	1855 1930	LUCE-LE MAR	106.	79.3	4.46	1.49	354.	.6	13	+03	"	
1261	1-13	1120 1128	"	16.9	4.79	1.57	0.26	7.5	.5	12	0	"	
1262	1-14	1300 1308	LUCE	CHANNELS			0.11	1.4	.5	12	0	"	
1263	1-16	1125 1140	LUCE-LE MAR	20.0	18.5	3.99	0.90	73.8	.6	13	-01	"	
1264	1-19	0845 0735	"	177.	216.	8.29	2.31	1790.	.6	17	+22	"	
1265	1-19	1940 2040	LUCE-LE MAR	177.	410.	9.73	2.98	3990.	.6	11	+42	FC41	
1266	1-20	1205 1220	LUCE	20.0	19.8	5.00	1.04	99.1	.6	11	0	"	
1267	1-21	1540 1550	"	16.8	4.74	1.46	0.28	6.9	.5	12	0	"	
1268	1-25	1500 1220	LUCE-LE MAR	180.	96.7	3.63	1.33	351.	.6	15	-02	"	
1269	1-26	1255 1255	LUCE	16.9	4.68	1.73	0.27	8.1	.5	11	0	"	
1270	1-28	1425 1438	"	6.8	1.63	1.47	0.18	2.4	.5	9	0	"	
1271	2-4	1402 1410	"	6.8	2.55	2.08	0.22	5.3	.5	8	0	"	
1272	2-11	1435 1443	"	9.8	3.01	1.60	0.27	4.8	.5	12	0	"	
1273	2-13	1545 1730	LUCE-LE MAR	177.	649.	14.2	4.57	9220.	.6	15	+14	"	
1274	2-13	2115 2228	"	177.	269.	9.48	2.72	2550.	.6	15	+25	"	
1275	2-13	2230 2258	"	177.	232.	8.41	2.54	1950.	.6	15	+10	"	
1276	2-18	1434 1444	LUCE	17.0	4.47	1.34	0.27	6.0	.5	11	0	"	
1277	2-25	1000 1008	"	16.3	2.31	0.78	0.12	1.8	.5	11	0	"	
1278	3-4	1443 1450	"	16.4	2.36	0.89	0.11	2.1	.5	11	0	"	
1279	3-11	1645 1650	GODFREY	16.6	2.61	0.77	0.14	2.0	SURF	8	0	FC28	
1280	3-16	2212 2245	LUCE-LE MAR	177.	180.	7.62	2.09	1370.	.6	15	+15	FC41	
1281	3-17	1200 1214	LUCE	19.1	16.7	4.32	1.19	72.3	.6	11	+02	"	
1282	3-18	1445 1455	"	12.3	2.89	1.25	0.22	3.6	.5	9	0	"	
1283	3-20	1020 1047	BLAKELY-LE MAR	177.	231.	5.50	1.98	1270.	.6	16	+11	FC24	
1284	3-21	1348 1351	"	17.5	6.82	1.93	0.35	13.2	.5	11	0	"	
1285	3-22	0955 1012	LUCE	20.0	20.0	5.15	1.06	103.	.6	13	+01	FC41	
1286	3-25	1345 1355	"	18.0	10.7	2.77	0.59	29.6	.5	11	0	"	
1287	3-30	0338 0406	LUCE-LE MAR	177.	201.	7.96	2.12	1600.	.6	14	-12	"	
1288	3-30	1130 1150	"	177.	66.0	2.62	1.18	173.	.5	17	-02	"	
1289	4-1	1438 1450	LUCE	16.8	4.24	1.18	0.22	5.0	.5	11	+01	FC41	
1290	4-8	1440 1450	"	6.9	1.75	1.37	0.16	2.4	.5	9	0	"	
1291	4-15	1500 1510	"	8.8	2.27	1.45	0.18	3.3	.5	10	0	"	
1292	4-22	1410 1420	"	8.9	2.45	1.71	0.20	4.2	.5	10	+01	"	
1293	4-29	1345 1355	"	17.1	5.15	1.30	0.31	6.7	.5	11	+01	"	
1294	5-6	1459 1455	"	5.2	1.37	1.53	0.20	2.1	.5	7	0	"	
1295	5-13	1450 1455	"	5.2	1.15	1.30	0.16	1.5	.5	8	0	"	
1296	5-20	1555 1600	"	5.3	1.39	1.37	0.18	1.9	.6	8	0	"	
1297	5-27	1450 1505	"	5.0	1.11	1.06	0.16	1.2	.5	8	0	"	
1298	6-3	1540 1550	"	5.1	1.32	1.06	0.15	1.4	.5	8	+01	"	
1299	6-10	1504 1500	"	4.4	0.94	1.07	0.14	1.0	.5	7	0	"	
1300	6-17	1330 1336	"	4.5	1.01	1.09	0.13	1.1	.5	7	0	"	

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE CFS.	RAT. INGS	METH. DO	MEAN REC. NO.	S. NT. CHANGE TOTAL	METER NO.
1301	6-24	0910 0918	DE MARS	4.7	1.01	0.86	0.15	0.87	.5	7	0	FC34	
1302	7-1	1345 1351	LUCE	4.8	1.07	0.86	0.18	0.92	.6	8	0	FC41	
1303	7-8	1415 1420	"	4.7	1.00	0.80	0.20	0.80	.5	7	0	"	
1304	7-15	1443 1449	"	4.4	0.70	0.93	0.20	0.65	.5	7	0	"	
1305	7-22	1415 1420	"	4.7	0.85	0.82	0.21	0.73	.5	8	0	"	
1306	7-29	1305 1305	"	4.2	0.74	1.00	0.21	0.74	.5	7	+01	"	
1307	8-5	1050 1055	"	2.4	0.43	1.21	0.11	0.52	.5	6	0	"	
1308	8-12	1020 1024	"	2.2	0.40	1.08	0.14	0.43	.5	6	0	"	
1309	8-19	0950 0956	"	2.5	0.47	0.98	0.13	0.46	.5	6	0	"	
1310	8-26	1140 1145	"	2.4	0.45	1.11	0.09	0.46	.5	6	0	"	
1311	9-2	1245 1245	"	2.5	0.49	0.90	0.11	0.44	.5	6	0	"	
1312	9-8	1343 1351	BLAKELY	5.2	0.71	0.77	0.11	0.55	.5	7	0	FC53	
1313	9-16	0845 0850	LUCE	2.3	0.45	0.89	0.12	0.40	.5	6	0	FC41	
1314	9-23	0930 0934	"	2.5	0.49	1.02	0.11	0.48	.5	6	0	"	
1315	9-30	1056 1100	"	2.5	0.49	1.02	0.14	0.48	.5	6	0	"	

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER

above Arroyo Seco

DURING THE YEAR ENDING SEPTEMBER 30, 1955

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE CFS.	RAT. INGS	METH. DO	MEAN REC. NO.	S. NT. CHANGE TOTAL	METER NO.
1316	10-7	1435 1441	LUCE	2.5	0.47	0.94	0.14	0.44	.5	6	0	FC41	
1317	10-14	1415 1421	"	2.5	0.49	1.02	0.14	0.50	.5	6	0	"	
1318	10-21	1405 1410	"	2.5	0.47	0.77	0.15	0.36	.5	6	0	"	
1319	10-28	1345 1349	LUCE-HYDE	2.5	0.43	0.88	0.14	0.38	.5	6	0	"	
1320	11-4	1315 1320	LUCE	2.5	0.50	1.20	0.15	0.57	.5	6	0	"	
1321	11-11	1605 1625	LUCE-FRIEDRICH	177.	48.4	3.32	1.14	156.	.6	15	-02	"	
1322	11-12	0935 0943	LUCE	18.6	13.7	4.03	0.73	55.3	.6	11	-02	"	
1323	12-4	1035 1045	LUCE-FRIEDRICH	17.3	6.99	2.20	0.38	15.4	.6	12	-01	"	
1324	12-10	1005 1015	"	19.7	16.7	4.98	0.93	83.2	.6	12	-02	"	
1325	12-30	1515 1520	LUCE	4.50	0.47	1.00	0.08	0.47	.5	6	0	"	
1326	1-6	0930 0938	LUCE-FRIEDRICH	19.8	19.1	5.19	0.98	99.	.6	11	+03	"	
1327	1-6	0940 0950	"	20.0	20.0	5.50	1.02	110.	.6	11	+05	"	
1328	1-6	1448 1448	"	177.	161.	7.33	1.80	1180.	.6	15	0	"	
1329	1-6	1448 1520	"	177.	165.	7.53	1.79	1240.	.6	14	-02	"	
1330	1-7	1522 1528	"	16.7	3.50	1.26	0.21	4.4	.5	12	0	"	
1331	1-13	1405 1413	LUCE	9.0	3.57	0.39	0.13	1.4	.6	9	0	"	
1332	1-16	0942 1012	LUCE-FRIEDRICH	177.	192.	7.86	2.06	1510.	.6	12	-08	"	
1333	1-16	1012 1030	"	177.	176.	7.50	1.97	1320.	.6	13	-08	"	
1334	1-18	1615 1643	LUCE	177.	266.	9.47	2.57	2520.	.6	15	-06	FC41	
1335	1-18	1643 1715	LUCE-FRIEDRICH	177.	255.	8.82	2.52	2250.	.6	13	-04	"	
1336	1-19	1050 1102	"	18.5	13.2	3.64	0.72	48.1	.6	12	0	"	
1337	1-20	1135 1140	LUCE	16.4	1.99	0.85	0.19	1.7	.5	12	0	"	
1338	2-3	1425 1430	"	16.5	2.46	0.41	0.17	1.0	.5	11	0	"	
1339	2-10	1630 1630	LUCE	17.1	3.55	0.65	0.17	2.3	.5	11	0	FC41	
1340	2-16	1910 1935	"	177.	86.1	3.41	1.30	294.	.6	15	-05	"	
1341	2-17	1220 1230	"	19.1	15.2	4.47	0.78	68.0	.6	11	-01	"	
1342	2-24	1510 1518	"	10.6	2.32	1.16	0.17	2.7	.5	10	0	"	
1343	2-27												

NO.	DATE	RESIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE CUB. FT.	RAT. (W)	METH. (D)	MEAN. RES. NO.	W. CH. TOTAL	METER NO.
1355	4-21	1500 1510	"	16.8	3.38	1.01	0.25	3.4	.5	11	0	FC41	
1356	4-22	0315 0310	"	177.	252.	8.37	2.40	2110.	.6	14	-.05	"	
1357	4-22	0430 0500	"	177.	198.	7.43	2.03	1470.	.6	13	-.10	"	
1358	4-22	1330 1342	"	20.0	19.8	5.30	1.07	105.	.6	11	-.01	"	
1359	4-28	1315 1323	"	16.5	1.78	1.35	0.17	2.4	.5	12	0	"	
1360	4-30	1830 1905	"	177.	313.	9.87	2.93	3070.	.6	16	-.25	"	
1361	5-2	1325 1335	"	17.1	4.29	1.51	0.27	6.5	.5	12	-.03	"	
1362	5-5	1415 1425	ODEKIRK-LUCE	17.2	4.79	0.54	0.19	2.6	.5	14	0	8932	
1363	5-12	1240 1255	LUCE	16.4	1.96	0.97	0.17	1.9	.5	11	-.01	FC41	
1364	5-19	1010 1027	DEMARS	16.4	2.85	1.09	0.19	3.1	.5	12	-.01	FC59	
1365	5-26	0915 0930	"	16.8	3.43	1.37	0.24	4.7	.5	12	0	"	
1366	6-2	1405 1415	HYDE	16.5	2.77	0.76	0.19	2.1	.5	10	0	FC53	
1367	6-9	0940 1006	GODFREY	16.6	3.30	1.39	0.25	4.6	.5	13	-.01	FC59	
1368	6-16	1500 1510	LUCE	16.5	2.28	1.10	0.18	2.5	.5	11	-.01	FC42	
1369	6-23	1445 1452	"	10.0	2.37	1.01	0.18	2.4	.5	11	-.01	"	
1370	6-30	1345 1355	"	10.5	2.84	0.95	0.20	2.7	.5	12	0	FC41	
1371	7-7	1325 1335	"	9.5	2.54	0.94	0.19	2.4	.5	11	0	"	
1372	7-14	1345 1400	"	16.6	3.04	0.76	0.21	2.3	.5	19	0	FC59	
1373	7-21	1355 1355	"	16.5	2.66	0.68	0.20	1.8	.5	12	0	"	
1374	7-28	1400 1408	"	16.6	2.63	0.80	0.21	2.1	.5	11	0	"	
1375	8-4	1520 1530	"	16.6	3.48	0.98	0.22	3.4	.5	12	0	"	
1376	8-11	1540 1555	"	16.7	3.31	0.94	0.24	3.1	.5	19	0	"	
1377	8-18	1335 1347	"	16.8	5.06	1.66	0.33	8.4	.6	12	-.02	"	
1378	8-25	1450 1505	"	16.6	3.30	0.88	0.22	2.9	.5	14	-.01	"	
1379	9-1	1340 1355	"	16.8	3.01	0.90	0.22	2.7	.5	12	0	"	
1380	9-8	1345 1355	"	16.6	3.21	1.12	0.24	3.6	.5	12	-.01	"	
1381	9-15	1330 1345	"	16.7	4.04	1.16	0.28	4.7	.5	12	0	"	
1382	9-22	1500 1513	BLAKELY-SCOTT	16.9	3.43	1.31	0.28	4.5	.5	11	0	FC53	
1383	9-29	1438 1452	BLAKELY	16.8	3.04	1.22	0.22	3.7	.5	11	0	"	
1384	9-30	0102 0116	"	17.8	6.73	2.15	0.42	14.5	.5	11	0	FC24	

7097M Gb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F57C-R

Daily discharge, in second-feet of LOS ANGELES RIVER above Arroyo Seco for the year ending September 30, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.6	1.6	0.8	2.2	3.5	2.0	7.4	4.5	1.2	1.0	0.8	0.2
2	1.2	1.4	0.8	2.0	4.0	2.5	6.3	3.5	1.0	1.0	0.6	0.4
3	0.6	1.4	0.8	2.2	4.0	3.0	3.5	4.2	1.0	0.8	0.8	0.4
4	1.2	1.8	3.4	2.5	5.4	2.8	2.8	5.4	1.2	0.8	0.8	0.4
5	5.0	2.0	4.0	3.0	7.6	2.8	4.2	4.0	1.8	0.8	0.6	0.4
6	1.0	1.0	0.8	3.5	7.6	2.2	3.5	2.0	1.8	0.8	0.6	0.4
7	1.4	0.8	0.8	3.5	7.2	1.8	2.5	2.2	1.6	0.6	0.6	0.4
8	1.4	0.6	0.8	3.5	7.2	2.2	2.5	2.5	1.4	0.6	0.4	0.4
9	1.4	0.6	0.8	3.0	9.8	3.0	3.0	2.5	1.4	0.6	0.4	0.6
10	1.6	0.8	1.0	2.2	5.8	3.0	2.5	3.0	1.0	0.8	0.4	0.8
11	1.6	1.2	1.6	2.8	7.2	3.2	2.0	2.8	1.0	1.0	0.6	0.6
12	1.8	0.8	1.6	25.1	5.8	3.0	3.0	2.0	1.2	1.0	0.4	0.8
13	1.2	1.2	1.2	21	25.70	2.0	3.5	1.8	1.2	1.0	0.2	0.6
14	1.4	3.78	1.2	1.8	5.66	1.8	4.0	2.0	1.2	0.6	0.4	0.4
15	1.0	5.3	2.0	1.6	3.0	2.5	3.8	1.8	1.2	0.6	0.4	0.4
16	1.2	2.5	2.0	1.6	7.1	5.4	3.5	1.8	1.2	0.6	0.2	0.4
17	1.2	1.8	2.5	1.8	2.5	13.2	3.2	1.8	1.0	0.8	0.4	0.6
18	1.4	1.4	2.5	3.8	8.0	5.5	3.2	1.8	1.2	0.8	0.4	0.6
19	0.4	0.8	1.8	2.130	2.2	3.5	4.0	1.6	0.8	1.0	0.4	0.4
20	0.4	0.8	0.8	3.96	1.8	6.7	7.5	1.6	0.8	0.8	0.6	0.6
21	1.0	0.8	0.6	1.2	1.8	4.3	5.8	1.6	0.8	0.6	0.6	0.4
22	1.0	0.8	1.4	3.9	1.8	13.2	5.0	1.6	1.0	0.8	0.6	0.4
23	1.6	0.8	1.6	3.0	2.0	1.3	4.0	1.0	0.6	0.8	0.4	0.4
24	1.6	0.6	1.6	34.2	1.8	3.2	4.2	0.8	0.8	0.8	0.4	0.6
25	1.8	0.6	1.2	6.12	1.8	7.6	3.5	0.8	1.0	0.8	0.6	0.6
26	2.0	0.6	0.8	2.9	2.0	6.9	5.0	1.0	1.0	0.6	0.4	0.4
27	1.6	0.6	0.6	4.5	1.8	2.8	5.8	1.2	1.0	0.6	0.6	0.4
28	1.6	0.6	1.0	3.0	1.6	1.8	1.8	1.0	1.2	0.6	0.6	0.6
29	2.0	0.6	1.8	3.0	3.5	6.6	8.2	0.8	1.0	0.6	0.4	0.4
30	2.0	0.8	2.0	3.5	3.5	6.3	6.3	1.0	1.0	0.8	0.4	0.4
31	1.6	0.8	2.5	3.5	3.5	2.7	1.0	1.0	0.8	0.8	0.4	0.4
45.6                      460.5                      76.9                      5942.6                      3277.3                      2489.5                      141.7                      64.6                      53.6                      23.8                      15.4                      14.4												

MEAN DISCHARGE PER SECOND-FOOT	1.47	15.4	2.48	127.	117.	80.3	4.72	2.08	1.12	0.77	0.50	0.48
ACRE-FOOT PER DAY	90.	913.	153.	7820.	6500.	4940.	281.	128.	67.	47.	31.	29.
Remarks:												
YEAR OR PERIOD	MEAN 29.0											
ACRE-FOOT	21000.											



FORM 66 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

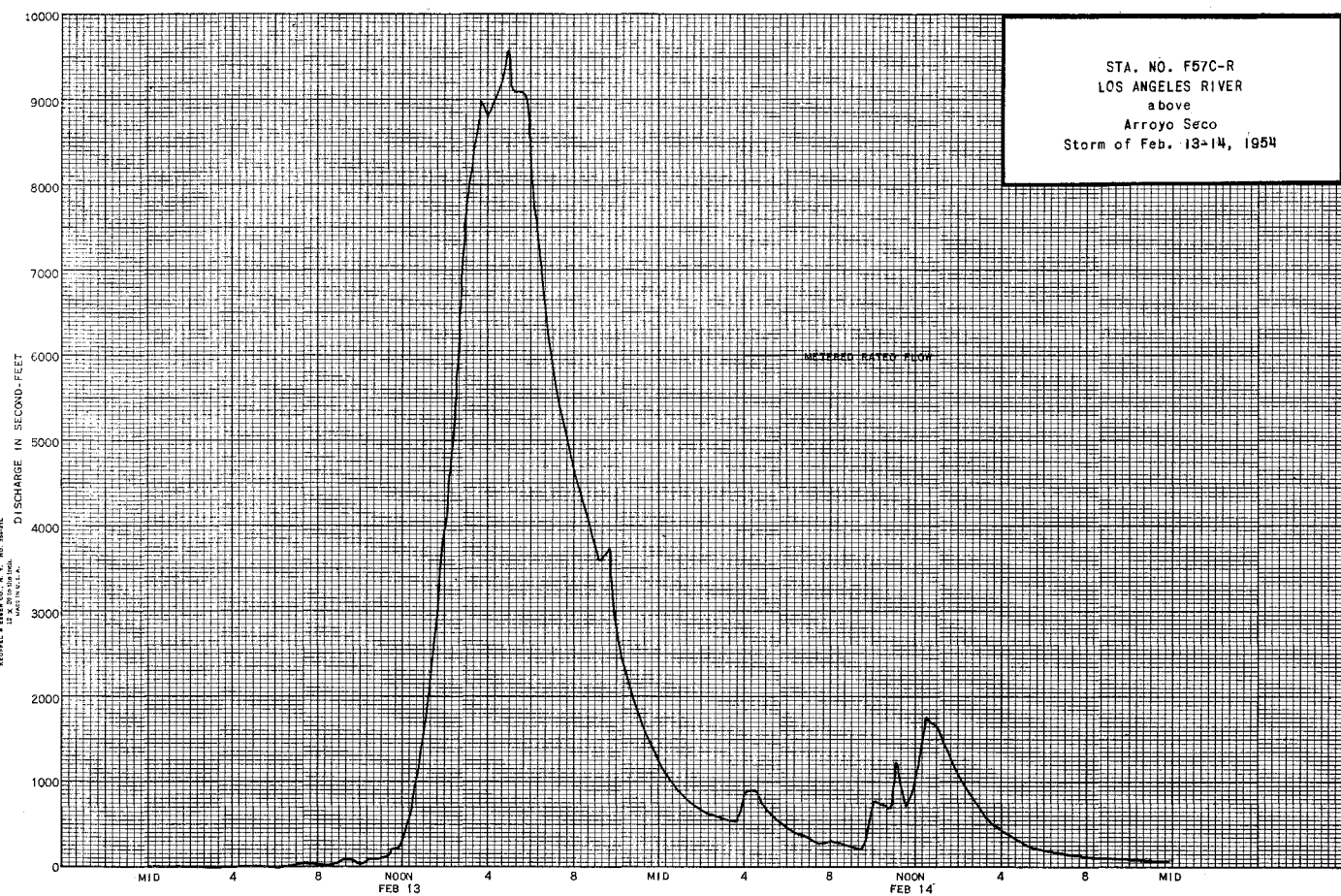
Sta. No. F57C-R

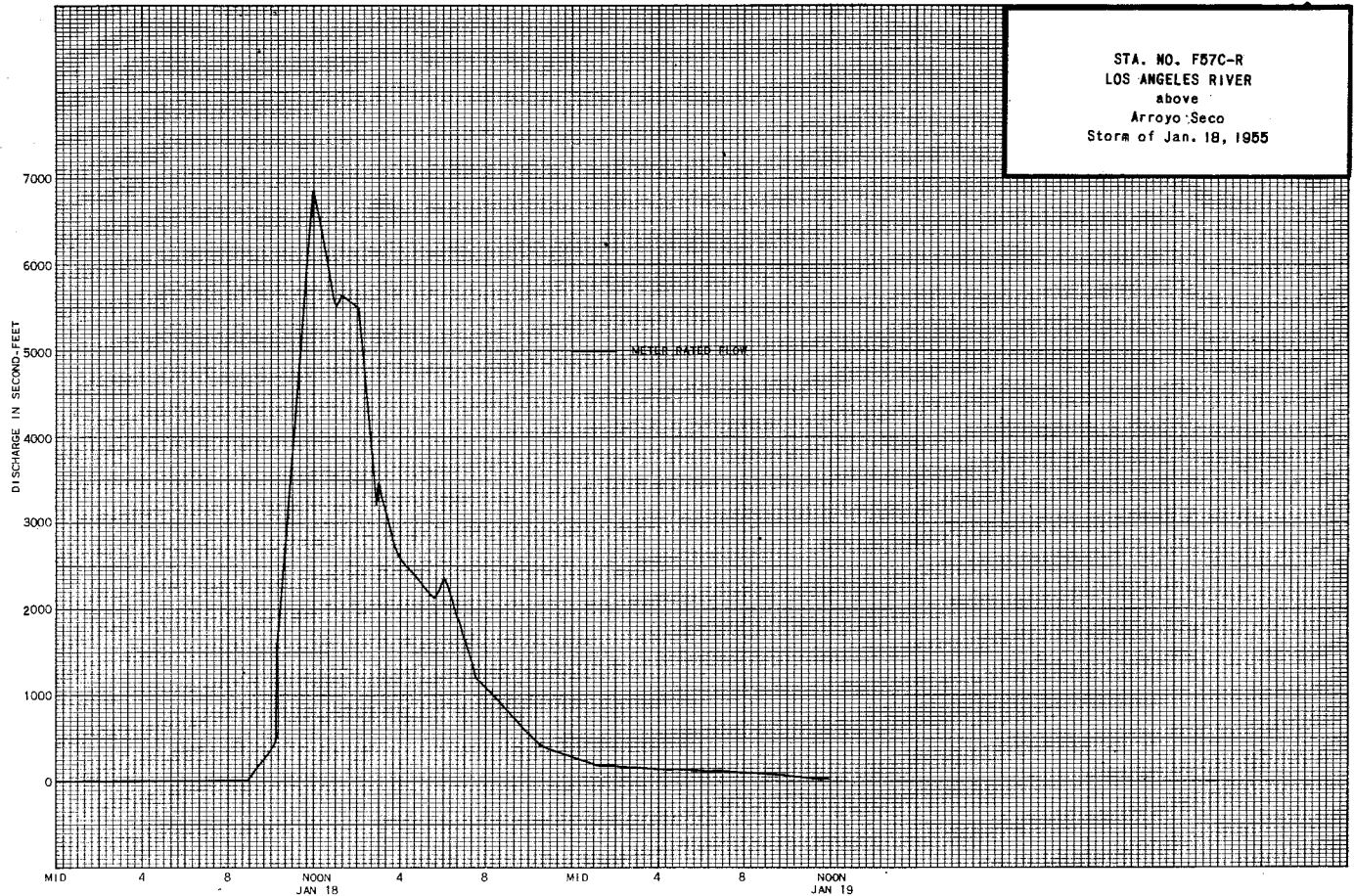
Daily discharge, in second-feet of LOS ANGELES RIVER above Arroyo Seco for the year ending September 30, 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.2	0.6	1.4	9.0	2.9	7.7	9.7	26.7	2.8	3.8	2.8	5.0
2	0.2	0.8	1.4	2.8	1.0	6.8	6.3	15	2.8	3.8	6.3	4.5
3	0.2	0.8	9.0	1.9	1.0	7.6	4.2	3.8	3.0	2.8	6.3	3.8
4	0.2	0.6	4.7	4.2	1.2	7.2	4.0	3.5	3.0	2.5	7.2	2.0
5	0.4	0.6	2.5	2.0	1.4	6.3	5.3	2.5	2.5	2.5	6.8	2.5
6	0.4	0.6	1.8	2.4	1.6	4.2	5.0	5.0	2.2	3.5	5.0	2.5
7	0.4	0.6	1.8	3.0	1.8	4.0	7.7	5.5	3.8	3.5	5.0	5.0
8	0.6	0.6	1.6	2.9	2.0	5.5	5.9	1.7	4.5	4.0	2.2	7.2
9	0.6	0.4	1.4	2.0	2.0	5.6	6.9	2.0	4.5	4.0	5.8	8.1
10	0.6	1.1	2.3	10.0	2.2	7.2	4.2	2.0	5.0	3.0	5.8	5.0
11	0.6	5.6	3.1	1.9	2.2	14.4	4.2	2.8	3.8	2.5	6.8	3.5
12	0.4	14.2	2.2	3.0	2.5	15	8.9	2.2	3.0	4.0	7.6	2.2
13	0.4	2.5	2.0	2.8	2.2	5.8	8.8	2.2	2.2	4.0	13	7.2
14	0.4	2.0	1.8	2.5	2.2	7.3	8.2	3.0	3.5	4.0	8.1	6.8
15	0.4	2.0	1.8	2.5	2.8	9.1	7.8	2.2	4.0	4.0	3.8	9.0
16	0.4	2.8	1.8	3.5	5.0	6.1	4.5	2.2	4.2	2.8	7.6	1.1
17	0.4	1.6	1.8	8.5	14.5	6.6	3.0	3.9	4.2	2.2	8.1	9.0
18	0.4	1.4	1.8	1.5	11	5.8	2.5	3.9	3.8	2.2	14	6.3
19	0.4	1.4	1.8	1.5	3.7	5.1	3.7	4.4	2.5	2.2	16	4.2
20	0.4	1.4	1.8	6.9	3.7	5.2	3.0	2.0	2.2	3.8	1.6	9.8
21	0.4	1.4	1.6	2.6	3.2	7.2	3.8	2.2	2.2	3.8	4.2	1.2
22	0.4	1.4	1.6	1.6	4.3	8.9	61.8	2.2	4.5	4.0	3.0	1.1
23	0.6	1.4	1.6	1.6	4.3	9.0	1.0	2.2	3.8	3.8	6.8	9.0
24	0.4	1.4	1.6	1.4	4.3	9.8	1.0	3.0	3.8	2.5	7.2	7.2
25	0.6	1.4	1.6	1.4	4.5	9.8	2.0	3.4	3.8	1.4	6.3	5.0
26	0.6	1.4	1.6	1.4	1.6	8.1	4.8	3.4	2.8	4.2	5.8	5.0
27	0.4	1.4	1.6	1.2	1.6	6.3	8.6	4.5	2.2	4.2	4.2	8.1
28	0.4	1.4	1.6	1.2	1.5	6.3	3.5	3.8	3.5	3.8	3.2	7.6
29	0.4	1.4	1.6	1.6	1.6	9.0	2.8	2.8	3.8	3.8	1.8	8.1
30	0.6	1.4	1.6	9.8	1.6	9.8	8.7	2.2	4.2	3.8	3.2	6.8
31	0.6	1.4	1.6	12.7	1.6	9.8	2.2	2.2	3.8	3.8	4.2	4.2

	13.8	745.8	568.8	3698.9	450.1	482.8	1747.7	897.0	104.2	105.2	196.4	195.6
MEAN	0.45	24.9	18.3	119.	16.1	15.6	58.4	28.9	3.47	3.39	6.34	6.52
ACRE- FEET	27.	1480.	1130.	7340.	893.	958.	3470.	1780.	207.	209.	390.	388.

Remarks: YEAR OR PERIOD MEAN ACRES- FEET 25.2 18270.





STATION F34C-R  
LOS ANGELES RIVER at Firestone Boulevard

LOCATION: WATER-STAGE RECORDER, LAT.  $33^{\circ}57'03''$ , LONG.  $118^{\circ}10'22''$ , ON THE DOWNSTREAM SIDE OF FIRESTONE BOULEVARD BRIDGE, ABOUT 3 MILES WEST OF DOWNEY. ELEVATION OF ZERO GAGE HEIGHT, 98.37 FEET.

DRAINAGE AREA: 614 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - SAND AND SILT, ABOUT 355 FEET WIDE WITH 3:1 RIPPED SLOPES. CONTROL - SHEET PILING ACROSS CHANNEL BOTTOM ABOUT 40 FEET BELOW STATION.

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

RECORDER: INSTALLED APRIL 11, 1938. RECORDER REMOVED NOVEMBER 3, 1949. REINSTALLED OVER A 22-INCH PIPE INSIDE PIER ON DOWNSTREAM SIDE OF NEW BRIDGE NOVEMBER 4, 1949. AN AU CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1953 TO SEPTEMBER 30, 1955.

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

DIVERSION: FLOW IS SUBJECT TO SAME DIVERSIONS AS STATION F57C-R. THE CITIES OF PASADENA AND SOUTH PASADENA DIVERT WATER FROM THE ARROYO SECO.

RECORDS AVAILABLE:

AT STATION F34-R - MARCH 1, 1928 TO APRIL 11, 1938. (FOR PREVIOUS RECORDS SEE STATE OF CALIFORNIA DIVISION OF WATER RIGHTS BULLETIN NO. 5.)

AT STATION F34B-R - APRIL 11, 1938 TO NOVEMBER 3, 1949.

AT STATION F34C-R - NOVEMBER 4, 1949 TO SEPTEMBER 30, 1955.

EXTREMES OF DISCHARGE:

1933-54

MAXIMUM 19520 SECOND-FEET FEBRUARY 13.  
MINIMUM 0.8 SECOND-FEET APRIL 11.

1954-55

MAXIMUM 13660 SECOND-FEET JANUARY 18.  
MINIMUM 5.3 SECOND-FEET DECEMBER 26.

1928-55

MAXIMUM 79000 SECOND-FEET ESTIMATED MARCH 2, 1938.  
MINIMUM NO FLOW AT VARIOUS TIMES PRIOR TO 1940. FLOW CONTINUOUS IN RECENT YEARS DUE TO INDUSTRIAL WASTES.

ACCURACY: GOOD.

OPERATION: 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 FIRESTONE 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 CFS	RAT. INS.	METH. NO.	WEAR. REC. NO.	D. CHG. TOTAL	METER NO.
294	10-1	0910 0919	BONADIMAN	16.0	11.0	1.29	+0.43	14.2	.6	8	0	FC19	
295	10-8	0900 0912	"	18.0	12.7	0.97	-0.40	12.4	.6	8	0	"	
296	10-15	0907 0919	"	20.0	13.2	0.92	-0.41	12.1	.6	9	0	"	
297	10-22	0925 0938	"	18.0	12.3	0.94	-0.45	11.6	.6	9	0	"	
298	10-29	0920 0932	"	19.0	13.2	1.10	-0.24	14.5	.6	10	0	"	
299	11-5	0918 0930	"	20.0	14.6	1.30	-0.10	18.9	.6	8	0	"	
300	11-12	0920 0930	"	20.0	13.7	1.06	-0.41	14.6	.6	8	0	"	
301	11-14	1624 1640	BONADIMAN-THOMAS	363.	1010.	3.53	2.34	3570.	.6	12	-02	"	
302	11-15	1449 1452	"	47.0	43.6	1.86	0.16	81.2	.6	16	-02	"	
303	11-19	0949 0958	BONADIMAN	22.0	12.4	1.19	-0.41	14.8	.6	7	0	"	
304	11-25	0836 0850	"	20.0	10.7	1.10	-0.50	11.8	.6	9	0	"	
305	12-3	0912 0920	"	12.5	10.2	1.29	+0.48	13.2	.6	9	0	"	
306	12-10	0856 0906	"	15.0	10.8	1.10	-0.51	11.9	.6	8	0	"	
307	12-17	0924 0934	"	16.0	12.4	1.02	-0.44	12.7	.6	9	0	"	
308	12-23	0901 0911	"	17.0	12.0	1.21	-0.47	14.5	.6	9	0	"	
309	12-31	0926 0938	"	16.0	12.4	1.22	-0.38	15.1	.6	9	0	"	
310	1-7	0900 0910	BONADIMAN-JORDAN	22.0	12.3	1.30	+0.48	16.0	.6	8	0	"	
311	1-12	1640 1655	BONADIMAN-THOMAS	CHANNELS			1.07	938.	.6	16	-03	"	
312	1-13	1530 1545	THOMAS-BONADIMAN	34.0	25.3	1.59	-0.03	40.3	.6	10	0	"	
313	1-14	0940 0952	BONADIMAN	25.0	14.6	1.13	-0.37	16.6	.6	9	0	"	
314	1-18	2214 2227	THOMAS-BONADIMAN	165.	222.	1.86	0.61	413.	.6	10	0	"	
315	1-19	0510 0543	"	368.	1320.	5.39	3.16	7110.	.6	13	+12 +.37	"	
316	1-19	1624 1642	"	362	900.	4.62	2.15	4160.	.6	16	-10	"	
317	1-21	1628 1640	"	34.0	18.9	1.64	-0.04	30.8	.6	11	-02	"	
318	1-24	1035 1050	"	180.	253.	2.22	0.72	561.	.6	11	-04	"	
319	1-25	0316 0336	"	358.	824.	5.04	1.83	4150.	.6	13	-14	"	
320	1-26	1525 1538	"	160.	177.	0.85	0.22	150.	.6	9	0	"	
321	1-28	0924 0936	BONADIMAN	22.0	16.2	1.13	-0.18	18.4	.6	10	0	"	
322	2-4	0917 0929	"	22.0	18.8	0.78	-0.46	14.8	.6	8	0	"	
323	2-11	0944 0957	"	20.0	17.6	1.05	-0.27	18.5	.6	9	0	"	
324	3-13	1340 1350	THOMAS	235.	584.	4.42	1.66	2580.	.6	9	+08	FC51	
325	2-14	0914 0924	BONADIMAN	160.	310.	1.77	0.77	547.	.6	9	-04	FC19	
326	2-15	1030 1020	THOMAS-BONADIMAN	160.	222.	0.23	0.05	50.1	.6	9	0	"	
327	2-18	0927 0940	BONADIMAN	21.0	17.0	1.92	-0.02	32.7	.6	10	-02	"	
328	2-25	0924 0936	"	18.0	10.3	1.20	-0.52	12.4	.6	9	0	"	
329	3-4	0914 0924	"	19.0	9.32	1.38	+0.50	12.9	.6	8	0	"	
330	3-11	0850 0904	"	17.0	9.96	1.34	-0.45	13.4	.6	8	0	"	
331	3-16	2100 2116	THOMAS-BONADIMAN	362.	974.	4.46	2.22	4340.	.6	14	-17	"	
332	3-17	0926 0940	"	170.	292.	1.17	0.50	330.	.6	9	-02	"	
333	3-18	0930 0946	"	28.0	25.6	1.30	-0.05	25.5	.6	8	0	"	
334	3-20	0635 0656	"	360.	815.	3.78	1.80	3380.	.6	14	-03	"	
335	3-21	0850 0909	"	176.	226.	1.55	0.60	350.	.6	11	0	"	
336	3-22	0905 0917	BONADIMAN-THOMAS	173.	209.	1.66	0.60	346.	.6	10	0	"	
337	3-25	0844 0900	BONADIMAN	162.	188.	1.25	0.51	236.	.6	11	-02	"	
338	3-30	0149 0159	BONADIMAN-THOMAS	357.	651.	4.41	1.55	2870	.6	15	+10	FC19	
339	3-30	0935 0946	"	362.	824.	5.78	2.27	4760.	.6	14	+06	"	
340	3-31	0905 0917	BONADIMAN	160.	112.	0.47	0.06	53.0	.6	13	-02	"	
341	4-1	0914 0924	"	26.0	19.1	1.30	-0.07	24.9	.6	8	0	"	
342	4-8	0924 0934	"	21.0	11.2	1.28	-0.39	14.3	.6	7	0	"	
343	4-15	0920 0932	"	23.0	13.8	1.20	-0.29	16.5	.6	10	0	"	
344	4-22	0930 0940	"	19.0	10.7	1.19	-0.36	12.7	.6	8	0	"	
345	4-29	0925 0936	"	20.0	14.2	1.22	-0.28	17.4	.6	9	0	"	
346	5-6	0948 0958	"	19.0	9.32	1.50	-0.41	14.0	.6	8	0	"	
347	5-13	0925 0935	"	17.0	8.95	1.67	+0.40	15.0	.6	7	0	"	
348	5-20	0923 0933	"	18.0	8.66	1.21	+0.41	10.5	.6	8	0	"	
349	5-27	0914 0926	"	13.0	8.09	1.31	+0.46	10.6	.6	9	0	"	
350	6-3	0910 0920	"	12.0	7.38	1.41	-0.50	10.4	.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 CFS	RAT. INS.	METH. NO.	WEAR. REC. NO.	D. CHG. TOTAL	METER NO.
351	6-10	0910 0920	"	13.0	7.73	1.26	-0.44	9.7	.6	8	0	"	
352	6-17	0914 0924	"	14.0	7.66	1.31	-0.41	10.0	.6	9	0	"	
353	6-24	0924 0934	"	16.0	9.20	1.36	-0.44	12.5	.6	8	0	"	
354	7-1	0906 0916	"	16.0	8.35	1.42	+0.42	11.9	.6	8	0	"	
355	7-8	0912 0924	"	15.0	8.53	1.52	-0.36	13.0	.6	8	0	"	
356	7-15	0936 0946	"	14.0	7.50	1.25	-0.45	9.4	.6	8	0	"	
357	7-22	0910 0920	"	17.0	10.0	1.09	-0.41	10.9	.6	8	0	"	
358	7-29	0928 0940	"	18.0	10.7	1.16	-0.38	12.4	.6	9	0	"	
359	8-5	0917 0927	"	15.0	8.30	1.20	-0.39	10.0	.6	8	0	"	
360	8-12	0918 0928	"	15.0	8.40	1.40	-0.39	11.7	.6	9	0	"	
361	8-19	0906 0916	"	14.0	7.65	1.27	-0.44	9.7	.6	8	0	"	
362	8-26	0910 0920	BONADIMAN	14.0	8.54	1.18	-0.45	10.1	.6	7	0	FC19	
363	9-2	0930 0954	THOMAS	22.6	11.0	1.09	-0.41	12.0	.6	10	0	FC51	
364	9-8	0910 0930	"	22.6	11.3	0.98	+0.43	11.1	.6	12	0	"	
365	9-16	0842 0958	"	22.6	11.7	1.07	-0.38	12.5	.6	11	0	"	
366	9-23	0840 0950	"	22.4	11.7	1.09	-0.38	12.8	.6	13	0	"	
367	9-30	0822 0846	"	22.0	10.2	1.17	-0.41	11.9	.6	10	0	"	

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER  
AT FIRESTONE BOULEVARD DURING THE YEAR ENDING SEPTEMBER 30, 1955

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE CFS	RAT. INS.	METH. NO.	WEAR. REC. NO.	D. CHG. TOTAL	METER NO.
368	10-7	0952 0952	BONADIMAN	11.0	6.66	1.68	-0.43	11.2	.6	8	0	FC19	
369	10-14	0920 0930	"	12.0	7.30	1.51	-0.47	11.0	.6	6	0	"	
370	10-21	0924 0934	"	13.0	6.46	1.86	-0.45	12.0	.6	8	0	"	
371	10-28	0920 0930	"	11.0	6.67	1.45	-0.43	9.7	.6	9	0	"	
372	11-4	0928 0940	"	12.0	7.61	1.53	-0.42	11.7	.6	8	0	"	
373	11-11	0450 0510	BONADIMAN-THOMAS	300.	605.	5.09	2.06	3140.	.6	13	-12	"	
374	11-12	0845 0905	"	165.	203.	1.40	0.54	285.	.6	12	-04	"	
375	11-18	0925 0935	"	21.0	17.6	0.68	-0.41	12.0	.6	8	0	"	
376	11-26	1110 1125	DE MARS	21.0	17.0	0.49	-0.61	8.4	.6	13	0	FC34	
377	12-2	0828 0840	BONADIMAN	18.0	15.2	0.56	-0.51	8.6	.6	7	9	FC19	
378	12-4	0845 0900	CHANNELS			0.26	116.		.6	12	-02	"	
379	12-4	1030 1040	DE MARS-VAN ALLEN	47.0	66.2	1.40	0.21	93.0	.6	24	-01	FC34	
380	12-9	0840 0900	BONADIMAN	15.0	15.4	0.79	-0.47	12.1	.6	8	0	FC19	
381	12-10	0010 0026	THOMAS-BONADIMAN	170.	318.	3.05	1.20	970.	.6	9	+05	"	
382	12-10	0125 0140	"	CHANNELS		1.84	3170.		.6	13	0	"	
383	12-11	1650 1700	THOMAS	37.0	24.6	0.69	-0.31	16.9	.6	9	0	FC51	
384	12-16	0920 0930	BONADIMAN	26.0	16.0	0.80	-0.46	12.8	.6	7	0	FC19	
385	12-23	0920 0936	"	24.0	12.3	0.75	-0.50	9.3	.6	10	0	"	
386	12-30	0856 0910	"	22.0	12.5	0.78	-0.49	9.8	.6	9	0	"	
387	1-1	1920 1938	THOMAS-BONADIMAN	195.	427.	3.70	1.41	1580.	.6	12	-12	"	
388	1-2	1025 1021	"	28.5	28.6	2.23	0.11	65.8	.6	12	0	"	
389	1-6	1048 1130	BONADIMAN	161.	161.	1.31	0.44	211.	.6	11	+08	"	
390	1-6	1238 1250	"	165.	334.	2.84	1.13	948.	.6	11	+04	"	
391	1-7	0840 0900	CHANNELS			0.20	87.3		.6	12	-03	"	
392	1-10	0725 0800	DE MARS-VAN ALLEN	365.	990.	6.72	3.10	6650.	.6	13	-09	FC34	
393	1-13	0950 1000	BONADIMAN	20.0	12.0	0.92	-0.40	11.0	.6	8	0	FC19	
394	1-16												

NO.	DATE	SEBIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC.	RAISE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INCH	METH. NO.	R. # OF CHANGE TOTAL	METER NO.	NO.	DATE	SEBIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC.	RAISE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INCH	METH. NO.	R. # OF CHANGE TOTAL	METER NO.
403	3-10	0925 0935	"	24.0	24.0	0.56	-0.44	13.5	.6	8	0	"	428	5-12	0909 0910	"	25.0	11.8	1.14	-0.39	13.5	.6	8	0	"
404	2-17	0919 0919	THOMAS-BONADIMAN	165.	363.	2.30	0.98	835.	.6	10	-0.04	"	429	5-19	0913 0926	SADDORIS-BONADIMAN	26.0	22.1	0.84	-0.27	18.6	.6	13	-0.02	"
405	2-18	0946 0958	BONADIMAN	165.	166.	0.21	0.03	35.4	.6	9	0	"	430	5-26	0915 0925	BONADIMAN	24.0	19.5	0.74	-0.37	14.4	.6	9	0	"
406	2-24	0920 0930	"	24.0	27.4	0.76	-0.25	20.8	.6	8	0	"	431	6-2	0944 0954	"	24.0	18.4	0.56	-0.47	10.3	.6	8	0	"
407	2-27	1338 1352	THOMAS-BONADIMAN	177.	405.	2.69	1.18	1090.	.6	11	0	"	432	6-9	0904 0916	"	26.0	21.6	0.98	-0.17	21.2	.6	10	0	"
408	2-28	0914 0927	THOMAS	33.5	24.0	1.96	0.05	47.1	.6	10	-0.02	"	433	6-16	0910 0924	"	22.0	20.6	0.93	-0.17	19.2	.6	11	0	"
409	3-3	0930 0942	BONADIMAN	23.0	23.5	0.72	-0.32	17.0	.6	9	0	"	434	6-23	0914 0924	"	25.0	17.8	1.03	-0.27	18.3	.6	8	0	"
410	3-10	0937 0947	"	28.0	23.4	0.87	-0.18	20.3	.6	8	0	"	435	6-30	0940 0950	"	24.0	15.2	0.95	-0.25	14.5	.6	7	0	"
411	3-11	0915 0930	BONADIMAN-THOMAS	175.	460.	3.11	1.42	1430.	.6	9	-0.01	"	436	7-7	0910 0922	"	25.0	14.2	1.37	-0.23	19.5	.6	9	0	"
412	3-11	1237 1250	THOMAS-BONADIMAN	36.0	34.3	2.17	0.14	78.0	.6	10	-0.02	"	437	7-14	0910 0920	"	22.0	15.2	1.27	-0.07	19.3	.6	9	0	"
413	3-16	1352 1405	BONADIMAN	170.	245.	0.99	0.48	242.0	.6	10	+0.02	"	438	7-21	0852 0900	"	28.0	24.1	0.96	-0.11	23.2	.6	8	0	"
414	3-17	0922 0932	"	29.0	20.2	1.26	-0.03	25.5	.6	8	0	"	439	7-28	0924 0934	"	30.0	23.1	0.92	-0.19	21.2	.6	10	0	"
415	3-24	0930 0942	BONADIMAN	27.0	21.0	1.11	-0.19	23.3	.6	9	0	"	440	8-4	0942 0958	"	29.0	23.8	1.18	-0.11	26.2	.6	9	0	"
416	3-31	1010 1026	"	28.0	21.0	1.08	-0.20	22.7	.6	10	0	"	441	8-11	0855 0906	"	30.0	24.2	0.96	-0.13	23.2	.6	10	0	"
417	4-7	0852 0916	"	25.5	23.2	0.82	-0.26	19.1	.6	9	0	FC20	442	8-15	0950 0702	"	28.0	16.8	0.72	-0.37	12.1	.6	9	0	"
418	4-14	0850 0918	"	24.0	24.2	1.00	-0.14	24.3	.6	9	0	FC19	443	8-18	0846 0856	"	28.0	22.6	0.95	-0.13	21.5	.6	9	0	"
419	4-21	0938 0948	"	21.0	16.5	0.79	-0.42	13.0	.6	8	0	"	444	8-22	0829 0839	"	26.0	16.8	0.74	-0.39	12.5	.6	9	0	"
420	4-22	0140 0204	THOMAS-BONADIMAN		CHANNELS			2.11	.6	14	+0.22	"	445	8-25	0920 0932	"	29.0	24.8	0.95	-0.11	23.6	.6	10	0	"
421	4-23	0852 0904	BONADIMAN	31.0	33.2	1.31	0.01	43.4	.6	9	0	"	446	9-1	0854 0904	"	31.0	26.4	1.09	-0.13	29.8	.6	8	0	"
422	4-28	0924 0934	"	26.0	15.7	1.39	-0.30	21.8	.6	8	0	"	447	9-6	0810 0817	SADDORIS	12.6	6.25	1.95	-0.42	12.2	.5	8	0	FC40
423	4-30	1815 1833	BONADIMAN-THOMAS	368.	1190.	5.93	3.10	706.0	.6	17	-0.40	"	448	9-8	1430 1445	"	12.3	7.36	3.33	-0.12	24.5	.5	8	0	"
424	5-1	0950 0855	BONADIMAN	175.	305.	2.38	0.93	726.	.6	10	+0.02	"	449	9-12	0842 0842	"	12.6	5.71	2.22	-0.39	12.7	.5	7	0	"
425	5-5	0850 1000	"	16.0	11.8	1.46	-0.32	17.2	.6	8	0	"	450	9-15	1015 1035	"	13.2	8.92	3.39	-0.06	30.2	.5	8	0	"
426	5-7	0706 0720	"		TWO CHANNELS			1.62	.6	15	+0.24	"	451	9-22	0950 1005	"	13.3	8.33	3.26	-0.10	27.2	.5	8	0	"
427	5-8	0908 0920	"	25.0	21.2	1.47	0.04	31.3	.6	8	-0.02	"	452	9-29	0924 0950	BONADIMAN	15.5	17.3	1.40	-0.12	24.3	.6	16	-0.02	FC19

FORM 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F3UC-R

Daily discharge, in second-feet of LOS ANGELES RIVER at Firestone Boulevard for the year ending September 30, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	18	2.0	21	5.5	4.3	13	22	17	9.0	12	7.6	18
2	19	3.4	21	4.1	7.4	13	13	9.0	10	10	8.3	16
3	10	5.5	18	3.4	5.2	13	6.2	35	12	9.0	17	17
4	3.4	3.4	15.1	7.6	3.1	13	7.6	38	17	4.8	12	7.6
5	8.3	1.7	3.8	1.6	3.3	1.6	9.3	3.1	1.7	1.6	9.0	4.1
6	18	18	4.8	1.9	2.9	1.6	11	17	1.3	7.6	7.6	2.0
7	17	10	5.9	1.6	2.4	1.2	12	1.9	1.4	1.3	4.8	9.3
8	17	5.4	14	1.6	2.2	1.4	14	1.8	1.7	1.2	2.7	14
9	14	10	13	1.2	3.5	1.3	9.0	1.7	1.4	1.2	4.8	17
10	12	2.1	1.3	7.6	2.1	1.3	2.0	1.7	1.2	7.6	8.3	1.2
11	5.5	1.8	1.2	4.5	1.8	1.3	1.2	1.6	1.0	5.5	9.0	4.1
12	12	1.6	1.6	6.9	4.47	9.0	1.2	3.4	10	6.2	1.2	2.0
13	17	1.6	5.5	1.30	4.1	10	7.6	1.6	1.2	10	8.3	1.0
14	16	9.17	1.2	1.8	9.26	1.6	8.3	1.4	1.2	8.3	1.6	1.2
15	14	1.6	1.8	1.3	6.3	1.7	1.4	1.4	1.3	1.2	1.8	1.3
16	16	2.7	1.7	1.2	3.3	11.00	1.4	8.3	1.3	2.1	7.6	1.3
17	16	1.7	1.6	9.0	1.9	2.72	1.1	9.0	1.2	1.7	1.6	7.6
18	6.9	1.7	1.6	2.07	3.4	1.1	5.9	1.3	1.2	1.0	1.3	6.2
19	6.2	1.6	1.0	3.400	1.6	1.0	2.9	1.4	1.3	1.3	1.2	4.8
20	1.3	2.7	5.2	1.68	1.4	1.50	4.6	1.4	5.9	1.2	1.6	7.6
21	1.9	1.4	1.2	1.06	1.3	3.00	1.4	1.7	3.5	1.2	1.2	1.4
22	1.6	6.9	1.3	4.9	b 1.3	4.09	1.4	1.3	1.2	1.3	7.6	1.3
23	1.9	1.0	1.7	2.2	1.3	3.12	1.6	8.3	1.3	1.7	1.4	1.2
24	1.4	1.7	1.4	8.84	1.2	3.23	1.4	1.2	1.8	1.8	1.9	9.0
25	1.3	1.6	6.2	1.800	1.2	2.65	4.8	1.4	1.3	9.0	1.4	1.0
26	1.3	1.0	2.7	2.55	1.2	6.8	6.9	1.3	1.3	6.2	1.2	1.0
27	1.3	1.0	4.1	7.4	1.2	3.3	1.4	1.3	8.3	9.0	9.0	1.1
28	1.9	8.3	8.3	4.0	b 1.2	3.0	8.2	1.4	9.0	1.6	6.9	1.2
29	1.2	6.9	9.0	2.7	a	7.9	3.3	1.2	1.3	1.4	4.1	1.2
30	6.9	1.4	8.3	2.6		1.30	2.4	7.6	1.0	1.4	6.2	1.3
31	4.8		1.0	3.1		3.5		5.5		1.0	1.6	
	408.0	1333.8	524.9	8862.2	5745.0	5672	468.4	489.7	376.5	349.8	300.2	312.3

MEAN	13.2	44.5	16.9	286.	207.	215.	15.6	15.8	12.6	11.3	9.68	10.4
ACRE- FEET	809.	2650.	1040.	17580.	11470.	13230.	929.	971.	747.	694.	595.	619.

Remarks:

YEAR OR PERIOD MEAN 70.9  
ACRE-FEET 51330.

FORM 612-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F34C-R

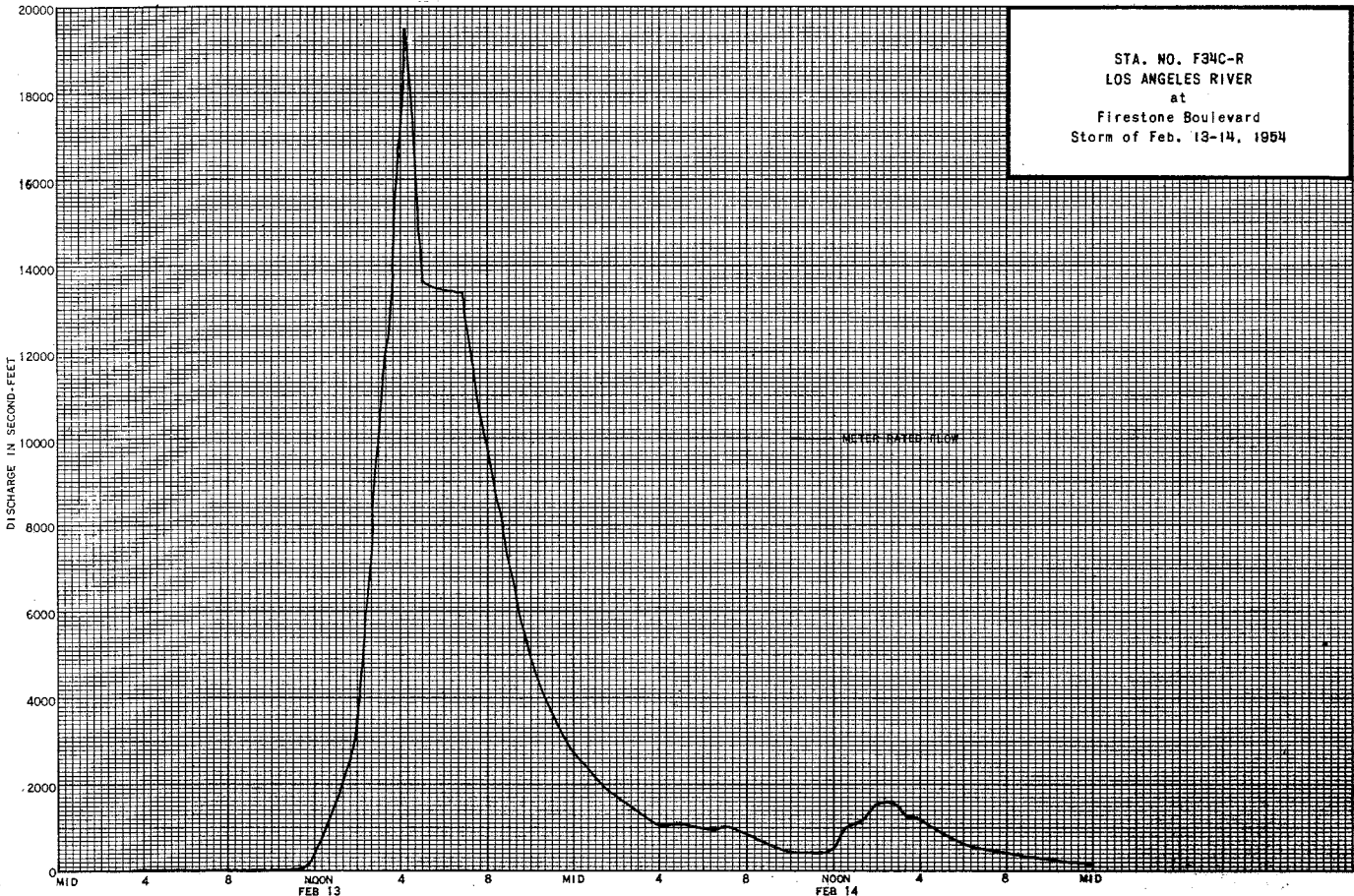
Daily discharge, in second-feet of LOS ANGELES RIVER at Firestone Boulevard for the year ending September 30, 1956

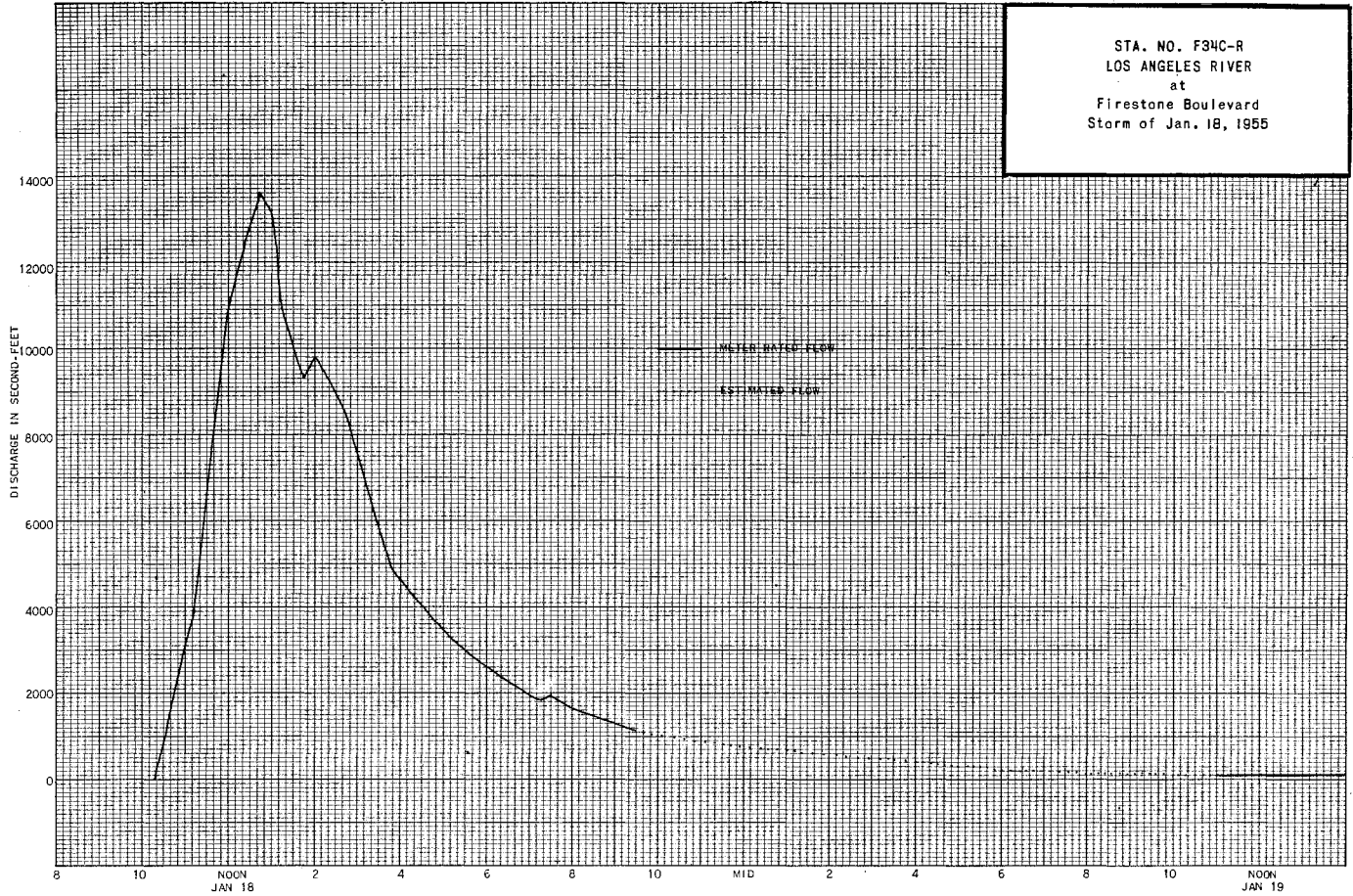
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	12	11	a 8.8	363	a 26	29	20	860	12	14	14	22
2	10	12	a 8.6	99	12	18	16	49	12	10	20	21
3	9.4	13	225	18	12	16	13	33	13	9.7	18	17
4	9.7	12	154	20	12	18	13	24	12	9.9	23	12
5	12	11	15	12	13	18	16	20	10	11	20	11
6	12	10	19	480	13	15	16	18	11	15	20	12
7	11	10	14	95	14	14	17	815	14	18	12	16
8	11	11	14	19	14	17	18	31	14	18	12	19
9	11	11	98	12	a 15	22	16	b 27	17	16	17	21
10	13	14	586	1440	15	11	14	b 23	15	12	19	17
11	13	1140	23	47	16	309	13	b 19	13	12	19	16
12	15	444	13	14	14	68	16	15	9.9	16	20	14
13	14	18	12	11	14	32	20	15	11	16	22	24
14	11	13	12	12	14	18	22	12	14	14	22	22
15	11	14	12	10	14	35	20	12	15	12	13	22
16	12	23	14	660	74	85	16	14	16	14	18	21
17	11	12	12	39	356	25	b 15	15	12	11	17	19
18	12	12	9.4	2470	33	21	b 14	16	12	11	20	15
19	13	13	9.2	182	17	20	b 13	16	10	17	23	12
20	12	11	10	31	13	15	13	16	11	18	22	20
21	12	10	9.7	25	13	14	39	13	14	19	14	22
22	14	10	9.0	20	14	17	1030	12	17	16	13	22
23	12	12	9.2	17	16	19	42	13	16	15	21	18
24	11	12	8.1	16	17	a 21	25	13	16	13	17	15
25	11	9.7	6.2	14	18	23	19	14	14	12	17	13
26	9.0	a 9.6	7.4	12	68	24	104	15	12	16	15	12
27	9.2	9.5	9.9	12	283	26	48	14	12	17	15	18
28	9.9	9.4	10	12	52	a 28	28	13	12	16	17	17
29	9.9	9.2	10	13	28	b 21	21	11	12	16	14	18
30	8.3	a 9.0	10	227	18	18	1330	11	14	17	16	16
31	9.2		8.3	338	18	18		12		15	18	

350.6	1915.4	1364.8	6740.0	1192.0	1145.0	3007.0	2192.0	396.9	446.6	543.0		
MEAN	11.3	63.8	44.0	217.4	42.6	36.9	100.2	70.7	13.2	14.4	17.5	17.5
ACRE- FEET	695.	3800.	2710.	13400.	2360.	2270.	5960.	4350.	787.	886.	1080.	1040.

Remarks:

YEAR OR PERIOD MEAN ACRE-FEET 54.3 39340.





STATION F180-R  
LOS ANGELES RIVER at Pacific Coast Highway

LOCATION: WATER-STAGE RECORDER, LAT.  $33^{\circ}47'25''$ , LONG.  $118^{\circ}12'17''$ , ON THE DOWN-STREAM 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, 1953 TO SEPTEMBER 30, 1955. AN AUXILIARY STILLING WELL AND RECORDER ARE MAINTAINED ON THE WEST SIDE OF THE CHANNEL.

REGULATION AND/OR DIVERSIONS: FLOW IS SUBJECT TO THE SAME REGULATION AS STATION F34C-R AND STATION F45B-R.

RECORDS AVAILABLE: OCTOBER 31, 1931 TO SEPTEMBER 30, 1953. FOR EARLIER RECORDS SEE STATION F36-R, LOS ANGELES RIVER AT WILLOW STREET.

EXTREMES OF DISCHARGE:

1953-54

MAXIMUM 34760 SECOND-FEET FEBRUARY 13.

MINIMUM 2.5 SECOND-FEET SEPTEMBER 8.

1954-55

MAXIMUM 17750 SECOND-FEET JANUARY 18.

MINIMUM 2.2 SECOND-FEET APRIL 14.

1931-55

MAXIMUM 99000 SECOND-FEET ESTIMATED MARCH 2, 1938.

MINIMUM NO FLOW IN 1950-31 AND 1933-34.

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

OPERATED: 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 WEIR Pacific Coast Highway DURING THE YEAR ENDING SEPTEMBER 30, 19 54

NO.	DATE	BSIM END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INQ.	METH. DD	MEAS. REC. NO.	D. HT. CHANGE TOTAL	METER NO.
1304	10-1	1250	BONADIMAN	14.0	7.30	0.62	2.60	4.5	.6	6	0	FC19	
1305	10-8	1155	"	17.0	9.50	0.66	2.75	6.3	.6	7	0	"	
1306	10-15	1230	"	20.0	9.64	0.77	2.75	7.4	.6	9	0	"	
1307	10-22	1150	"	13.0	8.04	0.48	2.72	3.9	.6	7	0	"	
1308	10-29	1220	"	10.0	4.05	0.67	2.70	2.7	.5	6	0	"	
1309	11-5	1206	"	17.0	7.17	0.53	2.80	3.8	.5	7	0	"	
1310	11-12	1140	"	10.0	5.72	0.61	2.62	3.5	.5	7	0	"	
1311	11-14	2116	BONADIMAN-THOMAS	451.2	1410.	2.72	6.24	3630.	.6	16	-0.12	"	
1312	11-15	1235	"	CHANNELS			4.04	437.	.6	14	-0.02	"	
1313	11-19	1247	BONADIMAN	21.0	8.39	1.24	2.90	10.4	.6	7	0	"	
1314	11-25	1144	"	12.0	5.95	1.18		7.0	.6	8		"	
1315	12-3	1150	"	15.0	8.59	0.88		7.6	.6	8		"	
1316	12-11	1202	"	18.0	16.5	0.25		4.2	.6	8		"	
1317	12-17	1150	"	20.0	9.45	0.94		8.9	.6	8		"	
1318	12-23	1156	"	12.0	6.94	0.81		5.6	.6	8		"	
1319	12-31	1200	"	13.0	8.20	0.58		4.8	.6	8		"	
1320	1-7	1150	"	15.0	8.14	1.07		8.7	.6	6		"	
1321	1-12	2110	BONADIMAN-THOMAS	CHANNELS			5.12	1480.	.6	19	+16	"	
1322	1-13	1300	THOMAS	"	"	"	3.73	236.	.6	10	0	"	
1323	1-14	1320	BONADIMAN	34.0	9.19	2.58	2.98	23.7	.6	10	0	"	
1324	1-19	1224	BONADIMAN-THOMAS	451.2	2070.	5.75	8.13	11900.	.6	10	-26	"	
1325	1-20	1623	THOMAS	CHANNELS			4.24	566.	.6	20	-0.05	"	FC19
1326	1-21	1534	THOMAS-BONADIMAN	"	"	"	3.51	60.4	.6	11	-0.02	"	
1327	1-24	1390	"	"	"	"	4.82	1390	.6	19	+0.05	"	
1328	1-25	0935	"	452.	1310.	4.74	6.17	6210.	.6	13	-16	"	
1329	1-26	1345	THOMAS	CHANNELS			3.82	222.	.6	17	0	"	
1330	1-28	1040	BONADIMAN	55.0	73.2	0.72	3.26	52.7	.6	6	0	"	
1331	2-4	1146	"	42.0	22.7	1.00	2.97	22.8	.6	9	0	"	
1332	2-11	1154	"	35.0	22.1	1.17	2.98	26.0	.6	10	0	"	
1333	2-13	2030	THOMAS-HETHERMAN	468.	2200.	9.00	7.55	19800.	.6	15	-85	FC51	
1334	2-14	1120	BONADIMAN	CHANNELS			4.45	1080.	.6	17	-0.06	FC19	
1335	2-16	1435	THOMAS-BONADIMAN	66.0	51.6	0.72	3.00	37.3	.6	19	0	"	
1336	2-18	1236	BONADIMAN	64.0	49.4	0.90	3.02	44.2	.6	12	-0.02	"	
1337	2-25	1150	"	32.0	15.6	0.82	2.77	12.8	.6	9	0	"	
1338	3-4	1220	"	38.0	16.0	0.56	2.72	9.0	.6	10	0	"	
1339	3-11	1150	"	26.0	11.8	0.78	2.71	9.2	.6	8	0	"	
1340	3-17	0040	THOMAS-BONADIMAN	453.	1290.	3.64	5.56	4700.	.6	16	-12	"	
1341	3-17	1410	"	CHANNELS			4.01	507.	.6	21	-0.02	"	
1342	3-18	1337	"	75.0	53.0	0.99	3.04	52.3	.6	14	-0.02	"	
1343	3-20	1128	"	458.	1390.	3.55	5.92	4930.	.6	15	-16	"	
1344	3-21	1400	"	CHANNELS			4.24	865.	.6	16	-0.02	"	
1345	3-22	1425	BONADIMAN-THOMAS	"	"	"	4.47	911.	.6	16	0	"	
1346	3-24	1300	BONADIMAN	"	"	"	3.19	83.1	.6	12	0	"	
1347	3-25	1244	"	"	"	"	4.27	714.	.6	18	-0.02	"	
1348	3-26	0912	"	117.	81.9	1.22	3.46	98.7	.6	11	+0.01	"	
1349	3-30	0930	BONADIMAN-THOMAS	451.	1060.	4.97	5.85	5270.	.6	13	-10	"	
1350	3-31	0813	BONADIMAN	CHANNELS			3.62	105.	.6	12	0	FC19	
1351	4-1	1220	"	"	"	"	3.43	68.0	.6	12	0	"	
1352	4-8	1200	"	22.0	10.4	0.70		7.3	.6	7		"	
1353	4-15	1200	"	28.0	16.0	1.04	3.43	16.6	.6	8	0	"	
1354	4-22	1200	"	30.0	17.3	1.10	3.40	19.1	.6	9	0	"	
1355	4-29	1140	"	37.0	26.9	1.20	3.44	31.9	.6	7	0	"	
1356	5-6	1156	"	CHANNELS			3.78	226.	.6	14	0	"	
1357	5-13	1228	"	29.0	13.2	0.80	3.28	10.4	.6	9	0	"	
1358	5-20	1238	"	28.0	13.8	0.77	3.35	10.7	.6	9	0	"	
1359	5-27	1120	"	22.0	10.0	0.72		7.2	.6	6		"	
1360	6-3	1128	"	19.0	7.63	0.50		3.8	.6	5		"	

NO.	DATE	BSIM END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INQ.	METH. DD	MEAS. REC. NO.	D. HT. CHANGE TOTAL	METER NO.
1361	6-10	1120	"	9.0	4.66	0.94		4.4	.6	7		"	
1362	6-17	1130	"	14.0	7.75	0.98		6.8	.6	7		"	
1363	6-24	1148	"	13.0	7.43	0.87		6.5	.6	7		"	
1364	7-1	1136	"	10.0	6.87	0.93		6.4	.6	6		"	
1365	7-8	1200	"	11.0	7.43	0.98		7.3	.6	8		"	
1366	7-15	1310	"	12.0	6.05	0.83		5.0	.6	8		"	
1367	7-22	1320	"	14.0	6.63	0.81		5.4	.6	7		"	
1368	7-29	1150	"	14.0	6.66	1.01		6.7	.6	7		"	
1369	8-5	1210	"	12.5	5.75	0.89		5.1	.6	8		"	
1370	8-12	1120	"	12.0	5.54	0.79		4.4	.6	8		"	
1371	8-19	1330	"	11.0	5.20	0.71		3.7	.6	6		"	
1372	8-26	1150	"	10.0	3.96	0.61		2.4	.6	6		"	
1373	9-2	1443	THOMAS	11.0	8.08	1.36		11.0	.6	9		FC51	
1374	9-8	1226	"	7.3	2.82	0.95		2.5	.6	8		"	
1375	9-16	1235	"	8.0	3.20	1.25		4.0	.6	7		"	
1376	9-23	1130	"	8.0	3.30	1.39		4.6	.6	8		"	
1377	9-30	1346	"	8.9	3.99	1.25		5.0	.6	8		"	

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER

AT WEIR Pacific Coast Highway DURING THE YEAR ENDING SEPTEMBER 30, 19 55

NO.	DATE	BSIM END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INQ.	METH. DD	MEAS. REC. NO.	D. HT. CHANGE TOTAL	METER NO.
1378	10-7	1150	BONADIMAN	13.0	6.30	0.68		4.3	.6	7		FC19	
1379	10-14	1120	"	14.0	6.84	0.86		5.9	.6	6		"	
1380	10-21	1140	"	14.0	6.10	0.64		3.9	.6	6		"	
1381	10-28	1125	"	13.0	5.45	0.51		2.8	.6	7		"	
1382	11-4	1250	"	14.0	6.04	0.53		3.2	.6	6		"	
1383	11-11	0915	BONADIMAN-THOMAS	CHANNELS			5.00	4690.	.6	22	+19	"	
1384	11-12	0944	"	"	"	"	3.12	926.	.6	24	+20	"	
1385	11-13	1152	BONADIMAN	"	"	"		28.4	.6	13		"	
1386	11-18	1240	"	"	"	"	1.68	10.2	.6	13	0	"	
1387	11-26	1359	DE MARS	"	"	"	2.1	2.1	.5	10		FC34	
1388	12-2	1110	BONADIMAN	36.0	21.1	0.38	1.48	8.1	.6	5	0	FC19	
1389	12-4	0025	BONADIMAN-THOMAS	CHANNELS			2.64	457.	.6	19	+20	"	
1390	12-4	1002	BONADIMAN	"	"	"	2.76	428.	.6	20	0	"	
1391	12-9	1030	"	36.0	16.0	0.62	1.74	10.0	.6	8	0	"	
1392	12-10	1130	THOMAS-BONADIMAN	CHANNELS			3.52	2600.	.6	16	-0.08	"	
1393	12-11	0544	THOMAS	"	"	"	1.97	39.7	.6	19	0	FC51	
1394	12-16	1132	BONADIMAN	29.0	11.6	0.61	1.86	7.1	.6	8	0	FC19	
1395	12-23	1220	"	30.0	11.9	0.41	1.78	4.9	.6	8	0	"	
1396	12-30	1112	"	25.0	6.84	0.49	1.87	4.3	.6	7	0	"	
1397	1-1	1100	THOMAS-BONADIMAN	CHANNELS			3.51	2990.	.6	18	+14	"	
1398	1-2	1320	"	"	"	"	2.58	147.	.6	15	0	"	
1399	1-6	1652	BONADIMAN	"	"	"	3.27	1300.	.6	17	+0.06	"	
1400	1-7	1130	"	CHANNELS			2.54	283.	.6	25	0	"	
1401	1-10	0808	BONADIMAN-THOMAS	"	"	"	5.45	12500.	.6	16	+10	"	
1402	1-10	1525	"	"	"	"	3.58	1500.	.6	12	-0.02	"	
1403	1-11	1343	BONADIMAN	70.0	210.	1.11	2.50	233.	.6	6	0	"	
1404	1-13	1203	"	21.0	11.9	1.73	1.95	20.6	.6	7	0	"	
1405	1-16	1216	BONADIMAN-THOMAS	440.	932.	6.31	4.47	5880.	.6	14	+18	"	
1406	1-17	1305	"	50.0	74.2	1.47	2.28	109.	.6	5	0	"	
1407	1-18	1312	"	530.	2010.	8.64	6.78	73000.	.6	13	-16	"	
1408	1-19	1208	BONADIMAN	166.	232.	2.25	2.82	523.	.6	11	0	"	
1409	1-20	1410	"	76.0	61.1	1.47	1.94	90.0	.6	6	0	"	
1410	1-27	1210	"	30.0	11.6	0.94	1.62	10.9	.6	7	0	"	
1411	1-31	1333	THOMAS-BONADIMAN	198.	36.4	2.15	3.37	827.	.6	9	-0.02	"	
1412	2-3	1124	BONADIMAN	26.0	12.6	0.93	1.40						

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. USED	MEAN REC. NO.	D. HT. CHANGE TOTAL	METER NO.	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. USED	MEAN REC. NO.	D. HT. CHANGE TOTAL	METER NO.											
1414	2-17	0940 0958	THOMAS-BONADIMAN	265.	493.	2.52	3.99	1240.	.6	14	0	"	1437	5-8	1140 1156	"	108.	129.	1.46	2.38	188.	.6	8	0	"	1438	5-12	1130 1130	"	28.0	11.0	0.91	1.70	10.0	.6	8	0	"
1415	2-18	1140 1150	BONADIMAN	110.	76.1	1.44	1.94	111.	.6	8	0	"	1439	5-19	1200 1212	BONADIMAN-SADDORIS	28.0	10.6	1.15	1.76	12.2	.6	7	0	"	1440	4-26	1156 1206	BONADIMAN	27.0	10.2	1.06	1.72	10.8	.6	8	0	"
1416	2-24	1252	"	14.0	7.57	1.08	1.78	8.2	.6	7	0	"	1441	6-2	1240 1250	"	16.0	7.28	0.81	1.68	5.9	.6	6	0	"	1442	6-9	1120 1132	"	11.0	6.71	1.22	1.74	8.2	.6	7	0	"
1417	2-27	1730 1745	THOMAS-BONADIMAN	272.	585.	2.53	3.95	1480.	.6	13	+03	"	1443	6-16	1234 1234	"	14.0	3.82	0.47	1.68	1.8	.6	6	0	"	1444	6-23	1190 1200	"	9.0	8.15	1.46	1.78	11.9	.6	7	0	"
1418	2-28	1109 1125	"	165.	124.	1.59	2.25	197.	.6	11	-.02	"	1445	6-30	1200 1210	"	10.0	8.28	1.64	1.79	13.6	.6	6	0	"	1446	7-7	1210 1220	"	9.0	8.00	1.62	1.82	13.0	.6	7	0	"
1419	3-3	1140 1150	BONADIMAN	29.0	14.0	0.78	1.74	10.9	.6	8	0	"	1447	7-14	1150 1200	"	11.0	12.4	1.76	1.82	21.9	.6	8	0	"	1448	7-21	1230 1230	"	9.5	11.2	1.79	2.06	20.0	.6	8	0	"
1420	3-10	1200 1210	"	18.0	8.51	1.48	1.72	12.6	.6	7	0	"	1449	7-28	1220 1230	"	10.0	12.4	1.70	1.91	21.0	.6	9	0	"	1450	8-4	1250 1300	"	9.5	9.86	1.72	1.94	17.0	.6	7	0	"
1421	3-11	0840 0904	BONADIMAN-THOMAS	330.	571.	3.13	4.18	1780.	.6	11	-.08	"	1451	8-11	1230 1240	"	11.0	9.90	1.68	1.95	16.6	.6	8	0	"	1452	8-18	1235 1245	"	11.0	6.37	2.46		15.7	.6	7	0	"
1422	3-12	0940 0954	BONADIMAN	164.	122.	1.48	2.31	180.	.6	10	0	"	1453	8-25	1300 1300	"	11.0	11.8	1.54		18.2	.6	7	0	"	1454	9-1	1215 1215	"	12.5	12.6	1.67		21.0	.6	8	0	"
1423	3-17	1200 1210	"	51.0	29.6	1.26	2.02	37.3	.6	11	0	"	1455	9-8	1130 1140	SADDORIS	12.2	12.0	1.59		19.1	.5	7	FC40	1456	9-15	1315 1330	"	12.2	13.0	1.41		16.4	.5	12	"		
1424	3-24	1240 1250	"	20.0	9.90	1.12	1.70	11.1	.6	7	0	FC19	1457	9-22	1400 1414	"	12.2	13.3	1.47		19.6	.6	13	"	1458	9-29	1344 1356	BONADIMAN	20.5	14.5	1.08		15.7	.6	10	FC19		
1425	3-31	1205 1218	"	16.0	8.22	1.69	1.68	13.9	.6	7	0	"	1437	5-8	1140 1156	"	108.	129.	1.46	2.38	188.	.6	8	0	"	1438	5-12	1130 1130	"	28.0	11.0	0.91	1.70	10.0	.6	8	0	"
1426	4-7	1220 1230	"	16.0	7.32	1.22	1.65	8.9	.6	7	0	FC20	1440	4-26	1156 1206	BONADIMAN	27.0	10.2	1.06	1.72	10.8	.6	8	0	"	1441	6-2	1240 1250	"	16.0	7.28	0.81	1.68	5.9	.6	6	0	"
1427	4-14	1215 1224	"	9.0	2.72	0.81	1.62	2.2	.6	5	0	FC19	1442	6-9	1120 1132	"	11.0	6.71	1.22	1.74	8.2	.6	7	0	"	1443	6-16	1234 1234	"	14.0	3.82	0.47	1.68	1.8	.6	6	0	"
1428	4-21	1250 1300	"	11.0	5.45	1.32	1.62	7.2	.6	7	0	"	1444	6-23	1190 1200	"	9.0	8.15	1.46	1.78	11.9	.6	7	0	"	1445	6-30	1200 1210	"	10.0	8.28	1.64	1.79	13.6	.6	6	0	"
1429	4-22	0527 0558	THOMAS-BONADIMAN	CHANNELS			5.00	5420.	.6	15	-.20	"	1446	7-7	1210 1220	"	9.0	8.00	1.62	1.82	13.0	.6	7	0	"	1447	7-14	1150 1200	"	11.0	12.4	1.76	1.82	21.9	.6	8	0	"
1430	4-23	1210 1226	BONADIMAN	150.	88.2	1.46	2.24	129.	.6	10	-.02	"	1448	7-21	1230 1230	"	9.5	11.2	1.79	2.06	20.0	.6	8	0	"	1449	7-28	1220 1230	"	10.0	12.4	1.70	1.91	21.0	.6	9	0	"
1431	4-26	1240 1300	"	32.0	13.9	1.15	1.98	16.0	.6	8	0	"	1450	8-4	1250 1300	"	10.0	12.4	1.70	1.91	21.0	.6	9	0	"	1451	8-11	1230 1240	"	11.0	9.90	1.68	1.95	16.6	.6	8	0	"
1432	4-30	1218 1258	BONADIMAN-THOMAS	522.	1060.	6.34	5.25	6720.	.6	17	-.30	"	1452	8-18	1235 1245	"	11.0	6.37	2.46		15.7	.6	7	0	"	1453	8-25	1300 1300	"	11.0	11.8	1.54		18.2	.6	7	0	"
1433	5-1	1052 1110	BONADIMAN	295.	396.	3.58	3.62	1420.	.6	13	-.04	"	1454	9-1	1215 1215	"	12.5	12.6	1.67		21.0	.6	8	0	"	1455	9-8	1130 1140	SADDORIS	12.2	12.0	1.59		19.1	.5	7	FC40	
1434	5-2	1310 1330	"	105.	126.	1.59	2.40	203.	.6	9	0	"	1456	9-15	1315 1330	"	12.2	13.0	1.41		16.4	.5	12	"	1457	9-22	1400 1414	"	12.2	13.3	1.47		19.6	.6	13	"		
1435	5-5	1250 1302	"	24.0	23.8	1.17	1.92	27.8	.6	8	0	"	1458	9-29	1344 1356	BONADIMAN	20.5	14.5	1.08		15.7	.6	10	FC19	1437	5-8	1140 1156	"	108.	129.	1.46	2.38	188.	.6	8	0	"	
1436	5-7	1036 1102	"	TWO CHANNELS				4030.	.6	22	+1.0	"	1438	5-12	1130 1130	"	28.0	11.0	0.91	1.70	10.0	.6	8	0	"	1439	5-19	1200 1212	BONADIMAN-SADDORIS	28.0	10.6	1.15	1.76	12.2	.6	7	0	"

10714X Gb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F10R

Daily discharge, in second-feet of LOS ANGELES RIVER at Pacific Coast Highway for the year ending September 30, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	b 4.5	b 3.0	b 7.5	b 5.3	b 3.4	7.6	6.6	2.3	a 4.8	a 6.4	a 6.0	a 9.8
2	4.8	3.2	7.6	5.8	3.0	8.3	3.6	1.8	4.3	6.5	6.8	11.1
3	5.1	3.4	7.6	6.3	2.6	8.1	2.3	9.6	3.8	6.7	5.6	9.6
4	5.4	3.6	7.5	6.8	2.3	7.8	1.4	1.8	3.9	6.8	5.3	9.1
5	5.7	3.8	14.5	7.4	2.3	8.9	1.3	2.3	4.0	6.9	5.1	6.7
6	5.9	3.8	6.4	8.0	2.4	9.6	1.1	1.4	4.1	7.0	5.0	5.3
7	6.3	3.7	6.0	8.7	2.4	7.0	2.1	1.0	4.1	7.2	4.9	3.9
8	6.5	3.7	5.6	8.0	2.3	7.7	1.8	1.8	4.2	7.3	4.8	2.5
9	6.5	3.6	5.1	8.0	2.2	7.0	1.1	1.1	4.3	7.0	4.7	2.7
10	6.7	3.6	4.6	9.2	2.6	8.3	1.7	1.0	4.4	6.6	4.6	2.9
11	6.9	3.5	4.2	9.2	2.6	7.6	1.4	1.1	4.7	6.3	4.5	3.1
12	7.1	3.5	5.0	34.0	2.4	7.6	1.4	1.1	5.1	6.0	4.4	3.5
13	7.2	b 3.5	5.8	41.0	3.1	12.0	1.4	1.0	5.4	5.7	4.3	3.4
14	7.3	8.6	6.6	24	17.0	4.0	1.4	a 1.0	5.6	5.3	4.2	3.6
15	7.4	6.50	7.4	12	38.1	4.4	1.6	1.0	6.1	5.0	4.1	3.8
16	6.9	10.1	8.2	11	3.8	3.2	1.4	1.0	6.5	5.1	4.0	4.0
17	6.4	3.3	8.9	12	2.3	11.0	1.4	1.1	6.8	5.1	3.9	4.1
18	5.9	2.2	8.3	37.2	3.9	23.5	1.2	1.1	6.8	5.2	3.6	4.2
19	5.4	b 1.0	7.7	4.6	2.0	2.6	1.6	1.1	6.7	5.2	3.7	4.3
20	4.9	9.8	7.1	17.0	1.2	21.6	1.8	1.1	5.7	5.3	3.5	4.3
21	4.4	9.2	6.5	11.0	1.0	5.5	2.0	1.0	6.6	5.3	3.3	4.4
22	3.9	8.6	5.0	2.4	1.1	5.6	2.0	9.9	6.6	5.4	3.1	4.5
23	3.7	8.0	5.6	1.1	1.0	3.5	1.8	9.4	6.5	5.6	3.0	4.6
24	3.5	7.5	5.8	1.3	1.2	1.4	2.0	8.6	6.5	5.8	2.8	4.7
25	3.3	7.0	5.4	2.6	1.2	5.2	1.8	8.3	6.5	5.8	2.8	4.7
26	3.1	7.0	5.3	2.6	1.2	4.0	1.5	7.7	6.5	5.5	2.4	4.8
27	2.9	7.1	5.2	2.2	1.4	3.6	2.2	7.2	6.5	5.3	3.6	4.8
28												



FD-104 (Rev. 12-53)

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

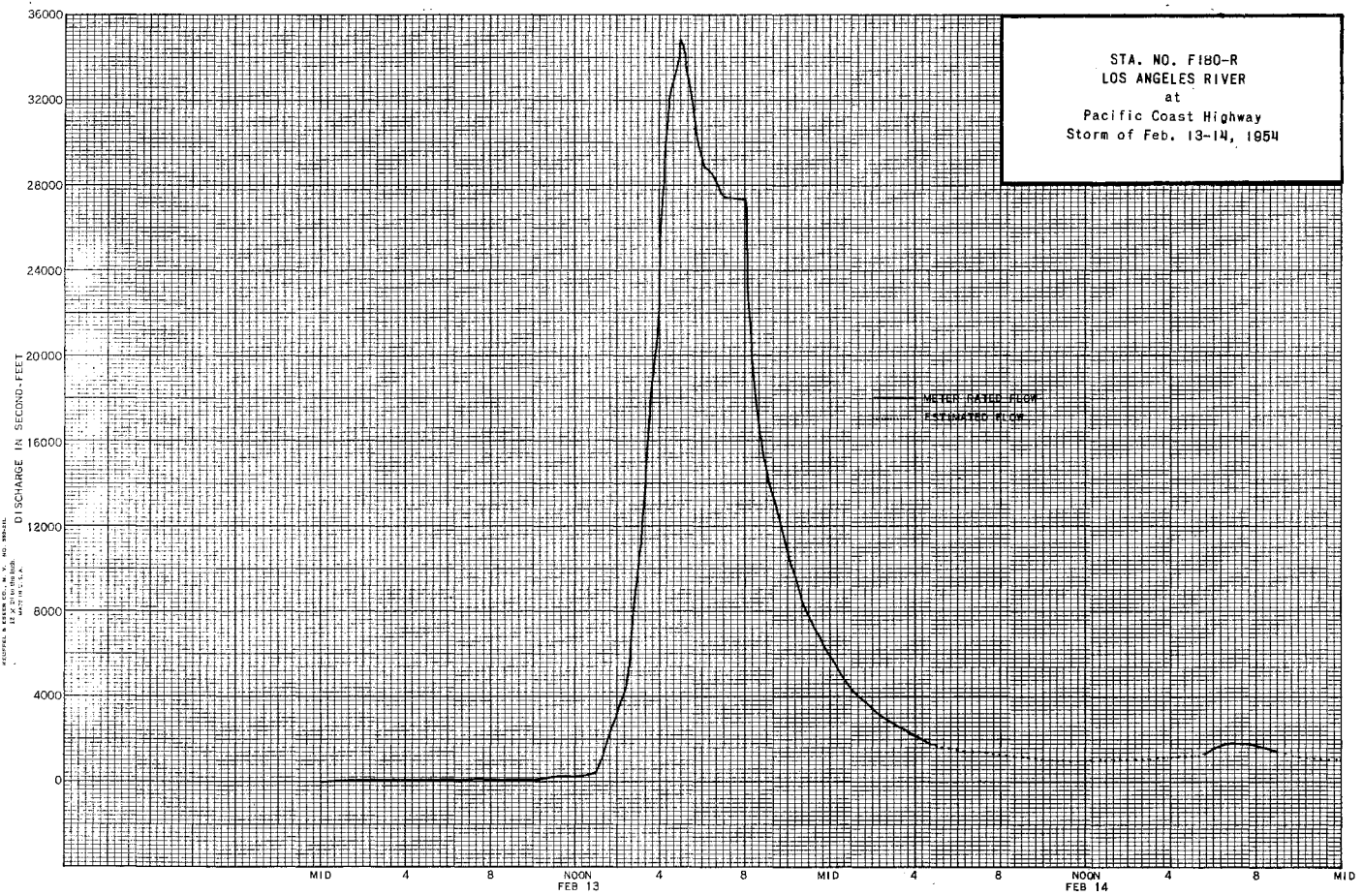
Sta. No. F180-R

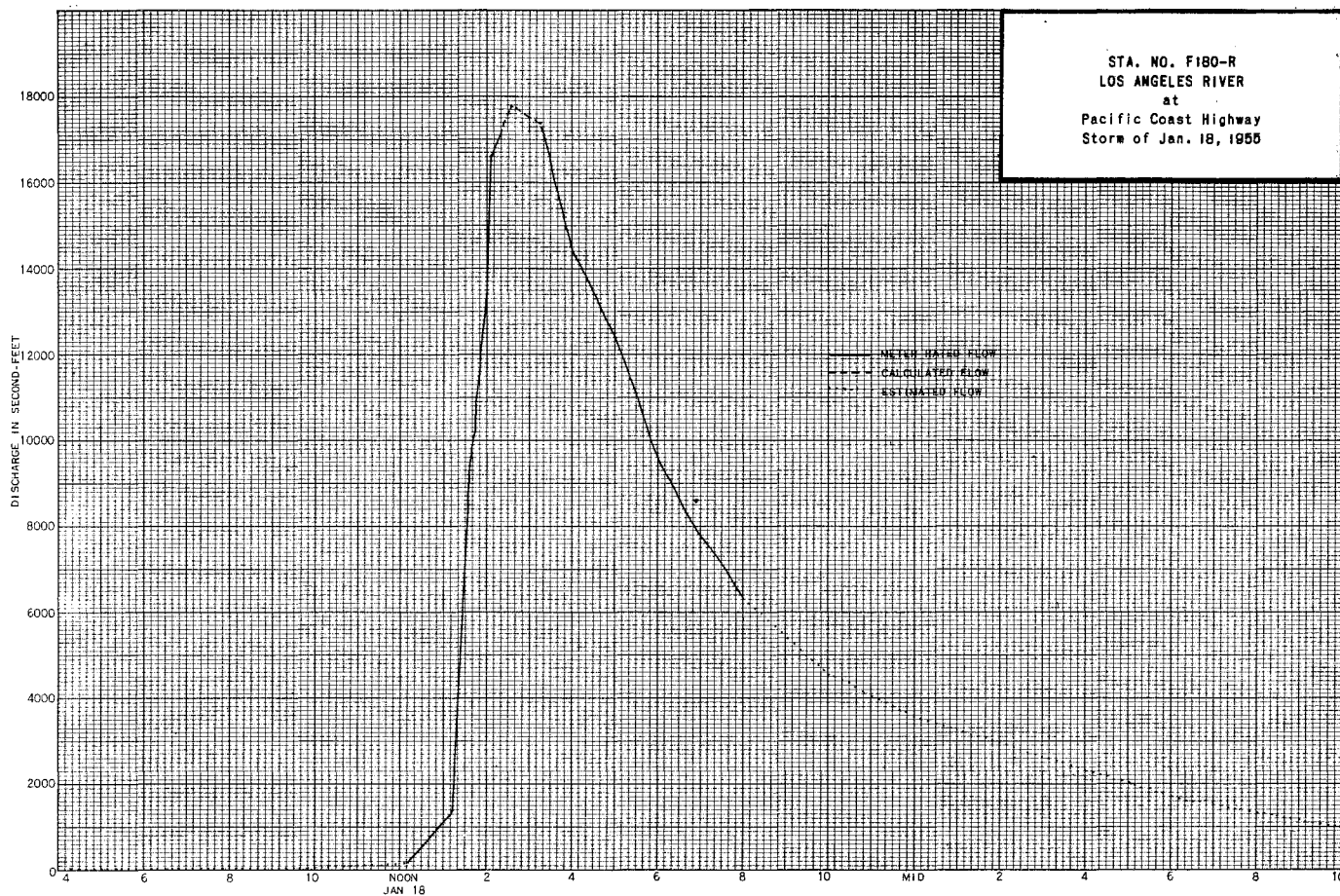
Daily discharge, in second-feet of LOS ANGELES RIVER at Pacific Coast Highway, for the year ending September 30, 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4.9	3.0	7.1	352	25	67	14	1590	6.6	14	19	21
2	4.8	3.1	8.1	546	11	22	13	445	5.9	14	18	21
3	4.7	3.1	13	30	12	11	12	28	6.2	14	18	20
4	4.6	3.2	54.1	60	12	11	12	26	6.6	13	17	20
5	4.5	3.2	3.5	20	12	11	11	24	6.9	13	17	20
6	4.4	3.2	2.5	498	12	12	10	22	7.2	13	17	20
7	4.3	3.2	1.5	402	13	12	8.9	1330	7.5	13	17	19
8	4.5	3.2	1.2	42	13	12	7.9	235	7.9	14	17	19
9	4.8	3.2	1.0	25	13	12	7.0	30	8.2	16	17	19
10	5.0	3.2	11.30	2890	13	16	6.0	20	8.5	17	17	19
11	5.2	1470	4.0	306	13	523	5.1	15	8.7	18	17	19
12	5.4	640	3.3	44	13	210	4.2	10	9.0	19	17	19
13	5.6	3.7	2.7	21	13	85	3.2	11	9.3	21	17	18
14	5.9	3.0	2.0	21	13	26	2.2	11	9.6	22	17	18
15	5.6	3.8	1.4	21	13	7.6	2.9	11	9.8	22	16	18
16	5.3	6.5	7.1	1170	16	48	3.6	12	10	21	16	18
17	5.0	1.8	6.8	188	5.61	55	4.4	12	10	21	16	18
18	4.8	1.0	6.5	4180	10.7	34	5.1	12	11	21	16	19
19	4.5	9.0	6.2	1110	2.4	30	5.8	12	11	21	16	19
20	4.2	7.0	5.9	8.7	1.8	26	5.5	12	11	20	17	20
21	3.9	6.1	5.2	63	1.9	23	7.8	12	11	20	17	20
22	3.7	6.1	5.2	47	14	19	1480	12	11	20	17	20
23	3.6	5.1	4.9	34	11	15	189	11	12	20	17	20
24	3.4	4.1	4.8	26	8.2	11	227	11	12	20	17	20
25	3.3	3.1	4.7	20	8.2	11	14	11	13	21	18	19
26	3.1	2.1	4.6	15	9.8	10	122	11	13	21	18	18
27	3.0	3.1	4.6	11	440	10	37	10	13	21	19	17
28	2.8	4.1	4.5	10	289	17	16	9.5	14	21	19	16
29	2.9	5.1	4.4	10	25	25	15	8.8	14	20	20	16
30	2.9	6.1	4.3	7.6	14	14	1240	8.1	14	20	20	16
31	3.0	4.3	4.3	926	14	14	7.4	7.4	19	21	21	16

133.6	2402.5	2017.4	13251	1811.4	1468	3272.0	3979.8	298.9	570	543	563	
MEAN	4.31	80.1	65.1	427.4	64.7	47.4	109.	128.	9.95	18.4	17.5	16.8
ACRE-FOOT	265.	4770.	4000.	26280.	3590.	2910.	6490.	7890.	593.	1130.	1180.	1120.

Remarks: YEAR OR PERIOD MEAN ACRE-FOOT 83.0 60120.





STATION F279B-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 3.27 FEET, SURVEY OF 1954.

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 TULE 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, 1953 TO MAY 26, 1955.

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 MAY 26, 1955. STATION REMOVED DUE TO CHANNEL CONSTRUCTION; WILL BE REPLACED AT STEARNS STREET.

EXTREMES OF DISCHARGE:

1953-54  
MAXIMUM 2790 SECOND-FEET FEBRUARY 13.  
MINIMUM DRY PART OF SEASON.  
1954-55  
MAXIMUM 2120 SECOND-FEET JANUARY 18.  
MINIMUM DRY PART OF SEASON.  
1949-55  
MAXIMUM 2790 SECOND-FEET FEBRUARY 13, 1954.  
MINIMUM DRY PART OF EACH YEAR.

ACCURACY: GOOD.

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

DISCHARGE MEASUREMENTS OF LOS CERRITOS CHANNEL  
 NEAR Above Anaheim Street DURING THE YEAR ENDING SEPTEMBER 30, 1954

DISCHARGE MEASUREMENTS OF LOS CERRITOS CHANNEL  
 NEAR above Anaheim Street DURING THE YEAR ENDING SEPTEMBER 30, 1954

NO.	DATE	RESIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE CFS.	RAT. INB	METH. ID	MEAN DISCH. NO.	HT. CHARGE TOTAL	METER NO.
82	11-14	1916 1926	BONADIMAN-THOMAS	54.0	141.	2.91	3.07	410.	-6	9	+05	FC19	
83	11-15	1044 1055	" "	49.0	18.9	0.63	0.71	12.0	-5	9	-01	"	
84	1-12	1900 1915	" "	58.0	162.	1.36	2.53	220.	-6	8	+05	"	
85	1-13	1012 1030	THOMAS-BONADIMAN	46.0	15.4	0.50	0.64	7.7	-6	8	0	"	
86	1-14	1504 1508	BONADIMAN	3.0	1.20	0.66	0.32	0.80	-6	4	0	"	
87	1-18	2335 2349	THOMAS-BONADIMAN	52.0	129.	2.07	2.60	267.	-6	9	+09	"	
88	1-19	1014 1020	" "	42.4	75.3	2.10	2.13	158.	-6	6	-07	"	
89	1-20	1453 1507	" "	56.0	25.9	0.67	0.79	17.4	-6	10	-01	"	
90	1-22	1443 1450	THOMAS	4.0	1.64	0.41	0.24	0.67	-5	5	0	"	
91	1-24	1520 1520	THOMAS-BONADIMAN	50.0	100.	1.40	1.80	140.	-6	7	+01	"	
92	1-25	0440 0448	" "	58.0	138.	2.92	2.91	403.	-6	8	-07	"	
93	1-26	1200 1208	BONADIMAN	8.0	2.71	0.88	0.36	2.4	-6	6	0	"	
94	1-28	1350 1354	" "	4.0	1.40	0.31	0.24	0.43	-5	3	0	"	
95	2-13	1835 1847	THOMAS-HETHERMAN	75.0	370.	5.00	6.00	1850.	-6	9	+12	FC51	
96	2-17	1305 1308	BONADIMAN	4.0	0.80	0.99	0.22	0.79	-5	3	0	FC19	
97	3-16	2300 2312	THOMAS-BONADIMAN	50.0	117.	1.57	2.27	184.	-6	7	+05	"	
98	3-18	1517 1523	" "	4.5	2.49	0.80	0.39	2.0	-6	5	0	"	
99	3-20	1005 1020	" "	76.0	416.	4.54	6.26	1890.	-6	10	+15	"	
100	3-21	1306 1316	" "	56.0	21.6	0.53	0.69	11.4	-6	8	0	"	
101	3-24	1118 1126	BONADIMAN	46.0	20.3	0.55	0.75	11.2	-6	8	0	"	
102	3-30	0455 0506	BONADIMAN-THOMAS	59.0	146.	1.38	2.42	202.	-6	9	-04	"	
103	4-22	1432 1434	BONADIMAN	1.5	0.30	0.87	0.22	0.26	-5	3	0	FC19	
104	7-1	1432 1434	" "	1.0	0.20	1.05	0.27	0.21	-5	3	0	"	
105	7-15	1030 1032	" "	1.0	0.17	0.76	0.30	0.13	-5	3	0	"	
106	8-12	"	" "	2.0	0.75	1.16	0.48	0.87	-6	3	0	"	
107	9-8	1500 1522	THOMAS	1.3	0.13	0.23	0.33	0.09	-6	3	0	FC51	
108	9-16	1450 1453	" "	1.0	0.12	0.42	0.35	0.05	SURF	3	0	"	

NO.	DATE	RESIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE CFS.	RAT. INB	METH. ID	MEAN DISCH. NO.	HT. CHARGE TOTAL	METER NO.
109	11-11	0707 0717	THOMAS-BONADIMAN	65.4	225.	3.17	4.04	713.	.6	6	-.23	FC19	
110	11-12	1540 1546	" "	3.0	4.50	0.98	0.96	4.4	SURF	5	0	FLOATS	
111	12-3	2225 2243	" "	38.4	72.2	1.38	0.78	99.4	.6	6	-.02	FC19	
112	12-10	0822 0834	" "	52.0	20.7	1.71	0.78	35.4	.6	7	-.02	"	
113	12-23	1442 1444	BONADIMAN	1.0	0.20	0.30	0.21	0.06	.5	3	0	"	
114	1-1	2142 2155	THOMAS-BONADIMAN	56.5	107.	1.34	1.25	144.	.6	8	-.02	"	
115	1-6	1414 1425	BONADIMAN	49.6	80.0	1.06	0.87	84.9	.6	8	+02	"	
116	1-7	1304 1314	" "	39.0	5.78	0.55	0.37	3.2	SURF	8	0	"	
117	1-10	0945 1000	THOMAS-BONADIMAN	61.0	168.	2.07	2.43	348.	.6	9	-.02	"	
118	1-13	1502 1512	BONADIMAN	CHANNELS			0.30	1.4	.5	8	0	"	
119	1-16	1048 1100	THOMAS-BONADIMAN	62.6	173.	2.13	1.70	368.	.6	9	+05	"	
120	1-17	1420 1430	" "	37.0	5.82	0.58	0.37	3.4	SURF	7	0	"	
121	1-18	1725 1735	" "	60.0	165.	2.51	1.89	414.	.6	7	-.08	"	
122	1-20	1516 1520	BONADIMAN	32.0	4.00	0.60	0.32	2.4	FLOATS	6	0	"	
123	1-31	1452 1500	THOMAS-BONADIMAN	42.0	13.3	1.33	0.58	17.7	.5	7	0	FC19	
124	2-3	1336 1339	BONADIMAN	12.0	4.00	0.25	0.24	1.0	FLOATS	4	0	"	
125	2-17	0706 0720	THOMAS-BONADIMAN	56.0	34.2	2.71	0.99	92.7	.6	9	-.02	FC19	
126	2-27	1550 1600	" "	58.0	36.0	2.66	1.03	95.7	.6	8	+02	"	
127	3-11	0950 1000	" "	46.5	14.9	1.20	0.58	17.9	.6	10	0	"	
128	4-22	0420 0430	" "	74.8	246.	2.77	2.19	681.	.6	7	-.02	"	
129	4-23	1408 1412	BONADIMAN	30.0	2.60	0.62	0.34	1.6	FLOATS	4	0	"	
130	4-30	2030 2038	BONADIMAN-THOMAS	61.8	133.	1.83	1.44	244.	.6	8	-.05	FC19	
131	5-2	1122 1132	BONADIMAN	22.0	11.2	0.50	0.36	5.6	.6	7	0	"	
132	5-7	0852 0902	BONADIMAN	49.3	107.	0.84	1.04	89.6	.6	9	-.04	FC19	

FORM 6 12-53

LOS ANGELES COUNTY  
 FLOOD CONTROL DISTRICT  
 HYDRAULIC DIVISION

Sta. No. F2798-R

Daily discharge, in second-feet of LOS CERRITOS CHANNEL above Anaheim Street for the year ending September 30, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0.3	1.0	0.3	0.1	0.1	0	+
2	0	0	0	0	0	0.3	0.3	0.3	0.1	0.1	0.3	
3	0	0	0	0	0	0.2	0.3	0.2	0.1	0.1	0.3	
4	0	0	0	0	0	0.1	0	0.2	0.2	0.1	0.2	
5	0	0	0	0	0	0	0	0.2	0.2	0.1	0.2	
6	0	0	0	0	0	0.2	0	0.1	0.2	0.1	0.1	
7	0	0	0	0	0	0.2	0	0.1	0.2	0.1	0.1	
8	0	0	0	0	0	0.2	0	0.1	0.2	0.1	0.1	
9	0	0	0	0	0	0.2	0.1	+	0.2	0.3	0.1	
10	0	0	0	0	0	0.2	0.1	0	0.1	0.4	0.1	
11	0	0	0	1.0	0	0.2	0.1	0	0.1	0.3	0.1	
12	0	0	0	6.7	0	0.1	0.1	0	0.1	0.3	0.4	
13	0	0	0	10	7.9	0.2	0.2	0	0.2	0.3	+	
14	0	0	0	1.3	3.4	0.1	0.2	0	0.2	0.3		
15	0	2.1	0	0	3.4	0.1	0.2	0	0.2	0.3		
16	0	1.0	0	0.5	0.4	0.2	0.2	0	0.3	0.3		
17	0	0.2	0	0.5	0.9	5.9	0.2	0	0.3	0.3		
18	0	0	0	20.5	4.7	3.5	0.2	0	0.3	0.3		
19	0	0	0	36.7	0.5	0.4	0.2	0	0.3	0.4		
20	0	0	0	6.3	0.3	4.8	0.3	0	0.3	0.3		
21	0	0	0	1.6	0.3	1.7	0.3	0	0.2	0.3		
22	0	0	0	0.9	0.2	5.3	0.3	0	0.4	0.3		
23	0	0	0	0.6	0.1	2.6	0.3	0	0.2	0.2		
24	0	0	0	13.3	0.1	3.1	0.3	0	0.1	0.2		
25	0	0	0	16.7	0.2	2.2	0.3	0	0.1	0.2	+	
26	0	0	0	3.2	0.3	1.0	0.3	0	0.1	0.2	0	
27	0	0	0	1.0	0.2	0.1	0.4	0	0.1	0.2	0	
28	0	0	0	0.3	0.2	6.8	0.5	0	0.1	0.1	0	
29	0	0	0	0.3	0.2	0.1	0.5	0	0.1	+	0	
30	0	0	0	0.3	0.2	11.3	0.5	0	0.1	+	0	
31	0	0	0	+	0.3	3.0	0	0	0.1	+	0	
0		129.2	0	1025.5	891.4	879.7	8.5	1.5	5.4	6.3	1.8	+

MEAN DISCH. ACRES-FEET	0	4.31	0	33.1	31.8	28.4	0.28	0.05	0.18	0.20	0.06	+
REMARKS	+ = 0.05 cfs or less											
YEAR OR PERIOD	MEAN 8.08 5850.											

Form C-13-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F2798-R

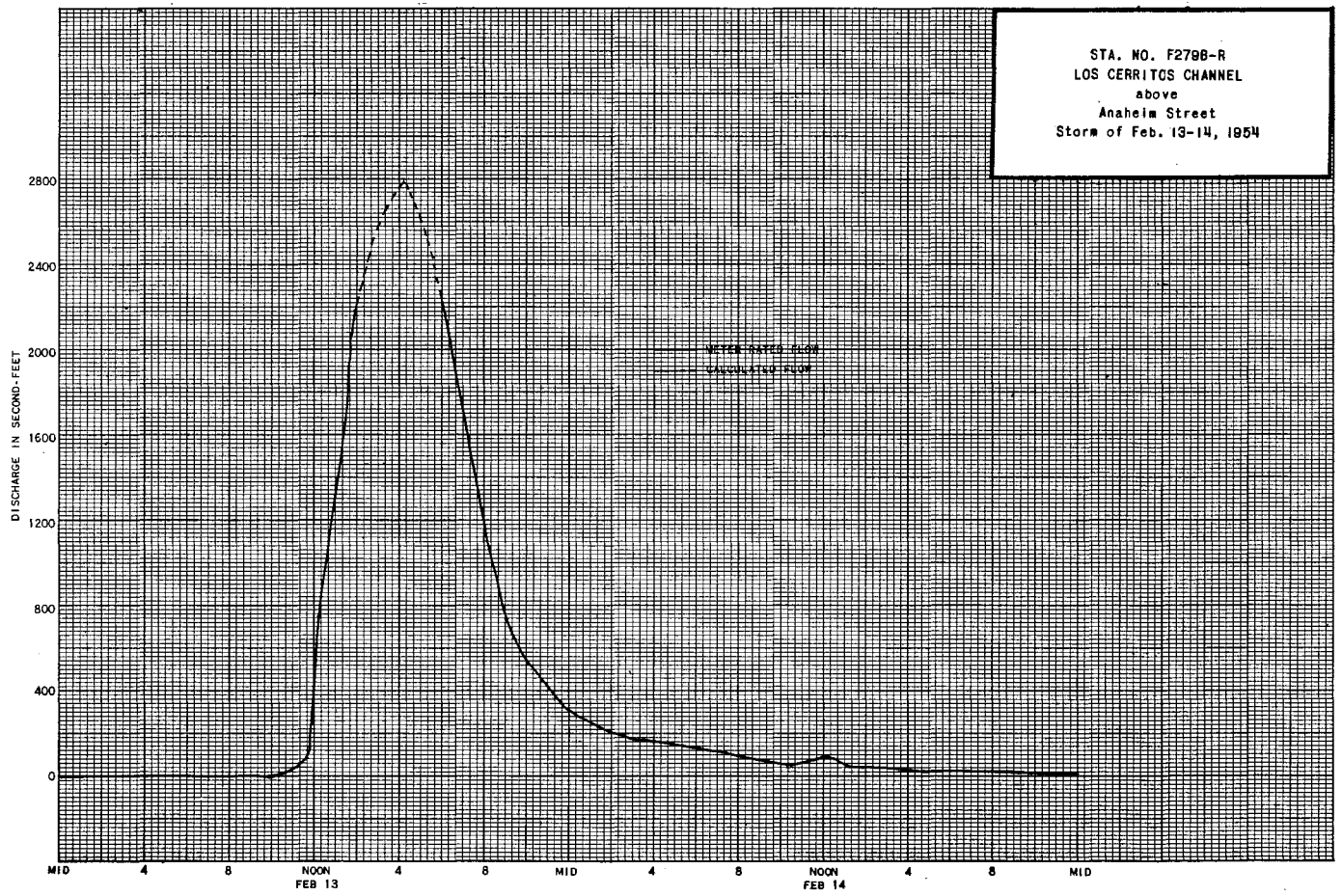
Daily Discharge, in second-foot of LOS CERRITOS CHANNEL above Anaheim Street for the year ending September 30, 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	e 0.1	0	e 0.1	12.9	3.22	e 0.1	+	6.9	0.0	0.0	0.0	e 0.0
2	0.1	0	e 0.1	15	3.0	0.1	+	20.5	0.0	0.0	0.0	0.0
3	0.1	0	17	2.5	1.0	0.1	+	5	0.0	0.0	0.0	0.0
4	0.1	0	4.9	0.1	0.8	0.1	0.1	+	0.0	0.0	0.0	0.0
5	0.1	0	2.1	0.1	0.8	0.1	0.1	+	0.0	0.0	0.0	0.0
6	0.1	0	e 0.1	3.7	0.7	0	0.1	0.0	0.0	0.0	0.0	0.0
7	0.1	0	e 0.1	7.4	0.5	0	0.1	3.9	0.0	0.0	0.0	0.0
8	0.1	0	e 0.1	1.4	0.4	0	0.1	2.5	0.0	0.0	0.0	0.0
9	e 0.1	0	4.4	0.1	0.3	e 0.1	0.1	0.5	0.0	0.0	0.0	+
10	0	4.7	13.1	28.3	e 0.2	0.2	+	0.1	0.0	0.0	0.0	+
11	0	3.2	1.4	12	0.22	1.3	+	0.1	0.0	0.0	0.0	0.0
12	0	3.0	e 0.1	2.5	0.22	0.9	+	0.1	0.0	0.0	0.0	0.0
13	0	0.3	e 0.1	2.1	0.1	0.2	+	1.1	0.0	0.0	0.0	0.0
14	0	0.3	e 0.1	1.7	0.1	0.1	+	1.1	0.0	0.0	0.0	0.0
15	0	0.2	e 0.1	2.1	0.1	0	+	1.1	0.0	0.0	0.0	e 0.0
16	0	2.4	0.1	9.7	1.0	0	+	0.0	0.0	0.0	0.0	0.0
17	0	1.2	0.1	8.7	4.4	0	+	0.0	0.0	0.0	0.0	0.0
18	0	e +	0.1	32.4	1.2	0	+	0.0	0.0	0.0	0.0	0.0
19	0	+	0.1	2.6	+	0	+	0.0	0.0	0.0	0.0	0.0
20	0	+	0.1	4.3	0	0	+	0.0	0.0	0.0	0.0	+
21	0	+	0.1	2.8	0	+	2.1	0.0	0.0	0.0	0.0	0.0
22	0	0.1	0.1	2.5	0	+	2.8	0.0	0.0	0.0	0.0	0.0
23	0	0.1	0.1	0.1	0	+	2.8	0.0	0.0	0.0	0.0	0.0
24	0	0.1	0.1	0.1	0	0.2	2.8	0.0	0.0	0.0	0.0	0.0
25	0	0.1	0.1	0.1	0	0.2	2.8	0.0	0.0	0.0	0.0	0.0
26	0	0.1	0.1	0.1	5.8	0.8	1.0	0.0	0.0	0.0	0.0	0.0
27	0	0.1	0.1	0.1	2.9	0.2	2.8	0.0	0.0	0.0	0.0	0.0
28	0	0.1	0.1	0.1	5.7	0.1	0.2	0.0	0.0	0.0	0.0	0.0
29	0	0.1	0.1	0.1	0.1	+	0.2	0.0	0.0	0.0	0.0	0.0
30	0	0.1	0.1	3.9	+	+	1.0	0.0	0.0	0.0	0.0	e 0.0
31	0	0.1	0.1	5.3	+	+	0.4	0.0	0.0	0.0	0.0	0.0

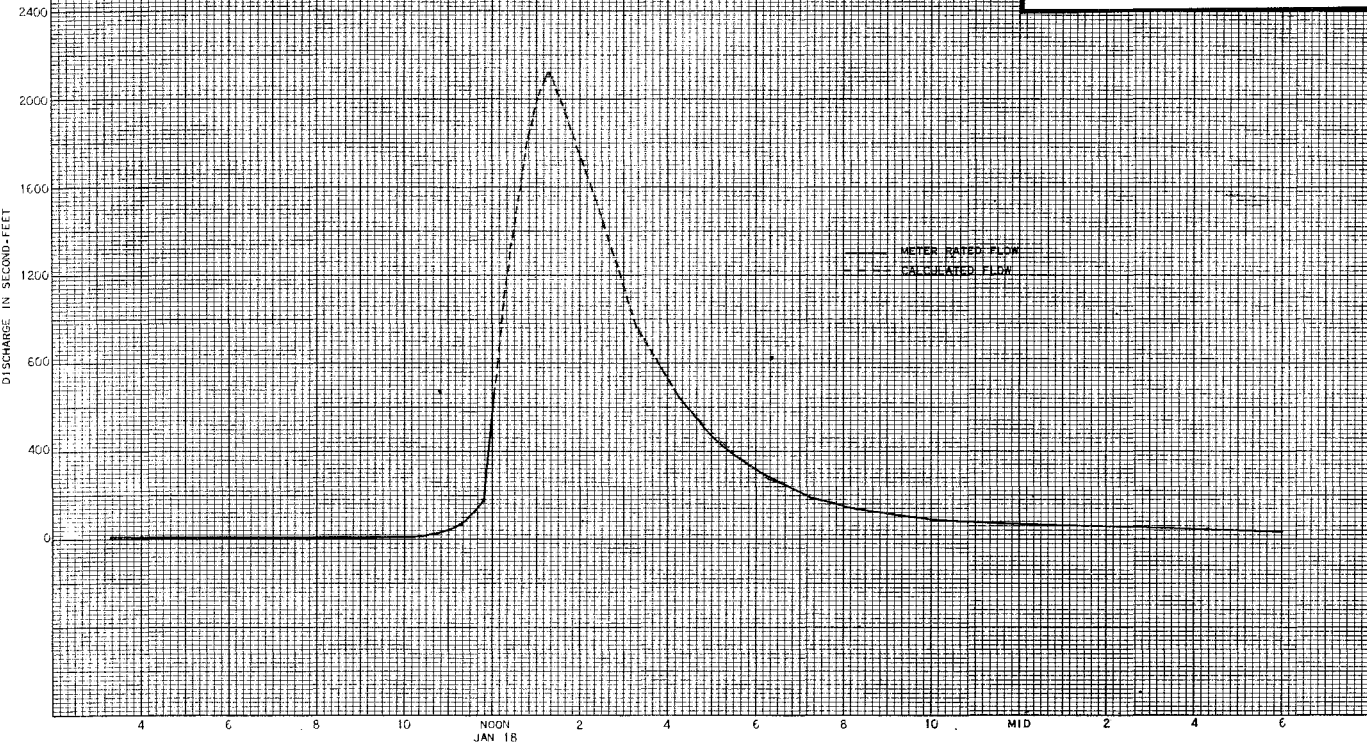
0.8	402.8	247.7	1054.0	107.5	17.2	325.5	114.3	0	0	0	+
MEAN	.003	13.4	7.99	34.0	3.84	0.55	10.8	3.68	0	0	+
AREA	0.2	799.	491.	2090.	213.	34.	646.	227.	0	0	+

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 6.21  
ACRIS-FEET 4500.



F279B-R  
 LOS CERRITOS CHANNEL  
 above  
 Anaheim Street  
 Storm of Jan. 18, 1955



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. ARTIFICIAL CONTROL BELOW STATION INSTALLED JULY 1954.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM CABLE CAR 5 FEET BELOW GAGE.

RECORDER: REINSTALLED NOVEMBER 16, 1954 OVER A 2.5 X 3.0 FEET CONCRETE STILLING WELL. AN AU CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1953 TO NOVEMBER 16, 1954. A STEVENS A35B RECORDER WAS IN SERVICE FROM NOVEMBER 16, 1954 TO SEPTEMBER 30, 1955.

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, 1955.

EXTREMES OF DISCHARGE:

1953-54  
 MAXIMUM 2250 SECOND-FOOT FEBRUARY 13.  
 MINIMUM 0.1 SECOND-FOOT IN OCTOBER, AUGUST AND SEPTEMBER.  
 1954-55  
 MAXIMUM 45 SECOND-FOOT JANUARY 16.  
 MINIMUM LESS THAN 0.1 SECOND-FOOT IN SEPTEMBER  
 1931-55  
 MAXIMUM 13560 SECOND-FOOT MARCH 15, 1952.  
 MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: FAIR.

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

DISCHARGE MEASUREMENTS OF MALIBU CREEK

AT Crater Camp DURING THE YEAR ENDING SEPTEMBER 30, 1954

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT-PER-SEC.	GAUGE HEIGHT FEET	DISCHARGE CUB. FT.	RAT- ING	METH- OD	MEAN SEC. NO.	DI- RECT TOTAL	METER NO.
651	10-1	1500 1305	BOLLINGER	0.8	0.13	0.77	NO COM.	0.10	FLOATS	3			
652	10-15	1540 1345	MOON	0.8	0.16	0.75	"	0.12	"	3		FC48	
653	10-22	1430 1435	"	1.0	0.12	0.83	"	0.10	"	3		"	
654	10-30	1405 1410	"	1.2	0.24	0.88	"	0.21	"	3		"	
655	11-5	1705 1710	"	1.0	0.18	1.00	"	0.18	"	3		"	
656	11-10	1130 1133	"	1.0	0.20	0.95	"	0.19	"	3		"	
657	11-15	1245 1250	"	1.5	0.30	0.93	"	0.28	"	3		"	
658	11-19	1520 1525	"	1.5	0.27	0.93	"	0.25	"	3		"	
659	11-25	1405 1408	"	1.5	0.29	0.86	"	0.25	"	3		"	
660	12-3	1612 1614	"	1.0	0.18	1.28	"	0.23	"	3		"	
661	12-17	1405 1407	"	1.8	0.16	1.12	"	0.18	"	3		FC29	
662	12-23	1450 1455	"	1.0	0.20	0.70	"	0.14	"	3		FC48	
663	12-31	1350 1353	"	1.2	0.12	1.25	"	0.15	"	3		"	
664	1-7	1600 1602	"	1.4	0.19	1.00	"	0.19	"	3		"	
665	1-14	1500 1502	"	1.2	0.20	1.00	3.78	0.20	"	3	0	"	
666	1-19	1280 1282	"	1.8	0.18	1.50	3.83	0.27	"	3	0	FC29	

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	MEAN SEC. NO.	SL. HT. CHANGE TOTAL	METER NO.
667	1-21	1412 1417	"	1.8	0.26	1.62	3.88	0.42	-5	3	0	"	"
668	1-24	1636 1645	HYDE-OCAMPO	4.8	1.62	1.30	NO COM.	2.1	-5	6	0	FC35	"
669	1-27	1237 1237	MOON-HYDE	4.8	1.30	1.08	3.93	1.4	-5	10	0	FC29	"
670	1-28	1440 1452	MOON	4.8	1.10	0.91	3.89	1.0	-5	9	0	"	"
671	2-4	1350 1400	"	4.0	0.74	0.73	3.84	0.54	-5	9	0	"	"
672	2-11	1355 1359	MOON-SPELLMAN	4.1	0.78	0.77	NO COM.	0.60	-5	10	0	FC48	"
673	2-14	1207 1222	"	44.0	75.5	2.90	5.15	219.	-6	12	-02	FC29	"
674	2-15	1458 1503	"	26.0	29.4	1.67	4.14	49.2	-6	14	0	"	"
675	2-19	1042 1054	MOON	26.0	16.3	0.75		12.3	-5	13	0	FC29	"
676	2-25	1412 1440	SPELLMAN-HYDE	22.0	15.1	0.47	3.97	7.1	-5	16	0	FC35	"
677	3-4	1510 1520	MOON	6.5	2.43	1.73	3.91	4.2	-6	9	0	FC29	"
678	3-11	1535 1545	"	6.0	1.99	1.76	3.81	3.5	-6	8	0	FC48	"
679	3-16	2150 2160	MOON-SPELLMAN	24.0	23.6	1.15	4.19	27.1	-6	8	-02	FC29	"
680	3-18	1328 1340	MOON	9.0	3.64	2.50	3.95	9.1	-5	11	0	"	"
681	3-20	0845 0853	MOON-SPELLMAN	37.0	50.4	2.36	4.75	119.	-6	10	+05	"	"
682	3-22	1150 1205	SPELLMAN+MOON	24.0	22.8	1.70	4.22	38.7	-6	12	0	"	"
683	3-25	1052 1112	MOON	28.0	20.7	1.02	4.09	21.1	-6	15	0	"	"
684	3-30	0300 0318	MOON-SPELLMAN	51.0	64.0	3.98	5.40	255.	-6	9	+15	"	"
685	3-30	1510 1520	"	42.0	57.7	2.53	4.86	146.	-6	12	0	"	"
686	3-31	1352 1352	"	38.0	37.9	1.90	4.47	72.0	-6	12	0	"	"
687	4-8	1205 1230	MOON	27.0	17.8	0.89	4.05	15.8	-6	17	0	"	"
688	4-15	1440 1455	"	10.5	5.48	2.01	3.95	11.0	-5	13	0	"	"
689	4-22	1455 1510	"	10.0	4.20	1.71	3.91	7.2	-5	11	0	"	"
690	4-29	1415 1425	"	10.0	4.30	1.49	3.93	6.4	-5	11	0	"	"
691	5-6	1430 1443	HYDE	11.0	5.93	0.46	3.82	2.7	-5	6	7	FC35	"
692	5-13	1510 1520	MOON	9.0	4.20	1.45	3.94	6.1	-5	10	0	FC29	"
693	5-20	1503 1518	HYDE	8.5	2.93	0.82	3.78	2.4	-5	11	0	FC35	"
694	5-27	1348 1358	HYDE-BRILL	8.5	2.63	0.76	3.75	2.0	-5	8	0	"	"
695	6-3	1539 1557	MOON-LINDSAY	5.0	1.30	1.31	3.73	1.7	-5	6	0	FC29	"
696	6-10	1535 1542	MOON	4.5	1.02	1.47	3.69	1.5	-6	6	0	"	"
697	6-16	1485 1505	"	4.0	0.81	1.73	3.63	1.4	-8	9	0	FC48	"
698	6-23	1510 1520	"	3.7	0.75	1.47	3.57	1.1	-5	9	0	"	"
699	6-30	1610 1618	MOON	4.0	0.75	1.33	NO COM.	1.0	-5	9	0	FC48	"
700	7-8	1530 1540	"	2.7	0.43	1.12	"	0.48	-5	7	0	"	"
701	7-15	1505 1505	"	2.5	0.36	0.86	"	0.31	-5	6	0	"	"
702	7-22	1440 1448	"	2.5	0.29	0.90	"	0.26	-5	6	0	"	"
703	7-29	1630 1638	"	1.5	0.18	1.22	"	0.22	-5	3	0	"	"
704	8-5	1430 1435	"	2.0	0.17	0.71	"	0.12	-5	5	0	"	"
705	8-12	1605 1607	"	2.0	0.12	1.08	"	0.13	-5	3	0	FC29	"
706	8-19	1490 1408	HYDE	2.3	0.30	0.63	"	0.19	-5	6	0	FC48	"
707	8-26	1500 1505	MOON	1.0	0.11	0.91	"	0.10	-5	5	0	"	"
708	9-2	1025 1030	"	1.4	0.19	0.79	1.61	0.15	-5	5	0	"	"
709	9-8	1530 1535	"	1.0	0.09	0.89	1.61	0.08	-5	5	0	"	"
710	9-16	1500 1505	"	1.2	0.13	1.00	1.64	0.13	-5	5	0	"	"
711	9-23	1635 1638	"	1.5	0.12	0.91	1.63	0.11	-5	3	0	"	"
712	9-30	1540 1542	"	1.5	0.11	1.00	1.65	0.11	-5	3	0	"	"
721	11-24	1410 1413	"	1.6	0.19	0.53	1.66	0.10	-5	3	0	"	"
722	12-2	1455 1435	"	2.0	0.27	0.37	1.64	0.10	-5	7	0	"	"
723	12-9	1430 1433	"	1.5	0.08	1.62	1.66	0.13	-5	3	0	"	"
724	12-15	1030 1040	"	1.8	0.21	0.62	1.65	0.13	-5	7	0	"	"
725	12-22	1345 1362	"	1.8	0.21	0.52	1.65	0.11	-5	7	0	"	"
726	12-30	1420 1427	"	1.8	0.19	0.68	1.64	0.13	-5	7	0	"	"
727	1-6	1110 1120	MOON-THOMAS	1.8	0.21	0.52	1.63	0.11	-5	7	0	"	"
728	1-10	0750 0730	SPELLMAN-MOON	7.0	5.33	2.16	2.08	11.5	-6	7	-02	FC29	"
729	1-14	1410 1420	MOON	1.9	0.56	1.07	1.67	0.60	-5	7	0	FC48	"
730	1-16	1642 1652	SPELLMAN-HYDE	9.5	1.48	0.58	1.70	0.86	-5	11	0	FC35	"
731	1-18	1325 1332	"	30.0	28.5	1.35	2.52	38.4	-6	10	+05	FC29	"
732	1-19	1420 1425	MOON-SPELLMAN	10.0	5.03	1.93	2.02	9.7	-6	11	0	"	"
733	1-27	1550 1450	MOON	8.0	2.80	0.68	1.76	1.9	-5	9	0	"	"
734	2-3	1440 1452	"	8.0	2.04	0.83	1.77	1.7	-5	10	0	FC48	"
735	2-10	1425 1435	"	6.5	1.95	0.82	1.73	1.6	-5	8	0	"	"
736	2-17	1330 1340	"	7.0	2.46	0.93	1.83	2.3	-5	9	0	FC29	"
737	2-23	1448 1457	"	7.2	2.11	0.66	1.75	1.4	-5	9	0	FC48	"
738	2-27	1311 1319	SPELLMAN-MOON	7.2	2.59	1.04	1.83	2.7	-5	9	0	"	"
739	3-3	1440 1450	MOON	6.5	2.16	0.70	1.79	1.5	-5	8	0	"	"
740	3-10	1315 1325	"	6.5	2.26	0.62	1.82	1.4	-5	8	0	"	"
741	3-11	1405 1415	"	8.0	3.30	0.97	1.91	3.2	-5	9	0	FC29	"
742	3-16	1600 1610	"	7.5	2.50	0.68	1.84	1.7	-5	9	0	FC48	"
743	3-24	1345 1355	"	7.0	2.36	0.64	1.83	1.5	-5	9	0	"	"
744	3-31	1000 1010	"	7.0	2.09	0.62	1.81	1.3	-5	8	0	FC23	"
745	4-7	1410 1420	"	6.5	2.15	0.56	1.81	1.2	-5	9	0	"	"
746	4-14	1420 1430	"	6.5	1.95	0.51	1.81	1.0	-5	9	0	"	"
747	4-21	1200 1210	"	6.0	1.88	0.59	1.81	1.1	-5	8	0	FC48	"
748	4-22	0150 0202	SPELLMAN-MOON	7.0	3.55	1.38	2.00	4.9	-6	8	0	FC29	"
749	4-22	0929 0940	"	10.0	3.83	0.94	1.93	3.6	-5	11	0	"	"
750	4-28	1520 1530	MOON	6.5	1.83	0.60	1.80	1.1	-5	9	0	FC48	"
751	4-30	2325 2350	HYDE-OCAMPO	14.0	5.06	1.94	2.13	9.8	-5	9	0	FC35	"
752	5-1	1125 1145	"	16.0	6.11	2.39	2.19	14.6	-5	13	+01	"	"
753	5-2	1500 1510	MOON	9.0	5.00	1.56	2.01	7.8	-6	10	0	FC29	"
754	5-5	1325 1352	GODFREY-MOON	8.5	3.69	0.81	1.89	3.0	-5	16	0	FC48	"
755	5-7	1405 1405	GODFREY-DE MARS	9.0	4.04	0.96	1.94	3.9	-5	8	0	FC28	"
756	5-12	1348 1358	MOON	7.5	3.62	0.99	1.93	3.6	-6	9	0	FC29	"
757	5-19	1400 1410	WHISLER	8.0	2.72	0.66	1.84	1.8	-6	9	0	FC48	"
758	5-26	1408 1418	WHISLER-MOON	8.5	3.03	0.50	1.86	1.5	-5	10	0	"	"
759	6-2	1435 1445	MOON	8.0	2.45	0.53	1.78	1.5	-5	10	0	"	"
760	6-9	1345 1355	"	8.0	2.84	0.49	1.79	1.4	-5	9	0	"	"
761	6-16	1430 1442	"	8.0	2.73	0.44	1.75	1.2	-5	9	0	"	"
762	6-23	1415 1425	"	6.5	2.08	0.32	1.72	0.67	-5	8	0	"	"
763	6-30	1455 1514	"	6.5	1.98	0.36	1.75	0.72	-5	8	0	"	"
764	7-7	1530 1537	HYDE	8.0	2.17	0.23	1.74	0.50	-5	8	0	"	"
765	7-14	1430 1430	"	2.6	0.92	0.40	1.73	0.38	-5	6	0	"	"
766	7-19	1350 1400	HYDE-DE MARS	2.5	0.44	0.80	1.65	0.35	-5	6	-02	"	"
767	7-21	1406 1414	HYDE	3.0	0.51	0.41	1.63	0.21	-5	6	0	"	"
768	7-28	1418 1425	MOON	3.0	0.51	0.51	1.64	0.26	-5	7	0	"	"
769	8-4	1402 1412	"	3.5	0.58	0.43	1.64	0.25	-5	8	0	"	"
770	8-11	1308 1314	HYDE	3.6	0.57	0.44	1.67	0.25	-5	5	0	"	"
771	8-8	1428 1434	HYDE	3.5	0.56	0.21	1.70	0.12	-5	5	0	"	"
772	8-25	1300 1308	"	2.8	0.49	0.31	1.72	0.15	-5	7	0	"	"
773	9-1	1506 1515	DE MARS-HYDE	2.8	0.46	0.30	1.69	0.14	-5	7	0	"	"
774	9-8	1355 1410	DE MARS	2.8	0.45	0.27	1.64	0.12	-5	7	0	"	"
775	9-15	1552 1602	DE MARS-HOLLERON	2.8	0.49	0.27	1.64	0.13	-5	7	0	"	"
776	9-22	1511 1518	DE MARS	2.8	0.53	0.19	1.65	0.10	-5	7	0	"	"
777	9-29	1396 1398	DE MARS-LINDSAY	2.7	0.51	0.16	1.64	0.08	-5	7	0	"	"

DISCHARGE MEASUREMENTS OF MALIBU CREEK  
AT NEAR Crater Camp DURING THE YEAR ENDING SEPTEMBER 30, 1955.

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.
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FD-304 (6-12-53)

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, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	b 0.1	b 0.1	b 0.2	b 0.1	0.6	6.1	5.4	6.0	1.7	a 0.2	a 0.1	a 0.1
2	b 0.1	b 0.1	b 0.2	b 0.1	0.6	7.1	4.2	6.1	1.7	a 0.2	a 0.1	a 0.1
3	b 0.1	b 0.1	b 0.2	b 0.1	0.6	6.6	3.2	4.7	1.7	a 0.2	a 0.1	a 0.1
4	b 0.1	b 0.1	b 0.2	b 0.1	0.6	4.2	2.8	4.2	1.7	a 0.2	a 0.1	a 0.1
5	b 0.1	b 0.1	b 0.2	b 0.1	0.6	4.1	2.4	3.8	1.4	a 0.2	a 0.1	a 0.1
6	b 0.1	b 0.1	b 0.2	b 0.1	0.6	4.0	2.1	3.5	1.7	a 0.2	a 0.1	a 0.1
7	b 0.1	b 0.1	b 0.2	b 0.1	0.6	3.3	1.8	3.5	1.5	a 0.2	a 0.1	a 0.1
8	b 0.1	b 0.1	b 0.2	b 0.1	0.6	3.8	1.6	3.7	1.4	a 0.2	a 0.1	a 0.1
9	b 0.1	b 0.1	b 0.2	b 0.1	0.6	3.7	1.5	4.7	1.4	a 0.2	a 0.1	a 0.1
10	b 0.1	b 0.1	b 0.2	b 0.1	0.6	3.6	1.5	4.4	1.4	a 0.2	a 0.1	a 0.1
11	b 0.1	b 0.2	b 0.2	b 0.2	0.6	3.5	1.4	4.2	1.4	a 0.2	a 0.1	a 0.1
12	b 0.1	b 0.2	b 0.2	b 0.2	0.6	3.3	1.4	5.7	1.4	a 0.2	a 0.1	a 0.1
13	b 0.1	b 0.2	b 0.2	b 0.2	0.6	2.7	1.4	6.6	1.4	a 0.2	a 0.1	a 0.1
14	b 0.1	b 0.3	b 0.2	b 0.2	0.6	2.2	1.3	4.7	1.4	a 0.2	a 0.1	a 0.1
15	b 0.1	b 0.3	b 0.2	b 0.2	0.6	1.7	1.0	4.2	1.4	a 0.2	a 0.1	a 0.1
16	b 0.1	b 0.3	b 0.2	b 0.2	0.6	9.9	5.6	3.6	1.4	a 0.2	a 0.1	a 0.1
17	b 0.1	b 0.3	b 0.2	b 0.2	0.6	2.1	2.0	4.2	1.4	a 0.2	a 0.1	a 0.1
18	b 0.1	b 0.3	b 0.2	b 0.2	0.6	1.9	1.0	6.1	1.3	a 0.2	a 0.1	a 0.1
19	b 0.1	b 0.3	b 0.2	b 0.2	0.6	1.2	8.0	6.6	2.6	a 0.2	a 0.1	a 0.1
20	b 0.1	b 0.3	b 0.2	b 0.2	0.6	3.0	1.1	2.5	1.2	a 0.2	a 0.1	a 0.1
21	b 0.1	b 0.3	b 0.2	b 0.2	0.6	3.4	1.1	2.5	1.2	a 0.2	a 0.1	a 0.1
22	b 0.1	b 0.2	b 0.1	b 0.2	0.6	9.4	4.9	8.5	2.0	a 0.2	a 0.1	a 0.1
23	b 0.1	b 0.2	b 0.1	b 0.2	0.6	8.7	3.6	9.4	2.0	a 0.2	a 0.1	a 0.1
24	b 0.1	b 0.2	b 0.1	b 0.2	0.6	7.9	2.6	9.4	2.0	a 0.2	a 0.1	a 0.1
25	b 0.1	b 0.2	b 0.1	b 0.2	0.6	2.7	7.1	2.0	8.3	a 0.2	a 0.1	a 0.1
26	b 0.1	b 0.2	b 0.1	b 0.2	0.6	2.0	7.1	1.9	8.2	a 0.2	a 0.1	a 0.1
27	b 0.1	b 0.2	b 0.1	b 0.2	0.6	1.4	6.1	1.7	8.1	a 0.2	a 0.1	a 0.1
28	b 0.1	b 0.2	b 0.1	b 0.2	0.6	1.1	5.6	1.5	8.1	a 0.2	a 0.1	a 0.1
29	b 0.1	b 0.2	b 0.1	b 0.2	0.6	0.9	5.6	1.5	8.0	a 0.2	a 0.1	a 0.1
30	b 0.1	b 0.2	b 0.1	b 0.2	0.6	0.8	5.6	1.5	8.0	a 0.2	a 0.1	a 0.1
31	b 0.1	b 0.2	b 0.1	b 0.2	0.6	0.6	5.6	1.5	8.0	a 0.2	a 0.1	a 0.1
	3.6	6.4	5.1	38.1	109.5	707.4	443.0	108.3	40.2	12.5	3.2	3.0

MEAN	0.12	0.21	0.16	2.84	39.1	22.8	14.8	3.49	1.34	0.40	0.10	0.10
ACRE-FOOT	7.1	13.	10.	175.	2170.	1400.	879.	215.	80.	25.	6.3	6.0
Remarks:												
	YEAR MEAN 6.89											
	OR PERIOD ACRES-FOOT 4990.											

FD-304 (6-12-53)

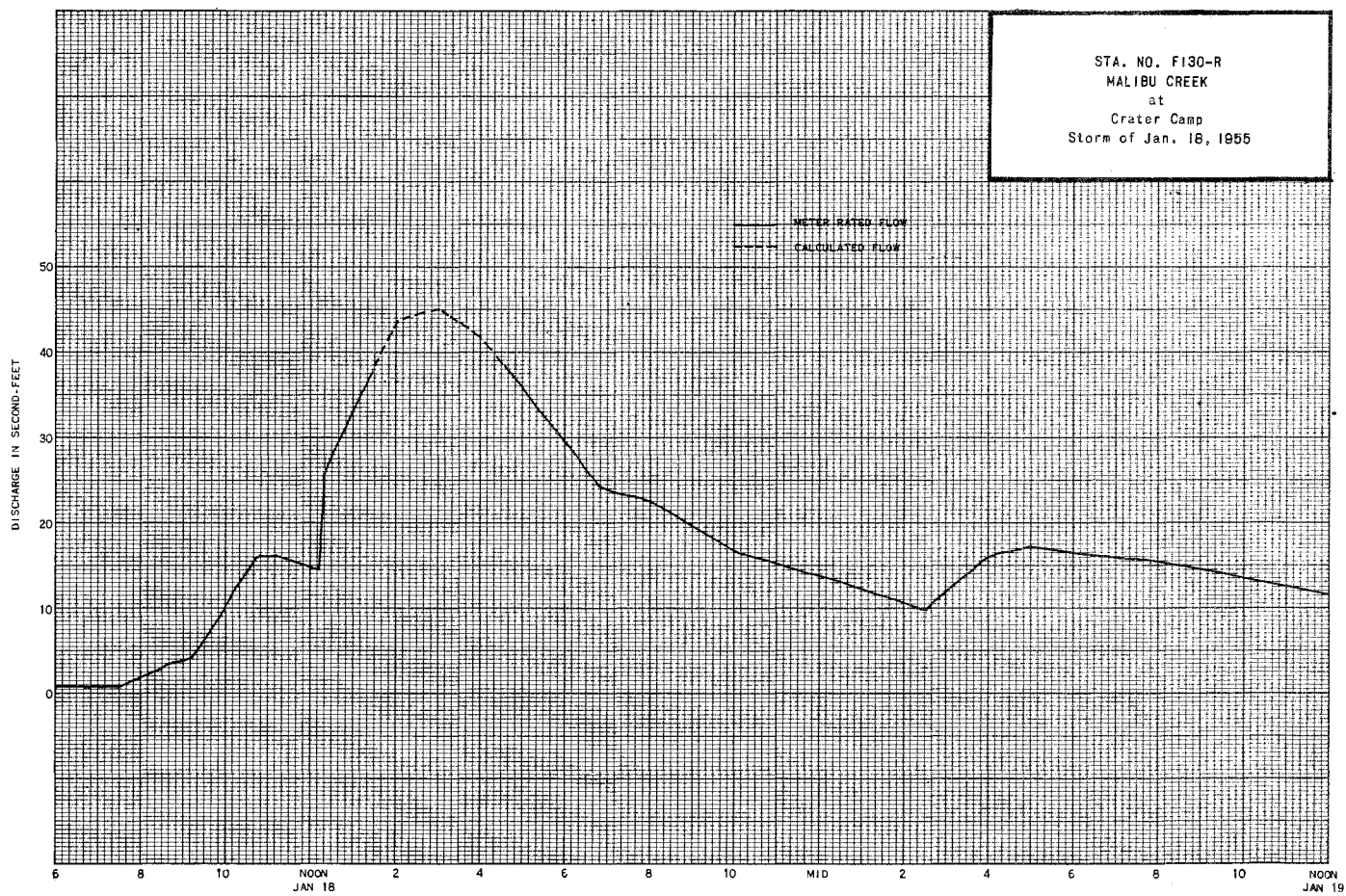
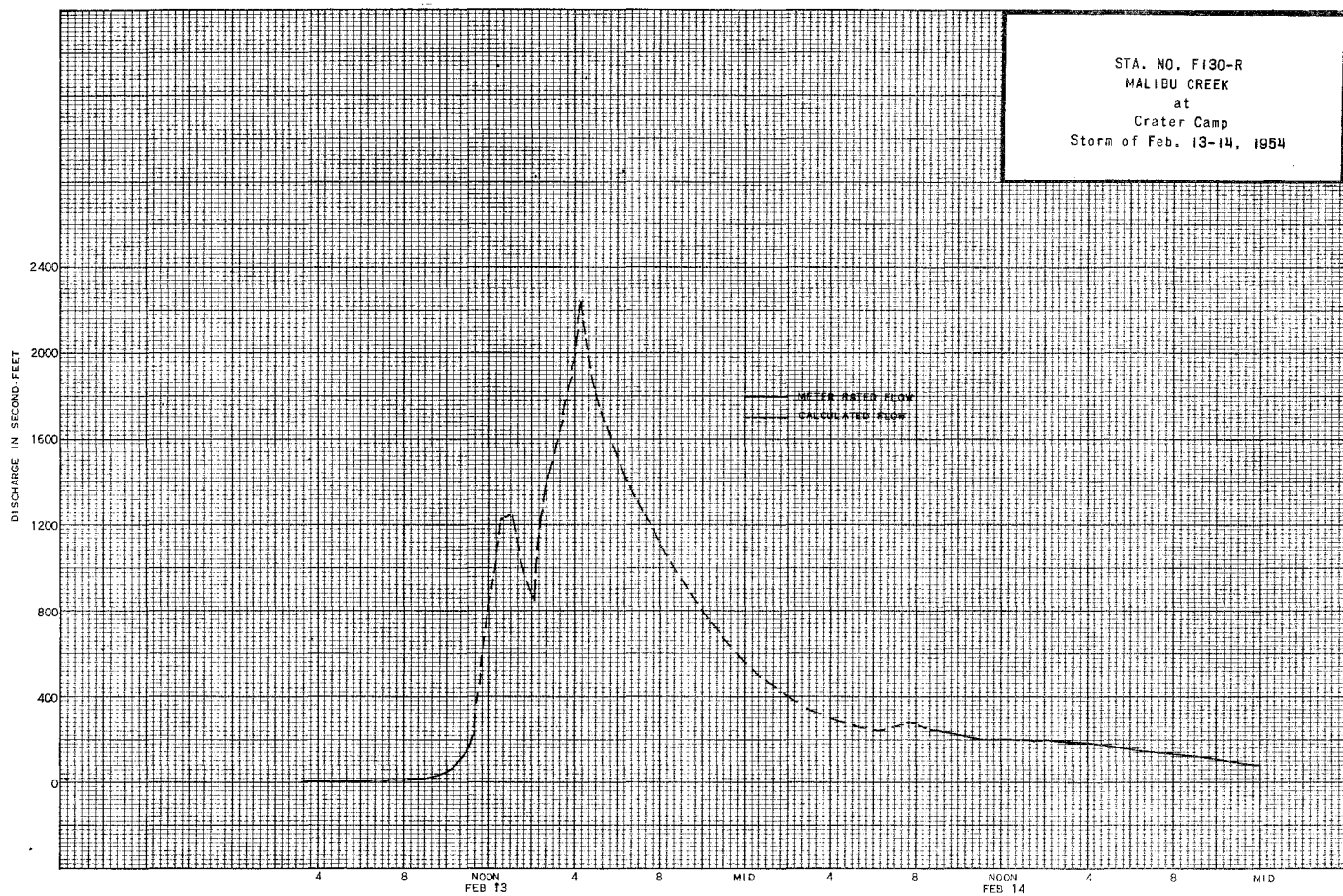
LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F130-R

Daily discharge, in second-feet of MALIBU CREEK at Crater Camp for the year ending September 30, 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.1	a 0.1	0.1	0.2	2.0	1.4	1.2	1.2	1.4	0.7	0.3	0.1
2	0.1	0.1	0.1	0.1	2.0	1.4	1.4	8.8	1.4	0.7	0.3	0.1
3	0.1	0.1	0.1	0.1	1.5	1.4	1.4	5.4	1.4	0.6	0.2	0.1
4	0.1	0.1	0.1	0.1	1.7	1.4	1.4	3.9	1.4	0.6	0.3	0.1
5	0.1	0.1	0.1	0.1	1.7	1.4	1.4	3.0	1.4	0.5	0.3	0.1
6	0.1	0.1	0.1	0.1	1.7	1.4	1.4	2.8	1.4	0.5	0.3	0.1
7	0.1	0.1	0.1	0.2	1.8	1.4	1.4	4.8	1.4	0.5	0.2	0.1
8	0.1	0.1	0.1	0.2	1.8	1.4	1.4	2.8	1.4	0.5	0.2	0.1
9	0.1	0.1	0.2	0.3	2.0	1.4	1.4	4.8	1.4	0.5	0.3	0.2
10	0.1	a 0.1	0.1	5.0	2.0	1.4	1.6	5.4	1.4	0.5	0.2	0.3
11	0.1	0.1	0.1	0.7	2.0	2.5	1.4	4.8	1.2	0.5	0.3	0.2
12	0.1	a 0.1	0.1	0.6	2.0	2.0	1.2	3.9	1.2	0.4	0.3	0.2
13	0.1	0.1	0.1	0.6	2.0	1.6	1.2	3.6	1.2	0.4	0.3	0.1
14	0.1	0.1	0.1	0.6	1.8	1.6	1.2	3.0	1.2	0.4	0.3	0.1
15	0.1	0.1	0.1	0.6	1.8	1.6	1.2	2.4	1.2	0.4	0.2	0.1
16	0.1	a 0.1	0.1	1.1	2.0	1.8	1.2	2.2	1.2	0.4	0.1	0.2
17	0.1	0.1	0.1	0.7	2.3	1.8	1.2	2.2	1.2	0.3	0.1	0.2
18	0.1	0.1	0.1	1.5	1.6	1.8	1.2	2.0	1.2	0.3	0.1	0.1
19	0.1	0.1	0.1	1.1	1.7	1.6	1.2	1.8	0.9	0.2	0.1	0.1
20	0.1	0.1	0.1	a 2.8	1.7	1.6	1.2	1.8	0.9	0.2	0.2	0.2
21	a 0.1	0.1	0.1	2.1	1.7	1.6	1.6	1.8	0.7	0.1	0.2	0.2
22	0.1	0.1	0.1	2.1	1.7	1.6	3.2	1.8	0.6	0.1	0.2	0.2
23	0.1	0.1	0.1	2.1	1.5	1.6	1.6	1.8	0.6	0.1	0.2	0.2
24	0.1	0.1	0.1	a 2.1	1.4	1.6	1.2	1.8	0.6	0.2	0.3	0.1
25	0.1	0.1	0.1	2.1	1.5	1.6	1.2	1.6	0.7	0.2	0.2	0.1
26	0.1	0.1	0.1	2.1	1.7	1.4	1.4	1.6	0.8	0.2	0.2	0.1
27	0.1	0.1	0.1	2.1	2.8	1.4	1.0	1.6	0.8	0.3	0.2	0.1
28	0.1	0.1	0.1	2.1	1.6	1.4	1.0	1.6	0.7	0.3	0.2	0.1
29	0.1	0.1	0.1	2.1	1.4	1.4	1.0	1.6	0.7	0.3	0.2	0.1
30	0.1	0.1	0.1	2.1	1.4	1.4	1.0	1.6	0.7	0.3	0.2	0.1
31	a 0.1	0.1	0.1	3.4	1.4	1.2	1.4	1.6	0.7	0.3	0.2	0.1
	3.1	3.0	3.2	65.5	51.5	43.1	53.6	99.8	32.0	11.5	7.0	4.1

MEAN	0.10	0.10	0.10	2.11	1.84	1.55	1.79	3.22	1.07	0.37	0.23	0.14
ACRE-FOOT	6.1	6.0	6.3	130.	102.	95.	106.	198.	63.	23.	14.	8.1
Remarks:												
	YEAR MEAN 1.05											
	OR PERIOD ACRES-FOOT 758.											





STATION F83-R  
MISSION CREEK at San Gabriel Boulevard

LOCATION: WATER-STAGE RECORDER, LAT. 34°01'47", LONG. 118°04'07", ON THE UPSTREAM END OF THE RIGHT (WEST) ABUTMENT OF SAN GABRIEL BOULEVARD BRIDGE, JUST EAST OF THE RIO HONDO, ABOUT 2 MILES NORTHEAST OF MONTEBELLO, ELEVATION OF 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 AT STATION, HIGH FLOWS MEASURED FROM HIGHWAY BRIDGE.

RECORDER: INSTALLED JUNE 14, 1930 OVER AN 18-INCH DIAMETER CORRUGATED IRON PIPE STILLING WELL, HORIZONTAL RATIONAL 7-DAY RECORDER IN SERVICE OCTOBER 1, 1953 TO SEPTEMBER 30, 1955.

REGULATION: SOME WATER PUMPED JUST DOWNSTREAM FROM BRIDGE.

DIVERSIONS: NONE.

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

EXTREMES OF DISCHARGE:

1953-54  
MAXIMUM NOT DETERMINED  
MINIMUM 2.0 SECOND-FOOT AUGUST 26.

1954-55  
MAXIMUM 12 SECOND-FOOT JANUARY 18,  
MINIMUM 0.8 SECOND-FOOT SEPTEMBER 4,  
1930-55

MAXIMUM DISCHARGE NOT DETERMINED, MARCH 2, 1936.  
MAXIMUM DISCHARGE OF RECORD, 336 SECOND-FOOT FEBRUARY 22, 1944.  
MINIMUM 0.6 SECOND-FOOT SEPTEMBER 4, 1955

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 San Gabriel Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 1954

NO.	DATE	BEIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAT- ING	METH- OD	MEAS. REC. NO.	Q. FT. CHANGE TOTAL	METER NO.
901	10-1	0900 0910	WADDICOR	10.8	3.92	1.22	5.64	4.8	.8	10	0	FC37	
902	10-8	0910 0922	"	10.1	3.27	1.39	5.58	4.5	.8	10	0	"	
903	10-15	0902 0914	"	10.1	3.44	1.42	5.62	4.9	.5	9	0	"	
904	10-22	0915 0927	"	10.0	3.46	1.39	5.62	4.8	.5	10	0	"	
905	10-29	0847 0900	"	10.6	3.56	1.23	5.62	4.4	.8	10	0	"	
906	11-5	0920 0930	"	10.0	2.93	1.40	5.64	4.1	.8	11	0	"	
907	11-12	1130 1140	"	11.0	3.98	1.34	5.68	5.3	.6	10	0	"	
908	11-19	0800 0912	"	11.3	4.46	1.23	5.72	5.5	.6	10	0	"	
909	11-25	0837 0850	"	11.2	4.68	1.28	5.72	6.0	.6	10	0	"	
910	12-4	0856 0907	"	11.2	4.65	1.31	5.75	6.1	.6	10	0	"	
911	12-10	0906 0918	"	11.2	4.60	1.35	5.74	6.2	.8	9	0	"	
912	12-17	0921 0932	"	11.2	4.61	1.34	5.72	6.2	.6	11	0	"	
913	12-23	0845 0855	"	11.2	4.46	1.28	5.71	5.7	.6	10	0	"	
914	12-31	0906 0918	"	11.2	4.62	1.34	5.68	6.2	.8	10	0	"	
915	1-7	0852 0902	"	10.8	4.18	1.38	5.67	5.8	.5	10	0	"	
916	1-14	1410 1420	"	11.3	4.75	1.28	5.71	6.1	.6	9	0	"	
917	1-21	0920 0930	"	10.5	5.08	1.38	5.80	7.0	.6	9	0	"	
918	1-25	1424 1436	WADDICOR-BRITZMAN	11.0	6.25	1.25	6.02	7.8	.6	10	0	"	
919	1-28	0854 0906	WADDICOR	10.5	5.29	1.23	5.93	6.5	.6	9	0	"	
920	2-4	0900 0912	"	10.5	4.71	1.27	5.86	6.0	.6	9	0	"	
921	2-11	0850 0900	"	10.7	4.66	1.59	5.72	7.4	.8	10	0	"	
922	2-18	0901 0933	"	10.3	4.96	1.31	5.89	6.5	.6	9	0	"	
923	2-25	0850 0902	"	10.4	4.59	1.24	5.85	5.7	.6	9	0	"	
924	3-4	0850 0902	"	10.3	4.29	1.35	5.81	5.8	.6	9	0	"	
925	3-11	0900 0912	"	10.0	3.90	1.31	5.76	5.1	.5	6	0	FC37	
926	3-18	0904 0914	"	10.4	4.37	1.21	5.80	5.3	.5	6	0	"	
927	3-25	0850 0900	"	11.0	5.26	1.14	5.88	6.0	.6	10	0	"	
928	4-1	0916 0926	"	10.5	4.80	1.42	5.89	6.8	.6	9	0	"	
929	4-8	0900 0910	"	10.2	4.38	1.35	5.83	5.9	.6	9	0	"	
930	4-15	0905 0915	"	10.2	4.57	1.22	5.85	5.6	.5	9	0	"	
931	4-22	0905 0915	"	11.0	4.10	1.44	5.90	5.9	.5	6	12	0	"
932	4-29	0921 0931	"	10.5	4.37	1.17	5.82	5.1	.6	9	0	"	
933	5-6	1255 1300	WADDICOR-DE MARS	9.1	4.18	1.15	5.81	4.8	.6	9	0	"	
934	5-13	1012 1018	WADDICOR-SPELLMAN	10.2	4.50	1.22	5.86	5.5	.5	9	0	"	
935	5-20	0848 0900	WADDICOR	10.4	4.48	1.18	5.84	5.3	.6	9	0	"	
936	5-27	0845 0855	"	10.5	4.24	1.22	5.83	5.2	.6	9	0	"	
937	6-3	0850 0902	"	10.3	4.20	1.26	5.80	5.3	.6	9	0	"	
938	6-10	0842 0852	"	11.0	3.98	1.41	5.80	5.6	.6	12	0	"	
939	6-17	0845 0910	"	9.9	3.46	1.16	5.74	4.0	.6	9	0	"	
940	6-23	0915 0925	WADDICOR-DE MARS	9.7	3.22	1.21	5.71	3.9	.6	11	0	"	
941	7-1	0840 0957	DE MARS	9.8	3.09	1.13	5.68	3.5	.8	13	0	FC34	
942	7-8	0937 0952	"	10.0	2.47	1.17	5.64	2.9	.6	12	0	"	
943	7-13	0840 0900	WADDICOR	9.5	2.70	1.22	5.62	3.3	.6	11	0	FC52	
944	7-15	0853 0909	"	9.5	2.73	1.21	5.60	3.3	.6	11	0	"	
945	7-16	1058 1114	WADDICOR-LINDSAY	9.5	2.57	1.15	5.58	3.0	.6	12	0	"	
946	7-20	0830 0847	WADDICOR	9.6	2.44	1.12	5.56	2.7	.6	11	0	"	
947	7-22	0903 0920	"	9.3	2.42	1.15	5.57	2.8	.6	11	0	"	
948	7-29	0847 0903	"	9.3	2.38	1.18	5.56	2.8	.6	11	0	"	
949	8-5	0915 0930	DE MARS	9.3	2.21	1.08	5.54	2.4	.6	11	0	FC52	

NO.	DATE	RESIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	RAISE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INS.	METH. CO.	MEAN. NO.	S. DIAM. TOTAL	METER NO.	NO.	DATE	RESIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	RAISE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INS.	METH. CO.	MEAN. NO.	S. DIAM. TOTAL	METER NO.
950	8-26	0932 0948	WADDICOR	16.2	20.9	0.10		2.0		-6	11	0	"	978	2-10	0932 0944	WADDICOR	10.7	4.53	1.37	5.82	6.2		.6	10	0	FC37
951	8-27	1408 1421	"	16.1	21.0	0.11		2.3		-6	11	0	"	979	2-16	0947 0900	"	11.0	5.67	1.13	5.92	6.4		.6	10	0	"
952	9-2	1335 1355	"	14.8	17.4	1.44		2.5		-6	13	0	"	980	2-24	0935 0948	WADDICOR	11.2	5.71	1.12	5.93	6.4		.6	10	0	FC37
953	9-8	1102 1112	"	9.8	3.37	1.10		3.7		-6	9	0	"	981	3-3	0832 0842	"	11.0	4.90	1.26	5.93	6.2		.6	9	0	"
954	9-16	1132 1143	"	9.8	3.20	1.16		3.7		-6	9	0	"	982	3-10	0840 0853	"	11.2	5.71	1.03	5.92	5.9		.6	10	0	"
955	9-23	1430 1450	DE MARS	15.0	15.4	0.24		3.7		-6	13	0	"	993	3-11	1059 1108	WADDICOR-BRITZMAN	13.2	6.39	1.06	5.98	6.6		.6	10	0	"
DISCHARGE MEASUREMENTS OF MISSION CREEK														984	3-17	0853 0906	WADDICOR	10.9	4.97	1.19	5.84	5.9		.6	10	0	"
AT San Gabriel Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 1955														985	3-24	0837 0849	"	10.8	4.74	1.20	5.82	5.7		.6	10	0	"
														986	3-31	0902 0914	"	10.7	4.39	1.14	5.78	5.0		.6	10	0	"
														987	4-7	1205 1217	"	11.0	4.22	1.11	5.78	4.7		.6	10	0	"
														988	4-14	1010 1018	"	10.5	3.79	1.11	5.75	4.2		.6	10	0	"
														989	4-21	0810 0822	"	11.0	3.82	1.24	5.70	4.8		.6	10	0	"
														990	4-28	0947 0900	"	10.7	4.08	1.03	5.76	4.2		.6	10	0	"
														991	5-5	0932 0943	"	11.1	5.07	0.97	5.86	4.9		.6	10	0	"
														992	5-12	0837 0900	"	11.3	6.02	0.93	5.95	5.6		.6	11	0	"
														993	5-19	0845 0858	"	11.1	5.44	0.88	5.90	4.8		.6	10	0	"
														994	5-26	0947 1002	"	11.3	6.25	0.74	5.98	4.6		.6	10	0	"
														995	6-2	0915 0927	WADDICOR-SADDORIS	11.2	5.43	0.81	5.89	4.4		.6	13	0	"
														996	6-9	0847 0900	WADDICOR	10.6	3.94	0.94	5.76	3.7		.6	10	0	FC42
														997	6-16	0933 0938	"	10.8	4.34	0.90	5.80	3.9		.6	11	0	"
														998	6-23	0800 0812	"	10.4	3.41	0.91	5.64	3.1		.6	11	0	"
														999	6-30	0855 0910	"	9.8	2.78	1.12	5.62	3.1		.6	9	0	"
														1000	7-7	1458 1509	GODFREY	9.7	2.59	1.08	5.56	2.8		.5	10	0	"
														1001	7-14	1020 1030	"	9.5	2.48	1.05	5.54	2.6		.5	10	0	"
														1002	7-21	0858 0910	WADDICOR	9.5	2.45	0.86	5.50	2.1		.5	9	0	"
														1003	7-28	0847 0900	"	9.4	2.04	0.93	5.49	1.9		.6	11	0	"
														1004	8-4	0855 0909	"	9.2	2.16	0.93	5.47	2.0		.6	10	0	"
														1005	8-11	0828 0840	"	9.2	2.02	0.89	5.46	1.8		.5	10	0	"
														1006	8-18	0812 0827	"	9.2	2.00	0.90	5.44	1.8		.6	10	0	"
														1007	8-25	0848 0902	"	7.1	1.60	0.88	5.47	1.4		.6	9	0	"
														1008	9-1	0258 0310	"	7.2	1.59	0.82	5.45	1.3		.5	9	0	"
														1009	9-8	1020	WADDICOR-SCOTT	7.1	1.59	0.75	5.44	1.2		.5	11	0	"
														1010	9-15	0843 0854	WADDICOR	7.0	1.59	0.63	5.43	1.0		.5	10	0	"
														1011	9-22	0900 0912	"	7.0	1.43	0.66	5.41	0.95		.5	10	0	"
														1012	9-29	0900 0912	"	7.1	1.48	0.74	5.43	1.1		.5	9	0	"

FORM C-12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. FB3R

Daily discharge, in second-feet of MISSION CREEK at San Gabriel Blvd. for the year ending September 30, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.		
1	4.8	4.4	5.0	6.2	6.6	5.8	5.7	5.0	5.3	3.5	2.7	2.5		
2	4.8	4.3	5.0	6.2	6.4	5.8	6.4	4.9	5.3	3.5	2.6	2.5		
3	4.7	4.2	5.1	6.2	6.2	5.8	6.2	4.8	5.3	3.4	2.5	2.7		
4	4.7	4.2	6.0	6.0	6.0	5.8	6.2	4.8	5.3	3.3	2.4	2.9		
5	4.6	4.1	6.1	6.0	6.2	5.7	6.1	4.8	5.3	3.2	2.4	3.1		
6	4.5	4.4	6.1	6.0	6.4	5.6	6.3	4.8	5.4	3.1	2.4	3.3		
7	4.5	4.5	6.2	5.7	6.6	5.5	6.0	4.9	5.4	3.0	2.4	3.5		
8	4.5	4.9	6.2	5.7	6.8	5.4	5.9	5.0	5.5	2.9	2.3	3.7		
9	4.4	5.1	6.2	5.7	7.0	5.3	5.8	5.1	5.6	2.9	2.3	3.7		
10	4.4	5.2	6.2	5.7	7.2	5.2	5.8	5.2	5.6	3.0	2.3	3.7		
11	4.5	5.2	6.2	6.2	7.4	5.1	6.0	5.3	5.4	3.1	2.3	3.7		
12	4.7	5.3	6.2	6.2	7.4	5.0	5.8	5.4	5.2	3.2	2.3	3.7		
13	4.7	5.3	6.3	6.3	8.5	4.9	5.6	5.5	5.0	3.3	2.2	3.7		
14	4.7	5.6	6.3	6.3	8.0	4.8	5.5	5.5	4.7	3.3	2.2	3.7		
15	4.9	5.7	6.3	6.3	7.9	4.8	5.5	5.5	4.4	3.3	2.2	3.7		
16	4.9	5.5	6.3	6.3	7.9	4.8	5.5	5.5	4.4	3.0	2.2	3.7		
17	4.9	5.5	6.3	6.6	6.7	5.4	5.6	5.4	4.0	3.0	2.2	3.7		
18	4.9	5.5	6.3	8.1	6.5	5.3	5.7	5.3	4.0	2.9	2.2	3.7		
19	4.9	5.5	6.2	7.6	6.4	5.5	5.8	5.3	4.0	2.8	2.1	3.7		
20	4.8	5.7	6.1	7.3	6.2	5.8	5.8	5.3	4.0	2.7	2.1	3.7		
21	4.8	5.8	6.0	7.0	6.1	6.2	5.9	5.3	3.9	2.7	2.1	3.7		
22	4.8	5.7	5.8	7.2	6.0	6.2	5.9	5.3	3.9	2.8	2.1	3.7		
23	4.8	5.8	5.8	7.4	5.9	6.2	5.8	5.3	3.9	2.8	2.1	3.7		
24	4.8	6.0	5.8	7.6	5.8	5.8	5.7	5.2	3.9	2.8	2.0	3.7		
25	4.7	5.9	6.0	7.8	5.7	6.0	5.6	5.2	3.8	2.8	2.0	3.8		
26	4.6	5.9	6.1	7.7	5.7	5.9	5.4	5.2	3.8	2.8	2.0	3.8		
27	4.5	5.7	6.2	7.6	5.7	5.9	5.3	5.2	3.7	2.8	2.3	3.9		
28	4.4	5.9	6.2	7.5	5.7	5.9	5.2	5.2	3.7	2.8	2.3	3.9		
29	4.4	5.9	6.2	7.3	5.7	7.0	5.1	5.2	3.6	2.8	2.3	3.9		
30	4.4	6.0	6.2	7.1	5.7	6.5	5.0	5.2	3.6	2.8	2.4	4.0		
31	4.4		6.2	6.9				5.3	3.6	2.8	2.4			
	144.4	158.9	189.9	207.7	183.0	177.3	173.2	160.9	136.7	93.1	70.3	106.7		
MEAN	4.66	5.30	6.13	6.70	6.54	5.72	5.77	5.19	4.56	3.00	2.27	3.56		
ACRE-FEET	286.	315.	377.	412.	363.	352.	344.	312.	271.	185.	139.	212.		
Remarks:												YEAR OR PERIOD	MEAN	4.94
													ACRE-FEET	3580.

FORM C-6 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F22-R

Daily discharge, in second-feet of MISSION CREEK at San Gabriel Boulevard for the year ending September 30, 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4.0	3.8	4.6	6.5	6.3	6.3	5.0	5.6	4.6	3.0	1.9	1.1
2	4.0	3.8	5.0	6.9	6.3	6.3	5.0	5.0	4.4	2.9	2.1	1.1
3	4.0	v 4.0	5.1	6.5	6.2	6.2	4.9	4.7	4.0	2.9	2.0	1.1
4	4.1	v 4.6	5.3	6.4	6.2	6.2	4.9	4.7	3.7	2.9	2.0	1.2
5	4.1	v 4.7	5.3	6.4	6.2	6.2	4.8	4.9	3.5	2.9	1.9	1.2
6	4.2	4.8	5.3	6.4	6.2	6.2	4.7	4.9	3.7	2.9	1.9	1.2
7	4.2	5.0	5.3	6.5	6.2	6.1	4.7	5.9	3.5	2.8	1.9	1.2
8	4.2	5.0	5.4	6.5	6.2	6.1	4.7	5.9	3.6	2.8	1.9	1.2
9	4.2	4.8	5.5	6.4	6.2	6.1	4.7	5.4	3.7	2.8	1.9	1.1
10	4.2	4.8	5.7	8.2	6.2	6.1	4.6	5.3	3.8	2.8	1.9	1.1
11	4.3	5.0	5.6	6.8	6.2	v 6.5	4.5	5.4	3.6	2.7	1.8	1.1
12	4.3	4.8	5.6	6.5	6.2	v 5.9	4.4	5.4	3.5	2.7	1.8	1.0
13	4.3	4.7	v 5.9	6.4	b 6.3	5.9	4.3	5.3	3.6	2.6	1.8	1.0
14	4.3	4.7	v 6.1	6.5	6.4	5.9	b 4.3	5.3	3.6	2.6	1.8	0.9
15	4.2	4.7	v 6.4	6.5	6.4	5.9	b 4.3	5.2	3.6	2.6	1.9	0.9
16	4.1	4.7	6.6	7.3	6.4	5.9	4.4	5.3	3.7	2.5	1.8	0.9
17	4.1	4.8	6.6	7.0	6.7	5.9	4.4	5.2	3.6	2.4	1.8	0.9
18	3.9	4.8	6.6	8.7	6.5	5.9	4.5	4.6	3.4	2.4	1.7	0.9
19	3.9	4.6	6.5	7.8	6.2	b 5.9	4.6	4.6	3.1	2.3	1.7	0.9
20	3.8	4.4	6.5	6.7	6.1	5.8	b 4.7	4.6	3.1	2.1	1.7	0.9
21	3.8	4.2	6.4	6.7	6.3	5.8	4.8	4.3	3.1	2.1	1.7	0.9
22	3.9	4.0	6.4	6.7	6.3	5.7	5.4	4.4	2.9	2.1	1.7	0.9
23	3.9	4.3	6.4	6.7	6.4	b 5.7	4.2	4.4	2.9	2.1	1.7	0.9
24	3.8	4.5	6.4	6.7	6.4	5.5	4.2	4.4	2.9	2.1	1.5	0.9
25	3.9	4.5	6.3	6.6	6.4	5.4	4.2	4.4	2.9	2.0	1.4	0.9
26	3.9	4.4	6.2	6.6	6.5	5.2	4.5	4.4	3.1	2.0	1.4	0.9
27	3.8	4.4	6.2	6.7	6.7	5.2	4.4	4.4	2.9	1.9	1.4	1.1
28	3.8	4.4	6.2	6.7	6.5	5.2	4.2	4.4	3.0	1.9	1.2	1.1
29	3.8	4.3	6.1	6.8	5.2	5.2	4.2	4.9	3.1	1.9	1.2	1.1
30	3.8	4.3	6.1	6.9	5.1	5.1	4.7	4.2	3.0	2.0	1.2	1.1
31	3.7	6.1	6.8	6.8	5.0	5.0	4.6	4.2	3.0	2.0	1.2	1.1

1 2 4 5      1 3 5 8      1 8 3 7      2 1 0 8      1 7 7 1      1 8 0 3      1 3 7 3      1 5 1 7      1 0 3 1      7 5 7      5 2 8      3 0 7

MEAN	4.02	4.53	5.93	6.80	6.32	5.82	4.57	4.89	3.44	2.44	1.70	1.02
ACRE-FOOT	247.	269.	364.	418.	351.	358.	272.	301.	204.	150.	105.	61.

Remarks:

YEAR OR PERIOD      MEAN      4.28  
ACRE-FOOT      3100.

STATION F22-R  
MONROVIA CREEK above Sawpit Creek

LOCATION: WATER STAGE RECORDER, LAT. 34°10'25", LONG. 117°50'22", 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, 1953 TO JANUARY 1954, REINSTALLED MARCH 22, 1955.

REGULATION: NONE.

DIVERSIONS: MONROVIA PIPE LINE DIVERTS WATER ABOVE GAGE.

RECORDS AVAILABLE: NOVEMBER 10, 1927 TO JANUARY 21, 1954, AND FROM MARCH 22, 1955 TO SEPTEMBER 30, 1955. WADING MEASUREMENTS ONLY DURING PERIOD OF NO RECORDER RECORD.

EXTREMES OF DISCHARGE:

1953-54  
MAXIMUM 466 SECOND-FOOT JANUARY 25.  
MINIMUM 0.02 SECOND-FOOT IN NOVEMBER.

1954-55  
MAXIMUM NOT DETERMINED  
MINIMUM 0.01 SECOND-FOOT IN JULY AND AUGUST

1927-55  
MAXIMUM DISCHARGE NOT DETERMINED MARCH 2, 1935.  
MAXIMUM 466 SECOND-FOOT JANUARY 25, 1954 ESTIMATED AT FALLS (MUD FLOW).  
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: POOR

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

DISCHARGE MEASUREMENTS OF MONROVIA CREEK

AT NEAR above Sawpit Creek DURING THE YEAR ENDING SEPTEMBER 30, 1954

NO.	DATE	SEBIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE CFS.	RAT. INB.	METH. USED	MEAS. REC. NO.	R. MT. CHANGE TOTAL	METER NO.
816	10-23	1510 1515	STUNDEN	0.5	0.04	1.00	3.56	0.04	FLOAT	3	0		
817	11-5	0905 0910	"	0.7	0.06	0.33	3.54	0.02		.5	4	0	FC50
818	11-19	1345 1348	"	0.5	0.02	1.00	3.56	0.02	FLOATS	1	0		
819	12-3	1000	"				0.15	0.02	V-NOTCH WEIR				
820	12-17	1122	"				0.15	0.02	"	"	"		
821	12-30	1050 1055	DE MARS-STUNDEN	0.55	0.06	0.33	3.61	0.02		.5	3	0	FC50
822	1-6	1400 1405	STUNDEN	0.6	0.06	0.67	3.57	0.04		.5	4	0	"
823	1-12	1500 1510	"	3.5	0.99	2.45	3.90	2.4	FLOATS	6	0		
824	1-12	2000 2010	"	2.0	0.37	1.63	3.68	0.60	"	5	0		
825	1-13	1130 1135	"	1.3	0.17	1.65	3.76	0.28		.5	5	0	FC50
826	1-19	1124 1127	STUNDEN-MURPHY	2.0	0.18	3.45		0.62		.6	4		FC36
827	2-27	1140 1145	STUNDEN	2.0	0.19	1.42		0.27		.5	6		FC50
828	3-3	1525 1535	"	1.0	0.18	2.11		0.38		.5	5		"
829	3-11	1340 1345	"	1.2	0.14	1.57		0.22		.5	5		"
830	4-8	1240 1250	"	1.3	0.25	1.64		0.41		.5	5		"
831	4-15	1300 1310	"	1.5	0.19	2.05		0.39		.5	6		"
832	4-21	1330 1335	WHISLER	2.3	0.37	0.95		0.35		.5	6		FC5
833	5-13	1210 1220	STUNDEN	1.5	0.18	1.44		0.26		.5	4		FC50
834	5-20	1115 1120	"	1.6	0.22	1.41		0.31		.5	6		"
835	5-27	1230 1235	"	1.3	0.16	1.95		0.31		.5	5		"
836	6-3	1510 1520	"	1.2	0.13	1.50		0.20		.5	5		"
837	6-9	1510 1520	"	1.1	0.14	0.93		0.13		.5	5		"
838	6-17	1500 1502	MOON	1.0	0.10	1.80		0.18		.5	3		FC48
839	6-24	1450 1453	MOON	1.2	0.11	1.55		0.17		.5	3		FC48
840	7-1	1440 1442	"	1.5	0.12	1.42		0.17		.5	3		"
841	7-8	1450 1455	"	1.2	0.10	1.50		0.15		.5	3		"
842	7-14	0840 0850	STUNDEN	0.7	0.09	0.78		0.07		.5	4		FC50
843	7-22	1040 1045	"	0.7	0.10	1.30		0.13		.5	4		"
844	7-30	0845 0850	"	0.7	0.12	1.33		0.16		.5	4		"
845	8-5	1015 1020	"	0.8	0.16	1.43		0.23		.5	5		"
846	8-12	1355 1400	"	0.7	0.12	0.84		0.10		.5	4		"
847	8-20	1150	"	0.7	0.07	1.00		0.07		.5	4		"
848	8-26	0910 0915	"	0.7	0.08	1.00		0.08		.5	4		"
849	9-2	1305 1310	"	0.6	0.06	0.67		0.04		.5	4		"
850	9-8	1400 1405	"	0.6	0.06	0.67		0.04		.5	4		"
851	9-16	1420 1425	"	0.6	0.03	1.00		0.03	FLOAT	4			"
852	9-23	1020 1025	"	0.8	0.08	0.88		0.07		.5	5		FC50
853	9-30	1145 1150	"	0.8	0.08	0.82		0.05		.5	4		"

DISCHARGE MEASUREMENTS OF MONROVIA CREEK

AT NEAR above Sawpit Creek DURING THE YEAR ENDING SEPTEMBER 30, 1955

NO.	DATE	SEBIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE CFS.	RAT. INB.	METH. USED	MEAS. REC. NO.	R. MT. CHANGE TOTAL	METER NO.
854	10-7	1040 1045	STUNDEN	0.8	0.08	0.88		0.07		.5	5		FC50
855	10-14	1500 1510	"	0.7	0.06	0.87		0.04		.5	4		"
856	10-21	1030 1040	"	0.6	0.10	0.90		0.09		.5	4		"
857	11-4	1640 1645	"	0.6	0.06	1.00		0.06		.5	4		"
858	12-2	0815 0825	"		COMPOSITE			0.17					
859	12-23	1015 1020	"	1.1	0.14	1.42		0.20		.5	5		FC50
860	1-27	1140 1145	"	1.0	0.12	1.25		0.15		.5	3		FC36
861	2-3	0835 0840	"	1.0	0.12	2.33		0.28		.5	5		FC50
862	2-10	0740 0745	"	0.8	0.14	1.00		0.14		.5	5		"
863	2-17	0835 0840	"	1.2	0.18	1.83		0.33		.5	5		"
864	2-23	0835 0810	"	1.2	0.14	1.22		0.17		.5	5		"
865	3-3	1300 1305	"	0.7	0.06	0.83		0.05		.5	4		"
866	3-10	1435 1442	WHISLER	2.0	0.29	1.04		0.30		.6	6		"
867	3-15	1050 1055	STUNDEN	0.9	0.15	1.47		0.22		.5	5		"
868	3-22	1246 1255	WHISLER	2.0	0.27	0.78		0.21		.5	8		"
869	3-24	1405 1405	STUNDEN	0.9	0.14	1.28		0.18		.5	4		"
870	3-30	1205 1210	"	0.8	0.11	0.73		0.08		.5	5		"
871	4-7	1150 1200	"	0.7	0.08	1.12		0.09		.5	4		"
872	4-14	1205 1210	"	0.6	0.06	1.00		0.06		.5	4		"
873	4-28	1055 1100	"	0.6	0.06	0.33		0.02		.5	4		"
874	4-30	1825 1840	WHISLER	11.0	2.11	3.46		7.3		.5	12		FC5
875	5-3	1430 1440	STUNDEN	1.2	0.12	2.08		0.25		.5	5		FC50
876	5-4	0905 1910	STUNDEN-WHISLER	1.1	0.14	1.93		0.27		.5	5		"
877	5-12	1000 1005	STUNDEN	0.7	0.12	1.00		0.12		.5	4		"
878	5-19	0935 0940	STUNDEN	0.6	0.08	1.25		0.10		.5	4		FC50
879	5-26	0955 1000	"	0.7	0.06	1.67		0.10		.5	4		"
880	6-2	1115	"					0.09		VOL.			
881	6-30	1330	"					0.02		"			
882	7-7	0840	"					0.03		"			
883	7-14	1055	"					0.01		"			

STATION F195-R  
MONROVIA STORM DRAIN at Peck Road

LOCATION: WATER-STAGE RECORDER, LAT. 34°07'37", 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 363.88 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, 1953 TO DECEMBER 29, 1954. REMOVED FOR CHANNEL CONSTRUCTION.

REGULATION: NONE.

DIVERSIONS: NONE.

RECORDS AVAILABLE: APRIL 25, 1932 TO DECEMBER 29, 1954.

EXTREMES OF DISCHARGE:

1953-54

MAXIMUM 340 SECOND-FEET FEBRUARY 13.

MINIMUM NO FLOW MOST OF YEAR.

1954-55

MAXIMUM NOT DETERMINED.

MINIMUM NO FLOW MOST OF YEAR.

1932-55

MAXIMUM 1200 SECOND-FEET ESTIMATED MARCH 2, 1938.

MINIMUM NO FLOW MOST OF EACH YEAR.

ACCURACY: FAIR.

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

DISCHARGE MEASUREMENTS OF MONROVIA STORM DRAIN  
AT Peck Road DURING THE YEAR ENDING SEPTEMBER 30, 19 54

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	MEAN SEC. NO.	D. HT. CHANGE TOTAL	METER NO.
40	11-14	1850 1855	STUNDEN	15.5	15.9	1.58	0.99	25.2		FLOATS	11	+ .06	
41	12-4	0740 0750	"	15.5	12.4	1.13	0.78	14.0		"	8	0	
42	1-12	1430 1437	STUNDEN-DE MARS	16.0	22.4	3.97	1.37	89.0		"	9	+ .05	
43	1-19	1801 1807	STUNDEN-MURPHY	16.0	20.1	4.20	1.28	84.4		.6	8	+ .18	FC36
44	1-24	1534 1544	"	15.0	10.7	1.53	0.92	16.5		.6	10	+ .05	"
45	3-20	0700 0706	"	15.5	15.4	1.63	1.00	25.1		.6	9	+ .05	FC12

DISCHARGE MEASUREMENTS OF MONROVIA STORM DRAIN  
AT Peck Road DURING THE YEAR ENDING SEPTEMBER 30, 19 55

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	MEAN SEC. NO.	D. HT. CHANGE TOTAL	METER NO.
46	11-11	0400 0410	STUNDEN-MURPHY	16.5	22.6	1.94	1.10	43.9		.6	10	+0.11	FC36
47	11-15	2147 2159	"	16.6	15.1	0.50	0.77	7.6		.6	11	- .08	"
48	12-3	2159 2205	"	15.0	11.4	0.48	0.74	5.5		.6	9	+ .03	"
49	12-9	2312 2319	"	16.0	26.6	3.14	1.35	83.6		.6	9	- .10	"

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LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

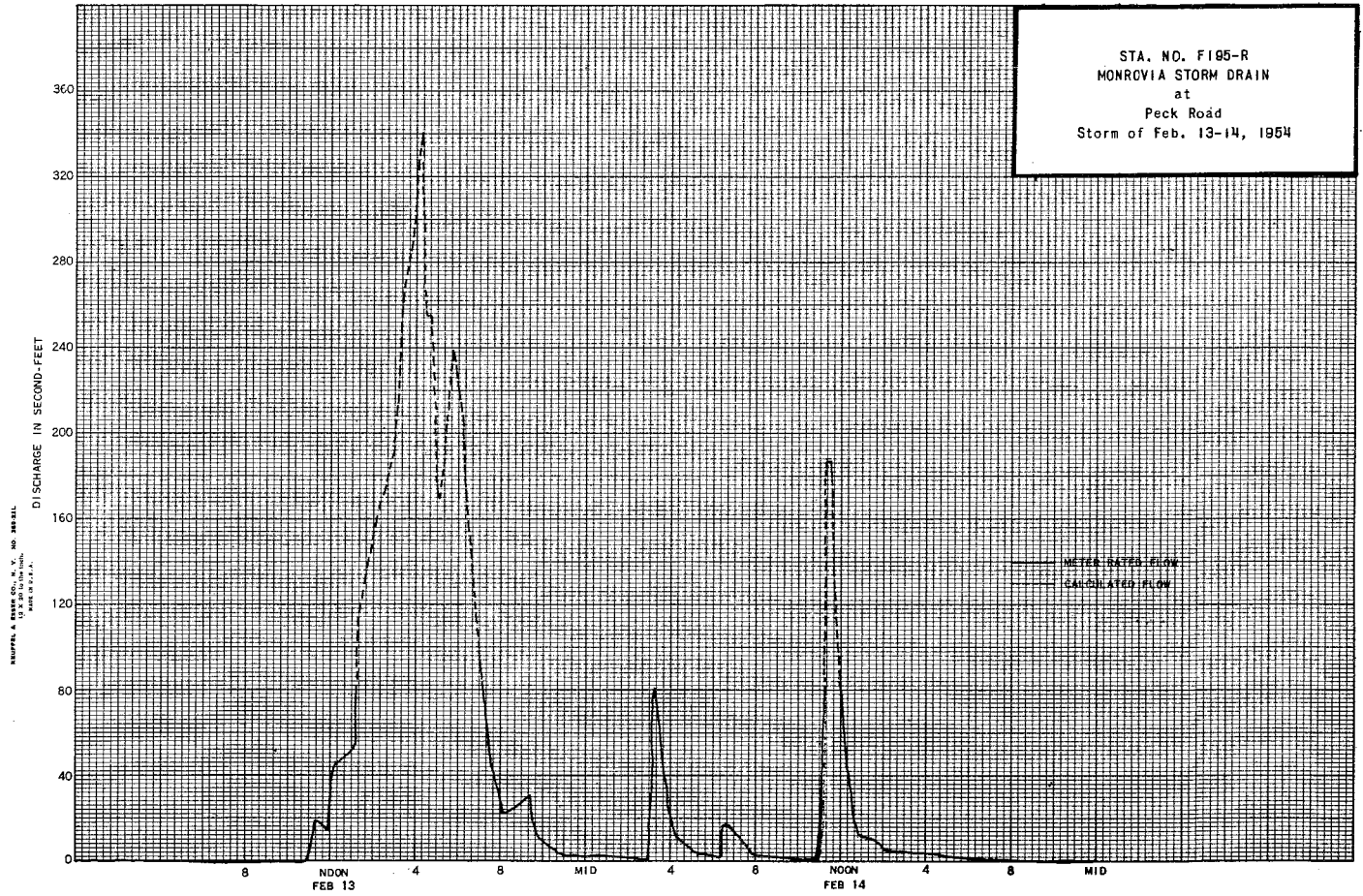
Sta. No. F195-R

Daily discharge, in second-feet of MONROVIA STORM DRAIN at Peck Road for the year ending September 30, 1954

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	1.3	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	7.4	0	0	0	0	0	0	0	0
13	0	0	0	0	5.6	+	0	0	0	0	0	0
14	0	1.2	0	0	1.2	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	1.5	0	0	0	0	0	0
17	0	0	0	0	0	0.2	0	0	0	0	0	0
18	0	0	0	3.1	0.7	0	0	0	0	0	0	0
19	0	0	0	1.6	0	0	0	0	0	0	0	0
20	0	+	0	+	0	1.5	0	0	0	0	0	0
21	0	0	0	0	0	5.0	0	0	0	0	0	0
22	0	2	0	0	0	2.7	0	0	0	0	0	0
23	0	0	0	0	0	1.6	0	0	0	0	0	0
24	0	0	0	3.0	0	0	0	0	0	0	0	0
25	0	0	0	2.9	0	1.1	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	0.2	0	0	0	0	0
29	0	0	0	0	0	7.3	0	0	0	0	0	0
30	0	0	0	0	0	1.4	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0
	0.2	1.2	1.3	85.5	68.7	54.6	0.2	0	0	0	0	0

MEAN	0.01	0.40	0.04	2.76	2.45	1.76	0.01	0	0	0	0	0
ACRE-FOOT	0.4	24.	2.6	170.	136.	108.	0.4	0	0	0	0	0

Remarks: + = 0.05 cfs or less  
YEAR OR PERIOD MEAN ACRE-FOOT 0.61 461.



STATION F1B1-R  
MONTEBELLO STORM DRAIN above Rio Hondo

LOCATION: WATER-STAGE RECORDER, LAT. 33°59'59", LONG 118°06'17", ON THE RIGHT (SOUTH) WALL OF THE STORM DRAIN OUTLET, 150 FEET EAST OF THE EAST END OF MINES AVENUE, ELEVATION OF ZERO GAGE HEIGHT ABOUT 162.22 FEET.

DRAINAGE AREA: 9.6 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - A 14 FT. X 10 FT. CONCRETE-COVERED DRAIN, THE STAGE-DISCHARGE RELATION MAY BE AFFECTED BY BACKWATER FROM THE RIO HONDO DURING FLOOD FLOWS.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING AT OUTLET, HIGH FLOWS MEASURED FROM OPENINGS IN TOP OF CHANNEL.

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

REGULATION: NONE.

DIVERSIONS: NONE.

RECORDS AVAILABLE: JANUARY 12, 1932 TO AUGUST 5, 1954, DECEMBER 9, 1954 TO SEPTEMBER 30, 1955.

EXTREMES OF DISCHARGE:

1953-54  
MAXIMUM 1610 SECOND-FOOT FEBRUARY 13.  
MINIMUM 0.1 SECOND-FOOT AT VARIOUS TIMES.  
1954-55  
MAXIMUM 759 SECOND-FOOT JANUARY 18.  
MINIMUM 0.1 SECOND-FOOT VARIOUS TIMES.  
1931-55  
MAXIMUM 1400 SECOND-FOOT, ESTIMATED MARCH 2, 1938.  
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: GOOD.

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

DISCHARGE MEASUREMENTS OF MONTEBELLO STORM DRAIN  
AT NEAR: above Rio Hondo DURING THE YEAR ENDING SEPTEMBER 30, 1954

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. CO.	HEAR. REC. NO.	B. HT. CHANGE TOTAL	METER NO.
166	1-24	0700 0705	WADDICOR-BRITZMAN	14.0	5.74	2.00	0.66	11.5		.6	7	0	PITOT
167	1-24	0731 0735	" "	14.0	7.42	2.26	0.78	16.8		.6	7	0	"

DISCHARGE MEASUREMENTS OF MONTEBELLO STORM DRAIN  
AT NEAR: above Rio Hondo DURING THE YEAR ENDING SEPTEMBER 30, 1955

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. CO.	HEAR. REC. NO.	B. HT. CHANGE TOTAL	METER NO.
168	1-1	1322 1335	WADDICOR-BRITZMAN	14.0	18.5	4.86	1.52	89.8		.6	5	+ .02	FC37
169	1-6	1246 1254	" "	14.0	12.6	3.76	1.15	47.4		.6	8	+ .04	"
170	4-27	1335 1343	WADDICOR	2.0	0.07	0.28	0.16	0.02	SURF	5	0		FC52
171	5-1	0930 0944	WADDICOR-BRITZMAN	14.0	3.17	1.04	0.41	3.3		.5	7	0	FC37

7675M Gb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F191-R

Daily discharge, in second-feet of MONTEBELLO STORM DRAIN above Rio Hondo for the year ending September 30, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.1	0.2	0.9	0.7	0.1	1.1	0.1	1.1	0.2	0.3	0.3	0.1
2	0.1	0.2	0.7	0.7	0.1	0.3	0.1	0.9	0.3	0.5	0.3	0.1
3	0.1	0.2	0.9	0.9	0.5	0.5	0.1	0.9	0.2	0.3	0.3	0.1
4	0.1	0.1	4.5	1.3	0.8	0.5	0.3	1.1	0.2	0.3	0.3	0.1
5	0.1	0.1	0.3	1.1	0.5	0.9	0.3	1.3	0.2	0.3	0.3	0.1
6	0.1	0.1	0.7	1.1	0.5	0.7	0.3	1.5	0.1	0.3	0.3	0.1
7	0.1	0.1	0.9	1.5	0.5	0.9	0.1	1.5	0.1	0.3	0.3	0.1
8	0.2	0.1	0.7	0.7	0.7	0.9	0.1	1.5	0.1	0.4	0.3	0.1
9	0.2	0.1	0.5	0.7	0.7	1.1	0.3	1.3	0.1	0.4	0.3	0.1
10	0.2	0.2	0.5	0.7	0.9	1.1	0.5	1.7	0.1	0.4	0.3	0.1
11	0.2	0.2	0.7	2.6	0.7	0.9	0.6	2.3	0.2	0.4	0.3	0.1
12	0.2	0.2	0.7	3.0	0.7	1.1	0.6	1.3	0.2	0.4	0.3	0.1
13	0.2	0.2	0.9	0.9	2.3	1.1	0.3	1.7	0.2	0.3	0.3	0.1
14	0.2	5.6	0.7	1.8	3.7	1.1	0.9	1.3	0.2	0.3	0.3	0.1
15	0.2	1.5	0.9	0.9	0.5	1.1	0.7	1.3	0.3	0.3	0.3	0.1
16	0.2	0.1	0.9	0.5	0.7	3.2	1.1	1.3	0.3	0.3	0.3	0.1
17	0.2	0.1	0.7	0.8	0.5	4.6	0.9	1.1	0.3	0.3	0.3	0.1
18	0.2	0.1	0.9	2.5	1.1	1.0	0.5	1.7	0.3	0.3	0.2	0.1
19	0.1	0.5	0.9	14.6	0.3	1.0	0.7	1.5	0.3	0.3	0.2	0.1
20	0.1	1.3	0.9	2.1	0.3	7.3	0.5	1.3	0.3	0.3	0.2	0.1
21	0.1	0.1	0.9	0.1	0.3	2.7	0.7	1.3	0.3	0.3	0.2	0.1
22	1.8	0.1	0.7	0.1	0.5	2.8	0.9	1.1	0.3	0.3	0.2	0.1
23	0.2	0.5	0.7	0.1	0.5	1.0	1.1	1.1	0.3	0.3	0.2	0.1
24	0.2	0.7	0.7	0.1	0.7	1.1	1.1	1.1	0.3	0.3	0.2	0.1
25	0.2	0.7	0.7	4.4	0.7	11.8	1.1	1.1	0.3	0.3	0.2	0.1
26	0.2	0.2	0.7	5.5	0.7	3.0	1.9	1.2	0.3	0.3	0.2	0.1
27	0.2	0.3	0.7	0.7	1.2	0.3	0.9	1.5	0.3	0.3	0.2	0.1
28	0.2	0.7	0.7	0.3	0.3	1.1	1.1	0.3	0.3	0.3	0.2	0.1
29	0.2	0.7	0.7	0.1	0.3	3.8	1.1	0.3	0.3	0.3	0.2	0.1
30	0.2	0.9	0.7	0.1	0.3	3.7	0.9	0.3	0.3	0.3	0.2	0.1
31	0.2	0.7	0.7	0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.1
	6.8	66.6	26.7	371.9	303.8	239.1	24.0	36.3	7.1	9.8	7.9	3.0
MEAN	0.22	2.22	0.86	12.0	10.9	7.71	0.80	1.17	0.24	0.32	0.26	0.10
ACRE- FEET	13.	132.	53.	738.	603.	474.	48.	72.	14.	19.	16.	6.0
Remarks:									YEAR OR PERIOD	MEAN ACRE-FEET		3.02 2190.

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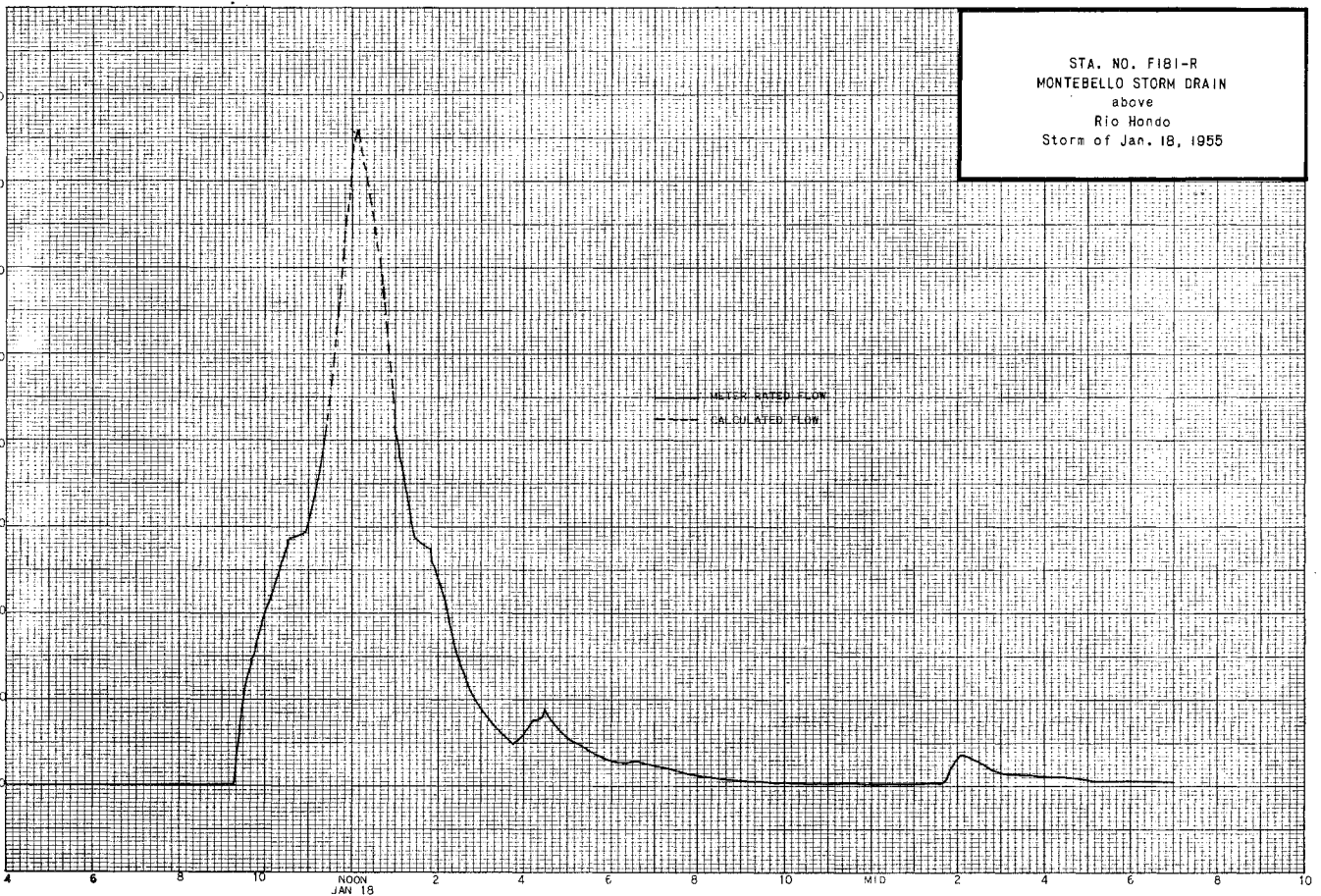
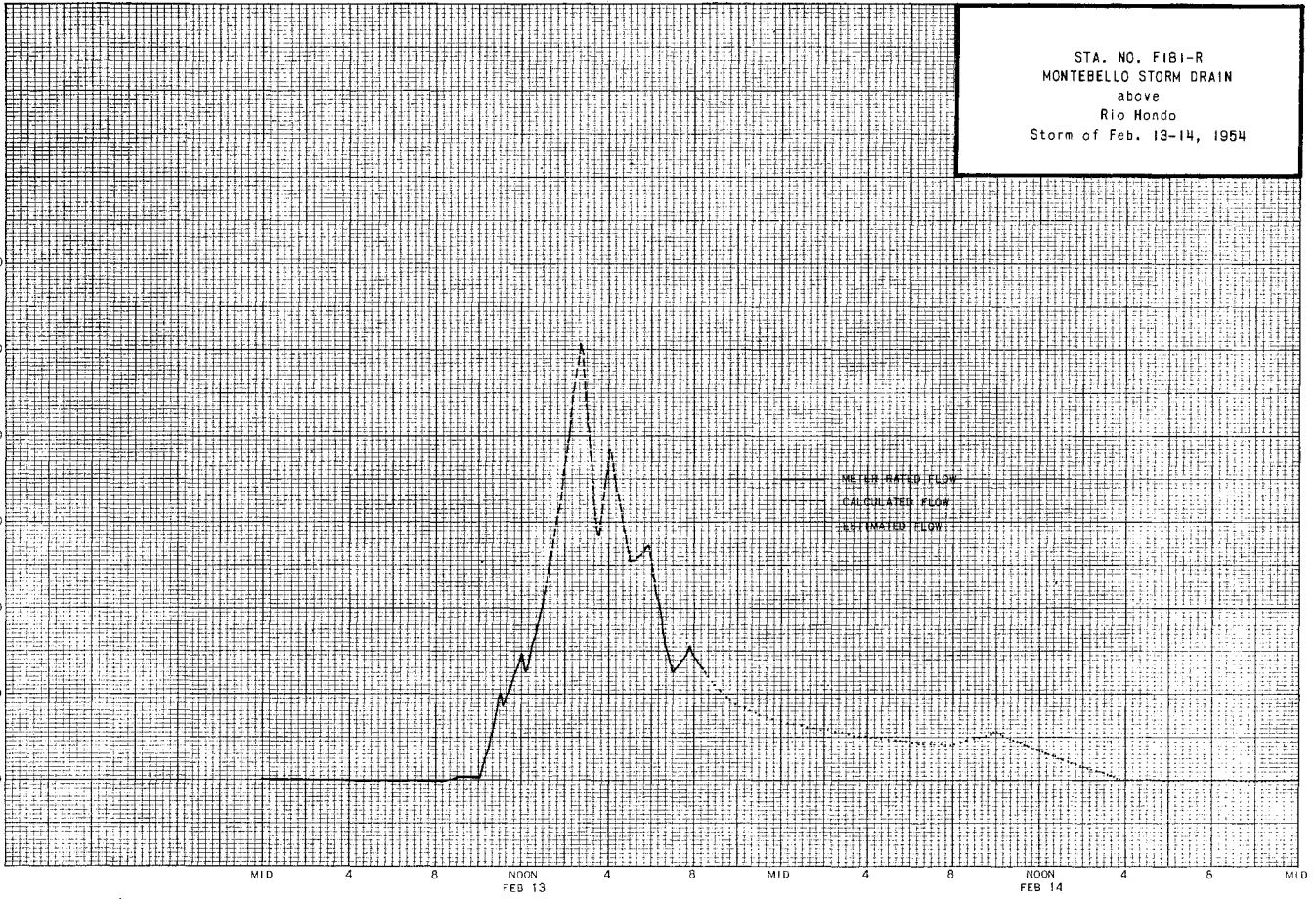
LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F191-R

Daily discharge, in second-feet of MONTEBELLO STORM DRAIN above Rio Hondo for the year ending September 30, 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1				2.9	0.4	1.2	0.8	3.4	0.2	0.1	0.1	0.1
2				1.4	0.3	1.4	0.3	4.8	0.2	0.1	0.1	0.1
3				0.2	0.2	0.3	0.3	0.3	0.2	0.1	0.1	0.1
4				0.1	0.3	0.3	0.3	0.3	0.2	0.1	0.1	0.1
5				0.1	0.3	0.3	0.3	0.5	0.2	0.1	0.1	0.1
6				2.1	0.5	0.3	0.3	0.5	0.1	0.1	0.1	0.1
7				0.5	0.3	0.3	0.3	3.0	0.1	0.1	0.1	0.1
8				0.1	0.2	0.3	0.3	0.9	0.1	0.1	0.1	0.1
9			*2.6	0.1	0.2	0.1	0.4	0.3	0.1	0.1	0.1	0.1
10			2.3	7.0	0.2	3.1	0.3	0.3	0.1	0.1	0.1	0.1
11			b 0.2	2.9	0.3	3.9	0.2	0.3	0.1	0.1	0.1	0.1
12			0.2	0.3	0.3	0.2	0.3	0.3	0.1	0.1	0.1	0.1
13			0.1	0.2	0.3	0.2	0.5	0.4	0.1	0.1	0.1	0.1
14			0.1	0.1	0.2	0.3	0.5	0.4	0.1	0.1	0.1	0.1
15			0.1	0.1	0.2	0.2	0.4	0.3	0.1	0.1	0.1	0.1
16			0.1	4.1	4.7	0.3	0.3	0.3	0.1	0.1	0.1	0.1
17			0.1	0.3	15.7	0.3	0.3	0.5	0.1	0.1	0.1	0.1
18			0.1	9.1	0.1	0.2	0.2	0.4	0.1	0.1	0.1	0.1
19			0.1	4.2	0.1	0.2	0.2	0.4	0.1	0.1	0.1	0.1
20			0.1	0.6	0.1	0.3	0.3	0.4	0.1	0.1	0.1	0.1
21			0.1	1.2	0.1	0.2	1.5	0.1	0.1	0.1	0.1	0.1
22			0.1	0.2	0.2	0.3	3.6	0.4	0.1	0.1	0.1	0.1
23			0.1	0.2	0.3	0.2	0.2	0.3	0.1	0.1	0.1	0.1
24			0.1	0.2	0.3	0.3	0.2	0.3	0.1	0.1	0.1	0.1
25			0.1	0.2	1.6	0.3	0.2	0.2	0.1	0.1	0.1	0.1
26			0.1	0.2	4.0	0.3	9.9	0.2	0.1	0.1	0.1	0.1
27			0.1	0.1	19.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1
28			0.1	0.1	1.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1
29			0.1	0.2	0.1	0.1	0.2	0.3	0.1	0.1	0.1	0.1
30			0.1	2.3	0.3	0.3	5.3	0.3	0.1	0.1	0.1	0.1
31			0.1	9.1	1.1	1.1	0.2	0.2	0.1	0.1	0.1	0.1
				296.9	51.6	45.1	127.2	78.6	3.5	3.1	3.1	3.0
MEAN				9.56	1.84	1.45	4.24	2.94	0.12	0.10	0.10	0.1
ACRE- FEET				589.	102.	89.	252.	156.	6.9	6.1	6.1	6.0
Remarks:									YEAR OR PERIOD	MEAN ACRE-FEET		INC. 1210.





STATION F118B-R  
PACOIMA CREEK below Pacoima Dam

LOCATION: WATER-STAGE RECORDER, LAT. 34°20'07", LONG. 118°23'50", 4 MILES NORTH-EAST OF SAN FERNANDO, AND ABOUT 500 FEET DOWNSTREAM FROM PACOIMA DAM; FORMER STATION F118-R WAS APPROXIMATELY 450 FEET DOWNSTREAM, FORMER STATION U13-R WAS APPROXIMATELY 0.5 MILE DOWNSTREAM, ELEVATION OF GAGE, ABOUT 1650 FEET.

DRAINAGE AREA: 28.2 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - GRAVEL AND BOULDERS ABOVE AND BELOW FLUME. CONTROL - A 10-FOOT SAN DIMAS TYPE RUBBLE AND CONCRETE FLUME. A 90° V-NOTCH WEIR CAN BE DROPPED 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 ANNUAL CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1933 TO SEPTEMBER 30, 1955.

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, 1955.

EXTREMES OF DISCHARGE:  
1953-54  
MAXIMUM 292 SECOND-FEET APRIL 5.  
MINIMUM NO FLOW AT VARIOUS TIMES.  
1954-55  
MAXIMUM 42 SECOND-FEET APRIL 21.  
MINIMUM NO FLOW AT VARIOUS TIMES.  
1916-29 (STATION U13-R)  
MAXIMUM 1860 SECOND-FEET FEBRUARY 16, 1927.  
MINIMUM NO FLOW AT VARIOUS TIMES.  
1929-55 (STATIONS F118-R, F118B-R AND PARSHALL FLUME AND DAM RECORDS.)  
MAXIMUM 685 SECOND-FEET MARCH 2, 1938.  
MAXIMUM 2060 SECOND-FEET MARCH 3, 1938, INCLUDING SPILLWAY DISCHARGE.  
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: EXCELLENT FOR LIMITS OF FLOW.

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

DISCHARGE MEASUREMENTS OF PACOIMA CREEK  
Below Pacoima Dam DURING THE YEAR ENDING SEPTEMBER 30, 1954

DISCHARGE MEASUREMENTS OF PACOIMA CREEK  
below Pacoima Dam DURING THE YEAR ENDING SEPTEMBER 30, 1955

NO.	DATE	BEGIN- END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAT. INH.	METH. DD	MEAN REC. NO.	D. CHG. TOTAL	METER NO.
616	4-5	0705 0715	TURNER-HYDE	10.0	11.8	7.52	1.18	88.8	+.6	12	0	FC43	
617	4-5	0950 1000	" "	10.0	27.4	10.2	2.74	280.	-.6	12	0	"	
618	4-5	1100 1108	" "	10.0	27.4	10.4	2.74	286.	-.6	12	0	"	
619	4-6	1052 1107	HYDE-BARR	10.0	21.3	9.39	2.13	200.	+.6	12	0	FC35	
620	4-6	1633 1643	HYDE-SCHONNING	10.0	24.6	10.1	2.46	248.	+.6	12	0	"	
621	4-9	0938 0947	BLAKELY-BARR	10.0	17.9	9.05	1.79	162.	-.6	12	0	FC24	
622	5-14	0950	BLAKELY				1.25	4.4				V-NOTCH WEIR	
623	5-19	1007	"				1.26	4.5				"	
624	5-26	1203	"				1.25	4.4				"	
625	6-2	1320	"				1.21	4.0				"	
626	6-9	1038	"				1.20	4.0				"	
627	6-17	1412	"				1.25	4.4				"	
628	6-24	1408	"				1.17	3.7				"	
629	7-1	1555	"				1.25	4.4				"	
630	7-6	0815	HYDE				1.20	4.0				"	
631	7-14	0825	"				1.35	5.3				"	
632	7-22	1615	DE MARS-HYDE				1.25	4.4				"	
633	7-29	1520	DE MARS				1.23	4.2				"	
634	8-5	1308	BLAKELY				1.08	3.1				"	
635	9-23	1234	"				1.26	4.5				"	
636	9-29	1228	"				0.18	0.04				"	

NO.	DATE	BEGIN- END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAT. INH.	METH. DD	MEAN REC. NO.	D. CHG. TOTAL	METER NO.
637	4-21	0938 0940	BLAKELY-BARR	10.0	5.14	7.14	0.44	36.7	.5	12	+0.03	FC24	
638	4-21	1042 1050	BLAKELY	10.0	5.45	7.12	0.52	38.8	.6	12	0	"	
639	4-23	1313	BLAKELY-BOLLINGER				1.64	8.5				"V" NOTCH WEIR	
640	4-25	0724	BLAKELY				1.99	13.8				"	
641	5-12	0750	HYDE				1.47	6.5				"	
642	5-19	0930	"				0.34	0.18				"	

FD-74M Cs 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F1188-R

Daily discharge, in second-feet of PACOIMA CREEK below Pacoima Dam for the year ending September 30, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	b +	b +	0	0	4.0	4.4	0.5	0
2	0	0	0	0			0	0	4.0	4.3	0.3	0
3	0	0	0	0			0	0	4.0	3.3	0.7	0
4	0	0	0	0			0	0	4.5	3.9	2.7	0
5	0	0	0	0			17.6	0	4.3	3.6	1.8	0
6	0	0	0	0			21.6	0	4.2	4.1	0.1	0
7	0	0	0	0			22.9	0	4.2	4.2	0.1	0
8	0	0	0	0			18.1	0	4.0	4.0	+	0
9	0	0	0	0			16.1	0	4.0	4.0	+	0
10	0	0	0	0			14.8	0	4.0	4.0	+	0
11	0	0	0	0				0	4.0	2.9	0	0
12	0	0	0	0				+	4.0	3.5	+	0
13	0	0	0	0				1.9	4.0	5.3	0	0
14	0	0	0	0				4.4	3.9	4.8	0	0
15	3.2	0	0	0				4.4	3.8	4.4	0	0
16	4.2	0	0	0				4.4	4.1	4.4	0	0
17	+	0	0	0				4.4	4.4	4.3	0	0
18	+	0	0	0				4.5	4.5	4.5	0	0
19	+	0	0	0				4.5	4.5	5.1	0	0
20	+	0	0	0				4.6	5.1	4.7	0	2.8
21	0	0	0	0				4.7	4.3	4.7	0	4.8
22	0	0	0	0				5.0	3.7	4.9	0	4.9
23	0	0	0	0				5.2	3.7	5.2	0	4.7
24	0	0	0	0.1				5.1	3.7	3.6	0	3.1
25	0	0	0	0.1				4.4	3.7	3.7	0	0.3
26	0	0	0	+				4.4	3.7	3.4	0	0.1
27	0	0	0					4.4	3.7	3.1	0	+
28	0	0	0					4.1	3.8	4.2	0	+
29	0	0	0					4.6	4.4	4.1	0	+
30	0	0	0					5.0	4.4	4.1	0	+
31	0	0	0					4.5	4.5	2.8	0	
	5.5	0	0	1.2	+	+	11.1	44.6	123.0	128.1	9.1	20.7

MEAN	0.18	0	0	0.04	+	+	37.0	2.73	4.10	4.13	0.29	0.69
ACRE-FOOT	11.	0	0	2.4	+	+	2200.	168.	244.	254.	18.	41.
Remarks:	+ = 0.05 c.f.s. or less											
	YEAR OR PERIOD MEAN ACRE-FOOT 4.06 2940.											

FD-74M Cs 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F1188-R

Daily discharge, in second-feet of PACOIMA CREEK below Pacoima Dam for the year ending September 30, 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	0	0	0	0	0	0	9.1	+	+	+	8.6
2		0	0	0	0	0	0	10.8				8.4
3		0	0	0	0	0	0	9.3				8.4
4		0	0	0	0	0	0	9.4				8.4
5		0	0	0	0	0	0	8.5				8.6
6	+	0	0	0	0	0	0	7.9				3.3
7	0	0	0	0	0	0	0	7.4				6.8
8	0	0	0	0	0	0	0	7.3				5.6
9	0	0	0	0	0	0	0	7.2				3.8
10	0	0	0	0	0	0	0	6.6				1.6
11	0	0	0	0	0	0	0	6.4				0.3
12	0	0	0	0	0	0	0	3.6				0.2
13	0	0	0	0	0	0	0	0.4				0.1
14	0	0	0	0	0	0	0	0.2				0.1
15	0	0	0	0	0	0	0	0.2				0.1
16	0	0	0	0	0	0	0	0.2				0.1
17	0	0	0	0	0	0	0	0.2				+
18	0	0	0	0	0	0	0	0.2				
19	0	0	0	0	0	0	0	0.2				
20	0	0	0	0	0	0	0	0.2				
21	0	0	0	0	0	0	14.7	0.1				
22	0	0	0	0	0	0	9.7	0.1				
23	0	0	0	0	0	0	8.6	0.1				
24	0	0	0	0	0	0	10.4	0.1			12.5	
25	0	0	0	0	0	0	12.8	0.1			9.1	
26	0	0	0	0	0	0	12.0	0.1			12.2	
27	0	0	0	0	0	0	11.8	+			9.4	+
28	0	0	0	0	0	0	12.4				9.4	0
29	0	0	0	0	0	0	14.3				9.2	0
30	0	0	0	0	0	0	13.9				9.1	0
31	0	0	0	0	0	0		+		+	9.1	
	0	0	0	0	0	0	119.6	102.5		80.0		69.5

MEAN	+	0	0	0	0	0	3.99	3.31	+	+	2.58	2.32
ACRE-FOOT	+	0	0	0	0	0	237.	203.	+	+	159.	138.
Remarks:	+ = 0.05 CFS OR LESS											
	YEAR OR PERIOD MEAN ACRE-FOOT 1.02 737.											

STATION F305-R  
PACOIMA DIVERSION at Branford Street

LOCATION: WATER-STAGE RECORDER, LAT. 34°14'04". LONG. 118°25'14". ON THE LEFT (NORTHEASTERLY) BANK OF THE CHANNEL, 35 FEET ABOVE BRANFORD STREET BRIDGE, ELEVATION OF ZERO GAGE HEIGHT 844 FEET.

CHANNEL AND CONTROL: TRAPEZOIDAL CONCRETE, WITH GROUTED ROCK WALLS, CHANNEL FORMS CONTROL.

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

RECORDER: A STEVENS TYPE A358 RECORDER INSTALLED OCTOBER 30, 1953 OVER A 48 INCH DIAMETER STILLING WELL AND IN SERVICE TO SEPTEMBER 1955.

REGULATION: FLOW REGULATED BY PACOIMA DAM AND PACOIMA SPREADING GROUNDS.

DIVERSIONS: SMALL DIVERSIONS FOR IRRIGATION NEAR MOUTH OF CANYON. WATER DIVERTED TO LOPEZ BASIN AND PACOIMA SPREADING GROUNDS DURING SPREADING OPERATIONS.

RECORDS AVAILABLE: OCTOBER 30, 1953 TO SEPTEMBER 30, 1955.

EXTREMES OF DISCHARGE:  
1953-54  
MAXIMUM 508 SECOND-FEET FEBRUARY 13.  
MINIMUM NO FLOW MOST OF YEAR.  
1954-55  
MAXIMUM 450 SECOND-FEET MAY 7.  
MINIMUM NO FLOW MOST OF YEAR.

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

DISCHARGE MEASUREMENTS OF PACOIMA DIVERSION  
AT Branford Street DURING THE YEAR ENDING SEPTEMBER 30, 1954

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. CD.	HEAR. REC. NO.	D. HT. CHANGE TOTAL	METER NO.
1	11-14	1240 1246	BLAKELY	30.0	7.71	7.21	0.55	55.6	.5	10		+08	FC24
2	1-12	1800 1805	BLAKELY-SPELLMAN	12.0	1.44	3.33	0.21	4.8	.5	6		+.01	"
3	1-18	0935 0939	BLAKELY	9.5	0.74	2.44	0.13	1.8	.5	6		0	FC53
4	1-18	1847 1853	BLAKELY-SPELLMAN	19.0	3.55	4.22	0.36	15.0	.5	10		+.02	FC24
5	1-19	0257 0251	" "	37.5	21.6	9.19	0.81	197.	.6	12		+.01	"
6	1-19	1600 1615	" "	36.0	34.1	12.7	1.32	432.	.6	9		+.09	"
7	1-24	1358 1406	" "	32.0	9.04	7.62	0.60	68.9	.5	11		+.01	"
8	1-24	2023 2028	" "	15.5	1.81	4.09	0.23	7.4	.5	9		0	"
9	2-13	1312 1320	BLAKELY-BLAKE	33.0	14.6	9.38	0.72	137.	.6	11		+.05	"
10	2-13	0825 1325	" "	34.0	24.2	11.7	1.19	284.	.6	9		-.14	PITOT
11	3-20	0803 0814	HYDE-OCAMPO	31.5	11.7	9.15	0.64	107.	.5	12		0	FC35
12	3-30	0107 0115	BLAKELY-BLAKE	33.5	17.1	10.6	0.77	182.	.6	11		-.06	FC24

DISCHARGE MEASUREMENTS OF PACOIMA DIVERSION  
AT Branford Street DURING THE YEAR ENDING SEPTEMBER 30, 1955

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. CD.	HEAR. REC. NO.	D. HT. CHANGE TOTAL	METER NO.
13	11-11	0016 0028	BLAKELY	30.0	8.67	6.11	0.62	53.0	.5	10		+02	FC24
14	11-12	0012 0022	BLAKELY-BLAKE	31.5	6.83	5.81	0.52	29.7		9	LOAT	-.02	
15	1-6	1023 1033	" "	31.0	7.78	4.54	0.48	35.2		11		0	
16	1-10	0753 0759	" "	32.0	6.36	4.78	0.47	30.4		10		-.04	
17	1-18	1012 1018	" "	32.0	11.0	6.98	0.64	76.8		6		+.01	
18	1-18	1430 1436	" "	31.0	9.63	6.41	0.68	61.7	.6	8		-.01	PITOT
19	1-18	1442 1448	" "	32.0	10.3	7.35	0.64	75.7		7	LOAT	-.02	

FD-241M Cb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F305-R

Daily discharge, in second-feet of PACOIMA DIVERSION at Branford Street for the year ending September 30, 1954

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	3.0	0	0	0	0	0				
5	0	0	+	0	+	0	5.7	0				
6	0	0	0	0	0	0	0	0.1				
7	0	0	0	0	0	0	0	0				
8	0	0	0	0	0	0	0	0				
9	0	0	0	0	0	0	0	0				
10	0	0	0	0	0	0	0	0				
11	0	0	0	0	0	0	22.6	0				
12	0	0	0	2.4	0	0	0	0				
13	0	0	0	0	10.3	0	0	0				
14	0	15.0	0	0	10.8	0	0	0				
15	0	0	0.3	0	+	0	0	0				
16	0	0	0.4	0	0	3.6	0	0				
17	0	0	0	2.1	0.3	2.5	0	0				
18	0	0	0	11.6	1.8	0	0	0				
19	0	0	0	11.6	0	0	0	0				
20	0	0.2	0	2.4	0	3.0	0	0				
21	0	0	0	0	0	3.2	0	0				
22	0	0	0	0.1	0	7.6	0	0				
23	0	0	0	0.1	0	0.4	0	0				
24	0	0	0	3.7	0	19.4	0	0				
25	0	0	0	2.2	0	1.7	0	0				
26	0	0.1	0	0	0	0	0	0				
27	0	0	0	0.2	0	0	0	0				
28	0	0	0	0	0	0	0	0				
29	0	0	0	0	0	11.6	0	0				
30	0	0	0	0	0	16.2	0	0				
31	0	0	0	0	0	0.2	0	0				
0		16.5	3.7	215.6	115.9	128.8	11.2	0.3				0

MEAN	0	0.55	0.12	6.95	4.14	4.15	0.37	0.01	0	0	0	0
ACRE- FEET	0	33.	7.3	428.	230.	255.	22.	0.6	0	0	0	0

Remarks: + = 0.05 cfs or less  
YEAR OR PERIOD MEAN ACRE-  
FEET 1.35  
975.

FD-241M Cb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

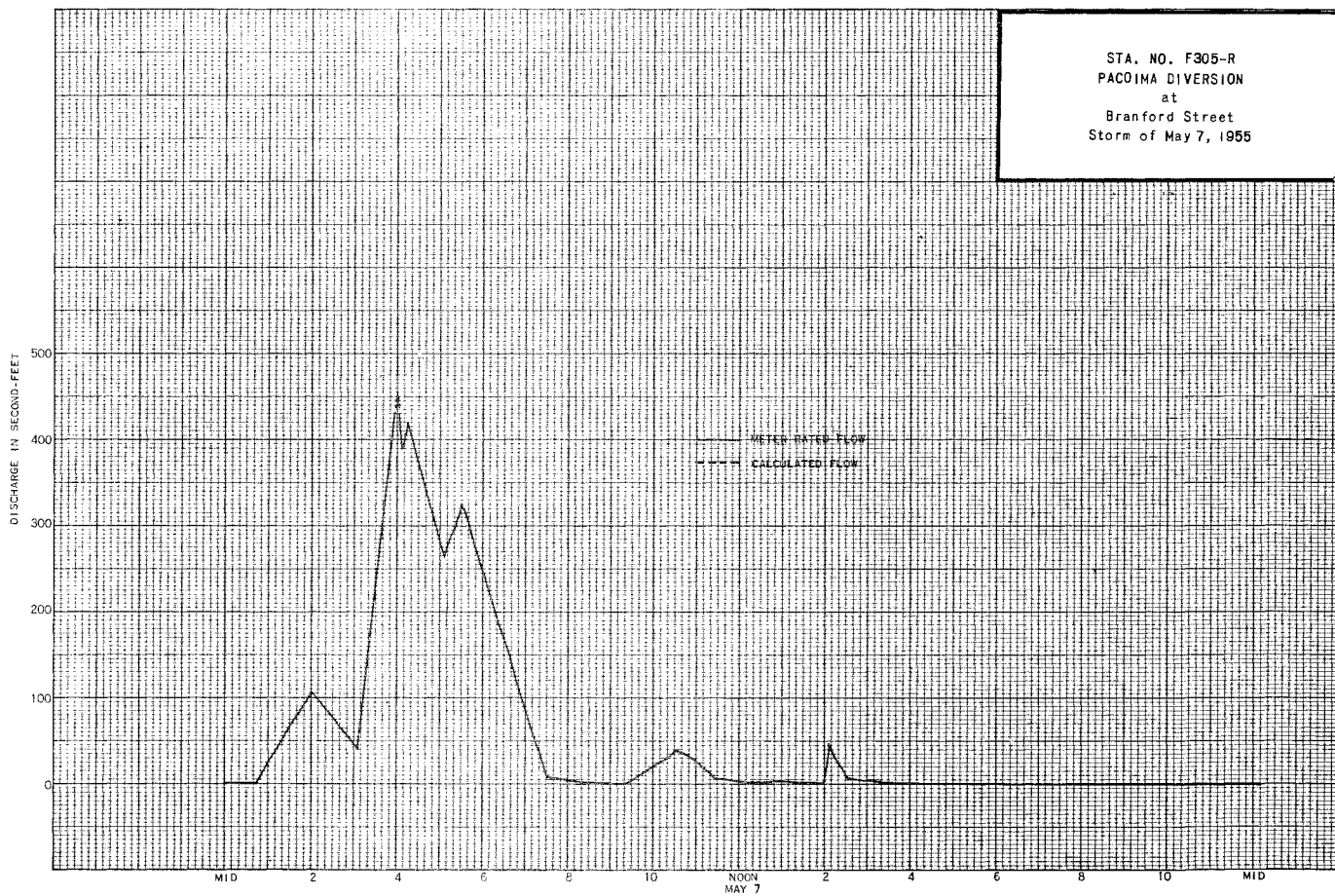
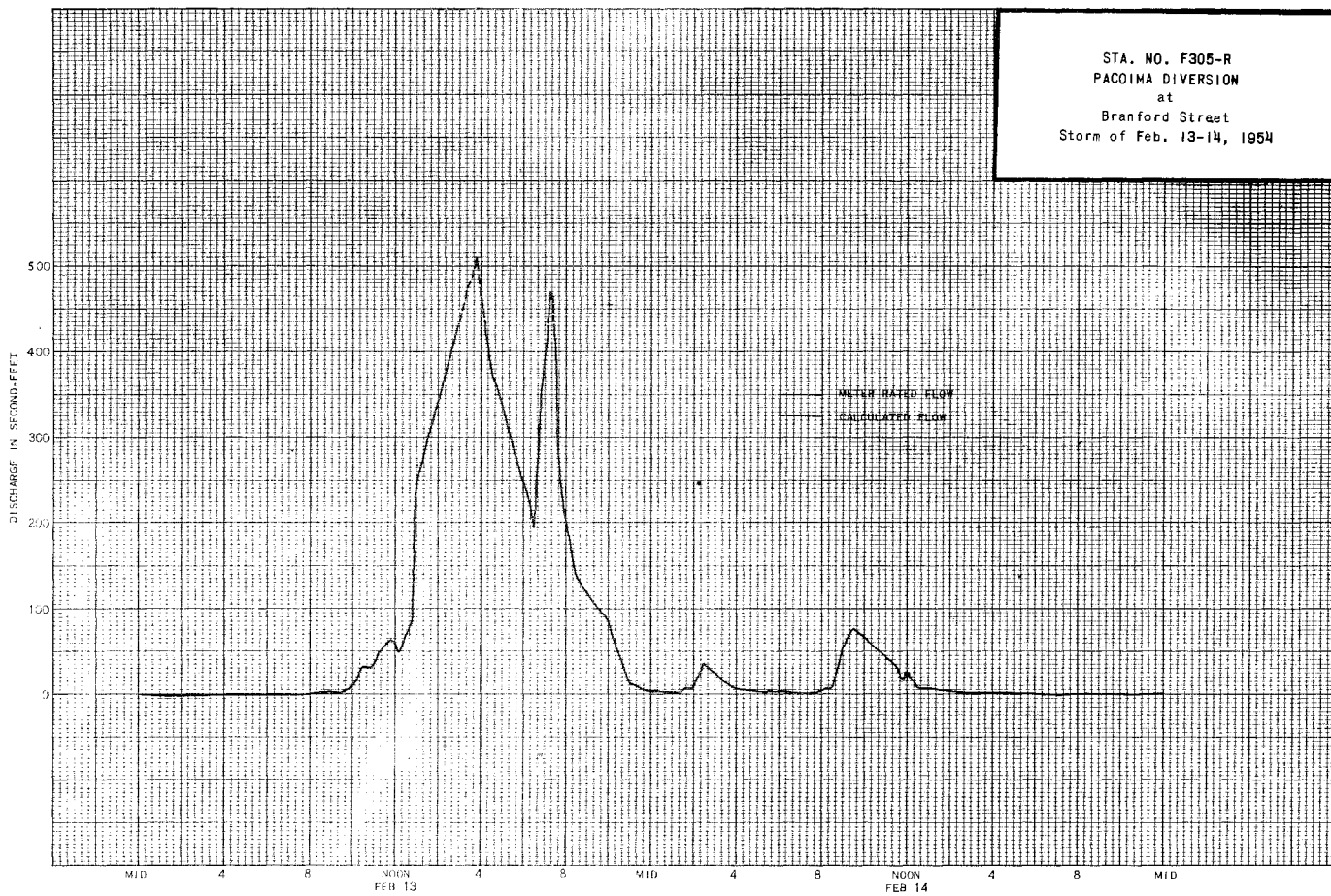
Sta. No. F305R

Daily discharge, in second-feet of PACOIMA DIVERSION at Branford Street for the year ending September 30, 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	10.4	0	0	0	0				
2	0	0	0	0.2	0	0	0	0				
3	0	0	10.2	1.1	0	0	0	0				
4	0	0	0.4	0	0	0	0	0				
5	0	0	0	0	0	0	0	0				
6	0	0	0	2.1	0	0	0	0				
7	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	0.7	2.0	2.3	0	4.2	0	0				
11	0	4.9	0.2	0.2	0	1.7	0	0				
12	0	3.5	+	0	0	0	0	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	3.0	15.7	0	0	0				
17	0	0	0	+	1.5	0	0	0				
18	0	0.1	0	3.0	0	0	0	0				
19	0	+	0	0.4	0	0	0	0				
20	0	0	0	0	0.4	0	0	0				
21	0	0	0	0	0	0.3	1.7	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	0.1	0.5	1.8	0				
27	0	0	0	0	12.4	1.1	0	0				
28	0	0	0	0	0.2	0	0	0				
29	0	1.6	0	0	0	0	0	0				
30	0	0	0	0	0	0	0	0				
31	0	0	0	5.1	0	0	3.1	0				
0		57.3	33.8	157.9	35.6	3.1	72.5	67.5	0	0	0	0

MEAN	0	1.91	1.26	5.23	1.27	0.26	2.42	2.18	0	0	0	0
ACRE- FEET	0	114.	77.	317.	71.	16.	144.	134.	0	0	0	0

Remarks: + = 0.05 CFS OR LESS  
YEAR OR PERIOD MEAN ACRE-  
FEET 1.20  
873.



STATION F15-R  
PACOIMA WASH at Van Nuys Boulevard

LOCATION: WATER-STAGE RECORDER, LAT. 34°12'24", LONG. 118°26'55", ON THE RIGHT (SOUTH) BANK OF THE CHANNEL, 60 FEET ABOVE VAN NUYS BOULEVARD BRIDGE, AND AT UPSTREAM END OF TRANSITION TO CONCRETE-LINED CHANNEL. ELEVATION OF ZERO GAGE HEIGHT 754.12 FEET.

DRAINAGE AREA: 51.5 SQUARE MILES.

CHANNEL AND CONTROL: SAND BOTTOM WITH PIPE AND WIRE SIDES 30 FEET WIDE AND 10 FEET DEEP. TRANSITION TO CONCRETE-LINED CHANNEL FORMS CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING, HIGH FLOWS MEASURED FROM FOOTBRIDGE ON UPSTREAM SIDE OF VAN NUYS BOULEVARD BRIDGE.

RECORDER: INSTALLED OCTOBER 14, 1952 OVER A 3 FT. X 3 FT. STILLING WELL. AN H.C.F. RECORDER WAS IN SERVICE FROM OCTOBER 1, 1953 TO SEPTEMBER 30, 1955.

REGULATION: FLOW PARTIALLY REGULATED BY PACOIMA SPREADING GROUNDS.

DIVERSIONS: NONE

RECORDS AVAILABLE: OCTOBER 14, 1952 TO SEPTEMBER 30, 1955. RECORDS FOR STATION F16-R, PACOIMA WASH AT PARTHENIA STREET, AVAILABLE FROM DECEMBER 26, 1928 TO SEPTEMBER 9, 1952.

EXTREMES OF DISCHARGE:

1953-54  
MAXIMUM 311 SECOND-FEET FEBRUARY 13.  
MINIMUM NO FLOW MOST OF YEAR.

1954-55  
MAXIMUM 233 SECOND-FEET JANUARY 10.  
MINIMUM NO FLOW MOST OF YEAR

1952-55  
MAXIMUM 785 SECOND FEET NOVEMBER 15, 1952.  
MINIMUM NO FLOW MOST OF EACH YEAR

ACCURACY

1953-54 GOOD  
1954-55 POOR

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

DISCHARGE MEASUREMENTS OF PACOIMA WASH  
AT Van Nuys Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 19 54

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. INB	METH. CD	WEAR. REC. NO.	S. BY CHANGE TOTAL	METER NO.
11	11-14	1522 1528	BLAKELY	19.0	4.88	1.68	1.97	8.2	.5	7	-.06		FC24
12	1-12	1525 1530	BLAKELY-SPELLMAN	25.0	8.95	2.82	2.15	25.2	.5	8	+.02		"
13	1-19	0330 0336	" "	22.5	15.8	4.04	2.43	63.8	.6	8	+.04		"
14	1-19	1707 1724	" "	22.0	31.8	7.30	3.17	232.	.6	9	+.04		"
15	1-24	1446 1450	" "	11.3	3.34	2.60	2.00	8.7	.5	7	0		"
16	1-25	0338 0404	" "	22.5	6.53	2.39	1.96	15.6	.5	8	+.01		"
17	2-13	1410 1416	BLAKELY-BLAKE	23.0	14.8	4.28	2.22	63.4	.6	8	+.03		"
18	2-13	2056 2104	" "	23.0	13.4	4.27	2.28	57.2	.5	8	-.02		"
19	2-14	1203 2148 2154	" "	23.5	4.24	1.37	1.92	5.8	.5	8	-.03		"
20	3-16	0726 0736	HYDE-OCAMPO	22.0	6.39	2.51	1.94	16.0	.5	11	0		FC35
22	3-24	1457 1509	GODFREY	14.0	2.78	2.05	1.82	5.7	.5	10	0		FC28
23	3-30	0028 0035	BLAKELY-BLAKE	22.5	14.1	4.40	2.12	62.1	.5	8	+.01		FC24

DISCHARGE MEASUREMENTS OF PACOIMA WASH  
AT Van Nuys Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 19 55

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. INB	METH. CD	WEAR. REC. NO.	S. BY CHANGE TOTAL	METER NO.
24	11-11	0614 0620	BLAKELY	19.0	5.77	2.55	1.86	14.7	.5	7	-.01		FC24
25	12-3	2126 2132	BLAKELY-BLAKE	17.0	4.37	1.51	2.74	6.6	.5	7	0		"
26	12-9	2225 2231	BLAKELY	26.5	26.8	3.70	3.26	99.0	.6	9	-.03		"
27	1-6	1131 1138	BLAKELY-BLAKE	22.0	4.18	3.70	2.88	15.5	.5	7	+.04		"
28	1-6	1420 1426	" "	22.0	10.4	5.13	3.01	53.4	.5	7	-.02		"
29	1-10	0651 0701	" "	22.0	24.0	6.17	3.22	148.	.6	9	-.08		"
30	1-10	1402 1409	" "	13.0	2.62	0.31	2.64	0.80	.5	6	-.01		"
31	1-18	1052 1056	" "	28.0	26.0	5.58	3.10	145.	.6	9	-.03		"
32	1-18	1327 1333	" "	28.0	27.0	5.26	3.14	142.	.6	9	-.01		"
33	2-17	0355 0402	" "	26.0	5.30	1.10	2.77	5.8	.5	9	-.01		"
34	2-27	1402 1408	" "	10.0	1.69	0.71	2.65	1.2	.5	7	0		"
35	4-22	0252 0256	" "	27.0	10.7	2.98	2.82	31.9	.5	9	-.01		"
36	4-30	1323 1329	" "	27.0	18.2	4.06	3.06	74.0	.6	9	-.01		"

FD-704M Gb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F15-R

Daily discharge, in second-feet of PACOIMA WASH at Van Nuys Boulevard for the year ending September 30, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	0				
2	0	0	0	0	0	0	0	0				
3	0	0	0	0	0	0	0	0				
4	0	0	0	0	0	0	0	0				
5	0	0	0	0	0	0	0	0				
6	0	0	0	0	0	0	0	0				
7	0	0	0	0	0	0	0	0				
8	0	0	0	0	0	0	0	0				
9	0	0	0	0	0	0	0	0				
10	0	0	0	0	0	0	0	0				
11	0	0	0	0	0	0	0	0				
12	0	0	0	1.7	0	0	0	0				
13	0	0	0	0	5.2	0	0	0				
14	0	0	0	0	2.1	0	0	0				
15	0	0.8	0	0	0	0	0	0				
16	0	0	0	0	0	1.9	0	0				
17	0	0	0	0	0	0.5	0	0				
18	0	0	0	0	0	0	0	0				
19	0	0	0	0.8	0	0	0	0				
20	0	0	0	1.9	0	0.1	0	0				
21	0	0	0	0	0	0	0	0				
22	0	0	0	0	0	+	0	0				
23	0	0	0	0	0	0	0	0				
24	0	0	0	5.6	0	1.2	0	0				
25	0	0	0	5.8	0	0.3	0	0				
26	0	0	0	0	0	0	0	0				
27	0	0	0	0	0	0	0	0				
28	0	0	0	0	0	0	0	0				
29	0	0	0	0	0	0.9	0	0				
30	0	0	0	0	0	0	0	0				
31	0	0	0	0	0	0.6	0	0				
	0	0.8	0	32.8	54.1	21.5	0	0				

MEAN	0	0.03	0	2.67	1.93	0.69	0	0	0	0	0	0
ACRE- FEET	0	1.6	0	164.	107.	43.	0	0	0	0	0	0
Remarks:												
	YEAR OR PERIOD MEAN ACRE-FOOT 0.44											
	316.											

FD-704M Gb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

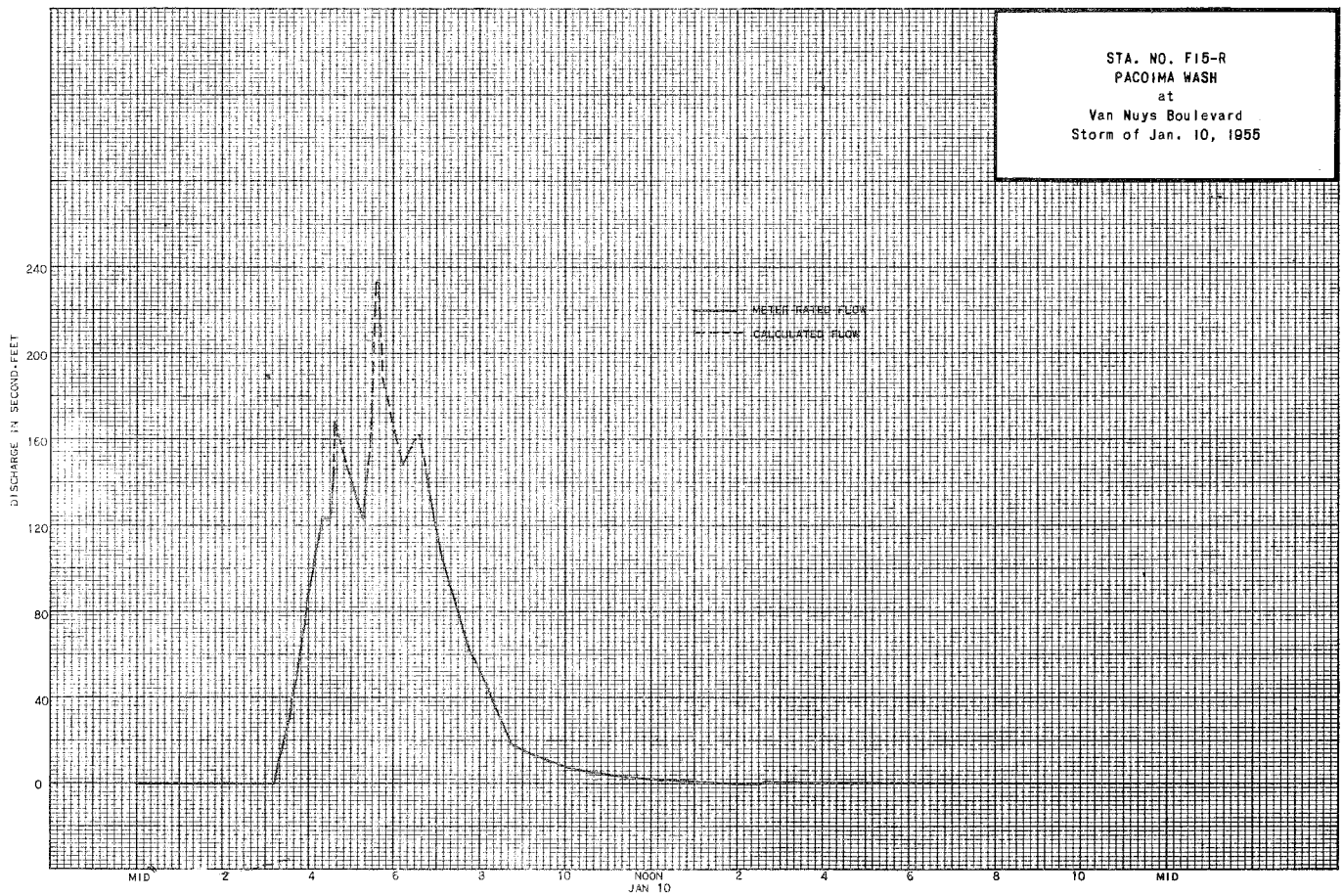
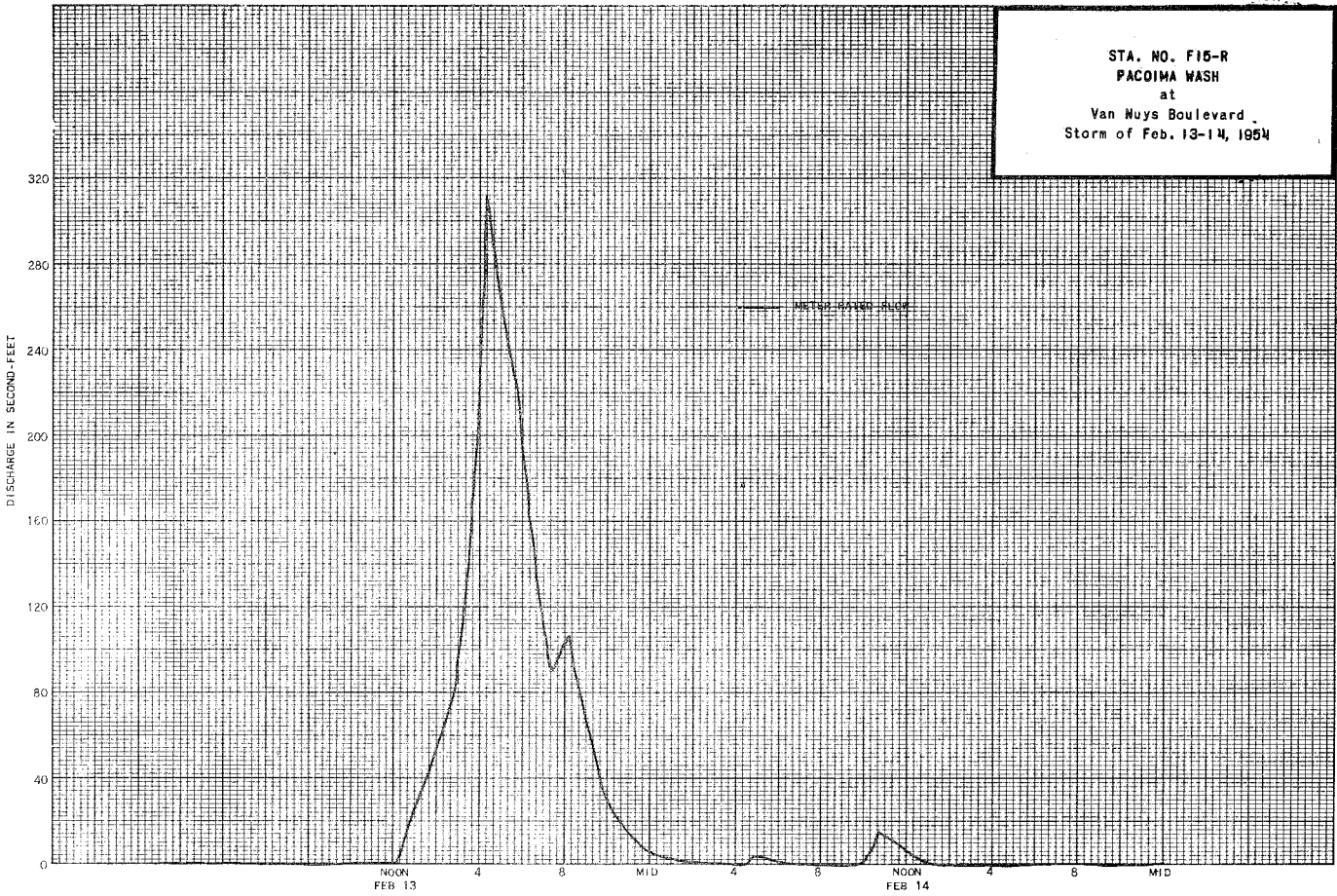
Sta. No. F15R

Daily discharge, in second-feet of PACOIMA WASH at Van Nuys Boulevard for the year ending September 30, 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0.3	0	0	0	0.4	0			
2	0	0	0	0	0	0	0	0	0			
3	0	0	0.3	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	8.8	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	6.5	0	0	0	0	0	0			
10	0	0	0.7	2.5	0	0	0	0	0			
11	0	3.1	0	0	0	0.2	0	0	0			
12	0	1.5	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	6.1	0	0	0	0	0			
17	0	0	0	0	2.1	0	0	0	0			
18	0	0	0	4.3	+	0	0	0	0			
19	0	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			
22	0	0	0	0	0	0	3.6	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			
27	0	0	0	0	1.3	0	0	0	0			
28	0	0	0	0	0	0	0	0	0			
29	0	0	0	0	0	0	0	0	0			
30	0	0	0	0	0	0	2.5	0	0			
31	0	0	0	1.4	0	0	0	0	0			
	0	4.6	7.5	34.6	3.4	0.2	29.6	6.7	0	0	0	0

MEAN	0	0.15	0.24	2.73	0.12	.006	0.99	0.22	0	0	0	0
ACRE- FEET	0	9.1	15.	168.	6.7	0.4	59.	13.	0	0	0	0
Remarks:	+ = 0.05 CFS OR LESS											
	YEAR OR PERIOD MEAN ACRE-FOOT 0.34											
	271.											





STATION F135-R  
PLACERITA CREEK at Ridge Route Highway

LOCATION: WATER-STAGE RECORDER, LAT. 34°24'52", LONG. 118°32'34", ON THE RIGHT (EAST) BANK AND ON THE UPSTREAM SIDE OF RIDGE ROUTE HIGHWAY BRIDGE, ABOUT 700 FEET WEST OF RIDGE ROUTE AND HIGHWAY 6 JUNCTION.

DRAINAGE AREA: 40.9 SQUARE MILES.

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

DISCHARGE MEASUREMENTS: LOW FLOWS BY WADING, HIGH FLOWS MEASURED BY CABLE CAR, 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, 1953 TO SEPTEMBER 30, 1955.

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

DIVERSIONS: NONE.

RECORDS AVAILABLE: SEPTEMBER 9, 1947 TO SEPTEMBER 30, 1955. FOR PREVIOUS MEASUREMENTS AND RECORDS SEE STAFF GAGE STATION F135-S, NEWHALL CREEK, IN THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT FILES.

EXTREMES OF DISCHARGE:

1953-54  
MAXIMUM 1100 SECOND-FEET JANUARY 19.  
MINIMUM NO FLOW MOST OF YEAR.

1954-55  
MAXIMUM 460 SECOND-FEET JANUARY 18.  
MINIMUM NO FLOW MOST OF YEAR.

1947-55  
MAXIMUM 6800 SECOND-FEET JANUARY 15, 1952.  
MINIMUM NO FLOW MOST OF EACH YEAR.

ACCURACY: GOOD

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

DISCHARGE MEASUREMENTS OF PLACERITA CREEK  
AT Ridge Route Highway DURING THE YEAR ENDING SEPTEMBER 30, 19 54

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAT. INS	METH. CD	MEAN REC. NO.	Q. CHANGES TOTAL	METER NO.
46	11-14	1905 1916	TURNER	14.0	3.88	2.09	2.53	8.1		.6	8	+.05	FC43
47	1-19	0750 0756	TURNER-ROGERS	4.0	0.87	1.49	2.00	1.3		.6	6	+.01	"
48	1-19	1645 1652	"	57.0	50.7	5.34	3.04	271.		.6	9	+.02	"
49	1-19	2312 2318	"	21.0	7.50	2.91	2.56	21.8		.6	7	+.08	"
50	1-24	1620 1628	"	52.6	26.0	4.12	2.84	107.		.6	10	+.02	"
51	1-25	0050 0050	"	56.5	62.0	6.19	3.04	384.		.6	10	+.30	"
52	1-25	1040 1047	"		CHANNELS		2.18	9.6		.5	11	+.01	"
53	2-13	1657 1706	"	56.0	64.9	7.04	3.14	457.		.6	8	+.02	"
54	2-13	2013 2023	"	50.0	25.0	4.56	2.53	114.		.6	11	0	"
55	2-14	1522 1528	"		CHANNELS		1.98	1.3		.5	9	0	"
56	3-20	0615 0622	"	53.0	37.0	4.97	2.59	184.		.6	9	+.02	"

DISCHARGE MEASUREMENTS OF PLACERITA CREEK  
AT Ridge Route Highway DURING THE YEAR ENDING SEPTEMBER 30, 19 55

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAT. INS	METH. CD	MEAN REC. NO.	Q. CHANGES TOTAL	METER NO.
57	1-16	0915 0925	TURNER-ROGERS		CHANNELS		2.02	5.4		.5	13	0	FC43
58	1-18	1503 1513	"	49.6	24.1	4.09	2.50	98.5		.6	13	0	"
59	2-27	1017 1025	"		CHANNELS		2.01	8.8		.6	11	-.02	"
60	2-27	1320 1330	"		"		2.02	30.0		.5	15	-.05	"
61	3-30	1034 1037	TURNER	1.4	0.05	0.40	1.60	0.02		.5	4	0	FC60

76074M Gb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F135-R

Daily discharge, in second-feet of PLACERITA CREEK at Ridge Route Highway for the year ending September 30, 19 54

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	0				
2	0	0	0	0	0	0	0	0				
3	0	0	0	0	0	0	0	0				
4	0	0	0	0	0	0	0	0				
5	0	0	0	0	0	0	0	0				
6	0	0	0	0	0	0	0	0				
7	0	0	0	0	0	0	0	0				
8	0	0	0	0	0	0	0	0				
9	0	0	0	0	0	0	0	0				
10	0	0	0	0	0	0	0	0				
11	0	0	0	0	0	0	0	0				
12	0	0	0	0	1.2	9	0	0				
13	0	0	0	0	0	0	0	0				
14	0	9.0	0	0	6.3	0	0	0				
15	0	0	0	0	0.4	0	0	0				
16	0	0	0	0	0	4.6	0	0				
17	0	0	0	0	0	0.1	0	0				
18	0	0	0	+	0.2	0	0	0				
19	0	0	0	1.2	4	0	0	0				
20	0	0	0	0.5	0	5.1	0	0				
21	0	0	0	0	0	0	0	0				
22	0	0	0	0	0	1.0	0	0				
23	0	0	0	0	0	0	0	0				
24	0	0	0	0.5	0	0.1	0	0				
25	0	0	0	0.3	0	0.5	0	0				
26	0	0	0	0	0	0	0	0				
27	0	0	0	0	0	0	0	0				
28	0	0	0	0	0	0	0	0				
29	0	0	0	0	0	0	0	0				
30	0	0	0	0	0	1.5	0	0				
31	0	0	0	0	0	0	0	0				
	0	9.0	0	247.5	135.9	113.8	0	0	0	0	0	0

MEAN	0	0.30	0	7.98	4.85	3.67	0	0	0	0	0	0
ACRE-FOOT	0	18.0	0	491.	270.	226.	0	0	0	0	0	0

Remarks: + = 0.05 cfs or less

YEAR OR PERIOD MEAN 1.39  
ACRE-FOOT 1000.

76074M Gb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F135-R

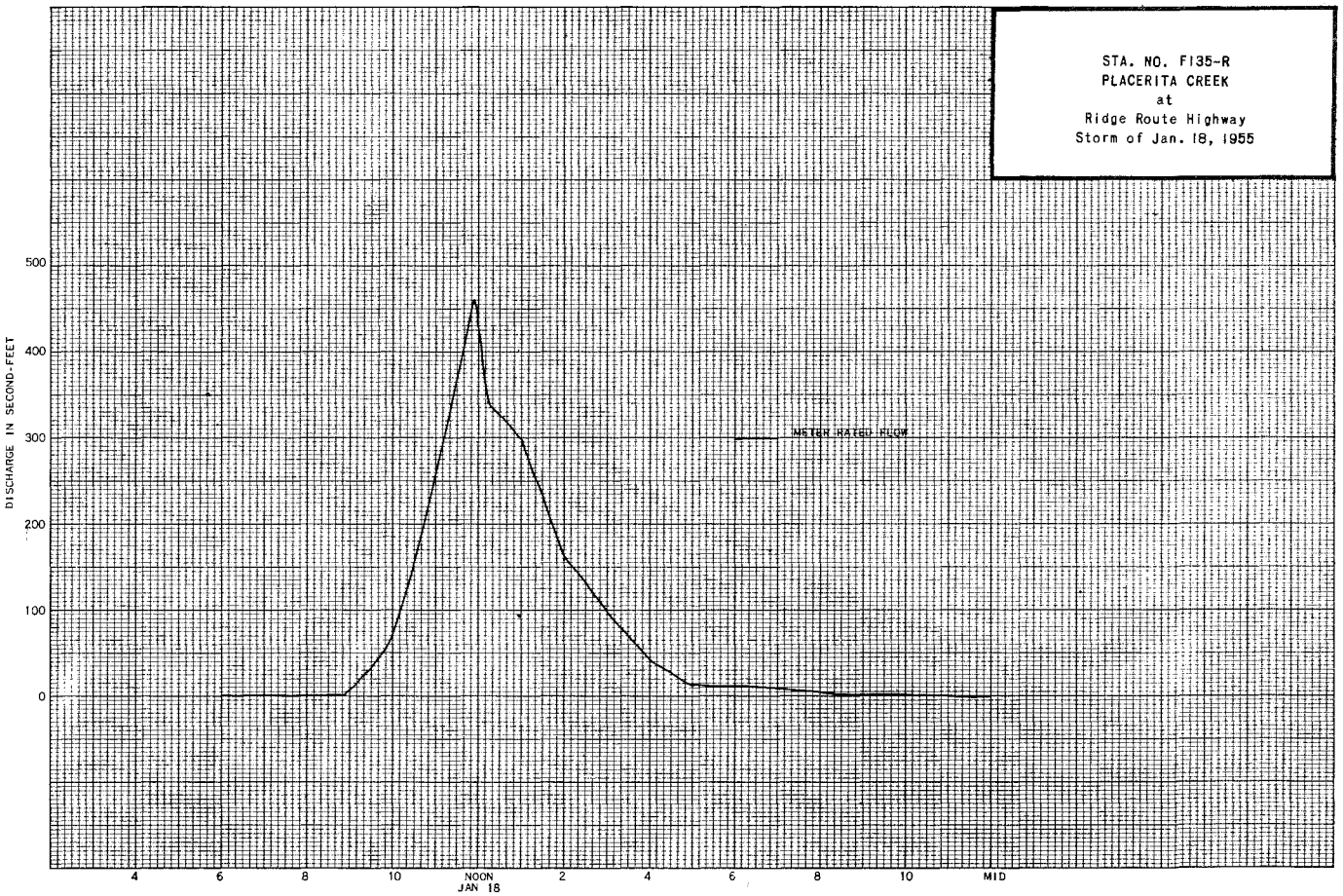
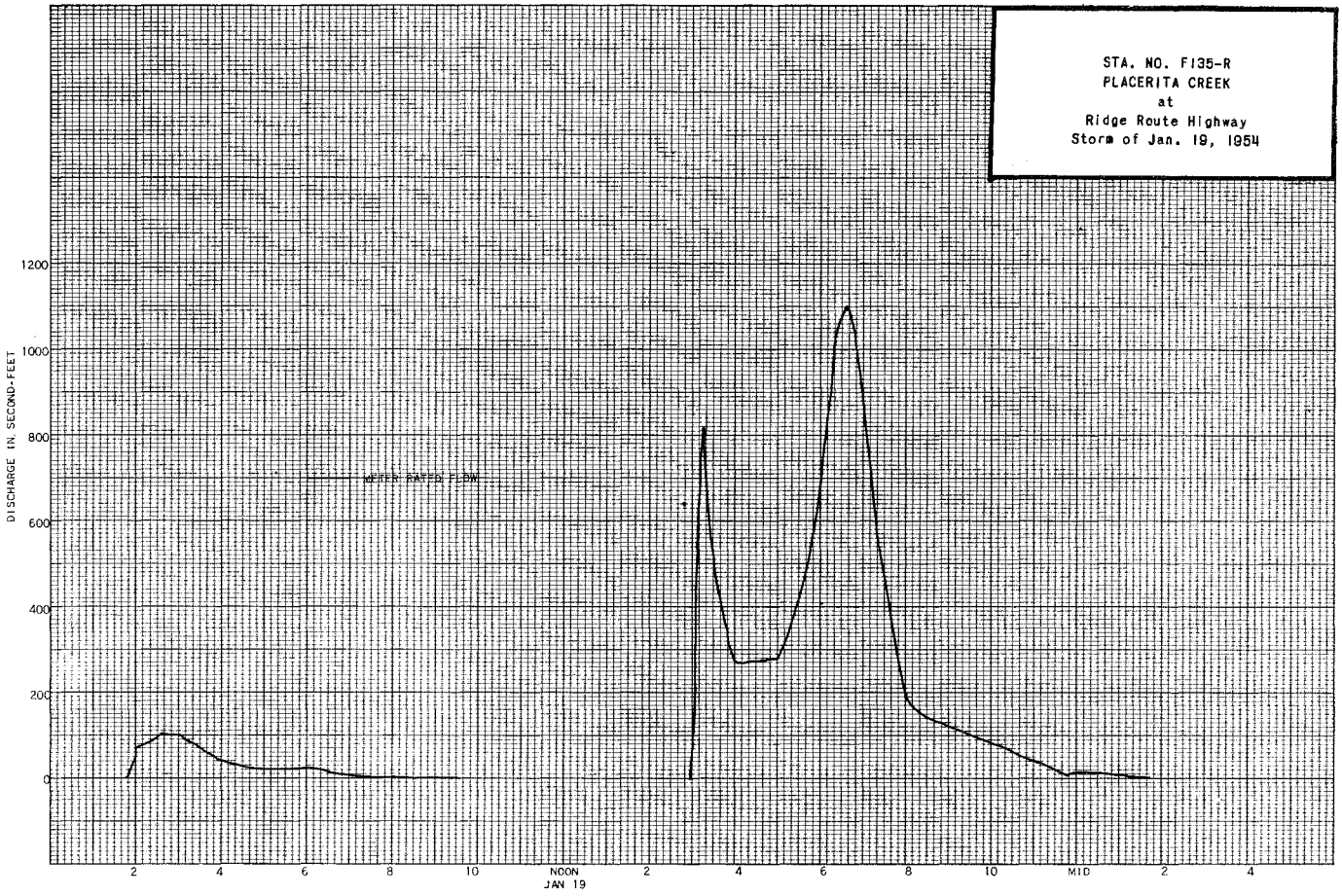
Daily discharge, in second-feet of PLACERITA CREEK at Ridge Route Highway for the year ending September 30, 19 55

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				
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				
10	0	0	0	4.3	0	0	0	0				
11	0	0	0	0	0	0	0	0				
12	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				
18	0	0	0	0	0	0	0.1	0				
19	0	0	0	0	0	0	+	0				
20	0	0	0	0	0	0	0	0				
21	0	0	0	0	0	0	+	0				
22	0	0	0	0	0	0	0.1	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	1.3	0	0	0				
28	0	0	0	0	+	0	0	0				
29	0	0	0	0	0	0	0	0				
30	0	0	0	0	0	0	2.4	0				
31	0	0	0	+	0	0	0	0				
	0	0	0	62.9	13.0	0	24.2	0	0	0	0	0

MEAN	0	0	0	2.03	0.46	+	0.81	0.02				
ACRE-FOOT	0	0	0	125.	26.	+	48.	1.0				

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.26  
ACRE-FOOT 200.



STATION F307-R  
 PUDDINGSTONE DIVERSION CHANNEL  
 San Dimas Water Company Outlet  
 at Juanita Avenue

LOCATION: WATER STAGE RECORDER ON PUDDINGSTONE DIVERSION CHANNEL 30 FEET BELOW JUANITA AVENUE.

DRAINAGE AREA: NONE

RECORDER: A STEVENS TYPE L RECORDER INSTALLED ON STILLING WELL IN WEIR BOX MOUNTED ABOVE PUDDINGSTONE DIVERSION CHANNEL USED FOR SAN DIMAS WATER COMPANY RELEASES TO PUDDINGSTONE RESERVOIR.

REGULATION: REGULATED BY SAN DIMAS WATER COMPANY AT THE REQUEST OF THE LOS ANGELES COUNTY PARKS AND RECREATION DEPARTMENT. THIS IS FOREIGN WATER FURNISHED BY THE METROPOLITAN WATER DISTRICT.

RECORDS AVAILABLE: JUNE 1923 TO SEPTEMBER 30, 1955.

ACCURACY: EXCELLENT

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

750743 C 12-53

LOS ANGELES COUNTY  
 FLOOD CONTROL DISTRICT  
 HYDRAULIC DIVISION

Sta. No. F307-R

Daily discharge, in second-feet of PUDDINGSTONE DIVERSION CHANNEL - SAN DIMAS WATER COMPANY OUTLET at Juanita Avenue year ending September 30, 1954

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	6.62
2	0	0	0	0	0	0	1.8	0	0	0	0	4.64
3	0	0	0	0	0	0	0	0	0	0	6.13	3.84
4	0	0	0	0	0	0	0	0	0	0	122.7	3.70
5	0	0	0	0	0	0	0	0	0	0	6.25	3.70
6	0	0	0	0	0	0	0	0	0	0	0	4.20
7	0	0	0	0	0	0	0	0	0	0	0	5.43
8	0	0	0	0	0	0	0	0	0	0	0	4.02
9	0	0	0	0	0	0	0	0	0	0	0	5.12
10	0	0	0	0	0	0	0	0	0	0	0	5.18
11	0	0	0	0	0	0	0	0	0	0	0	3.47
12	0	0	0	0	0	0	0	0	0	0	0	4.72
13	0	0	0	0	0	0	0	0	0	0	2.58	5.35
14	0	0	0	0	0	0	0	0	0	0	7.00	5.35
15	0	0	0	0	0	0	0	0	0	0	7.07	3.85
16	0	0	0	0	0	0	0	0	0	0	5.88	2.69
17	0	0	0	0	0	0	0	0	0	0	5.27	2.99
18	0	0	0	0	0	0	0	0	0	0	4.67	3.40
19	0	0	0	0	0	0	0	0	0	0	5.09	3.37
20	0	0	0	0	0	0	0	0	0	0	5.53	4.24
21	0	0	0	0	0	0	0	0	0	0	5.53	4.55
22	0	0	0	0	0	0	0	0	0	0	5.11	0
23	0	0	0	0	0	0	0	0	0	0	5.37	0
24	0	0	0	0	0	0	0	0	0	0	4.79	0
25	0	0	0	0	0	0	0	0	0	0	5.01	0
26	0	0	0	0	0	0	0	0	0	0	4.58	0
27	0	0	0	0	0	0	0	0	0	0	4.74	0
28	0	0	0	0	0	0	0	0	0	0	4.52	0
29	0	0	0	0	0	0	0	0	0	0	4.62	0
30	0	0	0	0	0	0	0	0	0	0	6.07	0
31	0	0	0	0	0	0	0	0	0	0	6.49	0
	0	0	0	0	0	0	1.8	0	0	0	125.4	30.43
MEAN	0	0	0	0	0	0	0.06	0	0	0	4.05	3.01
ACRE-FOOT	0	0	0	0	0	0	3.6	0	0	0	249.	179.

Remarks:

YEAR OR PERIOD MEAN ACRE-FOOT  
 431.8

WD704 Cb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F307-R

Daily discharge, in second-feet of PUDDINGSTONE DIVERSION CHANNEL - SAN DIMAS WATER COMPANY OUTLET at Juanita Avenue for the year ending September 30, 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	7.59	7.98	0	0	0	5.74	11.09	0	0	2.15	0
2	0	6.25	7.98	0	0	0	0	11.20	0	0	4.18	0
3	0	5.70	7.98	0	0	0	0	11.20	0	0	4.18	0
4	0	4.76	7.98	0	0	0	0	11.20	0	0	4.18	0
5	0	4.51	7.98	0	0	0	0	7.87	0	0	4.18	0
6	0	7.57	4.99	0	0	0	0	0	0	0	4.18	0
7	0	6.56	+	0	0	0	0	0	0	0	4.18	0
8	0	4.92	0	0	0	0	0	0	0	0	3.55	0
9	0	4.67	0	0	0	0	3.40	0	0	0	1.78	0
10	0	5.62	0	0	0	0	6.62	0	0	0	1.19	0
11	0	6.99	0	0	0	0	6.62	0	0	0	0	0
12	0	7.52	0	0	0	0	6.62	0	0	0	0	0
13	0	8.19	0	0	0	0	6.62	0	0	0	0	0
14	1.05	8.19	0	0	0	0	0	0	0	0	0	0
15	4.57	8.19	+	0	0	0	5.40	0	0	0	0	0
16	4.73	8.19	0	0	0	0	4.67	0	0	0	0	0
17	4.34	8.19	0	0	0	0	3.36	0	0	0	0	0
18	4.34	8.19	0	0	0	0	2.42	0	0	0	0	0
19	4.38	7.98	0	0	0	0	2.42	0	0	0	0	1.24
20	6.05	7.98	0	0	0	0	3.26	0	0	0	0	2.03
21	6.62	7.98	0	0	0	6.27	6.28	0	0	0	0	2.15
22	5.40	7.98	0	0	0	10.3	8.07	0	0	0	0	2.15
23	4.67	7.98	0	0	0	10.3	9.79	0	0	0	0	2.15
24	4.67	7.98	0	0	0	10.3	9.87	0	0	0	0	2.03
25	4.67	7.98	0	0	0	10.3	9.73	0	0	0	0	2.03
26	4.67	7.98	0	0	0	10.1	5.78	0	0	0	0	2.03
27	4.67	7.98	0	0	0	10.1	6.59	0	0	0	0	2.62
28	4.67	7.98	0	0	0	5.09	9.98	0	0	0	0	4.34
29	4.67	7.98	0	0	0	0	10.20	0	0	0	0	5.24
30	4.67	7.98	0	0	0	0	8.48	0	0	0	0	4.81
31	5.42	0	0	0	0	4.07	0	0	0	0	0	0
34.26      217.04      44.89      0      0      76.83      147.56      52.56      0      0      33.75      32.82												
MEAN	2.72	7.23	1.45	0	0	2.46	4.92	1.70	0	0	1.09	1.09
ACRE-FOOT	167.1	430.5	89.0	0	0	152.4	292.7	104.3	0	0	66.9	65.1

Remarks: + = LESS THAN 0.01 CFS

YEAR OR PERIOD      MEAN      1.89  
ACRE-FOOT      1368.0

STATION FHO-R  
PUDDINGSTONE CREEK below Puddingstone Dam

LOCATION: WATER-STAGE RECORDER, LAT. 34°05'35", LONG. 117°48'36", ON THE RIGHT (EAST) BANK ABOUT 1000 FEET BELOW PUDDINGSTONE DAM NEAR SAN DIMAS. ELEVATION OF ZERO GAGE HEIGHT, 524.60 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 16-INCH DEPTH.

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

RECORDER: INSTALLED DECEMBER 26, 1927 IN A CONCRETE HOUSE OVER A 3 FT. X 4 FT. CONCRETE STILLING WELL. A V.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1953 TO SEPTEMBER 30, 1955.

REGULATION: FLOW REGULATED BY PUDDINGSTONE DAM.

DIVERSIONS AND/OR REGULATIONS: SAN DIMAS CREEK, WHICH IS REGULATED BY SAN DIMAS DAM AND PUDDINGSTONE DIVERSION DAM, CAN BE DIVERTED TO PUDDINGSTONE RESERVOIR AT PUDDINGSTONE DIVERSION DAM, METROPOLITAN WATER DISTRICT AQUEDUCT OCCASIONALLY SPILLS FLOW INTO PUDDINGSTONE DIVERSION CHANNEL AND RELEASES ZONE 1 WATER INTO LIVE OAK WASH BELOW 7TH STREET LA VERNE WHICH IS MEASURED BY STATION F311-R. SAN DIMAS WATER COMPANY DIVERTS OUTFLOW FROM DAM ABOVE THE STATION AND ALSO RELEASES WATER TO PUDDINGSTONE DIVERSION CHANNEL AT JUANITA STREET STATION F307-R, FOR PURCHASE BY LOS ANGELES COUNTY PARKS AND RECREATION DEPARTMENT.

RECORDS AVAILABLE: DECEMBER 26, 1927 TO SEPTEMBER 30, 1955.

EXTREMES OF DISCHARGE:

- 1953-54
- MAXIMUM 392 SECOND-FOOT SEPTEMBER 23.
- MINIMUM 0.01 SECOND-FOOT AT VARIOUS TIMES.
- 1954-55
- MAXIMUM 404 SECOND-FOOT DECEMBER 12.
- MINIMUM 0.03 SECOND-FOOT VARIOUS DAYS
- 1929-55
- MAXIMUM 404 SECOND-FOOT SEPTEMBER 23, 1954.
- 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  
below Puddingstone Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 54

NO.	DATE	BSRN NO.	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REG. FT.	RAT. I.M.B.	METH. DO.	MEAN REG. NO.	S. HT. CHANGE TOTAL	METER NO.	
760	10-1	1005 1070	STUNDEN	1.5	0.40	0.18	0.04	0.07	+5	5	0	FC50		
761	10-8	0837 0930	"	2.0			0.04	0.05	C	POLLETTI WEIR				
762	10-23	0837 0842	MIDDLETON	2.4	0.64	0.14	0.06	0.09	-6	7	0	FC53		
763	10-29	1537 1539	"	2.4	0.36	0.19	0.05	0.07	-6	3	0	FC49		
764	11-6	0800 0812	"	0.8	0.10	0.70	0.05	0.07	-6	3	0	"		
765	11-13	0814 0815	"	0.8	0.10	0.70	0.05	0.07	-6	3	0	"		
766	11-19	1535 1536	"	0.6	0.08	0.88	0.05	0.07	-5	3	0	"		
767	11-27	0940 0942	"	0.6	0.06	0.83	0.04	0.05	-5	3	0	"		
768	12-4	0859 0901	"	0.8	0.18	1.11	0.11	0.20	-6	3	0	"		
769	12-10	1328 1332	"	1.2	0.30	0.80	0.15	0.24	-6	5	0	"		
770	12-16	0950 0955	STUNDEN	0.70	0.14	0.43	0.08	0.06	FC	GATS 3	0	-		
771	12-22	1010 1020	"	1.0	0.24	0.04	0.02	0.01	-5	5	0	FC50		
772	1-7	1524 1525	MIDDLETON	0.8	0.16	0.25	0.05	0.04	-6	3	0	FC49		
773	1-14	1532 1533	"	0.6	0.10	0.10	0.01	0.01	-6	3	0	"		
774	2-4	1503 1505	"	0.8	0.10	0.10	0.01	0.01	-6	3	0	"		
775	2-24	1430 1432	"	0.8	0.10	0.10	0.01	0.01	-6	3	0	"		
776	3-11	1435	"	2.0			0.01	0.01	C	POLLETTI WEIR				
777	3-18	1325	"	2.0			0.02	0.02	"	"		"		
778	4-1	1540	"	2.0			0.03	0.04	"	"		"		
779	4-15	1420	"	2.0			0.01	0.01	"	"		"		
780	4-22	0925	"	2.0			0.01	0.01	"	"		"		
781	5-4	1235	"	2.0			0.02	0.02	"	"		"		
782	5-13	1430	"	2.0			0.02	0.02	"	"		"		
783	5-20	1350	"	2.0			0.02	0.02	"	"		"		
784	5-27	1530	MIDDLETON	2.0			0.02	0.02	"	"		"		
785	6-3	1548	"	2.0			0.02	0.02	"	"		"		
786	6-10	0902	"	2.0			0.02	0.02	"	"		"		
787	6-17	1322	"	2.0			0.02	0.02	"	"		"		
788	7-6	1345	"	2.0			0.01	0.01	"	"		"		
789	7-14	1140	"	2.0			0.03	0.04	"	"		"		
790	7-23	1200	WHISLER	2.0			0.02	0.02	"	"		"		
791	7-29	0920	MIDDLETON-WHISLER	2.0			0.03	0.04	"	"		"		
792	8-5	1625	WHISLER	2.0			0.02	0.02	"	"		"		
793	8-6	1590 1592	STUNDEN-WHISLER	35.5	63.3	1.30	2.42	82.4	21	0	FC12			
794	8-6	1735 1820	WHISLER-STUNDEN	35.5	66.2	1.36	2.42	90.3	19	+0.1	FC5			
795	8-6	0510 0620	STUNDEN-WHISLER	36.0	65.2	1.45	2.48	94.6	21	0	"			
796	8-7	0700 0813	WHISLER-DE MARS	41.0	88.4	1.97	3.04	174.	23	+0.2	"			
797	8-7	1509 1500	"	41.0	88.7	2.21	3.13	196.	22	+0.1	"			
798	8-7	0500 0530	"	41.5	81.1	2.27	3.11	184.	24	0	"			
799	8-8	0633 0725	STUNDEN-DE MARS	44.5	101.	2.85	3.65	288.	13	0	FC36			
800	8-8	0925 1020	"	44.5	94.2	3.20	3.69	303.	19	+0.3	"			
801	8-8	1400 1500	"	45.0	89.0	3.44	3.67	306.	20	-0.1	"			
802	8-8	1610 1700	"	43.5	91.3	3.66	3.76	334.	20	+0.2	"			
803	8-8	0805 0834	"	45.0	83.0	3.67	3.77	305.	20	+0.1	"			
804	8-9	1318 1420	STUNDEN-SPELLMAN	43.5	90.4	3.44	3.71	311.	22	0	FC36 FC12			
805	8-9	1500 1605	"	44.5	90.5	3.29	3.70	298.	20	0	FC36			
806	8-9	0903 1015	SPELLMAN-STUNDEN	44.5	91.2	3.27	3.70	298.	21	0	"			
807	8-10	1735 1850	WHISLER-SPELLMAN	43.5	85.7	3.36	3.67	288.	21	-0.1	FC26 FC32			
808	8-10	0855 0930	STUNDEN-WHISLER	44.4	91.2	3.49	3.76	318.	23	0	FC36 FC32			
809	9-14	0945 1040	MIDDLETON	45.0	74.1	3.64	3.42	289.	24	0	FC26			
810	9-14	1430 1537	"	45.0	73.9	3.76	3.42	278.	24	0	"			
811	9-20	1545 1638	MIDDLETON-WHISLER	43.0	76.3	3.83	3.52	292	25	0	FC26 FC5			
812	9-20	1210 1300	"	43.0	77.7	4.00	3.52	311.	25	-0.1	FC26 FC5			
813	9-23	1350 1450	MIDDLETON	45.0	83.5	3.96	3.58	331.	24	+0.2	FC26			
814	9-23	1537 1610	"	45.0	68.6	3.60	3.22	247.	24	-0.3	"			
815	9-23	0720 0755	MIDDLETON-PAYNE	CHANNELS			2.87	189.	21	+0.1	"			
816	9-24	0845 0906	MIDDLETON-LINDSAY	29.0	29.0	2.93	2.38	85.0	14	0	"			
817	9-24	0910 0930	MIDDLETON-HYDE	28.8	39.8	2.25	2.38	89.5	-6	16	0	FC35		
818	9-24	1209 1204	"	28.8	42.6	2.08	2.38	88.4	-6	17	0	FC26		
819	9-24		MIDDLETON-WHISLER	28.0	32.7	1.24	2.07	40.5	-6	17	0	"		

NO.	DATE	BSRN NO.	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REG. FT.	RAT. I.M.B.	METH. DO.	MEAN REG. NO.	S. HT. CHANGE TOTAL	METER NO.
820	9-24	1605 1622	"	28.0	33.2	1.19	2.07	39.6	-6	16	0	"	
821	9-24	1825 1848	"	29.3	46.1	2.22	2.48	103.	-6	19	+0.1	"	
822	9-24	2000 2009	WHISLER-MIDDLETON	29.3	44.9	2.08	2.46	93.4	-6	18	+0.1	FC5	
823	9-25	0810 0836	MIDDLETON	27.4	31.4	1.08	2.03	34.1	-6	17	+0.1	FC26	
824	9-25	1510 1526	"	22.0	14.0	0.90	1.87	19.8	-6	13	+0.1	"	
825	9-26	0810 0830	"	15.0	8.41	0.87	1.70	7.3	-6	15	+0.1	"	
826	9-27	0733 0751	"	7.3	2.70	0.96	1.60	2.6	-6	14	+0.1	"	
827	9-28	0732 0735	"	7.0	2.34	0.85	1.58	2.0	-6	13	0	"	
828	9-30	0825 0842	WHISLER	6.7	1.82	0.38	1.54	0.70	-5	14	0	FC49	

DISCHARGE MEASUREMENTS OF PUDDINGSTONE CREEK  
below Puddingstone Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 55

NO.	DATE	BSRN NO.	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REG. FT.	RAT. I.M.B.	METH. DO.	MEAN REG. NO.	S. HT. CHANGE TOTAL	METER NO.
829	10-7	0825 0834	MIDDLETON	3.2	0.78	0.20	1.52	0.16	-6	7	0	FC26	
830	10-14	1452 1502	"	3.2	0.91	0.20	1.52	0.18	-6	8	0	FC49	
831	10-21	1010	"	0.80	0.06	0.50	1.51	0.03	-6	4	0	"	
832	10-29	1452 1456	MIDDLETON-VAN ALLEN	0.80	0.06	0.50	1.50	0.03	-6	5	0	"	
833	11-2	1620 1637	MIDDLETON-WHISLER	27.6	33.7	1.34	2.09	45.0	-6	16	0	FC26	
834	11-2	1655 1710	"	24.5	20.5	2.31	2.09	47.4	-6	14	0	"	
835	11-2	1831	"	CHANNELS			2.43	99.7	-6	22	0	"	
836	11-3	0925 0937	MIDDLETON-GODFREY	38.8	61.5	3.06	2.84	188.	-6	23	+0.1	"	
837	11-3	0720 0804	"	38.9	62.1	3.03	2.85	188.	-6	23	0	"	
838	11-3	0925 1010	"	39.5	78.8	3.50	3.27	276.	-6	22	0	"	
839	11-3	1022 1118	"	39.7	79.2	3.46	3.27	274.	-6	23	0	FC28	
840	11-4	0630 0735	MIDDLETON-WHISLER	46.0	88.3	4.14	3.63	366.	-6	24	-0.05	FC26	
841	11-4	0748 0840	"	46.0	87.2	4.11	3.60	358.	-6	24	0	"	
842	11-4	1414 1500	"	45.0	83.5	3.84	3.60	321.	-6	24	0	FC 5 FC26	
843	11-4	1517 1605	"	45.0	85.5	4.05	3.60	346.	-6	24	0	FC26	
844	11-6	0854 0950	"	45.0	84.9	4.06	3.58	345.	-6	24	0	"	
845	11-6	1006 1100	"	45.0	84.8	4.14	3.58	351.	-6	24	0	FC32	
846	11-9	0807 0835	MIDDLETON	38.2	48.8	2.25	2.52	110.	-6	23	0	FC26	
847	11-9	0837 0900	"	CHANNELS			2.52	110.	-6	17	0	"	
848	11-9	1020 1106	"	38.8	62.7	3.08	2.89	193.	-6	22	0	"	
849	11-9	1110 1158	"	38.8	64.5	3.01	2.89	194.	-6	23	0	"	
850	11-12	0920 1000	"	CHANNELS			2.45	96.3	-6	21	0	"	
851	11-24	1345 1348	"	45.0	82.4	4.30	3.59	354.	-6	24	0	"	
852	11-24	1500 1538	"	CHANNELS			3.59	341.	-6	24	0	"	
853	12-1	1152 1200	MIDDLETON	2.60	0.78	0.35	1.51	0.27	-6	7	0	FC26	
854	12-2	0846 0924	"	CHANNELS			2.37	87.5	-6	23	0	"	
855	12-2	1530 1630	"	46.0	83.8	4.34	3.62	364.	-6	25	0	"	
856	12-3	1340 1340	MIDDLETON-STUNDEN	42.0	64.5	3.91	3.11	252.	-6	23	0	"	
857	12-9	1522 1604	MIDDLETON	44.0	80.9	4.50	3.60	364.	-6	23	0	"	
858	12-12	0916 0842	"	30.5	31.0	1.38	2.09	42.7	-6	18	0	"	
859	12-12	0853 0915	"	25.5	20.7	2.07	2.09	42.8	-6	16	0	"	
860	12-13	0745 0749	"	1.2	0.20	0.25	1.51	0.05	-5	4	0	"	
861	12-16	1310	"	2.0			0.04	0.05	"	"		"	
862	12-23	1610	"	2.0			0.04	0.05	"	"		"	
863	12-30	1000	"	2.0			0.04	0.05	"	"		"	
864	1-6	1000	"	2.0			0.04	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- ION	METH- OD	MEAN SEC. NO.	DI- RECT CHARGE TOTAL	METER NO.
873	3-17	1030	"	2.0			0.05	0.08			"	"	"
874	3-24	1030	"	2.0			0.04	0.05			"	"	"
875	3-31	1110	"	2.0			0.04	0.05			"	"	"
876	4-7	1050	"	2.0			0.04	0.05			"	"	"
877	4-14	1530	"	2.0			0.14	0.35			"	"	"
878	4-20	1530	"	2.0			0.26	0.89			"	"	"
879	4-28	0930	"	2.0			0.04	0.05			"	"	"
880	5-5	0950	"	2.0			0.05	0.08			"	"	"
881	5-12	0920	"	2.0			0.05	0.08			"	"	"
882	5-19	0940	"	2.0			0.05	0.08			"	"	"
883	5-25	1620	"	2.0			0.05	0.08			"	"	"
884	6-1	0845	"	2.0			0.05	0.08			"	"	"
885	6-9	0925	"	2.0			0.05	0.08			"	"	"
886	6-16	0915	STUNDEN	2.0			0.05	0.08			"	"	"
887	6-23	1305	"	2.0			0.03	0.04			"	"	"
888	6-30	0850	MIDDLETON	2.0			0.04	0.05			"	"	"
889	7-7	1525	"	2.0			0.04	0.05			"	"	"
890	7-14	1455	"	2.0			0.04	0.05			"	"	"
891	7-21	0920	"	2.0			0.04	0.05			"	"	"
892	7-28	0830	"	2.0			0.04	0.05			"	"	"
893	8-2	1600	"	2.0			0.04	0.05			"	"	"
894	8-11	0945	"	2.0			4.04	0.05			"	"	"
895	8-18	1530	"	2.0			0.04	0.05			"	"	"
896	9-29	1330 1336	"	0.8	0.12	0.41	1.52	0.05		.6	5	0	A26

FD-108 (Rev. 12-53)

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. FHQ-R

Daily discharge, in second-feet of PUDDINGSTONE CREEK below Puddingstone Dam for the year ending September 30, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.07	0.07	0.05	0.04	0.01	0.01	0.04	0.1	0.02	0.02	0.03	314
2	0.07	0.07	0.08	0.04	0.01	0.01	0.04	0.2	0.02	0.02	0.02	312
3	0.07	0.07	0.08	0.06	0.01	0.01	0.04	0.1	0.02	0.01	0.02	309
4	0.07	0.07	0.12	0.06	0.01	0.01	0.03	0.02	0.02	0.01	0.02	309
5	0.07	0.07	0.10	0.03	0.01	0.01	0.03	0.04	0.02	0.01	0.02	304
6	0.07	0.07	0.05	0.03	0.01	0.01	0.03	0.04	0.02	0.01	0.02	302
7	0.07	0.07	0.05	0.04	0.01	0.01	0.02	0.04	0.02	0.01	1.98	305
8	0.07	0.07	0.05	0.04	0.01	0.01	0.02	0.04	0.02	0.02	3.50	316
9	0.07	0.07	0.06	0.04	0.01	0.01	0.02	0.04	0.02	0.03	3.50	312
10	0.07	0.07	0.08	0.04	0.01	0.01	0.02	0.03	0.02	0.04	3.48	309
11	0.07	0.07	0.08	0.06	0.01	0.01	0.02	0.02	0.02	0.04	3.62	304
12	0.07	0.07	0.04	0.06	0.03	0.01	0.02	0.02	0.02	0.04	3.58	300
13	0.07	0.07	0.04	0.03	1.9	0.01	0.02	0.02	0.02	0.04	3.48	295
14	0.07	0.12	0.03	0.01	0.7	0.01	0.01	0.02	0.02	0.04	3.45	293
15	0.07	0.07	0.06	0.01	0.2	0.01	0.01	0.02	0.02	0.04	3.43	289
16	0.07	0.07	0.06	0.01	0.1	0.03	0.01	0.02	0.03	0.04	3.40	282
17	0.07	0.07	0.06	0.01	0.05	0.04	0.01	0.02	0.03	0.03	3.38	309
18	0.07	0.07	0.06	0.07	0.06	0.03	0.01	0.02	0.02	0.03	3.33	316
19	0.07	0.07	0.06	1.4	0.04	0.04	0.01	0.02	0.02	0.03	3.28	307
20	0.07	0.14	0.05	0.3	0.03	0.4	0.01	0.02	0.02	0.02	3.25	311
21	0.07	0.16	0.03	0.03	0.03	0.2	0.01	0.02	0.02	0.02	3.25	315
22	0.08	0.16	0.03	0.03	0.03	0.4	0.01	0.02	0.02	0.02	3.28	332
23	0.09	0.12	0.03	0.03	0.01	0.2	0.07	0.02	0.02	0.02	3.28	245
24	0.09	0.08	0.04	1.2	0.01	0.4	0.2	0.02	0.02	0.02	3.28	9.6
25	0.07	0.06	0.04	2.2	0.01	0.4	0.2	0.02	0.02	0.02	3.28	3.3
26	0.07	0.06	0.03	0.1	0.01	0.1	0.2	0.02	0.02	0.02	3.26	5.8
27	0.07	0.06	0.03	0.04	0.01	0.05	0.1	0.02	0.02	0.03	3.26	2.2
28	0.07	0.06	0.03	0.03	0.01	0.06	0.2	0.02	0.02	0.03	3.21	1.6
29	0.07	0.06	0.04	0.03		0.2	0.2	0.02	0.02	0.03	3.21	1.0
30	0.07	0.06	0.04	0.02		0.7	0.2	0.02	0.02	0.03	3.21	0.6
31	0.07		0.04	0.01		0.1	0.02	0.02	0.02	0.03	3.21	
2.22                      2.40                      1.73                      .611                      3.37                      3.53                      1.61                      1.07                      0.61                      0.80                      8.25611                      71702												
MEAN	.072	.080	.056	.197	.120	.114	.060	.035	.020	.026	266.	239.
ACRE- FEET	4.4	4.8	3.4	12.	6.7	7.0	3.6	2.1	1.2	1.6	16380.	14220.

Remarks:

YEAR OR PERIOD MEAN ACRES- FEET 42.3 30650.



LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F10-R

Daily discharge, in second-feet of PUDDINGSTONE CREEK below Puddingstone Dam, for the year ending September 30, 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.6	0.05	0.6	0.05	0.05	0.05	0.05	0.1	0.08	0.05	0.05	0.05
2	0.6	28	197	0.05	0.05	0.05	0.05	0.1	0.08	0.05	0.05	0.05
3	0.6	222	204	0.05	0.05	0.05	0.05	0.1	0.08	0.05	0.05	0.05
4	0.6	342	299	0.05	0.05	0.05	0.05	0.08	0.08	0.05	0.05	0.05
5	0.6	358	365	0.05	0.05	0.05	0.05	0.08	0.08	0.05	0.05	0.05
6	0.6	354	336	0.05	0.05	0.05	0.05	0.08	0.08	0.05	0.05	0.05
7	0.3	345	357	0.05	0.05	0.05	0.05	0.08	0.08	0.05	0.05	0.05
8	0.2	276	353	0.05	0.05	0.05	0.05	0.08	0.08	0.05	0.05	0.05
9	0.1	158	270	0.05	0.05	0.05	0.05	0.08	0.08	0.05	0.05	0.05
10	0.1	280	305	0.4	0.05	0.05	0.05	0.08	0.08	0.05	0.05	0.05
11	0.2	1.6	299	0.1	0.05	0.05	0.05	0.08	0.08	0.05	0.05	0.05
12	0.2	99	21	0.1	0.05	0.05	0.05	0.08	0.08	0.05	0.05	0.05
13	0.2	292	0.05	0.06	0.05	0.05	0.05	0.08	0.08	0.05	0.05	0.05
14	0.2	332	0.05	0.06	0.05	0.05	0.2	0.08	0.08	0.05	0.05	0.05
15	0.2	261	0.05	0.06	0.05	0.05	0.4	0.08	0.08	0.05	0.05	0.05
16	0.1	328	0.05	0.4	0.05	0.05	0.4	0.08	0.08	0.05	0.05	0.05
17	0.05	351	0.05	0.2	0.05	0.05	0.2	0.08	0.08	0.05	0.05	0.05
18	0.05	349	0.05	1.1	0.05	0.05	0.1	0.08	0.08	0.05	0.05	0.05
19	0.04	354	0.05	0.3	0.05	0.05	0.1	0.08	0.07	0.05	0.05	0.05
20	0.03	356	0.05	0.2	0.05	0.05	0.2	0.08	0.07	0.05	0.05	0.05
21	0.03	354	0.05	0.08	0.04	0.05	0.05	0.08	0.07	0.05	0.05	0.05
22	0.03	351	0.05	0.08	0.04	0.05	0.05	0.08	0.07	0.05	0.05	0.05
23	0.03	360	0.05	0.08	0.04	0.05	0.05	0.08	0.06	0.05	0.05	0.05
24	0.03	359	0.05	0.08	0.04	0.05	0.05	0.08	0.06	0.05	0.05	0.05
25	0.03	356	0.05	0.08	0.04	0.05	0.05	0.08	0.06	0.05	0.05	0.05
26	0.03	362	0.05	0.08	0.04	0.05	0.05	0.08	0.06	0.05	0.05	0.05
27	0.03	364	0.05	0.08	0.04	0.05	0.05	0.08	0.05	0.05	0.05	0.05
28	0.03	359	0.05	0.08	0.05	0.05	0.05	0.08	0.05	0.05	0.05	0.05
29	0.03	366	0.05	0.05		0.05	0.05	0.08	0.05	0.05	0.05	0.05
30	0.03	366	0.05	0.05		0.05	0.05	0.08	0.05	0.05	0.05	0.05
31	0.03		0.05	0.05		0.05	0.05	0.08	0.05	0.05	0.05	0.05
c	0.03											
5.90      8684.6      3036.55      4.24      1.33      1.55      2.75      2.54      2.16      1.55      1.55      1.50												

MEAN	0.190	289.5	98.0	.137	.048	0.05	0.092	0.082	0.072	0.05	0.05	0.05
ACRE- FEET	12.	17230.	6020.	8.4	2.6	3.1	5.5	5.0	4.3	3.1	3.1	3.0
Remarks:	YEAR MEAN 32.2 OR PERIOD ACRE-FEET 23300.											

STATION F192-R  
RIO HONDO at Lower Azusa Road

LOCATION: WATER-STAGE RECORDER, LAT. 34°05'33", LONG. 118°01'52", ON THE DOWN-STREAM 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, 1953 TO SEPTEMBER 30, 1955.

REGULATIONS: FLOW PARTIALLY REGULATED BY SIERRA MADRE DAM, BIG SANTA ANITA DAM, SAWPIT DAM, ALSO SPILLWAY AND DIVERSION AT SANTA FE DAM.

DIVERSIONS: THE CITY OF MONROVIA DIVERTS WATER FROM MONROVIA CREEK AND SAWPIT CREEK. THE CITY OF SIERRA MADRE DIVERTS WATER FROM LITTLE SANTA ANITA CANYON. FLOW FROM SAN GABRIEL RIVER BELOW SANTA FE DAM IS OCCASIONALLY DIVERTED TO RIO HONDO. THERE ARE ALSO SEVERAL DIVERSIONS FOR IRRIGATION AND SPREADING GROUNDS.

RECORDS AVAILABLE:  
FEBRUARY 22, 1932 TO MARCH 29, 1932 - STREAM MEASUREMENTS ONLY.  
RECORDER RECORDS FROM MARCH 29, 1932 TO SEPTEMBER 30, 1955. (FOR RECORDS PRIOR TO MARCH 29, 1932, SEE STATE DIVISION OF WATER RIGHTS BULLETIN.)

EXTREMES OF DISCHARGE:  
1953-55  
MAXIMUM 1740 SECOND-FEET FEBRUARY 13.  
MINIMUM NO FLOW MOST OF YEAR.  
1954-55  
MAXIMUM 2340 SECOND-FEET JANUARY 18.  
MINIMUM NO FLOW FOR MOST OF YEAR.  
1932-55  
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 Lower Azusa Road DURING THE YEAR ENDING SEPTEMBER 30, 19 54

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REG. FT.	RAT. INR	METH. DO	S. HT. CHANGE TOTAL	METER NO.
679	11-14	1708 1718	WADDICOR-BRITZMAN	27.0	16.3	2.13	3.74	34.7	.6	9	-.02	FC37
680	1-19	0402 0416	"	57.0	134.	6.35	5.58	851.	.6	7	+.23	"
681	1-20	1416 1423	"	16.3	5.47	1.99	3.62	10.9	.6	11	-.02	"
682	1-25	1010 1020	"	41.0	30.8	4.54	4.33	140.	.6	10	-.02	"
683	1-28	1407 1417	WADDICOR	28.0	7.54	1.43	3.59	10.8	.5	9	+.01	"
684	2-2	0859 0910	THOMAS	26.0	13.7	2.63	3.56	36.0	.6	10	0	"
685	2-4	1250 1305	WADDICOR	35.0	64.5	7.94		512.	.6	7	"	"
686	2-11	1428 1433	"	4.00	1.00	1.00	3.03	1.0	.5	5	0	"
687	2-13	1819 1824	WADDICOR-BRITZMAN	48.0	147.	8.92	5.82	1310.	.6	7	+.01	"
688	2-14	1307 1319	"	48.0	29.5	3.39	3.94	100.	.6	11	-.12	"
689	2-15	1158 1158	"	4.0	0.62	0.66	3.34	0.41	.6	5	0	"
690	2-19	0843 0950	WADDICOR	6.0	1.20	1.00	3.54	1.2	.5	7	0	"
691	2-25	1513 1530	"	38.0	37.0	4.86		180.	.6	8	"	"
692	2-26	1145 1152	WADDICOR-THOMAS	42.5	19.2	3.28	3.90	63.4	.6	11	-.08	"
693	3-3	0905 0910	WADDICOR	4.0	0.60	0.97	3.27	0.58	.5	5	0	"
694	3-20	0810 0817	WADDICOR-BRITZMAN	42.0	20.1	2.96	3.86	59.4	.6	11	+.08	"
695	3-22	1134 1137	"	4.0	0.52	0.88	3.62	0.46	.5	5	0	"
696	3-23	1450 1455	WADDICOR	4.0	0.66	0.96	3.41	0.63	.5	5	0	"
697	3-30	1316 1325	WADDICOR-BRITZMAN	18.5	4.68	1.32	3.46	6.2	.5	11	-.03	"
698	4-5	1315 1324	WADDICOR-THOMAS	32.0	11.8	2.64	3.66	31.2	.6	13	-.02	"
699	4-6	0848 0903	WADDICOR	28.0	11.4	2.25	3.56	25.7	.6	12	-.02	"
700	4-8	1355 1405	"	21.0	8.34	1.68	3.49	14.0	.5	9	+.05	"
701	4-15	1402 1408	"	4.0	0.99	1.11		1.1	.5	5		"
702	4-22	1430 1437	"	5.0	1.38	1.02	3.07	1.4	.5	6	0	"
703	5-5	1158 1214	STUNDEN-HYDE	40.0	43.1	6.03	4.53	263.	.5	11	+.05	FC36
704	5-5	1800 1815	WADDICOR-DEMARS	41.0	44.7	5.77	4.50	258.	.5	8	0	FC37
705	5-6	0910 0920	"	43.0	54.0	5.62	4.44	303.	.5	9	0	"
706	5-7	0906 0917	WADDICOR-SPELLMAN	43.2	49.7	5.65	4.47	281.	.6	9	+.02	"
707	5-7	1243 1258	WADDICOR	45.1	77.0	7.01	4.99	540.	.6	10	-.03	"
708	5-7	1532 1556	WADDICOR-SPELLMAN	47.0	90.5	7.76	5.14	702.	.6	10	0	"

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REG. FT.	RAT. INR	METH. DO	S. HT. CHANGE TOTAL	METER NO.
709	5-8	0937 0953	"	53.8	106.	6.51	4.97	690.	.6	10	-.02	"
710	5-9	0907 0930	"	57.6	114.	5.95	4.72	698.	.6	11	+.02	"
711	5-10	0950 1005	"	57.6	107.	6.06	4.26	649.	.6	11	+.01	"
712	5-11	1015 1030	"	59.8	112.	5.31	4.06	595.	.6	13	-.02	"
713	5-12	0930 0950	"	60.8	99.6	5.31	3.79	529.	.6	15	-.02	"
714	5-12	1327 1335	"	25.5	19.5	1.99	2.38	38.9	.6	14	-.06	"
715	7-8	1453 1500	DEMARS	6.5	2.25	1.02			.6	8		FC34
716	7-15	1440 1447	WADDICOR	5.0	1.68	1.07	2.04	1.8	.6	6	0	FC37
717	7-23	0910 0917	"	5.0	1.80	1.11	1.96	2.0	.5	6	0	"

DISCHARGE MEASUREMENTS OF RIO HONDO

AT Lower Azusa Road DURING THE YEAR ENDING SEPTEMBER 30, 19 55

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REG. FT.	RAT. INR	METH. DO	S. HT. CHANGE TOTAL	METER NO.
718	11-11	0600 0608	WADDICOR-BRITZMAN	55.0	88.5	5.07	5.97	449.	.6	8	+.07	FC37
719	12-3	2154 2204	"	22.0	17.2	2.12	5.04	36.4	.6	8	-.07	"
720	1-6	1541 1545	"	27.6	13.4	2.01	5.02	26.9	.6	12	-.06	"
721	1-18	0931 0938	"	21.0	6.55	1.48	4.91	9.7	.6	12	+.07	"
722	1-18	1830 1839	"	45.0	35.6	4.38	5.63	156.	.6	13	+.02	"
723	3-16	0757 0805	WADDICOR	25.0	6.23	1.46	4.97	9.1	.5	14	-.05	"
724	3-16	1432 1440	"	8.5	2.65	1.24	5.00	3.3	.6	8	+.04	"
725	4-21	1345 1352	"	11.1	4.40	1.34	3.61	5.9	.5	10	0	"
726	4-30	1525 1644	WADDICOR-BRITZMAN	41.5	21.4	3.05	5.41	65.3	.6	13	-.09	"
727	5-1	1029 1036	"	5.5	2.08	2.12	4.89	4.4	.6	6	-.01	"
728	5-6	0940 0948	WADDICOR	5.5	1.39	0.45	5.00	0.63	.5	7	0	"
729	5-9	0940 0945	"	6.0	1.42	0.45	4.78	0.64	.5	7	-.01	"

FORM Gb 12-53

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT HYDRAULIC DIVISION

Sta. No. F192-R

Daily discharge, in second-feet of RIO HONDO at Lower Azusa Road for the year ending September 30, 19 54

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	2.5	0	+	+	0	0	0	0
2	0	0	0	0	2.3	0	0	+	0	0	0	0
3	0	0	0	0	2.3	b	0	0	0	0	0	0
4	0	0	0	0	2.0	b	+	+	0	0	0	0
5	0	0	0	0	1.0	a	0	2.5	14.2	0	0	0
6	0	0	0	0	0	a	0	1.7	29.0	0	0	0
7	0	0	0	0	0	a	0	4.0	49.1	0	0	0
8	0	0	0	0	0	a	0	7.2	64.0	0	0	0
9	0	0	0	0	0	a	0	9.1	65.4	0	0	0
10	0	0	0	0	0	a	0	3.1	61.6	0	0	0
11	0	0	0	0	1.0	b	+	a	5.4	0	0	0
12	0	0	0	2.2	1.4	b	+	a	29.0	0	0	0
13	0	0	0	0	7.6	b	0	1.5	0	0	0	0
14	0	2.4	0	0	7.3	b	0	1.2	0	0	0	0
15	0	0	0	0	1.2	b	0	1.1	0	0	0	0
16	0	0	0	0	0	b	+	1.1	0	0	0	0
17	0	0	0	0	0	b	+	1.1	0	0	0	0
18	0	0	0	0	0.9	b	+	1.2	0	0	0	0
19	0	0	0	4.1	0	b	+	1.2	0	0	0	0
20	0	0	0	4.4	0	b	+	1.2	0	0	0	0
21	0	0	0	0.2	0	b	+	1.1	0	0	0	0
22	+	0	0	0	0	b	+	1.4	0	0	0	0
23	0	0	0	0	0	b	+	1.8	0	0	0	0
24	0	0	0	11.2	0	a	+	1.5	0	0	0	0
25	0	0	0	7.7	0	b	+	4.5	0	0	0	0
26	0	0	0	0	4.0	b	+	0	0	0	0	0
27	0	0	0	0	0	b	+	2.0	0	0	0	0
28	0	0	0	0	0	b	+	8.0	0	0	0	0
29	0	0	0	0	0.9	b	+	7.7	0	0	0	0
30	0	0	0	0	0	b	+	0	0	0	0	0
31	0	0	0	0	0	b	+	0	0	0	0	0
F		2.4	0	9.3	2	5.4	6	116.0	137.0	0	0	0

MEAN DISCHARGE PER SECOND	+	0.80	0	30.9	18.2	3.74	4.57	120.	0	0	0	0
MEAN DISCHARGE PER ACRE PER PERIOD	+	48.	0	1900.	1000.	230.	272.	7350.	0	0	0	0

Remarks: + = 0.05 cfs or less

YEAR MEAN DISCHARGE PERIOD ACRE-FEET. 11.9 10800.

FORM Cb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F182-R

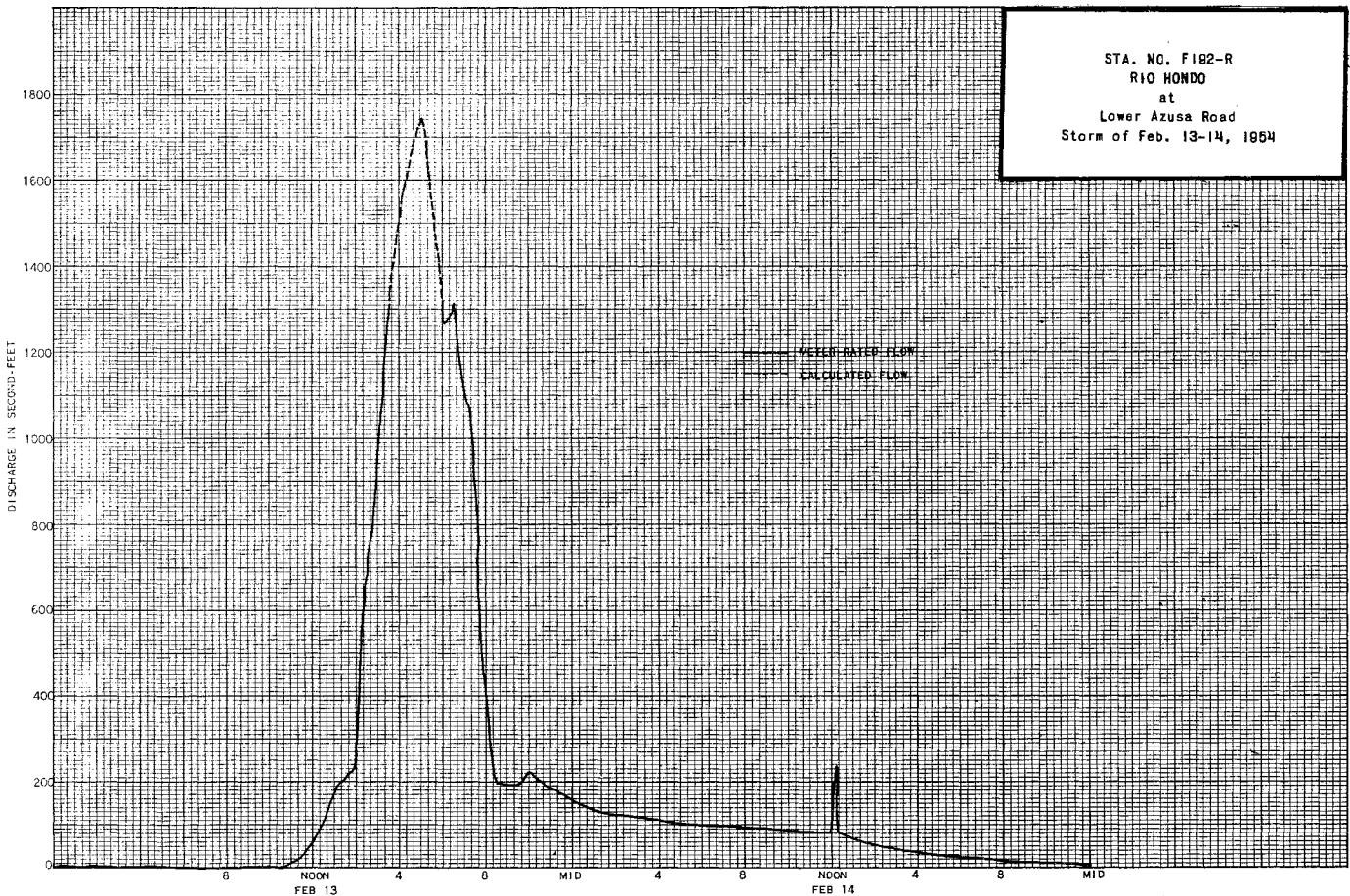
Daily discharge, in second-feet of RIO HONDO at Lower Azusa Road for the year ending September 30, 1956

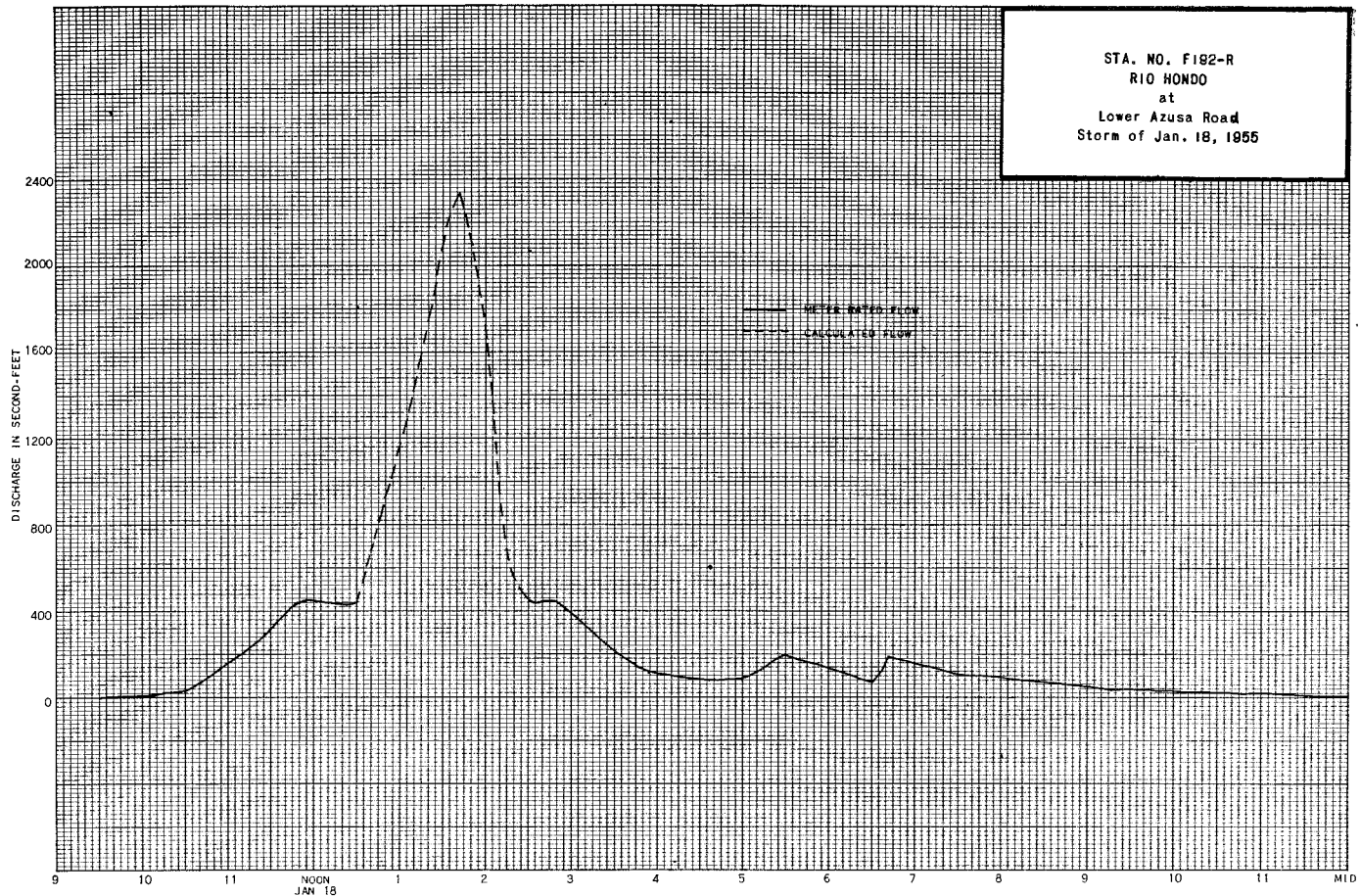
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	2.3	0	0	0	3.4	0	0	0	0
2	0	0	0	0	0	0	0	0.2	0	0	0	0
3	0	0	2.4	0	0	0	0	3.1	0	0	0	0
4	0	0	+	0	0	0	0	+	0	0	0	0
5	0	0	0	0	0	0	0	+	0	0	0	0
6	0	0	0	7.7	0	0	0	0.4	0	0	0	0
7	0	0	0	0	0	0	0	2.2	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	2.3	0	0	0	0	0	0	0	0	0
10	0	2.2	5.2	11.4	0	1.1	0	+	0	0	0	0
11	0	12.0	0	0	0	1.2	0	+	0	0	0	0
12	0	+	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0.8	0	0	0	0	0	0	0	0	0	0
16	0	0.1	0	2.5	4.9	4.2	0	0	0	0	0	0
17	0	0	0	+	1.3	+	0	+	0	0	0	0
18	0	0	0	1.8	0	+	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	1.1	0	0	0	0	0	0	0	0
21	0	0	0	0.1	0	+	0	0	0	0	0	0
22	0	0	0	0	0	0	1.9	0	0	0	0	0
23	0	0	0	0	0	0	0	+	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	+	+	0	0	0	0	0	0
27	0	0	0	0	1.8	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	7.6	0	0	4.9	0	0	0	0	0
31	0	0	0	7.4	0	0	0	0	0	0	0	0

	0	123.1	53.2	369.9	35.9	27.2	6.8	59.7	0	0	0	0
MEAN	0	4.10	1.72	11.9	1.28	0.88	2.27	1.93	+	0	0	0
ACRE-FOOT	0	244.	106.	734.	71.2	54.0	135.	118.	+	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN ACRE-FOOT 2.02 1460.





**STATION F64-R**  
**RIO HONDO above Mission Bridge**

**LOCATION:** WATER-STAGE RECORDER, LAT 34°04'57", LONG. 116°04'16", ON THE RIGHT (WEST) BANK APPROXIMATELY 1000 FEET ABOVE MISSION (SAN GABRIEL BOULEVARD) AND 2 MILES NORTHEAST OF MONTEBELLO. THIS SUPPLEMENTS THE STATION OPERATED FROM 1923 TO 1926 BY THE STATE DIVISION OF WATER RIGHTS AT MISSION BRIDGE. ELEVATION OF ZERO GAGE HEIGHT, 194.63.

**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 1926. REMOVED ABOUT 10 P.M. MARCH 2, 1936. REINSTALLED ON MARCH 6 AT A TEMPORARY STATION F64-R ON MISSION BRIDGE. REMOVED ON MARCH 26, 1936. REINSTALLED AT STATION F64-R IN A 46-INCH DIAMETER CORRUGATED IRON PIPE WHICH SERVES BOTH AS A STILLING WELL AND SHELTER HOUSE. A STEVENS TYPE A-35 CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1953 TO SEPTEMBER 30, 1955.

**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 1926 TO SEPTEMBER 30, 1955. (FOR RECORDS PRIOR TO JULY 1926, SEE STATE DIVISION OF WATER RIGHTS BULLETINS.) (RECORDS FROM MARCH 6, 1936 TO MARCH 15, 1936 ARE FROM STATION F64B-R)

**EXTREMES OF DISCHARGE:**

1953-54  
 MAXIMUM 6360 SECOND-FEET FEBRUARY 13.  
 MINIMUM 2.7 SECOND-FEET SEPTEMBER 20.  
 1954-55  
 MAXIMUM 6000 SECOND-FEET JANUARY 16.  
 MINIMUM 1.4 SECOND-FEET SEPTEMBER 8.  
 1926-55  
 MAXIMUM 26000 SECOND-FEET, ESTIMATED MARCH 2, 1936  
 MINIMUM 1.6 SECOND-FEET SOME DAYS IN OCTOBER 1951.

**ACCURACY:** FAIR.

**OPERATION:** OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT IN COOPERATION WITH THE UNITED STATES GEOLOGICAL SURVEY, WATER RESOURCES BRANCH.

DISCHARGE MEASUREMENTS OF RIO HONDO

above Mission Bridge DURING THE YEAR ENDING SEPTEMBER 30, 1954

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE CFS.	RAT. INB	METH. DD	NEAR. SEC. NO.	D. CHANNE TOTAL	METER NO.	NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE CFS.	RAT. INB	METH. DD	NEAR. SEC. NO.	D. CHANNE TOTAL	METER NO.
1630	10-1	0843 0853	WADDICOR	10.2	3.10	1.13	2.01	3.5						1683	3-30	0816 0828	WADDICOR-BRITZMAN	60.0	50.8	1.56	2.46	79.5					
1631	10-8	0850 0902	"	11.5	3.79	1.11	2.03	4.2						1684	4-1	0843 0858	WADDICOR	19.6	6.80	1.21	1.92	8.2					
1632	10-15	0832 0845	"	10.5	3.34	0.99	2.01	3.3						1685	4-5	1444 1455	WADDICOR-THOMAS	52.3	23.4	1.51	2.23	35.3					
1633	10-22	0847 0859	"	10.2	3.57	0.98	2.08	3.5						1686	4-6	1105 1123	WADDICOR	48.0	21.0	1.28	2.15	26.8					
1634	10-29	0839 0847	"	6.7	2.41	1.53	2.00	3.7						1687	4-8	0837 0849	"	24.5	8.80	1.28	1.87	11.3					
1635	11-5	0805 0815	"	9.5	4.19	1.12	2.08	4.7						1688	4-15	0840 0854	"	25.3	6.91	1.15	1.88	8.1					
1636	11-12	1324 1336	"	11.2	5.22	1.42	2.26	7.4						1689	4-22	0835 0845	"	12.0	4.76	1.22	1.90	5.8					
1637	11-14	1522 1542	WADDICOR-BRITZMAN	100.	292.	6.75	4.85	1970.						1690	4-28	0804 0824	"	37.4	18.1	1.83	2.18	33.2					
1638	11-15	0925 0935	"	18.0	14.7	0.73	2.29	10.8						1691	4-29	0858 0910	"	26.7	6.39	1.00	1.84	6.4					
1639	11-19	0835 0847	WADDICOR	10.7	4.80	1.35	2.13	6.5						1692	5-5	1315 1340	WADDICOR-DE MARS	74.0	64.7	3.74	2.60	242.					
1640	11-25	0817 0827	"	11.5	4.31	1.23	2.07	5.3						1693	5-5	1420 1435	"	74.0	58.4	3.56	2.62	208.					
1641	12-4	0825 0840	"	91.0	95.5	2.04	3.18	195.						1694	5-6	1035 1055	"	83.0	93.6	2.52	3.01	236.					
1642	12-10	0840 0852	"	11.8	4.18	1.10	2.11	4.6						1695	5-6	1109 1120	"	83.0	92.9	2.88	3.02	268.					
1643	12-17	0846 0858	WADDICOR-SPELLMAN	11.0	4.11	1.12	2.11	4.6						1696	5-6	1140 1200	"	83.0	98.7	2.74	3.01	270.					
1644	12-23	0825 0837	WADDICOR	10.7	4.48	1.00	2.10	4.5						1697	5-7	1009 1018	WADDICOR-SPELLMAN	82.0	92.6	3.09	2.97	286.					
1645	12-31	0840 0852	"	10.4	4.60	1.00	2.07	4.8						1698	5-7	1406 1420	"	84.0	117.	4.36	3.31	510.					
1646	1-7	0827 0840	"	10.5	4.51	1.02	2.08	4.6						1699	5-7	1645 1705	"	85.0	132.	5.28	3.41	683.					
1647	1-12	1025 1035	"	19.0	12.8	1.07	2.18	13.7						1700	5-8	1545 1605	"	85.0	133.	4.89	3.68	651.					
1648	1-12	1327 1342	"	75.0	148.	4.78	4.14	696.						1701	5-8	1310 1325	"	85.0	134.	4.94	3.66	662.					
1649	1-14	1450 1500	"	14.3	4.16	1.25	2.11	5.2						1702	5-9	1015 1045	WADDICOR-SPELLMAN	85.0	141.	4.60	3.67	649.					
1650	1-15	1333 1340	WADDICOR-HYDE	14.5	4.00	1.25	2.35	5.0						1703	5-10	1100 1120	"	86.0	125.	5.19	3.70	649.					
1651	1-19	0126 0140	WADDICOR-BRITZMAN	100.	215.	7.10	4.60	1527.						1704	5-11	1393 1405	"	91.0	159.	3.43	3.91	545.					
1652	1-19	1357 1410	"	100.	245.	5.39	4.50	1320.						1705	5-11	1320 1340	"	91.0	169.	3.86	3.89	652.					
1653	1-20	1122 1130	"	59.0	30.1	1.52	2.48	45.8						1706	5-12	1100 1120	"	92.0	144.	4.07	3.79	586.					
1654	1-21	0845 0900	WADDICOR	26.5	7.24	1.01	2.00	7.3						1707	5-12	1130 1150	"	92.0	134.	3.66	3.75	491.					
1655	1-24	1016 1028	WADDICOR-BRITZMAN	93.0	125.	2.78	3.35	348.						1708	5-12	1535 1550	"	71.0	39.8	1.78	2.82	70.7					
1656	1-25	0828 0838	"	101.	172.	4.35	3.76	749.						1709	5-13	0938 0953	"	17.7	5.03	1.49	2.20	7.5					
1657	1-26	1026 1040	"	38.2	11.1	1.04	2.12	11.6						1710	5-20	0827 0840	WADDICOR	193.	4.58	1.12	2.07	5.1					
1658	1-28	0835 0845	WADDICOR	25.0	7.52	1.08	2.08	8.1						1711	5-27	0825 0837	"	21.0	4.80	1.23	2.05	5.9					
1659	2-2	1020 1040	WADDICOR-THOMAS	55.0	25.4	1.60	2.41	40.6						1712	6-3	0830 0842	"	12.0	3.74	1.28	2.02	4.8					
1660	2-4	0837 0850	WADDICOR	35.0	7.09	0.86	2.02	6.1						1713	6-10	0826 0836	"	8.0	2.18	1.92	2.02	4.2					
1661	2-4	1408 1424	"	84.0	90.7	4.36	3.15	395.						1714	6-17	0824 0836	"	13.2	3.59	1.91	2.03	4.0					
1662	2-11	0808 0818	"	16.5	4.60	1.26	2.02	5.8						1715	6-23	0853 0903	WADDICOR-DE MARS	7.8	2.51	1.75	1.93	4.4					
1663	2-13	1140 1150	"	75.0	86.5	3.99	3.37	346.						1716	6-30	1234 1240	BONADIMAN-DE MARS	6.0	2.21	1.85	1.94	4.1					
1664	2-13	1526 1543	WADDICOR-BRITZMAN	114.	537.	11.04	7.60	5930.						1717	7-1	0910 0918	DE MARS	6.5	2.29	1.83	1.94	4.2					
1665	2-14	0943 0953	"	68.0	68.2	2.48	2.55	169.						1718	7-8	0910 0925	"	7.8	2.98	1.48	1.96	4.4					
1666	2-15	0957 1009	"	26.0	10.4	1.19	1.58	12.4						1719	7-15	0831 0846	WADDICOR	11.8	3.25	1.20	1.97	3.9					
1667	2-18	0842 0900	WADDICOR	27.8	15.2	0.98	1.62	14.9						1720	7-22	0825 0853	"	9.3	2.43	1.52	1.97	3.7					
1668	2-25	0827 0840	"	32.0	9.26	0.67	1.56	6.2						1721	7-29	0825 0838	"	11.2	2.95	1.25	2.00	3.7					
1669	2-25	1732 1745	"	59.0	51.8	2.59	2.36	134.						1722	8-5	0846 0855	DE MARS	6.5	2.00	1.85	2.05	3.7					
1670	2-26	1415 1425	WADDICOR-THOMAS	38.0	25.8	1.74	1.91	44.9						1723	8-12	1245 1300	"	8.2	2.61	1.57	2.02	4.1					
1671	3-4	0856	WADDICOR	32.6	9.13	0.76								1724	8-18	1127 1139	WADDICOR	15.7	4.46	1.17	2.05	5.2					
1672	3-9	1050 1100	WADDICOR-DE MARS	30.0	9.59	0.88	1.59	8.4						1725	8-19	1110 1122	"	15.9	4.41	1.13	2.04	5.0					
1673	3-11	0835 0848	WADDICOR	31.0	10.4	0.91	1.59	9.5						1726	8-26	0910 0922	"	9.0	3.21	2.02	2.00	6.5					
1674	3-16	1957 2019	WADDICOR-BRITZMAN	95.0	236.	7.33	4.18	1730.						1727	8-27	1443 1457	"	9.7	3.25	1.94	1.97	6.3					
1675	3-17	0835 0846	"	29.0	17.2	1.28	1.92	22.1						1728	9-8	0843 0856	"	11.9	2.39	1.20	2.03	3.6					
1676	3-18	0837 0847	WADDICOR	12.7	4.97	1.49	1.71	7.4						1729	9-16	1144 1154	"	10.0	2.97	1.36	2.02	4.1					
1677	3-20	0808 0819	WADDICOR-BRITZMAN	98.0	200.	6.35	3.99	1270.						1730	9-16	1200 1213	"	12.5	3.22	1.40	2.05	4.5					
1678	3-21	0838 0847	WADDICOR-BRITZMAN	77.0	64.0	1.89	2.55	121.						1731	9-23	1552 1555	DE MARS	10.0	2.42	1.36	2.07	3.3					
1679	3-21	2300																									

DISCHARGE MEASUREMENTS OF RIO HONDO

at above Mission Bridge DURING THE YEAR ENDING SEPTEMBER 30, 1956

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT- ING	METH- OD	MEAN SEC. NO.	S. HT. CHANGE TOTAL	MEYER NO.
1732	10-1	0855 0808	WADDICOR	12.3	3.04	1.28	2.09	3.9	.6	10	0	FC37	
1733	10-7	0945 0957	"	10.8	3.73	1.13	2.10	4.2	.6	10	0	"	
1734	10-14	0946 0958	"	10.6	4.02	1.12	2.12	4.5	.6	10	0	"	
1735	10-21	0950 1002	"	10.1	4.20	1.07	2.14	4.5	.6	10	0	"	
1736	10-28	1020 1033	"	12.5	4.32	1.04	2.13	4.5	.6	19	0	"	
1737	11-4	1125 1139	"	12.8	4.02	1.09	2.12	4.4	.6	10	0	FC52	
1738	11-10	0930 0942	"	11.0	3.79	1.11	2.12	4.2	.6	9	0	FC37	
1739	11-11	0133 0151	WADDICOR-BRITZMAN	85.0	306.	8.04	5.15	2460.	.6	9	+ .22	"	
1740	11-11	0705 0714	"	85.0	228.	7.20	4.74	1640.	.6	8	- .08	"	
1741	11-11	1159 1207	"	75.0	62.5	1.60	2.93	113.	.6	8	- .02	"	
1742	11-12	1029 1037	"	29.0	14.0	1.10	2.33	15.4	.6	11	- .02	"	
1743	11-15	1433 1447	WADDICOR	12.0	4.79	1.25	2.01	6.0	.6	13	0	"	
1744	11-18	1122 1134	"	11.5	3.49	1.58	1.98	5.5	.6	10	0	"	
1745	11-22	0850 1002	"	11.7	3.56	1.12	1.97	4.0	.6	11	0	"	
1746	11-24	1411 1421	WADDICOR-VAN ALLEN	12.0	3.74	1.15	1.96	4.3	.6	10	0	"	
1747	11-30	1130 1140	WADDICOR	11.7	3.66	1.19	1.96	4.6	.6	11	0	"	
1748	12-2	1028 1040	"	11.7	4.13	1.16	1.97	4.6	.6	11	0	"	
1749	12-3	2000 2008	WADDICOR-BRITZMAN	85.0	167.	4.84	4.50	953.	.6	9	- .19	"	
1750	12-4	0934 0941	"	11.0	4.92	1.50	2.12	7.4	.6	9	0	"	
1751	12-9	1242 1300	WADDICOR	12.9	5.12	1.23	2.11	6.3	.6	11	0	"	
1752	12-9	1330 2209	WADDICOR-BRITZMAN	56.0	64.8	3.16	3.27	205.	.6	8	+ .07	"	
1753	12-9	2214	"	85.0	145.	3.79	3.86	549.	.6	11	+ .52	"	
1754	12-10	0837 0844	WADDICOR	19.5	8.78	1.49	2.29	13.1	.6	11	- .02	"	
1755	12-15	1010 1025	"	12.7	4.27	1.20	2.07	5.1	.6	11	0	"	
1756	12-23	0924 0940	"	11.8	4.09	1.30	2.10	5.3	.6	13	0	FC37	
1757	12-30	0922 0937	"	11.8	4.32	1.20	2.13	5.2	.6	11	0	"	
1758	1-1	0837 0844	WADDICOR-BRITZMAN	85.0	168.	4.84	4.43	814.	.6	8	+ .32	"	
1759	1-3	0858 0908	WADDICOR	10.0	3.78	1.91	2.20	7.2	.6	11	0	"	
1760	1-6	1004 1024	WADDICOR-BRITZMAN	81.0	93.9	2.34	3.28	220.	.6	13	+ .32	"	
1761	1-6	1403 1415	"	84.0	140.	3.06	3.84	428.	.6	11	- .08	"	
1762	1-7	1048 1100	"	11.8	4.11	1.34	2.20	5.5	.6	11	.01	"	
1763	1-10	0844 0859	"	98.0	458.	9.68	6.00	4430.	.6	9	0	"	
1764	1-11	0901 0913	"	22.5	10.0	1.30	2.06	13.0	.6	13	0	"	
1765	1-13	0925 0940	WADDICOR	11.5	7.95	0.80	1.92	6.4	.6	13	0	"	
1766	1-16	0740 0755	"	88.0	171.	3.39	4.03	580.	.6	12	+ .41	"	
1767	1-17	0847 0859	"	12.0	8.96	0.84	1.92	7.5	.6	14	0	"	
1768	1-18	1130 1138	WADDICOR-BRITZMAN	93.0	261.	7.43	4.68	1940.	.6	11	+ .15	"	
1769	1-18	1205 1216	"	113.	500.	11.3	5.93	5640.	.6	10	+ .55	"	
1770	1-18	1305 1321	"	131.	428.	8.93	6.69	3820.	.6	11	- .28	"	
1771	1-19	1338 1345	"	13.0	16.3	0.81	1.74	13.2	.6	10	0	"	
1772	1-20	0940 0953	WADDICOR	17.5	8.31	0.94	1.71	7.8	.6	12	+ .08	"	
1773	1-27	0912 0928	"	23.5	11.6	0.55	1.86	6.4	.6	14	0	"	
1774	1-31	0842 0852	"	18.0	9.50	1.50	1.88	14.2	.6	11	- .01	"	
1775	2-4	0935 0948	DE MARS	15.5	12.1	0.57	1.83	6.9	.6	10	+ .02	FC34	

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	MEAN SEC. NO.	S. HT. CHANGE TOTAL	MEYER NO.
1798	4-28	0830 0842	"	9.6	4.07	1.33	1.87	5.4	.6	9	0	"	
1799	4-30	1345 1355	WADDICOR-BRITZMAN	83.0	156.	2.91	3.72	454.	.6	11	+ .11	"	
1800	4-30	1805 1814	"	86.	256.	7.80	4.86	1980.	.6	9	- .20	"	
1801	5-1	0835 0845	"	76.0	95.6	2.11	2.97	202.	.6	9	- .05	"	
1802	5-5	0855 0910	WADDICOR	8.7	3.50	1.66	1.72	5.8	.6	10	0	"	
1803	5-7	0705 0715	"	78.0	112.	2.16	3.44	242.	.6	10	- .02	FC37	
1804	5-9	0825 0837	"	9.0	3.64	1.51	1.81	5.5	.6	10	0	"	
1805	5-12	0815 0830	"	11.2	4.64	1.23	1.73	5.7	.6	10	0	"	
1806	5-19	0823 0835	"	11.7	3.93	1.22	1.74	4.8	.6	10	0	"	
1807	5-26	0906 0924	"	14.4	4.60	1.09	1.76	5.0	.6	12	0	"	
1808	6-2	0843 0854	WADDICOR-SADDORIS	13.7	4.16	1.13	1.78	4.7	.6	13	0	"	
1809	6-9	0823 0837	WADDICOR	14.1	4.14	1.23	1.78	5.1	.6	12	0	FC52	
1810	6-16	0823 0830	"	14.0	3.62	1.16	1.80	4.2	.6	12	0	"	
1811	6-23	0825 0840	"	12.5	3.18	0.97	1.82	3.1	.5	14	0	"	
1812	6-30	0835 0846	"	13.9	4.16	0.94	1.84	3.9	.6	12	0	"	
1813	7-7	1420 1435	GOFFREY	15.5	4.01	1.02	1.84	4.1	.5	13	0	"	
1814	7-14	0922 0938	"	15.0	3.79	1.01	1.84	3.8	.5	14	0	"	
1815	7-21	0840 0849	WADDICOR	11.0	3.45	1.04	1.85	3.6	.5	11	0	"	
1816	7-26	0825 0838	"	13.5	3.63	0.99	1.89	3.6	.6	11	0	"	
1817	8-4	0833 0847	"	13.0	3.68	0.92	1.88	3.4	.5	11	0	"	
1818	8-11	0808 0820	"	13.0	3.54	0.96	1.88	3.4	.5	10	0	"	
1819	8-18	0750 0803	"	12.8	3.30	1.00	1.90	3.3	.6	12	0	"	
1820	8-25	0826 0836	"	11.6	3.12	1.02	1.96	3.2	.6	12	0	"	
1821	9-1	0734 0747	"	11.7	3.27	0.98	1.98	3.2	.5	11	0	"	
1822	9-8	0914 0937	"	11.7	3.25	1.02	2.00	3.3	.5	13	0	"	
1823	9-15	0816 0833	"	12.0	3.17	0.88	2.00	2.8	.6	12	0	"	
1824	9-22	0813 0830	"	11.5	3.44	0.84	2.04	2.9	.6	13	0	"	
1825	9-29	0826 0836	"	11.2	3.37	0.86	2.07	2.9	.6	12	0	"	
1776	2-10	0903 0920	WADDICOR	15.4	11.7	0.43	1.83	5.0	.6	14	0	FC37	
1777	2-16	0913 0925	"	10.0	3.83	1.41	1.85	5.4	.6	10	0	"	
1778	2-17	0813 0823	WADDICOR-BRITZMAN	32.3	21.6	1.61	2.06	34.7	.6	14	- .04	"	
1779	2-24	0905 0918	WADDICOR	11.4	4.93	1.54	1.94	7.6	.6	10	0	"	
1780	2-27	1102 1118	"	29.0	18.4	3.05	2.79	56.2	.6	16	+ .23	"	
1781	2-28	0915 0925	"	13.0	4.80	1.12	1.84	5.4	.6	14	+ .07	"	
1782	3-3	0900 0910	"	13.3	4.94	1.03	1.85	5.1	.6	15	0	"	
1783	3-10	0905 0918	"	11.2	5.19	0.96	1.88	5.0	.6	10	0	"	
1784	3-10	1558 1610	"	15.5	10.2	2.77	2.66	28.3	.6	9	- .03	"	
1785	3-10	2035 2046	WADDICOR-BRITZMAN	85.0	137.	2.76	3.59	385.	.6	11	+ .16	"	
1786	3-11	0831 0846	"	17.0	12.9	1.09	1.91	14.1	.6	14	- .02	"	
1787	3-11	1541 1550	"	14.6	7.44	1.29	1.77	9.6	.6	11	- .01	"	
1788	3-16	0828 0840	WADDICOR	83.0	132.	3.39	3.52	448.	.6	11	- .12	"	
1789	3-16	1523 1523	"	27.0	19.2	0.61	2.16	11.7	.6	12	- .02	"	
1790	3-17	0930 0944	"	13.0	4.60	1.41	1.89	6.5	.6	11	+ .01	"	
1791	3-24	0908 0920	"	13.3	4.64	1.12	1.87	5.2	.6	11	0	"	
1792	3-31	0823 0847	"	11.6	4.61	1.17	1.90	5.4	.6	11	0	"	
1793	4-7	1322 1334	"	CHANNELS			1.86	5.2	.6	17	0	"	
1794	4-14	0948 1000	"	10.4	4.69	1.02	1.91	4.9	.6	10	0	"	
1795	4-21	0910 0922	"	10.5	3.82	1.26	1.95	4.8	.6	12	0	"	
1796	4-21	2310 2325	"	56.0	71.1	3.06	3.44	218.	.6	13	+ .04	"	
1797	4-22	0840 0850	"	25.5	19.3	2.05	2.48	39.5	.5	15	- .02	"	

6076M Cb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F04-R

Daily discharge, in second-feet of RIO HONDO above Mission Bridge for the year ending September 30, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3.8	4.1	5.7	4.7	14	b 6.0	7.5	6.5	4.7	4.4	3.3	4.4
2	3.6	5.7	5.7	5.2	4.0	b 6.0	6.0	6.2	4.9	4.2	3.1	3.6
3	3.6	5.7	6.0	4.9	3.8	b 6.0	5.7	6.2	5.4	4.1	3.3	3.6
4	3.6	6.0	4.1	4.7	4.0	b 6.0	5.2	6.2	5.2	3.9	3.3	4.4
5	3.1	6.5	5.2	4.9	7.8	b 6.0	1.7	10.4	4.9	4.1	3.3	3.9
6	3.4	6.5	4.7	4.9	8.0	b 6.0	2.4	24.2	4.4	3.8	3.6	4.1
7	3.9	5.4	4.7	5.7	8.0	b 6.0	1.2	42.7	4.2	3.9	3.9	3.9
8	3.9	4.1	4.7	5.7	8.0	b 6.0	1.8	66.3	4.2	4.1	3.9	4.1
9	3.8	5.4	4.7	5.4	6.0	b 7.5	1.3	64.0	4.4	4.1	3.9	5.4
10	3.6	5.7	4.7	5.2	6.0	b 9.0	1.3	63.2	4.2	3.9	4.1	5.7
11	3.6	6.0	4.7	9.4	5.7	b 8.5	1.0	61.0	4.2	3.9	4.1	4.2
12	4.9	6.5	4.4	12.3	5.7	b 8.5	1.0	35.2	4.4	3.9	4.1	3.9
13	4.2	6.5	4.4	8.8	13.9	b 8.0	7.5	6.7	4.9	3.8	4.1	3.9
14	4.1	3.6	4.4	5.7	17.6	b 7.0	8.5	5.7	5.2	3.8	4.1	3.9
15	3.8	2.8	4.4	4.4	13	b 8.0	7.5	5.4	4.1	3.6	4.1	4.4
16	4.1	6.7	4.7	4.1	12	b 9.9	7.5	5.4	4.2	3.6	4.2	4.7
17	3.6	6.7	4.4	3.6	25	b 6.3	6.5	4.7	4.2	3.4	4.9	4.2
18	4.1	7.0	4.4	6.4	19	b 12	6.5	4.9	4.2	3.6	5.4	3.8
19	3.9	6.5	4.4	2.4	b 6.0	b 12	6.5	5.2	4.2	3.6	5.2	3.3
20	3.4	12	4.4	6.1	b 6.0	b 3.8	6.2	5.7	4.2	3.6	4.9	3.1
21	3.6	6.2	4.4	11	b 11	b 10.2	6.0	5.4	4.2	3.6	5.7	3.4
22	6.3	5.4	4.4	11	b 6.0	b 11.6	5.0	4.4	4.2	3.6	5.7	3.3
23	8.6	6.5	4.7	11	b 6.0	b 5.5	4.4	4.4	4.1	3.8	6.0	3.3
24	4.2	6.2	4.9	4.3	b 4.3	b 5.7	4.9	4.9	3.9	3.8	6.7	3.4
25	3.9	6.0	4.9	6.3	b 1.7	b 5.5	4.9	4.9	3.9	3.8	6.2	3.4
26	4.1	5.2	4.9	11	b 1.3	b 8.0	4.9	4.7	3.8	3.8	6.5	3.4
27	4.2	5.2	5.2	9.5	b 6.0	b 7.5	5.7	6.2	3.8	3.8	6.5	3.6
28	4.7	5.4	5.2	9.0	b 6.0	b 7.0	5.7	5.7	3.6	3.9	6.5	3.6
29	4.9	5.4	5.2	13	b 7.5	b 6.5	5.7	5.7	3.8	3.9	5.7	3.9
30	5.7	5.4	5.2	4.0	b 2.9	b 6.5	5.2	4.1	3.6	4.9	4.9	3.9
31	5.4	4.7	4.7	3.9	b 9.5	b 8.5	4.7	4.7	3.6	5.2	5.2	3.9
	131.6	557.9	185.5	2803.8	1900.2	1627.9	272.8	5796.0	130.6	118.9	146.4	118.0
MEAN	4.25	18.6	5.98	90.4	67.9	52.5	9.09	122.	4.35	3.84	4.72	3.93
ACRE- FEET	261.	1110.	368.	5560.	3770.	3230.	341.	7530.	259.	236.	290.	234.
Remarks:									YEAR OR PERIOD	MEAN ACRE-FEET		32.3 23390.

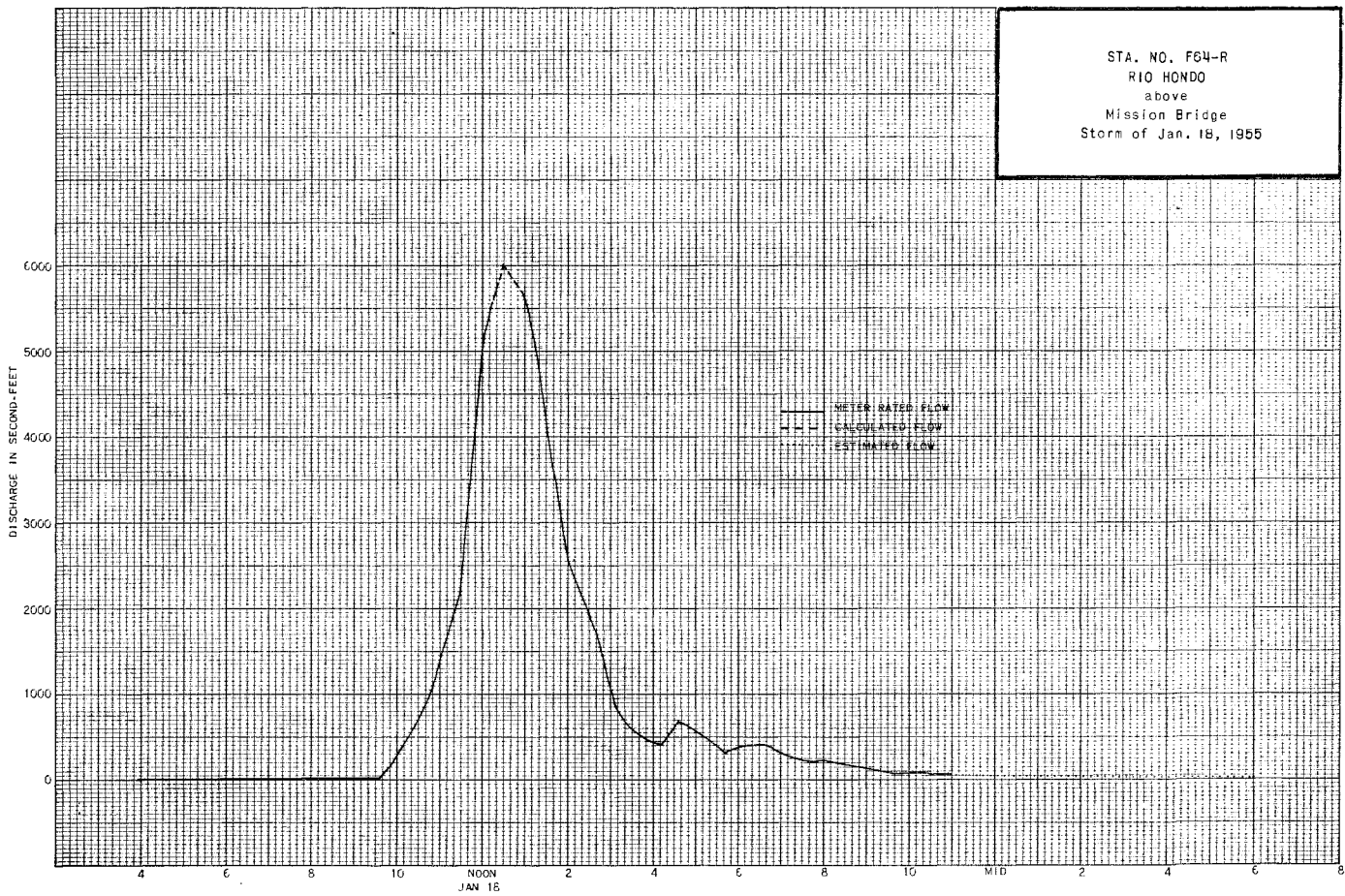
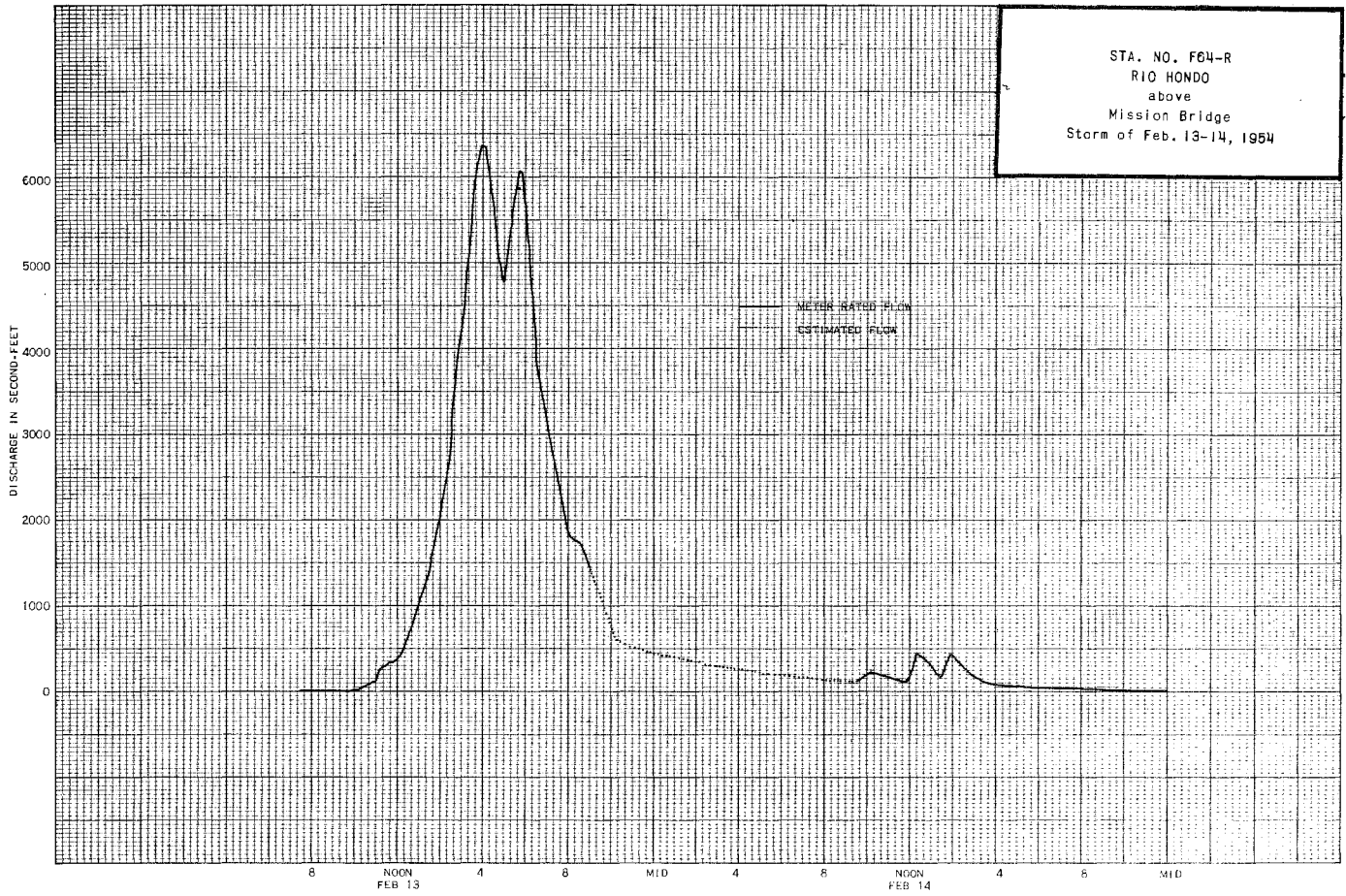
6076M Cb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F04-R

Daily discharge, in second-feet of RIO HONDO above Mission Bridge for the year ending September 30, 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4.1	4.7	5.0	14.1	6.5	6.3	4.7	23.5	4.7	3.5	3.8	2.5
2	4.1	5.0	4.7	12	7.0	5.7	5.0	9.0	4.7	3.5	3.5	2.2
3	4.1	5.0	12.0	8.6	6.6	5.7	5.4	7.3	4.4	3.5	3.5	5.2
4	4.7	4.7	1.3	5.7	7.0	6.0	6.3	4.7	3.8	2.0	3.8	2.2
5	4.1	4.4	7.3	5.7	7.0	6.0	6.0	6.0	5.6	1.8	3.8	2.8
6	4.1	4.4	4.1	10.5	7.0	6.0	6.0	6.0	5.7	4.1	3.1	2.8
7	4.1	4.4	4.1	6.3	7.7	5.4	5.7	9.7	5.4	4.1	4.4	2.0
8	6.7	4.1	4.4	4.7	5.7	5.4	5.4	6.8	5.4	4.1	3.8	2.7
9	5.0	4.1	9.3	4.4	5.4	5.0	5.0	5.1	5.0	4.1	3.5	2.0
10	3.5	1.3	6.3	74.3	5.0	12.4	5.0	5.0	5.0	4.1	3.5	2.5
11	5.8	46.3	6.6	14	5.0	3.5	4.7	5.7	4.7	3.8	3.1	2.2
12	4.1	6.4	5.7	7.0	5.0	7.4	4.4	5.4	4.4	3.8	3.1	2.2
13	4.4	9.3	5.0	6.3	5.0	6.6	4.1	5.4	4.1	3.5	3.5	2.0
14	4.4	7.0	4.7	5.7	5.4	9.0	4.7	5.0	3.8	3.5	3.5	2.0
15	4.7	9.9	5.0	5.7	5.4	6.6	5.0	3.0	3.8	3.8	3.8	2.8
16	4.7	9.8	5.0	13.4	3.0	3.3	5.0	5.0	3.8	3.8	3.5	3.5
17	4.4	5.7	5.0	7.4	8.2	6.3	5.0	5.0	3.5	3.8	3.5	3.5
18	4.4	5.4	5.4	74.9	7.8	6.0	5.0	4.7	3.5	3.5	3.1	3.5
19	5.0	5.4	5.0	1.8	6.6	6.0	4.7	5.0	2.5	3.5	3.1	2.5
20	4.7	4.7	5.4	2.9	5.7	5.4	4.4	5.7	3.1	3.8	3.5	2.8
21	4.4	4.4	5.4	9.3	5.7	5.0	3.1	5.4	2.8	3.8	3.8	2.5
22	4.4	4.1	5.0	7.6	5.7	5.4	12.1	5.0	2.5	3.8	3.8	2.8
23	4.4	4.4	5.7	7.0	5.7	5.4	6.3	5.0	2.8	3.8	3.8	3.5
24	4.1	4.7	5.4	7.6	5.4	5.4	6.3	5.7	2.5	4.1	3.5	3.5
25	4.4	4.7	5.4	7.3	5.4	5.7	6.6	5.7	3.1	4.1	3.1	2.8
26	4.4	4.7	5.4	7.6	1.3	5.7	1.8	5.0	2.8	4.1	3.1	4.1
27	4.4	5.0	5.4	7.6	4.3	5.4	5.4	5.0	3.1	3.8	2.8	2.8
28	4.4	5.0	5.4	7.0	7.3	5.0	5.0	4.4	3.1	3.8	3.1	2.8
29	4.1	5.6	5.4	6.6	6.0	6.0	4.7	5.0	3.5	3.8	2.8	3.5
30	4.1	5.0	5.0	4.0	6.0	6.0	3.5	3.5	3.5	3.5	3.1	2.5
31	4.4	5.0	5.0	3.9	6.0	6.0	3.5	3.5	3.5	3.8	2.8	2.5
	136.6	683.6	429.9	2186.0	314.0	394.5	662.4	489.3	116.6	117.5	102.3	85.7
MEAN	4.41	22.6	13.9	70.5	11.2	12.7	22.1	15.8	3.89	3.79	3.30	2.66
ACRE- FEET	271.	1360.	553.	4300.	623.	782.	1310.	970.	231.	233.	203.	170.
Remarks:									YEAR OR PERIOD	MEAN ACRE-FEET		15.7 11350.







FD-714 (Rev. 12-53)

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F313-R

Daily discharge, in second-feet of RIO HONDO BY-PASS CHANNEL above Whittier Narrows Dam Structure for the year ending September 30, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1												109
2												107
3												86
4												10
5												0.3
6												0.3
7											9.8	0.3
8											76	0.3
9											111	0.3
10											117	0.3
11											135	0.3
12											138	0.3
13											136	0.3
14											128	0.3
15											126	0.3
16											125	0.3
17											123	0.3
18											120	3.3
19											120	5.4
20											119	5.4
21											118	7.3
22											117	11.1
23											117	13.2
24											117	2.2
25											119	1.4
26											117	1.1
27											118	0.9
28											115	
29											113	
30											111	
31											110	

2855.8 790.6

MEAN												
ACRE- FEET											5660.	1570.

Remarks: YEAR OR PERIOD MEAN ACRE-FEET 7230.

FD-714 (Rev. 12-53)

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F313-R

Daily discharge, in second-feet of RIO HONDO BY-PASS CHANNEL above Whittier Narrows Dam Structure for the year ending September 30, 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1			35									
2			37									
3		44	31									
4		141	63									
5		155	169									
6		163	165									
7		160	162									
8		154	164									
9		33	138									
10		116	66									
11		16	162									
12		0.4	22									
13		60										
14		122										
15		99										
16		36										
17		159										
18		159										
19		160										
20		165										
21		165										
22		165										
23		166										
24		167										
25		167										
26		167										
27		167										
28		168										
29		168										
30		168										
31		168										

1244.2 3661.4

MEAN		122.	40.1									
ACRE- FEET		7252.	2469.									

Remarks: YEAR OR PERIOD MEAN ACRE-FEET 13.4 9730.

STATION F45B-R  
RIO HONDO above Stewart and Gray Road

LOCATION: WATER-STAGE RECORDER, LAT. 33°56'46", LONG. 118°09'44". ON THE LEFT (EAST) BANK OF CHANNEL, 0.6 MILE UPSTREAM FROM JUNCTION OF RIO HONDO AND LOS ANGELES RIVER AND ABOUT 1.5 MILES WEST OF DOWNEY. THIS STATION IS NEAR LOCATION OF THE STATION OPERATED FROM 1923 TO 1926 BY THE STATE DIVISION OF WATER RIGHTS. ELEVATION OF ZERO GAGE HEIGHT, 91.4 FEET.

DRAINAGE AREA: 140 SQUARE MILES. (EXCLUDES DRAINAGE ABOVE SANTA FE DAM.)

CHANNEL AND CONTROL: CHANNEL - CONCRETE, 100 FEET WIDE WITH 2.25:1 RIPRAPPED SLOPES, CHANNEL FORMS CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING NEAR GAGE. HIGH FLOWS MEASURED FROM CABLE CAR 30 FEET ABOVE STATION.

RECORDER: INSTALLED MARCH 1, 1926 AT STATION F45-R, REMOVED APRIL 16, 1951 FOR CHANNEL CONSTRUCTION, REINSTALLED AT STATION F45B-R ON OCTOBER 31, 1951 OVER A 48 INCH DIAMETER CONCRETE STILLING WELL. AN AN CONTINUOUS RECORDER IN SERVICE FROM OCTOBER 31, 1953 TO SEPTEMBER 30, 1955.

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 1926 TO APRIL 10, 1951, AND FROM OCTOBER 31, 1951 TO SEPTEMBER 30, 1955. (FOR RECORDS PRIOR TO MARCH, 1926, SEE STATE DIVISION OF WATER RIGHTS BULLETINS.)

EXTREMES OF DISCHARGE:

- 1953-54  
MAXIMUM 8660 SECOND-FEET FEBRUARY 13.  
MINIMUM NO FLOW AT VARIOUS TIMES.
- 1954-55  
MAXIMUM 4160 SECOND-FEET JANUARY 16.  
MINIMUM NO FLOW AT VARIOUS TIMES.
- 1929-55  
MAXIMUM 24,400 SECOND-FEET ESTIMATED MARCH 2, 1936.  
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: GOOD.

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

DISCHARGE MEASUREMENTS OF RIO HONDO  
above Stewart and Gray Road DURING THE YEAR ENDING SEPTEMBER 30, 19 54

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC.	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAT. IND.	METH. EMP.	HEAR. REC. NO.	D. CH. CHANGE	METER NO.
34	11-14	1735 1745	BONADIMAN-THOMAS	110.	155.	4.41	2.98	683.		.6	9	-.18	FC19
35	1-12	1810 1820	" "	40.	34.2	2.43	1.82	83.1		.6	8	+.21	"
36	1-12	1745 1755	" "	107.	76.3	1.63	2.19	124.		.6	9	+.02	"
37	1-19	0405 0424	" "	115.	286.	7.24	3.86	2070.		.6	9	+.62	"
38	1-19	1706 1717	" "	115.	299.	7.36	3.86	2200.		.6	9	-.02	"
39	1-20	0915 0932	" "	43.0	37.6	2.05	1.99	77.1		.6	12	0	"
40	1-24	0942 1020	" "	115.	161.	2.45	2.77	394.		.6	11	+.04	"
41	1-25	0230 0246	" "	115.	339.	7.14	4.40	2420		.6	9	-.06	"
42	2-2	1620 1635	WADDICOR-THOMAS	42.0	16.0	1.27	1.75	20.3		.6	13	0	"
43	2-4	1655 1708	BONADIMAN	110.	91.5	2.84	2.32	260.	SURF	.6	9	-.15	"
44	2-5	1000 1010	" "	13.0	4.85	1.43	1.97	6.9		.6	6	0	"
45	2-11	0900 0910	" "	14.0	4.90	0.92	1.56	4.5		.5	8	0	"
46	2-13	1435 1455	THOMAS	116.	321.	9.44	4.22	3030.		.6	10	+.95	FC51
47	2-14	1645 1710	THOMAS-BONADIMAN	110.	110.	1.78	2.13	196.		.6	13	+.02 -.01	FC19
48	2-18	0852 0900	BONADIMAN	33.0	21.9	0.47	1.48	10.2		.6	8	-.01	"
49	2-26	0842 0852	" "	14.0	3.75	0.85	1.28	3.2		.5	7	0	"
50	3-16	2146 2200	THOMAS-BONADIMAN	123.	244.	4.84	3.12	1180.		.6	10	-.09	"
51	3-17	1020 1038	" "	32.0	22.5	0.68	1.59	15.4		.6	10	-.02	"
52	3-20	0740 0756	" "	115.	286.	3.81	3.68	1090.		.6	11	-.10	"
53	3-21	0930 0950	" "	46.0	39.5	2.11	1.77	83.5		.6	15	-.02	"
54	3-22	0945 1005	BONADIMAN-THOMAS	59.0	55.4	1.86	1.88	103.		.6	11	-.02	"
55	3-35	0952 0952	BONADIMAN	34.0	21.3	0.67	1.58	14.2		.6	8	-.02	"
56	3-30	0235 0246	BONADIMAN-THOMAS	115.	281.	5.09	3.84	1430.		.6	10	-.33	"
57	4-15	0852 0900	BONADIMAN	9.0	4.03	1.39	1.22	5.6		.6	6	0	"
58	4-16	0836 0846	BONADIMAN	9.0	4.74	1.48	1.22	7.0		.6	6	0	FC19
59	4-22	0902 0910	" "	9.0	4.03	1.66	1.27	6.7		.6	6	0	"
60	4-29	0854 0900	" "	13.0	5.00	0.94	1.26	4.7		.6	6	0	"
61	5-6	0900 0912	" "	CHANNELS			2.10	192.		.6	11	0	"
62	5-6	1315 1345	THOMAS	55.	61.2	2.55	2.08	156.		.6	18	+.13	FC51
63	5-6	1512 1525	BONADIMAN	CHANNELS			2.10	173.		.6	11	0	FC19

DISCHARGE MEASUREMENTS OF RIO HONDO  
above Stewart and Gray Road DURING THE YEAR ENDING SEPTEMBER 30, 19 55

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC.	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAT. IND.	METH. EMP.	HEAR. REC. NO.	D. CH. CHANGE	METER NO.
64	11-11	0517 0330	BONADIMAN-THOMAS	100.	99.7	5.23	1.20	522.		.6	10	+.07	FC19
65	11-11	0350 0413	" "	110.	214.	8.22	2.43	1760.		.6	8	-.55	"
66	11-12	1710 1715	" "	8.0	1.56	1.09	0.11	1.7		.5	5	0	"
67	12-3	2245 2300	DE MAR-VAN ALLEN	103.	120.	4.72	1.40	566.		.6	13	-.05 +.04	FC34
68	12-4	1155 1208	" "	12.0	2.58	1.01	0.13	2.6		.5	14	0	"
69	12-9	2330 2345	THOMAS-BONADIMAN	105.	126.	4.52	1.38	570.		.6	8	-.14	FC19
70	12-10	1055 1010	" "	31.0	7.98	1.15	0.25	9.2		.5	9	-.02	"
71	1-1	2012 2030	" "	105.	134.	5.29	1.59	708.		.6	9	-.12	"
72	1-6	1202 1214	BONADIMAN	98.	53.7	2.37	0.94	127.		.6	10	-.02	"
73	1-10	1115 1128	DE MARS-VAN ALLEN	102.	81.6	3.42	1.10	279.		.5	13	-.05	FC34
74	1-10	1735 1735	THOMAS-BONADIMAN	53.0	17.5	1.35	0.51	23.6		.5	8	-.02	FC19
75	1-16	0950 1002	" "	105.	170.	6.71	1.90	1140.		.6	9	-.05	"
76	1-18	1400 1430	DE MARS-VAN ALLEN	115.	357.	11.1	3.83	3960.		.6	13	-.26	FC34
77	1-19	1000 1015	" "	29.0	4.94	0.73	0.10	3.6	SURF	.6	12	-.02	"
78	1-31	0912 0924	THOMAS-BONADIMAN	86.0	23.2	1.62	0.48	37.8		.6	10	0	FC19
79	2-17	0947 0958	" "	100.	59.8	2.81	0.78	168.		.6	9	-.04	"
80	2-27	1419 1428	" "	97.	49.7	2.70	0.74	134.		.6	9	0	"
81	3-11	0056 0122	" "	103.	143.	6.38	1.49	910.		.6	10	-.24	"
82	3-11	1322 1330	BONADIMAN	23.0	1.66	0.96	0.16	1.6	FLOATS	.5	5	0	"
83	3-16	1014 1028	" "	100.	52.0	2.31	0.69	120.		.6	11	-.04	FC19
84	4-22	0250 0305	THOMAS-BONADIMAN	104.	165.	6.54	1.71	1080.		.6	10	-.08	"
85	4-30	1905 1927	BONADIMAN-THOMAS	108.	227.	8.02	2.28	1820.		.6	10	-.17	"
86	5-1	0920 0934	BONADIMAN	102.	108.	3.80	1.26	409.		.6	9	-.07	"

FORM Cb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F468-R

Daily discharge, in second-feet of RIO HONDO above Stewart and Gray 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	0.1	0	0	0	0	0	0	0
2	0	0	0	0	12	0.7	0	0.8	0	0	0	0
3	0	0	0	0	2.6	0.6	0	0	0	0	0	0
4	0	0	0	0	35	0	0	0	0	0	0	0
5	0	0	0	0	14	3.6	1.6	3.8	0	0	0	0
6	0	0	0	0	9.7	1.2	7.0	17.2	0	0	0	0
7	0	0	0	0	6.4	0	6.6	24	0	0	0	0
8	0	0	0	0	4.6	0	7.0	0	0	0	0	0
9	0	0	0	0	4.6	0	5.6	0	0	0	0	0
10	0	0	0	0	4.4	0	2.6	0	0	0	0	0
11	0	0	0	0	4.4	0	5.4	0	0	0	0	0
12	0	0	0	31	4.1	0	6.2	0	0	0	0	0
13	0	0	0	1.6	1730	0	6.0	0	0	0	0	0
14	0	112	0	0	140	0	5.6	0	0	0	0	0
15	0	1.4	0	0	0.6	0	5.6	0	0	0	0	0
16	0	0	0	0	0.5	157	7.7	0	0	0	0	0
17	0	0	0	0	0.7	57	8.4	0	0	0	0	0
18	0	0	0	0	3.0	0	9.0	0	0	0	0	0
19	0	0	0	5.5	0	0	0	0	0	0	0	0
20	0	0	0	1170	0	0	10	0	0	0	0	0
21	0	0	0	103	0	222	12	0	0	0	0	0
22	0	0	0	0	0	34	11	0	0	0	0	0
23	0	0	0	0	0	0	12	0	0	0	0	0
24	0	0	0	0	0	0	11	0	0	0	0	0
25	0	0	0	349	0	0	0	0	0	0	0	0
26	0	0	0	435	0	15	9.7	0	0	0	0	0
27	0	0	0	1.7	5.7	0	9.0	0	0	0	0	0
28	0	0	0	0	5.4	0	9.0	0	0	0	0	0
29	0	0	0	0	1.1	0	12	0	0	0	0	0
30	0	0	0	0	0	0.6	6.4	0	0	0	0	0
31	0	0	0	+	0	161	4.4	0	0	0	0	0
	0	113.4	0	2093.1	2037.3	733.8	207.6	234.6	0	0	0	0
MEAN	0	3.78	0	67.7	72.8	23.7	6.92	7.57	0	0	0	0
ACRE- FEET	0	225.	0	4160.	4040.	1460.	412.	466.	0	0	0	0

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

YEAR MEAN 14.9  
OR PERIOD ACRE-FEET 10760.

FORM Cb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

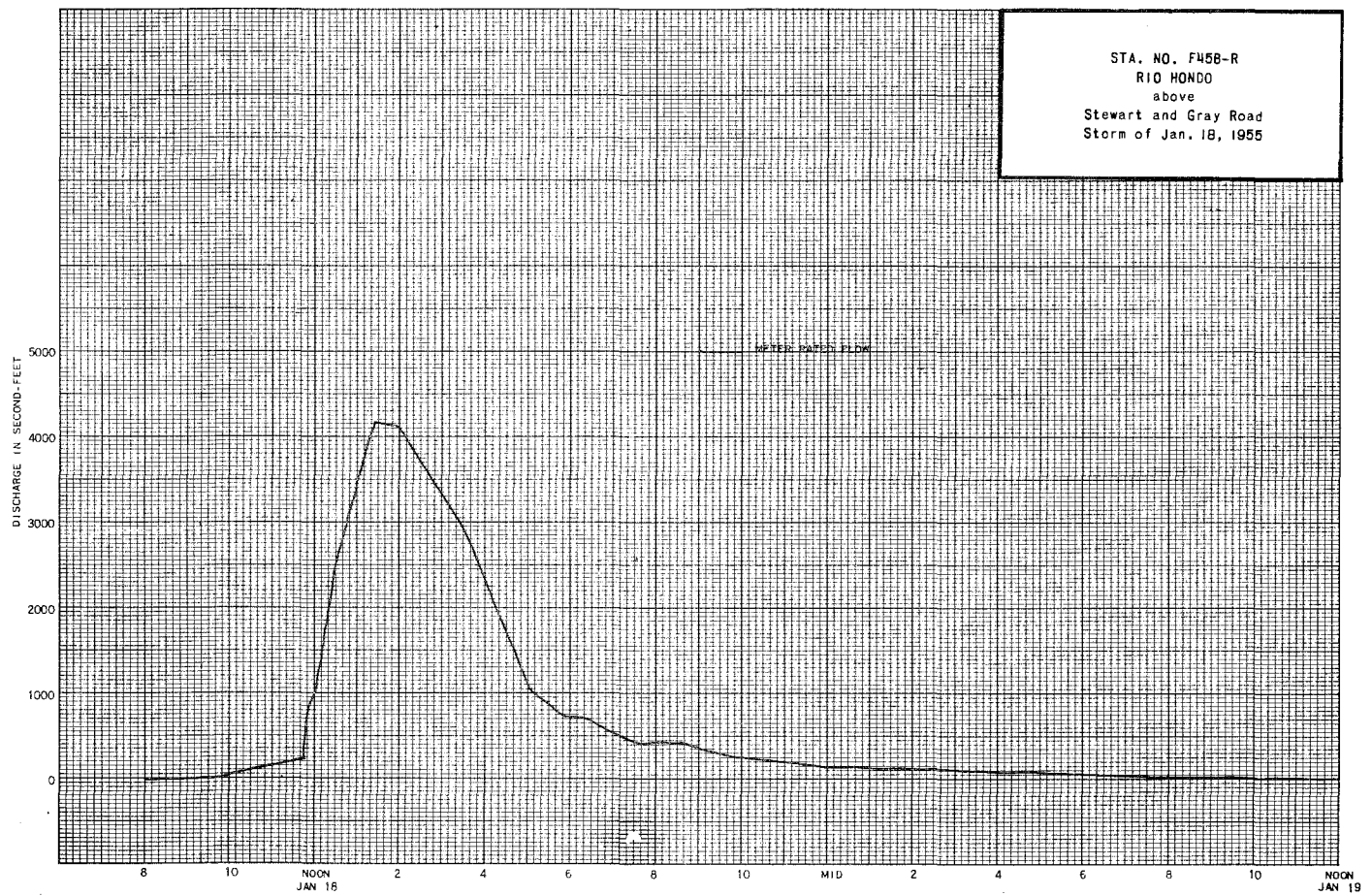
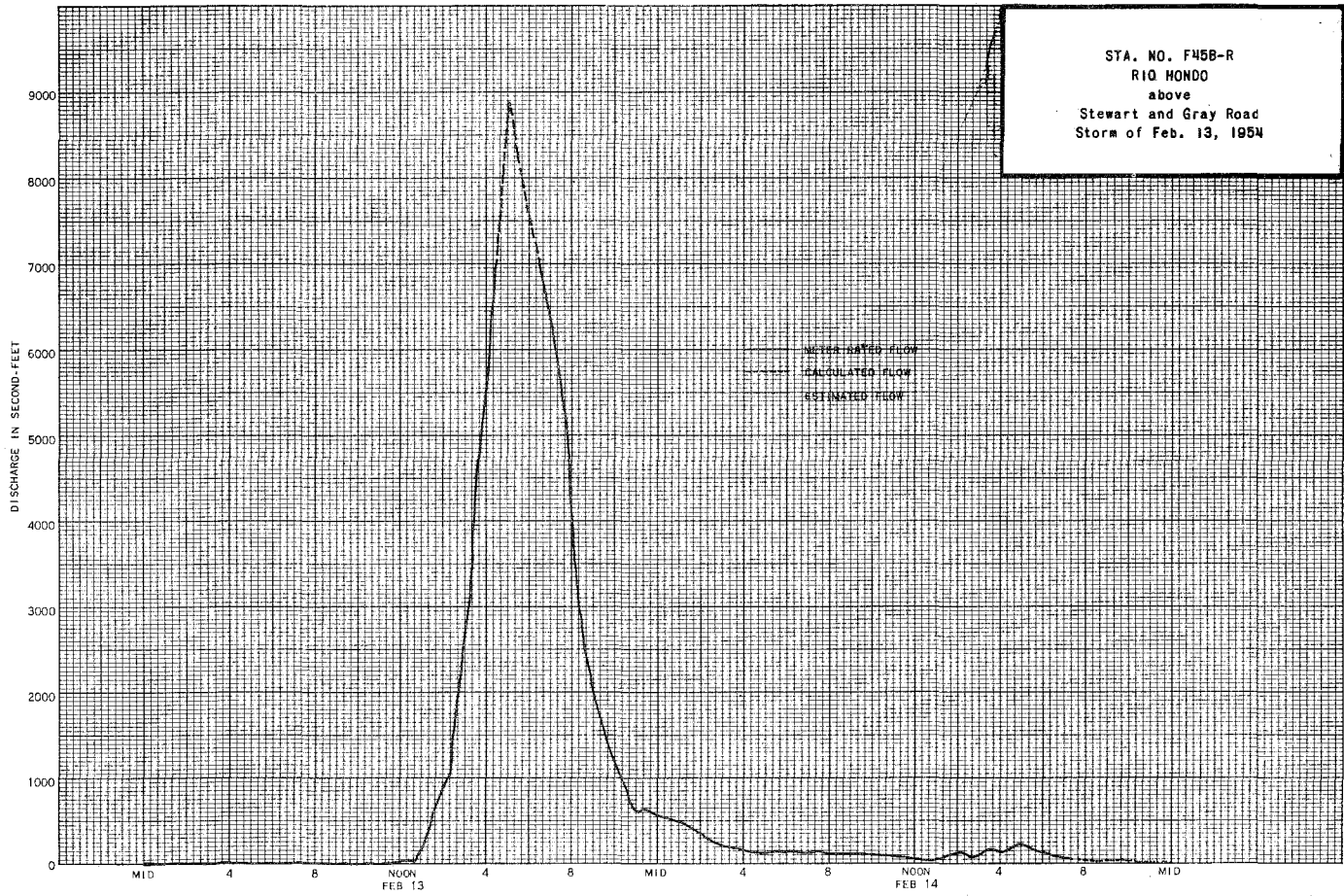
Sta. No. F468-R

Daily discharge, in second-feet of RIO HONDO above Stewart and Gray 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	14.6	0	0	0	251	0	0	0	0
2	0	0	0	2.8	0	0	0	2.0	0	0	0	0
3	0	0	8.3	0	0	0	0	+	0	0	0	0
4	0	0	5.4	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	34	0	0	0	0	0	0	0	0
7	0	0	0	3.6	0	0	0	13.7	0	0	0	0
8	0	0	0	0	0	0	0	12.6	0	0	0	0
9	0	0	6.2	0	0	0	0	0	0	0	0	0
10	0	0.2	13.6	59.9	0	3.2	0	0	+	0	0	0
11	0	47.7	0	0.2	0	10.3	0	0	0	0	0	0
12	0	5.2	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
16	0	0	0	23.8	3.1	17.6	0	0	0	0	0	0
17	0	0	0	5.2	3.3	0.2	0	0	0	0	0	0
18	0	0	0	75.3	0	0	0	0	0	0	0	0
19	0	0	0	30	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	3.6	0	0	0	0	0
22	0	0	0	0	0	0	203	0	0	0	0	0
23	0	0	0	0	0	0	0.1	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	2.2	0	10.2	0	0	0	0	0
27	0	0	0	0	4.3	0	0.1	0	0	0	0	0
28	0	0	0	0	0.9	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	3.4	0	0	34.6	0	0	0	0	0
	0	529.2	340.0	1960.2	322	157.8	563.0	402.6	+	0	0	0
MEAN	0	17.6	11.0	63.2	2.94	5.09	12.5	13.0	+	0	0	0
ACRE- FEET	0	1050	670.	3880.	163.	313.	1120.	799.	+	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR MEAN 11.1  
OR PERIOD ACRE-FEET 8000.



STATION U 14-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.4N., R.9W., ON LEFT BANK 0.2 MILE UPSTREAM FROM PUNCHBOWL CANYON AND 0.9 MILE SOUTH OF VALYERMO, ALTITUDE OF GAGE ABOUT 4050 FEET.

DRAINAGE AREA: 23.0 SQUARE MILES.

RECORDS AVAILABLE: JANUARY 1923 TO SEPTEMBER 1937, MAY 1938 TO SEPTEMBER 1955.

AVERAGE DISCHARGE: 31 YEARS (1923-37, 1938-55) 14.9 SECOND-FOOT.

EXTREMES:

1953-54  
MAXIMUM DISCHARGE 320 SECOND-FOOT JANUARY 25. (GAGE HEIGHT 3.39 FEET.)  
MINIMUM 1.8 SECOND-FOOT OCTOBER 29 TO NOVEMBER 3.

1954-55  
MAXIMUM DISCHARGE 48 SECOND-FOOT NOVEMBER 11. (GAGE HEIGHT 2.45 FEET.)  
MINIMUM 4.0 SECOND-FOOT OCTOBER 23-26, 29-31, NOVEMBER 1.

1923-55  
MAXIMUM DISCHARGE 6300 SECOND-FOOT MARCH 2, 1936, BY SLOPE-AREA METHOD.  
MINIMUM 0.7 SECOND-FOOT NOVEMBER 5, 1951.

REMARKS: RECORDS FAIR, NO DIVERSIONS ABOVE STATION.

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

DISCHARGE MEASUREMENTS OF ROCK CREEK  
above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 54

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. NO.	Q. CHG.	MT. TOTAL	METER NO.
	1125	3-31	U.S.G.S.	14.0	7.88	2.16	2.28	17.0					
	1126	4-8	TURNER	15.4	11.3	3.01	2.42	34.0					FC43
1098	10-8	1106 1115	TURNER	4.4	1.70	1.29	1.93	2.15	-6	7	0		FC43
1099	10-13		U.S.G.S.	4.5	1.83	1.25	1.95	2.29	-6	10	0		
1100	10-21	1206 1315	TURNER	4.4	1.76	1.25	1.95	2.23	-5	7	0		FC43
1101	11-3		U.S.G.S.	4.5	1.79	1.08	1.96	1.93	-6	10	0		
1102	11-5	1310 1320	TURNER	4.4	1.84	1.14	2.00	2.14	-5	7	0		FC43
1103	11-18		U.S.G.S.	4.5	1.92	1.06	2.01	2.04	-6	10	0		
1104	11-19	1345 1355	DE MARS	4.4	1.88	1.17	2.02	2.21	-5	7	0		FC43
1105	11-30		U.S.G.S.	4.5	2.05	1.08	2.01	2.22	-6	10	0		
1106	12-10	1220 1230	TURNER	4.4	2.15	1.07	2.07	2.34	-6	7	0		FC43
1107	12-18		U.S.G.S.	4.3	2.23	1.11	2.07	2.48	-6	11	0		
1108	12-22	1315 1325	TURNER	4.4	2.25	1.07	2.08	2.43	-5	7	0		FC43
1109	12-28		U.S.G.S.	4.3	1.96	1.26	2.08	2.46	-6	10	0		
1110	1-6	1350 1400	TURNER	4.2	1.92	1.33	2.04	2.56	-5	7	0		FC43
1111	1-15		U.S.G.S.	4.2	2.01	1.43	2.04	2.88	-6	10	0		
1112	1-19		U.S.G.S.	7.5	4.51	1.93	2.12	8.71	-6	16	0		
1113	1-21	1340 1350	TURNER	7.3	3.91	1.53	2.05	5.95	-6	10	0		FC43
1114	1-27	1350 1400	TURNER	8.4	5.06	1.93	2.20	9.80	-6	10	0		FC43
1115	2-2		U.S.G.S.	8.0	4.00	2.22	2.10	8.88	-6	17	0		
1116	2-3	1340 1350	TURNER	8.0	4.25	2.14	2.08	9.06	-5	10	0		FC43
1117	2-17	1250 1305	TURNER	11.8	7.29	2.07	2.20	15.1	-5	13	0		FC43
1118	2-19		U.S.G.S.	13.0	6.18	2.20	2.19	13.6	-5	14	+01		
1119	2-25	1330 1340	TURNER	12.0	6.89	1.74	2.15	12.0	-5	11	0		FC43
1120	3-3		U.S.G.S.	13.0	5.46	1.85	2.12	10.1	-5	14	0		
1121	3-11	1255 1260	TURNER	12.2	6.19	1.52	2.12	9.38	-6	10	0		FC43
1122	3-16		U.S.G.S.	12.0	5.33	1.51	2.09	8.04	-5	13	0		
1123	3-18	1030 1040	TURNER	10.8	6.25	1.52	2.11	9.52	-5	10	0		FC43
1124	3-25	1330 1340	TURNER	11.7	7.61	2.06	2.19	15.7	-6	8	0		FC43
	1127	4-15	TURNER	16.1	11.4	2.96	2.44	33.7					FC43
	1128	4-16	U.S.G.S.	15.0	11.4	3.21	2.47	36.6					
	1129	4-22	TURNER	15.0	11.1	2.20	2.38	24.4					FC43
	1130	4-29	TURNER	14.5	9.66	2.19	2.29	21.2					FC43
	1131	4-30	U.S.G.S.	15.0	8.86	2.12	2.28	19.8					
	1132	5-13	TURNER	13.5	7.74	1.71	2.19	13.2					FC43
	1133	5-18	U.S.G.S.	14.0	7.74	1.65	2.18	12.8					
	1134	5-27	TURNER	13.0	6.41	1.68	2.12	10.8					FC43
	1135	5-28	U.S.G.S.	13.0	6.84	1.52	2.14	10.4					
	1136	6-10	HYDE	13.0	6.43	1.43	2.10	9.17					FC43
	1137	6-14	U.S.G.S.	13.0	6.40	1.39	2.10	8.91					
	1138	6-24	HYDE	12.8	6.20	1.22	2.08	7.62					FC35
	1139	6-30	U.S.G.S.	13.0	5.82	1.25	2.07	7.30					
	1140	7-8	HYDE	12.5	6.29	1.29	2.07	8.12					FC35
	1141	7-16	U.S.G.S.	10.0	5.03	1.65	2.08	8.29					
	1142	7-22	TURNER	12.0	5.36	1.46	2.07	7.80					FC43
	1143	8-2	U.S.G.S.	12.5	5.64	1.28	2.07	7.22					"
	1144	8-4	TURNER	11.6	4.96	1.57	2.05	7.8					FC43
	1145	8-18	U.S.G.S.	12.0	5.32	1.11	2.06	5.91					"
	1146	8-19	TURNER	12.6	5.21	1.21	2.04	6.3					FC43
	1147	9-2	U.S.G.S.	12.0	5.02	1.19	2.04	5.97					
	1148	9-8	TURNER	11.4	4.94	1.28	2.02	6.32					FC43
	1149	9-17	U.S.G.S.	12.0	4.98	1.18	2.02	5.86					
	1150	9-24	TURNER	11.2	4.53	1.19	2.00	5.35					FC43

DISCHARGE MEASUREMENTS OF ROCK CREEK

AT above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 55

NO.	DATE	RAIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FEET PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. ING.	METH. USED	MEAN DISCH. NO.	D. CHANGE TOTAL	METER NO.	NO.	DATE	RAIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FEET PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. ING.	METH. USED	MEAN DISCH. NO.	D. CHANGE TOTAL	METER NO.
1151	10-1		U.S.G.S.	11.0	4.28	1.04	1.99	4.44	.5	12	0			1181	3-17		U.S.G.S.	11.0	6.48	1.93	2.22	12.5	.6	12	0		
1152	10-7	1309 1315	TURNER	11.2	4.29	1.07	1.99	4.57	.5	12	0	FC43		1182	3-24	1315 1320	TURNER	11.5	6.25	1.57	2.18	9.79	.6	13	0	FC60	
1153	10-14		U.S.G.S.	10.5	3.93	1.13	1.97	4.45	.5	11	0			1183	4-1	1327 1342	"	11.3	6.44	1.77	2.21	11.4	.5	13	0	FC43	
1154	10-21	1415 1427	TURNER	11.5	4.20	1.00	1.97	4.21	.5	12	0	FC43		1184	4-6	1410 1422	"	11.4	6.12	1.70	2.18	10.4	.5	13	0	"	
1155	10-27		U.S.G.S.	9.6	3.98	1.13	2.00	4.51	.5	11	0			1185	4-8		U.S.G.S.	13.0	6.94	1.60	2.19	11.1	.5	14	0		
1156	11-4	1310 1325	TURNER	11.1	4.13	0.99	1.99	4.12	.5	12	0			1186	4-13	1355 1408	TURNER	12.3	6.61	1.66	2.15	11.0	.5	14	0	FC43	
1157	11-16		U.S.G.S.	12.0	4.96	1.08	2.01	5.37	.5	13	0			1187	4-20	1350 1402	"	11.6	6.38	1.69	2.16	10.8	.5	14	0	"	
1158	11-17	1355 1402	DE MARS	10.5	4.29	1.10	2.00	4.71	.5	12	0	FC34		1188	4-27	1035 1047	"	11.5	6.44	1.79	2.17	11.5	.5	13	0		
1159	11-26	1330 1344	HYDE	11.0	4.62	1.17	2.01	5.37	.5	11	0	FC35		1189	4-29		U.S.G.S.	11.3	5.94	1.77	2.16	10.5	.6	13	0		
1160	11-30		U.S.G.S.	9.5	4.42	1.31	2.01	5.79	.6	11	0			1190	5-5	1320 1335	TURNER	12.8	8.09	2.00	2.26	16.2	.5	14	0	FC43	
1161	12-2	1340 1352	HYDE	11.8	4.95	1.17	2.02	5.82	.6	10	0	FC35		1191	5-12	1405 1420	"	12.6	8.16	2.07	2.26	16.9	.5	14	0	"	
1162	12-8	1450 1452	TURNER	12.2	5.62	1.21	2.08	6.79	.6	13	0	FC43		1192	5-17		U.S.G.S.	12.0	7.73	2.17	2.23	16.8	.6	13	0		
1163	12-16	1435 1445	"	11.8	5.19	1.27	2.06	6.56	.5	13	0	"		1193	5-19	1330	TURNER	12.6	7.75	1.94	2.21	15.0	.5	14	0	FC43	
1164	12-17		U.S.G.S.	10.5	5.01	1.39	2.07	6.99	.5	12	0			1194	5-26	1255 1310	"	11.4	6.72	1.95	2.19	13.1	.6	13	0	"	
1165	12-23	1055 1110	TURNER	11.8	4.94	1.22	2.07	6.02	.5	13	0	FC43		1195	6-2		U.S.G.S.	13.0	7.10	1.62	2.18	11.5	.5	14	0		
1166	12-30	1400 1412	"	11.6	4.97	1.19	2.06	5.87	.5	13	0	"		1196	6-9	1308	SADDORIS	11.9	6.05	1.52	2.11	9.2	.5	14	0	FC43	
1167	1-3		U.S.G.S.	10.9	4.61	1.14	2.07	5.28	.5	12	0			1197	6-23		U.S.G.S.	12.4	6.02	1.25	2.09	7.50	.5	13	0		
1168	1-7	1325 1335	TURNER	12.3	5.21	1.11	2.07	5.81	.5	13	0	FC43		1198	6-23	1235 1248	TURNER	11.0	5.27	1.40	2.07	7.4	.5	13	0	FC43	
1169	1-13	1605 1617	"	11.8	5.12	1.15	2.06	5.93	.5	13	0	"		1199	7-7		U.S.G.S.	11.5	4.98	1.03	2.05	5.15	.5	13	0		
1170	1-14		U.S.G.S.	12.0	5.20	1.13	2.05	5.90	.5	13	0			1200	7-7	1200 1218	SADDORIS	11.4	5.34	1.42	2.05	7.57	.6	13	0	FC40	
1171	1-20	1130 1140	TURNER	12.0	5.31	1.24	2.07	6.59	.5	13	0	FC43		1201	7-21	1240 1255	TURNER	11.5	5.06	1.13	2.03	5.71	.5	13	0	FC43	
1172	1-27	1250 1305	"	12.2	5.52	1.27	2.09	7.04	.5	13	0	"		1202	7-27		U.S.G.S.	10.6	4.58	1.26	2.03	5.79	.6	12	0		
1173	1-31		U.S.G.S.	11.0	5.44	1.40	2.13	7.60	.5	12	0			1203	8-4	1305 1317	TURNER	11.6	5.03	1.11	2.04	5.6	.5	13	0	FC43	
1174	2-3	1440 1452	TURNER	12.2	5.70	1.30	2.12	7.43	.5	13	0	FC43		1204	8-16		U.S.G.S.	11.0	4.87	0.31	2.01	4.41	.5	12	0		
1175	2-10	1315 1330	"	12.2	5.67	1.34	2.11	7.61	.5	13	0	"		1205	8-17	1305 1316	DE MARS	11.4	4.84	1.03	2.02	5.0	.5	13	0	FC24	
1176	2-16		U.S.G.S.	10.5	6.24	1.70	2.16	10.6	.5	12	0			1206	8-31	1337 1350	TURNER	11.2	4.56	0.98	2.01	4.0	.5	13	0	FC43	
1177	2-17	1409 1417	TURNER	18.4	12.0	2.46	2.43	29.7	.5	17	+01	FC43		1207	8-7		U.S.G.S.	11.9	4.26	1.07	2.00	4.55	.5	12	0		
1178	2-23	1320 1335	"	12.6	7.37	1.91	2.23	14.1	.5	14	0			1208	9-14	1335 1350	WHISLER	11.0	4.38	0.54	1.99	3.66	.6	12	0	FC43	
1179	3-1	0855 0910	"	12.6	6.82	1.79	2.22	12.2	.5	14	0			1209	9-29	1230 1246	HYDE	11.5	4.50	0.54	1.99	3.77	.5	12	0	FC35	
1180	3-9	1355 1407	"	13.0	6.62	1.65	2.18	10.9	.5	14	0	"															

FORM Cb 12-53

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 54

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.3	1.6	2.3	2.6	3.1	1.1	1.7	1.5	0.1	3.6	7.0	5.4
2	2.3	1.8	2.3	2.6	3.1	1.1	1.7	1.5	0.1	3.6	7.0	6.0
3	2.3	1.8	2.3	2.6	3.1	1.1	1.7	1.5	0.1	3.6	7.0	6.0
4	2.3	1.8	2.3	2.6	3.1	1.1	1.7	1.5	0.1	3.6	7.0	6.0
5	2.3	1.8	2.3	2.6	3.1	1.1	1.7	1.5	0.1	3.6	7.0	6.0
6	2.3	1.8	2.3	2.6	3.1	1.1	1.7	1.5	0.1	3.6	7.0	6.0
7	2.3	1.8	2.3	2.6	3.1	1.1	1.7	1.5	0.1	3.6	7.0	6.0
8	2.3	1.8	2.3	2.6	3.1	1.1	1.7	1.5	0.1	3.6	7.0	6.0
9	2.3	1.8	2.3	2.6	3.1	1.1	1.7	1.5	0.1	3.6	7.0	6.0
10	2.3	1.8	2.3	2.6	3.1	1.1	1.7	1.5	0.1	3.6	7.0	6.0
11	2.3	1.8	2.3	2.6	3.1	1.1	1.7	1.5	0.1	3.6	7.0	6.0
12	2.0	2.3	2.3	2.6	3.1	1.1	1.7	1.5	0.1	3.6	7.0	6.0
13	2.0	2.3	2.3	2.6	3.1	1.1	1.7	1.5	0.1	3.6	7.0	6.0
14	2.0	2.3	2.3	2.6	3.1	1.1	1.7	1.5	0.1	3.6	7.0	6.0
15	2.0	2.3	2.3	2.6	3.1	1.1	1.7	1.5	0.1	3.6	7.0	6.0
16	2.0	2.3	2.3	2.6	3.1	1.1	1.7	1.5	0.1	3.6	7.0	6.0
17	2.0	2.3	2.3	2.6	3.1	1.1	1.7	1.5	0.1	3.6	7.0	6.0
18	2.0	2.3	2.3	2.6	3.1	1.1	1.7	1.5	0.1	3.6	7.0	6.0
19	2.0	2.3	2.3	2.6	3.1	1.1	1.7	1.5	0.1	3.6	7.0	6.0
20	2.0	2.3	2.3	2.6	3.1	1.1	1.7	1.5	0.1	3.6	7.0	6.0
21	2.0	2.3	2.3	2.6	3.1	1.1	1.7	1.5	0.1	3.6	7.0	6.0
22	2.0	2.3	2.3	2.6	3.1	1.1	1.7	1.5	0.1	3.6	7.0	6.0
23	2.0	2.3	2.3	2.6	3.1	1.1	1.7	1.5	0.1	3.6	7.0	6.0
24	2.0	2.3	2.3	2.6	3.1	1.1	1.7	1.5	0.1	3.6	7.0	6.0
25	2.0	2.3	2.3	2.6	3.1	1.1	1.7	1.5	0.1	3.6	7.0	6.0
26	2.0	2.3	2.3	2.6	3.1	1.1	1.7	1.5	0.1	3.6	7.0	6.0
27	2.0	2.3	2.3	2.6	3.1	1.1	1.7	1.5	0.1	3.6	7.0	6.0
28	2.0	2.3	2.3	2.6	3.1	1.1	1.7	1.5	0.1	3.6	7.0	6.0
29	1.8	2.3	2.3	2.6	3.1	1.1	1.7	1.5	0.1	3.6	7.0	6.0
30	1.8	2.3	2.3	2.6	3.1	1.1	1.7	1.5	0.1	3.6	7.0	6.0
31	1.8	2.3	2.3	2.6	3.1	1.1	1.7	1.5	0.1	3.6	7.0	6.0
	69.0	69.2	76.7	326.8	365.2	372.9	93.8	401.0	267.1	259.2	138.0	179.4
MEAN	2.19	2.31	2.47	10.9	13.0	12.0	31.3	12.9	8.90	8.36	6.06	5.98
ACRE-Feet	135.	137.	152.	668.	724.	740.	1860.	795.	530.	514.	373.	356.
Remarks:												
									YEAR OR PERIOD	MEAN		9.65
									ACRE-Feet			6980.

FD-214 (Rev. 12-53)

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, 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4.8	4.0	6.0	6.4	7.4	12	12	14	12	6.4	6.0	4.8
2	5.2	4.4	6.0	6.0	7.4	11	12	12	12	6.4	5.6	4.8
3	5.2	4.4	8.0	6.0	7.4	10	12	13	12	6.4	5.2	4.8
4	4.8	4.4	9.7	6.0	7.4	10	12	14	11	6.4	6.0	4.8
5	4.8	4.4	9.1	6.0	7.4	10	12	17	11	6.4	5.6	4.4
6	4.8	4.4	8.6	6.0	7.4	10	11	18	11	6.0	5.2	4.4
7	4.8	4.8	7.4	6.0	7.4	10	11	18	10	6.4	5.2	4.4
8	4.8	5.2	7.0	6.0	7.4	10	11	18	10	6.0	5.2	4.4
9	4.8	5.2	7.4	6.0	7.4	10	11	18	9.7	6.0	5.2	4.4
10	4.8	5.2	8.0	6.0	7.4	10	11	19	9.7	6.4	5.2	4.4
11	4.8	15	7.0	6.0	7.4	13	12	19	9.7	6.0	5.6	4.4
12	4.8	9.1	7.0	6.0	7.4	14	12	19	9.7	6.0	5.2	4.4
13	4.8	8.0	7.0	6.0	8.0	14	12	19	9.7	6.0	5.2	4.4
14	4.8	7.0	7.0	6.0	9.1	13	12	19	9.7	6.0	5.6	4.4
15	4.8	6.0	7.0	6.0	9.7	13	12	18	9.7	6.0	5.2	4.4
16	4.8	5.6	7.0	7.0	12	12	12	17	9.7	6.0	5.6	4.4
17	4.8	5.2	6.4	7.0	2.6	12	12	17	9.7	6.0	5.2	4.4
18	4.4	5.2	6.4	7.0	2.4	12	12	17	9.1	6.0	5.2	4.8
19	4.4	4.8	6.4	6.4	2.0	12	12	17	8.6	6.4	5.2	4.8
20	4.4	4.4	6.4	6.4	1.7	12	12	16	8.6	6.4	4.8	4.4
21	4.4	4.4	6.4	6.4	1.6	10	12	16	7.4	6.4	4.8	4.4
22	4.4	4.8	6.4	6.4	1.5	10	13	15	7.4	6.4	4.8	4.4
23	4.0	5.2	6.4	6.4	1.4	10	12	14	7.4	6.4	4.8	4.4
24	4.0	5.2	6.4	6.4	1.3	9.7	12	14	7.4	6.4	4.8	4.4
25	4.0	5.2	6.4	6.4	1.3	9.7	12	14	7.0	6.4	4.8	4.4
26	4.0	5.6	6.4	7.0	1.3	9.7	12	13	7.0	6.4	4.8	4.4
27	4.4	6.0	6.4	7.0	1.4	10	12	13	7.0	6.0	4.8	4.4
28	4.4	6.0	6.4	7.0	1.2	11	12	12	7.0	6.0	4.8	4.4
29	4.0	6.0	6.0	7.0	1.2	11	11	12	6.4	6.0	4.8	4.4
30	4.0	5.6	6.0	7.0	1.2	12	14	12	6.4	6.0	5.6	4.4
31	4.0	6.0	6.0	7.4	1.2	12	13	13	5.6	5.6	4.8	4.8

141.2      170.7      214.0      198.6      324.6      346.1      357.0      487.0      273.0      191.2      160.0

MEAN	4.55	5.69	6.96	6.41	11.6	11.2	11.9	15.7	9.10	6.17	5.16	4.48
ACRE- FEET	260.	339.	424.	354.	644.	686.	706.	966.	541.	379.	317.	267.

Remarks:

YEAR OR PERIOD      MEAN      8.21  
ACRE-FEET      5940.

STATION U 6-R  
ROGERS CREEK above Mouth of Canyon

LOCATION: WATER-STAGE RECORDER, LAT. 34°05'55", LONG. 117°54'20", IN NW 1/4 NW 1/4 SEC. 23, T. 1N., R. 10W., 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 1955.

AVERAGE DISCHARGE: 36 YEARS, 2.99 SECOND-FEET

EXTREMES OF DISCHARGE:

- 1953-54  
MAXIMUM DISCHARGE 327 SECOND-FEET JANUARY 25. (GAGE HEIGHT 5.71 FEET.)  
MINIMUM NO FLOW DURING SOME MONTHS.
- 1954-55  
MAXIMUM DISCHARGE 16 SECOND-FEET JANUARY 18. (GAGE HEIGHT 3.24 FEET.)  
MINIMUM NO FLOW DURING SOME MONTHS.
- 1917-55  
MAXIMUM DISCHARGE ABOUT 2600 SECOND-FEET APRIL 7, 1926.  
MINIMUM NO FLOW DURING PART OF EACH YEAR.

REMARKS: RECORDS GOOD. ONE SMALL DIVERSION ABOVE STATION FOR IRRIGATION.

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



DISCHARGE MEASUREMENTS OF ROGERS CREEK  
 above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1954

DISCHARGE MEASUREMENTS OF ROGERS CREEK  
 above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1955

NO.	DATE	BSIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE CFS	RAT-ING	METER NO.	MEAN REC. NO.	S. HT. CHANGE TOTAL	METER NO.
1634	1-12		U.S.G.S.				2.75	0.3	EST.				
1635	1-14		"	0.9	0.19	1.16	2.70	0.22	.5	10	-.05		
1636	1-19		"	21.0	17.0	2.20	3.58	37.2	.6	16	-.06		
1637	1-21	1532 1539	STUNDEN	6.0	2.30	0.87	2.83	2.0	.6	8	0	FC36	
1638	1-21		U.S.G.S.	5.0	1.76	0.99	2.83	1.74	.5	11	0		
1639	1-24		"	8.8	3.32	1.85	3.05	6.13	.6	16	+.01		
1640	1-25		"	27.5	22.3	4.37	4.30	97.5	.5	15	-.03		
1641	1-30		"	7.8	2.55	1.05	2.96	2.88	.6	17	0		
1642	2-3		"	7.8	1.97	0.69	2.88	1.35	.6	16	0		
1643	2-8		"	8.0	1.63	0.54	2.83	0.88	.6	14	0		
1644	2-14		"	18.8	8.36	2.10	3.17	17.6	.6	21	0		
1645	2-18		"	14.0	4.28	1.32	2.86	5.66	.6	17	0		
1646	3-2		"	5.4	1.87	0.89	2.61	1.67	.6	16	0		
1647	3-17		"	5.4	2.22	1.18	2.71	2.61	.6	14	+.01		
1648	3-22		"	13.5	4.97	1.30	2.91	6.49	.6	16	0		
1649	4-1		"	14.5	5.60	1.60	2.95	8.96	.6	26	0		
1650	4-14		"	5.5	2.28	1.35	2.73	3.08	.5	16	0		
1651	4-15	1315 1322	WHISLER	5.6	2.29	1.13	2.70	2.6	.5	8	0	FC5	
1652	4-21	1015 1025	"	5.8	2.15	1.02	2.65	2.2	.6	8	0	"	
1653	4-26	1003 1013	"	5.5	2.16	0.97	2.63	2.1	.6	8	0	"	
1654	4-28		U.S.G.S.	5.5	2.16	1.00	2.64	2.17	.6	21	0		
1655	4-30	1120 1132	WHISLER	5.4	2.08	0.91	2.63	1.9	.6	9	0	FC5	
1656	5-6	1412 1415	"	6.5	1.80	0.83	2.56	1.5	.6	8	0	"	
1657	5-11		U.S.G.S.	5.6	2.05	0.79	2.56	1.61	.5	13	0		
1658	5-12	0910 0920	WHISLER	5.4	1.81	0.66	2.54	1.2	.6	8	0	FC5	
1659	5-26		U.S.G.S.	4.7	1.43	0.52	2.46	0.75	.6	18	0		
1660	6-9		"	1.7	0.83	0.63	2.41	0.52	.6	11	0		
1661	6-22		"	1.7	0.72	0.36	2.30	0.26	.6	11	0		

NO.	DATE	BSIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE CFS	RAT-ING	METER NO.	MEAN REC. NO.	S. HT. CHANGE TOTAL	METER NO.
	10-16		U.S.G.S.					NO FLOW					
	11-10		"					NO FLOW					
1662	11-24		"					2.06	0.005	EST.			
1663	12-2	1015 1020	STUNDEN	0.90	0.08	1.25	2.30	0.05	.5	5		FC50	
1664	12-2		U.S.G.S.				2.30	0.06	FLUME				
1665	12-8		"	1.1	0.29	0.83	2.38	0.24	.5	8	0		
1666	12-16		"	2.2	0.32	0.67	2.38	0.24	.5	12	0		
1667	12-22		"				2.36	0.14	FLUME				
1668	12-29	1450 1455	STUNDEN	0.80	0.14	1.00	2.42	0.14	.5	4		FC50	
1669	1-7		U.S.G.S.	3.7	1.24	7.34	2.51	0.92	.6	16	0		
1670	1-13	0800 0810	STUNDEN	3.6	1.33	0.90	2.54	1.15	.5	10	0	FC50	
1671	1-20		U.S.G.S.	4.6	1.94	1.66	2.59	3.22	.6	18	0		
1672	1-27	1355 1405	STUNDEN	4.5	1.28	0.65	2.41	0.83	.5	7		FC50	
1673	2-3		U.S.G.S.	4.6	1.27	0.48	2.38	0.61	.6	18	0		
1674	2-10	1005 1010	STUNDEN	1.7	0.85	0.65	2.35	0.55	.5	6		FC50	
1675	2-17		U.S.G.S.	4.6	1.45	0.76	2.44	1.10	.6	19	0		
1676	2-24	1020 1026	STUNDEN	1.7	0.86	0.55	2.35	0.47	.5	6	0	FC50	
1677	3-4		U.S.G.S.	4.6	1.34	0.64	2.41	0.86	.5	19	0		
1678	3-10	0840 0850	STUNDEN	1.7	0.91	0.66	2.37	0.60	.5	6	0	FC50	
1679	3-16		U.S.G.S.	4.6	1.85	1.36	2.60	2.52	.6	18	0		
1680	9-24	1055 1105	STUNDEN	1.7	0.96	0.88	2.40	0.84	.6	5	0	FC50	
1681	4-1		U.S.G.S.	2.9	0.68	0.47	2.33	0.32	.5	17	0		
1682	4-7	1420 1430	STUNDEN	1.7	0.84	0.50	2.31	0.42	.5	5		FC50	
1683	4-14		U.S.G.S.				0.10		FLUME				
1684	4-21	1240 1250	STUNDEN	1.2	0.23	0.83	2.28	0.19	.5	5		FC50	
1685	4-27		U.S.G.S.	2.2	0.52	0.63	2.31	0.33	.5	13	0		
1686	5-5	0925 0930	STUNDEN	2.5	1.10	1.00	2.43	1.1	.6	6		FC50	
1687	5-10		U.S.G.S.	4.5	2.35	0.56	2.49	1.32	.6	23	0		
1688	5-18	1355 1401	STUNDEN	2.0	0.98	0.53	2.35	0.52	.5	7		FC50	
1689	5-26		U.S.G.S.	1.7	0.74	0.69	2.38	0.51	.6	11	0		
1690	6-9	1555 1605	WHISLER	1.6	0.59	0.19	2.28	0.11	.6	7		FC50	
1691	6-9		U.S.G.S.				2.26	0.06	FLUME				
1692	6-22	1010 1013	MOON	1.0	0.07	0.71		0.05	.5	3		FC48	
	6-23		U.S.G.S.					NO FLOW					
1693	6-28		"					0.01	EST.				
1694	6-28		"				2.07	0.004	FLUME				
1695	7-6		"				2.19	0.02	FLUME				

74074M Cb 12-53

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, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1					1.8	2.0	9.7	1.8	0.7	0.2		
2	0	0	0	0	1.3	1.7	8.2	1.7	0.6	0.2	0	0
3	0	0	0	0	1.3	1.7	7.4	1.6	0.7	0.1	0	0
4	0	0	0	0	1.3	1.7	6.6	1.5	0.7	0.1	0	0
5	0	0	0	0	1.3	1.6	5.8	1.5	0.7	0.1	0	0
6	0	0	0	0	1.0	1.5	5.4	1.5	0.6	0	0	0
7	0	0	0	0	0.9	1.3	5.0	1.5	0.6	0	0	0
8	0	0	0	0	0.9	1.2	4.6	1.5	0.5	0	0	0
9	0	0	0	0	0.9	1.2	4.1	1.5	0.5	0	0	0
10	0	0	0	0	0.9	1.2	3.9	1.5	0.5	0	0	0
11	0	0	0	0	0.9	1.2	3.6	1.4	0.5	0	0	0
12	0	0	0	0.5	0.7	1.1	3.3	1.2	0.5	0	0	0
13	0	0	0	0.4	2.3	1.0	2.9	1.2	0.6	0	0	0
14	0	0	0	0.2	2.3	1.0	2.9	1.2	0.6	0	0	0
15	0	0	0	0.1	1.3	1.0	2.6	1.2	0.5	0	0	0
16	0	0	0	0.1	8.8	2.0	2.4	1.2	0.6	0	0	0
17	0	0	0	0.1	7.0	2.9	2.3	1.2	0.6	0	0	0
18	0	0	0	0.9	5.6	1.8	2.2	1.1	0.5	0	0	0
19	0	0	0	2.2	5.0	1.4	2.2	1.0	0.5	0	0	0
20	0	0	0	6.6	4.0	6.6	2.2	0.9	0.4	0	0	0
21	0	0	0	2.2	3.5	7.1	2.0	0.9	0.4	0	0	0
22	0	0	0	1.0	3.0	6.6	2.0	0.9	0.4	0	0	0
23	0	0	0	0.7	3.0	5.1	2.0	0.8	0.4	0	0	0
24	0	0	0	1.5	3.0	5.1	2.0	0.8	0.3	0	0	0
25	0	0	0	3.4	2.5	7.1	2.0	0.7	0.4	0	0	0
26	0	0	0	1.5	2.5	6.1	2.0	0.8	0.4	0	0	0
27	0	0	0	7.5	2.5	5.4	2.0	0.8	0.5	0	0	0
28	0	0	0	5.0	2.0	5.2	2.3	0.8	0.4	0	0	0
29	0	0	0	3.7		5.5	2.0	0.8	0.4	0	0	0
30	0	0	0	2.6		1.6	2.0	0.8	0.3	0	0	0
31	0	0	0	2.2		1.1	0.7	0.7	0	0	0	0
	0	0	0	171.0	125.1	117.3	107.8	36.0	15.3	0.7	0	0

MEAN	0	0	0	5.52	4.47	3.78	3.59	1.16	0.51	0.02	0	0
ACRE- FEET	0	0	0	399.	248.	233.	214.	71.	30.	1.4	0	0

Remarks:

YEAR OR PERIOD MEAN 1.57  
ACRE-FEET 1140.

74074M Cb 12-53

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, 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0.1	0.6	0.7	1.2	0.4	4.8	0.4	0	0	0
2	0	0	0.1	1.9	0.7	1.0	0.4	2.3	0.3	0	0	0
3	0	0	0.3	0.9	0.6	1.0	0.4	1.5	0.2	0	0	0
4	0	0	0.8	0.7	0.6	0.9	0.4	1.2	0.2	0	0	0
5	0	0	0.4	0.6	0.6	0.9	0.4	1.0	0.2	0	0	0
6	0	0	0.3	0.7	0.6	0.8	0.4	0.9	0.1	0	0	0
7	0	0	0.3	1.0	0.6	0.8	0.5	2.5	0.1	0	0	0
8	0	0	0.2	0.7	0.6	0.7	0.4	2.0	0.1	0	0	0
9	0	0	0.3	0.6	0.6	0.6	0.4	1.5	0.1	0	0	0
10	0	0	0.8	3.3	0.6	0.7	0.4	1.2	0.1	0	0	0
11	0	0	0.4	2.5	0.5	2.0	0.3	1.0	0.1	0	0	0
12	0	0	0.3	1.5	0.5	1.2	0.3	0.9	0.1	0	0	0
13	0	0	0.3	1.2	0.5	1.1	0.2	0.8	0.1	0	0	0
14	0	0	0.3	1.0	0.5	1.0	0.1	0.8	0.1	0	0	0
15	0	0	0.2	0.9	0.5	0.9	0.2	0.8	0.1	0	0	0
16	0	0	0.2	2.4	0.6	2.4	0.2	0.7	0.1	0	0	0
17	0	0	0.2	2.0	1.1	1.7	0.2	0.6	0.1	0	0	0
18	0	0	0.2	7.8	1.0	1.3	0.2	0.5	0.1	0	0	0
19	0	0	0.2	7.6	0.7	1.1	0.2	0.5	0	0	0	0
20	0	0	0.2	3.4	0.6	1.0	0.2	0.4	0	0	0	0
21	0	0.1	0.2	2.3	0.6	0.9	0.2	0.5	0	0	0	0
22	0	0	0.2	1.7	0.5	0.9	0.7	0.5	0	0	0	0
23	0	0	0.2	1.3	0.5	0.8	0.4	0.5	0	0	0	0
24	0	0	0.1	1.1	0.5	0.8	0.4	0.5	0	0	0	0
25	0	0.1	0.1	1.0	0.4	0.7	0.4	0.5	0	0	0	0
26	0	0.1	0.1	0.9	0.5	0.5	0.4	0.5	0	0	0	0
27	0	0.1	0.1	0.9	1.7	0.5	0.4	0.5	0	0	0	0
28	0	0.1	0.1	0.8	1.7	0.5	0.3	0.4	0	0	0	0
29	0	0.1	0.2	0.7		0.5	0.3	0.3	0	0	0	0
30	0	0.1	0.2	0.8		0.4	0.3	0.3	0	0	0	0
31	0	0.1	0.2	0.8		0.4	0.4	0.4	0	0	0	0
	0	0.7	7.8	53.6	19.2	29.3	13.1	30.8	2.6	0	0	0

MEAN	0	0.02	0.25	1.73	0.69	0.95	0.44	0.99	0.09	0	0	0
ACRE- FEET	0	1.4	15.	106.	38.	58.	26.	61.	5.2	0	0	0

Remarks:

YEAR OR PERIOD MEAN 0.43  
ACRE-FEET 311.

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, 1953 TO SEPTEMBER 30, 1955.

REGULATION: FLOW PARTIALLY REGULATED BY LAS FLORES AND RUBIO DEBRIS BASINS.

DIVERSIONS: NONE.

RECORDS AVAILABLE: NOVEMBER 6, 1936 TO SEPTEMBER 30, 1955, FOR PREVIOUS RECORDS ON RUBIO WASH SEE STATIONS F82-R, F107-R, F82B-R, IN PREVIOUS REPORTS.

EXTREMES OF DISCHARGE:  
1953-54  
MAXIMUM 2310 SECOND-FEET JANUARY 19.  
MINIMUM NO FLOW PART OF YEAR.  
1952-53  
MAXIMUM 1290 SECOND-FEET JANUARY 18.  
MINIMUM NO FLOW AT TIMES DURING YEAR  
1930-55 (STATIONS F82-R, F82B-R, F82C-R).  
MAXIMUM 3020 SECOND-FEET JANUARY 16, 1952.  
MINIMUM NO FLOW AT TIMES EACH YEAR.

ACCURACY: GOOD.

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

78074M Cb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F82C-R

Daily discharge, in second-feet of RUBIO WASH at Glendon Way for the year ending September 30, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	b +	b +	b +	b +	+	0.1	0.1	+	b 0.1	b +	b +	b +
2	+	+	b +	+	+	0.1	0.1	+	0.1	+	+	+
3	+	+	b +	+	+	0.1	0.1	+	0.1	+	+	+
4	+	+	18.0	+	+	0.1	0.1	+	0.1	+	+	+
5	+	+	b 0.1	+	+	0.1	+	+	0.1	+	+	+
6	+	+	0.1	+	+	0.1	b +	+	0.1	+	+	+
7	+	+	0.1	+	+	0.1	0.1	+	+	+	+	+
8	+	+	0.1	+	+	0.1	0.1	+	+	+	+	+
9	+	+	0.1	+	+	0.1	0.1	+	+	+	+	+
10	+	+	0.1	+	+	0.1	0.1	+	+	+	+	+
11	+	+	0.1	b +	+	+	0.1	+	+	+	+	+
12	+	+	+	37	+	+	+	+	+	+	+	+
13	+	b +	+	0.2	288	0.1	+	+	+	+	+	+
14	+	7.2	+	+	24	+	+	+	+	+	+	+
15	+	3.9	+	+	0.2	+	+	+	+	+	+	+
16	+	b +	+	+	0.7	70	+	+	+	+	+	+
17	+	b +	+	+	0.3	8.5	+	+	+	+	+	+
18	+	+	+	20	1.8	0.1	+	+	+	+	+	+
19	+	+	+	230	+	+	0.1	+	+	+	+	+
20	+	+	2.6	4.7	+	5.9	0.1	+	+	+	+	+
21	b +	b +	+	0.4	+	19.5	0.1	b	+	+	+	+
22	5.1	+	+	+	+	14.9	0.1	+	+	+	+	+
23	0.2	+	+	0.4	+	1.3	0.1	+	+	+	+	+
24	+	+	+	104	0.1	3.6	0.1	+	+	+	+	+
25	+	+	+	31	0.2	3.7	+	+	+	+	+	+
26	+	+	+	0.2	0.1	0.6	b +	+	+	+	+	+
27	+	+	+	0.2	0.1	1.0	1.2	+	+	+	+	+
28	+	+	+	0.2	0.1	1.0	6.9	+	+	+	+	+
29	+	+	0.1	0.2	+	2.8	+	+	+	+	+	+
30	+	b +	0.1	0.2	+	5.1	+	b +	+	+	+	+
31	b +	+	0.1	0.1	+	0.2	+	0.1	b +	b +	+	b +
	5.3	78.5	19.1	528.8	315.6	294.9	9.6	0.1	0.6	+	+	+

MEAN	0.17	2.62	0.62	17.1	11.3	9.51	0.32	+	0.02	+	+	+
ACRE- FEET	11.	156.	38.	1050.	626.	585.	19.	0.2	1.2	+	+	+

Remarks: + = 0.05 cfs or less

YEAR OR PERIOD MEAN 3.43  
ACRE-FEET 2490.

Form CA 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F82C-R

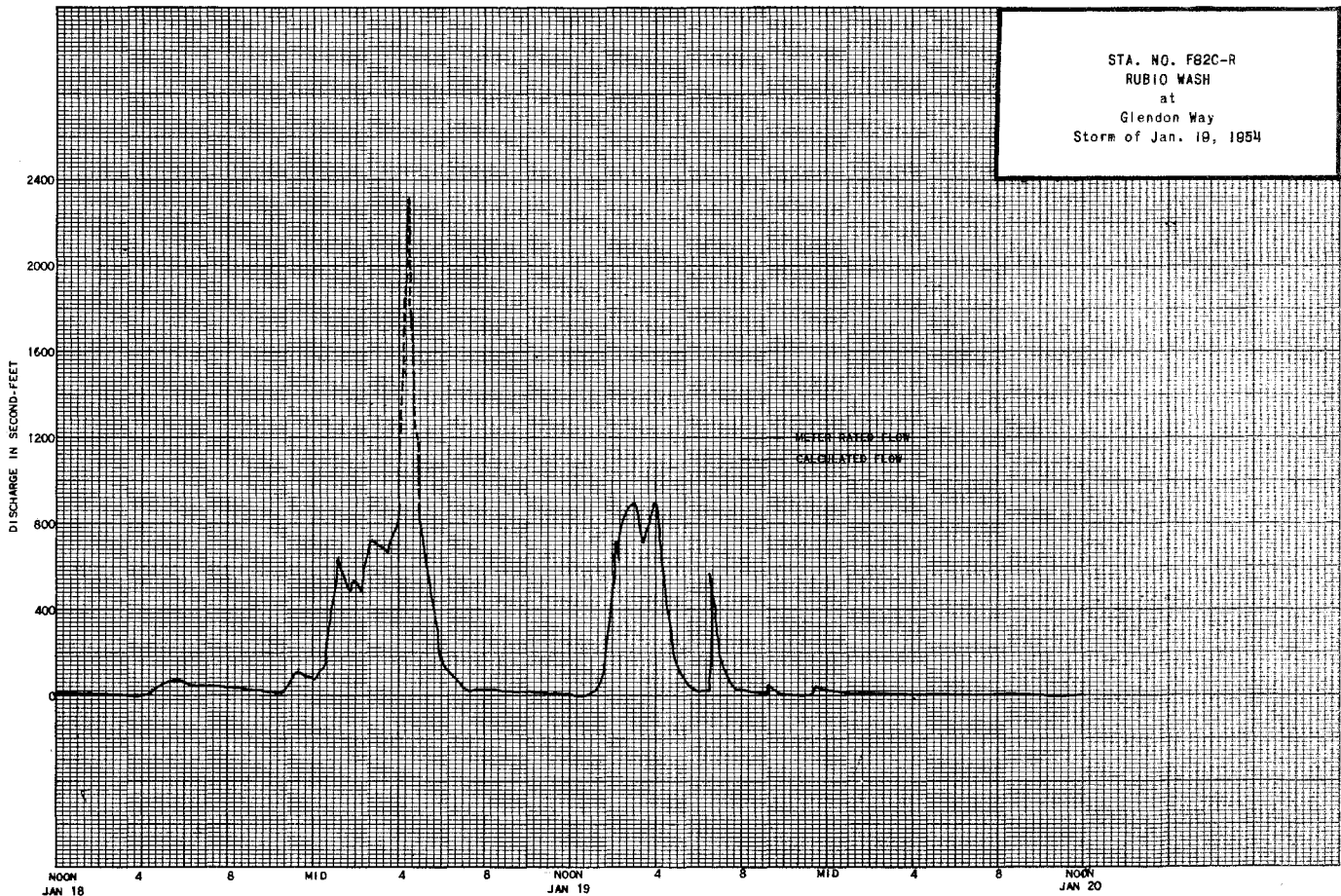
Daily discharge, in second-feet of RUBIO WASH at Glendon Way for the year ending September 30, 1955

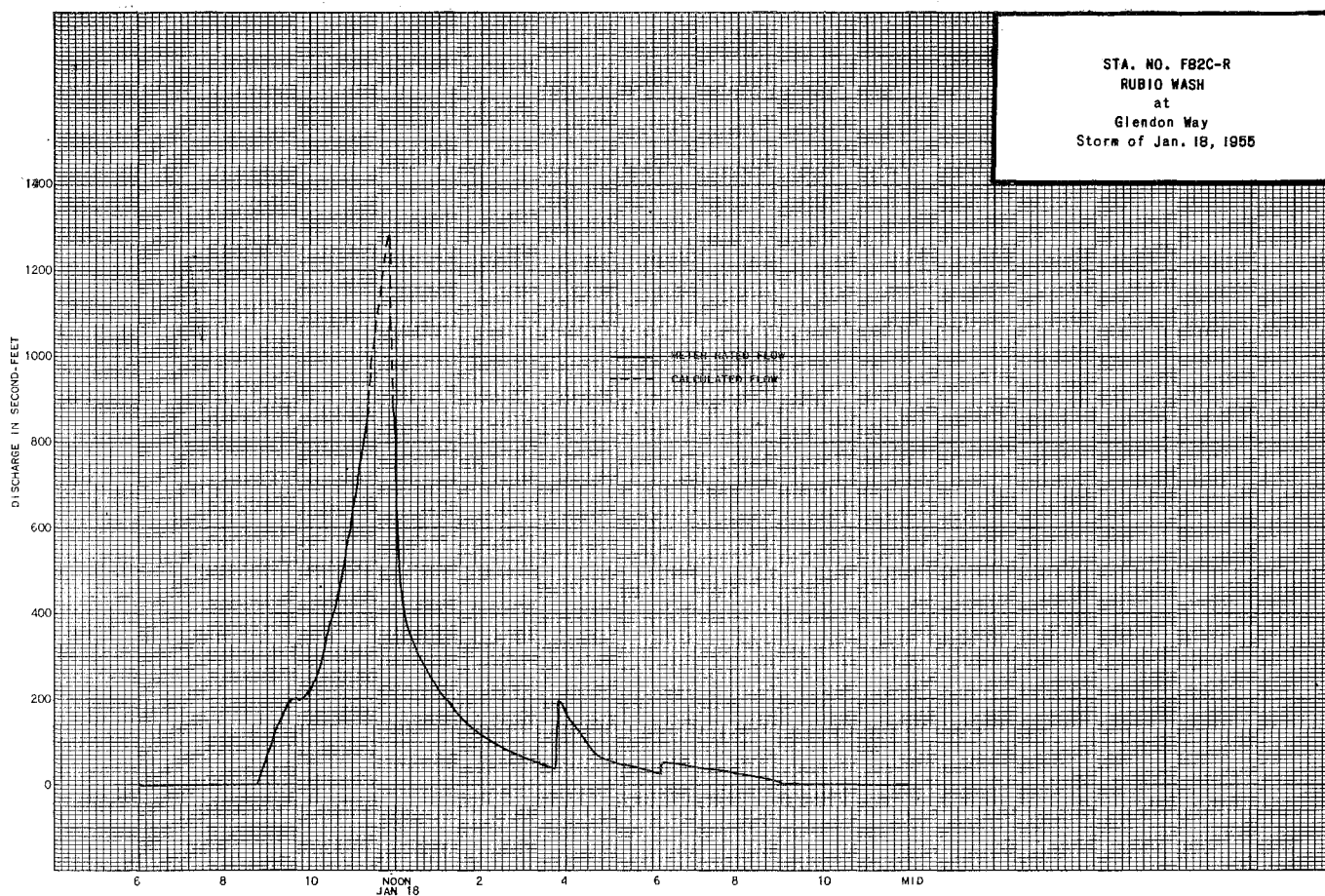
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	b +		b 0.2	39	0.2	0.3						
2		b +	b 0.2	1.8	0.2	0.1	+	50	0.1	+	+	+
3			b 4.3	0.4	0.1	0.1		0.2	0.1			
4			b 0.2	b 0.1	0.1	0.1		0.1	+			
5			b 0.2	b 0.1	0.2	0.1		0.2				
6			b 0.1	0.8	0.1	0.1		0.1				
7			b 0.1	b 0.1	0.6	0.1		24				
8			b 0.1	0.1	0.2	0.1		0.4				
9			b 2.7	+	0.1	0.1		0.1				
10			b 3.6	10.8	0.1	5.5		0.1				
11			b 0.2	0.6	0.1	7.0		+	+			
12			b 18.1	0.2	0.1	0.1		0.1	0.1			
13			b 0.2	0.2	0.1	0.1		+	0.2			
14			b 0.2	0.1	0.1	0.1		+	0.2			
15			b 2.9	0.1	0.1	2.0		+	0.2			
16			b 0.4	4.5	16.6	2.3		+	0.2			
17			b 0.1	0.1	2.1	2.3		+	0.2			
18			b 0.1	12.6	0.1	0.4		+	0.2			
19			b 0.1	1.0	0.1	+		+	0.1			
20			b 0.1	0.2	+	+		0.2	0.1			
21			b 0.1	0.2	0.2	+		+	+			
22			b 0.1	0.2	+	0.1	15.3	0.2	+			
23			b 0.1	0.2	0.2	0.1	+	0.2	0.1			
24			b 0.1	0.2	+	0.1	0.4	0.2	0.2			
25			b 0.1	0.2	0.1	0.1	0.1	0.2	0.2			
26			b 0.1	0.2	5.4	0.1	5.1	0.1	+			
27			b 0.1	0.2	2.7	0.1	0.1	0.1	+			
28			b 0.2	0.1	0.2	+	0.1	0.1	+			
29			b 0.2	0.1	0.1	+	0.1	0.1	+			
30			b 0.2	14.2	0.1	+	7.9	0.4	+			
31	b +	b +	b +	10.9	+	+	+	0.2	+	+	+	+
			75.2		72.9		131.2		1.8			

		117.5		377.8		89.4		77.5				
MEAN	+	3.92	2.42	12.2	2.60	2.88	4.37	2.50	0.06	+	+	+
ACRE-FOOT	+	233.	149.	749.	145.	177.	250.	154.	3.6	+	+	+

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 2.58  
ACRE-FOOT 1870.





STATION U 15-R  
 SAN ANTONIO CREEK  
 below Edison Company Power Plant

LOCATION: WATER-STAGE RECORDER AND BROAD-CRESTED WEIR CONTROL, LAT.  $34^{\circ}12'50''$  LONG.  $117^{\circ}40'00''$ , IN NW 1/4 SE 1/4 SEC. 36 T.2N., R.8W., 9.5 MILE UPSTREAM FROM SOUTHERN CALIFORNIA EDISON COMPANY'S SIERRA POWER PLANT AND 8 MILES NORTHEAST OF CLAREMONT, ALTITUDE OF GAGE ABOUT 3400 FEET.

DRAINAGE AREA: 16.9 SQUARE MILES.

RECORDS AVAILABLE: MARCH 1901 TO SEPTEMBER 1955.

AVERAGE DISCHARGE: 35 YEARS (1917-55), 9.56 SECOND- FEET. AVERAGE COMBINED DISCHARGE OF CREEK AND CONDUIT: 38 YEARS (1917-55), 22.1 SECOND FEET;

EXTREMES OF DISCHARGE:

1953-54  
 MAXIMUM DISCHARGE DURING YEAR 124 SECOND- FEET JANUARY 25, GAGE HEIGHT 2.57 FEET.

MINIMUM PRACTICALLY NO FLOW OCTOBER 17-21.

1954-55  
 MAXIMUM DISCHARGE DURING YEAR 19 SECOND- FEET FEBRUARY 27, GAGE HEIGHT 1.84 FEET.

MINIMUM 0.3 SECOND- FOOT AUGUST 1-3, 28, 31, SEPTEMBER 5-10.

1917-55  
 MAXIMUM DISCHARGE 21,400 SECOND- FEET MARCH 2, 1938. (REVISED BY HYDRO- LOGIC STUDIES.)  
 MINIMUM PRACTICALLY NO FLOW AUGUST 24-27, 31, SEPTEMBER 1, OCTOBER 17-21, 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, WATER RESOURCES BRANCH, FORTY- ONE DISCHARGE MEASUREMENTS FURNISHED BY LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF SAN ANTONIO CREEK  
 below Edison Company Power Plant DURING THE YEAR ENDING SEPTEMBER 30, 19 54

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	RAISE HEIGHT FEET	DISCHARGE REG. FT.	RAT. INR	METH. DO	MEAN REC. NO.	S. CH. CHANGE TOTAL	METER NO.
1339	10-8	1130	STUNDEN	1.4	0.12	1.58	0.66	0.19	.5	5	0		FC50
1340	10-14		U.S.G.S.	1.0	0.26	0.96	0.69	0.25	.5	11			
1341	10-28		"	0.9	0.35	0.74	0.70	0.26	.6	8	0		
1342	10-29	1300 1305	MIDDLETON	1.6	0.28	0.61	0.70	0.17	.6	5	0		FC49
1343	11-12		U.S.G.S.	0.9	0.28	1.32	0.69	0.37	.6	10	0		
1344	11-12	1502 1509	MIDDLETON	1.6	0.28	1.04	0.69	0.29	.5	6	0		FC49
1345	11-25		U.S.G.S.	1.0	0.34	1.12	0.70	0.38	.6	11	0		
1346	12-7		"	1.0	0.38	0.92	0.71	0.35	.6	11	0		
1347	12-18	1135 1145	STUNDEN	1.0	0.36	0.97	0.71	0.35	.5	5	0		FC50
1348	12-22		U.S.G.S.	1.0	0.36	0.94	0.70	0.34	.6	6	0		
1349	1-6		"	0.9	0.32	1.24	0.70	0.40	.6	10	0		
1350	1-22		"										
1351	1-25		"				1.43	11.7	.5	6	13	-.01	
1352	2-10		"				0.82	1.65	.5	6	16	0	
1353	2-11	1130	MIDDLETON				0.83	1.77	.6	10	0		FC26
1354	2-16		U.S.G.S.				0.95	3.25	.5	6	15		
1355	2-25	1521 1535	MIDDLETON	4.4	1.26	1.03	0.85	1.54	.6	9	0		FC26
1356	2-25		U.S.G.S.	4.4	1.21	1.17	0.85	1.42	.5	6	15	0	
1357	3-11		"				0.83	1.28	.5	6	13	0	
1358	3-11	1305 1318	MIDDLETON	3.5	1.01	0.98	0.82	1.20	.6	8	0		
1359	3-24		U.S.G.S.				1.00	4.07	.5	6	22	0	
1360	3-31		"				0.97	3.64	.5	6	27	0	
1361	4-8	1452 1508	MIDDLETON	5.0	1.91	1.57	0.98	3.88	.6	11	0		FC26
1362	4-21		U.S.G.S.	10.6	6.40	3.12	2.00	20.0	.5	6	22	0	
1363	4-29	1330 1333	MIDDLETON				1.54	13.9	.6	17	0		FC26
1364	5-3		U.S.G.S.	8.8	4.56	1.96	1.36	8.75	.5	6	19	0	
1365	5-13	1255 1318	MIDDLETON				0.96	2.88	.6	17	0		FC26
1366	5-19		U.S.G.S.				0.87	1.41	.5	6	20	0	
1367	6-2		"				0.85	1.09	.6	19	0		
1368	6-10	1415 1433	MIDDLETON	4.3	1.68	0.65	0.91	1.09	.6	12	0		FC26
1369	6-16		U.S.G.S.				0.84	0.97	.6	17	0		
1370	6-24	1424 1440	MIDDLETON	4.6	1.70	0.51	0.84	0.86	.6	12	0		FC49
1371	6-30		U.S.G.S.	3.0	1.29	0.61	0.81	0.79	.6	17	0		
1372	7-8	1337 1351	"				0.77	0.70	.6	10	0		FC49
1373	7-14		U.S.G.S.	3.0	1.26	0.52	0.77	0.65	.6	17	0		
1374	7-22	1315 1330	MIDDLETON-WHISLER	3.5	1.28	0.55	0.77	0.70	.6	11	0		FC49
1375	7-28		U.S.G.S.	2.8	1.15	0.53	0.76	0.61	.6	15	0		
1376	8-12	1432 1432	WHISLER	2.8	1.10	0.45	0.81	0.50	.6	7	0		FC26
1377	8-18		U.S.G.S.	2.4	1.00	0.47	0.73	0.47	.6	14			
1378	8-25		"	2.6	1.15	0.44	0.74	0.51	.6	15	0		
1379	8-26	1330 1338	WHISLER	2.6	1.09	0.52	0.75	0.57	.6	7	0		FC26
1380	9-8		U.S.G.S.	2.4	0.92	0.52	0.75	0.48	.6	14	0		
1381	9-10	1230 1240	MIDDLETON-WHISLER	2.3	0.79	0.63	0.75	0.50	.6	8	0		FC49
1382	9-22		U.S.G.S.	2.4	0.84	0.48	0.74	0.40	.6	14	0		

DISCHARGE MEASUREMENTS OF SAN ANTONIO CREEK  
 below Edison Company Power Plant Diversion DURING THE YEAR ENDING SEPTEMBER 30, 19 55

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	RAISE HEIGHT FEET	DISCHARGE REG. FT.	RAT. INR	METH. DO	MEAN REC. NO.	S. CH. CHANGE TOTAL	METER NO.
1383	10-1	1488 1488	MIDDLETON	2.4	0.93	0.54	0.77	0.50	.6	8	0		FC26
1384	10-6		U.S.G.S.	2.4	0.91	0.56	0.78	0.59	.6	14	0		
1385	10-14	1122 1132	MIDDLETON	2.4	0.97	0.55	0.81	0.53	.6	7	0		FC49
1386	10-21		U.S.G.S.	1.5	0.33	2.20	0.76	0.73	.5	9	-.07		
1387	10-28	0854 1006	MIDDLETON	2.4	0.90	0.60	0.78	0.54	.6	8	0		FC49
1388	11-3		U.S.G.S.	2.4	0.92	0.57	0.82	0.53	.6	14	0		
1389	11-15		"	2.4	0.93	0.62	0.79	0.58	.5	15	-.12		
1390	11-18	1400 1410	MIDDLETON	2.3	0.98	0.58	0.78	0.67	.6	8	0		FC49
1391	11-29		U.S.G.S.	2.4	1.21	0.51	0.86	0.66	.6	15	0		
1392	12-15		"	2.1	0.75	0.95	0.81	0.72	.5	6	13	0	
1393	12-23	1333 1345	MIDDLETON				0.83	0.70	.6	11	0		
1394	12-29		U.S.G.S.	1.7	0.32	1.59	0.80	0.51	.5	10	-.04		
1395	1-13	1415 1425	MIDDLETON	2.4	1.11	0.69	0.81	0.92	.6	7	0		
1396	1-13		U.S.G.S.				0.82	0.97	.5	6	8	0	
1397	1-26		"				0.89	1.31	.6	9	0		
1398	1-27	1340 1358	MIDDLETON	2.5	1.08	1.02	0.89	1.23	.6	8	0		FC49
1399	2-9		U.S.G.S.	1.7	0.43	2.09	0.83	0.90	.5	5	0		
1400	2-10	1347 1403	MIDDLETON				0.82	0.94	.6	13	0		FC49
1401	2-17		U.S.G.S.	2.6	1.00	1.86	1.15	1.86	.5	6	12	0	
1402	2-24	1350 1406	MIDDLETON	5.3	4.00	2.55	1.52	10.3	.6	12	-.03		FC26
1403	3-2		U.S.G.S.	2.2	0.89	1.55	0.81	1.38	.6	10	0		
1404	3-10	1400 1420	MIDDLETON				0.80	1.31	.6	14	0		FC49
1405	3-15		U.S.G.S.	2.2	0.81	2.06	0.83	1.67	.5	6	10	0	
1406	3-24	1400 1415	MIDDLETON				0.82	1.23	.6	6	0		FC49
1407	3-28		U.S.G.S.	1.8	0.40	3.08	0.83	1.23	.5	7	0		
1408	4-13		"	1.6	0.34	3.35	0.79	1.14	.5	9	0		
1409	4-14	1352 1412	MIDDLETON				0.80	1.1	.6	16	0		FC49
1410	4-25		U.S.G.S.	2.5	1.00	0.99	0.80	0.99	.5	6	9	0	
1411	4-28	1330 1350	MIDDLETON				0.79	0.81	.6	14	0		FC49
1412	5-9		U.S.G.S.	2.5	1.01	1.10	0.83	1.11	.5	6	9	0	
1413	5-12	1338 1358	MIDDLETON				0.80	1.5	.6	14	0		
1414	5-23		U.S.G.S.	2.0	0.70	1.77	0.82	1.24	.5	6	10	0	
1415	5-26	1338 1358	MIDDLETON				0.82	1.2	.6	16	0		
1416	6-3		U.S.G.S.	1.5	0.30	3.20	0.80	0.96	.5	8	0		
1417	6-9	1350 1407	MIDDLETON				0.77	0.88	.6	15	0		FC49
1418	6-17		U.S.G.S.	1.5	0.26	2.77	0.78	0.72	.5	8	0		
1419	6-22	0840 0845	STUNDEN	1.4	0.26	2.38	0.77	0.62	.5	6	0		FC50
1420	6-29		U.S.G.S.	1.7	0.33	2.48	0.78	0.62	.5	9	0		
1421	7-7	1325 1340	MIDDLETON				0.75	0.77	.6	11	0		FC49
1422	7-11		U.S.G.S.	1.5	0.26	2.35	0.76	0.61	.5	8	0		
1423	7-21	1303 1320	MIDDLETON				0.72	0.58	.5	11	0		FC49
1424	7-22		U.S.G.S.	1.4	0.25	2.24	0.73	0.56	.5	8	0		
1425	8-4	1315 1323	SADDORIS	1.3	0.19	2.00	0.72	0.38	.6	6	0		FC49
1426	8-12		U.S.G.S.	1.9	0.43	1.02	0.71	0.44	.5	10	0		
1426A	8-18	1348 1400	MIDDLETON				0.72	0.48					FC49
1427	8-31		U.S.G.S.	1.4	0.21	1.76	0.73	0.37	.5	8	0		
1428	9-1	1300 1307	MIDDLETON	2.0	0.61	0.75	0.72	0.46	.6	10	0		
1429	9-15	1112 1122	"	2.2	0.65	0.86	0.82	0.56	.6	9	0		
1430	9-16		U.S.G.S.	1.4	0.24	1.58	0.75	0.38	.5	8	0		
1431	9-27		"	1.4	0.25	1.56	0.76	0.39	.5	8	0		
1431A	9-29	1050 1058	MIDDLETON	1.5	0.24	1.62	0.76	0.39	.6	8	0		FC49

16074M Cs 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. U16-R

Daily discharge, in second-feet of SAN ANTONIO CREEK below Edison Company Power Plant for the year ending September 30, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.2	0.3	0.4	0.4	5.0	1.5	4.2	1.2	1.1	0.9	0.5	0.5
2	0.2	0.3	0.4	0.4	3.0	1.5	4.0	1.0	0.9	0.5	0.5	0.5
3	0.2	0.3	0.4	0.4	3.0	1.4	3.8	1.0	1.1	0.9	0.5	0.5
4	0.2	0.4	0.4	0.4	3.0	1.4	3.7	9.6	1.1	0.9	0.5	0.5
5	0.2	0.4	0.4	0.4	3.0	1.4	3.8	9.6	1.0	0.9	0.5	0.5
6	0.2	0.5	0.4	0.4	2.0	1.3	4.0	7.2	1.0	0.9	0.5	0.5
7	0.2	0.5	0.4	0.4	2.0	1.3	4.0	6.4	0.8	0.9	0.5	0.4
8	0.2	0.5	0.3	0.5	2.0	1.3	3.8	5.6	0.7	0.9	0.5	0.5
9	0.2	0.5	0.3	0.5	2.0	1.3	3.7	5.4	0.7	0.9	0.5	0.5
10	0.2	0.5	0.3	0.5	1.8	1.3	4.8	4.6	1.0	0.9	0.5	0.4
11	0.2	0.4	0.3	0.5	1.8	1.3	8.3	3.8	1.0	0.8	0.5	0.4
12	0.2	0.3	0.3	0.5	1.8	1.3	9.4	3.4	1.0	0.7	0.5	0.4
13	0.2	0.3	0.3	0.5	1.2	1.3	10	3.0	1.0	0.7	0.5	0.4
14	0.3	0.5	0.3	0.5	1.2	1.2	12	2.0	1.0	0.7	0.5	0.4
15	0.3	0.4	0.3	0.5	4.8	1.3	1.4	2.0	1.0	0.7	0.5	0.4
16	0.3	0.4	0.3	0.5	4.1	2.3	1.5	1.6	1.0	0.7	0.5	0.4
17	0.3	0.4	0.3	0.5	3.0	2.1	1.5	1.7	1.0	0.7	0.5	0.4
18	0.3	0.4	0.3	0.7	2.7	1.8	1.8	1.5	1.0	0.7	0.5	0.4
19	0.3	0.3	0.3	1.6	2.2	1.7	1.8	1.5	1.0	0.7	0.5	0.4
20	0.3	0.3	0.4	4.9	2.0	2.4	2.0	1.6	0.8	0.7	0.5	0.4
21	0.3	0.3	0.4	2.0	1.9	2.1	2.2	1.6	0.7	0.7	0.5	0.4
22	0.3	0.3	0.4	1.7	1.9	3.1	2.0	1.5	0.7	0.7	0.5	0.4
23	0.3	0.4	0.3	1.7	1.7	3.8	2.1	1.5	0.7	0.7	0.5	0.4
24	0.3	0.4	0.3	5.9	1.7	3.8	2.2	1.4	0.7	0.7	0.5	0.4
25	0.3	0.4	0.3	2.8	1.6	3.7	2.2	1.4	0.8	0.7	0.5	0.4
26	0.3	0.4	0.3	1.0	1.5	3.1	1.8	1.4	0.8	0.7	0.5	0.4
27	0.3	0.4	0.3	8.0	1.5	2.8	1.7	1.3	0.9	0.7	0.5	0.4
28	0.3	0.4	0.4	8.0	1.5	3.0	1.7	1.3	0.9	0.7	0.5	0.4
29	0.3	0.4	0.4	5.0	3.2	3.2	1.5	1.3	0.9	0.6	0.5	0.4
30	0.3	0.4	0.4	5.0	5.4	5.4	1.3	1.2	0.9	0.6	0.5	0.4
31	0.3	0.4	0.4	5.0	4.0	4.0	1.1	1.1	0.5	0.5	0.5	0.4
	7.8	11.7	10.7	109.7	86.5	68.4	366.5	113.9	27.4	23.4	15.5	12.8

MEAN	0.25	0.39	0.35	3.54	3.09	2.21	12.2	3.67	0.91	0.75	0.50	0.43
ACRE- FEET	15.	23.	21.	218.	172.	136.	727.	226.	54.	46.	31.	25.
Remarks:												
	YEAR MEAN 2.34											
	OR PERIOD ACRE-FEET 1690.											

16074M Cs 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. \_\_\_\_\_

Daily discharge, in second-feet of SAN ANTONIO CREEK and SOUTHERN CALIFORNIA EDISON COMPANY'S CONDUIT for the year ending September 30, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	6.5	6.0	3.2	6.1	14	18	25	33	23	16	12	10
2	6.5	6.0	0.4	6.1	12	20	25	36	23	16	12	10
3	6.5	6.0	0.4	6.1	14	19	26	36	23	16	12	10
4	6.5	6.1	0.4	6.1	15	19	26	35	23	15	12	10
5	6.5	6.1	0.4	6.1	15	19	26	33	23	15	12	10
6	6.5	6.2	0.4	6.1	13	19	26	33	19	15	12	10
7	6.5	6.2	0.4	6.1	13	18	28	32	21	15	12	10
8	6.5	6.2	0.3	6.2	14	18	29	32	21	15	12	10
9	6.5	6.2	0.3	6.2	14	18	29	31	21	15	12	10
10	6.5	6.2	0.3	6.2	14	18	31	31	21	15	12	10
11	6.5	6.1	0.3	6.2	15	18	34	30	21	15	12	10
12	6.5	6.0	0.3	6.2	13	18	36	29	20	15	12	9.9
13	6.5	6.0	0.3	6.2	24	17	36	29	20	15	12	10
14	6.5	6.8	0.3	6.2	24	17	38	28	20	15	12	10
15	6.6	6.1	0.3	6.2	19	17	36	28	20	15	12	10
16	6.6	6.1	0.3	6.2	20	19	41	28	20	15	12	9.7
17	6.6	6.1	0.3	6.2	20	18	41	28	19	15	12	9.7
18	6.6	6.1	0.3	7.0	19	18	44	26	19	14	12	9.7
19	6.6	6.0	0.3	25	18	18	44	26	19	14	12	9.7
20	6.6	6.0	0.4	13	18	20	46	27	18	14	12	9.4
21	6.6	6.0	0.4	10	19	20	48	27	18	14	12	9.4
22	6.6	6.0	0.4	10	19	22	46	26	17	14	12	9.4
23	6.9	6.1	3.1	19.3	19	23	47	26	17	14	12	9.4
24	6.5	6.1	6.0	16	19	23	48	25	17	14	12	9.4
25	6.3	6.1	6.0	4.1	19	23	48	24	17	14	12	9.4
26	6.3	6.1	6.0	23	18	22	44	24	17	14	12	9.1
27	6.3	6.1	6.0	20	18	22	43	24	17	14	12	9.1
28	6.3	6.1	6.1	19	18	22	43	23	17	14	12	9.1
29	6.2	6.1	6.1	15	15	23	41	23	17	14	10	9.1
30	6.2	6.1	6.1	15	14	26	39	23	16	13	10	9.1
31	6.0	6.1	6.1	14	14	25	22	22	12	12	10	10
	201.0	183.3	61.9	342.0	477	617	1114	883	584	451	366	290.6

MEAN	6.48	6.11	2.00	11.0	17.0	19.9	37.1	28.5	19.5	14.5	11.8	9.69
ACRE- FEET	399.	364.	123.	678.	946.	1220.	2210.	1750.	1660.	895.	726.	576.
Remarks:												
	YEAR MEAN 15.3											
	OR PERIOD ACRE-FEET 11050.											

FD-704 C-12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. U15-R

Daily discharge, in second-feet of SAN ANTONIO CREEK below Edison Company Power Plant Diversion for the year ending September 30, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.5	0.6	0.7	1.4	1.1	9.4	1.4	1.5	1.0	0.9	0.3	0.5
2	0.5	0.6	0.7	1.2	1.0	1.4	1.4	1.4	1.0	0.9	0.3	0.5
3	0.5	0.6	1.4	1.1	1.0	1.5	1.4	1.3	1.0	0.9	0.3	0.5
4	0.5	0.5	1.1	1.0	0.9	1.5	1.4	1.3	1.0	0.9	0.4	0.4
5	0.5	0.5	0.9	1.0	0.7	1.5	1.4	1.3	1.0	0.9	0.4	0.3
6	0.5	0.5	0.7	0.9	0.7	1.5	1.3	1.2	0.9	0.9	0.4	0.3
7	0.5	0.5	0.7	0.9	0.8	1.5	1.2	1.3	0.9	0.8	0.5	0.3
8	0.5	0.6	0.7	0.9	0.9	1.5	1.2	1.2	1.0	0.7	0.4	0.3
9	0.5	0.6	0.9	0.9	1.0	1.5	1.2	1.1	1.0	0.7	0.4	0.3
10	0.5	0.6	1.1	1.0	1.0	1.5	1.1	1.2	1.0	0.6	0.4	0.3
11	0.5	2.5	0.9	1.0	1.0	1.6	1.1	1.5	1.0	0.5	0.4	0.4
12	0.5	0.9	0.7	1.0	1.0	1.6	1.0	1.6	0.9	0.5	0.5	0.4
13	0.5	0.7	0.7	1.0	1.1	1.7	1.2	1.6	0.9	0.5	0.5	0.4
14	0.5	0.6	0.7	1.0	1.1	1.7	1.1	1.5	0.9	0.5	0.5	0.4
15	0.5	0.6	0.7	1.0	1.1	1.7	1.1	1.6	1.0	0.5	0.5	0.4
16	0.6	0.7	0.7	1.3	1.3	1.7	1.1	1.4	0.8	0.5	0.5	0.4
17	0.7	0.7	0.7	1.1	2.0	1.7	1.1	1.4	0.7	0.5	0.5	0.4
18	0.7	0.7	0.7	1.3	2.1	1.6	1.1	1.2	0.7	0.5	0.5	0.4
19	0.7	0.7	0.7	1.2	1.8	1.6	1.0	1.2	0.7	0.6	0.4	0.4
20	0.7	0.7	0.7	1.1	1.5	1.6	1.0	1.1	0.7	0.6	0.4	0.4
21	0.8	0.7	0.7	1.1	1.2	1.5	1.0	1.1	0.7	0.6	0.4	0.4
22	0.7	0.7	0.7	1.1	1.1	1.4	1.0	1.2	0.6	0.5	0.4	0.4
23	0.7	0.7	0.7	1.1	1.1	1.2	1.0	1.2	0.6	0.5	0.4	0.4
24	0.7	0.7	0.7	1.1	6.6	1.2	1.0	1.3	0.7	0.5	0.4	0.4
25	0.6	0.7	0.7	1.2	1.3	1.2	1.0	1.2	0.8	0.5	0.4	0.4
26	0.6	0.7	0.6	1.3	1.4	1.2	1.0	1.2	0.8	0.5	0.4	0.4
27	0.5	0.7	0.6	1.3	1.4	1.2	0.9	1.2	0.9	0.5	0.4	0.4
28	0.5	0.6	0.5	1.3	1.1	1.3	0.8	1.2	0.9	0.5	0.3	0.4
29	0.5	0.5	0.5	1.3		1.3	0.7	1.0	0.9	0.4	0.4	0.4
30	0.5	0.7	0.5	1.3		1.4	1.5	1.0	0.8	0.4	0.4	0.4
31	0.5		0.5	1.2		1.4		1.0		0.4	0.3	
	17.5	21.1	22.8	34.6	85.1	53.6	33.7	39.6	25.8	18.7	12.7	11.7
MEAN	0.56	0.70	0.74	1.12	3.04	1.73	1.12	1.28	0.86	0.60	0.41	0.39
ACRE- FEET	35.	42.	45.	69.	169.	106.	67.	79.	51.	37.	25.	23.
Remarks:										YEAR OR PERIOD	MEAN ACRE-FEET	1.03 748.

FD-704 C-12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. U15-R

Daily discharge, in second-feet of SAN ANTONIO CREEK and Southern California Edison Company's Conduit for the year ending September 30, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	9.2	8.5	9.2	11	9.9	1.6	1.6	1.8	1.7	1.4	1.0	8.5
2	9.1	8.5	9.3	10	9.8	1.5	1.7	1.6	1.7	1.4	9.8	8.5
3	9.1	8.5	11	9.7	9.8	1.6	1.7	1.5	1.6	1.3	9.8	8.5
4	9.1	8.4	10	9.7	9.8	1.6	1.7	1.6	1.6	1.3	10	8.1
5	9.2	8.4	10	9.5	9.7	1.6	1.7	1.5	1.6	1.3	9.9	8.0
6	9.1	8.4	9.6	9.6	9.7	1.6	1.6	1.6	1.7	1.3	9.9	7.7
7	9.1	8.4	9.7	9.6	9.9	1.6	1.6	1.6	1.7	1.3	10	7.7
8	9.2	8.5	9.7	9.3	10	1.6	1.6	1.6	1.5	1.3	9.6	7.7
9	9.2	8.5	10	9.4	10	1.6	1.6	1.6	1.6	1.3	9.6	7.7
10	9.2	8.5	10	9.9	10	1.8	1.6	1.6	1.6	1.3	9.6	7.7
11	9.2	11	9.5	9.6	10	1.8	1.6	1.6	1.5	1.2	9.6	7.8
12	9.1	9.5	9.4	9.6	10	1.7	1.6	1.7	1.5	1.2	9.7	7.8
13	9.1	8.9	9.4	9.7	10	1.7	1.6	1.7	1.5	1.2	9.7	7.8
14	8.9	8.9	9.1	9.7	10	1.7	1.6	1.6	1.4	1.2	9.7	7.8
15	8.9	8.9	9.1	9.4	10	1.7	1.6	1.7	1.4	1.2	9.4	7.8
16	9.0	9.0	9.1	10	10	1.7	1.5	1.6	1.5	1.2	9.4	8.1
17	9.1	8.8	9.1	9.9	11	1.7	1.5	1.6	1.5	1.2	9.4	8.1
18	9.1	8.9	9.1	10	11	1.7	1.5	1.6	1.5	1.2	9.4	8.1
19	9.1	8.9	9.2	9.9	11	1.7	1.5	1.6	1.5	1.2	9.3	7.8
20	9.1	9.0	9.2	9.8	12	1.7	1.5	1.6	1.4	1.2	9.4	7.8
21	9.2	9.0	9.2	9.7	12	1.6	1.5	1.6	1.4	1.2	9.1	7.8
22	9.0	9.0	9.2	9.9	12	1.6	1.6	1.7	1.4	1.2	9.1	7.8
23	9.0	9.0	9.2	10	12	1.6	1.5	1.7	1.4	1.0	9.1	7.8
24	9.0	9.0	9.2	10	12	1.6	1.5	1.7	1.4	1.0	9.1	7.7
25	8.9	9.0	9.2	10	13	1.6	1.5	1.7	1.4	1.0	9.0	7.7
26	8.5	9.1	9.1	10	14	1.6	1.5	1.7	1.4	1.0	9.1	7.7
27	8.4	9.4	9.1	10	18	1.6	1.4	1.7	1.4	1.0	8.8	7.8
28	8.4	9.2	9.0	10	18	1.6	1.4	1.7	1.4	1.0	8.7	7.8
29	8.4	9.5	9.0	10	10	1.6	1.4	1.7	1.4	1.0	8.8	7.8
30	8.4	9.5	9.0	10	10	1.6	1.8	1.7	1.4	1.0	8.4	7.8
31	8.4		9.0	11		1.6		1.7		1.0	8.3	
	277.7	268.1	290.9	305.9	314.6	508.0	470.0	509.0	450.0	366.0	290.7	236.7
MEAN	8.96	8.94	9.36	9.67	11.2	16.4	15.7	16.4	15.0	11.8	9.36	7.69
ACRE- FEET	551.	532.	577.	607.	624.	1010.	932.	1010.	893.	726.	577.	469.
Remarks:										YEAR OR PERIOD	MEAN ACRE-FEET	11.7 8510.



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, 2081.66 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. RECORDER WAS MOVED TO TEMPORARY LOCATION 500 FEET UPSTREAM DURING CONSTRUCTION OF SAN ANTONIO DAM OUTLET WORKS, FROM MAY 7, 1952 TO FEBRUARY 9, 1953. REINSTALLED AT ORIGINAL LOCATION FROM FEBRUARY 9, 1953 TO MAY 24, 1954. STATION REMOVED DUE TO SAN ANTONIO DAM CONSTRUCTION FROM MAY 24, 1954 TO DECEMBER 10, 1954. REINSTALLED AT TEMPORARY LOCATION DOWNSTREAM 150 FEET FROM DECEMBER 10, 1954 TO MARCH 31, 1955. NO RECORD FROM MARCH 31, 1955 TO SEPTEMBER 30, 1955 DUE TO SAN ANTONIO DAM CONSTRUCTION.

REGULATION: NONE.

DIVERSIONS: THERE ARE DIVERSIONS FOR IRRIGATION AND POWER DEVELOPMENT.

RECORDS AVAILABLE: FEBRUARY 20, 1931 TO SEPTEMBER 30, 1955.

EXTREMES OF DISCHARGE:

1953-54  
MAXIMUM ESTIMATED 2650 SECOND-FEET JANUARY 25.  
MINIMUM NO FLOW FOR MOST OF YEAR.

1954-55  
MAXIMUM 21 SECOND-FEET JANUARY 18.  
MINIMUM NO FLOW FOR MOST OF YEAR.

1930-55  
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, 1954

NO.	DATE	BSHM 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	W. HT. CHARGE TOTAL	METER NO.
582	1-19	1005 1018	WHISLER-RASMUSSEN				8.50	62.2	.5	16		FC-5
583	1-19	1408 1417	" "				8.59	50.3	.5	14	+0.2	"
584	1-20	1100 1107	" "	17.0	4.15	7.32		30.4	.5	7		"
585	1-22	1225 1228	MIDDLETON-WHISLER	4.0	0.42	2.62	8.29	1.1	.5	5	0	FC26
586	1-24	1008 1012	MIDDLETON-RASMUSSEN	2.2	0.23	2.65	7.20	0.61	.5	5	0	"
587	1-14	1520 1528	WHISLER-RASMUSSEN	24.5	7.95	6.86	8.42	54.5	.5	12	+0.4	FC5
588	1-24	1725 1733	" "	27.0	7.85	8.45	8.49	66.3	.5	10	+0.06	"
589	1-24	2115 2121	" "	24.0	8.32	8.40	8.51	69.9	.5	10	+0.02	"
590	1-25	0800 0809	" "					114.1	.5	21		"
591	1-25	1205 1222	MOON					46.3	.5	13		FC29
592	1-26	1500 1506	MIDDLETON-WHISLER	5.0	0.84	6.31		5.3	.5	6		FC26
593	2-13	1700 1708	WHISLER-RASMUSSEN					107.	.5	13		FC5
594	2-13	2110 2125	" "	46.0	16.0	8.25		132.	.5	15		"
595	2-15	1410 1422	MIDDLETON	11.0	2.24	5.45		12.2	.5	12		FC26
596	2-16	0824 0830	" "	4.0	0.72	4.03		2.9	.5	5		"
597	3-16	2225 2232	MIDDLETON-RASMUSSEN	10.0	2.42	3.60	9.20	8.7	.6	11	0	"
598	3-20	0830 0845	MIDDLETON	11.0	3.11	4.51	9.09	14.0	.6	12	+0.2	"
599	3-20	1915 1925	MIDDLETON-CANAVAN	11.0	2.32	5.21		12.2	.6	10		"
600	3-22	1424 1430	MIDDLETON	2.1	0.41	3.66		1.5	.6	5		"
601	3-25	1342 1353	" "				9.10	8.2	.5	17	0	"
602	4-1	1434 1450	" "	10.4	3.52	2.98		10.5	.6	11		"
603	4-8	1545 1615	" "	17.2	6.96	2.61	8.20	18.2	.6	19		"
604	4-14	1350 1415	" "	14.5	8.28	4.24	7.99	35.1	.6	16	0	"

DISCHARGE MEASUREMENTS OF SAN ANTONIO CREEK  
AT NEAR Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1955

NO.	DATE	BSHM 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	W. HT. CHARGE TOTAL	METER NO.
610	12-10	1457 1505	MIDDLETON	2.6	0.50	0.90		0.45	.6	77	0	FC26
611	12-14	1616 1624	" "	2.4	0.58	1.47	0.67	0.85	.6	7	0	"
612	1-10	0832 0836	MIDDLETON-WHISLER	6.6	1.81	1.71	0.95	3.1	.6	8	0	"
613	1-16	1149 1151	" "	6.0	1.30	1.15	0.83	1.5	.6	7	0	"
614	1-18	1644 1649	MIDDLETON-RASMUSSEN	9.0	2.60	3.12	1.02	8.1	.6	8	0	"
615	2-27	1342 1353	MIDDLETON-BARR	9.4	3.83	3.26	1.15	12.5	.6	12	0	"
616	2-28	0806 0814	MIDDLETON	4.4	1.55	1.29	0.96	2.0	.6	9	0	"

14074M Gb 12-53

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, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	1.0	8.0	0	0	0	0
2	0	0	0	0	0	0	1.0	7.8	0	0	0	0
3	0	0	0	0	0	0	1.0	7.6	0	0	0	0
4	0	0	0	0	0	0	1.0	7.3	0	0	0	0
5	0	0	0	0	0	0	1.0	7.1	0	0	0	0
6	0	0	0	0	0	+	1.8	6.3	0	0	0	0
7	0	0	0	0	0	+	1.8	5.4	0	0	0	0
8	0	0	0	0	0	+	3.5	4.5	0	0	0	0
9	0	0	0	0	0	+	3.5	3.6	0	0	0	0
10	0	0	0	0	0	+	3.5	2.7	0	0	0	0
11	0	0	0	0	0	+	3.5	1.8	0	0	0	0
12	0	0	0	0	5.6	+	3.5	1.6	0	0	0	0
13	0	0	0	0	4.5	+	3.5	1.4	0	0	0	0
14	0	0	0	0	1.2	+	3.5	1.1	0	0	0	0
15	0	0	0	0	0	+	3.5	0.9	0	0	0	0
16	0	0	0	0	2.9	1.0	3.6	0.7	0	0	0	0
17	0	0	0	0	0.2	3.4	3.7	0.5	0	0	0	0
18	0	0	0	0	+	0	3.8	0.2	0	0	0	0
19	0	0	0	31.7	+	0	3.8	0	0	0	0	0
20	0	0	0	1.9	+	1.2	3.8	0	0	0	0	0
21	0	0	0	b 1.5	0	2.3	3.9	0	0	0	0	0
22	0	0	0	1.1	0	3.3	3.7	0	0	0	0	0
23	0	0	0	b 0.2	0	0	3.7	0	0	0	0	0
24	0	0	0	1.23	0	0.8	3.7	0	0	0	0	0
25	0	0	0	4.82	0	8.7	3.7	0	0	0	0	0
26	0	0	0	5.3	0	8.0	2.4	0	0	0	0	0
27	0	0	0	b 2.6	0	8.0	2.4	0	0	0	0	0
28	0	0	0	+	0	8.0	2.4	0	0	0	0	0
29	0	0	0	0	0	8.0	2.4	0	0	0	0	0
30	0	0	0	0	0	2.5	2.4	0	0	0	0	0
31	0	0	0	0	0	1.0	2.4	0	0	0	0	0
	0	0	0	951.7	116.1	98.5	84.3	75.4	0	0	0	0

MEAN	0	0	0	30.7	4.15	3.18	28.1	2.43	0	0	0	0
ACRE- FEET	0	0	0	1890.	2.30	195.	1670.	150.	0	0	0	0

Remarks: + = 0.05 cfs or less  
YEAR OR PERIOD MEAN ACRE-FEET 5.71 4140.

14074M Gb 12-53

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, 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1				+	0	+						
2				0.2	0	0						
3				0	0	0						
4				0	0	0						
5				0	0	0						
6				0.1	0	0						
7				0.1	0	0						
8				0	0	0						
9				0	0	0						
10				2.0	0	0						
11				0.4	0	0						
12				0.5	0	0						
13				0.6	0	0						
14				0.7	0	0						
15				0.8	0	0						
16				0.6	0	0						
17				2.4	0	0						
18				0.2	0	0						
19				4.3	0	0						
20				1.8	0	0						
21				0	0	0						
22				0	0	0						
23				0	0	0						
24				0	0	0						
25				0	0.1	0						
26				0	1.1	0						
27				0	5.7	0						
28				0	4.3	0						
29				0	0	0						
30				0	0	0						
31				0	0	0						

MEAN			4.2	10.5	10.2	0.4						
ACRE- FEET			6.3	21.	20.	0.8						

Remarks: + = 0.05 CFS OR LESS  
YEAR OR PERIOD MEAN ACRE-FEET INC. INC.

STATION F303-R  
SAN DIMAS CREEK below San Dimas Dam

LOCATION: WATER-STAGE RECORDER LAT. 34°09'08", LONG. 117°46' 22", ON THE LEFT (EAST) BANK OF SAN DIMAS CREEK, 350 FEET BELOW SAN DIMAS DAM. ELEVATION OF ZERO GAGE HEIGHT 1325.0 FEET.

DRAINAGE AREA: 16.2 SQUARE MILES.

CHANNEL AND CONTROL: NATURAL CHANNEL. A CONCRETE CONTROL INSTALLED BELOW STATION TO KEEP LOW FLOW AT LEFT BANK.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM CABLE CAR 25 FEET ABOVE STATION.

RECORDER: INSTALLED DECEMBER 24, 1951 OVER A 36-INCH DIAMETER CONCRETE STILLING WELL. AN AU CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1953 TO SEPTEMBER 30, 1955.

REGULATION: FLOW REGULATED BY SAN DIMAS DAM AND PARTIALLY BY OLD WATER TUNNEL 150 FEET ABOVE STATION.

RECORDS AVAILABLE: DECEMBER 24, 1951 TO SEPTEMBER 30, 1955.

EXTREMES OF DISCHARGE:

1953-54

MAXIMUM 156 SECOND-FEET JANUARY 25.  
MINIMUM PLUS FLOW AT VARIOUS TIMES.

1954-55

MAXIMUM 175 SECOND-FEET NOVEMBER 16.  
MINIMUM LESS THAN 0.05 SECOND-FOOT AT VARIOUS TIMES.

1951-55

MAXIMUM 262 SECOND FEET MARCH 16, 1952.  
MINIMUM LESS THAN 0.1 SECOND FOOT AT TIMES.

ACCURACY: GOOD.

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

DISCHARGE MEASUREMENTS OF SAN DIMAS CREEK  
below San Dimas Dam DURING THE YEAR ENDING SEPTEMBER 30, 1954

NO.	DATE	RESID. END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. IND.	METH. DP.	MEAN SEC. NO.	S. CHANGE TOTAL	METER NO.	NO.	DATE	RESID. END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. IND.	METH. DP.	MEAN SEC. NO.	S. CHANGE TOTAL	METER NO.
108	10-1	1200 1205	STUNDEN	2.0	0.18	0.89	0.35	0.16	.5	6	0	FC50	131	3-24	1110 1128	MIDDLETON	12.2	7.51	1.34	0.75	10.1	.6	13	0	FC26		
109	10-8	1410 1420	"	1.2	0.25	0.52	0.29	0.13	.5	5	0	"	132	3-25	1016 1038	"	12.6	7.29	1.32	0.74	9.6	.6	13	0	"		
110	10-14	1144 1148	STUNDEN-MIDDLETON	1.2	0.20	0.60	0.30	0.12	.5	5	0	"	133	3-30	0944 0958	MIDDLETON-ATKINS	12.8	9.36	1.53	0.84	14.3	.6	8	0	"		
111	10-22	1009 1011	MIDDLETON	0.7	0.04	0.50	0.21	0.02	.5	4	0	FC53	134	4-1	1100 1120	MIDDLETON	13.4	9.50	1.50	0.86	14.2	.6	14	0	"		
112	10-29	1054 1056	"	0.6	0.02	1.00	0.17	0.02	.5	3	0	FC49	135	4-8	1300 1305	"	1.2	0.16	0.75	0.16	0.12	.6	5	0	FC49		
113	11-5	1009 1011	"	0.8	0.04	0.25	0.17	0.01	.6	3	0	"	136	4-15	1110 1115	"	1.2	0.19	0.58	0.16	0.11	.5	4	0	FC26		
114	11-12	0929 0931	"	0.8	0.05	0.40		0.02	.5	4		"	137	4-22	1400 1410	"	3.8	1.91	1.05	0.45	2.0	.6	8	0	"		
115	1-22	0938 0939	MIDDLETON	0.8	0.06	0.50	0.34	0.03	.5	3	0	FC26	138	4-29	1010 1022	"	4.1	1.93	1.09	0.46	2.1	.6	9	0	"		
116	1-25	0323 0345	WHISLER-RASMUSSEN	27.6	14.3	2.89	1.30	41.3	.6	12	0	FC5	139	5-5	1300 1312	"	5.0	2.53	1.38	0.55	3.5	.6	9	0	"		
117	1-25	0900 0905	"	13.5	12.1	2.38	1.11	28.9	.6	11	+03	"	140	5-13	1026 1038	"	4.2	2.32	1.42	0.54	3.3	.6	9	0	"		
118	1-25	1420 1424	MOON	28.0	24.7	2.97	1.35	73.4	.6	16	0	FC29	141	5-20	0952 1005	"	4.6	2.36	1.40	0.56	3.3	.6	10	0	"		
119	1-26	0915 0928	MIDDLETON-WHISLER	27.0	21.6	2.68	1.34	57.8	.6	13	0	"	142	5-27	1033 1043	"	4.1	2.27	1.45	0.57	3.3	.6	9	0	"		
120	1-27	0934 0947	"	24.0	15.6	1.80	1.07	28.1	.6	13	0	"	143	6-3	1042 1052	"	3.5	2.07	1.40	0.56	2.9	.6	8	0	"		
121	2-4	1125 1129	MIDDLETON	2.4	0.50	0.30	0.21	0.15	.5	6	0	FC49	144	6-10	1100 1112	"	3.6	2.03	1.28	0.55	2.6	.6	8	0	"		
122	2-10	1024 1028	"	1.4	0.18	0.61	0.20	0.11	.6	5	0	"	145	6-17	1044 1058	"	5.0	2.97	1.35	0.63	4.0	.6	10	0	"		
123	2-14	0915 0928	WHISLER-RASMUSSEN	27.0	20.9	3.08	1.36	64.6	.6	16	0	FC5	146	6-24	1042 1056	"	5.0	3.06	1.24	0.63	3.8	.6	11	0	"		
124	2-14	1025 1047	"	33.5	29.4	2.99	1.52	88.0	.6	17	0	FC5	147	7-1	1030 1048	"	5.0	2.90	1.24	0.62	3.6	.6	11	0	"		
125	2-15	0918 0924	MIDDLETON	5.5	2.23	1.17	0.54	2.6	.6	7	-06	FC26	148	7-8	1025 1038	"	5.0	2.97	1.18	0.61	3.5	.6	11	0	"		
126	2-17	1114 1116	"	0.6	0.10	1.20	0.14	0.12	.5	3	0	"	149	7-15	1050 1104	"	5.0	2.77	1.23	0.60	3.4	.6	10	0	"		
127	2-25	1232 1240	"	1.8	0.38	0.29	0.14	0.11	.6	6	0	FC49	150	7-23	1353 1405	WHISLER	5.0	2.87	1.22	0.60	3.5	.6	11	0	FC5		
128	3-4	1300	"	1.1	0.13	0.62	0.14	0.08	.6	6	0	"	151	7-29	1152 1153	MIDDLETON-WHISLER	5.0	2.77	1.19	0.59	3.3	.6	11	0	FC49		
129	3-11	1008 1012	"	0.9	0.13	0.85	0.14	0.11	.6	4	0	"	152	8-5	1335 1345	WHISLER	4.6	2.90	1.08	0.56	2.7	.6	10	0	"		
130	3-18	1001 1005	"	1.2	0.19	0.53	0.14	0.10	.6	4	0	FC26	153	8-12	0945 1000	"	6.0	3.74	1.34	0.72	5.0	.6	13	0	FC26		

DISCHARGE MEASUREMENTS OF SAN DIMAS CREEK

below San Dimas Dam DURING THE YEAR ENDING SEPTEMBER 30, 1955

NO.	DATE	SEIN NO.	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	DAY MTH	METH. NO.	MEAN DISCH. TOTAL	MT. DIAMETER TOTAL	METER NO.
154	11-18	1034 1036	MIDDLETON	0.6	0.06	0.50	0.05	0.03	.6	4	0	FC49	
155	12-28	1518 1520	"	0.6	0.06	0.50	0.05	0.03	.6	4	0	"	
156	1-5	1404 1408	"	0.8	0.11	0.45	0.06	0.05	.6	5	0	"	
157	1-27	1124 1130	"	2.5	0.41	0.22	0.11	0.09	.6	6	0	"	
158	2-3	1107 1112	"	2.5	0.38	0.21	0.10	0.08	.6	6	0	"	
159	2-10	1443 1450	"	1.8	0.36	0.28	0.11	0.10	.6	7	0	"	
160	2-17	1410 1416	"	2.1	0.40	0.30	0.12	0.12	.6	5	0	"	
161	2-24	1112 1118	"	1.6	0.31	0.55	0.13	0.17	.6	6	0	"	
162	3-2	0852 0900	"	1.6	0.35	0.40	0.14	0.14	.6	8	0	"	
163	3-10	1138 1139	"	0.8	0.14	0.71	0.14	0.10	.6	5	0	"	
164	3-17	1137 1142	"	1.0	0.18	0.94	0.16	0.17	.6	5	0	"	
165	3-24	1626 1630	"	0.9	0.14	0.93	0.16	0.13	.6	4	0	"	
166	3-31	1012 1025	"	10.3	5.09	0.57	0.59	2.9	.6	11	0	FC26	
167	4-7	1138 1148	"	10.5	5.80	0.47	0.58	2.7	.6	11	0	FC47	
168	4-14	1020 1030	"	3.5	1.58	1.01	0.51	1.6	.6	8	0	"	
169	4-20	1118 1128	MIDDLETON-ROYSTON	4.0	1.27	1.18	0.40	1.5	.6	9	0	FC54	
170	4-28	1107 1115	MIDDLETON	4.0	1.28	1.17	0.40	1.5	.6	8	0	"	
171	5-5	1130 1137	MIDDLETON-ROYSTON	2.8	0.36	0.25	0.13	0.09	.6	7	0	FC49	
172	5-12	1012 1018	"	3.0	0.36	0.25	0.13	0.09	.6	7	0	"	
173	5-19	1034 1052	"	TWO CHANNELS		0.61	4.0		.6	14	0	FC54	
174	5-26	0855 1013	"	6.0	2.79	1.91	0.69	5.2	.6	12	0	"	
175	6-2	1108 1122	"	5.5	2.64	1.86	0.65	4.9	.6	11	0	"	
176	6-9	1048 1100	"	5.0	2.45	1.76	0.62	4.3	.6	11	0	"	
177	6-16	1055 1105	STUNDEN-ROYSTON	4.0	2.73	1.42	0.61	3.9	.5	9	0	FC36	
178	6-23	1100 1110	STUNDEN	4.5	3.11	1.58	0.68	4.9	.5	10	0	"	
179	6-30	1045 1048	MIDDLETON	0.6	0.07	0.71	0.13	0.05	.6	4	0	FC49	
180	7-7	0853 0858	"	0.4	0.04	0.25	0.09	0.01	.6	3	0	"	
181	7-14	1300 1302	"	0.4	0.02	0.50	0.03	0.01	.6	3	0	"	

78774M C b 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. FA02-R

Daily discharge, in second-feet of SAN DIMAS CREEK below San Dimas Dam for the year ending September 30, 1951

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.2	+	0	+	0.1	0.1	14.2	2.1	2.9	3.6	3.2	+
2	0.1	+	0	+	0.1	0.1	14.2	2.0	2.9	3.6	3.0	
3	0.1		0		0.1	0.1	14.2	2.0	2.9	3.6	3.0	
4	0.1		+		0.1	0.1	14.2	2.8	2.8	3.6	2.8	
5	0.1				0.1	0.1	5.3	3.5	2.7	3.5	3.2	
6	0.1				0.1	0.1	0.1	3.5	2.7	3.5	4.0	
7	0.1				0.1	0.1	0.1	3.5	2.7	3.5	4.0	
8	0.1				0.1	0.1	0.1	3.3	2.6	3.5	5.0	
9	0.1				0.1	0.1	0.1	3.3	2.6	3.5	5.7	
10	0.1				0.1	0.1	0.1	3.3	2.6	3.5	5.4	
11	0.1				0.1	0.1	0.1	3.3	2.6	3.5	5.4	
12	0.1				0.1	0.1	0.1	3.3	2.6	3.5	5.0	
13	0.1				0.6	0.1	0.1	3.3	2.6	3.5	5.0	
14	0.1				6.1	0.1	0.1	3.3	2.6	3.5	5.0	
15	0.1				3.2	0.1	0.1	3.3	2.6	3.5	4.7	
16	+				0.1	0.1	0.1	3.3	4.0	3.5	4.7	
17					0.1	0.1	0.1	3.3	4.0	3.5	2.7	
18					0.1	0.1	0.1	3.3	4.0	3.5	+	
19					0.3	0.1	0.1	3.3	4.0	3.5	+	
20					0.1	0.2	0.1	3.3	3.9	3.5		
21					0.1	0.1	1.2	3.3	3.9	3.5		
22					0.1	0.1	2.0	3.3	3.7	3.5		
23					0.1	0.1	2.0	3.3	3.7	3.5		
24					0.1	0.1	2.0	3.3	3.7	3.5		
25					4.3	0.1	2.0	3.3	3.7	3.5		
26					4.6	0.1	9.0	2.1	3.3	3.7		
27					2.8	0.1	9.0	2.1	3.3	3.6		
28					19.0	0.1	9.6	2.1	3.3	3.6		
29					0.2	0.1	9.6	2.1	3.3	3.6		
30					0.2		12.6	2.1	3.2	3.6		
31					0.2		14.9	3.0	3.2	3.2		
	1.6	+	+	137.1	96.1	32.7	83.3	98.2	97.4	108.2	71.3	+

MEAN	0.05	+	+	4.42	3.43	2.67	2.78	3.17	3.25	3.49	2.30	+
ACRE- FEET	3.2	+	+	272.	191.	164.	165.	195.	193.	215.	141.	+

Remarks: + = 0.05 cfs or less

YEAR OR PERIOD MEAN ACRES-FEET 2.13 1540.

16014M Cb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F303-R

Daily discharge, in second-feet of SAN DIMAS CREEK below San Dimas Dam for the year ending September 30, 1956

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+			+	0.1	0.1	2.9	0.6	5.0		+	+
2		+		0.1	0.1	0.1	2.9	0.1	5.0			
3				+	0.1	0.1	2.9	0.1	5.0			
4		a		+	0.1	0.1	2.8	0.1	4.7			
5				+	0.1	0.1	2.8	0.1	4.7			
6				0.1	0.1	0.1	2.7	0.1	4.7			
7				0.1	0.1	0.1	2.7	0.1	4.3			
8		a		+	0.1	0.1	2.7	0.1	4.3			
9				+	0.1	0.1	2.3	0.1	4.3			
10		+		0.2	0.1	0.1	1.6	0.1	4.3			
11		0.1		0.1	0.1	0.2	1.6	0.1	4.2			
12		+		+	0.1	0.1	1.6	0.1	4.0			
13					0.1	0.1	1.6	0.9	4.3			
14					0.1	0.2	1.6	3.0	4.3			
15		+		+	0.1	0.2	1.6	3.0	4.2			
16		3.6		0.3	0.1	0.2	1.6	3.0	3.9			
17		+		0.2	0.1	0.2	1.6	3.5	3.2			
18	a			0.2	0.1	0.2	1.6	4.2	2.8			
19				0.2	0.1	0.2	1.6	4.0	4.6			
20				0.1	0.2	0.2	1.5	4.8	5.1			
21				0.1	0.2	0.1	1.5	5.4	5.0			
22	a			0.1	a 0.2	0.1	1.5	5.0	5.0			
23				0.1	a 0.2	0.1	1.5	5.0	5.0			
24				0.1	a 0.2	0.1	1.5	4.9	4.3			
25				0.1	0.2	0.1	1.5	5.0	4.3			
26				0.1	0.2	0.1	1.5	5.4	4.3			
27				0.1	0.2	0.1	1.5	5.4	2.9			
28				0.1	0.1	1.0	1.5	5.0	0.5			
29	a			0.1		2.3	1.5	5.0	0.2			
30				0.1		2.7	1.5	5.0	0.1			
31	+		+	0.1		2.9		5.0		+		+
	+		+		3.6		57.2		120.2		+	+
		3.7		2.7		12.4		64.2			+	+

MEAN	+	0.12	+	0.09	0.13	0.40	1.91	2.72	4.01	+	+	+
ACRE-FOOT	+	7.3	+	5.4	7.1	25.	113.	167.	238.	+	+	+

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.78  
ACRE-FOOT 563.

STATION U 10-R  
SAN DIMAS CREEK at Mouth of Canyon

LOCATION: WATER-STAGE RECORDER AND BROAD-CRESTED WEIR CONTROL, LAT. 34°06'45", LONG. 117°46'35", IN SW 1/4 NE 1/4 SEC. 25, T.1N., R5W., 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 1245 FEET.

DRAINAGE AREA: 16.3 SQUARE MILES.

RECORDS AVAILABLE: APRIL TO SEPTEMBER 1916. (DISCHARGE MEASUREMENTS ONLY.)  
DECEMBER 1916 TO SEPTEMBER 1955.

AVERAGE DISCHARGE: 38 YEARS (1917-55) 5.48 SECOND-FOOT.

EXTREMES OF DISCHARGE:

1953-54  
MAXIMUM DISCHARGE 161 SECOND-FOOT JANUARY 25, GAGE HEIGHT 3.37 FEET.  
MINIMUM NO FLOW AT TIMES DURING SEVERAL MONTHS.

1954-55  
MAXIMUM DISCHARGE 15 SECOND-FOOT NOVEMBER 16, GAGE HEIGHT 2.01 FEET.  
MINIMUM DAILY DISCHARGE - NO FLOW AT TIMES DURING SEVERAL MONTHS

1916-55  
MAXIMUM DISCHARGE (REVISED) 5000 SECOND-FOOT MARCH 2, 1936, FROM RECORDS OF RELEASE AT SAN DIMAS FLOOD CONTROL DAM AND COMPUTED INFLOW BETWEEN DAM AND GAGING STATION.  
MINIMUM NO FLOW DURING PARTS OF MANY YEARS.

REMARKS: RECORDS GOOD. FLOW REGULATED BY SAN DIMAS DAM ABOVE STATION, SAN DIMAS WATER COMPANY DIVERTS WATER JUST BELOW GAGE FOR IRRIGATION.

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



FORM CA 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. UIO-R

Daily discharge, in second-feet of SAN DIMAS CREEK at Mouth of Canyon, for the year ending September 30, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.2	0	0	0	0.4	0.6	1.5	2.5	3.3	3.6	2.7	0
2	0.2	0	0	0	0.4	0.6	1.5	2.5	3.3	3.7	2.6	0
3	0.1	0	0	0	0.3	0.6	1.5	2.5	3.2	3.8	2.8	0
4	0.1	0	0.1	0	0.3	0.5	1.5	2.5	3.1	3.8	2.7	0.1
5	0.1	0.1	0	0	0.2	0.5	1.5	2.5	3.1	3.8	2.7	0.1
6	0.1	0.1	0	0	0.2	0.5	1.5	2.5	3.1	3.7	2.5	0.1
7	0.1	0.1	0	0	0.2	0.4	1.5	2.5	3.1	3.7	2.8	0
8	0.1	0	0.1	0	0.2	0.3	1.5	2.5	3.1	3.4	4.7	0
9	0.1	0	0	0	0.2	0.3	1.5	2.5	3.1	3.3	5.0	0
10	0.1	0	0	0	0.2	0.2	1.5	2.5	3.1	3.2	5.0	0
11	0.1	0	0	0	0.1	0.2	1.5	2.5	3.1	3.1	4.8	0
12	0.1	0	0.1	0.1	0.1	0.2	1.5	2.5	3.1	3.1	4.7	0
13	0.1	0	0	0.1	0.3	0.2	1.5	2.5	3.1	3.2	4.7	0
14	0.1	0	0	0	7.0	0.2	1.5	2.5	3.1	3.1	4.7	0
15	0.1	0	0.1	0	3.9	0.2	1.5	2.5	3.1	3.2	4.7	0
16	0.1	0	0.1	0	1.0	0.3	1.5	2.5	3.1	3.2	4.7	0
17	0.1	0	0.1	0	0.7	0.4	1.5	2.5	3.1	3.2	4.4	0
18	0.1	0	0.1	0.1	0.7	0.3	1.5	2.5	3.1	3.2	4.3	0
19	0.1	0	0.1	0.1	0.6	0.3	1.5	2.5	3.1	3.2	4.2	0
20	0.1	0	0.1	0	0.7	0.3	1.5	2.5	3.1	3.2	4.2	0
21	0.1	0	0.1	0.2	0.7	0.2	1.5	2.5	3.1	3.2	4.2	0
22	0.1	0	0.1	0.2	0.6	1.0	1.6	3.6	3.6	3.4	0.2	0
23	0.1	0	0.1	0.1	0.5	0.8	1.7	3.6	3.7	3.2	0.2	0
24	0.1	0	0	2.4	0.5	5.9	1.7	3.4	3.8	3.1	0.2	0
25	0.1	0	0	5.7	0.5	1.0	1.8	3.4	3.8	3.0	0.1	0
26	0	0	0	5.1	0.5	9.5	1.8	3.4	3.7	2.8	0.1	0
27	0	0	0	2.6	0.5	9.1	1.8	3.6	3.8	2.8	0.1	0
28	0	0	0	1.7	0.5	9.0	1.8	3.6	3.7	2.7	0	0
29	0	0	0	0.7	0.3	3.0	2.0	3.6	3.5	2.6	0	0
30	0	0	0	0.6	0.5	1.3	2.4	3.4	3.5	2.6	0	0
31	0	0	0	0.5	0.5	1.5	2.4	3.4	3.6	2.6	0	0
	2.7	0.3	1.3	156.8	123.2	90.8	90.2	106.4	99.5	100.7	70.7	0.3

MEAN	0.09	0.01	0.04	5.06	4.40	2.93	3.01	3.43	3.32	3.25	2.28	0.01
ACRE-FOOT	5.4	0.6	2.6	311.	244.	180.	179.	211.	197.	200.	140.	0.6
Remarks:	YEAR OR PERIOD MEAN ACRE-FOOT 2.31 1670.											

FORM CA 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. UIO-R

Daily discharge, in second-feet of SAN DIMAS CREEK at Mouth of Canyon, for the year ending September 30, 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0.1	0.1	0.2	3.3	1.0	5.1	0.2	0	0
2	0	0	0	0.2	0.1	0.1	3.4	0.1	5.1	0.1	0	0
3	0	0	0	0.1	0.1	0.1	3.3	0.1	5.0	0.1	0	0
4	0	0	0	0.1	0.1	0.1	3.1	0.1	4.9	0.1	0	0
5	0	0	0	0.1	0.1	0.1	3.0	0.1	4.9	0.1	0	0
6	0	0	0	0.1	0.2	0.1	2.6	0.1	4.5	0.1	0	0
7	0.1	0	0	0.1	0.2	0.2	2.6	0.1	4.3	0.1	0	0
8	0	0	0	0.1	0.2	0.2	2.4	0.1	4.2	0.1	0	0
9	0	0	0.1	0.1	0.2	0.2	2.1	0.1	4.3	0.1	0	0
10	0	0	0.1	0.1	0.2	0.3	1.3	0.1	4.3	0.1	0	0
11	0	1.0	0	0.1	0.2	0.2	1.3	0.1	4.2	0.1	0	0
12	0	0.2	0	0.1	0.2	0.2	1.5	0.1	4.2	0.1	0	0
13	0	0.1	0	0.1	0.2	0.2	1.6	0.7	4.3	0	0	0
14	0	0.1	0	0.1	0.1	0.1	1.7	3.3	4.2	0	0	0
15	0	0.1	0	0.1	0.1	0.1	1.6	3.6	4.1	0	0	0
16	0	0.5	0	0.1	0.1	0.1	1.7	3.7	3.9	0	0	0
17	0	0.1	0	0.1	0.2	0.1	1.6	3.9	3.6	0	0	0
18	0	0.1	0	0.4	0.2	0.1	1.6	4.1	3.1	0	0	0
19	0	0	0	0.4	0.2	0.1	1.6	4.2	4.8	0	0	0
20	0	0	0	0.2	0.2	0.2	1.7	4.6	6.0	0	0	0
21	0	0	0	0.2	0.2	0.2	1.6	5.5	6.0	0	0	0
22	0	0	0	0.1	0.3	0.2	1.7	5.5	5.5	0	0	0
23	0	0	0	0.1	0.3	0.2	1.6	5.7	5.1	0	0	0
24	0	0	0	0.2	0.3	0.2	1.7	5.8	4.5	0	0	0
25	0	0	0	0.2	0.2	0.2	1.7	5.6	4.7	0	0	0
26	0	0	0	0.2	0.2	0.2	1.7	6.0	4.6	0	0	0
27	0	0	0.5	0.2	0.2	0.2	1.7	5.8	3.1	0	0	0
28	0	0	0.3	0.1	0.2	0.2	1.7	5.5	0.2	0	0	0
29	0	0	0.3	0.1	0.2	2.3	1.7	4.8	0	0	0	0
30	0	0	0.2	0.1	0.2	3.3	2.0	4.8	0.3	0	0	0
31	0	0	0.1	0.1	0.2	3.4	2.0	5.0	0	0	0	0
	0.1	2.2	1.6	4.4	5.1	14.0	60.3	90.6	124.1	1.3	0	0

MEAN	0.003	0.07	0.05	0.14	0.18	0.45	2.01	2.92	4.14	0.04	0	0
ACRE-FOOT	0.2	4.4	3.2	8.7	10	28	120	180	246	2.6	0	0
Remarks:	YEAR OR PERIOD MEAN ACRE-FOOT 0.83 603.											

STATION F218-R  
SAN DIMAS WASH  
below Puddingstone Diversion Dam

LOCATION: WATER-STAGE RECORDER, LAT. 34°07'52", 117°46'58", ON SAN DIMAS TYPE FLUME ABOUT 75 FEET WEST OF THE SOUTHERLY END OF PUDDINGSTONE DIVERSION DAM ABOUT 3.0 MILES NORTHWEST OF LA VERNE. ELEVATION OF ZERO GAGE HEIGHT, 1126.86 FEET.

DRAINAGE AREA: 18.8 SQUARE MILES. 16.2 SQUARE MILES CONTROLLED BY SAN DIMAS DAM AND 2.6 SQUARE MILES CONTROLLED BY PUDDINGSTONE DIVERSION DAM.

CHANNEL AND CONTROL: CHANNEL - SAND AND GRAVEL, CONTROL - 3 FT. X 3 FT. SAN DIMAS TYPE FLUME.

DISCHARGE MEASUREMENTS: LOW AND HIGH FLOWS MEASURED BY WADING.

RECORDER: INSTALLED NOVEMBER 28, 1945 OVER A 2 FT. X 4 FT. CONCRETE STILLING WELL. A STEVENS TYPE "L" RECORDER WAS IN SERVICE FROM OCTOBER 1, 1953 TO SEPTEMBER 30, 1955.

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 BELOW SAN DIMAS DAM FOR IRRIGATION.

RECORDS AVAILABLE: NOVEMBER 28, 1945 TO SEPTEMBER 30, 1955. SOME STREAM MEASUREMENTS FOR EARLIER YEARS ARE AVAILABLE.

EXTREMES OF DISCHARGE:

1953-54  
MAXIMUM 12 SECOND-FEET FEBRUARY 14, 15.  
MINIMUM NO FLOW MOST OF YEAR.  
1954-55  
NO FLOW FOR ENTIRE YEAR.  
1945-55  
MAXIMUM 42 SECOND-FEET APRIL 4, 1946.  
MINIMUM NO FLOW MOST OF EACH YEAR.

ACCURACY: EXCELLENT

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

DISCHARGE MEASUREMENTS OF SAN DIMAS WASH  
below Puddingstone Diversion Dam DURING THE YEAR ENDING SEPTEMBER 30, 1954

NO.	DATE	SECH. NO.	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REG. FT.	RAT. INS.	METH. USED	WEAR. REC. NO.	D. HT. CHANGE TOTAL	METER NO.
56	1-26	0840 0852	MIDDLETON-WHISLER	6.0	7.79	1.22	0.61	9.5		-6	13	0	FC26
57	3-30	1019 1033	MIDDLETON-ATKINS	7.0	4.59	1.72	0.42	7.9		-6	12	0	"
58	4-1	1010 1022	MIDDLETON-SONNICHSON	6.0	6.12	1.04	0.42	6.4		-6	13	0	"

760703 Cb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F218-R

Daily discharge, in second-feet of SAN DIMAS WASH below Puddingstone Diversion Dam for the year ending September 30, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	6.4	0	0	0	0	0
2	0	0	0	0	0	0	6.4	0	0	0	0	0
3	0	0	0	0	0	0	6.7	0	0	0	0	0
4	0	0	0	0	0	0	6.7	0	0	0	0	0
5	0	0	0	0	0	0	6.9	0	0	0	0	0
6	0	0	0	0	0	0	5.2	0	0	0	0	0
7	0	0	0	0	0	0	5.4	0	0	0	0	0
8	0	0	0	0	0	0	0.2	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	3.9	0	0	0	0	0	0	0
15	0	0	0	0	12.2	0	0	0	0	0	0	0
16	0	0	0	0	9.8	0	0	0	0	0	0	0
17	0	0	0	0	1.3	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	6.5	0	0	0	0	0	0	0	0
27	0	0	0	10	0	0	0	0	0	0	0	0
28	0	0	0	10	0	0	0	0	0	0	0	0
29	0	0	0	8.9	0	0	0	0	0	0	0	0
30	0	0	0	3.7	0	5.6	0	0	0	0	0	0
31	0	0	0	0	0	5.2	0	0	0	0	0	0
	0	0	0	39.1	27.2	11.8	44.9	0	0	0	0	0

MEAN	0	0	0	1.26	0.97	0.38	1.50	0	0	0	0	0
ACRE- FEET	0	0	0	78.	54.	23.	89.	0	0	0	0	0

Remarks: YEAR OR PERIOD MEAN ACRES-FEET 0.34 244.





NO.	DATE	BEIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INB	METER NO.	HEAD SEC. NO.	2. HT. CHANGE TOTAL	METER NO.
2744	5-18	1028 1054	" "	36.6	60.0	0.98	4.04	58.6	.6	19	0	"	
2745	5-18	1206 1228	" "	35.2	50.9	0.91	3.87	46.2	.6	18	0	"	
2746	5-18	1332 1353	" "	33.9	48.4	0.84	3.76	40.4	.6	18	0	"	
2747	5-18	1500 1519	" "	31.6	43.7	0.72	3.64	31.5	.6	17	0	"	
2748	5-18	1603 1628	DE VORE	16.4	18.2	1.08	3.43	19.7	.6	16	+02	"	
2749	5-20	0957 1014	"	16.4	18.3	1.11	3.44	20.4	.6	15	0	"	
2750	5-26	0947 1004	"	15.2	13.8	1.07	3.32	14.7	.6	14	0	"	
2751	6-3	1013 1035	"	14.7	11.1	1.28	3.31	14.2	.6	15	0	"	
2752	6-10	0925 0945	"	14.8	11.6	1.19	3.30	13.8	.6	15	0	"	
2753	6-17	0922 0945	GODFREY	14.5	12.7	1.18	3.32	15.0	.6	15	0	FC28	
2754	6-17	1234 1244	"	14.5	12.2	1.08	3.28	13.2	.6	15	0	"	
2755	6-24	1220 1237	"	14.6	12.6	1.02	3.28	12.9	.6	15	0	"	
2756	7-1	0953 1012	DE VORE	14.9	11.3	1.16	3.27	13.1	.6	16	0	FC22	
2757	7-8	1150 1215	THOMAS	14.7	12.0	1.08	3.27	13.0	.6	13	0	FC51	
2758	7-15	1035 1052	DE VORE	14.7	11.7	1.08	3.26	12.6	.6	15	+01	FC22	
2759	7-15	1236 1255	"	14.9	12.2	1.12	3.27	13.7	.6	15	0	"	
2760	7-19	1107 1127	"	14.0	9.90	1.27	3.26	12.6	.6	15	0	"	
2761	7-22	0919 0938	"	14.5	10.3	1.22	3.26	12.6	.6	15	0	"	
2762	7-29	0914 0934	"	14.5	10.4	1.20	3.26	12.5	.6	16	0	"	
2763	8-5	0937 0958	"	14.6	10.4	1.19	3.26	12.4	.6	16	0	"	
2764	8-12	0924 0945	"	14.4	10.4	1.18	3.25	12.3	.6	16	0	"	
2765	8-16	1000 1009	"	12.4	4.45	0.54	2.82	2.4	.6	9	-05	"	
2766	8-16	1208	"	14.3	10.3	1.18	3.24	12.2	.6	16	0	"	
2767	8-19	0916 0935	"	14.3	10.3	1.19	3.25	12.3	.6	16	0	"	
2768	8-26	0946 1006	"	14.3	10.3	1.17	3.24	12.0	.6	16	0	"	
2769	9-2	0931 0951	"	14.2	10.1	1.19	3.24	12.0	.6	16	0	"	
2770	9-3	1000 1020	"	34.0	48.1	0.81	3.76	39.0	.6	17	0	"	
2771	9-8	0920 0943	"	33.8	48.1	0.81	3.74	38.8	.6	17	0	"	
2772	9-15	1237 1312	GODFREY	32.5	46.3	0.77	3.68	35.7	.6	17	0	FC28	
2773	9-23	1019 1057	"	32.5	42.8	0.69	3.64	29.4	.6	17	0	"	
2774	9-27	1304 1322	DE VORE	32.6	43.4	0.85	3.58	28.3	.6	14	+02	FC22	
2775	9-27	1350 1415	"	35.0	48.3	0.77	3.75	37.1	.6	17	+01	"	
2776	9-28	1300 1320	WINDER	36.0	51.1	0.74	3.76	37.9	.6	19	0	FC31	
2777	9-29	0955 1020	DE VORE	34.9	48.2	0.77	3.74	37.2	.6	18	0	FC22	
2778	9-30	0931 0954	"	34.0	47.7	0.78	3.73	37.0	.6	18	0	"	

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER - West Fork  
 at below Copswell Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 56.

NO.	DATE	BEIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INB	METER NO.	HEAD SEC. NO.	2. HT. CHANGE TOTAL	METER NO.
2791	12-2	1038 1044	"	1.7	0.33	0.52	2.57	0.17	.5	6	0	"	
2792	12-9	1026 1034	"	1.8	0.37	0.41	2.56	0.15	.5	7	0	"	
2793	12-16	1027 1034	"	1.8	0.40	0.40	2.56	0.16	.5	7	0	"	
2794	12-23	1021 1029	"	1.8	0.42	0.36	2.56	0.15	.5	7	0	"	
2795	12-30	1405 1406	GODFREY	1.5	0.31	0.48	2.57	0.15	.5	4	0	FC28	
2796	1-6	1057 1104	DE VORE	1.8	0.47	0.53	2.57	0.25	.5	7	0	FC22	
2797	1-13	1106 1112	"	1.8	0.57	0.44	2.57	0.25	.5	6	0	"	
2798	1-20	1106 1115	"	4.2	1.79	0.31	2.62	0.56	.5	8	0	"	
2799	1-27	1034 1043	"	4.2	1.68	0.23	2.60	0.38	.5	8	0	"	
2800	2-3	1047 1053	"	2.0	0.59	0.61	2.60	0.36	.5	6	0	"	
2801	2-10	1021 1029	"	1.8	0.40	0.82	2.61	0.33	.5	5	0	"	
2802	2-17	1350 1356	"	1.8	0.55	0.82	2.62	0.45	.5	5	0	"	
2803	2-24	1036 1046	"	4.3	1.77	0.28	2.61	0.50	.5	8	0	"	
2804	3-3	1020 1030	"	4.0	1.62	0.29	2.62	0.47	.5	8	0	"	
2805	3-10	1029 1039	"	4.3	1.71	0.31	2.62	0.53	.5	7	0	"	
2806	3-17	1027 1037	"	4.3	1.70	0.31	2.62	0.53	.5	8	0	"	
2807	3-24	1030 1039	"	4.2	1.65	0.29	2.62	0.48	.6	8	0	"	
2808	3-31	1235 1243	STUNDEN	3.5	1.48	0.27	2.62	0.40	.5	8	0	FC50H	
2809	4-7	1030 1039	DE VORE	4.1	1.63	0.29	2.62	0.47	.5	8	0	FC22	
2810	4-14	1255 1305	"	4.5	1.75	0.29	2.63	0.51	.5	9	0	"	
2811	4-15	1030 1041	DE VORE-LINDSAY	8.4	4.50	1.13	3.01	5.1	.6	10	0	"	
2812	4-21	1039 1039	DE VORE	8.5	4.80	1.02	3.01	4.9	.6	14	0	"	
2813	4-28	1054 1111	"	8.7	4.93	1.03	3.24	5.1	.6	15	0	"	
2814	5-5	1046 1106	"	9.0	5.06	1.05	3.02	5.3	.6	15	0	"	
2815	5-12	1044 1101	"	9.0	5.09	1.02	3.03	5.2	.6	15	0	"	
2816	5-19	1100 1118	"	9.0	5.11	1.06	3.03	5.4	.6	15	0	"	
2817	5-26	1090 1049	"	9.1	5.14	1.07	3.03	5.5	.6	15	0	"	
2818	6-1	1004 1022	"	9.8	6.37	1.33	3.15	8.5	.6	15	0	"	
2819	6-9	1104 1122	"	9.5	6.29	1.35	3.15	8.5	.6	15	0	"	
2820	6-16	1100 1117	DE VORE - SADDORIS	9.4	6.20	1.39	3.15	8.6	.6	15	0	"	
2821	6-23	1111 1133	DE VORE	9.7	6.31	1.32	3.15	8.3	.6	17	0	"	
2822	6-30	1029 1041	"	9.6	6.19	1.34	3.15	8.3	.6	17	0	"	
2823	7-7	1036 1056	"	9.7	6.12	1.36	3.14	8.3	.6	16	0	"	
2824	7-14	1220 1240	"	9.9	6.70	1.45	3.19	9.7	.6	16	+01	"	
2825	7-14	1415 1430	"	14.4	10.6	1.24	3.28	13.1	.6	15	+01	"	
2826	7-14	1530 1545	"	14.2	9.58	1.04	3.20	10.0	.6	15	0	"	
2827	7-21	1016 1035	GODFREY	11.0	7.31	1.44	3.20	10.5	.6	16	0	FC28	
2828	7-28	0957 1020	"	11.2	6.92	1.44	3.19	10.0	.6	16	0	"	
2829	8-4	1040 1056	DE VORE	11.0	6.94	1.47	3.19	10.2	.6	17	0	FC22	
2830	8-11	1243 1307	"	10.2	6.80	1.44	3.18	9.8	.6	17	0	"	
2831	8-18	1039 1101	"	10.6	7.14	1.53	3.20	10.9	.6	16	0	"	
2832	8-25	1053 1113	DE VORE-SERVICE	10.4	6.65	1.32	3.16	8.8	.6	16	0	"	
2833	8-26	0912 0932	DE VORE	10.3	7.02	1.44	3.20	10.1	.6	16	0	"	
2834	9-1	1024 1043	"	10.5	6.87	1.46	3.19	10.0	.6	16	0	"	
2835	9-11	1005 1035	WINDER-WINDER	11.0	7.07	1.41	3.19	10.0	.6	20	0	FC20	
2836	9-15	1330 1350	DE VORE	11.0	7.57	1.59	3.24	11.8	.6	16	0	FC22	
2837	9-22	1440 1501	"	11.1	7.51	1.53	3.24	11.5	.6	17	0	"	
2838	9-29	1116 1134	"	11.1	7.59	1.55	3.23	11.8	.6	16	0	"	

NO.	DATE	BEIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INB	METER NO.	HEAD SEC. NO.	2. HT. CHANGE TOTAL	METER NO.
2779	10-3	1310 1350	WINDER-WINDER	15.0	13.3	0.98	3.30	13.1	.6	16	0	FC6	
2780	10-3	1645 1705	"	15.5	14.3	1.06	3.35	15.2	.6	16	0	"	
2781	10-4	1120 1132	DE VORE	15.2	11.8	1.20	3.33	14.2	.6	11	0	FC22	
2782	10-5	1405 1425	WINDER-WINDER	15.0	14.3	1.32	3.40	18.9	.6	16	0	FC6	
2783	10-7	0943 0953	DE VORE	4.5	2.35	0.60	2.71	1.4	.6	9	0	FC22	
2784	10-14	0948 0956	"	4.3	2.21	0.43	2.68	0.96	.6	8	0	"	
2785	10-21	0924 0932	"	4.7	2.33	0.36	2.67	0.84	.6	8	0	"	
2786	10-28	1058 1107	"	4.4	2.30	0.36	2.66	0.83	.6	8	0	"	
2787	11-4	1030 1039	"	4.1	2.07	0.35	2.65	0.73	.6	8	0	"	
2788	11-10	1034 1044	"	3.6	1.51	0.52	2.65	0.78	.6	7	0	"	
2789	11-16	1034 1036	"	1.6	0.31	0.42	2.55	0.13	.5	5	0	"	
2790	11-24	0958 1003	"	1.8	0.34	0.44	2.56	0.15	.5	5	0	"	

FD-144 Cb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F209-R

Daily discharge, in second-feet of SAN GABRIEL RIVER - WEST FORK below Cogswell Dam for the year ending September 30, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.8	0.2	0.3	0.3	0.5	2.7	1.9	1.9	14.0	12.9	12.9	11.9
2	0.1	0.2	0.3	0.3	0.5	2.7	1.9	1.9	14.0	12.9	12.9	11.9
3	0.1	0.2	0.3	0.3	0.5	2.8	1.9	1.9	14.0	12.9	12.9	11.9
4	0.1	0.2	0.3	0.3	0.5	1.1	1.9	1.9	14.0	12.9	12.9	11.9
5	0.9	0.2	0.3	0.3	0.5	0.9	2.0	5.4	14.0	12.9	12.9	11.9
6	0.8	0.2	0.3	0.3	0.4	0.8	2.0	3.2	13.6	12.9	12.9	11.9
7	1.0	0.2	0.3	0.3	0.4	0.8	2.0	19.4	13.6	12.9	12.9	11.9
8	0.6	0.2	0.3	0.3	0.4	0.8	2.0	19.4	13.6	12.9	12.9	11.9
9	0.7	0.2	0.3	0.3	0.4	0.8	2.0	19.4	13.6	12.9	12.9	11.9
10	0.1	0.2	0.3	0.3	0.4	0.8	2.0	19.4	13.6	12.9	12.9	11.9
11	0.1	0.2	0.3	0.3	0.4	0.7	2.0	19.9	13.6	12.9	12.9	11.9
12	0.1	0.2	0.3	0.3	0.4	0.7	1.9	19.9	13.6	12.9	12.9	11.9
13	0.5	0.2	0.3	0.3	0.2	3.6	0.7	1.9	13.6	12.9	12.9	11.9
14	0.1	0.2	0.3	0.3	0.2	2.0	0.7	1.9	13.6	12.9	12.9	11.9
15	0.1	0.2	0.3	0.3	0.2	1.3	0.7	1.7	13.6	12.9	12.9	11.9
16	0.1	0.2	0.3	0.3	0.2	2.0	1.7	1.9	13.4	12.9	12.9	11.9
17	0.1	0.2	0.2	0.2	1.0	1.7	1.7	1.9	13.8	12.9	12.9	11.9
18	0.1	0.2	0.2	0.4	1.5	0.8	1.7	2.8	13.3	12.6	12.2	11.6
19	0.1	0.2	0.2	4.5	30.7	0.8	1.7	2.0	13.3	12.6	12.2	11.6
20	0.2	0.2	0.3	0.5	2.8	1.9	1.7	2.0	13.3	12.6	12.2	11.6
21	0.2	0.2	0.3	0.4	2.8	1.6	1.7	2.0	13.3	12.6	12.2	11.6
22	0.2	0.2	0.3	0.4	2.8	1.6	1.7	2.0	12.9	12.6	11.9	11.6
23	0.2	0.2	0.3	0.4	2.7	1.6	1.7	1.9	12.9	12.6	11.9	11.6
24	0.2	0.2	0.3	1.5	2.7	1.7	1.7	1.9	12.9	12.6	11.9	11.6
25	0.2	0.2	0.3	5.0	2.7	1.9	1.7	1.9	12.9	12.6	11.9	11.6
26	0.2	0.2	0.3	7.2	2.7	1.7	1.7	1.9	12.9	12.6	11.9	11.6
27	0.2	0.2	0.3	14.4	2.7	2.0	1.7	1.9	14.8	12.9	12.6	11.9
28	0.2	0.2	0.3	13.5	2.7	1.9	1.7	1.9	14.8	12.9	12.6	11.9
29	0.2	0.3	0.3	11.5		2.0	1.9	1.9	14.8	12.9	12.6	11.9
30	0.2	0.3	0.3	4.9		2.5	1.9	1.9	14.8	12.9	12.6	11.9
31	0.2		0.3	0.6		2.0		1.4	14.4	12.6	11.9	11.9
MEAN	0.29	0.22	0.28	17.1	11.2	5.03	1.83	18.2	13.4	12.8	12.1	33.0
ACRE- FEET	18.	13.	17.	1050.	619.	309.	109.	1120.	799.	785.	744.	1960.

Remarks: YEAR OR PERIOD MEAN OR PERIOD ACRE-FEET

YEAR OR PERIOD	MEAN	ACRE-FEET
	10.4	7540.

FD-144 Cb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F209-R

Daily discharge, in second-feet of SAN GABRIEL RIVER - WEST FORK below Cogswell Dam for the year ending September 30, 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3.6	0.7	0.2	0.4	0.4	0.5	0.4	6.0	7.4	8.2	10.2	9.9
2	3.3	0.7	0.2	0.3	0.4	0.4	0.4	5.8	8.5	8.2	10.2	9.9
3	18.6	0.7	0.4	0.2	0.4	0.4	0.4	5.6	8.5	8.2	10.2	9.9
4	12.1	0.7	0.2	0.2	0.3	0.4	0.4	5.6	8.5	8.2	10.2	9.9
5	4.5	0.7	0.2	0.2	0.3	0.4	0.4	5.3	8.5	8.2	10.2	9.9
6	1.6	0.7	0.2	0.3	0.3	0.5	0.4	5.3	8.5	8.2	10.2	9.9
7	1.4	0.7	0.1	0.3	0.4	0.5	0.4	5.6	8.5	8.2	10.2	9.9
8	1.2	0.8	0.1	0.2	0.4	0.6	0.5	5.3	8.5	8.2	9.9	9.9
9	1.0	0.8	0.2	0.2	0.3	0.6	0.5	5.3	8.5	8.2	9.9	9.9
10	1.0	0.6	0.2	0.6	0.3	0.6	0.5	5.3	8.5	8.2	9.9	9.9
11	0.9	1.2	0.2	0.3	0.3	0.7	0.4	5.1	8.5	8.2	9.9	9.9
12	0.9	0.2	0.2	0.3	0.4	0.6	0.4	5.1	8.5	8.2	9.9	9.9
13	0.9	0.1	0.2	0.2	0.4	0.6	0.4	5.1	8.5	8.2	9.9	9.9
14	0.9	0.1	0.2	0.2	0.4	0.6	2.3	5.1	8.5	8.5	9.6	9.9
15	0.9	0.1	0.2	0.2	0.4	0.6	5.1	5.1	8.5	9.9	6.5	9.2
16	0.9	0.1	0.2	0.4	0.5	0.6	5.1	5.3	8.5	10.2	7.4	11.6
17	0.8	0.1	0.2	0.3	0.5	0.6	5.1	5.3	8.5	10.2	10.9	11.6
18	0.8	0.1	0.2	1.0	0.4	0.6	5.1	5.3	8.5	10.2	10.9	11.6
19	0.8	0.1	0.2	0.7	0.4	0.6	4.9	5.3	8.5	10.2	10.9	11.6
20	0.8	0.1	0.1	0.6	0.5	0.5	4.9	5.3	8.2	10.5	10.5	11.6
21	0.8	0.1	0.1	0.6	0.5	0.5	4.9	5.3	8.0	10.5	10.2	11.6
22	0.8	0.1	0.1	0.5	0.4	0.5	5.3	5.3	8.0	10.5	10.2	11.6
23	0.8	0.1	0.1	0.4	0.5	0.5	5.3	5.3	8.0	10.5	10.2	11.6
24	0.8	0.1	0.1	0.4	0.5	0.5	5.1	5.6	8.0	10.5	9.9	11.9
25	0.8	0.1	0.1	0.4	0.5	0.5	5.1	5.6	8.0	9.9	9.4	11.9
26	0.8	0.1	0.1	0.4	0.6	0.5	5.1	5.6	8.2	9.9	10.2	11.9
27	0.8	0.1	0.1	0.4	0.8	0.4	5.1	5.6	8.2	9.9	10.2	11.9
28	0.8	0.1	0.1	0.4	0.6	0.4	5.1	5.6	8.0	9.9	10.2	11.9
29	0.8	0.2	0.1	0.4		0.4	5.1	5.6	8.0	9.9	9.9	11.9
30	0.8	0.2	0.1	0.4			6.5	5.6	8.0	9.9	9.9	11.9
31	0.8		0.1	0.4		0.4		5.6		9.9	9.9	9.9
MEAN	4.12	0.35	0.16	0.38	0.43	0.51	3.02	5.42	8.30	9.28	9.93	10.8
ACRE- FEET	254.	21.	9.9	23.	24.	32.	180.	334.	494.	570.	610.	642.

Remarks: YEAR OR PERIOD MEAN OR PERIOD ACRE-FEET

YEAR OR PERIOD	MEAN	ACRE-FEET
	4.41	3190.

STATION P 3-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, 1936, 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, 1953 TO SEPTEMBER 30, 1955.

REGULATION: FLOW PARTIALLY REGULATED BY COGSWELL DAM.

DIVERSIONS: NONE.

RECORDS AVAILABLE: DECEMBER 3, 1930 TO SEPTEMBER 30, 1955. 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, 1936 TO SEPTEMBER 27, 1936 ARE FROM STATION P3B-R, SAN GABRIEL RIVER - WEST FORK, 400 FEET BELOW NORTH FORK.

EXTREMES OF DISCHARGE:

1953-54  
MAXIMUM 953 SECOND-FEET JANUARY 25.  
MINIMUM 2.0 SECOND-FEET OCTOBER 6 AND 7.

1954-55  
MAXIMUM 165 SECOND-FEET APRIL 30.  
MINIMUM 3.6 SECOND-FEET OCTOBER 16, 17.

1930-55 (STATIONS P1-R, P3-R, P3B-R)  
MAXIMUM 34,000 SECOND-FEET, ESTIMATED MARCH 2, 1936.  
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 FORKS

above Forks

DURING THE YEAR ENDING SEPTEMBER 30, 19 54

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAT. INS.	METH. CO.	MEAN REC. NO.	R. CH. TOTAL	METER NO.
2734	10-2	1009 1019	GODFREY	8.2	5.03	0.62	6.84	3.1	.6	9	0	FC11	
2735	10-6	1016 1027	"	7.0	4.09	0.59	6.79	2.4	.6	9	+.02	FC28	
2736	10-8	1320 1345	"	6.2	3.69	0.60	6.76	2.2	.6	10	0	"	
2737	10-13	1329 1342	MIDDLETON	7.0	4.31	0.72	6.88	3.1	.6	9	0	FC26	
2738	10-15	1136 1148	"	6.6	4.13	0.80	6.89	3.3	.6	9	0	"	
2739	10-19	1414 1432	DE VORE	6.8	4.11	0.66	6.87	2.7	.6	14	0	FC18	
2740	10-22	1412 1433	"	6.7	4.19	0.64	6.88	2.7	.6	15	0	FC12	
2741	10-26	1358 1416	"	6.7	4.11	0.68	6.91	2.8	.6	14	0	"	
2742	10-29	1421 1437	"	6.6	4.13	0.73	6.91	3.0	.6	12	0	FC22	
2743	11-2	1304 1324	"	6.7	4.32	0.76	6.95	3.3	.6	13	0	"	
2744	11-5	1359 1415	"	6.5	4.56	0.94	6.99	4.3	.6	13	0	"	
2745	11-9	1509 1519	"	6.7	4.53	0.91	6.99	4.1	.6	12	0	"	
2746	11-12	1352 1405	DE VORE-LINDSAY	6.9	4.64	0.95	6.99	4.4	.6	12	0	"	
2747	11-14	1834 1850	DE VORE	13.0	9.89	1.08	7.23	10.7	.6	9	+.01	"	
2748	11-16	1049 1057	DE VORE-GODFREY	7.7	5.87	1.19	7.12	7.0	.6	15	0	"	
2749	11-19	1321 1341	DE VORE	7.7	5.46	1.04	6.93	5.7	.6	15	0	"	
2750	11-23	1115 1135	"	7.7	5.53	1.08	6.95	6.0	.6	15	0	"	
2751	11-25	1356 1415	"	7.7	5.47	1.04	6.94	5.7	.6	15	0	"	
2752	11-30	1430 1448	"	7.6	5.38	0.97	6.93	5.2	.6	15	0	"	
2753	12-3	1414 1432	"	7.7	5.47	1.00	6.93	5.5	.6	15	0	"	
2754	12-7	1340 1359	"	7.6	5.72	1.06	6.98	6.1	.6	15	0	"	
2755	12-10	1452 1510	"	7.6	5.70	1.09	6.98	6.2	.6	15	0	"	

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAT. INS.	METH. CO.	MEAN REC. NO.	R. CH. TOTAL	METER NO.
2756	12-14	1112 1132	"	7.6	5.73	1.06	6.98	6.1	.6	15	0	"	
2757	12-17	1519 1537	"	7.7	5.76	1.08	6.98	6.2	.6	15	0	"	
2758	12-21	1325 1343	DE VORE	7.6	5.74	1.06	6.99	6.1	.6	15	0	FC22	
2759	12-23	1524 1540	"	7.6	5.75	1.06	6.98	6.2	.6	15	0	"	
2760	12-28	1550 1608	"	7.6	5.77	1.02	6.96	5.9	.6	15	-.01	"	
2761	1-1	1638 1654	"	7.7	6.01	1.06	7.00	6.5	.6	15	0	"	
2762	1-4	1544 1600	"	7.7	5.99	1.09	7.02	6.5	.6	15	0	"	
2763	1-7	1351 1409	"	7.7	6.00	1.06	7.01	6.5	.6	15	0	"	
2764	1-11	1435 1451	"	7.7	5.99	1.09	7.01	6.5	.6	15	0	"	
2765	1-12	1706 1715	"	17.0	9.04	1.14	7.15	10.3	.6	11	+.01	"	
2766	1-14	1516 1534	"	9.4	7.37	1.17	7.06	6.6	.6	15	0	"	
2767	1-16	1514 1533	"	9.6	7.84	1.25	7.12	9.6	.6	15	0	"	
2768	1-19	0449 0510	GODFREY-LANPHEAR	43.0	60.6	2.69	8.74	163.	.6	14	+.18	FC26	
2769	1-19	1215 1237	"	43.0	57.7	2.67	8.62	154.	.6	17	-.04	FC18	
2770	1-19	2704 2704	"	59.5	135.	2.49	9.27	336.	.6	13	-.07	"	
2771	1-20	1025 1056	"	36.0	36.6	2.32	8.14	89.6	.6	17	-.02	FC28	
2772	9-30	1330 1347	E. K. DE VORE	24.5	21.0	1.90	7.67	40.0	.6	15	-.01	FC22	
2773	1-24	1805 1823	GODFREY-LANPHEAR	31.0	29.7	1.97	7.86	56.5	.6	14	+.06	FC26	
2774	1-25	1121 1136	"	65.5	154.	2.84	9.52	436.	.6	15	-.06	FC16	
2775	1-26	1033 1049	GODFREY	36.0	47.2	2.56	8.35	121.	.6	12	-.01	"	
2776	1-28	1327 1348	E. K. DE VORE	50.0	62.6	3.06	8.69	190.	.6	15	-.01	FC22	
2777	2-1	1434 1455	"	33.0	23.7	1.47	7.61	34.6	.6	17	0	"	
2778	2-4	1313 1331	"	24.0	19.1	1.38	7.51	26.3	.6	13	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	MEAN REC. NO.	Q. INT. CHANGE TOTAL	METER NO.
2779	2-8	1040 1104	"	21.2	16.2	1.24	7.42	20.1	-6	17	0	"	
2780	2-11	1431 1455	"	21.1	15.3	1.20	7.37	18.4	-6	18	0	"	
2781	2-13	1701 1725	GODFREY-COOPER	44.0	62.0	2.81	8.63	174.	-6	15	+24	FC28	
2782	2-13	2390 2322	GODFREY-COOPER	64.0	150.	2.81	9.44	422	-6	14	-02	FC18	
2783	2-14	1044 1057	"	43.0	53.7	2.74	8.52	147.	-6	16	0	FC28	
2784	2-16	1622 1645	DE VORE	35.2	32.8	1.98	7.95	64.9	-6	17	-01	FC22	
2785	2-18	1515 1536	"	34.0	29.0	1.80	7.82	52.1	-6	16	0	"	
2786	2-23	1312 1334	"	34.9	31.8	1.93	7.92	61.5	-6	16	+01	"	
2787	2-25	1431 1456	"	34.8	31.1	1.94	7.88	60.2	-6	18	0	"	
2788	3-1	1099 1119	"	32.5	29.6	1.80	7.84	53.3	-6	18	0	"	
2789	3-4	1410 1435	"	32.4	28.5	1.77	7.81	50.4	-6	18	0	"	
2790	3-8	1333 1353	"	17.9	15.2	1.30	7.41	19.8	-6	15	0	"	
2791	3-11	1405 1424	"	18.0	15.2	1.28	7.39	19.5	-6	15	0	"	
2792	3-15	1127 1150	"	18.1	14.8	1.23	7.37	18.2	-5	17	0	"	
2793	3-17	1128 1154	"	32.8	25.3	1.75	7.75	44.4	-5	19	+02	"	
2794	3-19	1328 1353	"	32.4	19.6	1.51	7.56	29.5	-5	19	+01	"	
2795	3-20	1033 1049	DE VORE-LANPHEAR	36.8	34.2	2.02	7.98	69.0	-6	15	+02	"	
2796	3-20	1524 1536	"	41.0	48.6	2.63	8.37	128.	-5	16	+03	"	
2797	3-20	2149 2203	"	42.0	52.7	2.84	8.52	150.	-6	15	-01	"	
2798	3-21	1091 1111	"	40.0	48.1	2.45	8.33	118.	-6	17	-02	"	
2799	3-22	1319 1345	DE VORE	39.2	43.2	2.26	8.19	97.9	-6	18	0	"	
2800	3-23	1525 1547	"	39.4	44.0	2.45	8.26	108.	-5	17	+01	"	
2801	3-25	1118 1140	"	38.8	42.9	2.40	8.22	103.	-5	17	0	"	
2802	3-29	1122 1143	"	38.0	38.0	2.09	8.07	79.3	-5	16	0	"	
2803	3-30	0205 0220	DE VORE-LANPHEAR	44.0	57.8	2.80	8.58	162.	-6	15	+03	"	
2804	3-30	0541 0558	"	52.0	68.3	2.96	8.76	202.	-5	16	+02	"	
2805	4-1	1449 1511	DE VORE	38.6	42.5	2.33	8.19	99.0	-5	17	0	FC22	
2806	4-5	1322 1345	"	37.6	40.9	2.19	8.15	89.7	-5	17	0	"	
2807	4-8	1326 1347	"	37.2	39.1	2.07	8.08	81.1	-5	16	+01	"	
2808	4-12	1310 1334	"	36.0	33.8	1.92	7.94	64.8	-5	16	0	"	
2809	4-13	1690 1710	"	34.6	31.9	1.80	7.88	57.3	-5	15	0	FC11	
2810	5-15	1035 1107	GODFREY	35.5	32.7	1.74	7.88	56.8	-6	18	0	FC28	
2811	4-19	0934 1004	"	34.0	29.0	1.51	7.78	43.9	-6	20	0	"	
2812	4-20	1100 1124	"	33.5	28.8	1.48	7.76	42.6	-6	17	0	"	
2813	4-22	1702 1724	DE VORE	32.6	25.0	1.48	7.66	37.0	-5	19	0	FC11	
2814	4-26	1333 1358	"	32.8	24.7	1.43	7.65	35.4	-5	18	0	"	
2815	4-29	0822 0852	DE VORE-CORDAY	32.6	24.4	1.49	7.65	36.3	-5	18	0	FC22	
2816	5-3	1004 1028	DE VORE	32.0	22.5	1.41	7.59	31.7	-5	17	0	"	
2817	5-6	1356 1415	"	37.4	37.6	2.13	8.06	80.0	-5	17	0	"	
2818	5-10	1059 1128	"	34.4	29.2	1.63	7.80	47.6	-5	19	0	"	
2819	5-13	1455 1520	"	32.6	27.5	1.58	7.73	43.6	-5	18	0	"	
2820	5-17	1348 1411	"	34.0	26.2	1.56	7.72	40.9	-5	18	0	"	
2821	5-20	1304 1323	"	34.0	25.6	1.54	7.70	39.5	-5	19	-01	"	
2822	5-24	1006 1031	"	34.1	25.8	1.53	7.69	39.5	-5	19	0	"	
2823	5-27	1055 1120	"	33.2	23.4	1.48	7.62	34.6	-5	19	0	"	
2824	6-1	1058 1123	"	33.2	22.1	1.39	7.59	30.8	-5	19	0	"	
2825	6-3	1402 1426	"	32.8	21.5	1.40	7.57	30.2	-5	19	-01	"	
2826	6-7	1542 1601	"	17.8	17.0	1.65	7.53	28.0	-6	15	0	"	
2827	6-10	1522 1540	"	18.2	17.3	1.64	7.54	28.4	-6	15	0	"	
2828	6-14	1051 1125	GODFREY	18.6	18.0	1.60	7.58	28.9	-6	20	-01	FC28	
2829	6-17	1433 1500	"	17.3	17.4	1.61	7.56	28.0	-6	17	0	"	
2830	6-21	1049 1111	DE VORE	18.1	16.0	1.52	7.48	24.4	-6	15	-01	FC22	
2831	6-24	1432 1492	GODFREY	18.2	15.6	1.37	7.44	21.3	-6	16	-01	FC28	
2832	6-28	1320 1341	DE VORE	18.2	15.5	1.50	7.46	23.2	-6	16	-01	FC22	
2833	7-1	1345 1403	DE VORE-THOMAS	18.1	14.6	1.40	7.42	20.5	-6	16	-01	"	
2834	7-8	1511 1536	THOMAS	17.4	13.7	1.33	7.36	18.2	-6	14	0	FC51	
2835	7-12	1104 1124	DE VORE	17.0	14.0	1.41	7.40	19.7	-6	15	-01	FC22	
2836	7-15	1434 1454	"	16.8	13.2	1.33	7.34	17.5	-6	15	-01	"	
2837	7-19	1428 1458	"	17.6	14.3	1.17	7.35	16.8	-5	15	0	"	
2838	7-22	1414 1434	"	17.9	14.4	1.17	7.37	16.8	-6	16	-01	"	
2839	7-26	1327 1351	"	17.4	14.2	1.23	7.38	17.4	-6	15	0	"	
2840	7-29	1210 1231	"	17.5	14.2	1.21	7.37	17.2	-6	16	0	"	
2841	8-2	1402 1420	"	17.6	14.4	1.12	7.37	16.1	-6	16	0	"	
2842	8-5	1342 1359	"	17.6	14.7	1.15	7.39	16.9	-6	16	0	"	
2843	8-9	1328 1355	GODFREY	17.7	14.2	1.04	7.36	14.8	-6	17	0	FC28	
2844	8-12	1395 1355	DE VORE	17.7	14.3	1.13	7.38	16.1	-6	16	0	FC22	
2845	8-16	1353 1413	"	17.7	13.9	1.06	7.36	14.7	-6	16	-01	"	
2846	8-19	1352 1410	"	17.7	14.0	1.09	7.36	15.2	-6	16	0	"	
2847	8-23	0959 1019	"	17.4	14.5	1.14	7.39	16.5	-6	16	0	"	
2848	8-26	1506 1526	"	17.2	14.0	1.10	7.37	15.4	-6	16	-01	"	
2849	8-30	1356 1443	"	14.6	12.6	1.20	7.35	15.1	-6	16	0	"	
2850	9-2	1300 1324	"	14.6	12.4	1.15	7.33	14.3	-6	16	0	"	
2851	9-8	1142 1210	"	23.6	25.0	1.60	7.74	39.9	-6	19	0	"	
2852	9-13	1135 1200	GODFREY	23.8	24.7	1.52	7.73	37.7	-5	16	0	FC28	
2853	9-16	1125 1150	"	23.7	25.2	1.50	7.70	38.6	-5	16	0	"	
2854	9-20	1125 1150	"	23.5	24.6	1.44	7.68	35.4	-5	18	0	"	
2855	9-28	1426 1450	"	23.2	23.8	1.35	7.65	32.2	-6	17	0	"	
2856	9-27	1555 1613	DE VORE	23.4	19.6	1.19	7.54	23.4	-6	19	+08	FC22	
2857	9-30	1404 1428	"	23.7	24.6	1.54	7.72	38.0	-6	19	0	"	

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER - WEST FORK  
above Forks DURING THE YEAR ENDING SEPTEMBER 30, 1955

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	MEAN REC. NO.	Q. INT. CHANGE TOTAL	METER NO.
2858	10-4	1443 1503	DE VORE	22.9	17.4	1.06	7.41	18.5	-6	17	0	FC22	
2859	10-7	1319 1338	"	10.9	7.02	0.80	6.99	5.6	-6	16	-01	"	
2860	10-11	1151 1213	"	10.5	6.58	0.72	6.96	4.7	-6	17	0	"	
2861	10-14	1472 1528	"	10.5	6.34	0.65	6.92	4.1	-6	16	0	"	
2862	10-18	1128 1147	"	10.4	6.39	0.66	6.93	4.2	-6	16	0	"	
2863	10-21	1242 1302	"	10.5	6.35	0.66	6.93	4.2	-6	16	0	"	
2864	10-25	1417 1435	"	9.3	6.23	0.76	6.98	4.7	-6	14	0	"	
2865	10-28	1653 1673	"	9.3	6.27	0.73	6.98	4.6	-6	16	-01	"	
2866	11-1	1525 1543	"	9.4	6.49	0.80	7.00	5.2	-6	15	0	"	
2867	11-4	1345 1403	"	9.5	6.69	0.84	7.03	5.6	-6	14	0	"	
2868	11-8	1413 1432	"	9.8	7.07	0.74	7.00	5.2	-6	15	-01	"	
2869	11-10	0901 0921	"	9.8	7.10	0.73	7.01	5.2	-6	16	0	"	
2870	11-11	0847 0857	DE VORE-LANPHEAR	38.0	41.0	1.76	8.14	72.3	-6				



FORM Cb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. P3-R

Daily discharge, in second-feet of SAN GABRIEL RIVER - WEST FORK above Forks for the year ending September 30, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.8	3.1	5.2	6.6	3.5	5.3	10.3	3.4	3.0	2.1	1.6	1.4
2	2.8	3.4	5.5	6.6	3.6	5.2	9.6	3.2	3.0	2.1	1.6	1.4
3	2.8	3.4	5.5	6.6	3.0	5.1	9.3	3.0	3.0	2.0	1.7	2.5
4	2.5	3.7	5.9	6.3	2.6	5.0	9.0	2.9	3.0	2.0	1.6	4.2
5	2.3	4.2	6.1	6.3	2.5	4.1	9.0	3.1	3.0	2.0	1.6	4.2
6	2.3	4.3	6.1	6.6	2.3	2.2	9.0	2.9	3.0	2.0	1.6	4.2
7	2.2	4.3	6.1	6.6	2.1	2.1	8.7	6.6	2.9	2.0	1.6	4.0
8	2.2	4.2	6.1	6.6	2.0	2.0	8.2	4.6	2.8	1.9	1.5	4.0
9	2.4	4.2	6.1	6.6	1.9	2.0	7.8	4.6	3.0	1.9	1.5	4.0
10	2.4	4.3	6.1	6.6	1.9	2.0	7.5	4.6	3.0	1.9	1.5	3.8
11	2.7	4.5	5.9	6.6	1.8	2.0	7.0	4.6	2.8	1.9	1.5	3.8
12	2.8	4.5	6.1	8.4	1.8	1.9	6.6	4.6	2.8	1.8	1.5	3.8
13	2.8	4.5	6.1	10.4	1.5	1.9	6.2	4.6	2.9	1.8	1.5	3.8
14	2.9	7.4	6.1	8.8	1.6	1.8	5.8	4.4	2.8	1.8	1.6	3.7
15	3.2	9.7	6.1	8.2	1.7	1.8	5.6	4.4	2.5	1.8	1.5	3.4
16	2.9	7.0	6.1	7.9	1.7	3.6	5.1	4.3	2.5	1.8	1.4	3.8
17	2.7	6.6	6.1	7.9	1.5	4.9	4.7	4.1	2.6	1.9	1.5	3.7
18	2.7	5.9	6.1	9.9	1.5	3.0	4.5	4.8	2.5	1.8	1.5	3.6
19	2.7	5.7	6.3	2.30	1.5	2.7	4.2	4.0	2.5	1.7	1.5	3.6
20	2.7	5.7	6.3	9.6	1.5	8.8	4.1	3.9	2.4	1.7	1.5	3.4
21	2.7	5.7	6.3	4.2	1.5	11.3	4.0	3.9	2.4	1.7	1.5	3.4
22	2.7	5.7	6.1	3.0	1.5	10.7	3.8	3.9	2.2	1.7	1.6	3.2
23	2.7	5.9	6.1	2.5	1.5	11.2	3.8	3.9	2.2	1.7	1.6	3.2
24	2.7	5.9	6.3	8.1	1.5	9.4	3.8	3.8	2.1	1.8	1.5	3.2
25	2.7	5.7	6.6	5.14	1.5	10.7	3.7	3.8	2.1	1.7	1.5	3.2
26	2.7	5.5	6.3	1.74	1.5	8.7	3.5	3.7	2.3	1.7	1.6	3.1
27	2.7	5.5	6.3	2.20	1.5	8.0	3.5	3.3	2.4	1.7	1.5	3.2
28	2.8	5.2	5.9	1.90	1.5	8.0	3.3	3.3	2.3	1.7	1.5	3.8
29	2.9	5.2	6.1	1.68	1.5	8.3	3.5	3.3	2.2	1.6	1.4	4.0
30	3.1	5.2	6.3	1.11	1.5	14.5	3.4	3.2	2.1	1.6	1.5	3.9
31	3.1		6.6	4.0	1.5	10.7		3.0		1.6	1.4	
83.6                      156.1                      188.8                      2054.1                      1500                      1789                      1790                      1267                      783                      564                      475                      1045												
MEAN	2.70	5.20	6.09	66.3	53.6	57.7	59.7	40.9	26.1	16.2	15.3	34.8
ACRE-FOOT	166.	310.	374.	4070.	2980.	3550.	3550.	2510.	1550.	1120.	942.	2070.
Remarks:	YEAR OR PERIOD MEAN ACRES-FOOT 23190.											

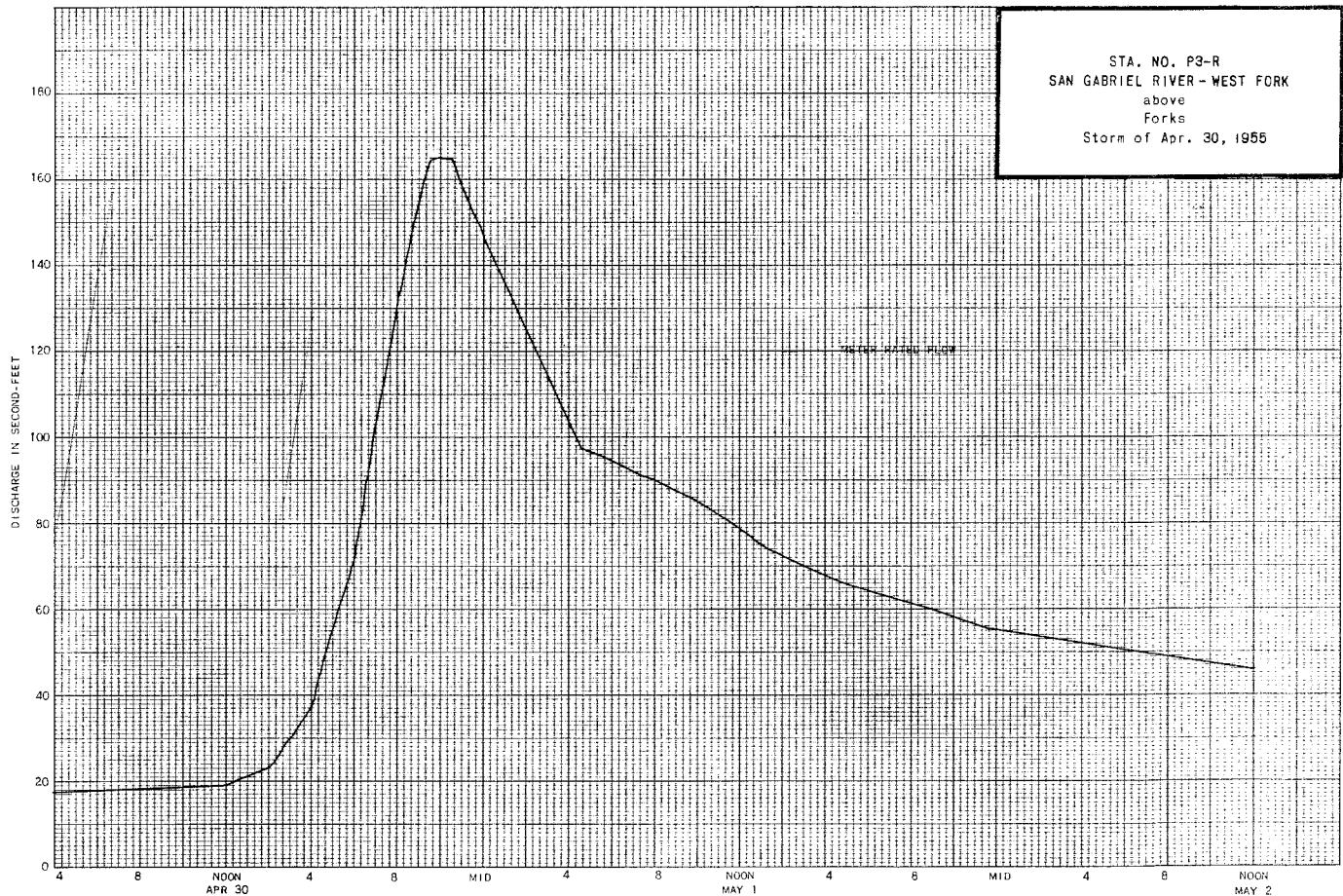
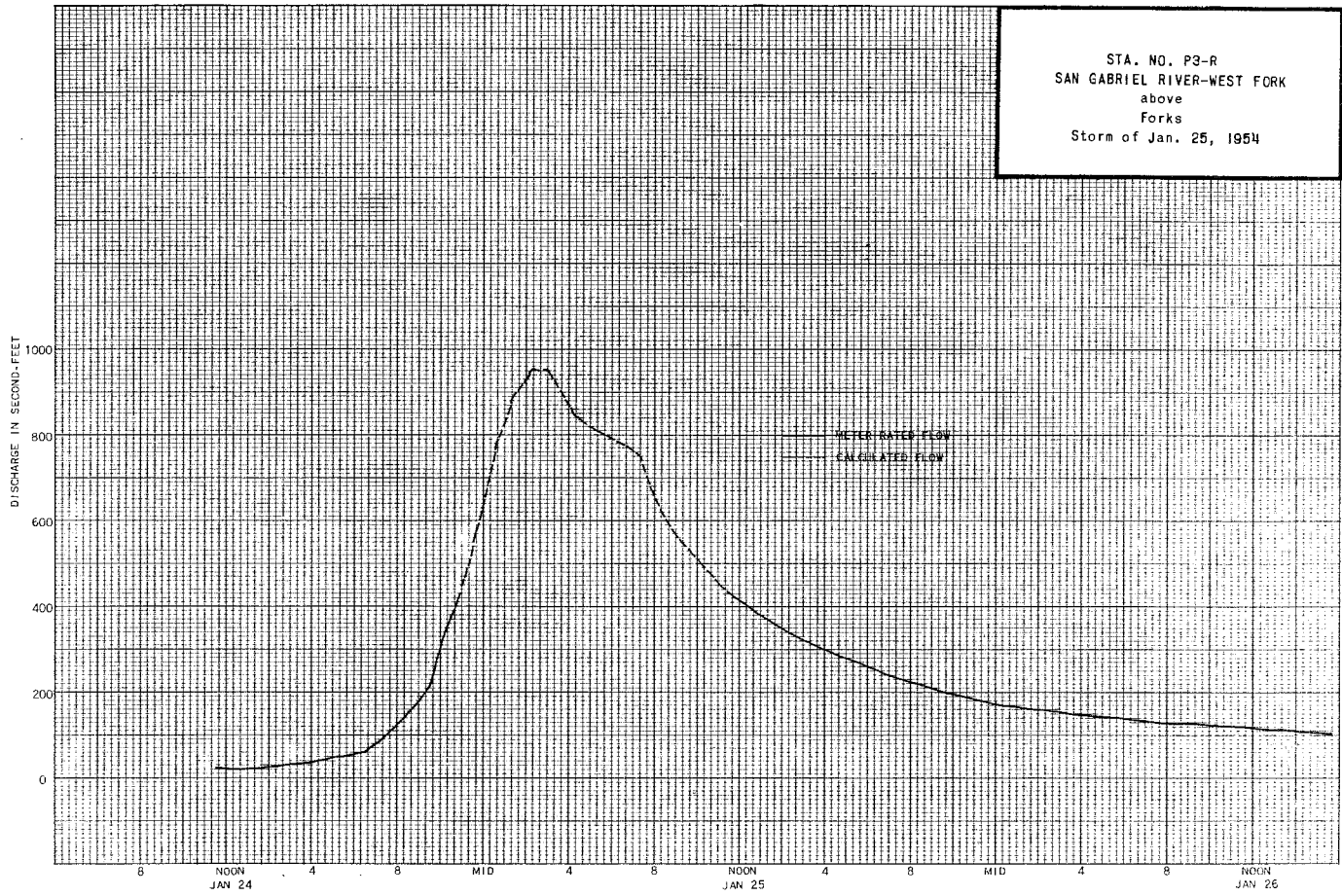
FORM Cb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. P3-R

Daily discharge, in second-feet of SAN GABRIEL RIVER - WEST FORK above Forks for the year ending September 30, 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3.8	5.3	7.7	1.4	2.7	3.2	1.6	3.3	2.4	1.7	1.3	1.1
2	3.6	5.5	8.0	1.5	2.5	3.0	1.6	4.6	2.5	1.7	1.3	1.1
3	2.7	5.5	12	1.7	2.5	2.8	1.6	3.6	2.3	1.7	1.3	1.1
4	2.0	5.5	2.8	1.5	2.4	2.7	1.7	3.9	2.2	1.6	1.3	1.1
5	9.2	5.3	1.6	1.4	2.2	2.6	1.6	4.0	2.2	1.6	1.3	1.1
6	8.0	5.1	1.3	1.5	2.1	2.5	1.5	3.7	2.1	1.5	1.2	1.1
7	5.3	5.0	1.2	1.5	2.0	2.5	1.4	5.0	2.0	1.5	1.2	1.1
8	4.7	5.1	1.1	1.5	2.0	2.3	1.4	4.2	2.0	1.4	1.2	1.1
9	4.6	4.9	1.1	1.4	2.0	2.3	1.4	4.8	2.0	1.4	1.2	1.1
10	4.6	5.3	2.0	2.8	2.0	2.4	1.3	4.6	2.0	1.4	1.2	1.1
11	4.4	4.3	1.6	2.8	1.9	4.0	1.3	4.3	2.1	1.4	1.2	1.0
12	4.2	2.5	1.4	2.3	1.9	3.4	1.2	3.8	2.0	1.4	1.2	1.0
13	4.1	1.5	1.3	2.0	1.9	3.0	1.2	3.7	2.1	1.3	1.2	1.1
14	4.1	1.2	1.2	1.9	1.9	2.9	1.2	3.8	2.3	1.3	1.1	1.1
15	4.0	1.1	1.1	1.9	1.9	2.8	1.5	3.6	2.2	1.5	1.1	9.8
16	3.6	1.0	1.1	3.0	2.0	2.8	1.5	3.2	2.3	1.4	6.8	1.3
17	4.1	9.2	1.0	2.7	3.5	2.7	1.6	3.0	2.1	1.4	1.2	1.5
18	4.1	8.4	1.1	5.4	2.9	2.6	1.7	2.9	2.0	1.4	1.2	1.4
19	4.1	8.2	1.0	3.1	2.5	2.5	1.7	2.8	1.9	1.4	1.2	1.4
20	4.1	7.7	1.1	3.4	2.4	2.5	1.6	2.5	1.7	1.4	1.2	1.3
21	4.1	7.2	1.1	2.9	2.2	2.5	1.7	2.6	1.7	1.4	1.2	1.4
22	4.1	7.2	1.0	2.6	2.2	2.4	2.5	2.6	1.6	1.4	1.2	1.4
23	4.1	7.0	1.0	2.6	2.1	2.2	2.0	2.6	1.6	1.4	1.2	1.4
24	4.4	7.2	1.0	2.5	2.1	2.1	1.9	2.6	1.6	1.4	1.2	1.4
25	4.6	7.0	1.0	2.6	2.1	2.0	1.9	2.6	1.7	1.4	1.1	1.4
26	4.7	7.0	9.8	2.6	2.2	2.0	2.0	2.5	1.8	1.4	1.2	1.4
27	4.4	6.7	9.2	2.6	4.3	1.9	1.9	2.4	1.9	1.4	1.2	1.4
28	4.6	6.7	8.7	2.7	4.0	1.9	1.8	2.2	1.8	1.3	1.2	1.4
29	4.4	7.2	8.7	2.7		1.8	1.8	2.0	1.8	1.3	1.2	1.3
30	4.6	7.4	8.7	2.7		1.8	5.2	2.2	1.8	1.3	1.2	1.3
31	4.9		8.7	2.8		1.7		2.4		1.3	1.1	
247.3                      272.6                      362.5                      771                      665                      779                      524                      1031                      597                      444                      368.8                      366.8												
MEAN	7.98	9.09	11.7	24.9	23.8	25.1	17.5	34.9	19.9	14.3	11.9	12.2
ACRE-FOOT	491.	542.	719.	1530.	1320.	1550.	1040.	2140.	1180.	861.	732.	728.
Remarks:	YEAR OR PERIOD MEAN ACRES-FOOT 12850.											





STATION P 4B-R  
SAN GABRIEL RIVER - EAST FORK above Forks

LOCATION: WATER-STAGE RECORDER, LAT. 34°14'09", LONG. 117°48'18", ON THE RIGHT (NORTH) BANK ABOVE THE HIGH WATER LINE OF SAN GABRIEL DAM, 2.5 MILES ABOVE THE WEST FORK AND 8 MILES NORTHEAST OF GLENDORA. ELEVATION OF ZERO GAGE HEIGHT, 1567.04 FEET. FORMER STATION P4-R WAS ABOUT 0.6 MILE DOWNSTREAM.

DRAINAGE: 86.2 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - SAND, GRAVEL AND BOULDERS. CONTROL - A CONCRETE CONTROL WITH A 20-FOOT LOW FLOW NOTCH WAS CONSTRUCTED IN NOVEMBER 1947. CONTROL HEIGHT INCREASED 2.0 FEET SEPTEMBER 1955.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM CABLE CAR 23 FEET ABOVE GAGE.

RECORDER: INSTALLED NOVEMBER 30, 1932 AT STATION P4-R. MOVED TO STATION P4B-R DECEMBER 10, 1938 AND INSTALLED IN A CONCRETE HOUSE OVER A 4 FT. X 4 FT. CONCRETE STILLING WELL. AN AU CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1953 TO SEPTEMBER 30, 1955.

REGULATION: NONE.

DIVERSIONS: NONE.

RECORDS AVAILABLE: AT STATION P4-R AND P4B-R, NOVEMBER 30, 1932 TO SEPTEMBER 30, 1955.

EXTREMES OF DISCHARGE:

1952-54  
MAXIMUM 1690 SECOND-FOOT JANUARY 25.  
MINIMUM 5.1 SECOND-FOOT OCTOBER 7.

1954-55  
MAXIMUM 203 SECOND-FOOT NOVEMBER 11.  
MINIMUM 12.0 SECOND-FOOT AUGUST 27.

1932-55  
MAXIMUM 46000 SECOND-FOOT MARCH 2, 1938 (COMPUTED BY GEOLOGICAL SURVEY.)  
MINIMUM 1.5 SECOND-FOOT 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 BRANCHES.

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER - EAST FORK  
AT above forks DURING THE YEAR ENDING SEPTEMBER 30, 1954

NO.	DATE	SEBIN NO.	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. ING.	METH. CO.	MEAS. REC. NO.	D. HT. CHANGE TOTAL	METER NO.	NO.	DATE	SEBIN NO.	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. ING.	METH. CO.	MEAS. REC. NO.	D. HT. CHANGE TOTAL	METER NO.
2392	10-2	1420 1440 1158	GODFREY	13.5	7.45	0.79	7.35	5.9	.6	16	-01	FC11	2416	12-21	1130 1150	DE VORE	14.2	9.14	1.12	7.72	10.2	.6	16	0	FC22		
2393	10-6	1222 1417 1440	"	13.6	6.98	0.79	7.37	5.4	.6	16	0	FC28	2417	12-23	1428 1447 1638	"	14.3	9.19	1.12	7.75	10.3	.6	16	0	"		
2394	10-8	1448 1508	MIDDLETON	13.7	7.16	0.73	7.37	5.2	.6	16	-01	"	2418	12-28	1656 1537	"	14.2	9.24	1.08	7.75	10.0	.6	16	0	"		
2395	10-13	0955 1017 1556	"	14.4	7.82	0.93	7.83	7.3	.6	16	-01	FC26	2419	1-1	1430 1449 1458	"	14.2	9.32	1.08	7.75	10.1	.6	16	0	"		
2396	10-15	1616	DE VORE	14.0	8.01	0.99	7.86	7.9	.6	16	0	"	2420	1-4	1516 1356	"	14.3	9.45	1.10	7.76	10.4	.6	16	-02	"		
2397	10-19	1515 1535	"	14.2	7.60	0.88	7.83	6.7	.6	16	0	FC18	2421	1-7	1415 1600	"	14.3	9.18	1.06	7.74	9.7	.6	16	0	"		
2398	10-22	1458 1518	"	14.2	7.99	0.93	7.96	7.4	.6	16	0	FC12	2422	1-11	1614 1633	"	14.3	9.46	1.09	7.74	10.3	.6	16	0	"		
2399	10-26	1538 1506	"	14.4	8.38	0.79	8.00	6.6	.6	16	0	"	2423	1-12	1341 1403	"	15.0	11.1	1.37	7.87	15.2	.6	11	0	"		
2400	10-29	1527 1528	"	14.2	8.48	0.88	8.01	7.5	.6	16	0	FC22	2424	1-14	0742 0812 1030	"	14.4	9.72	1.18	7.77	11.5	.6	16	0	"		
2401	11-2	1527 1528	"	14.3	8.48	0.92	8.02	7.8	.6	16	0	"	2425	1-18	1341 1403	"	14.5	9.89	1.20	7.78	11.9	.6	16	0	"		
2402	11-5	1546	"	14.2	9.04	1.01	8.08	9.1	.6	16	0	"	2426	1-19	0742 0812 1030	GODFREY-LANPHEAR	CHANNELS	9.43	631.				.6	9	-50	FC28	
2403	11-9	1327 1346	"	14.6	8.74	0.98	7.59	8.6	.6	16	0	"	2427	1-19	1045 1600	"	30.0	41.5	4.43	8.46	184.	.6	13	-06	"		
2404	11-12	1455 1510	DE VORE-LINDSAY	14.4	8.90	1.00	7.60	8.9	.6	16	0	"	2428	1-19	1618 1640	"	29.5	34.6	4.71	8.26	163.	.6	12	+04	"		
2405	11-14	1948 2005	DE VORE	15.0	10.8	1.31	7.76	14.2	.6	11	-01	"	2429	1-19	1131 1148 1910	"	32.5	53.9	6.12	8.63	330.	.6	14	-04	"		
2406	11-16	1147 1126 1146	GODFREY-DE VORE	13.8	9.55	1.10	7.68	10.5	.6	16	0	"	2430	1-20	0900 0918	"	30.5	30.9	3.08	7.92	95.2	.6	17	-01	"		
2407	11-19	1351 1417	DE VORE	14.7	9.28	1.19	7.69	11.0	.6	16	0	"	2431	1-21	1131 1148 1935	DE VORE-PAYNE	27.8	20.5	2.39	7.69	48.9	.6	16	0	FC22		
2408	11-23	0945 0911	GODFREY	14.5	8.89	1.19	7.68	10.6	.6	16	0	"	2432	1-24	1958 2238	GODFREY-LANPHEAR	33.5	43.9	5.44	8.44	239.	.6	14	+20	FC28		
2409	11-25	0945 1334 1352	DE VORE	14.8	9.16	1.15	7.67	10.5	.6	16	0	"	2433	1-24	2150 0012 0066	"	36.5	65.1	6.27	9.05	408.	.6	15	+30	"		
2410	11-30	1525 1544	"	14.8	8.89	1.10	7.69	9.7	.6	16	0	"	2434	1-25	0252 0911 0949	"	CHANNELS	9.87	866.				.6	17	+45	"	
2411	12-3	1117	"	14.6	9.15	1.13	7.75	10.3	.6	16	0	"	2435	1-25	0252 0911 0949	"	"	"	10.25	1240.		.6	22	+45 -30	FC11		
2412	12-7	1138 1338	"	14.4	9.57	1.19	7.80	11.4	.6	16	0	"	2436	1-25	0900 0930	"	"	"	9.67	652.		.6	24	-09	"		
2413	12-10	1358 0940	"	14.2	9.20	1.15	7.78	10.6	.6	16	0	"	2437	1-26	1527 1559	GODFREY	42.0	44.2	4.25	8.73	188.	.6	22	-01	"		
2414	12-14	1417 1437	"	14.3	9.14	1.13	7.73	10.3	.6	16	0	"	2438	1-26	1543 1612	"	42.5	41.0	3.76	8.70	154.	.6	23	-01	"		
2415	12-17	1437	"	14.3	9.20	1.13	7.73	10.4	.6	16	0	"	2439	1-27	1612	DE VORE	2 CHANNELS	8.64	113.				.6	20	0	FC22	

NO.	DATE	SECT. END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC.	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAT. INCH	METH. NO.	REAR BEC. NO.	R. BY CHANGE TOTAL	METER NO.	NO.	DATE	SECT. END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC.	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAT. INCH	METH. NO.	REAR BEC. NO.	R. BY CHANGE TOTAL	METER NO.		
2440	2-1	1313 1343	DE VORE		CHANNELS	8.51	70.7		.6	23	0	FC22	2501	6-17	1526 1555	"	22.6	23.0	1.68	7.95	38.7		.6	19	-01	"			
2441	2-4	1453 1513	"		"	8.31	61.3		.6	18	0	"	2502	6-21	1520 1416	DE VORE	22.8	21.6	1.64	7.89	35.5		.6	19	-01	FC22			
2442	2-8	1330 1400	"		"	8.18	45.8		.6	24	0	"	2503	6-24	1523 1552	GODFREY	22.6	21.0	1.47	7.67	30.8		.6	15	0	FC28			
2443	2-11	1557 1621	"		"	8.17	43.1		.6	19	0	"	2504	6-28	1004 1021	DE VORE	22.5	22.0	1.70	7.92	37.3		.6	19	-01	FC22			
2444	2-13	1935 1954	GODFREY-COOPER		"	9.59	555.		.6	11	+02	FC28	2505	7-1	1455 1516	"	22.1	20.2	1.49	7.85	30.0		.6	19	-01	"			
2445	2-13	2006 2023	"		"	9.66	642.		.6	12	0	"	2506	7-8	1605 1629	THOMAS	21.9	18.3	1.40	7.77	25.7		.6	15	0	FC51			
2446	2-14	0012 0030	"		"	9.16	349.		.6	11	-02	"	2507	7-12	1338 1402	DE VORE	22.8	21.7	1.22	7.90	26.4		.6	18	0	FC22			
2447	2-14	0926 0946	"		"	8.73	212.		.6	19	-01	"	2508	7-15	1534 1600	"	22.0	18.6	1.27	7.77	23.6		.6	19	0	"			
2448	2-16	1450 1512	DE VORE		"	8.58	117.		.6	21	0	FC22	2509	7-19	1529 1555	"	22.5	19.5	1.21	7.80	23.6		.6	19	0	"			
2449	2-18	1617 1640	"		"	8.61	98.6		.6	20	0	"	2510	7-22	1530 1554	"	22.2	19.0	1.20	7.79	22.8		.6	19	-01	"			
2450	2-23	1427 1451	"		"	8.55	80.8		.6	19	0	"	2511	7-26	1041 1105	"	22.7	20.4	1.30	7.87	26.6		.6	19	-01	"			
2451	2-25	1553 1616	"		"	8.55	77.2		.6	19	0	"	2512	7-29	1314 1340	"	22.6	20.3	1.08	7.86	22.0		.6	20	-01	"			
2452	3-1	1525 1551	"		"	8.52	71.5		.6	21	0	"	2513	8-2	1132 1152	DE VORE	13.8	9.97	2.44	7.90	24.3		.6	15	0	FC22			
2453	3-4	1530 1555	"		"	8.47	60.3		.6	20	0	"	2514	8-5	1459 1511	"	14.0	10.2	2.23	7.85	22.7		.6	15	-01	"			
2454	3-8	1524 1548	"	17.0	18.6	2.92	8.43	54.4		.6	17	0	"	2515	8-9	0954 1014	GODFREY	13.8	10.6	2.17	7.80	23.0		.6	15	0	FC28		
2455	3-11	1510 1532	"	17.0	18.4	2.89	8.50	53.1		.6	17	0	"	2516	8-9	1046 1105	"	13.7	9.85	2.32	7.80	22.9		.6	15	0	"		
2456	3-15	1007 1031	"	16.8	16.5	3.01	8.56	49.6		.6	16	0	"	2517	8-9	1635 1654	"	13.6	8.90	2.18	7.74	19.4		.6	15	0	"		
2457	3-17	1019 1432	"		CHANNELS	8.64	64.4		.6	22	0	"	2518	8-12	1435 1455	DE VORE	13.9	9.01	2.36	7.78	21.3		.6	15	0	FC22			
2458	3-18	1502	"		"	8.61	51.7		.6	22	0	"	2519	8-16	1520 1540	"	15.0	10.8	1.79	7.78	19.3		.6	16	-01	"			
2459	3-20	0901 0923	DE VORE-LANPHEAR		"	8.72	90.7		.6	22	+01	"	2520	8-19	1526 1558	"	15.0	10.8	1.81	7.78	19.6		.6	16	-01	"			
2460	3-20	1343 1357	"	37.0	29.6	4.09	8.77	121.		.6	15	0	"	2521	8-23	1154 1213	"	14.9	11.2	1.93	7.82	21.1		.6	16	-01	"		
2461	3-21	0923 0938	"	36.8	32.1	4.08	8.80	131.		.6	15	0	"	2522	8-26	1601 1619	"	14.9	11.0	1.72	7.78	18.9		.6	16	0	"		
2462	3-22	1108 1133	DE VORE	37.0	30.9	4.39	8.81	133.		.6	19	0	"	2523	8-30	0949 1008	"	15.2	11.2	1.77	7.78	19.8		.6	16	0	"		
2463	3-22	2212 2232	DE VORE-LANPHEAR	37.9	35.6	5.22	8.92	186.		.6	14	0	"	2524	8-30	1452 1452	"	15.0	10.5	1.58	7.73	16.6		.6	16	0	"		
2464	3-23	1416 1435	DE VORE	37.7	34.4	4.94	8.84	170.		.6	15	0	"	2525	8-30	1390 1392	"	14.8	10.0	1.50	7.70	15.0		.6	16	0	"		
2465	3-25	0950 1013	E.K. DE VORE	37.0	33.4	4.52	8.79	151.		.6	16	0	FC22	2526	9-2	1553 1611	"	15.0	10.5	1.61	7.78	16.9		.6	16	0	"		
2466	3-29	1016 1023	"	38.2	34.3	4.34	8.69	149.		.6	20	0	"	2527	9-8	1421 1437	"	13.6	9.54	1.76	7.84	16.7		.6	15	0	"		
2467	3-30	0030 0438	E.K. DE VORE-LANPHEAR	39.0	39.3	5.22	8.83	204.		.6	12	+04	"	2528	9-13	1422 1442	GODFREY	21.2	15.6	1.01	7.71	15.7		.6	14	0	FC28		
2468	3-30	0505 1101	"	43.0	52.2	6.53	9.05	341.		.6	17	-18	FC11	2529	9-16	1455 1508	"	21.5	14.4	1.14	7.71	16.4		.6	14	0	"		
2469	3-30	1124 1623	"	50.8	43.0	4.24	8.82	182.		.6	24	0	FC22	2530	9-20	1334 1358	"	13.7	9.71	1.69	7.73	16.4		.6	15	0	"		
2470	4-1	1650 1016	DE VORE	39.0	37.0	4.41	8.59	163.		.6	22	0	"	2531	9-23	1535 1555	"	13.7	9.47	1.48	7.66	14.0		.6	15	0	"		
2471	4-5	1052 1441	"	38.0	40.4	5.00	8.43	202.		.6	24	0	"	2532	9-27	1640 1658	DE VORE	13.7	8.81	1.51	7.84	13.3		.6	15	0	FC22		
2472	4-8	1515 1125	"	43.8	41.6	5.07	8.32	212.		.6	21	+01	"	2533	9-30	1520 1537	"	13.8	9.40	1.65	7.92	15.5		.6	15	0	"		
2473	4-10	1149 1149	DE VORE-DE VORE	40.6	46.0	4.27	8.33	195.		.6	20	-01	"																
2474	4-11	1232 1443	DE VORE	40.4	42.0	4.62	8.29	194.		.6	19	-01	FC11																
2475	4-12	1206 1312	"	41.0	45.4	4.01	8.27	182.		.6	20	-01	"																
2476	4-13	1340 1247	"	43.0	44.0	3.87	8.25	171.		.6	20	-01	"																
2477	4-15	1323 1527	GODFREY	41.0	45.9	3.99	8.25	163.		.6	16	-01	FC28																
2478	4-16	1550 0958	DE VORE	43.4	40.6	4.02	8.23	163.		.6	20	0	FC11																
2479	4-17	1020 1061	"	43.2	42.1	4.11	8.29	173.		.6	20	0	"	2534	10-4	1605 1622	DE VORE	13.9	9.33	1.65	7.81	15.4		.6	15	0	FC22		
2480	4-19	1114 1113	"	43.0	42.1	3.97	8.29	167.		.6	20	0	"	2535	10-7	1417 1434	"	13.8	9.40	1.66	7.82	15.6		.6	15	0	"		
2481	4-19	1148 1450	GODFREY	41.0	44.7	3.98	8.30	178.		.6	23	0	FC28	2536	10-11	1019 1039	"	14.0	9.55	1.67	7.83	15.9		.6	15	0	"		
2482	4-20	1524 1517	"	41.5	41.3	3.63	8.19	150.		.6	22	0	"	2537	10-14	1502 1519	"	14.0	9.49	1.41	7.81	13.4		.6	15	0	"		
2483	4-22	1535 1039	DE VORE	40.6	37.7	3.61	8.14	136.		.6	18	0	FC11	2538	10-18	1026 1044	"	14.2	10.1	1.53	7.87	15.5		.6	15	-01	"		
2484	4-24	1058 1110	"	27.0	34.1	4.05	8.14	138.		.6	15	0	"	2539	10-21	1336 1355	"	14.6	9.91	1.40	7.85	13.9		.6	15	0	"		
2485	4-26	1131 1131	"	41.2	36.0	3.61	8.34	130.		.6	18	0	"	2540	10-25	0941 1001	"	14.9	10.9	1.48	7.86	16.1		.6	16	0	"		
2486	4-29	1205 1030	DE VORE-CORDAY	41.6	34.8	3.30	8.30	115.		.6	19	0	FC22	2541	10-28	1531 1549	"	14.7	10.3	1.37	7.88	14.1		.6	16	0	"		
2487	5-1	1056 1114	DE VORE	40.8	33.9	3.16	8.27	107.		.6	18	-01	"	2542	11-1	1401 1419	"	14.9	10.7	1.49	7.90	15.9		.6	16	0	"		
2488	5-3	1135 1458	"	25.0	27.3	3.70	8.20	101.		.6	15																		

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FOUR BEG.	RAISE HEIGHT FEET	DISCHARGE SEC. FT.	RAT- ING	METH- DO	MEAN REG. NO.	B. HT. CHANGE TOTAL	METER NO.	NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FOUR BEG.	RAISE HEIGHT FEET	DISCHARGE SEC. FT.	RAT- ING	METH- DO	MEAN REG. NO.	B. HT. CHANGE TOTAL	METER NO.
2556	12-6	1035 1055	"	25.0	16.3	1.79	8.60	29.1	.6	16	0	"	2608	4-22	1130 1132	"	28.6	21.7	2.50	8.51	54.2		.6	18	0	01	"
2557	12-9	1448 1511	"	24.0	14.8	1.58	8.57	23.4	.6	19	0	"	2609	4-25	1308 1330	"	28.0	20.0	2.37	8.48	47.4		.6	18	0	0	"
2558	12-10	0856 0719	E. K. DE VORE	26.4	18.9	2.12	8.65	40.1	.6	18	0	FC22	2610	4-28	1513 1536	"	27.6	19.3	2.41	8.46	46.5		.6	18	0	0	"
2559	12-13	0956 1018	"	24.4	15.7	1.65	8.58	25.9	.5	19	0	"	2611	4-30	1436 1448	DE VORE - LANPHEAR	27.4	21.6	2.46	8.49	53.2		.6	15	0	0	"
2560	12-16	1444 1506	"	24.4	15.0	1.52	8.58	22.8	.6	18	0	"	2612	4-30	1719 1731	"	29.8	26.4	2.80	8.59	76.7		.6	16	0	+02	"
2561	12-20	0725 1043	"	15.3	10.8	2.00	8.58	21.6	.6	16	0	"	2613	4-30	1541 1955	"	30.4	30.0	3.43	8.67	103.		.6	16	0	0	"
2562	12-23	1440 1458	"	15.3	10.9	1.87	8.59	20.4	.6	16	0	"	2614	4-30	2350 0004	"	30.0	28.5	3.34	8.65	95.1		.6	16	0	0	"
2563	12-27	0953 1012	"	15.3	10.9	1.81	8.62	19.7	.6	16	0	"	2615	5-1	1352 1416	DE VORE	28.0	23.7	3.00	8.55	71.0		.6	15	0	0	"
2564	12-30	1550 1606	GODFREY	15.5	11.6	1.60	8.62	18.6	.6	13	0	FC28	2616	5-2	1428 1446	"	28.0	21.7	2.83	8.50	61.4		.6	15	0	0	"
2565	1-3	1158 1215	"	15.7	12.9	2.14	8.61	27.6	.6	15	0	"	2617	5-5	1429 1451	"	27.8	22.9	3.12	8.54	71.5		.6	19	0	0	"
2566	1-4	1150 1160	"	15.7	13.0	2.01	8.60	26.1	.6	15	0	"	2618	5-7	1377 1397	"	29.6	25.8	3.44	8.61	88.7		.6	16	0	0	"
2567	1-6	1515 1533	DE VORE	15.5	12.2	2.34	8.61	28.6	.6	16	0	FC22	2619	5-9	1040 1103	"	29.6	24.8	3.14	8.56	78.0		.6	21	0	0	"
2568	1-10	1048 1104	"	25.4	15.0	2.47	8.66	37.0	.6	15	0	"	2620	5-12	1505 1528	"	29.3	23.3	3.10	8.53	72.3		.6	20	0	0	"
2569	1-13	1532 1548	"	22.6	11.9	2.24	8.59	26.7	.5	13	0	"	2621	5-16	1030 1056	"	27.8	32.2	3.06	8.53	71.0		.6	19	0	0	"
2570	1-16	1320 1338	"	25.2	16.1	2.55	8.65	41.0	.6	16	0	"	2622	5-19	1525 1551	"	28.4	21.2	3.06	8.49	64.9		.6	20	0	0	"
2571	1-17	1153 1153	DE VORE - VAN ALLEN	21.8	14.6	2.43	8.61	35.5	.6	13	0	"	2623	5-23	1494 1499	"	24.6	24.4	2.49	8.50	60.9		.6	19	0	0	"
2572	1-18	1134 1142	DE VORE - LANPHEAR	23.0	15.8	2.62	8.64	41.5	.6	13	0	"	2624	5-26	1500 1523	"	24.6	23.1	2.46	8.40	56.9		.6	18	0	0	"
2573	1-18	1419 1428	"	28.6	24.8	2.93	8.76	72.7	.6	11	0	"	2625	6-2	1443 1506	"	25.0	21.7	2.26	8.44	49.1		.6	19	0	0	"
2574	1-18	1705 1714	"	28.2	22.9	3.14	8.72	71.9	.6	11	0	"	2626	6-6	1312 1336	"	24.6	20.4	2.25	8.42	45.9		.6	19	0	0	"
2575	1-19	1104 1122	DE VORE	25.8	17.7	2.77	8.62	49.0	.6	15	0	"	2627	6-9	0900 0923	"	23.6	20.4	2.22	8.42	45.3		.6	19	0	0	"
2576	1-20	1511 1529	"	25.4	16.2	2.58	8.59	41.8	.6	14	0	"	2628	6-13	1007 1027	"	23.6	19.7	2.16	8.41	42.5		.6	19	0	0	"
2577	1-24	1057 1114	"	25.2	15.5	2.59	8.56	40.2	.6	15	0	"	2629	6-16	1522 1540	SADDORI 3- DE VORE	23.6	18.4	1.96	8.39	36.1		.6	18	0	0	"
2578	1-27	1513 1530	"	25.8	16.7	2.62	8.57	43.7	.5	15	0	"	2630	6-20	0928 0952	DE VORE	23.8	19.1	2.01	8.39	36.4		.6	20	0	0	"
2579	1-31	1035 1103	"	26.2	17.8	2.75	8.60	48.9	.5	23	0	"	2631	6-23	1552 1614	"	23.4	17.7	1.91	8.37	33.8		.6	18	0	0	"
2580	2-3	1447 1507	"	25.4	16.9	2.63	8.60	44.4	.5	18	0	"	2632	6-27	1051 1113	"	23.6	18.0	2.03	8.39	36.6		.6	18	0	0	"
2581	2-7	1005 1027	"	25.5	16.6	2.71	8.59	45.0	.6	17	0	"	2633	6-30	1552 1595	"	23.6	17.6	1.90	8.38	33.4		.6	18	0	0	"
2582	2-10	1526 1546	DE VORE	25.4	17.4	2.57	8.58	44.7	.6	17	0	FC22	2634	7-7	1523 1545	"	23.4	16.7	1.74	8.33	29.1		.6	18	0	0	"
2583	2-14	1001 1022	"	25.6	18.3	2.64	8.60	48.3	.5	17	0	"	2635	7-11	1143 1104	"	23.4	16.8	1.83	8.32	30.7		.6	18	0	0	"
2584	2-17	0911 0932	"	CHANNLS			8.77	115.	.5	20	.005	"	2636	7-14	0854 0915	"	23.6	16.6	1.79	8.30	29.7		.6	18	0	0	"
2585	2-18	1039 1059	"	28.8	26.2	3.32	8.64	87.0	.6	16	0	"	2637	7-18	1543 1602	GODFREY	23.3	15.9	1.40	8.31	22.3		.6	15	0	FC28	"
2586	2-21	1447 1511	"	28.2	21.2	2.80	8.53	59.5	.6	19	0	"	2638	7-21	1628 1648	"	23.0	16.1	1.41	8.31	22.7		.6	17	0	0	"
2587	2-24	1505 1518	"	27.2	20.0	2.62	8.52	52.5	.6	15	0	"	2639	7-25	1250 1312	"	23.2	16.9	1.44	8.32	24.3		.6	17	0	0	"
2588	2-27	0842 0954	DE VORE - LANPHEAR	28.0	22.5	2.70	8.57	62.6	.5	16	0	"	2640	7-28	1550 1607	"	23.3	15.7	1.46	8.31	22.9		.6	14	0	-.01	"
2589	2-27	1206 1217	"	28.0	24.7	3.22	8.63	79.5	.6	15	0	"	2641	8-1	1439 1503	"	23.2	15.1	1.42	8.28	21.4		.6	16	0	-.01	"
2590	2-27	1519 1529	"	28.2	25.4	3.22	8.64	81.8	.6	16	-.01	"	2642	8-4	1516 1540	DE VORE	20.8	14.9	1.58	8.30	23.6		.6	17	0	FC22	"
2591	2-28	1000 1020	DE VORE	28.2	22.6	2.92	8.58	65.9	.5	17	0	"	2643	8-8	0949 1007	"	21.5	15.8	1.41	8.30	22.3		.6	18	0	0	"
2592	3-3	1534 1534	"	28.0	21.1	2.84	8.55	60.0	.6	19	0	"	2644	8-11	1548 1511	"	21.2	14.9	1.32	8.28	19.7		.6	19	0	0	"
2593	3-7	1415 1437	"	28.0	21.1	2.75	8.53	58.1	.6	19	0	"	2645	8-15	1311 1339	"	23.0	16.5	1.24	8.31	20.4		.6	20	0	0	"
2594	3-10	1450 1515	"	28.2	22.0	2.77	8.54	60.9	.6	18	0	"	2646	8-18	1513 1538	"	23.4	15.9	1.22	8.28	19.4		.6	20	0	0	"
2595	3-11	1037 1100	"	29.0	25.0	3.24	8.63	81.0	.6	19	0	"	2647	8-22	1353 1416	"	23.6	15.4	1.22	8.25	18.8		.6	19	0	0	"
2596	3-14	1304 1324	"	29.0	23.4	3.06	8.58	71.7	.6	18	0	"	2648	8-25	1529 1550	"	24.0	15.1	1.15	8.25	17.4		.6	18	0	0	"
2597	3-17	1456 1517	"	28.6	23.4	2.50	8.56	67.8	.6	18	0	"	2649	8-29	0924 0948	"	24.0	15.6	1.18	8.32	18.3		.6	20	0	0	"
2598	3-21	1020 1041	"	28.2	22.6	2.91	8.55	65.7	.6	19	0	"	2650	9-1	1517 1537	"	23.5	14.2	1.05	8.28	14.9		.6	18	0	0	"
2599	3-24	1506 1526	"	27.9	21.8	2.76	8.53	60.2	.6	19	0	"	2651	9-7	1541 1555	"	12.2	5.58	2.49	8.13	13.9		.6	13	0	0	"
2600	3-28	1002 1024	"	28.0	22.4	2.85	8.55	63.9	.6	19	0	FC6	2652	9-12	1526 1541	"	11.7	6.46	2.06	8.14	13.3		.6	13	0	0	"
2601	3-31	1040 1060	STUNDEN	26.5	20.8	2.91	8.55	60.6	.6	17	0	FC36	2653	9-14	1619 1629	"	11.6	4.48	2.91		13.0		.6				

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LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. P4B-R

Daily discharge, in second-feet of SAN GABRIEL RIVER - EAST FORK above Forks for the year ending September 30, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5.9	7.7	9.8	10	70	70	164	106	52	32	23	18
2	5.9	7.7	10	10	65	70	176	101	50	31	22	17
3	5.7	7.9	10	10	62	63	186	99	50	30	23	18
4	5.6	8.2	12	10	63	60	196	98	51	29	23	17
5	5.4	8.8	12	9.8	57	60	206	98	50	28	23	17
6	5.3	9.1	12	9.6	51	57	220	96	47	28	22	16
7	5.2	8.8	11	9.6	46	54	220	94	46	28	22	16
8	5.2	8.5	11	9.6	45	54	227	94	45	27	21	17
9	5.2	8.5	11	10	44	54	210	94	45	25	20	16
10	5.3	8.5	10	10	43	55	199	87	45	26	21	16
11	5.0	8.6	10	10	43	55	196	86	42	26	21	17
12	5.6	8.6	10	10	43	55	185	84	40	26	21	16
13	7.0	9.0	10	12	103	a	183	82	42	26	21	16
14	7.3	12	10	12	224	a	189	80	40	24	20	15
15	7.3	12	10	12	152	a	192	80	39	26	21	16
16	a	10	10	11	126	a	179	76	39	24	21	16
17	7.3	10	10	11	118	67	173	74	39	26	21	16
18	7.3	10	10	13	101	34	170	72	38	27	21	16
19	7.3	11	10	242	101	52	183	70	39	25	20	16
20	7.3	11	10	23	94	27	167	69	36	25	21	16
21	7.5	11	10	50	86	126	155	69	35	25	21	16
22	7.5	11	10	39	84	145	144	67	34	24	20	15
23	7.5	11	10	32	82	160	136	63	32	24	19	14
24	6.8	10	10	116	80	150	136	59	32	24	18	15
25	6.6	10	10	105	76	153	134	58	32	24	19	16
26	6.4	10	11	74	74	147	128	57	34	24	20	16
27	7.3	9.8	10.8	120	74	a	147	57	34	24	20	16
28	7.7	9.8	9.8	105	72	a	147	57	35	25	19	15
29	7.7	9.6	10	97		a	155	55	34	22	19	17
30	7.7	9.6	10	83			219	55	32	23	18	16
31	7.5	9.6	10	80			174	52	32	22	17	16
	205.6	229.1	319.4	2097.8	2359.0	2913.0	5123.0	2386.0	1209.0	796.0	635.0	483.0
MEAN	6.63	9.64	10.3	67.7	84.2	94.0	171.	77.0	40.3	25.7	20.5	16.1
ACRE- FEET	408.	573.	634.	4160.	4680.	5780.	10160.	4730	2400.	1580.	1260.	958.
Remarks:								YEAR OR PERIOD	MEAN ACRE-FEET			51.6 37320.

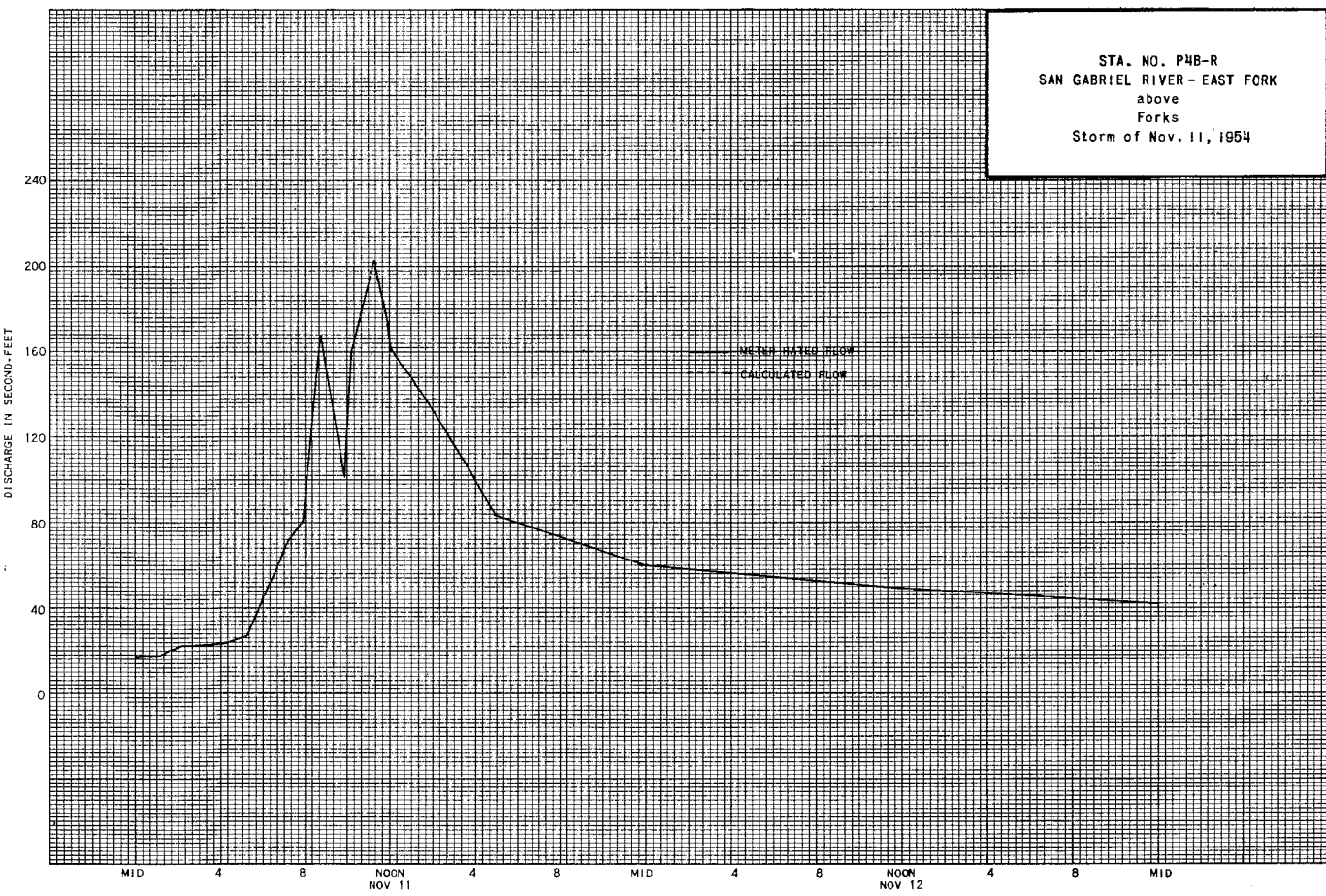
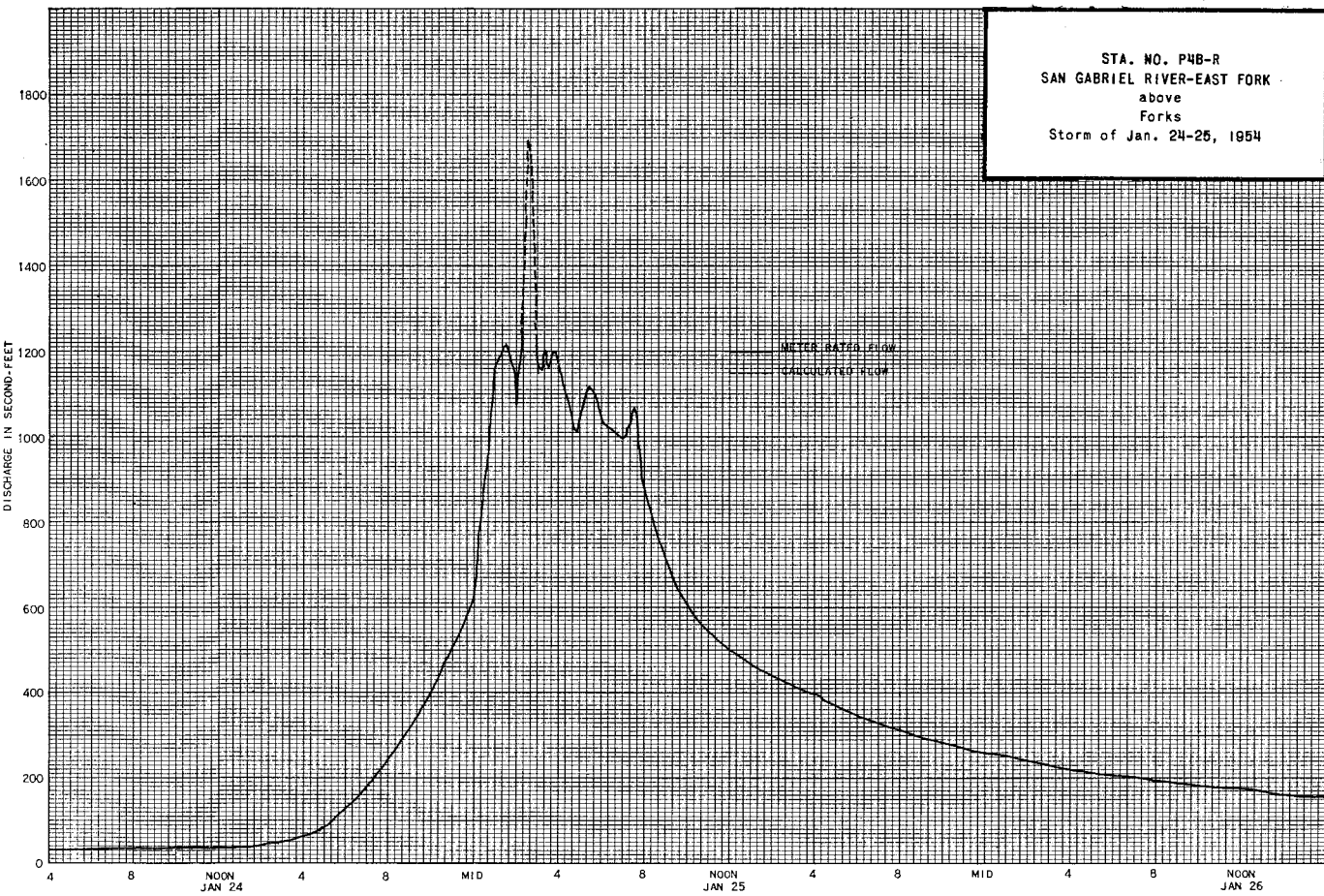
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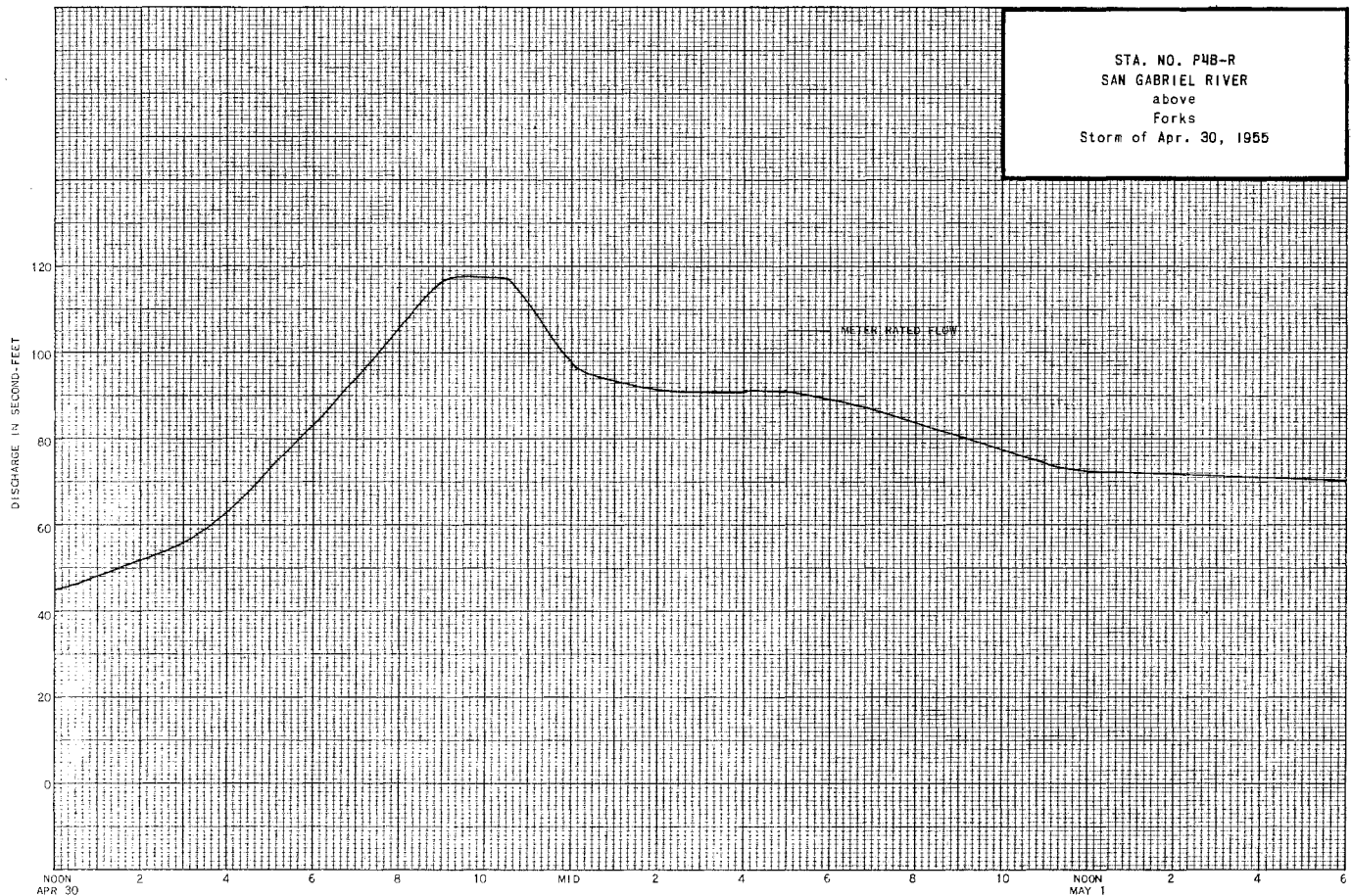
LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. P4B-R

Daily discharge, in second-feet of SAN GABRIEL RIVER - EAST FORK above Forks for the year ending September 30, 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	16	16	20	30	48	57	57	78	50	35	23	14
2	15	16	20	44	45	57	57	64	50	35	21	14
3	15	16	20	29	45	61	57	57	48	35	20	14
4	16	16	48	27	42	61	57	61	45	32	21	14
5	16	15	29	23	45	61	a	72	45	29	21	14
6	16	15	29	28	45	61	a	53	76	45	29	14
7	16	15	25	f	45	57	a	51	80	45	29	16
8	16	15	25	a	45	57	a	50	80	45	29	18
9	15	14	25	a	45	57	a	48	76	45	29	18
10	15	15	35	a	42	45	a	48	76	45	29	18
11	15	33	29	35	48	76	48	76	45	27	20	15
12	15	50	27	29	48	76	48	76	45	27	18	15
13	15	37	25	27	45	72	48	76	45	27	20	15
14	14	29	27	27	48	72	48	76	45	27	20	15
15	14	27	23	27	50	72	a	43	72	40	25	15
16	14	27	23	37	53	72	a	48	68	37	25	18
17	14	25	23	f	37	105	72	49	68	37	23	15
18	14	21	23	51	37	68	a	49	68	37	23	20
19	14	21	21	50	72	68	a	50	64	37	23	20
20	14	21	21	45	68	64	a	48	64	35	23	21
21	13	20	21	40	64	64	48	64	35	23	20	17
22	14	20	20	40	61	64	53	61	37	23	20	17
23	14	20	20	40	57	61	48	61	37	23	20	16
24	15	18	20	40	53	61	48	61	37	23	18	16
25	15	18	20	40	53	61	48	61	37	23	18	16
26	15	18	20	42	48	57	48	61	37	23	14	16
27	15	18	20	42	48	61	48	61	37	23	12	15
28	14	18	20	42	64	64	48	53	35	23	12	15
29	15	20	18	42		64	48	50	37	23	14	15
30	15	20	18	42		61	64	50	35	23	14	14
31	15		18	48		57		50		23	14	
	460	684	738	1124	1537	1976	1518	2057	1230	814	565	454
MEAN	14.8	22.8	23.8	36.3	54.9	63.7	50.6	66.4	41.0	26.3	18.2	15.1
ACRE- FEET	912.	1360.	1460.	2230.	3050.	3920.	3010.	4080.	2440.	1610.	1120.	900.
Remarks:								YEAR OR PERIOD	MEAN ACRE-FEET			36.0 26090.





STATION F250-R  
 SAN GABRIEL - AZUSA CONDUIT at Weir below San Gabriel Dam

LOCATION: WATER STAGE RECORDER, LAT.  $34^{\circ}12'15''$ , LONG.  $117^{\circ}51'18''$ , ON THE LEFT (EAST) SIDE OF THE SANDBOX ON AZUSA CONDUIT, 12 FEET ABOVE THE 25-FOOT WEIR AND APPROXIMATELY 100 FEET BELOW THE 30-FOOT OUTLET TUNNEL AT SAN GABRIEL DAM, APPROXIMATELY 2500 FEET BELOW THE OLD EDISON INTAKE (ABANDONED), AND APPROXIMATELY 3900 FEET ABOVE STATION 220-R.

CHANNEL AND CONTROL: CHANNEL - CONCRETE SANDBOX WITH SLUICE GATES AND A CONCRETE BY-PASS CHANNEL, A SECONDARY BOX WITH A TAINOR GATE AND A 10-FOOT WEIR CONTROLS THE FLOW INTO THE CONDUIT. CONTROL - A 25-FOOT, SHARP-CRESTED WEIR WITH TWO END CONTRACTIONS. STATION F250-R GIVES A RECORD OF THE FLOW DOWN THE AZUSA CONDUIT AND/OR FLOW SPILLED INTO MORRIS RESERVOIR.

RECORDER: INSTALLED FEBRUARY 14, 1935 OVER A 24-INCH CORRUGATED IRON PIPE STILLING WELL. AN AN CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1953 TO SEPTEMBER 30, 1955.

REGULATION: THE FLOW OF THE SAN GABRIEL RIVER, AVAILABLE AT SAN GABRIEL DAM, IS PARTIALLY REGULATED BY COGSWELL DAM, AND THE ENTIRE FLOW INTO THE SANDBOX IS REGULATED BY VALVE DISCHARGE FROM SAN GABRIEL DAM.

RECORDS AVAILABLE: FEBRUARY 14, 1935 TO SEPTEMBER 30, 1955.

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 THROUGH THE SANDBOX ONLY AND DOES NOT NECESSARILY REFLECT DISCHARGE TO THE AZUSA CONDUIT. (SEE STATION F220-R).

60743 Cb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F250-R

Daily discharge, in second-feet of SAN GABRIEL - AZUSA CONDUIT at Weir below San Gabriel Dam for the year ending September 30, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.4	0	11.8	11.8	3.8	3.9	3.7	0.04	4.0	4.5	4.5	5.0
2	0.4	0	11.8	11.8	3.8	3.7	3.7	0.04	4.0	4.5	4.5	5.0
3	0.4	0	11.8	11.8	3.8	3.7	3.7	0.04	3.9	4.5	4.5	5.0
4	0.4	0	11.8	11.8	3.8	3.8	3.8	0.04	3.9	4.5	4.5	5.0
5	0.3	0	11.8	11.8	3.8	3.8	3.7	0.04	4.0	4.4	4.5	5.0
6	0.5	0	11.8	11.8	3.8	3.8	3.7	0.04	4.0	4.5	4.5	5.0
7	0.5	0	12.2	11.8	3.8	3.8	3.7	2.6	4.0	4.5	4.5	5.0
8	2.1	0	12.2	12.2	7.7	8.8	3.6	4.1	4.0	4.5	4.5	5.0
9	2.2	0	12.2	12.2	6.0	8.6	3.6	4.0	4.0	4.5	4.5	5.0
10	+	0	12.2	12.2	6.0	8.7	3.7	4.1	4.0	4.5	4.5	5.0
11	0	0	12.2	12.1	6.0	7.4	3.7	4.1	4.0	4.5	4.5	5.0
12	0	0	12.2	11.9	6.0	7.0	8.6	4.0	4.0	4.5	4.5	5.0
13	0	0	12.2	12.2	6.0	7.1	2.6	4.0	4.0	4.5	4.5	5.0
14	0	0	12.2	17.4	7.9	7.0	0.5	4.1	4.0	4.5	5.0	5.0
15	0	0	12.2	2.0	8.3	7.0	0.6	4.1	4.0	4.5	5.0	5.0
16	0	0	12.2	2.0	8.3	7.0	0.6	4.1	4.0	4.5	5.0	5.0
17	0	0	12.2	2.0	8.3	7.6	0.4	4.0	4.0	4.5	5.0	5.0
18	0	0	12.2	2.0	8.3	8.4	0.3	3.9	4.0	4.5	5.0	5.0
19	0	0	12.2	5.5	3.9	3.5	0.2	4.0	4.0	4.5	5.0	5.0
20	0	0	12.3	4.5	3.0	3.5	0.1	4.0	4.0	4.5	5.0	5.0
21	0	0	12.0	3.5	3.0	3.5	0.04	4.0	4.0	4.5	5.0	5.0
22	0	0	11.8	5.0	3.8	3.5	0.04	4.0	4.0	4.5	5.0	5.0
23	0	0	11.8	5.0	3.8	3.5	0.04	4.0	4.0	4.4	5.0	5.0
24	0	0	11.8	5.0	3.8	3.5	0.04	4.0	4.0	4.4	5.0	5.0
25	0	0	11.8	5.0	3.8	3.5	0.04	4.0	4.0	4.4	5.0	5.0
26	0	6.5	11.8	3.4	3.2	3.2	0.04	4.0	4.0	4.4	5.0	5.0
27	0	11.8	11.8	3.4	3.9	3.8	0.04	4.0	4.0	4.4	5.0	5.0
28	0	11.8	11.8	3.6	3.3	3.3	0.04	4.0	4.0	4.4	5.0	5.0
29	0	11.8	11.8	3.6	3.3	3.3	0.04	3.9	4.0	4.4	5.0	5.0
30	0	11.8	11.8	3.8	3.3	3.3	0.04	3.9	4.0	4.4	5.0	5.0
31	0	11.8	11.8	3.8	3.3	3.3	0.04	3.9	4.0	4.4	5.0	5.0
	7.2	65.5	371.7	1036.8	231.2	253.1	1071.2	938.24	119.8	133.3	149.1	164.2

MEAN	0.23	2.18	12.0	33.4	82.6	83.3	35.7	31.9	39.9	44.6	48.1	54.7	
ACRE- FEET	14.	130.	737.	2060.	4590.	5120.	2120.	1960.	2380.	2740.	2960.	3260.	
Remarks:	+ = 0.05 cfs or less										YEAR OR PERIOD	MEAN	38.8
											ACRE-FEET	28070.	

60744 Cb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F250-R

Daily discharge, in second-feet of SAN GABRIEL - AZUSA CONDUIT at Weir below San Gabriel Dam for the year ending September 30, 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3.5	4.7	3.0	3.5	3.2	6.6	6.5	3.5	4.5	4.5	5.0	5.6
2	3.5	3.5	3.0	3.5	3.2	6.6	6.5	3.5	4.5	4.5	5.0	5.5
3	3.5	3.5	3.0	3.5	3.1	6.6	6.5	3.5	4.5	4.5	5.0	5.5
4	3.5	3.5	3.0	3.5	3.1	6.6	6.5	3.5	4.5	4.5	5.0	5.4
5	3.5	3.5	3.5	4.2	3.0	6.5	6.5	3.5	4.5	4.5	5.0	5.4
6	3.5	3.5	3.5	4.5	3.0	6.5	6.5	3.3	4.5	4.5	5.0	5.5
7	3.5	3.5	3.5	4.5	3.0	6.6	4.5	3.5	4.5	4.5	5.0	5.5
8	3.5	3.5	3.5	4.5	6.3	6.6	3.5	3.6	4.5	4.6	5.0	5.5
9	3.5	3.5	3.5	4.5	4.4	6.5	3.5	3.5	4.5	5.0	5.0	5.6
10	3.5	3.5	3.5	3.7	4.1	6.4	3.5	3.4	4.5	5.0	5.0	5.6
11	3.5	3.5	3.5	7.0	6.3	6.4	3.5	3.4	4.6	5.0	5.0	5.6
12	3.5	3.5	3.5	7.0	6.2	6.3	3.5	3.5	4.6	5.0	5.0	5.6
13	3.5	3.5	3.5	7.0	6.2	6.3	3.5	3.5	4.5	5.0	5.0	5.5
14	3.5	3.5	3.5	6.9	6.1	6.3	3.5	3.5	4.5	5.0	5.0	5.5
15	3.5	3.5	3.5	6.9	7.3	6.3	3.5	3.5	4.5	5.0	5.0	5.5
16	3.5	3.5	3.5	6.9	6.5	6.5	3.5	3.5	4.5	5.0	5.0	5.5
17	3.5	3.5	3.5	7.0	6.6	6.5	3.5	3.5	4.5	5.0	5.0	5.5
18	3.5	3.5	3.5	7.9	6.6	6.5	3.5	3.5	4.6	5.0	5.0	5.5
19	3.5	3.5	3.5	8.4	6.6	6.5	3.5	4.0	4.6	5.0	5.0	5.5
20	3.5	3.5	3.5	8.3	6.7	6.5	4.7	4.5	4.5	5.0	5.0	5.5
21	3.5	3.5	3.5	6.3	6.6	6.5	3.5	4.5	4.5	5.0	5.0	5.5
22	3.5	3.5	3.5	6.3	6.6	6.5	3.5	4.5	4.5	5.0	5.0	5.5
23	3.5	3.5	3.5	6.3	6.6	6.5	3.5	4.5	4.5	5.0	5.0	5.5
24	3.5	3.5	3.5	6.4	6.6	6.5	3.5	4.5	4.5	5.0	5.0	5.5
25	3.5	3.5	3.5	6.3	6.6	6.5	3.5	4.5	4.5	5.0	5.0	5.5
26	3.5	3.5	3.5	6.3	6.6	6.5	3.5	4.5	4.5	4.9	5.0	5.5
27	3.5	3.5	3.5	6.3	6.6	6.5	3.5	4.5	4.5	4.9	5.0	5.5
28	3.5	3.5	3.5	6.3	6.6	6.5	3.5	4.5	4.5	4.9	5.0	5.5
29	3.5	3.5	3.5	6.3	6.6	6.5	3.5	4.5	4.5	4.9	5.0	5.4
30	3.5	3.5	3.5	6.2	6.6	6.5	3.5	4.5	4.5	4.9	5.0	5.4
31	3.5	3.5	3.4	6.2	6.6	6.5	3.5	4.5	4.5	4.9	5.0	5.4
	1706	1057	1065	2065	1953	2020	1252	1209	1354	1504	1619	1652

MEAN	55.0	35.2	34.4	66.6	69.8	65.2	41.7	39.0	45.1	46.5	52.2	55.1	
ACRE- FEET	3380.	2100.	2110	4100.	3870.	4010.	2480.	2400.	2690.	2980.	3210.	3280.	
Remarks:											YEAR OR PERIOD	MEAN	50.6
											ACRE-FEET	36610.	

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 0.6 MILE BELOW SAN GABRIEL DAM AND 2 MILES ABOVE MORRIS DAM. ELEVATION OF GAGE ABOUT 1200 FEET.

CHANNEL AND CONTROL: STATION LOCATED ON SHORT OPEN SECTION OF CONCRETE CHANNEL. THE FLOW OVER THE 25-FOOT WEIR (STATION F250-R) MAY BE SPILLED BEFORE REACHING STATION F220-R, FLOW WHICH REACHES STATION F220-R MAY BE BY-PASSED AROUND THE 25-FOOT WEIR AT STATION F250-R.

DISCHARGE MEASUREMENTS: FROM TOP OF TUNNEL PORTAL.

RECORDER: 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, 1953 TO SEPTEMBER 30, 1955.

RECORDS AVAILABLE: FEBRUARY 26, 1933 TO SEPTEMBER 30, 1955. (SEE RECORDER) (SEE REMARKS)

EXTREMES OF DISCHARGE: FLOW ENTIRELY REGULATED BY TAINTOR GATE SETTING AND VALVE DISCHARGE AT SAN GABRIEL DAM, APPROXIMATE CAPACITY 95 SECOND-Feet.

ACCURACY: EXCELLENT.

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

REMARKS: THIS RECORD REFLECTS FLOW DIVERTED TO THE AZUSA CONDUIT FROM SAN GABRIEL DAM, PUBLISHED HEREWITH ARE RECORDS OF DIVERSION TO THE AZUSA CONDUIT FROM MORRIS DAM FOR 1953-54. THIS RECORD, TOGETHER WITH STATION 220-R, COMPLETE THE RECORDS OF ANNUAL DIVERSION THROUGH THE CONDUIT.

DISCHARGE MEASUREMENTS OF SAN GABRIEL-AZUSA CONDUIT

AT Garcia Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1954

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. IND.	METH. NO.	REAR. SEC. NO.	B. CHARGE	HT. TOTAL	METER NO.
715	10-5	1035 1055	GODFREY	4.5	1.09	0.14	0.24	0.15	.6	10	0		FC50	
716	11-27	0935 0944	DE VORE	4.6	4.64	2.63	1.03	12.2	.65	11	0		FC22	
717	12-4	0950 1000	"	4.6	4.70	2.64	1.04	12.4	.65	11	0		"	
718	12-11	1019 1027	"	4.6	4.69	2.60	1.04	12.2	.7	11	0		"	
719	12-23	0858 0908	"	4.6	4.89	2.58	1.04	12.1	.7	11	0		"	
720	12-29	0949 0958	"	4.6	4.70	2.55	1.04	12.0	.7	11	0		"	
721	1-5	0953 1003	"	4.6	4.70	2.55	1.04	12.0	.7	11	0		"	
722	1-20	1410 1422	"	4.6	4.40	2.39	0.97	10.5	.7	11	0		"	
723	1-27	1027 1045	"	4.6	19.5	4.34	4.26	84.5	.87	11	+02		"	
724	2-3	0958 1020	"	4.6	20.6	4.29	4.51	88.3	.8	11	0		"	
725	2-9	0953 1011	"	4.6	14.5	4.10	3.16	59.5	.8	11	0		"	
726	2-16	1148 1207	"	4.6	19.2	4.28	4.19	82.2	.8	11	+02		"	
727	2-23	1036 1058	"	4.6	21.1	4.23	4.60	89.2	.8	11	0		"	
728	3-2	0930 0949	"	4.6	21.2	4.23	4.63	89.6	.87	11	0		"	
729	3-9	0916 0938	"	4.6	20.4	4.25	4.45	86.6	.87	11	+01		"	
730	3-16	0901 0920	"	4.6	16.6	4.16	3.62	69.0	.87	11	0		"	
731	3-23	1005 1025	"	4.6	19.8	4.26	4.33	84.3	.87	11	0		"	
732	4-6	0936 1031	"	4.6	20.8	4.16	4.54	86.6	.8	11	0		"	
733	4-15	0910 0924	GODFREY	4.6	1.64	0.61	0.36	1.0	FLOATS	0			"	
734	5-12	0951 1010	DE VORE	4.6	10.6	3.83	2.33	40.6	.8	11	0		FC22	
735	5-25	0910 0929	"	4.6	10.5	3.80	2.31	39.9	.8	11	0		"	
736	6-7	0930 0951	"	4.6	10.7	3.72	2.34	39.8	.8	11	0		"	
737	6-24	0917 0949	GODFREY	4.6	10.8	3.66	2.36	39.5	.8	11	0		FC28	
738	7-8	0938 1008	THOMAS	4.6	11.6	3.95	2.54	45.8	.87	11	0		FC51	
739	7-20	0904 0930	DE VORE	4.6	11.8	3.88	2.54	45.0	.8	11	0		FC22	
740	8-3	1007 1031	"	4.6	11.6	3.88	2.53	45.0	.87	11	0		"	
741	8-13	0955 1015	"	4.6	12.7	3.98	2.78	50.6	.87	11	0		"	
742	8-27	0909 0935	"	4.6	12.7	3.98	2.78	50.5	.87	11	0		"	
743	9-10	0915 0935	"	4.6	13.7	4.07	3.00	55.7	.87	11	0		"	
744	9-22	0953 0953	GODFREY	4.6	13.6	3.96	2.95	54.1	.87	11	0		FC28	

DISCHARGE MEASUREMENTS OF SAN GABRIEL - AZUSA CONDUIT

AT Garcia Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1955

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. IND.	METH. NO.	REAR. SEC. NO.	B. CHARGE	HT. TOTAL	METER NO.
745	10-8	0904 0923	DE VORE	4.6	13.6	4.07	2.97	55.4	.8	11	0		FC22	
746	10-15	0929 0951	"	4.6	13.8	4.09	3.01	56.4	.8	11	0		"	
747	10-22	0912 0932	"	4.6	13.6	4.05	2.98	55.1	.87	11	0		"	
748	10-29	0925 0945	"	4.6	13.7	4.05	3.00	55.5	.87	11	0		"	
749	11-5	0909 0930	"	4.6	9.55	3.71	2.09	35.4	.87	11	0		"	
750	11-15	1103 1121	"	4.6	9.60	3.69	2.11	35.4	.87	11	0		"	
751	11-26	0933 0939	"	4.6	9.86	3.60	2.16	35.5	.8	11	0		"	
752	12-3	0925 0945	"	4.6	8.78	3.45	1.93	30.3	.87	11	0		"	
753	12-10	1101 1120	"	4.6	9.90	3.57	2.17	35.3	.87	11	0		"	
754	12-17	0905 0924	"	4.6	9.93	3.55	2.18	35.3	.87	11	0		"	
755	12-24	0914 0933	"	4.6	9.93	3.56	2.18	35.4	.87	11	0		"	
756	1-3	0958 1015	GODFREY	4.6	9.96	3.57	2.19	35.6	.87	11	0		FC28	
757	1-7	0955 1013	DE VORE	4.6	12.1	3.74	2.65	45.3	.87	11	0		FC22	
758	1-14	0930 1019	"	4.6	17.1	4.11	3.74	70.3	.87	11	0		"	
759	1-21	0950 0949	"	4.6	20.2	4.13	4.41	83.5	.87	11	0		"	
760	1-28	0917 0935	"	4.6	20.1	4.11	4.39	82.7	.87	11	0		"	
761	2-4	0941 1001	"	4.6	19.6	4.15	4.29	81.4	.87	11	0		"	
762	2-11	0932 1012	"	4.6	20.0	4.12	4.37	82.5	.87	11	+01		"	
763	2-18	0946 0946	"	4.6	16.5	4.01	3.60	66.2	.87	11	0		"	
764	2-25	0923 0942	"	4.6	16.5	4.03	3.60	66.5	.87	11	0		"	
765	3-4	0911 0931	"	4.6	16.5	3.96	3.60	65.4	.87	11	0		"	
766	3-11	0926 0946	"	4.6	16.4	3.94	3.58	64.6	.87	11	0		"	
767	3-18	0908 0926	"	4.6	16.5	3.96	3.61	65.4	.87	11	0		"	
768	3-25	0956 1014	"	4.6	16.5	3.96	3.61	65.4	.87	11	0		"	
769	4-1	1005 1027	"	4.6	16.6	3.97	3.63	64.3	.87	11	0		"	
770	4-8	0914 0934	DE VORE	4.6	9.99	3.43	2.19	34.2	.87	11	+03		FC22	
771	4-22	0927 0951	"	4.6	10.1	3.50	2.22	35.4	.87	11	0		"	
772	5-6	0944 1002	"	4.6	10.1	3.48	2.21	35.1	.87	11	0		"	
773	5-20	0926 0944	"	4.6	12.1	3.71	2.64	44.9	.87	11	0		"	
774	6-3	0921 0939	"	4.6	12.0	3.72	2.63	44.6	.87	11	0		"	
775	6-17	0907 0926	"	4.6	12.1	3.75	2.65	45.4	.87	11	0		"	
776	7-1	0931 0950	"	4.6	12.0	3.72	2.62	44.6	.87	11	0		"	
777	7-15	0918 0938	"	4.6	12.9	3.84	2.82	49.5	.87	11	0		"	
778	7-29	0950 1000	GODFREY	4.6	12.8	3.87	2.80	49.5	.87	11	0		FC28	
779	8-5	0926 0944	DE VORE	4.6	12.9	3.86	2.83	49.8	.87	11	0		FC22	
780	8-19	0923 0941	"	4.6	13.9	3.97	3.05	55.2	.85	11	0		"	
781	9-6	0959 1017	"	4.6	14.0	3.98	3.06	55.7	.85	11	0		"	
782	9-23	0904 0922	"	4.6	13.8	3.97	3.02	54.8	.85	11	0		"	



FORM Gb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F220-R

Daily discharge, in second-feet of SAN GABRIEL - AZUSA CONDUIT at Garcia Canyon for the year ending September 30, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.4	+	11.8	12.0	8.8	8.9	8.7	0.1	4.0	4.4	4.5	5.0
2	0.4	+	11.8	12.0	8.8	8.8	8.6	0.1	4.0	4.6	4.5	5.0
3	0.4	+	11.8	12.0	8.8	8.6	8.6	0.1	4.0	4.6	4.5	5.4
4	0.4	0.1	12.4	12.0	8.8	8.4	8.7	0.1	4.0	4.6	4.5	5.6
5	0.3	+	12.4	12.0	8.8	8.6	8.7	0.1	4.0	4.6	4.5	5.6
6	0.5		12.2	12.0	8.8	8.7	8.7	0.1	4.0	4.6	4.5	5.6
7	0.5		12.2	12.0	8.8	8.7	8.7	0.1	4.0	4.6	4.5	5.6
8	1.7		12.2	12.2	7.7	8.7	8.6	4.1	4.0	4.6	4.5	5.6
9	1.7		12.2	12.2	6.0	8.6	8.6	4.1	4.0	4.6	4.5	5.6
10	0.4		12.2	12.0	6.0	8.6	8.7	4.2	4.0	4.6	4.5	5.6
11	0.5		12.2	12.0	6.0	7.3	8.6	4.1	4.0	4.6	4.5	5.6
12	+		12.2	12.0	6.0	6.8	8.5	4.1	4.0	4.6	4.5	5.6
13			12.2	12.2	6.0	6.9	8.9	4.1	4.0	4.5	4.9	5.5
14			12.2	17.5	7.6	6.9	0.9	4.1	4.0	4.5	5.0	5.5
15			12.2	2.0	8.8	6.9	1.0	4.2	4.0	4.5	5.1	5.4
16			12.2	2.0	8.7	6.9	0.9	4.2	4.0	4.5	5.1	5.4
17			12.2	2.0	8.9	7.5	0.7	4.0	4.0	4.5	5.1	5.4
18			12.2	2.0	8.9	8.4	0.5	4.0	4.0	4.5	5.1	5.4
19			12.2	5.4	8.9	8.4	0.5	4.0	4.0	4.5	5.1	5.4
20			12.2	4.5	8.9	8.4	0.1	4.0	4.0	4.5	5.1	5.4
21			12.2	3.5	8.0	8.4	0.1	4.0	4.0	4.5	5.1	5.4
22			12.2	3.0	8.8	8.4	0.1	4.1	4.0	4.5	5.1	5.4
23			12.0	5.0	8.8	8.5	0.1	4.0	4.0	4.5	5.1	5.4
24		+	12.0	5.1	8.9	8.6	0.1	4.0	4.0	4.5	5.1	5.4
25		6.1	12.0	3.5	8.9	8.7	0.1	4.0	4.0	4.5	5.1	5.4
26		11.8	12.0	3.8	8.9	8.6	0.1	4.0	4.0	4.5	5.1	5.4
27		11.8	12.0	7.8	8.9	8.6	0.1	4.0	4.0	4.5	5.1	5.4
28		11.8	12.0	8.6	8.9	8.7	0.1	4.0	4.0	4.5	5.1	5.4
29		11.8	12.0	8.8	8.8	8.6	0.1	4.0	4.0	4.5	5.1	5.5
30		11.8	12.0	8.8	8.8	8.5	0.1	4.0	4.0	4.5	5.1	5.5
31	+		12.0	8.8	8.8	8.5	0.1	4.0	4.0	4.5	5.1	5.5
	7.2		374.4	1041.1	2309	2553	1071.2	999.6	1200	1405	1506	1634

MEAN	0.23	2.17	12.1	33.6	82.5	82.4	35.7	32.2	40.0	45.3	48.6	54.5
ACRE-FEET	14.	129.	753.	2060.	4580.	5060.	2120.	1980.	2380.	2790.	2990.	3210.
Remarks:	+ = 0.05 cfs or less											
YEAR OR PERIOD	MEAN 38.8 OR ACRE-FEET 28090.											

FORM Gb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F220-R

Daily discharge, in second-feet of SAN GABRIEL - AZUSA CONDUIT at Garcia Canyon for the year ending September 30, 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5.6	4.7	3.0	3.5	3.2	6.6	6.4	3.5	4.5	4.5	5.0	5.6
2	5.6	3.5	3.0	3.5	3.2	6.6	6.4	3.5	4.5	4.5	5.0	5.6
3	5.6	3.5	3.0	3.6	3.1	6.6	6.4	3.5	4.5	4.5	5.0	5.6
4	5.5	3.5	3.2	3.5	3.1	6.6	6.4	3.5	4.5	4.5	5.0	5.4
5	5.5	3.5	3.5	4.2	3.1	6.6	6.4	3.5	4.5	4.5	5.0	5.4
6	5.5	3.5	3.5	4.5	3.0	6.6	6.4	3.5	4.5	4.4	5.0	5.5
7	5.5	3.5	3.5	4.5	3.0	6.6	6.4	3.5	4.5	4.4	5.0	5.5
8	5.5	3.5	3.5	4.5	6.3	6.6	3.4	3.5	4.5	4.6	5.0	5.5
9	5.5	3.5	3.5	4.5	4.4	6.4	3.5	3.5	4.5	5.1	5.0	5.6
10	5.5	3.5	3.5	5.7	3.9	6.4	3.5	3.4	4.5	5.1	5.0	5.6
11	5.5	3.5	3.5	7.1	6.4	6.4	3.5	3.4	4.5	5.1	5.0	5.6
12	5.5	3.6	3.9	7.1	3.2	6.5	3.5	3.5	4.5	5.0	5.0	5.6
13	5.4	3.6	3.5	7.0	3.1	6.5	3.5	3.5	4.5	5.0	5.0	5.6
14	5.4	3.6	3.5	7.0	3.1	6.5	3.5	3.5	4.5	5.0	5.0	5.6
15	5.5	3.6	3.5	6.9	7.3	6.5	3.5	3.5	4.5	5.0	5.0	5.5
16	5.6	3.5	3.5	6.2	6.5	6.5	3.5	3.5	4.5	5.0	4.9	5.5
17	5.6	3.5	3.5	7.0	6.6	6.5	3.6	3.5	4.5	5.0	4.9	5.5
18	5.6	3.5	3.5	7.9	6.6	6.5	3.5	3.5	4.5	5.0	5.3	5.5
19	5.6	3.5	3.5	8.5	6.7	6.6	3.5	4.0	4.5	4.9	5.5	5.5
20	5.5	3.5	3.5	8.3	6.7	6.6	4.7	4.5	4.5	5.0	5.6	5.5
21	5.5	3.5	3.5	8.3	6.6	6.6	3.5	4.5	4.5	5.0	5.5	5.5
22	5.5	3.5	3.5	8.3	6.6	6.6	3.5	4.5	4.5	4.9	5.5	5.5
23	5.5	3.5	3.5	8.3	6.6	6.5	3.5	4.5	4.5	4.9	5.5	5.5
24	5.5	3.5	3.5	8.4	6.6	6.5	3.5	4.5	4.5	5.0	5.5	5.5
25	5.4	3.5	3.5	8.3	6.6	6.5	3.5	4.5	4.5	5.0	5.5	5.5
26	5.4	3.5	3.5	8.3	6.6	6.5	3.6	4.5	4.5	5.0	5.5	5.5
27	5.4	3.5	3.5	8.3	6.6	6.5	3.5	4.5	4.5	5.0	5.5	5.4
28	5.5	3.5	3.5	8.3	6.6	6.5	3.4	4.5	4.5	5.0	5.5	5.4
29	5.5	3.2	3.5	8.2	6.6	6.5	3.4	4.5	4.5	5.0	5.5	5.4
30	5.5	3.0	3.5	8.2	6.6	6.4	3.4	4.5	4.5	5.0	5.5	5.4
31	5.4		3.5	8.2	6.4	6.4	4.5	4.5	4.5	5.0	5.5	5.4
	1706	1059	1067	2069	1953	2021	1245	1208	1350	1509	1616	1649

MEAN	55.0	35.3	34.4	66.7	69.8	65.2	41.5	39.0	45.0	48.7	52.1	55.0
ACRE-FEET	3380.	2100.	2120.	4100.	3870.	4010.	2470.	2400.	2680.	2990.	3210.	3270.
Remarks:	YEAR OR PERIOD MEAN 50.6 OR ACRE-FEET 36600.											

FD-144 (b) 12-53

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, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	88	0	0	0	0
2	0	0	0	0	0	0	0	88	0	0	0	0
3	0	0	0	0	0	0	0	88	0	0	0	0
4	0	0	0	0	0	0	0	56	0	0	0	0
5	0	0	0	0	0	0	0	41	0	0	0	0
6	0	0	0	0	0	0	0	40	0	0	0	0
7	0	0	0	0	0	0	0	16	0	0	0	0
8	0	0	0	0	0	0	0	10	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	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	59	0	0	0	0
14	0	0	0	0	0	0	0	88	0	0	0	0
15	0	0	0	0	0	0	0	88	0	0	0	0
16	0	0	0	0	0	0	0	88	0	0	0	0
17	0	0	0	0	0	0	0	88	0	0	0	0
18	0	0	0	0	0	0	0	88	0	0	0	0
19	0	0	0	0	0	0	0	88	0	0	0	0
20	0	0	0	0	0	0	0	88	0	0	0	0
21	0	0	0	0	0	0	0	88	0	0	0	0
22	0	0	0	0	0	0	0	88	0	0	0	0
23	0	0	0	0	0	0	0	88	0	0	0	0
24	0	0	0	0	0	0	0	88	0	0	0	0
25	0	0	0	0	0	0	0	88	0	0	0	0
26	0	0	0	0	0	0	0	88	0	0	0	0
27	0	0	0	0	0	0	0	88	0	0	0	0
28	0	0	0	0	0	0	0	88	0	0	0	0
29	0	0	0	0	0	0	0	88	0	0	0	0
30	0	0	0	0	0	0	0	88	0	0	0	0
31	0	0	0	0	0	0	0	88	0	0	0	0
	0	0	0	0	0	0	1505	417	0	0	0	0
MEAN							51.8	13.5				
ACRE-FOOT							3080	827				

Remarks:

YEAR OR PERIOD MEAN 5.40  
ACRE-FOOT 3910

STATION U 8-R  
SAN GABRIEL RIVER below Morris Dam

LOCATION: WATER-STAGE RECORDER, LAT. 34 16 16 , LONG. 117 53 16 . IN SW 1/4 SEC. 13, T.1N., R.16W., 1 MILE DOWNSTREAM FROM MORRIS DAM AND 3 MILES NORTHEAST OF AZUSA. ALTITUDE OF GAGE 867.95 FEET.

DRAINAGE AREA: 211 SQUARE MILES.

RECORDS AVAILABLE: 1894 TO SEPTEMBER 1955.

AVERAGE DISCHARGE:  
60 YEARS, 153 SECOND-FOOT. AVERAGE COMBINED DISCHARGE OF RIVER AND DIVERSIONS - ADJUSTED FOR STORAGE AND EVAPORATION IN MORRIS, SAN GABRIEL AND COGSWELL RESERVOIRS.

EXTREMES OF DISCHARGE:  
1953-54  
MAXIMUM DISCHARGE DURING YEAR 5420 SECOND-FOOT APRIL 16.  
MINIMUM DAILY . NO FLOW MOST OF YEAR.  
1954-55  
MAXIMUM DISCHARGE 16 SECOND-FOOT SEPTEMBER 26.  
MINIMUM NO FLOW MOST OF YEAR.  
1894-1955  
MAXIMUM DISCHARGE 65700 SECOND-FOOT MARCH 2, 1936. BY COMPUTATION OF FLOW OVER SPILLWAY AT MORRIS DAM.  
MINIMUM NO FLOW FOR SEVERAL MONTHS IN MOST YEARS.

REMARKS: RECORDS GOOD. FLOW REGULATED BY FLOOD CONTROL DISTRICT'S SAN GABRIEL AND COGSWELL RESERVOIRS, AND BY MORRIS RESERVOIR OF METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA. AZUSA CANAL (FORMERLY POWER CANAL OF SOUTHERN CALIFORNIA EDISON COMPANY) DIVERTS ABOVE HIGH-WATER LINE OF MORRIS RESERVOIR AT A POINT ABOUT 3 MILES ABOVE STATION. THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA DISCHARGED 1100 ACRE-FOOT OF COLORADO RIVER WATER INTO SAN GABRIEL RIVER BELOW MORRIS DAM AND ABOVE STATION DURING PERIOD OCTOBER AND NOVEMBER, 1953 AND JULY 1954, AND 401 ACRE-FOOT DURING APRIL THROUGH SEPTEMBER 1955.

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

NORMAL, UNREGULATED FLOW: COMBINED RUNOFF OF RIVER AND AZUSA CANAL, ADJUSTED FOR STORAGE AND EVAPORATION IN MORRIS, SAN GABRIEL AND COGSWELL RESERVOIRS, USING RECORDS FURNISHED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT. THESE FIGURES OF RUNOFF ARE EQUIVALENT TO COMBINED RECORDS OF SAN GABRIEL RIVER AND SOUTHERN CALIFORNIA EDISON COMPANY'S CANAL AS PUBLISHED FROM 1894 TO 1933.

MONTH	1953-54 A.F.	1954-55 A.F.
OCTOBER	692	1260
NOVEMBER	900	2130
DECEMBER	1030	2360
JANUARY	9600	4650
FEBRUARY	9000	4900
MARCH	11260	5630
APRIL	15430	4310
MAY	5930	6710
JUNE	3230	3160
JULY	1950	2020
AUGUST	1490	1370
SEPTEMBER	1140	1040
TOTALS	61910 A.F.	40070 A.F.

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER  
 below Morris Dam DURING THE YEAR ENDING SEPTEMBER 30, 1954

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. NO.	S. HT. DISCHARGE TOTAL	METER NO.
2155	10-1	1030 1050	MOON	12.5	15.4	1.33	5.21	20.5	+6	14	0	FC29
2156	10-1		U.S.G.S.	13.3	15.9	0.97	5.20	15.4	+6	14	+0.005	
2157	10-15	0930 0945	STUNDEN	13.0	15.4	1.08	5.15	16.6	+6	13	0	FC36
2158	10-22		U.S.G.S.	12.7	15.5	0.83	5.15	12.9	+6	14	0	
2159	10-29	1030 1048	STUNDEN	13.5	16.8	1.02	5.16	17.1	+6	11	0	FC36
2160	11-5	1250 1310	"	12.5	14.6	0.75	5.05	10.9	+6	15	0	FC50
2161	11-5		U.S.G.S.	12.8	14.8	0.67	5.05	9.87	+6	14	0	
2162	11-12	0900 0920	STUNDEN	12.7	15.0	0.73	5.06	11.0	+6	16	0	FC50
2163	11-18		U.S.G.S.	12.8	15.0	0.71	5.06	10.7	+6	13	0	
2164	11-19	1100 1120	STUNDEN	12.5	14.7	0.76	5.06	11.1	+6	14	0	FC50
2165	11-25	0950 1000	"	12.5	15.0	0.63	5.01	9.42	+6	14	-.02	"
2166	3-4		U.S.G.S.	2.5	0.66	0.28	3.39	0.18	+5	11	-.01	
2167	4-8		"	2.3	0.60	0.87	3.50	0.52	+5	14	-.01	
2168	4-14		"	102.5	185.	3.07	6.99	567.	+6	28	0	
2169	4-19		"	90.0	164.	4.02	7.02	658.	+6	25	0	
2170	4-19		"	90.0	164.	3.36	7.02	551.	+6	25	0	
2171	4-28		"	62.0	63.1	1.33	5.66	83.8	+5	34	-.01	
2172	5-5		"	102.5	164.	2.43	6.72	400.	+6	34	+0.08	

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER  
 below Morris Dam DURING THE YEAR ENDING SEPTEMBER 30, 1955

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. NO.	S. HT. DISCHARGE TOTAL	METER NO.	
2173	9-19		U.S.G.S.	12.5	11.5	0.48	4.94	5.53	+5	16	-.02		
2174	9-25		"				CHANNELS	5.06	10.3	+6	17	0	
	10-5		"					NO FLOW					

FORM Cb 12-53

LOS ANGELES COUNTY  
 FLOOD CONTROL DISTRICT  
 HYDRAULIC DIVISION

Sta. No. US-R

Daily discharge, in second-feet of SAN GABRIEL RIVER below Morris Dam for the year ending September 30, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.7	1.5	0	0	0.4	0.5	0.7	6.3	0	0	0	0
2	1.7	1.5	0	0	0.4	0.5	0.7	5.1	0	0	0	0
3	1.4	1.3	0	0	0.4	0.4	0.7	4.5	0	0	0	1.6
4	1.4	1.0	0	0	0.4	0.2	0.7	1.34	0	0	0	0.5
5	1.3	1.1	0	0	0.4	0	0.6	4.69	0	0	2.3	0
6	1.5	1.0	0	0	0.3	0	0.6	4.35	0	0	1.4	0
7	1.5	1.0	0	0	0.2	0	0.6	9.16	0	0	0.4	0
8	1.5	1.0	0	0	0.2	0	0.5	9.60	0	0	0	0
9	1.5	1.1	0	0	0.1	0	5.3	9.39	0	0	0	0
10	1.5	1.1	0	0	0	0	23.7	9.25	0	0	0	0
11	1.5	1.1	0	0	0	0	4.26	9.04	0	0	0	4.3
12	1.5	1.1	0	0	0	0	4.72	8.6	0	0	0	0.4
13	1.5	1.1	0	0	0.2	0	4.72	0.7	0	0	0	0
14	1.5	1.1	0	0	1.1	0	5.66	0	0	0	0	0
15	1.4	1.1	0	0	0.7	0	5.66	0	0	0	0	0
16	1.4	1.1	0	0	0.7	0	6.27	0	0	0	0	0
17	1.4	1.1	0	0	0.6	0	5.38	0	0	0	0	0
18	1.4	1.1	0	0	0.5	0	5.49	0	0	0	0	0
19	1.4	1.1	0	0	0.6	0	4.25	0	0	0	0	0
20	1.4	1.1	0	0	0.6	0	1.59	0	0	0	0	0
21	1.4	1.1	0	0	0.6	0	1.27	0	0	0	0	0
22	1.4	1.1	0	0	0.5	0	1.14	0	0	0	0	0
23	1.4	1.0	0	0	0.4	0	1.05	0	0	0	0	0
24	1.4	1.0	0	0	0.4	0	1.95	0	0	0	0	0
25	1.4	1.0	0	0.6	0.4	0.2	8.7	0	0	0	0	0
26	1.4	0.2	0	1.0	0.4	0.7	8.1	0	0	0	0	0
27	1.4	0	0	0.7	0.4	0.8	7.7	0	0	0	0	0
28	1.5	0	0	0.4	0.4	0.7	7.9	0	0	0	0	0
29	1.5	0	0	0.3	0.7	0.7	7.0	0	0	0	0	0
30	1.5	0	0	0.4	1.4	1.4	6.8	0	0	4.7	0	0
31	1.5	0	0	0.4	1.0	1.0	0	0	0	0	0	0
4.52      275.0      0      3.8      11.3      7.1      5899.1      0      16.7      21.2												
MEAN	14.6	9.17	0	0.12	0.40	0.23	197.	191.	0	0.15	0.54	0.71
ACRE- FEET	897	545.	0	7.5	22.	14.	11700.	11760.	0	9.3	33.	42.

Remarks:

YEAR OR PERIOD MEAN ACRE-FEET 34.6  
25030.

76074 Cb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. 148-R

Daily discharge, in second-feet of SAN GABRIEL RIVER below Morris Dam, for the year ending September 30, 1955

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	4.1	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	0.4	0
8	0	0	0	0	0	0	0	0	0	0	2.5	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	4.8
19	0	0	0	0	0	0	0	0	0	0	0	5.2
20	0	0	0	0	0	0	0	0	0	0	0	0.6
21	0	0	0	0	0	0	0	0	0	0	6.9	0
22	0	0	0	0	0	0	0	0	0	0	3.1	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	0.9
25	0	0	0	0.1	0	0	0	0	0	0	0	0
26	0	0	0	0.2	0	0	0	0	0	0	0	4.2
27	0	0	0	0.1	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0.4	0	0	0	0	0	0	17.0	25.6
MEAN	0	0	0	0.01	0	0	0	0	0	0	0.55	0.65
ACRE- FEET	0	0	0	0.6	0	0	0	0	0	0	34.	51.

Remarks:

YEAR OR PERIOD MEAN ACRE-FEET  
0.12  
66.

STATION S100A-R  
SAN GABRIEL-AZUSA-DUARTE TUNNEL DIVERSION  
at Mouth of Canyon

LOCATION: WATER-STAGE RECORDER, LAT. 34°09'33", LONG. 117°54'27". AT WEIR BOX AT THE DOWNSTREAM PORTAL OF THE AZUSA-DUARTE TUNNEL ABOUT 250 FEET SOUTH OF THE CANYON ROAD AT THE MOUTH OF SAN GABRIEL CANYON. ELEVATION OF GAGE ABOUT 750 FEET.

GENERAL: THIS STATION MEASURES ALL FLOW DIVERTED BY THE SAN GABRIEL WATER COMMITTEE AT THE MOUTH OF SAN GABRIEL CANYON.

CHANNEL AND CONTROL: CONCRETE WEIR BOX WITH BROAD-CRESTED WEIRS. THESE WEIRS CAN DIVIDE THE FLOW BETWEEN THE EAST SIDE SPREADING GROUNDS AND THE DUARTE SPREADING GROUNDS. EITHER SIDE CAN BE DIVERTED FOR IRRIGATION.

REGULATION: RIVER FLOW AT THE CANYON MOUTH IS PARTIALLY REGULATED BY MORRIS DAM, SAN GABRIEL DAM AND COGSWELL DAM. THE DIVISION OF THE DIVERTED FLOW CAN BE REGULATED AT THE WEIRS BY INSERTING CONSTRICTIONS.

RECORDS AVAILABLE: THE TUNNEL WAS CONSTRUCTED IN 1887. RECORDS OF DIVERSION SINCE 1918 ARE AVAILABLE AT THE OFFICE OF THE SAN GABRIEL RIVER WATER COMMITTEE, AZUSA.

ACCURACY: EXCELLENT.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE SAN GABRIEL RIVER WATER COMMITTEE.

REMARKS: THESE RECORDS WERE FURNISHED BY MR. MAURICE D. JONES, WATER MASTER OF THE SAN GABRIEL RIVER WATER COMMITTEE, PUBLISHED HEREWITH ARE THE RECORDS FROM OCTOBER 1, 1953 TO SEPTEMBER 30, 1955. 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, 1954

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.	Q. HT. GAUGE TOTAL	METER NO.
175	10-1	1110 1130	MOON	5.7	12.4	1.35	0.57	16.7		.2 .8	7	0	FC29
176	10-5	1500 1515	MOON - JONES		CHANNELS		0.55	14.1		.6	11	0	"
177	10-12	1245 1300	STUNDEN	5.2	11.0	1.32	0.55	14.5		.2 .8	8	0	FC50
178	10-15	0930 0845	"	5.2	11.1	1.21	0.55	13.4		.2 .8	8	0	"
179	10-19	1210 1230	"	5.2	11.1	1.33	0.56	14.8		.2 .8	8	+.01	FC36
180	10-23	0940 0950	STUNDEN - JONES	5.2	11.1	1.33	0.56	14.8		.2 .8	8	0	FC50
181	10-26	0930 1000	STUNDEN		CHANNELS		0.55	14.6		.5 .6	19	0	"
182	10-29	0845 0915	STUNDEN - JONES	5.5	11.8	1.20	0.55	14.2		.2 .8	12	0	"
183	10-29	0950 1015	"		CHANNELS		0.55	14.2		.5 .6	13	+.01	FC36
184	11-2	1235 1305	STUNDEN	5.9	12.5	1.12	0.55	14.1		.2 .8	13	0	FC50
185	11-5	1050 1110	STUNDEN - JONES	5.9	11.9	0.78	0.43	9.3		.2 .8	14	0	"
186	11-9	0940 1000	STUNDEN	5.9	11.9	0.76	0.41	9.0		.2 .8	13	0	"
187	11-12	1145 1215	"		CHANNELS		0.42	9.3		.6	20	0	"
188	11-16	1330 1400	STUNDEN - JONES				0.43	9.4		.5 .6	20	0	"
189	11-19	1200 1250	STUNDEN				0.41	9.1		.6	20	0	"
190	11-23	1220 1240	"				0.41	9.2		.5 .6	20	0	"
191	11-25	0820 0840	STUNDEN - JONES				0.41	9.0		.5 .6	21	0	"
192	11-27	1200	STUNDEN					1.9					RECT. WEIR
193	4-22	0910 0925	WHISLER	5.4	7.52	2.94	0.68	22.1		.6	9	0	FC5
194	4-22	1020 1045	"		CHANNELS		0.68	20.0		.6	19	0	"
195	4-26	0847 0910	"	10.5	12.4	2.61	0.94	32.4		.6	15	0	"
196	4-28	0903 0928	"		CHANNELS		0.93	32.5		.6	20	0	"
197	4-30	0940 1010	"	13.0	12.1	2.45		29.7		.6	21	0	"
198	5-3	0935 0955	"	10.7	10.6	2.21	0.76	23.4		.6	14	0	"
199	5-5	1245 1305	"	5.4	9.47	3.97		37.6		.5 .8	8	0	FC5

FORM 6b 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. S100A-R

Daily discharge, in second-feet of SAN GABRIEL - AZUSA - DUARTE TUNNEL DIVERSION at Mouth of Canyon for the year ending September 30, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	15.2	14.4	0	0	0	0	0	2.5	0	0	0	0
2	15.8	14.4	0	0	0	0	0	2.3	0	0	0	0
3	15.8	13.4	0	0	0	0	0	2.2	0	0	0	0
4	15.8	9.3	0	0	0	0	0	1.7	4	0	0	0
5	9.6	9.7	0	0	0	0	0	2.4	0	0	0	0
6	14.8	9.5	0	0	0	0	0	0	0	0	0	0
7	15.2	9.3	0	0	0	0	0	0	0	0	0	0
8	14.4	9.3	0	0	0	0	0	0	0	0	0	0
9	14.4	9.1	0	0	0	0	0	0	0	0	0	0
10	14.4	9.5	0	0	0	0	0	0	0	0	0	0
11	14.4	9.1	0	0	0	0	0	0	0	0	0	0
12	14.4	9.1	0	0	0	0	0	0	0	0	0	0
13	14.4	9.1	0	0	0	0	0	0	0	0	0	0
14	14.4	10.7	0	0	0	0	0	0	0	0	0	0
15	14.4	9.9	0	0	0	0	0	0	0	0	0	0
16	14.4	9.5	0	0	0	0	0	0	0	0	0	0
17	14.4	9.5	0	0	0	0	0	0	0	0	0	0
18	14.4	9.1	0	0	0	0	0	0	0	0	0	0
19	14.4	9.1	0	0	0	0	0	0	0	0	0	0
20	14.4	9.1	0	0	0	0	0	0	0	0	0	0
21	14.4	9.1	0	0	0	0	0	0	0	0	0	0
22	14.4	9.1	0	0	0	0	1.0	0	0	0	0	0
23	14.8	9.1	0	0	0	0	2.0	0	0	0	0	0
24	14.8	9.1	0	0	0	0	3.0	0	0	0	0	0
25	14.8	7.5	0	0	0	0	3.5	0	0	0	0	0
26	14.8	4.1	0	0	0	0	4.0	0	0	0	0	0
27	14.0	2.5	0	0	0	0	3.4	0	0	0	0	0
28	14.8	1.7	0	0	0	0	3.1	0	0	0	0	0
29	14.8	1.7	0	0	0	0	3.1	0	0	0	0	0
30	14.8	1.1	0	0	0	0	3.3	0	0	0	0	0
31	14.8	0	0	0	0	0	0	0	0	0	0	0
	450.8	257.1	0	0	0	0	278.0	112.4	0	0	0	0

MEAN	14.5	8.57	0	0	0	0	9.27	3.63	0	0	0	0
ACRE- FEET	894.	510.	0	0	0	0	551.	223.	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN ACRES- FEET 3.03 2180.

STATION F190-R  
SAN GABRIEL RIVER at Foothill Boulevard

LOCATION: WATER-STAGE RECORDER, LAT. 34°08'13", LONG. 117°56'32", ON THE DOWN-STREAM 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, 1953 TO SEPTEMBER 30, 1955. AN AUXILIARY STILLING WELL IS MAINTAINED ON THE WEST SIDE OF THE CHANNEL.

REGULATION: FLOW PARTIALLY REGULATED BY COGSWELL DAM, SAN GABRIEL DAM AND MORRIS DAM.

DIVERSIONS: THERE ARE DIVERSIONS FOR IRRIGATION, POWER DEVELOPMENT AND SPREADING.

RECORDS AVAILABLE: STREAM MEASUREMENTS STARTING FEBRUARY 22, 1932, RECORDER RECORDS FROM APRIL 25, 1932 TO SEPTEMBER 30, 1955. (FOR RECORDS PRIOR TO FEBRUARY 22, 1932, SEE DIVISION OF WATER RIGHTS BULLETINS.)

EXTREMES OF DISCHARGE:

1953-54  
MAXIMUM 2160 SECOND-FEET APRIL 16.  
MINIMUM NO FLOW MOST OF YEAR.

1954-55  
MAXIMUM 12 SECOND-FEET JANUARY 18.  
MINIMUM NO FLOW MOST OF YEAR.

1932-55  
MAXIMUM 62,000 SECOND-FEET ESTIMATED MARCH 2, 1938.  
MINIMUM NO FLOW AT TIMES EACH YEAR.

ACCURACY: FAIR.

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

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER

AT Foothill Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 19 54

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. INR	METH. DO	MEAN REC. NO.	D. HT. CHANGE TOTAL	METER NO.
572	1-27	1137 1146	STUNDEN-MURPHY	42.0	13.5	1.07	1.55	14.4	.6	11	0	FC36	
574	2-5	1105 1120	STUNDEN	40.5	11.2	0.77	1.50	8.6	.5	11	0	"	
575	2-11	0810 0820	"	10.0	1.05	0.36	1.24	0.38	.5	6	0	FC50	
576	2-27	1220 1235	"	CHANNELS		1.48	11.1		.5	10	0	"	
577	3-4	0825 0835	"	"		1.46	9.9		.5	10	0	"	
578	3-10	1320 1330	"	"		1.45	9.9		.5	10	0	"	
579	3-17	1050 1057	STUNDEN-MURPHY	"	"	1.47	10.0		.6	10	0	"	
580	3-20	0737 0748	"	"	"	1.56	23.5		.6	16	0	"	
581	3-24	1300 1330	STUNDEN	"	"	1.58	26.5		.5	18	0	"	
582	4-2	1535 1550	WHISLER	"	"	1.57	21.7		.6	9	0	FC36	
583	4-8	0830 0845	STUNDEN	39.0	9.11	0.68	1.43	6.2	.5	11	0	FC50	
584	4-11	1225 1240	STUNDEN-WHISLER	CHANNELS		2.05	208.		.6	66	0	FC12	
585	4-12	1335 1415	"	"	"	2.27	398.		.6	49	0	"	
586	4-18	0625 0910	"	"	"	2.45	542.		.6	31	0	"	
587	4-19	0822 0905	"	"	"	2.46	562.		.6	31	0	"	
588	4-21	0805 0850	STUNDEN	176.6	81.5	1.55	1.94	126.	.6	23	0	"	
589	4-22	1205 1305	WHISLER	CHANNELS		1.85	90.0		.6	47	0	FC5	
590	4-23	1525 1620	"	"	"	1.78	64.6		.6	43	0	"	
591	4-24	1020 1060	STUNDEN	"	"	1.75	65.2		.5	25	0	FC50	
592	4-26	1200 1245	WHISLER	"	"	1.71	44.6		.6	38	0	FC5	
593	4-30	1155 1230	"	"	"	1.65	32.6		.6	37	0	"	
594	5-3	1120 1145	"	"	"	1.54	17.4		.6	20	0	"	

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INR	METH. DO	MEAN REC. NO.	D. HT. CHANGE TOTAL	METER NO.
595	5-5	0815 0910	"	190.	171.	2.82	2.42	483.	.6	43	0	"	
596	5-5	1700 1740	"	186.	149.	2.32	2.28	346.	.6	30	0	"	
597	5-6	1045 1130	WHISLER	190.	157.	2.36	2.33	371.	.6	32	0	FC5	
598	6-7	1300 1405	WHISLER-THOMAS	194.	248.	3.68	2.72	913.	.6	44	0	"	
599	5-8	1308 1408	WHISLER-HYDE	195.	233.	3.62	2.68	842.	.6	44	0	"	
600	5-10	1215 1252	"	196.	232.	3.55	2.67	823.	.6	30	0	"	
601	5-11	1250 1350	HYDE-WHISLER	193.	231.	3.51	2.66	811.	.6	35	0	FC35	
602	5-12	1015 1032	WHISLER	CHANNELS			1.63	28.4	.6	19	+02	FC5	
603	5-12	1432 1442	"	"	"		1.46	8.6	.6	15	0	"	

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER

AT Foothill Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 19 55

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. INR	METH. DO	MEAN REC. NO.	D. HT. CHANGE TOTAL	METER NO.
604	1-19	0810 0825	STUNDEN	CHANNELS			1.40	4.4	.5	8	0	FC36	

FORM Cb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F190-R

Daily discharge, in second-feet of SAN GABRIEL RIVER at Foothill Boulevard for the year ending September 30, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	10	11	26	28	0	0	0	0
2	0	0	0	0	8.8	11	23	20	0	0	0	0
3	0	0	0	0	8.8	10	20	15	0	0	0	0
4	0	0	0	0	8.8	9.5	19	39	0	0	0	0
5	0	0	0	0	8.8	9.5	17	39	0	0	0	0
6	0	0	0	0	8.1	9.5	12	36	0	0	0	0
7	0	0	0	0	7.4	9.5	7.4	73.4	0	0	0	0
8	0	0	0	0	5.2	10	4.2	84.8	0	0	0	0
9	0	0	0	0	0.3	10	6.2	83.2	0	0	0	0
10	0	0	0	0	0.2	10	18.2	81.6	0	0	0	0
11	0	0	0	0	0.2	6.7	23.3	81.6	0	0	0	0
12	0	0	0	0	0.2	4.2	30.4	18.4	0	0	0	0
13	0	0	0	0	3.8	3.8	28.8	+	0	0	0	0
14	0	0	0	0	5.6	3.8	42.4	0	0	0	0	0
15	0	0	0	0	3.8	3.8	45.6	0	0	0	0	0
16	0	0	0	0	2.8	7.4	50.2	0	0	0	0	0
17	0	0	0	0	2.2	1.0	52.2	0	0	0	0	0
18	0	0	0	0	2.0	1.4	52.9	0	0	0	0	0
19	0	0	0	15	17	19	47.1	0	0	0	0	0
20	0	0	0	7.4	17	28	13.7	0	0	0	0	0
21	0	0	0	+	15	30	11.6	0	0	0	0	0
22	0	0	0	+	14	28	8.6	0	0	0	0	0
23	0	0	0	+	11	28	7.2	0	0	0	0	0
24	0	0	0	7.9	11	26	6.2	0	0	0	0	0
25	0	0	0	18.4	11	30	5.2	0	0	0	0	0
26	0	0	0	18	11	24	4.3	0	0	0	0	0
27	0	0	0	15	11	20	3.9	0	0	0	0	0
28	0	0	0	14	11	19	4.2	0	0	0	0	0
29	0	0	0	13	11	20	3.8	0	0	0	0	0
30	0	0	0	11	11	31	3.5	0	0	0	0	0
31	0	0	0	11	11	32	3.2	0	0	0	0	0
	0	0	0	297.3	397.6	508.7	4764.8	504.2	0	0	0	0

MEAN	0	0	0	9.59	14.2	16.4	159.	164.	0	0	0	0
ACRE- FEET	0	0	0	590.	789.	1010.	9450.	10080.	0	0	0	0

Remarks: + = 0.05 cfs or less

YEAR OR PERIOD MEAN ACRE-FEET 30.3 21920.

FORM Cb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F190-R

Daily discharge, in second-feet of SAN GABRIEL RIVER at Foothill Boulevard for the year ending September 30, 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0.7	+	0	0	0	0	0	0
2	0	0	0	0	0.4	+	0	0	0	0	0	0
3	0	0	0	0	0.2	+	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	0.1	0	0	0	0	0	0
6	0	0	0	0	0.1	0	0	0	0	0	0	0
7	0	0	0	0	0.1	+	0	0	0	0	0	0
8	0	0	0	0	0.1	+	0	0	0	0	0	0
9	0	0	0	0	0.2	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
12	0	0	0	0	0.4	+	0	0	0	0	0	0
13	0	0	0	0	0.6	0	0	0	0	0	0	0
14	0	0	0	0	0.4	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
17	0	0	0	0	+	+	0	0	0	0	0	0
18	0	0	0	3.1	+	0	0	0	0	0	0	0
19	0	0	0	3.8	+	0	0	0	0	0	0	0
20	0	0	0	0.2	+	0	0	0	0	0	0	0
21	0	0	0	0.7	+	0	0	0	0	0	0	0
22	0	0	0	0.7	+	0	0	0	0	0	0	0
23	0	0	0	0.7	0	0	0	0	0	0	0	0
24	0	0	0	0.7	0	0	0	0	0	0	0	0
25	0	0	0	0.7	0	0	0	0	0	0	0	0
26	0	0	0	0.7	+	0	0	0	0	0	0	0
27	0	0	0	0.7	+	0	0	0	0	0	0	0
28	0	0	0	0.7	+	0	0	0	0	0	0	0
29	0	0	0	0.6	+	0	0	0	0	0	0	0
30	0	0	0	0.6	+	0	0	0	0	0	0	0
31	0	0	0	1.2	+	0	0	0	0	0	0	0
	0	0	0	15.0	3.7	0.1	0	0	0	0	0	0

MEAN	0	0	0	0.48	0.13	+	0	0	0	0	0	0
ACRE- FEET	0	0	0	30.	7.3	.20	0	0	0	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN ACRE-FEET 0.05 38.





STATION F191B-R  
SAN GABRIEL RIVER at Garvey Avenue

LOCATION: WATER-STAGE RECORDER LAT.  $34^{\circ}03'46''$ , LONG.  $118^{\circ}00'18''$ , ON THE RIGHT (WEST) BANK ABOUT 250 FEET BELOW GARVEY AVENUE BRIDGE. ELEVATION OF ZERO GAGE HEIGHT APPROXIMATELY 288.0 FEET.

DRAINAGE AREA: 7.19 SQUARE MILES.

CHANNEL AND CONTROL: SAND AND GRAVEL, SUBJECT TO CUT AND FILL, NO ARTIFICIAL CONTROL.

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

RECORDER: INSTALLED ON OCTOBER 17, 1951 OVER AN 18-INCH DIAMETER CORRUGATED IRON PIPE STILLING WELL. AN H.C.F. RECORDER WAS IN SERVICE FROM OCTOBER 1, 1953 TO SEPTEMBER 30, 1955.

RECORDS AVAILABLE: OCTOBER 17, 1951 TO SEPTEMBER 30, 1955.

EXTREMES OF DISCHARGE:

1953-54

NO FLOW ENTIRE YEAR.

1954-55

NO FLOW ENTIRE YEAR.

1951-55

MAXIMUM 290 SECOND-FEET NOVEMBER 7, 1952.

MINIMUM NO FLOW MOST OF TIME.

ACCURACY: FAIR.

STATION F314-R  
SAN GABRIEL BY-PASS CHANNEL  
above Whittier Narrows Dam Structure

LOCATION: WATER STAGE RECORDER ON THE LEFT (EAST) BANK OF THE CHANNEL, 500 FEET BELOW DIVERSION HEAD WORKS.

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

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

RECORDER: A STEVENS TYPE L RECORDER IN SERVICE DURING PERIODS OF OPERATION. INSTALLED OVER A 21 INCH CORRUGATED IRON PIPE STILLING WELL.

REGULATION: FLOW REGULATED AT HEADWORKS (INSTALLED TO DIVERT WATER TO SAN GABRIEL SPREADING GROUNDS).

ACCURACY: FAIR.

REMARKS: USED ONLY FOR ZONE I PURCHASED WATER DIVERTED TO SAN GABRIEL SPREADING GROUNDS.

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

DISCHARGE MEASUREMENTS OF SAN GABRIEL BYPASS CANAL  
below Headworks - Whittier Narrows Dam DURING THE YEAR ENDING SEPTEMBER 30, 1954

DISCHARGE MEASUREMENTS OF SAN GABRIEL BY-PASS CANAL  
below Headworks, Whittier Narrows Dam DURING THE YEAR ENDING SEPTEMBER 30, 1955

NO.	DATE	RESIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. ING	METH. NO.	W. HT. CHANGE TOTAL	METER NO.
1	8-8	0955 1010	WADDICOR-SPELLMAN	16.0	31.1	0.83	3.83	25.9	.6	9	+0.02	FC37
2	8-8	1132 1140	" "	14.2	14.4	2.85	4.00	41.0	.6	10	+0.04	"
3	8-8	1535 1545	" "	16.5	20.3	2.86	4.11	58.1	.6	10	+0.02	"
4	8-9	0840 0851	WADDICOR DE MARS	15.7	23.5	2.66	3.89	62.5	.6	11	0	"
5	8-9	1355 1405	" "	14.8	23.2	2.57	3.80	59.7	.6	12	0	"
6	8-10	0955 1008	" "	16.2	24.8	2.72	3.84	67.5	.6	13	0	"
7	8-10	1609 1615	" "	16.6	22.0	2.35	3.62	51.7	.6	11	0	"
8	8-11	0940 0950	" "	16.1	24.9	2.59	3.75	64.4	.6	12	0	"
9	8-12	0932 0945	WADDICOR-SPELLMAN	15.8	24.3	2.54	3.67	61.8	.6	12	0	"
10	8-13	0925 0939	" "	15.9	24.0	2.55	3.63	61.2	.6	13	0	"
11	8-14	0923 0944	WADDICOR-ARELLANES	15.7	23.6	2.39	3.63	56.4	.6	13	0	"
12	8-15	0910 0927	" "	15.6	23.3	2.38	3.59	55.4	.6	12	0	"
13	8-16	0935 0948	WADDICOR	15.4	22.2	2.50	3.54	55.4	.6	11	0	"
14	8-17	0915 0932	WADDICOR-ARELLANES	15.4	22.0	2.37	3.49	52.2	.6	12	0	"
15	8-18	0915 0930	" "	15.2	22.3	2.32	3.46	51.8	.6	12	0	"
16	8-19	0795 0908	WADDICOR	15.5	21.6	2.33	3.45	50.4	.6	12	0	"
17	8-20	0924 0924	" "	15.3	21.5	2.32	3.46	49.8	.6	12	+0.01	"
18	8-21	0743 0800	" "	15.2	20.9	2.27	3.44	47.5	.6	12	0	"
19	8-22	0755 0810	" "	15.5	20.8	2.24	3.42	46.6	.5	11	0	"
20	8-23	0940 0955	WADDICOR-ARELLANES	15.7	21.1	2.29	3.42	48.4	.6	12	0	"
21	8-24	0728 0742	" "	15.5	20.9	2.22	3.41	46.5	.6	12	0	"
22	8-25	0845 0900	WADDICOR	15.6	21.5	2.34	3.44	50.3	.6	12	0	"
23	8-26	1335 1350	" "	15.6	21.2	2.32	3.37	49.1	.6	12	0	"
24	8-27	1520 1545	DE MARS-ARELLANES	15.3	20.0	2.23	3.41	44.6	.6	10	0	FC34
25	8-30	0807 0827	WADDICOR	15.2	20.0	2.20	3.37	43.9	.6	12	0	"
26	9-2	0802 0823	" "	14.7	18.8	2.15	3.31	40.4	.6	11	0	"
27	9-5	0945 0918	WADDICOR-ARELLANES	30.0	66.0	2.23	4.17	147.	.6	14	0	"
28	9-6	0940 1000	WADDICOR	29.8	57.5	2.47	3.79	142.	.6	14	0	"
29	9-7	0905 0923	WADDICOR-ARELLANES	29.7	61.9	2.36	3.68	146.	.6	10	0	"
30	9-8	0914 0934	" "	30.0	65.2	2.33	3.64	152.	.6	17	0	"
31	9-10	0950 1015	WADDICOR	29.7	64.4	2.36	3.34	152.	.6	17	0	"
32	9-13	1022 1045	" "	29.7	62.9	2.43	3.25	153.	.6	13	0	"
33	9-16	1005 1025	" "	29.4	59.6	2.37	3.16	142.	.6	17	0	"
34	9-18	0817 0837	" "	29.8	66.5	2.54	3.26	169.	.6	18	0	"
35	9-19	0805 0825	" "	28.2	42.9	2.40	2.86	103.	.6	16	0	"
36	9-21	0743 0805	" "	28.2	42.5	2.33	2.84	99.1	.6	16	0	"
37	9-22	0809 0815	" "	26.7	29.3	2.25	2.47	65.8	.6	15	0	"
38	9-23	1037 1058	" "	16.5	15.7	1.84	1.96	28.9	.6	12	0	"
39	9-23	1615 1627	WADDICOR-GREEN	17.5	22.8	1.87	2.24	42.7	.6	11	0	"

NO.	DATE	RESIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. ING	METH. NO.	W. HT. CHANGE TOTAL	METER NO.
40	10-28	0903 0911	WADDICOR	3.3	1.04	1.15	1.68	1.2	.5	5	0	FC37
41	11-4	0830 0946	" "	16.3	15.7	1.60	2.35	25.1	.6	12	-0.04	"
42	11-5	0813 0826	" "	18.1	25.4	2.05	2.75	52.0	.6	11	-0.13	"
43	11-5	1040 1055	" "	18.0	25.9	2.12	2.73	54.9	.6	11	0	"
44	11-6	0826 0852	" "	18.0	24.9	2.08	2.66	51.9	.6	12	0	"
45	11-8	0851 0908	WADDICOR-GODFREY	17.8	24.3	1.96	2.64	47.6	.6	12	0	"
46	11-10	1502 1613	WADDICOR-GREEN	18.0	24.9	1.95	2.64	48.7	.6	11	0	"
47	11-13	1641 1652	WADDICOR	29.0	51.3	3.25	3.53	167.	.6	15	0	"
48	11-13	0945 0959	WADDICOR-HYLEN	17.7	25.5	2.67	2.77	68.2	.6	11	-0.02	"
49	11-14	1023 1033	WADDICOR	18.8	31.8	3.11	3.00	96.9	.6	12	0	"
50	11-15	0923 0933	" "	19.0	30.2	2.93	2.96	88.4	.6	12	0	"
51	11-16	0903 0917	WADDICOR-GREEN	31.0	45.8	3.14	3.24	144.	.6	14	0	"
52	11-16	1550 1604	" "	17.5	23.8	3.12	2.62	74.3	.6	11	0	"
53	11-17	1109 1120	" "	17.2	23.9	2.92	2.56	69.9	.6	11	0	"
54	11-18	0935 0950	WADDICOR	17.5	24.3	2.82	2.57	68.4	.6	12	0	"
55	11-22	1355 1410	" "	16.9	21.0	2.38	2.42	51.8	.6	12	0	"
56	11-24	0950 1003	WADDICOR-VAN ALLEN	16.0	19.9	2.38	2.36	47.6	.6	12	+0.01	"
57	11-26	1016 1029	WADDICOR-INGRAM	15.9	19.1	2.37	2.33	45.3	.6	12	0	"
58	11-26	1050 1103	" "	17.8	16.6	2.66	2.32	44.2	.6	15	0	"
59	11-29	0843 0908	WADDICOR	17.6	16.0	2.60	2.26	41.7	.6	13	0	"
60	11-30	0830 0823	WADDICOR-INGRAM	16.0	20.3	2.42	2.40	49.2	.6	12	0	"
61	12-1	0907 0917	WADDICOR	8.8	3.58	1.59	1.46	5.7	.6	10	-0.03	"
62	12-3	1106 1119	WADDICOR-INGRAM	16.1	21.3	2.72	2.46	58.0	.6	12	0	"
63	12-4	1403 1421	WADDICOR-BRITZMAN	33.0	51.5	3.50	3.20	180.	.6	17	0	"
64	12-5	0915 0930	WADDICOR	18.0	25.8	3.53	2.49	91.0	.6	12	0	"
65	12-6	1008 1023	" "	18.6	26.9	3.27	2.49	88.0	.6	12	0	"
66	12-7	0891 0903	" "	18.0	23.4	3.24	2.37	75.8	.6	12	0	"
67	12-8	0840 0855	" "	18.0	24.6	3.21	2.41	79.0	.6	12	0	"
68	12-8	1315 1328	" "	18.0	26.2	3.23	2.47	84.7	.6	12	0	"
69	12-9	0822 0836	" "	17.2	23.2	3.07	2.32	71.3	.6	11	-0.01	"
70	12-11	1124 1135	WADDICOR-ARRELLONES	17.5	21.6	3.40	2.22	73.6	.6	12	+0.01	"

TOTEM Cb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F314-R

Daily discharge, in second-feet of SAN GABRIEL BYPASS CANAL below Headworks Whittier Narrows Dam for the year ending September 30, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1												4.1
2												3.9
3												5.9
4												15.5
5												14.5
6												d 14.2
7												14.6
8											3.4	15.2
9											d 6.0	15.2
10											6.0	15.2
11											6.3	15.2
12											6.2	15.2
13											6.0	15.3
14											5.5	14.8
15											d 5.3	d 14.3
16											5.2	14.1
17											5.2	14.7
18											5.1	12.8
19											5.0	10.1
20											4.8	10.1
21											4.7	8.4
22											4.7	5.3
23											4.7	2.4
24											4.6	0
25											4.9	0
26											5.2	0
27											4.4	0
28											4.4	0
29											4.4	0
30											4.4	0
31											4.1	0

1203 2710

MEAN												
ACRE- FEET											2390.	5370.

Remarks:

YEAR OR PERIOD MEAN ACRE-FEET 7760.

TOTEM Cb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F314-R

Daily discharge, in second-feet of SAN GABRIEL BY-PASS CHANNEL above Whittier Narrows Dam Structure for the year ending September 30, 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		0	1.5			6						
2		0	1.1									
3		0.5	10.9									
4		3.4	8.5									
5		5.3	9.0									
6		5.5	8.7									
7		5.3	7.9									
8		4.6	8.1									
9		2.2	10.1									
10		3.2	11.9									
11		7.6	7.7									
12		1.9	2.3									
13		1.01										
14		9.7										
15		9.6										
16		7.6										
17		7.1										
18		6.9										
19		7.0										
20		6.8										
21		5.8	RECORDED REMOVED									
22		5.4										
23		5.4										
24		5.6										
25		4.9										
26		5.1										
27	0.6	5.1										
28	1.0	4.6										
29	0.8	4.7										
30	0	4.7										
31	0											

2.4 1549.5 857.3

MEAN	0.08	51.6	27.7									
ACRE- FEET	4.8	3070.	1700.									

Remarks:

YEAR OR PERIOD MEAN ACRE-FEET 6.60 4770.

STATION F263B-R  
SAN GABRIEL RIVER at Beverly Boulevard

LOCATION: WATER-STAGE RECORDER, LAT 34°00'20", LONG. 118°04'07", ON THE DOWN-STREAM SIDE OF THE BEVERLY BOULEVARD BRIDGE, 0.5 MILE EAST OF PICO. ELEVATION OF ZERO GAGE HEIGHT, 172.50 FEET, U.S.G.S. DATUM.

DRAINAGE AREA: 206.5 SQUARE MILES (EXCLUSIVE OF DRAINAGE AREA ABOVE SANTA FE DAM).

CHANNEL AND CONTROL: CHANNEL - SAND AND SILT, NO CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING, HIGH FLOWS MEASURED FROM CABLE CAR 600 FEET BELOW STATION.

RECORDER: INSTALLED ON FEBRUARY 4, 1937, REMOVED NOVEMBER 14, 1947 AND INSTALLED NOVEMBER 26, 1947, 150 FEET UPSTREAM, MOVED TO NEW BRIDGE MARCH 6, 1952 AND INSTALLED OVER A 20-INCH DIAMETER STEEL PIPE STILLING WELL BUILT IN DOWN-STREAM END OF BRIDGE PIER. A STEVENS TYPE A35-B RECORDER IN SERVICE FROM OCTOBER 1, 1953 TO SEPTEMBER 30, 1955.

REGULATION: FLOW PARTIALLY REGULATED BY COGSWELL DAM, SAN GABRIEL DAM, MORRIS DAM, SANTA FE DAM, BIG DALTON DAM, PUDDINGSTONE DIVERSION DAM, PUDDINGSTONE DAM, LIVE OAK DAM, AND THOMPSON CREEK DAM.

DIVERSIONS: THERE ARE SEVERAL DIVERSIONS FOR IRRIGATION, POWER DEVELOPMENT AND SPREADING.

RECORDS AVAILABLE: FEBRUARY 4, 1937 TO SEPTEMBER 30, 1955. (FOR RECORDS PRIOR TO FEBRUARY 4, 1937, SEE STATION F63-R, SAN GABRIEL RIVER AT WHITTIER BOULEVARD IN PREVIOUS REPORTS. FOR RECORDS PRIOR TO 1929, SEE STATE DIVISION OF WATER RIGHTS BULLETINS V AND VI.)

REMARKS: ZONE I WATER WAS DELIVERED TO SAN GABRIEL AND RIO HONDO SPREADING BASINS. 5810 ACRE-FEET IS INCLUDED IN THIS RECORD DURING AUGUST AND SEPTEMBER 1954 AND 4190 ACRE-FEET DURING NOVEMBER AND DECEMBER, 1954. THIS IS FOREIGN WATER.

EXTREMES OF DISCHARGE:

1953-54  
MAXIMUM 5450 SECOND-FEET FEBRUARY 13.  
MINIMUM NO FLOW PART OF YEAR.

1954-55  
MAXIMUM 1590 SECOND-FEET JANUARY 18.  
MINIMUM NO FLOW PART OF YEAR.

1936-55  
MAXIMUM 22,700 SECOND-FEET ESTIMATED MARCH 2, 1936.  
MINIMUM NO FLOW AT VARIOUS TIMES (FOR EARLIER YEARS SEE STATION F63-R).

ACCURACY: FAIR.

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

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER

AT Beverly Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 1954

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. IND.	MEAN. SEC. IND.	D. CH. TOTAL	METER NO.	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. IND.	MEAN. SEC. IND.	D. CH. TOTAL	METER NO.
40	1-19	1040 1058	WADDICOR-BRITZMAN	228.	148.	3.05	8.04	451.	.6	11	+ .04	FC37		58	3-25	0942 0956	"	26.8	20.7	2.32	7.19	47.9	-6	12	0	"	
41	1-19	1615 1627	"	103.	72.0	1.88	7.45	135.	.6	12	+ .10	"		59	3-30	0814 0823	WADDICOR-BRITZMAN	86.0	92.5	2.48	7.70	229.	-6	11	+ .01	"	
42	1-21	0950 1003	WADDICOR	23.5	7.03	1.11	6.77	7.8	.5	10	0	"		60	8-9	1032 1040	WADDICOR-DE MARS	19.0	10.7	1.56	7.04	16.7	-6	11	0	"	
43	1-25	1337 1350	WADDICOR-BRITZMAN	107.	73.3	2.66	7.49	195.	.6	13	- .06	"		61	8-10	1345 1357	"	22.5	12.5	1.54	7.07	19.3	-6	13	0	"	
44	1-28	1018 1028	WADDICOR	11.5	1.63	0.74	6.24	1.2	.5	9	+ .06	"		62	8-11	1327 1336	"	23.5	13.8	1.55	7.08	21.4	-6	14	0	"	
45	2-4	1100 1110	"	5.0	1.20	1.00	6.27	1.2	.5	6	0	"		63	8-12	1327 1341	WADDICOR-SPELLMAN	24.6	15.5	1.73	7.10	26.8	-6	14	0	"	
46	2-11	1110 1116	"	4.0	1.28	0.94	6.31	1.2	.5	5	0	"		64	8-14	1330 1342	WADDICOR	24.7	15.9	1.57	7.09	25.0	-6	12	0	FC37	
47	2-13	1353 1405	WADDICOR-BRITZMAN	CHANNELS			6.52	15.0	.6	14	0	"		65	8-16	1352 1410	"	23.5	16.7	1.51	7.12	25.2	-6	10	0	"	
48	2-14	0815 0826	"	76.0	58.7	1.66	7.17	97.8	.6	10	0	"		66	8-18	1413 1428	"	23.6	15.7	1.56	7.10	24.5	-6	13	0	"	
49	2-15	1448 1435	"	32.0	10.3	0.84	6.80	8.7	.6	10	0	"		67	8-19	1420 1432	"	18.0	17.1	1.67	7.10	28.6	-6	11	0	"	
50	2-18	1430 1445	WADDICOR	31.5	7.85	0.87	6.79	6.8	.6	12	0	"		68	8-20	1450 1505	"	18.2	18.2	1.72	7.11	31.3	-6	12	0	"	
51	2-25	1015 1025	"	10.5	3.42	1.02	6.74	3.5	.5	9	0	"		69	8-23	1300 1315	"	18.1	18.2	1.73	7.13	31.5	-6	12	0	"	
52	3-17	0824 0836	WADDICOR-BRITZMAN	22.5	14.9	2.27	7.06	33.8	.6	10	- .01	"		70	8-24	1302 1318	"	18.1	18.3	1.74	7.14	31.8	-6	12	0	"	
53	3-18	1255 1307	WADDICOR	12.0	4.63	1.45	6.80	6.7	.6	9	0	"		71	8-27	1222 1236	"	17.9	18.4	1.78	7.14	32.8	-6	12	0	"	
54	3-20	0954 1001	WADDICOR-BRITZMAN	27.0	17.9	2.32	7.11	41.4	.6	11	+ .01	"		72	9-2	1420 1433	"	17.9	19.7	1.55	7.10	30.5	-6	13	0	"	
55	3-21	0715 0723	"	14.5	8.77	1.78	6.95	15.6	.6	9	0	"		73	9-8	1312 1330	"	56.2	53.0	2.66	7.43	141.	-6	14	0	"	
56	3-22	1435 1443	"	24.0	17.6	1.91	7.14	33.6	.6	11	0	"		74	9-13	1335 1400	"	56.0	51.2	2.68	7.39	136.	-6	14	0	"	
57	3-23	1000 1010	WADDICOR	12.0	7.36	1.64	6.95	12.1	.6	8	0	"		75	9-16	1318 1338	"	52.7	44.8	2.50	7.30	112.	-6	14	0	"	

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER

AT Beverly Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 1955

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE CFS.	RAT. IND.	METH. NO.	MEAN. CHG. TOTAL	METER NO.
99	1-17	0942 1000	"	23.6	14.4	1.27	6.96	18.3	.6	15	0	"
100	1-18	1434 1446	WADDICOR-BRITZMAN	74.0	45.8	2.62	7.34	120.	.6	17	+ .02	"
101	1-18	1612 1640	"	205.	368.	3.97	8.64	1460.	.6	16	+ .18	"
102	1-19	1000 1010	"	42.0	28.8	1.65	6.91	47.6	.6	14	- .01	"
103	1-20	1128 1128	WADDICOR	39.5	14.1	1.17	6.71	16.5	.6	16	0	"
104	1-27	1038 1100	"	24.0	9.13	1.07	6.67	9.8	.6	15	0	"
105	1-31	0950 1004	"	16.0	9.95	1.07	6.71	10.6	.6	11	0	"
106	2-4	1200 1212	DE MARS	14.5	7.85	1.36	6.71	10.7	.6	10	0	Fc34
107	2-10	1044 1102	WADDICOR	17.2	5.92	1.18	6.76	7.0	.6	13	0	Fc37
108	2-16	1037 1055	"	25.5	6.58	1.09	6.65	7.2	.6	16	0	"
109	2-17	0931 0940	WADDICOR-BRITZMAN	26.5	7.67	1.12	6.67	8.6	.6	15	0	"
110	2-24	1025 1038	WADDICOR	18.5	6.46	1.47	6.73	9.5	.6	12	0	"
111	3-3	1050 1102	"	14.2	8.33	1.01	6.74	8.4	.6	10	0	"
112	3-10	1310 1322	"	17.0	8.79	1.91	6.80	11.5	.6	11	0	"
113	3-11	0922 0936	WADDICOR-BRITZMAN	16.5	13.1	1.54	6.88	20.2	.6	13	- .02	"
114	3-17	1052 1104	WADDICOR	13.3	4.16	1.10	6.66	4.6	.6	10	- .01	"
115	3-24	1018 1032	"	17.8	5.85	1.43	6.82	8.4	.6	11	- .01	"
116	4-30	1930 1939	WADDICOR-BRITZMAN	16.0	7.30	1.62	6.91	11.8	.6	12	0	"
117	5-1	1140 1148	"	16.2	11.4	1.73	6.97	19.7	.6	10	0	"
118	5-5	1403 1415	WADDICOR	12.0	4.06	0.91	6.79	3.7	.6	9	0	"
119	5-12	1232 1242	"	8.5	2.90	1.41	6.76	4.1	.6	10	0	"

70715 C6 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F263B-R

Daily discharge, in second-feet of SAN GABRIEL RIVER at Beverly Boulevard for the year ending September 30, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	1.4	0	0	0	0	0	0	3.4
2	0	0	0	0	1.4	0	0	0	0	0	0	3.2
3	0	0	0	0	1.3	0	0	0	0	0	0	3.4
4	0	0	0	0	1.1	0	0	0	0	0	0	13.3
5	0	0	0	0	1.0	0	0	0	0	0	0	14.8
6	0	0	0	0	1.0	0	0	0	0	0	0	12.9
7	0	0	0	0	1.3	0	0	0	0	0	0	11.0
8	0	0	0	0	1.1	0	0	0	0	0	0	13.7
9	0	0	0	0	1.1	0	0	0	0	0	0	13.3
10	0	0	0	0	b 1.1	0	0	0	0	0	1.0	13.3
11	0	0	0	0	1.0	0	0	0	0	0	2.0	13.3
12	0	0	0	0	1.5	0	0	0	0	0	2.6	13.3
13	0	0	0	0	9 0 1	0	0	0	0	0	2.6	13.7
14	0	0	0	0	175	0	0	0	0	0	2.5	13.3
15	0	0	0	0	b 1.0	0	0	0	0	0	2.6	12.3
16	0	0	0	0	7.2	0	0	0	0	0	2.5	11.6
17	0	0	0	0	5.0	2.8	0	0	0	0	2.0	12.6
18	0	0	0	0	5.9	7	0	0	0	0	2.0	10.6
19	0	0	0	0	5.3	5.5	0	0	0	0	2.0	8.0
20	0	0	0	23.0	3.6	9.1	0	0	0	0	3.0	8.0
21	0	0	0	7.3	2.6	1.8	0	0	0	0	3.1	6.5
22	0	0	0	9.2	2.6	2.5	0	0	0	0	3.1	3.5
23	0	0	0	4.2	3.1	1.2	0	0	0	0	3.4	0.4
24	0	0	0	5.8	3.4	1.2	0	0	0	0	3.4	0
25	0	0	0	5.4	1.4	3.5	0	0	0	0	3.4	0
26	0	0	0	1.0	0	4.2	0	0	0	0	3.5	0
27	0	0	0	5.6	0	+	0	0	0	0	3.4	0
28	0	0	0	3.6	0	0	0	0	0	0	3.2	0
29	0	0	0	2.3	0	0	0	0	0	0	3.1	0
30	0	0	0	1.8	0	9.3	0	0	0	0	3.0	0
31	0	0	0	1.4	0	4.4	0	0	0	0	3.0	0
	0	0	0	1127.1	1145.7	337.4	0	0	0	0	640.0	2290.4

MEAN	0	0	0	36.4	40.2	10.9	0	0	0	0	20.6	76.3
ACRE- FEET	0	0	0	2240.	2270.	669.	0	0	0	0	1270.	4540.

Remarks: + = 0.05 cfs or less

YEAR OR PERIOD MEAN 15.2  
ACRE-FEET 10990.

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LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

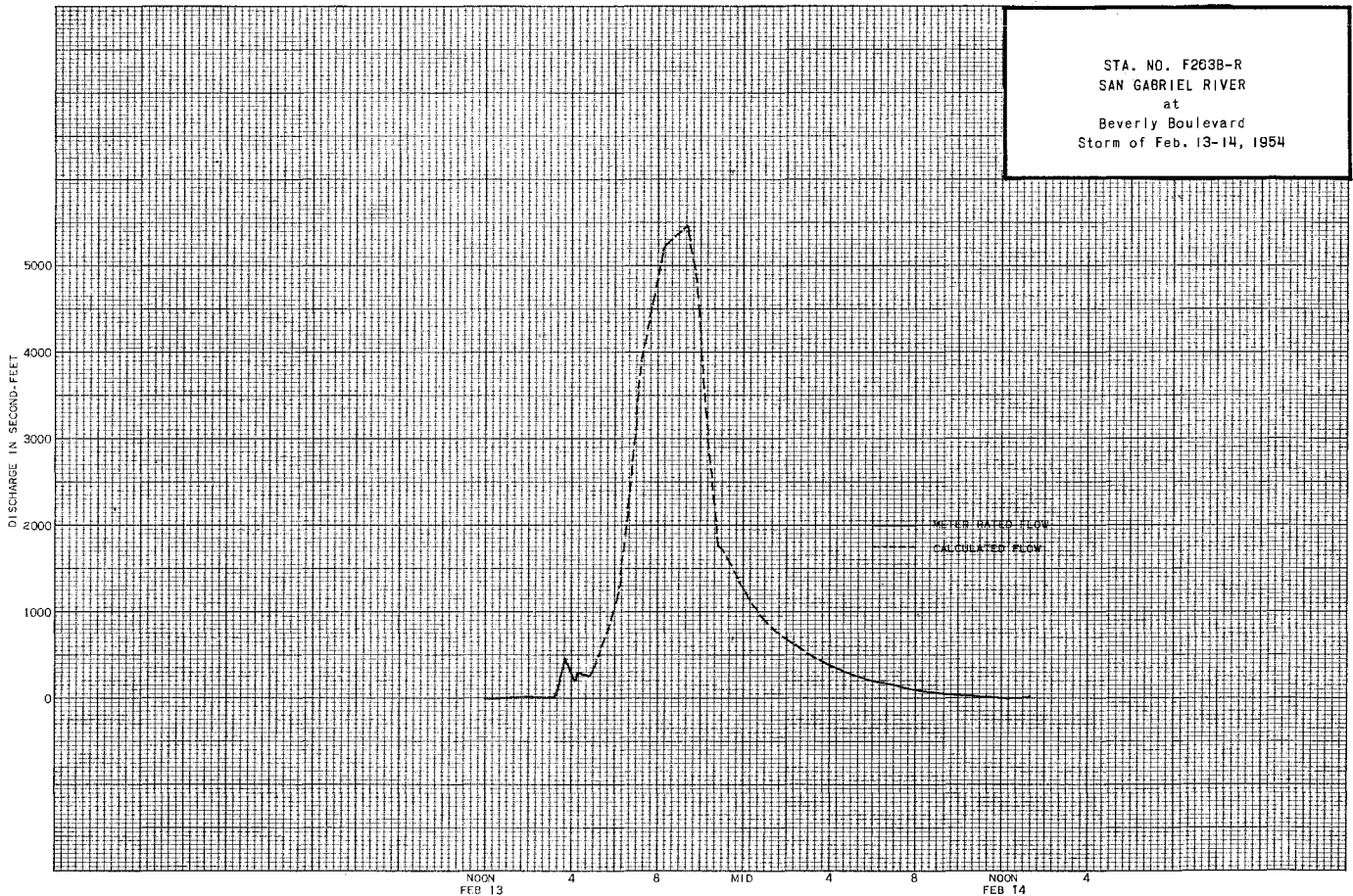
Sta. No. F263B-R

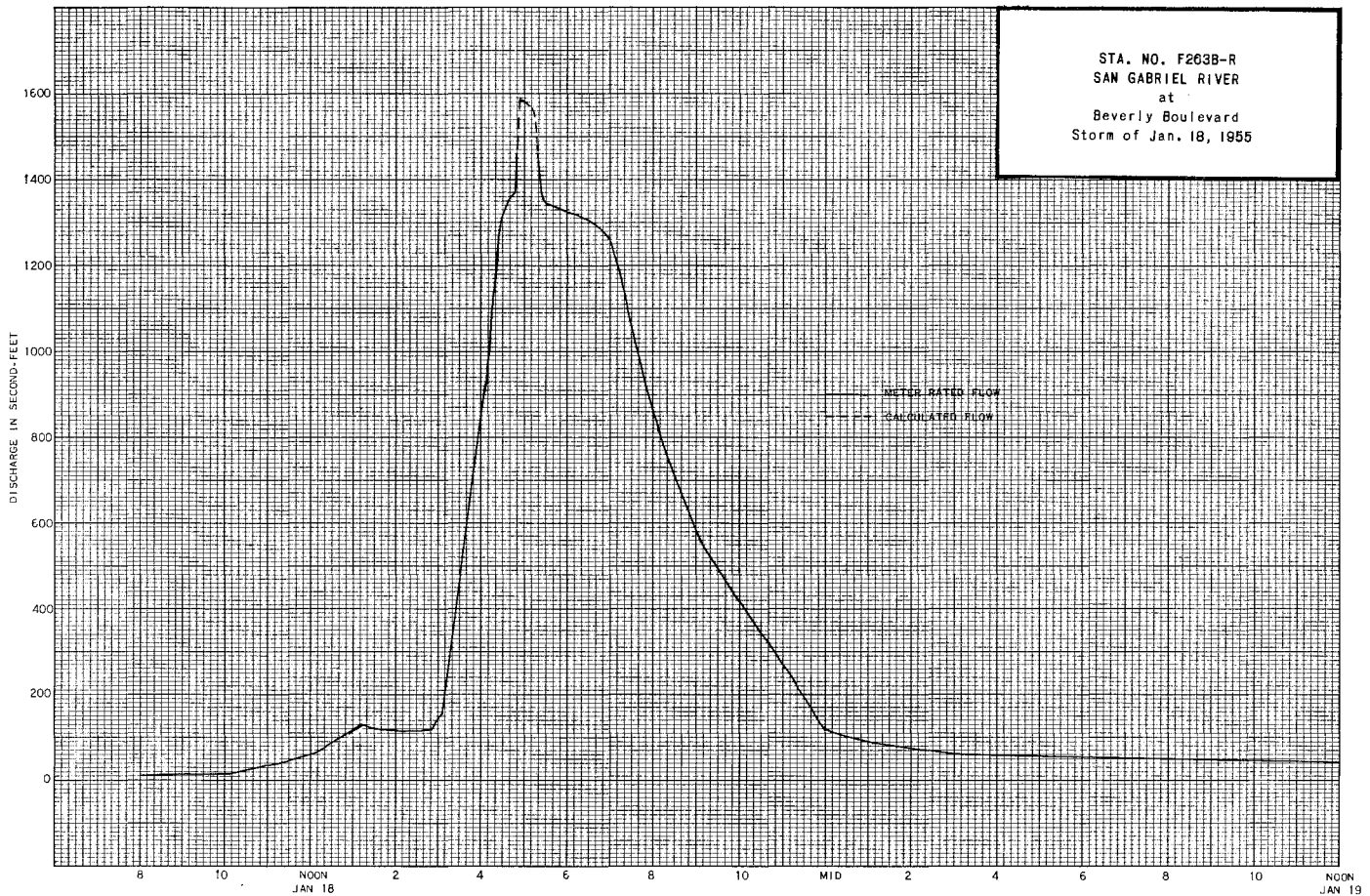
Daily discharge, in second-feet of SAN GABRIEL RIVER at Beverly Boulevard for the year ending September 30, 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	31	16	6.3	10	0	15	0	0	0	0
2	0	0	16	19	6.3	8.8	0	33.8	0	0	0	0
3	0	0	104	19	38.8	8.8	0	11.8	0	0	0	0
4	0	1	93	17	10	10	0	63.8	0	0	0	0
5	0	39	103	15	10	7.5	0	22.8	0	0	0	0
6	0	36	103	15	8.8	7.5	0	3.8	0	0	0	0
7	0	43	97	14	8.8	7.5	0	15.8	0	0	0	0
8	0	41	100	14	8.8	7.5	0	17	0	0	0	0
9	0	29	117	14	8.8	8.8	0	5.0	0	0	0	0
10	0	16	132	18.8	7.0	7.8	0	5.0	0	0	0	0
11	0	146	92	27	7.0	23	0	5.0	0	0	0	0
12	0	25	34	18	7.1	14	0	33.8	0	0	0	0
13	0	111	b 17	17	7.1	12	0	5.8	0	0	0	0
14	0	107	b 12	15	7.2	10	0	22.8	0	0	0	0
15	0	105	b 12	15	7.2	10	0	1.2	0	0	0	0
16	0	82	12	26	8.8	11	0	7.2	0	0	0	0
17	0	78	11	20	10	11	0	+	0	0	0	0
18	0	73	11	32.3	8.8	23	0	0	0	0	0	0
19	0	80	10	45	6.2	17	0	0	0	0	0	0
20	0	80	12	18	7.5	11	0	0	0	0	0	0
21	0	70	13	14	8.8	12	0	0	0	0	0	0
22	0	67	13	12	10	12	0	0	0	0	0	0
23	0	65	13	12	8.8	8.8	0	0	0	0	0	0
24	0	65	13	11	10	7.5	0	0	0	0	0	0
25	0	53	14	11	8.8	5.2	0	0	0	0	0	0
26	0	56	13	10	8.8	8.8	+	0	0	0	0	0
27	0	60	11	10	16	8.8	0	0	0	0	0	0
28	0	56	13	10	16	3.8	0	0	0	0	0	0
29	0	53	13	10	8.8	2.5	0	0	0	0	0	0
30	0	63	13	11	8.8	0	2.0	0	0	0	0	0
31	0		12	13	0	0	0	0	0	0	0	0
	0	1726.0	1260.0	1037.8	247.2	300.6	2.0	90.2	0	0	0	0
MEAN	0	57.5	40.6	33.5	8.83	9.70	0.07	2.91	0	0	0	0
ACRE-FEET	0	3420.	2500.	2060.	490.	596.	4.0	179.	0	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN ACRE-FEET 12.8 9250.





STATION F202-R  
SAN GABRIEL RIVER at Florence Avenue

LOCATION: WATER-STAGE RECORDER, LAT.  $33^{\circ}56'20''$ , LONG.  $118^{\circ}06'00''$ , ON THE DOWNSTREAM SIDE OF THE FLORENCE AVENUE (FORMERLY EASY STREET) BRIDGE ABOUT 2 MILES EAST OF DOWNEY. ELEVATION OF ZERO GAGE HEIGHT, 105.00 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. REMOVED ON MARCH 2, 1938 AND WAS RE-INSTALLED ON APRIL 4, 1938. STATION REMOVED MARCH 22, 1949 TO PERMIT REMOVAL OF BRIDGE. RE-INSTALLED JANUARY 26, 1951 OVER AN 18-INCH DIAMETER STILLING WELL BUILT IN DOWNSTREAM END OF BRIDGE PIER. AN H.C.F. RECORDER WAS IN SERVICE FROM OCTOBER 1, 1953 TO SEPTEMBER 30, 1955.

REGULATION: FLOW PARTIALLY REGULATED BY COGSWELL DAM, SAN GABRIEL DAM, MORRIS DAM, SANTA FE DAM, BIG DALTON DAM, SAN DIMAS DAM, PUDDINGSTONE DIVERSION DAM, PUDDINGSTONE DAM, LIVE OAK DAM 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, 1936 TO NOVEMBER 23, 1936 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, 1955.

EXTREMES OF DISCHARGE:

1953-54  
 MAXIMUM 4060 SECOND-FEET FEBRUARY 13.  
 MINIMUM NO FLOW MOST OF YEAR.  
 1954-55  
 MAXIMUM 1850 SECOND-FEET JANUARY 18.  
 MINIMUM NO FLOW MOST OF YEAR.  
 1937-53  
 MAXIMUM NOT DETERMINED MARCH 2, 1938.  
 MAXIMUM DISCHARGE OF RECORD, 15,960 SECOND-FEET, FEBRUARY 22, 1944.  
 MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: FAIR

OPERATION: LOCATED AND CONSTRUCTED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT AND OPERATED IN COOPERATION WITH THE SAN GABRIEL VALLEY PROTECTIVE ASSOCIATION.

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER  
 AT Florence Avenue DURING THE YEAR ENDING SEPTEMBER 30, 19 54

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INS.	METH. DD	MEAN SEC. NO.	D. HT. CHANGE TOTAL	METER NO.
454	1-20	1028 1033	THOMAS-BONADIMAN	7.0	1.46	1.10	7.91	1.6		.5	5	0	FC19
455	1-25	0830 0841	" "	217.	286.	4.27	9.55	1220.		.6	11	0	"
456	3-20	1550 1602	" "	67.0	77.0	2.18	8.09	168.		.6	9	+.02	"
457	3-30	1006 1016	" "	38.0	34.9	4.01	8.20	140.		.6	10	-.04	"

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER  
 AT Florence Avenue DURING THE YEAR ENDING SEPTEMBER 30, 19 55

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INS.	METH. DD	MEAN SEC. NO.	D. HT. CHANGE TOTAL	METER NO.
458	1-10	0830 0945	DE MARS-VAN ALLEN	29.9	10.2	1.73	7.84	17.7		.6	13	0	FC34
459	1-10	1826 1832	THOMAS-BONADIMAN	23.8	18.2	3.87	8.03	70.2		.6	9	0	FC19
460	1-18	1550 1610	DE MARS-VAN ALLEN	47.0	35.9	3.23	8.20	116.		.6	14	-.04	FC34
461	1-18	1855 1903	BONADIMAN-THOMAS	192.	244.	6.27	9.17	1530.		.6	10	0	FC19
462	1-19	0808 0820	" "	15.0	7.35	0.57	7.08	4.2		.6	7	0	"

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LOS ANGELES COUNTY  
 FLOOD CONTROL DISTRICT  
 HYDRAULIC DIVISION

Sta. No. F262-R

Daily discharge, in second-feet of SAN GABRIEL RIVER at Florence Avenue for the year ending September 30, 19 54

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	6.8	0	0	0	0	0	0	0
14	0	0	0	0	32.6	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	2.7	0	0	0	0	0	0	0	0
20	0	0	0	4.5	0	5.5	0	0	0	0	0	0
21	0	0	0	0	0	2.3	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	9.0	0	0	0	0	0	0	0	0
25	0	0	0	52.7	0	0	0	0	0	0	0	0
26	0	0	0	2.2	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	5.2	0	0	0	0	0	0
31	0	0	0	0	0	7.8	0	0	0	0	0	0
	0	0	0	78.1	101.4	117.1	0	0	0	0	0	0
MEAN	0	0	0	25.2	36.2	3.78	0	0	0	0	0	0
ACRES- FEET	0	0	0	1550	2010.	232.	0	0	0	0	0	0

Remarks:

YEAR OR PERIOD 5,24  
 MEAN ACRES-FEET 3790.



FD-714 (Rev. 12-53)

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

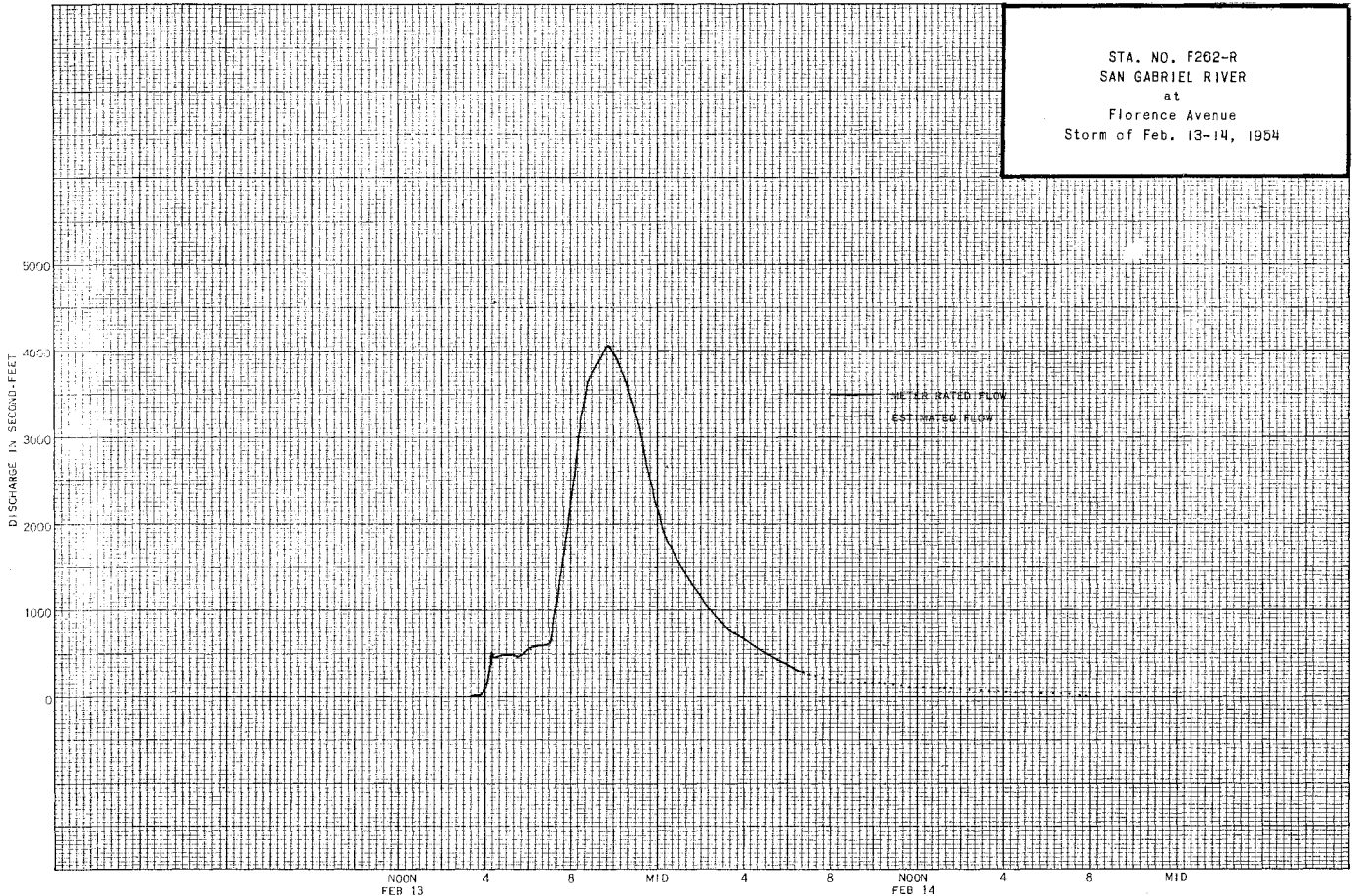
Sta. No. F262-R

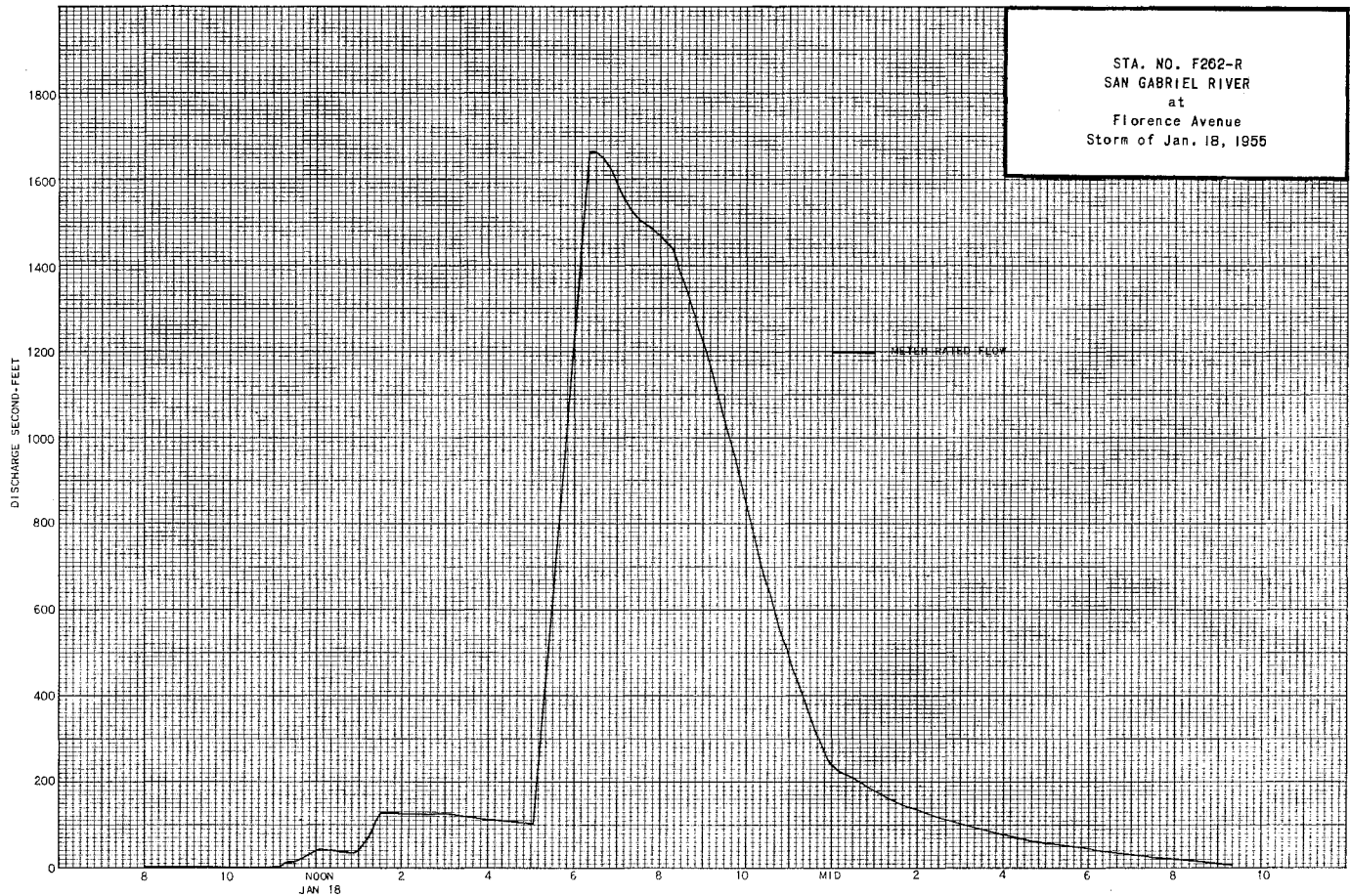
Daily discharge, in second-feet of **SAN GABRIEL RIVER at Florence Avenue** for the year ending September 30, 1955

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	5.4	0	0	0	0	0	0	0	0
11	0	0	0	1.3	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	0	0	0	0	0	0	0	0	0
16	0	0	0	7.7	0.7	0	0	0	0	0	0	0
17	0	0	0	7.1	0	0	0	0	0	0	0	0
18	0	0	0	31.7	0	0	0	0	0	0	0	0
19	0	0	0	3.7	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	1.0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	5.7	0	0	0	0	0	0	0	0
31	0	0	0	4.7	0	0	0	0	0	0	0	0
	0	0	0	503.6	1.7	0	0	0	0	0	0	0
MEAN	0	0	0	16.3	0.06	0	0	0	0	0	0	0
ACRE- FEET	0	0	0	999.	3.4	0	0	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN ACRE-FEET 1.38 1000.





STATION F42-R  
 SAN GABRIEL RIVER at Spring Street

LOCATION: WATER-STAGE RECORDER, LAT. 33°48'38", LONG. 118°05'25", ON DOWN-STREAM SIDE OF SPRING STREET BRIDGE ABOUT 4 MILES EAST OF SIGNAL HILL NEAR LONG BEACH. THIS STATION IS NEAR THE LOCATION OF THE STATION OPERATED IN 1924 BY THE STATE DIVISION OF WATER RIGHTS. ELEVATION OF ZERO GAGE HEIGHT, 12.25 FEET.

DRAINAGE AREA: 215.5 SQUARE MILES (EXCLUSIVE OF AREA ABOVE SANTA FE DAM).

CHANNEL AND CONTROL: CHANNEL - SAND AND SILT OVER ADOBE BOTTOM, TRAPEZOIDAL CHANNEL WITH BLACK-TOPPED EARTHEN LEVEES. NO ARTIFICIAL CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING; HIGH FLOWS MEASURED FROM CABLE CAR 200 FEET ABOVE STATION.

RECORDER: INSTALLED FEBRUARY 6, 1928, REMOVED MAY 4, 1951 FOR CONSTRUCTION OF NEW BRIDGE. REINSTALLED APRIL 9, 1952 OVER AN 18-INCH DIAMETER STILLING WELL BUILT IN DOWNSTREAM END OF BRIDGE PIER. A STEVENS TYPE A35-B RECORDER IN SERVICE FROM OCTOBER 1, 1953 TO SEPTEMBER 30, 1955.

REGULATION: FLOW PARTIALLY REGULATED BY COGSWELL DAM, SAN GABRIEL DAM, MORRIS DAM, SANTA FE DAM, BIG DALTON DAM, SAN DIMAS DAM, PUDDINGSTONE DAM, PUDDINGSTONE DIVERSION DAM, LIVE OAK DAM AND THOMPSON CREEK DAM.

DIVERSIONS: THERE ARE SEVERAL DIVERSIONS FOR IRRIGATION, POWER DEVELOPMENT AND SPREADING.

RECORDS AVAILABLE: FEBRUARY 6, 1928 TO MAY 4, 1951, APRIL 9, 1952 TO SEPTEMBER 30, 1955. (FOR PERIODS PRIOR TO FEBRUARY 1928, SEE STATE DIVISION OF WATER RIGHTS BULLETINS.)

EXTREMES OF DISCHARGE:

1953-54

MAXIMUM 3520 SECOND FEET FEBRUARY 13.  
 MINIMUM NO FLOW MOST OF YEAR.

1954-55

MAXIMUM 1640 SECOND-FEET JANUARY 18.  
 MINIMUM NO FLOW MOST OF YEAR.

1927-55

MAXIMUM 27,000 SECOND FEET ESTIMATED MARCH 2, 1938.  
 MINIMUM NO FLOW MOST OF EACH YEAR.

OPERATION: OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT. LOCATED BY THE STATE DIVISION OF WATER RIGHTS.

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER  
 AT Spring Street DURING THE YEAR ENDING SEPTEMBER 30, 19 54

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.	MEAN SEC. NO.	D. INT. CHANGE TOTAL	METER NO.
362	1-20	1145 1200	THOMAS-BONAD IMAN	29.0	22.9	1.84	6.59	42.1	.6	9	0	+.02	FC19
363	1-25	1017 1030	" "	166.	268.	5.52	8.08	1480.	.6	12	0	+.05	"
364	1-26	1125 1128	" "	5.50	0.98	0.92	6.52	0.88	.6	4	0	0	"
365	2-14	0019 0034	THOMAS-HETHERMAN	165.	400.	7.70	8.30	3080.	.6	10	0	+.10	FC51
366	2-14	1315 1324	BONAD IMAN	35.0	49.0	1.02	6.41	50.2	.6	5	0	+.02	FC19
367	2-15	1726 1730	THOMAS	3.0	0.38	0.73	5.92	0.28	.6	4	0	0	FC51
368	3-21	1152 1158	THOMAS-BONAD IMAN	6.5	1.62	0.62	6.04	1.0	.5	5	0	0	FC19
369	3-24	1056 1104	BONAD IMAN	17.0	5.46	1.01	6.09	5.5	.5	6	0	0	"

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER  
 AT Spring Street DURING THE YEAR ENDING SEPTEMBER 30, 19 56

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. ING.	METH. OD.	MEAN SEC. NO.	D. INT. CHANGE TOTAL	METER NO.
370	1-10	2000 2008	BONAD IMAN-THOMAS	50.	50.5	3.42	6.57	173.	.6	6	0	-.06	FC19
371	1-11	1155	THOMAS	9.0	1.89	0.26	5.94	0.54	.5	6	0	0	"
372	1-17	1500 1508	THOMAS-BONAD IMAN	4.0	0.81	0.50	5.94	0.44	.6	5	0	0	"
373	1-18	2045 2047	" "	120.	219.	7.49	7.70	1640.	.6	9	0	0	"
374	1-19	1115 1130	" "	36.0	14.6	1.84	6.29	26.8	.6	11	0	0	"

70214M Cal 12-53

LOS ANGELES COUNTY  
 FLOOD CONTROL DISTRICT  
 HYDRAULIC DIVISION

Sta. No. R42-2

Daily discharge, in second-feet of SAN GABRIEL RIVER at Spring Street for the year ending September 30, 19 54

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	1.8	0	0	0	0	0	0	0
14	0	0	0	0	4.5	0	0	0	0	0	0	0
15	0	0	0	0	1.8	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	4.3	0	0	0	0	0	0	0	0
21	0	0	0	0	0	5.6	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	3.4	0	0	0	0	0	0	0	0
27	0	0	0	1.2	0	0	0	0	0	0	0	0
28	0	0	0	0.1	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	4 0 1.1	6 3 2 0	5.6	0	0	0	0	0	0

MEAN ACRE- FEET	0	0	0	12.9	22.6	0.18	0	0	0	0	0	0
REMARKS: + = 0.05 c.f.s. or less	0	0	0	796.	1250.	11.	0	0	0	0	0	0

YEAR OR PERIOD 2060. MEAN 2.85 ACRE-FEET

78074X Cb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F42-R

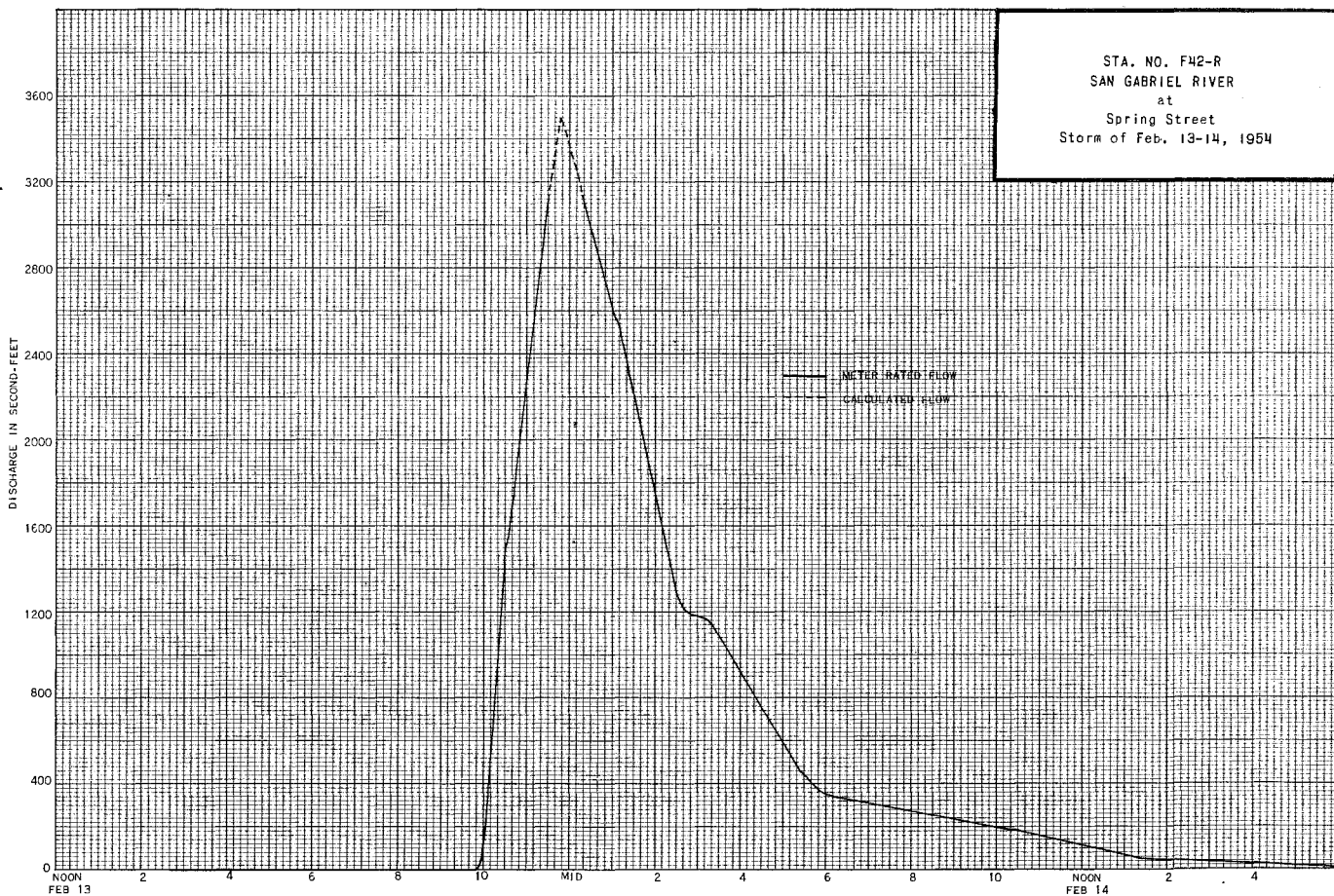
Daily discharge, in second-feet of SAN GABRIEL RIVER at Spring Street for the year ending September 30, 1955

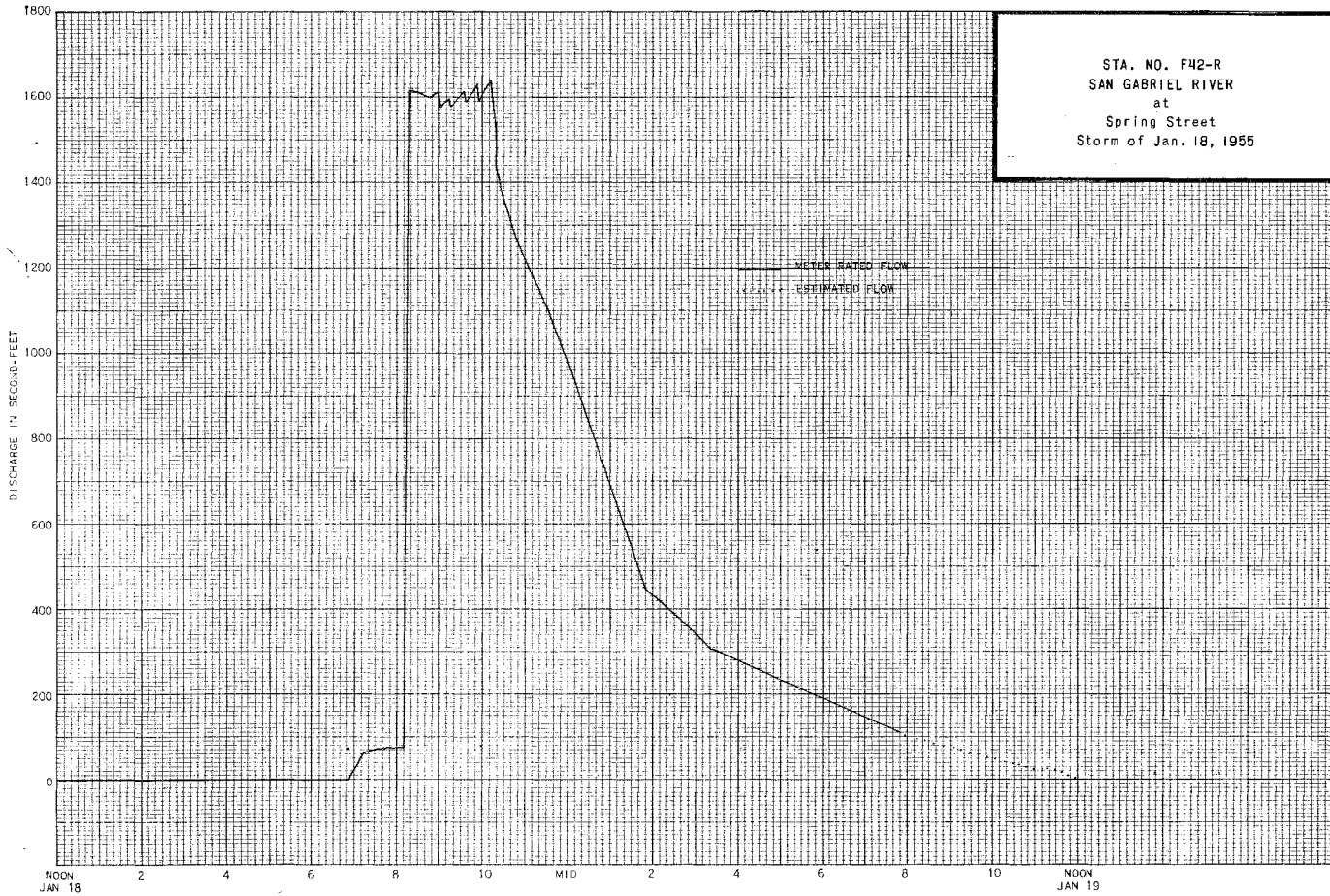
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	40	0	0	0	0	0	0	0	0
11	0	0	0	24	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	0.4	0	0	0	0	0	0	0	0
18	0	0	0	240	0	0	0	0	0	0	0	0
19	0	0	0	130	0	0	0	0	0	0	0	0
20	0	0	0	0.4	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0

	0	0	0	413.2	0	0	0	0	0	0	0	0
MEAN	0	0	0	13.3	0	0	0	0	0	0	0	0
ACRE-FOOT	0	0	0	820.	0	0	0	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN ACRE-FOOT 1.13 820.





STATION F48-R  
SAN JOSE CREEK at Workman Mill Road

LOCATION: WATER-STAGE RECORDER, LAT.  $34^{\circ}01'24''$ , LONG.  $116^{\circ}02'05''$ , ON THE DOWN-STREAM SIDE OF WORKMAN MILL ROAD BRIDGE, ABOUT 3 MILES NORTH OF WHITTIER. THIS STATION IS NEAR THE LOCATION OF THE STATION OPERATED FROM 1923 TO 1929 BY THE STATE DIVISION OF WATER RIGHTS, ELEVATION OF ZERO GAGE HEIGHT 213.46 FEET. (GAGE LOWERED 1.35 FEET SEPTEMBER 16, 1952).

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, 1953 TO SEPTEMBER 30, 1955.

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, 1955. (FOR RECORDS PRIOR TO JANUARY 2, 1929, SEE STATE DIVISION OF WATER RIGHTS BULLETINS.)

EXTREMES OF DISCHARGE:

1953-54

MAXIMUM 2590 SECOND-FEET JANUARY 18.

MINIMUM 0.1 SECOND-FOOT DECEMBER 17 TO 24.

1954-55

MAXIMUM 1420 SECOND-FEET JANUARY 18.

MINIMUM LESS THAN 0.1 SECOND-FOOT VARIOUS TIMES.

1928-55

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 NEAR 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.	RAT. INB	METH. NO.	B. CHG. TOTAL	METER NO.
1098	10-1	1117	WADDICOR	3.0	0.58	0.62	0.79	0.36	.5	4	0	FC37
1099	10+8	1325 1350	"	3.0	0.58	0.52	0.80	0.30	.5	4	0	"
1100	10-15	1512 1517	"	3.0	0.60	0.55	0.80	0.33	.5	4	0	"
1101	10-22	1350 1356	"	3.0	0.74	0.54	0.81	0.40	.5	4	0	"
1102	10-29	1550 1558	"	4.0	0.83	0.49	0.80	0.41	.5	5	0	"
1103	11-6	0815 0825	"	3.8	0.84	0.42	0.87	0.35	.5	5	0	"
1104	11-12	0940 0945	"	3.0	0.86	0.48	0.91	0.41	.5	4	0	"
1105	11-14	1315 1340	TREAT-LEVY	25.0	10.4	0.15	0.88	1.6	.6	10	0	FC45
1106	11-14	1915 1930	"	12.0	6.60	0.26	0.88	2.0	.6	10	0	"
1107	11-15	1115 1123	WADDICOR-BRITZMAN	5.5	2.44	1.05	0.96	2.5	.6	7	0	FC37
1108	11-19	1030 1030	WADDICOR	4.0	1.41	0.71	0.91	1.0	.6	5	0	"
1109	11-25	1015 1020	"	4.0	1.02	0.98	0.93	1.0	.5	5	0	"
1110	12-4	1033 1037	"	4.0	1.02	0.94	0.95	0.96	.5	5	0	"
1111	12-10	1050 1055	"	3.0	0.76	1.02	0.81	0.78	.5	4	0	"
1112	12-17	1345 1350	WADDICOR-SPELLMAN	1.6	0.21	0.24	0.90	0.05	.5	4	0	"
1113	12-23	1350 1350	WADDICOR	2.5	0.40	0.32	0.80	0.13	.5	4	0	"
1114	12-31	1042 1047	"	3.0	0.62	0.50	0.86	0.31	.5	4	0	"
1115	1-7	1037 1042	"	3.0	0.62	0.52	0.81	0.32	.5	4	0	"
1116	1-12	1850 1905	TREAT-LEVY	6.0	3.91	0.66	0.85	0.60	.6	7	0	FC45
1117	1-14	1020 1027	WADDICOR	4.0	1.32	0.91	0.86	1.2	.5	5	0	FC37
1118	1-18	2015 2015	TREAT-LEVY	8.0	0.89	0.54	0.83	0.43	.6	6	0	FC45
1119	1-19	0519 0525	"	27.0	85.9	2.68	2.35	161.	.6	15	+02	"
1120	1-19	1820 1830	TREAT-LEVY	48.0	43.8	1.79	1.82	78.3	.6	10	+08	FC45
1121	1-19	2015 2045	"	55.0	121.	3.80	3.17	460.	.6	11	+78	"
1122	1-19	2140 2200	"	60.0	132.	3.89	3.40	513.	.6	13	+02	"
1123	1-20	1521 1532	WADDICOR-BRITZMAN	15.3	17.6	3.85	1.17	14.9	.6	8	0	FC37
1124	1-21	1044 1044	WADDICOR	10.0	3.00	0.24	0.95	2.2	.6	6	0	"
1125	1-24	1120 1125	TREAT-LEVY	12.0	12.8	0.51	1.06	6.5	.6	7	0	FC45
1126	1-24	2120 2120	"	53.0	66.8	2.35	0.34	157.	.6	12	+02	"
1127	1-25	1445 1445	"	96.0	332.	5.59	5.62	1860.	.6	19	+36	"
1128	1-26	1820 1821	WADDICOR-BRITZMAN	13.3	5.62	3.53	1.02	3.0	.6	8	0	FC37
1129	1-28	1642 1642	WADDICOR	4.0	1.28	1.09	0.34	1.4	.6	5	0	"
1130	2-5	1017 1017	"	4.0	0.32	1.01	0.95	0.93	.5	5	0	"
1131	2-11	1550 1550	"	3.0	0.99	0.50	1.06	0.88	.5	5	0	"
1132	2-13	1511 1230	TREAT-CANAVAN	85.0	256.	5.42	4.73	1390.	.6	18	+31	FC45
1133	2-13	1915 1924	"	27.0	333.	6.65	5.30	2210.	.6	18	+10	"
1134	2-14	1516 1516	WADDICOR-BRITZMAN	19.0	5.86	1.79	1.31	17.8	.6	9	0	FC37
1135	2-15	1403 1406	"	6.0	2.34	1.37	1.04	3.2	.6	7	0	"
1136	2-18	1540 1547	WADDICOR	5.2	1.90	0.68	1.01	1.3	.5	7	0	"
1137	2-25	1044 1042	"	5.0	1.46	1.10	0.98	1.6	.6	6	0	"
1138	3-4	1042 1044	"	5.0	1.71	1.11	0.99	1.9	.6	6	0	"
1139	3-11	1345 1345	"	5.0	1.90	1.16	0.96	2.2	.6	6	0	"
1140	3-16	1935 1945	TREAT-LEVY	7.5	2.87	1.15	1.03	3.3	.6	8	0	FC45
1141	3-16	2345 2355	"	18.0	7.06	1.39	1.16	9.8	.6	11	0	"
1142	3-17	1501 1511	WADDICOR-BRITZMAN	19.0	7.64	1.20	1.09	9.1	.6	9	+02	FC37
1143	3-18	1330 1338	WADDICOR	5.0	1.78	1.29	0.93	2.3	.6	6	0	"
1144	3-20	0920 0930	TREAT-LEVY	28.0	15.6	1.63	1.35	25.5	.6	15	+02	FC45
1145	3-20	0938 1005	"	28.0	20.3	2.28	1.56	46.4	.6	14	+20	"
1146	3-20	1040 1050	"	52.0	47.1	2.65	2.26	125.	.6	12	+08	"
1147	3-20	2050 2100	"	24.0	20.0	2.51	1.65	50.2	.6	13	+02	"
1148	3-21	0751 0802	WADDICOR-BRITZMAN	16.0	6.00	1.03	1.11	6.2	.6	9	0	FC37
1149	3-22	1120 1145	TREAT-LEVY	23.5	22.1	2.16	1.61	47.8	.6	13	+02	FC45
1150	3-22	1405 1415	LEVY-TREAT	22.0	17.2	2.08	1.44	35.7	.6	13	+02	"
1151	3-23	1540 1547	WADDICOR	7.0	2.83	0.99	1.02	2.8	.5	8	0	FC37
1152	3-25	1455 1505	"	14.0	4.88	2.07	1.14	10.1	.6	8	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. INB	METH. NO.	B. CHG. TOTAL	METER NO.
1153	3-30	0305 0310	TREAT-LEVY	22.0	20.4	2.17	1.56	44.3	.6	13	+08	FC45
1154	3-30	1453 1501	WADDICOR-BRITZMAN	22.0	14.8	2.10	1.54	31.1	.6	11	+01	FC37
1155	4-1	1530 1538	WADDICOR	6.0	2.33	1.03	1.25	2.4	.6	7	0	"
1156	4-8	1530 1538	"	5.0	1.89	0.95	1.23	1.8	.5	6	0	"
1157	4-15	1520 1528	"	5.0	1.44	0.97	1.25	1.4	.6	6	0	"
1158	4-23	1445 1452	"	5.0	1.96	1.17	1.23	2.3	.5	6	0	"
1159	4-29	1512 1517	"	5.0	1.50	1.07	1.26	1.6	.5	6	0	"
1160	5-6	1515 1520	WADDICOR-DE MARS	4.5	1.61	0.93	-	1.5	.5	7	-	"
1161	5-13	1340 1346	WADDICOR-SPELLMAN	4.8	2.33	1.67	1.01	3.9	.5	6	10	"
1162	5-20	1355 1400	WADDICOR	4.0	1.26	1.19	0.95	1.5	.6	5	0	"
1163	5-27	1440 1445	"	4.0	1.50	1.07	1.07	1.6	.5	5	0	"
1164	6-3	1512 1516	"	4.0	1.06	1.04	0.91	1.1	.6	5	0	"
1165	6-10	1530 1530	"	5.0	1.26	0.87	1.02	1.1	.5	6	0	"
1166	6-17	1536 1542	"	5.0	1.30	0.92	0.96	1.2	.6	6	0	"
1167	6-23	1502 1506	WADDICOR-DE MARS	2.8	0.90	0.80	0.98	0.72	.6	5	0	"
1168	7-1	1330 1340	DE MARS	2.9	0.97	0.42	0.93	0.41	.6	6	0	FC34
1169	7-8	1348 1356	"	3.1	1.03	0.23	0.95	0.24	.6	8	0	"
1170	7-15	1550 1550	WADDICOR	3.0	0.66	0.48	0.99	0.33	.5	4	0	FC37
1171	7-23	0838 0843	"	3.0	0.66	0.73	1.03	0.48	.6	4	0	"
1172	7-30	0825 0831	"	4.0	0.92	0.50	1.06	0.46	.6	5	0	"
1173	8-5	1205 1210	DE MARS	2.5	0.77	0.43	0.92	0.33	.6	6	0	FC52
1174	8-12	1035 1040	"	3.0	0.82	0.98	1.02	0.80	.6	7	0	"
1175	8-19	1450 1450	WADDICOR	3.5	1.12	0.73	1.02	0.82	.6	5	0	FC37
1176	9-3	1015 1020	"	4.0	0.92	0.53	1.06	0.49	.6	5	0	"
1177	9-8	1045 1065	DE MARS	4.0	1.60	0.24	1.11	0.39	.6	6	0	FC34
1178	9-15	1535 1540	WADDICOR	3.5	0.89	0.56	0.98	0.50	.5	5	0	FC37
1179	9-24	1135 1140	"	2.5	0.52	0.51	0.90	0.27	.6	4	0	"

DISCHARGE MEASUREMENTS OF SAN JOSE CREEK

AT NEAR Workman Mill Road DURING THE YEAR ENDING SEPTEMBER 30, 19 55

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. INB	METH. NO.	B. CHG. TOTAL	METER NO.
1180	10-1	1045 1050	WADDICOR	2.5	0.66	0.59	0.96	0.39	.6	4	0	FC37
1181	10-7	1500 1505	"	2.5	0.58	0.50	0.96	0.29	.6	4	0	"
1182	10-14	1430 1430	"	3.0	0.64	0.48	0.99	0.31	.5	4	0	"
1183	10-21	1508 1513	"	2.5	0.44	0.50	1.03	0.22	.5	4	0	"
1184	10-28	1545 1550	"	3.0	0.64	0.42	0.93	0.27	.5	4	0	"
1185	11-5	1456 1500	"	3.0	0.58	0.53	0.97	0.31	.5	4	0	"
1186	11-11	0545 0553	TREAT-LEVY	18.5	5.42	0.33	1.16	1.8	.6	11	+03	FC45
1187	11-13	0825 0832	WADDICOR	3.0	0.52	0.96	1.06	0.50	.6	4	0	FC37
1188	11-18	1512 1517	"	3.0	0.60	0.55	1.01	0.33	.6	4	0	"
1189	11-26	1410 1415	"	3.0	0.61	0.51	0.99	0.31	.6	4	0	"
1190	12-2	1215 1220	"	4.0	0.84	0.44	1.00	0.37	.5	5	0	"
1191	12-4	1146 1154	WADDICOR-BRITZMAN	16.4	7.61	0.72	1.26	5.5	.6	10	0	"
1192	12-10	1000 1019	"	24.0	18.3	1.29	1.65	23.6	.6	11	0	"
1193	12-16	0838 0843	"	3.0	0.56	0.45	0.99	0.25	.6	4	0	"
1194	12-23	1510 1515	WADDICOR	3.0	0.62	0.45	0.98	0.28	.5	4	0	"
1195	12-30	1530 1535	"	3.0	0.64	0.45	0.97	0.29	.5	4	0	"
1196	1-3	1442 1452	"	7.0	2.04	1.23	1.07	2.5	.6	8	0	"
1197	1-6	1521 1536	WADDICOR-BRITZMAN	3.0	0.45	0.71	1.03	0.32	.5	6	0	"
1198	1-7	1404 1414	WADDICOR	6.0	1.50	1.07	1.14	1.6	.5	7	0	"
1199	1-10	0740 0750	TREAT-LEVY	28.0	28.7	2.23	2.08	64.2	.6	15</		

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./SEC. REC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT- ING	METH- OD	MEAS. REC. NO.	S. HT. CHANGE TOTAL	METER NO.	NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./SEC. REC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT- ING	METH- OD	MEAS. REC. NO.	S. HT. CHANGE TOTAL	METER NO.
1203	1-17	1333 1342	"	6.8	3.38	0.95	1.28	3.2	.6	8	-.01	"	1225	6-2	1520 1528	WADDICOR-SADDORIS	2.2	0.42	1.19	1.44	0.50	.5	6	0	FC52		
1204	1-8	1058 1845	TREAT-LEVY	87.0	236.	4.45	4.93	1050.	.6	17	-.38	FC45	1226	6-9	1423 1428	WADDICOR	5.0	1.06	0.49	1.46	0.52	.6	6	0	"		
1205	1-19	1058 1107	WADDICOR-BRITZMAN	16.5	10.8	1.41	1.63	15.3	.6	12	-.01	FC37	1227	6-16	1550 1556	"	4.8	1.21	0.39	1.43	0.47	.5	6	0	"		
1206	1-20	1333 1340	WADDICOR	5.0	1.80	0.42	1.34	0.75	.6	6	0	"	1228	6-23	1522 1528	"	2.8	0.58	0.55	1.31	0.32	.5	6	0	"		
1207	1-27	1335 1340	"	5.0	1.28	0.45	1.23	0.58	.5	6	0	"	1229	6-30	1033 1038	"	4.0	0.66	0.52	1.48	0.34	.5	5	0	"		
1208	1-31	1530 1540	"	7.0	2.62	1.07	1.34	2.8	.6	8	0	"	1230	7-7	1600 1606	GODFREY	3.5	0.65	0.35	1.43	0.23	.5	7	0	"		
1209	2-4	1450 1500	DE MARS	7.5	2.24	0.12	1.19	0.28	.6	6	0	FC34	1231	7-14	1505 1512	"	4.2	1.48	0.40	1.54	0.60	.5	7	0	"		
1210	2-10	1515 1520	WADDICOR	5.0	1.22	0.42	1.20	0.51	.5	6	0	FC37	1232	7-21	1430 1435	WADDICOR	4.0	0.98	0.56	1.57	0.55	.5	5	0	"		
1211	2-16	1503 1508	"	4.0	1.18	0.53	1.23	0.63	.6	5	0	"	1233	7-28	1320 1325	"	4.0	0.80	0.49	1.47	0.39	.5	5	0	"		
1212	2-17	1003 1007	WADDICOR-BRITZMAN	4.0	1.14	0.30	1.25	0.34	.5	6	0	"	1234	8-4	1500 1505	"	4.0	0.76	0.53	1.46	0.40	.5	5	0	"		
1213	2-24	1445 1450	WADDICOR	4.0	0.88	0.45	1.18	0.40	.5	5	0	"	1235	8-11	0955 1000	"	3.0	0.56	0.54	1.54	0.30	.5	4	0	"		
1214	3-10	1425 1428	"	1.0	0.05	1.00	1.35	0.05	FLOATS	5	0	"	1236	8-18	1030 1033	"	3.0	0.56	0.61	1.49	0.34	.6	4	0	"		
1215	3-11	1017 1026	WADDICOR-BRITZMAN	10.	3.37	1.04	1.55	3.5	.6	9	+0.01	FC37	1237	8-25	1025 1027	"	1.5	0.27	1.15	1.42	0.31	.6	3	0	"		
1216	3-17	1513 1515	WADDICOR	2.0	0.12	0.83	1.27	0.10	FLOATS	3	0	"	1238	9-1	0933 0935	"	2.0	0.48	0.79	1.50	0.38	.6	3	0	"		
1217	3-24	1550 1552	"	2.0	0.11	0.64	1.23	0.07	"	3	0	"	1239	9-8	1352 1355	WADDICOR-SCOTT	1.9	0.26	0.81	1.41	0.21	.5	6	0	"		
1218	4-22	1330 1335	"	4.0	0.92	0.82	1.36	0.75	.5	5	0	FC37	1240	9-15	1036 1040	WADDICOR	1.8	0.33	0.52	1.52	0.17	.5	5	0	"		
1219	4-30	1854 1902	WADDICOR-BRITZMAN	3.3	0.66	0.64	1.48	0.42	.6	5	0	"	1241	9-22	1443 1449	"	2.5	0.54	0.41	1.44	0.22	.5	6	0	"		
1220	5-1	1109 1119	WADDICOR	9.7	6.16	1.82	1.76	11.2	.6	8	0	"	1242	9-29	1503 1510	"	2.8	0.77	0.44	1.44	0.34	.5	6	0	"		
1221	5-5	1442 1447	"	3.0	0.59	0.54	1.36	0.32	.5	4	0	"															
1222	5-12	1335	"	3.0	0.68	0.46	1.36	0.31	.5	4	0	"															
1223	5-19	1000 1005	"	3.0	0.42	0.46	1.26	0.20	.5	4	0	"															
1224	5-26	1440 1445	"	3.0	0.42	0.40	1.37	0.17	.5	4	0	"															

FORM Cb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. 743-R

Daily discharge, in second-feet of SAN JOSE CREEK at Workmen Hill Road for the year ending September 30, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.4	0.4	1.0	0.3	1.0	1.8	2.4	1.6	1.2	0.4	0.5	0.5
2	0.4	0.4	1.0	0.3	1.0	1.6	2.3	1.5	1.1	0.4	0.4	0.5
3	0.3	0.4	0.9	0.3	1.0	1.9	2.2	1.5	1.1	0.4	0.4	0.5
4	0.3	0.4	1.0	0.3	0.9	1.9	2.1	1.5	1.1	0.3	0.3	0.5
5	0.3	0.4	1.0	0.3	0.9	1.9	2.0	1.5	1.1	0.3	0.3	0.5
6	0.3	0.4	0.9	0.3	0.9	2.0	1.8	1.5	1.1	0.2	0.3	0.4
7	0.3	0.4	0.9	0.3	0.9	2.0	1.8	1.5	1.1	0.2	0.3	0.4
8	0.3	0.4	0.9	0.3	0.9	2.1	1.8	2.3	1.1	0.2	0.4	0.4
9	0.3	0.4	0.8	0.3	0.9	2.1	1.8	2.7	1.1	0.2	1.3	0.4
10	0.3	0.4	0.8	0.3	0.9	2.2	1.7	3.1	1.1	0.3	0.8	0.4
11	0.3	0.4	0.7	0.3	0.9	2.2	1.6	3.5	1.1	0.3	0.8	0.5
12	0.3	0.4	0.6	0.4	0.9	2.2	1.5	3.7	1.1	0.3	0.8	0.5
13	0.3	0.4	0.5	1.1	4.71	2.2	1.5	3.9	1.1	0.3	0.8	0.5
14	0.3	1.6	0.4	1.2	12.9	2.2	1.4	3.5	1.2	0.3	0.8	0.5
15	0.3	2.3	0.3	0.7	4.5	2.2	1.4	3.1	1.2	0.3	0.8	0.5
16	0.3	0.9	0.2	0.6	3.0	3.5	1.5	2.7	1.2	0.3	0.8	0.5
17	0.3	0.9	0.1	0.6	1.6	3.7	1.6	2.4	1.2	0.3	0.8	0.4
18	0.4	1.0	0.1	0.6	1.4	3.7	1.7	2.1	1.1	0.4	0.8	0.4
19	0.4	1.0	0.1	24.5	1.0	2.2	1.8	1.9	1.0	0.4	0.8	0.4
20	0.4	1.0	0.1	3.7	1.1	2.5	1.8	1.5	0.9	0.4	0.8	0.4
21	0.4	1.0	0.1	2.8	1.2	1.2	2.1	1.5	0.8	0.5	0.8	0.4
22	0.4	1.0	0.1	3.0	1.3	2.4	2.2	1.5	0.7	0.5	0.8	0.3
23	0.4	1.0	0.1	3.9	1.4	5.9	2.3	1.5	0.7	0.5	0.7	0.3
24	0.4	1.0	0.1	5.7	1.5	7.0	2.2	1.6	0.7	0.5	0.5	0.3
25	0.4	1.0	0.2	3.7	1.6	2.5	2.0	1.6	0.6	0.5	0.5	0.3
26	0.4	1.2	0.2	6.2	1.6	3.3	1.9	1.6	0.5	0.5	0.5	0.3
27	0.4	1.2	0.2	2.4	1.7	3.0	1.8	1.6	0.5	0.5	0.5	0.3
28	0.4	1.2	0.3	1.4	1.7	3.0	1.7	1.6	0.5	0.5	0.5	0.4
29	0.4	1.2	0.3	1.2	1.1	3.0	1.6	1.5	0.5	0.5	0.5	0.4
30	0.4	1.0	0.3	1.1	1.1	10.1	1.6	1.4	0.5	0.5	0.5	0.4
31	0.4	1.0	0.3	1.1	1.1	7.5	1.3	1.3	0.5	0.5	0.5	0.4
10.9      24.7      14.5      75.7.5      635.9      369.2      55.4      64.1      28.3      11.7      19.3      12.8												

MEAN	0.35	0.82	0.47	24.4	22.7	11.9	1.85	2.07	0.94	0.38	0.62	0.43
ACRE- FEET	22.	49.	29.	1500.	1260.	732.	110.	127.	56.	23.	38.	25.
Remarks:												
YEAR OR PERIOD	MEAN 5.49 ACRE-FEET 3970.											

76714M Cb 12-53

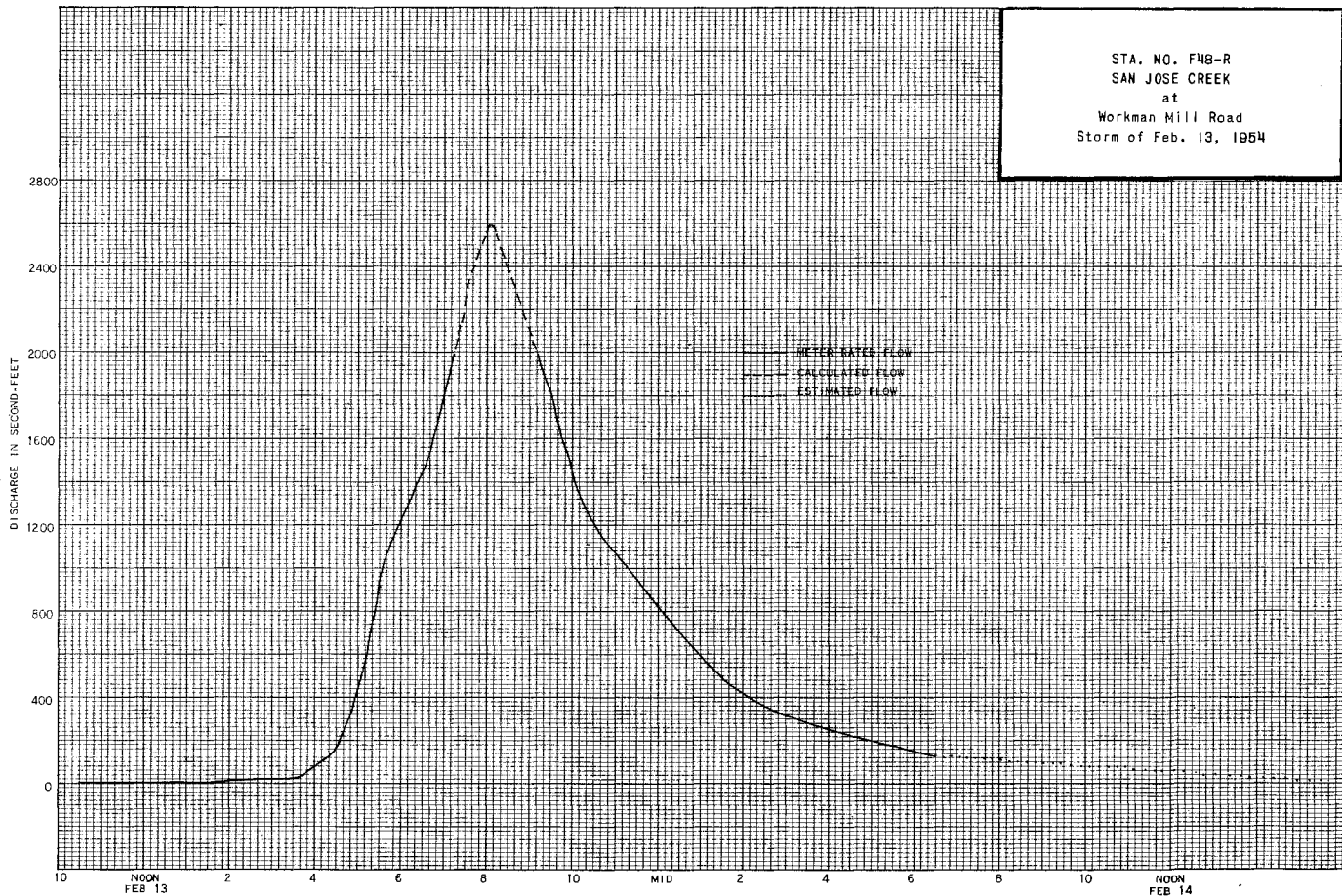
LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F18-R

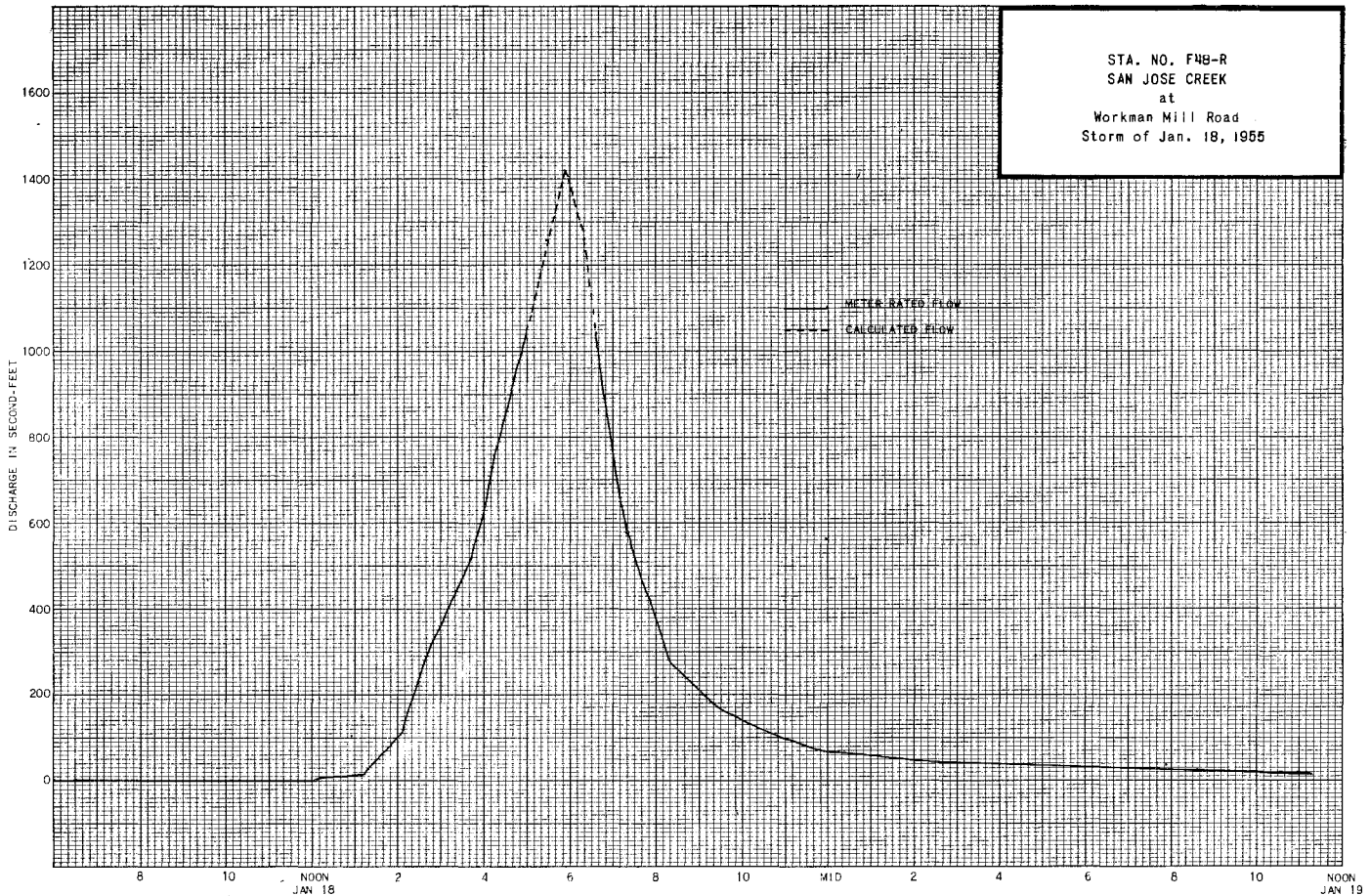
Daily discharge, in second-feet of SAN JOSE CREEK at Workman Mill Road for the year ending September 30, 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	b 0.4	b 0.3	b 0.4	b 0.4	1.4	1.0	b +	1.3	1.0	b 0.3	b 0.4	b 0.4
2	0.4	0.3	0.4	0.4	6.0	0.8	0.4	1.8	0.8	0.3	0.4	0.4
3	0.4	0.3	b	2.8	0.2	0.4		1.1	0.6	0.3	0.4	0.4
4	0.4	0.3	0.4	1.2	0.2	0.2		0.2	0.4	0.2	0.4	0.3
5	0.3	0.3	0.8	0.6	0.2	0.2		0.4	0.4	0.2	0.4	0.3
6	0.3	0.3	0.4	0.3	0.2	b 0.2		b 0.3	0.2	0.2	0.4	b 0.3
7	0.3	0.3	0.4	1.1	0.2	0.2		7.7	b 0.2	0.2	0.4	b 0.2
8	0.3	0.3	0.3	0.6	0.4	0.2		6.1	0.2	0.2	0.3	0.2
9	0.3	0.3	0.4	0.3	0.6	0.2		1.3	0.4	0.2	0.3	0.2
10	0.3	b	1.3	7.9	0.6	b 0.2		b 0.5	0.8	0.2	0.3	0.2
11	0.3	3.0	2.1	3.0	0.6	2.8		b 0.5	0.8	0.2	0.3	0.2
12	0.3	b 0.7	0.5	0.5	1.3	1.0		0.4	0.8	0.2	0.3	0.2
13	0.3	0.5	b	0.4	0.6	b 0.8		0.2	0.6	0.2	0.3	b 0.2
14	0.3	0.4	0.3	0.4	0.6	0.5		0.2	0.6	0.5	0.3	b 0.2
15	0.3	0.3	0.2	0.2	0.4	0.4		0.2	b 0.5	0.5	0.3	0.2
16	0.3	0.3	0.2	3.8	0.4	0.2		0.2	0.5	0.5	0.3	0.2
17	0.3	0.2	0.2	5.6	2.6	0.1		0.2	0.5	0.6	0.3	0.4
18	0.3	0.3	0.2	21.8	1.4	0.1		0.2	0.5	0.6	0.3	0.4
19	0.2	0.3	0.2	2.0	0.8	0.1		0.2	0.5	0.6	0.3	0.4
20	0.2	0.3	0.3	1.5	0.4	0.1	b +	b	0.4	0.6	0.3	0.4
21	0.2	0.3	b	0.7	0.4	0.1	0.1	0.2	0.4	0.6	0.3	0.1
22	0.2	0.3	0.3	0.7	0.4	0.1	0.5	0.2	0.3	0.5	0.3	0.2
23	0.2	0.3	0.3	0.7	0.4	0.1	b 0.2	0.2	0.3	0.5	0.3	0.4
24	0.2	0.3	0.3	0.6	0.4	0.1	0.1	0.2	0.3	0.5	0.3	0.1
25	0.2	0.3	0.3	0.6	0.4	0.1	0.1	b 0.2	0.3	0.4	0.3	0.1
26	0.3	0.3	0.3	b 0.6	0.6	0.1	+	0.2	0.3	0.4	0.3	0.1
27	0.3	0.3	0.3	0.6	3.1	0.1	+	0.2	0.3	0.4	0.3	0.4
28	0.3	0.3	0.3	0.6	3.4	+	b	0.8	0.3	0.4	0.3	0.6
29	0.3	b 0.3	0.3	0.8			+	1.1	b 0.3	0.4	0.3	0.6
30	0.3	0.4	0.3	1.2			0.1	1.2	0.3	0.4	0.4	0.8
31	b 0.3		0.3	4.7		b +		1.1		b 0.4	b 0.4	

	9.1	39.5	27.3	392.9	22.3	10.1	1.4	41.0	13.6	12.3	10.2	9.1
MEAN	0.29	1.32	0.88	12.7	0.80	0.33	0.05	1.32	0.45	0.40	0.33	0.30
ACRE- FEET	18	78.	54.	779	44.	18.	2.8	81.	27.	24.	20.	18.
Remarks:	+ = 0.05 CFS OR LESS											
	YEAR OR PERIOD										MEAN	
											1.61	
	ACRE-FEET										1160.	







STATION U 4-R  
SANTA ANITA CREEK above Santa Anita Dam

LOCATION: WATER-STAGE RECORDER, LAT.  $34^{\circ}11'30''$ , LONG.  $116^{\circ}00'59''$ , IN SW 1/4 NE 1/4 SEC. 10, T.1N., R.11W., AT HEAD OF HERMIT'S FALLS, 0.9 MILE UPSTREAM FROM BIG SANTA ANITA DAM AND 3 MILES NORTHEAST OF SIERRA MADRE. ALTITUDE OF GAGE ABOUT 1475 FEET ABOVE MEAN SEA LEVEL.

DRAINAGE AREA: 10.5 SQUARE MILES.

RECORDS AVAILABLE: JULY 1916 TO SEPTEMBER 1955.

AVERAGE DISCHARGE: 39 YEARS, 5.79 SECOND-FeET.

EXTREMES:

1953-54

MAXIMUM NOT DETERMINED JANUARY 24.

MINIMUM DAILY 0.2 SECOND-FOOT OCTOBER 3-11.

1954-55

MAXIMUM 76 SECOND-FeET NOVEMBER 11, GAGE HEIGHT 3.20 FEET.

MINIMUM DAILY 0.3 SECOND-FOOT SEPTEMBER 5-9, 11-16.

1916-55

MAXIMUM DISCHARGE, ABOUT 5200 SECOND-FeET MARCH 2, 1938, BASED ON INFLOW TO BIG SANTA ANITA RESERVOIR.

MINIMUM PRACTICALLY NO FLOW AUGUST 18 TO SEPTEMBER 14, 1929.

REMARKS: RECORDS GOOD, NO DIVERSIONS ABOVE STATION.

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

DISCHARGE MEASUREMENTS OF **SANTA ANITA CREEK**  
 above Santa Anita Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 **54**

NO.	DATE	RESIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE CFS	RAT. INR	METH. NO.	MEAN REC. NO.	R. CHANG. TOTAL	METER NO.
1283	10-3		U.S.G.S.	2.0	0.65	0.49	0.27	0.32	.5	12	0		
1284	10-15		U.S.G.S.	2.0	0.73	0.55	0.29	0.40	.6	12	0		
1285	10-29		U.S.G.S.	2.0	0.70	0.51	0.27	0.36	.6	12	0		
1286	11-23		U.S.G.S.	2.1	0.84	0.74	0.36	0.70	.6	13	0		
1287	12-9		U.S.G.S.	2.1	0.96	0.77	0.36	0.74	.6	12	0		
1288	12-23		U.S.G.S.	2.1	0.90	0.77	0.36	0.69	.6	13	0		
1289	1-4		U.S.G.S.	2.1	1.00	0.61	0.36	0.61	.6	13	0		
1290	1-20		U.S.G.S.	8.3	1.68	3.32	2.16	5.58	.5	20	+02		
1291	1-22		U.S.G.S.		CHANNELS		2.00	3.09		23	+05		
1292	1-28		U.S.G.S.	4.5	1.30	9.85	2.31	12.8	.5	10	+03		
1293	1-31	1110 1120	STUNDEN	3.0	1.23	5.93	2.20	7.30	.5	5		FC36	
1294	2-1		U.S.G.S.	3.2	0.80	4.60	2.18	3.65	.5	14	0		
1295	2-2	1345 1400	STUNDEN	4.0	0.86	5.81	2.14	4.95	.5	9	0	FC36	
1296	2-4		U.S.G.S.	7.0	0.94	4.01	1.96	3.77	.5	14	+08		
1297	2-8		U.S.G.S.	5.4	0.80	3.22	1.69	1.93	.5	16	+02		
1298	2-11		U.S.G.S.	4.1	0.69	3.96	1.87	2.73	.5	22	0		
1299	2-14		U.S.G.S.	22.0	7.39	6.82	2.15	50.4	.5	13	+02		
1300	2-16		U.S.G.S.	17.0	2.95	4.81	2.05	14.2	.5	19	+08		
1301	2-17	1550 1600	STUNDEN		CHANNELS		2.01	12.0	EST. .5	8		FC12	
1302	2-18		U.S.G.S.	9.5	1.51	4.74	2.00	7.16	.5	20	+01		
1303	2-20	1127 1140	WHISLER	7.5	1.55	4.65		7.18	SURF .5	11		FC5	
1304	2-21	1155 1205	WHISLER	5.5	1.82	3.02		5.51	.5	12		"	
1305	2-22	1030 1050	STUNDEN	4.0	1.72	2.79		4.84	.5	9		FC12	
1306	2-23		U.S.G.S.	4.6	2.23	1.75	1.58	3.91	.6	18	0		
1307	1-25		U.S.G.S.	4.6	2.06	1.68	1.56	3.46	.6	17	0		
1308	2-26	1250 1305	STUNDEN	5.0	2.01	1.59	1.57	3.15	.5	11	0	FC36	
1309	3-3		U.S.G.S.	4.6	1.71	1.86	1.53	3.18	.5	10	0		
1310	3-10		U.S.G.S.	4.6	1.62	1.64	1.51	2.65	.5	17	0		
1311	3-15		U.S.G.S.	4.6	1.53	1.46	1.47	2.23	.5	18	0		
1312	3-17	0925 0934	STUNDEN	7.0	1.46	4.73		6.94	.6	9		FC12	
1313	3-18		U.S.G.S.	3.5	0.93	4.57	2.09	4.25	.5	13	0		
1314	3-19	1125 1135	STUNDEN	3.5	0.71	5.20	1.85	3.68	.5	8		FC12	
1315	3-21		U.S.G.S.	7.9	2.37	8.86	2.02	21.0	.5				
1316	3-25		U.S.G.S.	6.7	2.92	4.90	1.42	14.3	.5	20			
1317	3-29	1135 1148	WHISLER	9.0	3.70	2.24		8.34	.6	9		FC5	
1318	3-29		U.S.G.S.	5.9	3.16	2.64	1.56	8.35	.6				
1319	4-1		U.S.G.S.	8.9	3.70	3.81	1.87	14.1	.5	29			
1320	4-5		U.S.G.S.	7.5	3.48	2.68	1.70	9.32	.5	20	0		
1321	5-6		U.S.G.S.	7.5	3.39	1.89	1.65	6.42	.5	21	0		
1322	4-12		U.S.G.S.	5.8	2.62	2.01	1.58	5.28	.5	14	0		
1323	4-15		U.S.G.S.	7.5	3.18	1.74	1.55	5.52	.5	20	0		
1324	4-19		U.S.G.S.	5.8	3.15	1.47	1.84	4.62	.5	14	0		
1325	4-22		U.S.G.S.	6.2	3.08	1.58	1.86	4.87	.5	18	0		
1326	4-23	1403 1411	WHISLER	7.8	3.22	1.24	1.87	4.01	.6	9	0	FC5	
1327	4-26		U.S.G.S.	5.8	3.08	1.54	1.87	4.74	.5	20	0		
1328	4-27	1048 1058	WHISLER	7.8	3.03	1.32	1.88	4.04	.6	10	0	FC5	
1329	4-29		U.S.G.S.	6.0	2.94	1.40	1.91	4.13	.5	24	0		
1353	7-29		U.S.G.S.	3.8	1.32	0.69	1.63	0.91	.6	20	0		
1354	8-5		U.S.G.S.	3.8	1.39	0.70	1.64	0.97	.6	17	0		
1355	8-13		U.S.G.S.	3.8	1.43	0.68	1.62	0.98	.6	20	0		
1356	8-19		U.S.G.S.	3.8	1.31	0.59	1.58	0.77	.6	19	0		
1357	8-26		U.S.G.S.	3.8	1.36	0.66	1.60	0.90	.6	20			
1358	8-31		U.S.G.S.	2.8	0.94	0.85	1.52	0.80	.5	15	+01		
1359	9-9		U.S.G.S.	3.7	1.20	0.55	1.55	0.66	.6	20	0		
1360	9-16		U.S.G.S.	3.7	1.20	0.56	1.55	0.67	.6	20	0		
1361	9-23		U.S.G.S.	3.7	1.11	0.49	1.51	0.54	.5	21	0		
1362	9-30		U.S.G.S.	3.7	1.19	0.59	1.53	0.70	.6	21	0		

NO.	DATE	RESIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE CFS	RAT. INR	METH. NO.	MEAN REC. NO.	R. CHANG. TOTAL	METER NO.
1330	5-5		U.S.G.S.	5.9	2.68	1.26	1.90	3.37	.5	24	0		
1331	5-10		U.S.G.S.	5.6	2.58	1.19	1.88	3.08	.5	29	0		
1332	5-13		U.S.G.S.	6.3	3.05	1.21	1.87	3.68	.5	14	0		
1333	5-20	0820 0855	STUNDEN	6.0	2.28	1.09	1.84	2.53	.5	14	0	FC50	
1334	5-20		U.S.G.S.	6.1	2.44	1.13	1.86	2.76	.5	23	0		
1335	5-24		U.S.G.S.	5.5	1.70	1.07	1.84	1.82	.5	12	0		
1336	5-27		U.S.G.S.	5.7	2.46	1.04	1.85	2.57	.5	23	0		
1337	6-1		U.S.G.S.	5.7	2.07	0.65	1.83	1.34	.5	20	0		
1338	6-3		U.S.G.S.	5.9	2.54	0.95	1.82	2.41	.5	24	0		
1339	6-7		U.S.G.S.	5.6	1.84	1.01	1.79	1.85	.5	23	0		
1340	6-10		U.S.G.S.	4.4	2.04	1.05	1.80	2.14	.5	17	0		
1341	6-15		U.S.G.S.	5.0	1.52	1.39	1.80	2.11	.5	25	0		
1342	6-17		U.S.G.S.	4.3	2.02	1.01	1.81	2.04	.6	17	0		
1343	6-22		U.S.G.S.	4.2	1.70	0.94	1.76	1.60	.6	22	0		
1344	6-24		U.S.G.S.	4.2	1.72	0.85	1.73	1.46	.6	22	0		
1345	6-28		U.S.G.S.	4.2	1.82	1.03	1.77	1.88	.6	21	0		
1346	7-1		U.S.G.S.	4.3	1.78	0.84	1.73	1.49	.6	22	0		
1347	7-8		U.S.G.S.	4.0	1.58	0.74	1.68	1.17	.6	17	0		
1348	7-12		U.S.G.S.	3.9	1.40	0.83	1.67	1.16	.5	21	0		
1349	7-15		U.S.G.S.	3.9	1.46	0.71	1.64	1.03	.6	17	0		
1350	7-19		U.S.G.S.	3.9	1.37	0.78	1.64	1.07	.6	21	0		
1351	7-22		U.S.G.S.	3.9	1.51	0.77	1.66	1.16	.6	19	0		
1352	7-29	0815 0830	STUNDEN	2.5	1.02	0.93	1.63	0.95	.5	7	0	FC50	

DISCHARGE MEASUREMENTS OF **SANTA ANITA CREEK**  
 above Santa Anita Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 **55**

NO.	DATE	RESIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE CFS	RAT. INR	METH. NO.	MEAN REC. NO.	R. CHANG. TOTAL	METER NO.
1363	10-7		U.S.G.S.	3.7	1.19	0.63	1.55	0.76	.6	21	0		
1364	10-14	0845 0900	STUNDEN	3.6	1.12	0.58	1.53	0.65	.5	10	0	FC50	
1365	10-22		U.S.G.S.	5.2	0.75	0.74	1.50	0.56	.5	16	0		
1366	11-4		"	3.7	1.22	0.61	1.54	0.76	.5	19	0		
1367	11-18		"	4.3	1.12	1.06	1.37	1.19	.6	17	0		
1368	11-24		"	4.2	0.99	0.99	1.38	0.98	.5	22	0		
1369	12-2		"	4.2	0.84	1.24	1.39	1.04	.5	22	0		
1370	12-6		"	4.4	1.06	1.33	1.36	1.41	.5	22	0		
1371	12-9		"	4.4	0.68	1.76	1.34	1.20	.5	23	0		
1372	12-13		"	3.2	0.51	3.17	1.32	1.62	.5	18	0		
1373	12-16		"	3.2	0.53	2.64	1.31	1.41	.5	18	0		
1374	12-20		"	3.3	0.52	2.51	1.31	1.31	.5	17	0		
1375	12-27		"	3.2	0.61	1.30	1.29	0.79	.5	16	+01		
1376	12-30		"	3.5	0.83	1.43	1.31	1.19	.5	17	0		
1377	1-2		"	4.6	1.10	2.25	1.33	2.48	.5	22	-01		
1378	1-7		"	4.6	1.42	1.70	1.31	2.42	.5	21	0		
1379	1-10		"	8.4	2.83	5.75	1.47	16.3	.5	26	0		
1380	1-12	0830 0840	STUNDEN	2.8	1.05	3.34	1.35	3.53	.5	7	0	FC36	
1381	1-13		U.S.G.S.	4.5	1.15	2.60	1.37	3.22	.5	20	0		
1382	1-18		"	5.9	2.75	3.14	1.52	8.64	.5	19	+03		
1383	1-21		"	5.8	1.76	2.81	1.40	4.95	.5	24	0		
1384	1-24		"	5.8	1.57	2.16	1.34	3.40	.5	22	0		
1385	1-27		"	5.1	1.63	2.22	1.42	3.61	.5	20	0		
1386	2-1		"	5.2	1.66	1.79	1.40	2.97	.5	20	0		
1387	2-4		"	5.2	1.49	1.70	1.40	2.53	.5	23	0		
1388	2-11		"	4.0	1.57	1.32	1.38	2.08	.6	20	0		
1389	2-15		"	4.0	1.46	1.26	1.37	1.66	.6	22	0		
1390	2-18		"	4.1	1.53	1.72	1.47	2.63	.				

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	MEAN REC. NO.	D. HT. CHANGE TOTAL	METER NO.	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	MEAN REC. NO.	D. HT. CHANGE TOTAL	METER NO.
1393	3-3		"	5.0	1.61	2.10	1.53	3.39	.5		21	0		1408	5-6		"	4.9	1.69	2.60	1.17	4.41	.5		22	0	
1394	3-6		"	4.9	1.38	1.86	1.50	2.57	.6		22	0		1409	5-10		"	4.8	1.92	2.09	1.17	4.01	.6		21	0	
1395	3-11		"	5.0	2.27	2.44	1.54	5.55	.6		23	0		1410	5-17		"	4.7	1.74	1.84	1.11	3.21	.5		25	0	
1396	3-14		"	4.9	1.73	1.97	1.46	3.41	.5		23	0		1411	5-24		"	4.7	1.81	1.45	1.10	2.63	.6		22	0	
1397	3-17		"	4.5	2.25	1.92	1.45	4.31	.6		21	0		1412	6-3		"	4.6	1.74	1.26	1.07	2.19	.6		21	0	
1398	3-22		"	4.5	1.68	1.87	1.41	3.14	.6		21	0		1413	6-10		"	4.6	1.53	1.31	1.05	2.01	.5		19	0	
1399	3-25		"	4.5	1.70	1.53	1.40	2.60	.6		22	0		1414	6-17		"	4.6	1.51	1.22	1.05	1.84	.5		20	0	
1400	3-29		"	4.5	1.62	1.66	1.39	2.69	.6		22	0		1415	6-24		"	4.3	1.33	1.15	1.03	1.53	.5		24	0	
1401	4-5		"	4.4	1.49	1.52	1.37	2.26	.6		19	0		1416	6-28		"	4.0	1.31	1.25	1.04	1.64	.5		22	0	
1402	4-13		"	4.1	1.30	1.44	1.36	1.86	.6		20	0		1417	7-8		"	4.0	1.20	1.16	1.02	1.39	.5		22	0	
1403	4-19		"	4.1	1.36	1.43	1.36	1.95	.6		19	0		1418	7-13		"	4.0	1.17	1.10	1.00	1.29	.5		22	0	
1404	4-22		"	4.2	1.75	1.80	1.42	3.16	.6		20	0		1419	7-21		"	2.9	0.84	1.27	1.00	1.07	.5		16	0	
1405	4-26		"	4.1	1.63	1.63	1.40	2.66	.6		19	0		1420	8-5		"	2.9	0.83	1.22	0.99	1.01	.5		17	0	
1406	5-1		"	6.0	3.61	2.71	1.63	9.78	.5		23	+0.06		1421	8-11		"	2.5	0.72	1.04	0.97	0.75	.5		15	0	
1407	5-3		"	5.7	1.88	2.54	1.22	4.78	.5		24	0		1422	8-18		"	2.5	0.72	0.96	0.94	0.69	.5		15	0	
														1423	9-13		"	2.1	0.53	0.77	0.91	0.41	.5		13	0	
														1424	9-15	0750 0800	STUNDEN	2.1	0.50	1.85	0.91	0.37	.5		8	0	FC50
														1425	10-7		U. S. G. S.	2.1	0.51	0.86	0.91	0.44	.5		13	0	

16014X Cb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. 04-R

Daily discharge, in second-foot of SANTA ANITA CREEK above Santa Anita Dam for the year ending September 30, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.3	0.4	0.6	0.6	5.0	3.1	1.3	3.9	2.1	1.4	0.8	0.6
2	0.3	0.4	0.7	0.6	4.0	2.9	1.3	3.6	2.0	1.3	0.8	0.6
3	0.2	0.4	0.7	0.6	4.0	2.9	1.1	3.2	2.2	1.2	0.8	0.6
4	0.2	0.5	1.2	0.6	4.0	2.9	1.0	3.1	2.2	1.2	0.8	0.6
5	0.2	0.8	0.8	0.6	3.0	2.8	9.8	3.0	2.2	1.1	0.9	0.6
6	0.2	0.7	0.8	0.6	3.0	2.6	8.8	3.0	2.0	1.1	0.8	0.6
7	0.2	0.7	0.8	0.6	3.0	2.6	7.2	3.0	2.0	1.0	0.8	0.6
8	0.2	0.6	0.8	0.6	3.0	2.6	6.3	3.1	2.0	1.0	0.7	0.6
9	0.2	0.6	0.7	0.7	3.0	2.6	6.0	3.4	2.2	1.0	0.7	0.6
10	0.2	0.6	0.7	0.7	3.0	2.6	5.7	3.2	2.0	1.0	0.8	0.6
11	0.2	0.6	0.6	0.7	3.0	2.6	5.7	3.0	2.0	1.0	0.8	0.6
12	0.3	0.6	0.7	1.1	3.0	2.6	5.2	2.9	2.0	1.0	0.9	0.6
13	0.4	0.7	0.7	2.1	14.0	2.6	5.2	2.9	2.3	1.0	0.9	0.6
14	0.4	1.7	0.6	1.2	6.0	2.6	5.4	2.7	2.1	1.0	0.9	0.6
15	0.4	1.5	0.6	1.6	2.5	2.4	5.4	2.9	2.0	0.9	0.8	0.6
16	0.4	1.0	0.6	1.2	1.5	1.0	5.2	2.8	2.0	0.9	0.8	0.6
17	0.4	0.8	0.7	1.2	1.2	1.0	4.7	2.7	2.0	0.9	0.8	0.6
18	0.4	0.7	0.7	1.9	7.0	4.0	4.7	2.6	1.8	0.9	0.8	0.6
19	0.4	0.6	0.7	1.3	7.0	3.0	4.6	2.6	1.6	0.9	0.8	0.6
20	0.4	0.7	0.7	1.0	7.0	1.8	4.8	2.7	1.6	0.9	0.8	0.6
21	0.4	0.7	0.7	5.0	6.0	2.8	5.0	2.8	1.5	1.0	0.8	0.5
22	0.4	0.7	0.7	3.0	5.0	3.2	4.8	2.6	1.4	0.9	0.8	0.5
23	0.5	0.7	0.7	4.0	4.0	1.0	4.8	2.5	1.4	0.9	0.8	0.5
24	0.5	0.7	0.7	1.3	1.0	4.8	4.8	2.5	1.4	1.0	0.8	0.5
25	0.4	0.7	0.7	1.6	3.8	1.5	4.7	2.5	1.4	1.0	0.8	0.5
26	0.4	0.7	0.6	2.0	3.6	1.0	4.7	2.5	1.8	0.9	0.8	0.5
27	0.4	0.7	0.6	1.5	3.3	9.0	4.8	2.5	1.8	0.9	0.8	0.5
28	0.4	0.6	0.6	1.3	3.1	8.0	4.6	2.5	1.6	0.8	0.7	0.6
29	0.4	0.6	0.6	1.1	1.1	1.1	4.0	2.6	1.5	0.8	0.6	0.6
30	0.4	0.6	0.6	9.0	3.0	4.0	2.5	1.4	0.8	0.8	0.6	0.7
31	0.4	0.6	0.6	7.0	1.5	1.5	2.3	2.3	0.8	0.8	0.6	0.6
10.5                      21.3                      21.5                      53.2                      34.6.8                      26.3.4                      187.9                      89.1                      55.5                      30.5                      24.3                      17.4												
MEAN	0.34	0.71	0.69	17.2	12.4	8.50	6.26	2.84	1.85	0.98	0.78	0.58
ACRE- FEET	21.	42.	43.	1060.	688.	522.	373.	175.	110.	60.	48.	35.

Remarks:

YEAR OR PERIOD MEAN 4.38  
ACRE-FEET 3180.

78714M C4 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. 114-R

Daily discharge, in second-feet of SANTA ANITA CREEK above Santa Anita Dam for the year ending September 30, 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.7	0.7	1.0	3.2	3.1	3.6	2.4	1.0	2.3	1.7	0.8	0.4
2	0.7	0.7	1.0	2.4	3.1	3.4	2.3	6.2	2.2	1.7	0.8	0.4
3	0.7	0.8	5.0	2.3	2.9	3.4	2.3	5.4	2.0	1.7	0.8	0.4
4	0.7	0.7	2.0	2.1	2.7	3.2	2.3	4.6	1.9	1.6	0.9	0.4
5	0.7	0.7	2.0	2.1	2.6	3.1	2.3	4.5	1.9	1.6	0.9	0.3
6	0.8	0.7	1.6	2.9	2.4	2.8	2.3	4.3	2.0	1.5	0.9	0.3
7	0.7	0.7	1.4	2.7	2.4	2.7	2.2	5.9	2.0	1.5	0.8	0.3
8	0.7	0.6	1.3	2.6	2.4	2.4	2.1	5.2	2.0	1.4	0.8	0.3
9	0.6	0.6	1.5	2.4	2.3	2.4	2.0	4.5	2.0	1.3	0.8	0.3
10	0.6	0.7	2.0	1.4	2.2	3.4	1.9	3.9	2.1	1.3	0.8	0.4
11	0.6	7.0	1.9	4.5	2.2	6.1	1.9	3.4	2.1	1.3	0.7	0.3
12	0.6	4.0	1.8	3.6	2.1	3.9	1.8	3.2	2.1	1.3	0.7	0.3
13	0.6	3.0	1.7	3.3	2.0	3.7	1.8	3.1	2.1	1.2	0.7	0.3
14	0.6	3.0	1.6	2.7	2.0	3.4	1.9	3.2	2.1	1.2	0.7	0.3
15	0.6	2.0	1.5	2.6	2.0	3.2	1.9	3.2	2.1	1.1	0.7	0.3
16	0.5	2.0	1.4	5.2	2.1	5.4	1.9	3.1	1.9	1.1	0.7	0.3
17	0.5	1.5	1.4	3.7	3.6	4.5	1.9	3.2	1.9	1.0	0.7	0.4
18	0.6	1.3	1.2	1.2	2.9	3.9	2.0	3.1	1.8	1.0	0.7	0.4
19	0.6	1.2	1.2	6.0	2.7	3.7	2.0	2.8	1.7	1.0	0.7	0.4
20	0.6	1.2	1.2	5.0	2.4	3.6	1.9	2.7	1.7	1.0	0.6	0.4
21	0.6	1.1	1.1	4.6	2.4	3.4	2.1	2.7	1.6	1.0	0.6	0.5
22	0.6	1.1	1.0	4.1	2.2	3.2	3.3	2.7	1.5	1.0	0.6	0.5
23	0.6	1.0	1.0	3.7	2.1	2.9	2.6	2.7	1.5	0.9	0.6	0.6
24	0.7	1.0	0.9	3.6	2.1	2.7	2.3	2.7	1.6	0.9	0.6	0.6
25	0.7	1.0	0.9	3.9	2.0	2.4	2.2	2.7	1.7	0.9	0.6	0.6
26	0.6	0.9	0.8	3.7	2.8	2.4	2.6	2.6	1.8	0.9	0.5	0.6
27	0.6	0.9	0.8	3.6	5.0	2.4	2.2	2.4	1.7	0.8	0.4	0.6
28	0.6	0.9	1.0	3.4	3.9	2.6	2.1	2.3	1.7	0.8	0.4	0.6
29	0.6	1.0	1.1	3.4		2.6	2.1	2.2	1.8	0.9	0.4	0.6
30	0.6	1.0	1.2	3.6		2.6	1.3	2.3	1.8	0.9	0.4	0.5
31	0.6	1.2	1.2	3.4		2.6		2.3	1.8	0.9	0.4	
	19.4	43.0	44.7	126.3	72.8	102.6	75.6	113.1	56.6	36.4	20.7	12.6
MEAN	0.63	1.43	1.44	4.07	2.60	3.31	2.52	3.65	1.89	1.17	0.67	0.42
ACRE- FEET	38.	85.	89.	251.	144.	204.	150.	224.	112.	72.	41.	25.

Remarks:

YEAR OR PERIOD MEAN ACRES- FEET 1.38 1440.

STATION F110B-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, 1951 TO APRIL 17, 1952. AN H.C.F. RECORDER WAS IN SERVICE FROM APRIL 17, 1952 TO FEBRUARY 16, 1954. NO RECORDER RECORD FROM FEBRUARY 16, 1954 TO SEPTEMBER 30, 1955, DUE TO SLUICING OPERATIONS.

REGULATION: FLOW ENTIRELY REGULATED BY SANTA ANITA DAM.

DIVERSIONS: NONE.

RECORDS AVAILABLE: FEBRUARY 6, 1948 TO SEPTEMBER 30, 1955. 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.

FD-724 (Rev. 12-53)

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. FI198-R

Daily discharge, in second-feet of SANTA ANITA CREEK below Santa Anita Dam, for the year ending September 30, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.9	0.8	0.6	0.6	3.2	2.0	2.1	3.8	2.3	1.0	1.0	1.0
2	0.9	0.8	0.6	0.6	6.1	1.8	2.3	3.7	2.3	1.0	1.0	1.0
3	0.9	0.8	0.6	0.6	2.8	0.7	2.3	3.6	2.3	1.0	1.0	1.0
4	0.9	0.8	0.7	0.6	4.4	8.9	2.3	3.5	2.3	1.0	1.0	1.0
5	0.9	0.8	0.6	0.6	4.5	+	3.3	3.4	2.3	1.0	1.0	0.9
6	0.9	0.8	0.6	0.6	4.4	+	4.8	3.3	2.3	0.9	1.0	0.9
7	0.9	0.7	0.6	0.6	+	+	2.2	3.3	2.3	0.0	1.1	0.9
8	0.9	0.6	0.6	0.6	+	+	2.2	3.3	2.3	0.0	1.0	0.9
9	0.9	0.6	0.6	0.6	0.4	+	3.3	3.3	2.3	0.0	1.0	0.9
10	0.9	0.6	0.6	0.6	1.1	0.8	1.5	3.0	2.3	0.2	1.0	0.9
11	0.9	0.6	0.6	0.6	1.1	1.2	5.5	5.5	2.3	0.2	1.0	0.8
12	0.9	0.6	0.6	0.4	1.1	1.2	5.4	2.8	2.3	0.1	1.3	0.8
13	0.9	0.6	0.6	+	0.4	1.2	5.0	2.7	2.3	0	1.3	0.7
14	0.9	0.4	0.6	+	+	1.2	4.9	2.7	2.3	0	1.3	0.7
15	0.9	0.1	0.6	+	+	1.2	4.8	2.7	2.3	0.4	1.3	0.7
16	0.9	0.1	0.6	+	16.4	1.2	4.7	2.6	2.3	0.4	1.1	0.6
17	0.9	0.1	0.6	+	3.6	1.0	4.6	2.6	2.3	0.9	1.2	0.6
18	0.8	0.1	0.6	+	3.4	1.8	4.5	2.5	2.3	0.9	1.2	0.6
19	0.8	0.1	0.6	14.5	3.6	2.5	4.4	2.5	2.3	0.9	1.2	0.6
20	0.8	0.1	0.6	3.0	3.1	+	4.4	2.5	2.3	0.9	1.2	0.6
21	0.8	0.6	0.6	+	3.0	2.2	4.1	2.5	2.3	1.1	1.2	0.6
22	0.9	0.6	0.6	+	2.8	2.2	4.1	2.5	2.3	1.2	1.2	0.6
23	0.8	0.6	0.6	+	1.6	9.1	4.0	2.5	2.3	1.2	1.2	0.6
24	0.8	0.6	0.6	+	2.9	10.8	4.0	2.4	2.3	1.2	1.2	0.6
25	0.8	0.6	0.6	3.2	19.9	10.8	4.0	2.4	2.3	1.2	1.2	0.6
26	0.8	0.6	0.6	3.0	9.2	10.8	4.0	2.4	2.3	1.2	1.2	0.7
27	0.8	0.6	0.6	12.9	+	10.8	4.0	2.4	2.3	1.2	1.2	0.7
28	0.8	0.6	0.6	10.4	+	10.8	4.0	2.4	2.3	1.2	1.2	0.8
29	0.8	0.6	0.6	3.0	+	14.4	4.2	2.4	2.3	1.2	1.2	0.7
30	0.8	0.6	0.6	6.5	+	16.6	3.9	2.3	2.3	1.1	1.1	0.7
31	0.8	0.6	0.6	9.4	+	16.6	3.9	2.3	2.3	1.1	1.1	0.7
MEAN	0.86	0.55	0.60	15.4	15.1	5.73	11.6	2.80	2.18	0.79	1.15	0.74
ACRE- FEET	53.	33.	37.	945.	839.	352.	688.	172.	130.	49.	71.	44.

Remarks: + = 0.05 cfs or less

YEAR OR PERIOD MEAN ACRE-FEET 4.71 3410.

FD-724 (Rev. 12-53)

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. FI198-R

Daily discharge, in second-feet of SANTA ANITA CREEK below Santa Anita Dam, for the year ending September 30, 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	1.5	10.1	2.4	2.3	11.0	2.1	1.6	0.9	0.7
2	0	0	0	1.5	17.2	2.4	2.3	6.7	2.0	1.5	0.9	0.7
3	0	0	0	1.5	17.2	2.4	2.3	6.7	2.0	1.5	0.9	0.6
4	0	0	0	1.5	17.2	2.4	2.3	6.7	2.0	1.4	1.2	0.5
5	0	0	0	1.5	17.2	2.4	2.3	6.7	2.0	1.4	1.1	0.4
6	0	0	0	1.5	17.2	2.4	2.3	6.7	2.0	1.3	1.0	0.4
7	0	0	0	1.5	0	2.4	2.3	6.2	2.0	1.3	1.0	0.3
8	0	0	0	1.5	0	2.4	2.3	5.3	2.0	1.3	1.0	0.3
9	0	0	0	1.5	0	2.4	2.3	4.6	2.0	1.3	1.0	0.3
10	0	0	0	1.5	0	2.4	2.4	3.9	2.0	1.3	1.0	0.3
11	0	0	0	1.5	0	2.4	2.4	3.3	2.0	1.3	1.0	0.3
12	0	0	0	1.5	0	2.4	2.4	3.3	2.0	1.3	1.0	0.4
13	0	0	0	1.5	0	2.4	2.4	3.3	2.0	1.3	1.0	0.4
14	0	0	0	1.5	1.6	2.4	2.4	3.3	1.8	1.2	1.0	0.4
15	0	0	0	1.5	1.1	2.4	2.4	3.3	1.8	1.2	1.0	0.4
16	0	0	0	1.5	1.7	2.4	2.4	3.3	1.8	1.2	1.0	0.4
17	0	0	0	1.5	2.2	2.4	2.4	3.1	1.8	1.2	1.0	0.4
18	0	0	0	1.5	2.3	13.8	14.5	3.0	1.8	1.2	1.0	0.5
19	0	0	0	1.5	10.1	0	26.3	2.9	1.8	1.2	1.0	0.5
20	0	0	0	1.5	15.1	0	18.5	2.8	1.7	1.2	0.9	0.6
21	0	0	0	1.5	10.4	2.4	10.7	2.8	1.7	1.2	0.9	0.6
22	0	0	0	1.5	0	2.4	3.4	2.7	1.7	1.2	0.9	0.6
23	0	0	0	1.5	0	2.4	3.7	2.6	1.7	1.2	0.9	0.6
24	0	0	0	1.5	0	2.4	2.4	2.5	1.7	1.1	0.8	0.6
25	0	0	0	1.5	0	2.4	2.4	2.4	1.7	1.1	0.8	0.6
26	0	0	0	1.5	0	2.4	2.4	2.4	1.7	1.0	0.8	0.6
27	0	0	0	1.5	0	2.4	2.4	2.3	1.6	1.0	0.8	0.6
28	0	0	0	1.5	0	2.4	2.3	1.6	1.0	0.8	0.8	0.6
29	0	0	0	1.5	0	2.4	2.2	2.2	1.6	1.0	0.7	0.6
30	0	0	0	1.5	0	2.3	1.4	2.2	1.6	1.0	0.7	0.6
31	0	0	0	1.5	0	2.3	2.1	2.1	1.6	1.0	0.7	0.6
MEAN	0	0	0.842	3.19	2.95	3.88	4.84	3.71	1.77	1.22	0.93	0.49
ACRE- FEET	0	0	52.	196.	164.	239.	288.	228.	109.	75.	57.	29.

Remarks:

YEAR OR PERIOD MEAN ACRE-FEET 1.98 1440.

STATION F260-R  
SANTA ANITA WASH at Foothill Boulevard

LOCATION: WATER-STAGE RECORDER, LAT. 34°09'03", LONG. 118°01'37", ON THE DOWN-STREAM SIDE ON THE LEFT (EAST) END OF FOOTHILL BOULEVARD BRIDGE, ABOUT 1 MILE NORTH OF ARCADIA, AND APPROXIMATELY 0.2 MILE BELOW THE CONFLUENCE OF SANTA ANITA CREEK AND SIERRA MADRE WASH, THE FORMER STATION F260-F WAS ABOUT 0.4 MILE UPSTREAM FROM FOOTHILL BOULEVARD. ELEVATION OF ZERO GAGE HEIGHT, 519.70 FEET.

DRAINAGE AREA: 17.2 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - SAND, GRAVEL AND BOULDERS. BANKS PROTECTED WITH WIRE AND ROCK. NO ARTIFICIAL CONTROL.

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

RECORDER: INSTALLED APRIL 22, 1938 OVER AN 18-INCH DIAMETER CORRUGATED IRON PIPE STILLING WELL. AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1953 TO SEPTEMBER 30, 1955.

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 SIERRA MADRE WASH AND SANTA ANITA CREEK FOR SPREADING IN SIERRA MADRE SPREADING GROUNDS. THE FLOOD CONTROL DISTRICT DIVERTS WATER FROM SANTA ANITA CREEK FOR SPREADING AT MOUTH OF SANTA ANITA CANYON.

RECORDS AVAILABLE: APRIL 22, 1938 TO SEPTEMBER 30, 1955. FOR RECORDS PRIOR TO APRIL 1938, SEE STATIONS F21-R, F119-R AND F260-R.

EXTREMES OF DISCHARGE:

1953-54  
MAXIMUM NOT DETERMINED.  
MINIMUM NO FLOW MOST OF YEAR.  
1954-55  
MAXIMUM NOT DETERMINED.  
MINIMUM NO FLOW MOST OF YEAR.  
1936-55  
MAXIMUM NOT DETERMINED.  
MAXIMUM OUTFLOW FROM SANTA ANITA DAM, 5070 SECOND-FEET MARCH 2, 1938.  
MINIMUM NO FLOW AT VARIOUS TIMES

ACCURACY: POOR.

REMARKS: SOME FLOW PERCOLATED BEFORE REACHING STATION.

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

DISCHARGE MEASUREMENTS OF SANTA ANITA WASH  
AT Foothill Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 19 54.

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. DD	MEAN SEC. NO.	D. CHANGE TOTAL	METER NO.
495	11-14	1230 1240	STUNDEN	10.0	4.70	2.45	7.33	11.5	FLOATS	6	1	-.02	"
496	1-19	0436 0459	STUNDEN-MURPHY	47.0	57.7	8.77	9.88	506.	"	11	-.05	"	"
497	1-19	0612 0620	"	44.0	28.7	6.25	8.80	189.	"	10	0	"	"
498	1-19	0701 0719	"	44.0	33.4	9.61	8.35	321.	"	11	+.10	FC36	"
499	1-19	1647 1716	"	42.0	27.0	9.74	8.55	263.	"	10	-.10	"	"
500	1-20	0912 0926	"	CHANNELS		8.69	52.5	-6	15	-.01	"	"	"
501	1-20	1547 1553	"	16.5	4.68	3.93	8.52	18.4	-6	11	0	"	"
502	1-24	1457 1508	"	CHANNELS		8.43	47.8	-6	15	-.02	"	"	"
503	1-25	0951 0958	"	50.0	65.8	9.70	9.61	638.	-6	12	-.42	"	"
504	1-26	1039 1039	"	16.0	3.08	3.18	8.19	9.8	-6	10	+.01	"	"
505	1-30	0950 0950	STUNDEN	CHANNELS		8.63	82.6	-6	17	-.02	"	"	"
506	1-31	0920 0945	"	"		9.27	73.4	-6	19	0	"	"	"
507	2-2	0800 0830	"	"		9.16	73.2	-6	29	0	"	"	"
508	2-4	1105 1130	STUNDEN-INGRAM	51.0	54.0	11.0	9.75	592.	-5	15	+.10	"	"
509	2-13	1339 1347	STUNDEN-MURPHY	25.5	17.0	5.78	8.42	72.0	-6	9	+.05	FC12	"
510	2-13	1822 1836	STUNDEN-MURPHY	35.0	29.6	7.80	9.04	231.	-6	9	-.06	FC12	"
511	2-13	2000 2012	"	28.5	11.6	5.50	8.89	63.8	-6	10	-.02	"	"
512	2-17	1355 1409	STUNDEN	CHANNELS		9.18	99.0	-5	6	18	0	"	"
513	2-20	3900 0955	WHISLER	"		1.8	SURF	10				FC5	"
514	2-21	0802 0812	"	7.0	0.83	2.29	1.9	SURF	9			"	"
515	2-22	1450 1500	STUNDEN	8.5	2.06	2.77	5.7	-5	7			FC12	"
516	2-25	1350 1410	STUNDEN-GODFREY	41.0	28.8	8.92	9.54	257.	-6	14	0	"	"
517	2-25	1424 1453	"	43.0	33.0	7.79	9.54	257.	-6	18	0	"	"
518	2-26	1008 1058	"	42.0	21.4	6.73	9.47	144.	-6	18	-.14	"	"
519	2-26	1105 1122	"	CHANNELS		9.45	70.7	-5	10	+.01	"	"	"
520	3-3	1100 1110	STUNDEN	1.2	0.48	2.06	9.30	0.99	FLOATS	4	0	"	"
521	3-4	1230 1245	"	CHANNELS		9.27	35.1	-5	12	-.09	FC12	"	"
522	3-4	1330 1345	"	29.0	16.4	6.82	9.80	112.	-6	12	+.10	"	"
523	3-4	1415 1425	"	20.0	12.5	7.38	9.56	92.2	-5	7	-.05	"	"
524	3-4	1500 1515	"	27.0	17.6	8.69	9.51	153.	-5	9	+.20	"	"
525	3-4	1530 1545	"	23.0	14.0	6.87	9.46	96.2	-5	8	-.08	"	"

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. DD	MEAN SEC. NO.	D. CHANGE TOTAL	METER NO.
526	3-16	2022 2035	STUNDEN-MURPHY	25.0	7.06	2.68	9.39	18.9	-6	9	0	"	"
527	3-17	1340 1350	STUNDEN	3.5	0.71	2.25	9.41	1.6	-5	7	0	"	"
528	3-20	0629 0634	STUNDEN-MURPHY	9.0	2.92	3.63	9.53	10.6	-6	7	+.01	"	"
529	3-24	1105 1115	STUNDEN	8.0	1.47	2.45	9.48	3.6	-5	7	0	"	"
530	4-5	1012 1025	STUNDEN-WHISLER	CHANNELS		9.75	95.4	-6	18	0	"	"	"
531	4-5	1315 1315	WHISLER-STUNDEN	"		9.73	48.4	-5	6	19	-.01	"	"
532	4-7	1315 1322	WHISLER	"		10.00	53.3	-5	9	+.06	FC5	"	"
533	4-8	0753 0802	"	10.0	2.19	3.01	6.6	-6	10			"	"
534	4-8	0940 0947	"	49.5	28.5	8.60	10.12	243.	-5	11	-.08	"	"
535	4-8	0953 1001	"	49.0	28.5	7.05	201.	-5	10			"	"
536	4-8	1026 1026	"	50.0	21.7	7.19	156.	-5	12			"	"
537	4-8	1125 1130	"	17.5	7.15	6.50	46.5	FLOATS	7			"	"

DISCHARGE MEASUREMENTS OF SANTA ANITA WASH  
AT Foothill Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 19 55.

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. DD	MEAN SEC. NO.	D. CHANGE TOTAL	METER NO.
538	11-11	0453 0505	STUNDEN-MURPHY	12.0	5.62	3.22	18.1	-6	8			FC36	"
539	12-3	2035 2040	"	13.0	3.90	5.92	23.1	-6	7			"	"
540	12-9	2242 2250	"	18.5	4.9	6.02	7.10	29.5	-6	8	0	"	"
541	1-1	1745 1755	STUNDEN	30.0	7.62	5.17	7.41	39.4	FLOATS	9	-.02	"	"
542	1-6	1300 1310	"	10.0	1.60	4.75	7.42	7.6	-5	6	0	FC36	"
543	1-16	1130 1140	STUNDEN-MC MURRAY	CHANNELS		7.89	59.0	-5	6	7	-.23	"	"
544	1-18	1640 1650	STUNDEN	9.0	3.20	4.97	8.50	15.9	-5	6	0	"	"
545	2-24	1300 1305	"	1.0	0.11	1.91	8.60	0.21	FLOATS	4	0	"	"
546	2-27	1340 1345	STUNDEN-DEL CORSO	2.0	0.42	3.34	8.55	1.4	-5	5	0	FC36	"
547	5-12	0940 0945	STUNDEN	1.0	0.12	1.83	9.80	0.22	FLOATS	5	0	"	"

76074M Gb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F260-R

Daily discharge, in second-feet of SANTA ANITA WASH at Foothill Boulevard for the year ending September 30, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	3.0	2.0	2.5	2.8	0	0	0	0
2	0	0	0	0	4.8	1.9	1.3	2.7	0	0	0	0
3	0	0	0	0	2.0	0.9	5.4	2.7	0	0	0	0
4	0	0	0.6	0	4.0	8.2	9.5	2.6	0	0	0	0
5	0	0	0	0	3.0	0.5	3.8	2.5	0	0	0	0
6	0	0	0	0	3.0	0.2	3.4	2.4	0	0	0	0
7	0	0	0	0	0	+	1.5	2.4	0	0	0	0
8	0	0	0	0	0	+	2.3	2.3	0	0	0	0
9	0	0	0	0	0	+	5.0	2.2	0	0	0	0
10	0	0	+	0	0.6	+	1.5	1.1	0	0	0	0
11	0	0	0	0	0	0	6.0	1.5	0	0	0	0
12	0	0	0	1.9	0	0	5.0	0	0	0	0	0
13	0	0	0	0	4.1	0	5.0	0	0	0	0	0
14	0	2.0	0	0	2.0	0	4.5	0	0	0	0	0
15	0	0	0	0	0	0	4.8	0	0	0	0	0
16	0	0	0	0	1.5	1.1	4.7	0	0	0	0	0
17	0	0	0	0	3.2	1.7	4.5	0	0	0	0	0
18	0	0	0	3.0	1.2	1.4	4.5	0	0	0	0	0
19	0	0	0	2.9	1.3	8.0	4.4	0	0	0	0	0
20	0	0	0	3.0	2.7	3.2	4.3	0	0	0	0	0
21	0	0	0	0	2.0	1.3	4.2	0	0	0	0	0
22	0	0	0	0	5.6	1.8	4.1	0	0	0	0	0
23	0	0	0	0	1.1	1.1	4.0	0	0	0	0	0
24	0	0	0	1.2	3.1	4.6	3.9	0	0	0	0	0
25	0	0	0	1.7	2.0	3.3	3.8	0	0	0	0	0
26	0	0	0	3.0	9.4	3.5	4.0	0	0	0	0	0
27	0	0	0	1.4	1.0	4.2	4.0	0	0	0	0	0
28	0	0	0	1.1	1.0	4.4	5.0	0	0	0	0	0
29	0	0	0	3.0	0	5.3	4.0	0	0	0	0	0
30	0	0	0	5.5	0	2.0	3.9	0	0	0	0	0
31	0	0	0	5.5	0	5.0	0	0	0	0	0	0
+	2.0	0.6		598.9	287.5	107.1	238.8	26.2	0	0	0	0

MEAN	+	0.07	0.02	19.3	10.3	3.45	7.96	0.84	0	0	0	0
ACRE- FEET	+	4.0	1.2	1190.	570.	212.	474.	52.	0	0	0	0

Remarks: + = 0.05 cfs or less

YEAR OR PERIOD MEAN 3.45  
ACRE-FEET 2500.

76074M Gb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F260-R

Daily discharge, in second-feet of SANTA ANITA WASH at Foothill Boulevard for the year ending September 30, 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	2.9	2.5	0.2	0.2	1.6	0	0	0	0
2	0	0	0	0	1.0	0.2	0.2	4.5	0	0	0	0
3	0	0	5.4	0	1.3	0.2	0.2	4.1	0	0	0	0
4	0	0	0.3	0	0	0.2	0.2	4.0	0	0	0	0
5	0	0	0	0	0	0.2	0.2	0	0	0	0	0
6	0	0	0	1.8	0	0.2	0.2	3.7	0	0	0	0
7	0	0	0	1.2	0	0.2	0.2	8.0	0	0	0	0
8	0	0	0	1.8	0	0.2	0.2	3.5	0	0	0	0
9	0	0	1.6	1.8	0	0.2	0.2	2.4	0	0	0	0
10	0	5.5	0	1.3	0	1.5	0.2	1.7	0	0	0	0
11	0	1.5	0	0.3	0	0.2	0.2	0.4	0	0	0	0
12	0	0	0	0	0	0.2	0.2	0.2	0	0	0	0
13	0	0	0	0	0	0.2	0.2	0.2	0	0	0	0
14	0	0	0	0	0	0.2	0.2	0.2	0	0	0	0
15	0	0	0	0	0	0.2	0.2	0.2	0	0	0	0
16	0	1.8	0	2.6	0.2	1.8	0.2	0.1	0	0	0	0
17	0	0	0	0	0.2	0.2	0.2	0.1	0	0	0	0
18	0	0	0	0	0.2	0.2	0.2	0	0	0	0	0
19	0	0	0	1.5	0.1	0	0.2	0	0	0	0	0
20	0	0	0	0	0.1	0	0	0	0	0	0	0
21	0	0	0	0	0.1	0.2	7.0	0	0	0	0	0
22	0	0	0	0	0.2	0.2	4.0	0	0	0	0	0
23	0	0	0	0	0.2	0.2	3.5	0	0	0	0	0
24	0	0	0	0	0.2	0.2	2.2	0	0	0	0	0
25	0	0	0	0	0.2	0.2	2.1	0	0	0	0	0
26	0	0	0	0	0	0.2	2.5	0	0	0	0	0
27	0	0	0	0	1.0	0.2	2.1	0	0	0	0	0
28	0	0	0.1	0	0	0.2	2.1	0	0	0	0	0
29	0	0	0.2	0	0	0.2	2.0	0	0	0	0	0
30	0	0	0	0	0	0.2	2.0	0	0	0	0	0
31	0	0	0	0	0	0.2	0	0	0	0	0	0
0	22.3	7.6		40.4	7.5	24.5	53.2	55.7	0	0	0	0

MEAN	0	0.74	0.25	1.30	0.27	0.79	1.77	1.80	0	0	0	0
ACRE- FEET	0	44.	15.	80.	15.	49.	106.	110.	0	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.58  
ACRE-FEET 419.

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 1, 1953 TO SEPTEMBER 30, 1955.

REGULATION: NONE.

DIVERSIONS: THERE ARE DIVERSIONS FOR IRRIGATION.

RECORDS AVAILABLE: RECORDER RECORDS AVAILABLE FROM OCTOBER 18, 1949 TO SEPTEMBER 30, 1955. STREAM FLOW MEASUREMENTS FROM NOVEMBER 1929.

EXTREMES OF DISCHARGE:  
1953-54  
MAXIMUM 29 SECOND-FOOT JANUARY 25.  
MINIMUM 1.0 SECOND-FOOT AT TIMES DURING DECEMBER,  
1954-55  
MAXIMUM 5.8 SECOND-FOOT JANUARY 18,  
MINIMUM 1.0 SECOND-FOOT SOME DAYS IN JULY,  
1950-55  
MAXIMUM 4200 SECOND-FOOT JANUARY 16, 1952.  
MINIMUM 0.2 SECOND-FOOT VARIOUS TIMES IN 1950-51.

ACCURACY: GOOD.

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

DISCHARGE MEASUREMENTS OF SANTA CLARA RIVER

AT NEAR above Lang R.R. Station DURING THE YEAR ENDING SEPTEMBER 30, 1954

NO.	DATE	BSIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. ING	METH. DD	MEAN SEC. NO.	S. CH. TOTAL	METER NO.
238	3-20	1110	"	9.0	4.62	1.95	3.85	9.0	.6	8	0	"	
239	3-24	0915 0925	"	9.5	4.74	2.02	3.94	9.6	.6	7	0	"	
240	3-31	1430	"	7.6	4.85	1.77	3.80	8.6	.6	9	0	"	
241	4-7	1355 1405	"	7.0	4.94	1.44	3.77	7.1	.6	9	0	"	
242	4-14	0905 0915	"	5.4	3.41	1.61	3.70	5.5	.6	8	0	"	
243	4-21	0905 0915	"	6.2	3.71	1.21	3.64	4.5	.6	8	0	"	
244	4-28	0935 0945	"	6.0	3.28	1.31	3.62	4.3	.6	8	0	"	
245	5-5	0915 0925	"	6.0	3.06	1.11	3.58	3.4	.6	8	0	"	
246	5-12	0910 0920	"	6.0	3.14	1.08	3.60	3.4	.6	8	0	"	
247	5-19	0921 0930	"	6.0	3.06	0.95	3.58	2.9	.6	8	0	"	
248	5-26	0850 0857	"	6.0	2.92	0.79	3.56	2.3	.6	8	0	"	
249	6-3	0916 0925	"	6.2	3.19	0.63	3.59	2.0	.6	8	0	"	
250	6-9	0900 0910	"	6.2	3.29	0.55	3.60	1.8	.6	8	0	"	
251	6-17	0850 0910	HYDE-TURNER	5.7	3.47	0.58	3.68	2.0	.6	7	0	"	
252	6-23	0841 0845	HYDE	5.6	3.71	0.57	3.65	2.1	.5	7	0	FC35	
253	7-1	0834 0846	"	5.8	3.80	0.50	3.70	1.9	.6	7	0	"	
254	7-6	1412 1427	"	5.8	4.14	0.43	3.76	1.8	.6	7	0	"	
255	7-14	1000 1014	"	5.9	4.43	0.41	3.82	1.8	.6	8	0	"	
256	7-21	0933 0940	TURNER	5.0	3.35	0.54	3.70	1.8	.6	7	0	EC43	
257	7-29	0857 0905	"	5.0	3.50	0.46	3.75	1.6	.6	8	0	"	
258	8-5	0830 0837	TURNER	5.0	3.35	0.54	3.72	1.8	.6	7	0	FC43	
259	8-12	0840 0855	"	5.0	3.22	0.53	3.71	1.7	.6	7	0	"	
260	8-18	0905 1350	"	5.0	3.39	0.50	3.75	1.7	.6	7	0	"	
261	8-26	1357	"	5.0	3.78	0.37	3.84	1.4	.6	7	0	"	
262	9-2	0930 0940	"	5.0	2.86	0.56	3.63	1.6	.6	7	0	"	
263	9-10	0855 0905	"	5.0	2.83	0.53	3.63	1.5	.6	7	0	"	
264	9-16	0939 0945	"	5.0	3.05	0.52	3.69	1.6	.6	7	0	"	
265	9-23	0955 1005	"	5.0	3.38	0.44	3.76	1.5	.6	7	0	"	
210	10-1	1503 1512 0916 0925	TURNER	4.8	1.37	1.02	3.58	1.4	.6	7	0	FC43	
211	10-7	1016 1025	"	4.7	1.41	0.99	3.60	1.4	.6	7	0	"	
212	10-15	0851 0900	"	4.8	1.69	0.77	3.65	1.3	.6	7	0	"	
213	10-22	1523 1532 0916	"	4.7	1.30	1.00	3.55	1.3	.6	7	0	"	
214	10-29	0855 0905	"	4.8	1.21	1.07	3.54	1.3	.6	7	0	"	
215	11-4	1514 1524	HYDE	4.6	1.10	1.09	3.52	1.2	.5	7	0	FC35	
216	11-12	0645 0657	"	4.7	1.11	1.08	3.52	1.2	.5	7	0	"	
217	11-19	0904 0910	TURNER	4.6	1.16	0.95	3.50	1.1	.6	7	0	FC43	
218	12-4	0816 0825	"	4.4	1.01	1.09	3.50	1.1	.6	7	0	"	
219	12-11	0910 0920	"	4.4	1.12	1.07	3.49	1.2	.6	7	0	"	
220	12-17	0930 0940	"	4.6	1.09	1.10	3.49	1.2	.5	7	0	"	
221	12-23	1020 1029 0926	THOMAS-TURNER	4.6	1.11	0.99	3.48	1.1	.6	7	0	"	
222	1-7	0935 0916	TURNER	4.6	1.07	1.08	3.49	1.2	.6	7	0	"	
223	1-15	0925 0850	"	4.5	1.01	1.23	3.48	1.2	.5	7	0	"	
224	1-19	0857 1005	TURNER-ROGERS	5.8	2.27	1.50	3.66	3.4	.6	7	0	"	
225	1-20	1015 1157	TURNER	4.8	1.78	1.35	3.62	2.4	.6	7	0	"	
226	1-25	1207 1035	"	9.0	7.18	1.98	3.85	14.2	.6	11	0	"	
227	1-28	1048	"	6.8	2.84	1.41	3.52	4.0	.6	9	0	"	
228	2-4	0905 1530	"	6.8	2.47	1.17	3.44	2.9	.6	9	0	"	
229	2-11	1540 1920	"	6.8	2.62	1.11	3.45	2.9	.6	9	0	"	
230	2-13	1827	TURNER-ROGERS	18.0	12.1	1.68	4.04	20.3	.6	9	-01	"	
231	2-18	0917 0927	TURNER	8.6	4.11	1.78	3.70	7.3	.6	10	0	"	
232	2-24	0920 0930	TURNER	7.0	2.96	1.28	3.61	3.8	.6	9	0	FC43	
233	3-3	0915 0925	"	7.0	2.98	1.24	3.58	3.7	.6	9	0	"	
234	3-10	0915 0925	"	7.0	3.31	1.30	3.63	4.3	.6	9	-01	"	
235	3-19	0910 0920	"	7.4	4.23	1.30	3.69	5.5	.6	9	0	"	



DISCHARGE MEASUREMENTS OF SANTA CLARA RIVER  
 above Lang Rail Road Station DURING THE YEAR ENDING SEPTEMBER 30, 1956

NO.	DATE	BEIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REG. FT.	RAT. IN	METH. NO.	MEAN REG. NO.	Q. CHANGE TOTAL	METER NO.	NO.	DATE	BEIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REG. FT.	RAT. IN	METH. NO.	MEAN REG. NO.	Q. CHANGE TOTAL	METER NO.
266	10-1	0830 0840	TURNER	5.0	3.82	0.39	3.85	1.5	.6	7	0	FC43	294	3-23	1000 1007	"	3.4	2.89	0.90	3.92	2.6	.6	6	0	.01	"	
267	10-6	0850 0900	"	5.0	2.83	0.53	3.63	1.5	.6	7	0	"	295	3-30	0854 0900	"	3.4	2.76	0.80	3.90	2.2	.6	6	0	0	FC43	
268	10-14	0844 0850	"	5.0	3.06	0.46	3.68	1.4	.6	7	0	"	296	4-7	0949 0955	"	3.4	2.99	0.80	3.96	2.4	.6	6	0	0	"	
269	10-20	0900 0910	"	5.0	3.82	0.39	3.84	1.5	.6	7	0	"	297	4-14	1013 1020	"	3.4	3.05	0.69	3.98	2.1	.6	6	0	0	"	
270	10-28	0905 0915	"	5.0	3.22	0.50	3.70	1.6	.6	7	0	"	298	4-21	0904 0910	"	3.4	3.20	0.59	4.03	1.9	.6	6	0	0	"	
271	11-3	0910 0920	"	5.0	2.28	0.57	3.53	1.3	.6	7	0	"	299	4-28	0904 0910	"	3.4	3.40	0.65	4.09	2.2	.6	6	0	0	"	
272	11-10	1020 1030	"	5.0	2.34	0.60	3.54	1.4	.6	7	0	"	300	5-4	0857 0904	"	TWO CHANNELS			4.20	3.5	.6	7	0	0	"	
273	11-17	0905 0920	HYDE	4.90	2.55	0.55	3.57	1.4	.6	8	0	FC35	301	5-13	0934 0940	"	3.3	2.04	1.23	3.58	2.5	.6	6	0	0	"	
274	11-24	0912 0922	"	5.00	2.72	0.48	3.60	1.3	.6	7	0	"	302	5-18	0844 0850	"	3.3	1.97	0.96	3.55	1.9	.6	6	0	0	"	
275	12-3	0926 0935	TURNER	5.0	2.88	0.45	3.65	1.3	.6	7	0	FC43	303	5-25	0913 0919	"	3.3	2.10	1.00	3.60	2.1	.6	6	0	0	"	
276	12-9	0931 0940	"	5.0	3.93	0.31	3.86	1.2	.6	7	0	"	304	6-1	1044 1050	"	3.3	2.40	0.75	3.69	1.8	.6	6	0	0	"	
277	12-15	1054 1100	"	3.2	1.72	0.81	3.77	1.4	.6	6	0	"	305	6-8	0909 0906	SADDORIS-TURNER	3.3	3.13	0.58	3.84	1.8	.6	6	0	0	"	
278	12-21	0954 1000	"	3.2	1.73	0.69	3.78	1.2	.6	6	0	"	306	6-16	0909 0915	TURNER	3.3	3.29	0.52	3.92	1.7	.6	6	0	0	"	
279	12-29	0914 0920	"	3.2	1.85	0.65	3.78	1.2	.6	6	0	"	307	6-22	0949 0855	"	3.3	3.27	0.46	3.92	1.5	.6	6	0	0	"	
280	1-5	0904 0910	"	3.2	1.97	0.56	3.82	1.1	.6	6	0	"	308	6-29	0954 1000	"	3.3	3.45	0.43	4.01	1.5	.6	6	0	0	"	
281	1-12	0930 0937	"	3.2	1.72	0.81	3.68	1.4	.6	6	0	"	309	7-6	1115 1128	SADDORIS	4.8	4.70	0.34	4.06	1.6	.5	7	0	0	FC60	
282	1-18	1720 1725	TURNER-ROGERS	5.0	5.11	1.06	4.13	5.4	.6	7	0	"	310	7-14	1410 1430	DE MARS	3.2	3.69	0.27	4.06	1.0	.2	8	0	0	FC34	
283	1-20	0848 0852	TURNER-WHISLER	5.0	3.4	0.56	3.76	1.9	.6	7	0	"	311	7-20	0835 0838	TURNER	3.3	3.92	0.33	4.10	1.3	.6	6	0	0	FC43	
284	1-26	0847 0855	TURNER	3.2	2.11	0.95	3.86	2.0	.6	6	0	"	312	7-28	0935 0945	"	3.3	3.43	0.32	3.93	1.1	.6	6	0	0	"	
285	2-2	0904 0910	"	3.4	2.32	1.25	3.77	2.9	.6	6	0	"	313	8-3	1020 1027	"	4.0	3.18	0.38	3.93	1.2	.6	6	0	0	"	
286	2-9	0833 0840	"	3.4	2.37	1.22	3.78	2.9	.6	6	0	"	314	8-11	0851 0859	"	3.3	3.45	0.38	3.95	1.3	.6	6	0	0	"	
287	2-16	0954 1000	"	3.4	2.40	1.12	3.80	2.7	.6	6	0	"	315	8-18	1009 1015	"	3.2	3.43	0.38	3.97	1.3	.6	6	0	0	FC60	
288	2-24	0950 0956	"	3.4	2.54	1.06	3.84	2.7	.6	6	0	"	316	8-25	0845 0852	"	3.1	3.34	0.36	4.01	1.2	.6	6	0	0	"	
289	3-3	1020 1025	"	3.4	2.84	1.06	3.92	3.0	.6	6	0	"	317	9-1	0924 0930	"	3.2	3.49	0.32	4.02	1.1	.6	6	0	0	"	
290	3-10	0844 0850	"	3.4	2.99	0.94	3.96	2.8	.6	6	0	"	318	9-8	0900 0910	WHISLER-TURNER	3.2	3.57	0.39	4.03	1.4	.6	9	0	0	"	
291	3-16	0930 0936	"	3.4	3.17	0.82	4.01	2.6	.6	6	0	"	319	9-15	0845 0855	"	3.2	2.15	0.56	3.62	1.2	.6	9	0	0	"	
292	3-23	0907 0917	"	3.4	3.36	0.80	4.06	2.7	.6	6	0	"	320	9-22	0900 0906	WHISLER	3.2	2.10	0.57	3.62	1.2	.6	9	0	0	"	
293	3-23	0920 0930	"	3.4	3.36	0.74	4.06	2.5	.6	6	0	FC60	321	9-28	0850 0900	TURNER	3.2	1.96	0.71	3.58	1.4	.6	8	0	0	"	

76013M Cs 12-53

LOS ANGELES COUNTY  
 FLOOD CONTROL DISTRICT  
 HYDRAULIC DIVISION

Sta. No. F93-R

Daily discharge, in second-feet of SANTA CLARA RIVER above Lang Rail Road Station for the year ending September 30, 1954

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	1.4	1.3	1.1	1.1	2.2	3.6	9.9	4.3	2.0	1.9	1.7	1.6
2	1.4	1.3	1.1	1.1	2.6	3.8	9.6	4.4	2.0	1.9	1.8	1.6
3	1.4	1.3	1.1	1.1	2.5	3.6	9.6	4.3	1.9	1.8	1.8	1.6
4	1.4	1.3	1.1	1.1	3.0	3.6	9.9	3.3	1.8	1.8	1.6	1.6
5	1.4	1.3	1.1	1.2	3.0	3.6	9.2	3.3	1.8	1.8	1.7	1.6
6	1.4	1.3	1.0	1.2	3.0	3.6	8.0	3.0	1.7	1.7	1.7	1.6
7	1.4	1.3	1.0	1.2	2.8	3.5	7.6	3.1	1.7	1.9	1.7	1.6
8	1.4	1.3	1.0	1.2	2.7	4.0	9.0	3.5	1.7	1.9	1.7	1.6
9	1.4	1.3	1.0	1.2	2.8	4.6	5.5	3.6	1.8	1.8	1.7	1.6
10	1.4	1.3	1.0	1.3	3.0	4.3	5.8	3.8	1.7	1.8	1.7	1.6
11	1.4	1.3	1.0	1.3	3.0	3.6	6.2	3.1	1.6	1.6	1.6	1.6
12	1.4	1.3	1.0	1.3	3.1	3.5	6.2	3.0	1.6	1.9	1.7	1.6
13	1.4	1.3	1.0	1.3	3.2	3.5	5.5	3.0	1.8	1.9	1.7	1.6
14	1.4	1.3	1.0	1.3	3.1	3.5	5.2	3.3	1.7	1.8	1.6	1.6
15	1.4	1.3	1.1	1.2	1.9	3.1	5.2	3.1	1.7	1.8	1.6	1.6
16	1.4	1.3	1.1	1.2	1.8	2.7	4.8	3.3	1.8	1.7	1.6	1.6
17	1.4	1.3	1.2	1.2	1.9	3.3	4.3	3.3	1.8	1.7	1.6	1.6
18	1.3	1.2	1.2	1.3	2.7	3.5	4.3	2.8	1.8	1.9	1.6	1.6
19	1.3	1.2	1.2	2.9	6.5	5.2	4.2	2.7	1.7	1.7	1.7	1.5
20	1.3	1.2	1.2	2.5	5.0	9.6	4.2	2.6	1.7	1.7	1.6	1.5
21	1.3	1.2	1.2	1.4	5.0	9.6	4.2	2.6	1.8	1.7	1.6	1.4
22	1.3	1.2	1.2	1.3	4.8	11	4.2	2.6	1.8	1.7	1.5	1.4
23	1.3	1.2	1.2	1.3	5.3	10	4.2	2.6	1.8	1.6	1.4	1.4
24	1.3	1.2	1.2	1.8	3.5	10	4.3	2.0	1.9	1.6	1.4	1.5
25	1.3	1.2	1.2	1.6	3.5	9.6	4.5	2.0	1.8	1.4	1.4	1.4
26	1.3	1.2	1.2	6.5	3.8	8.6	6.5	2.0	2.0	1.4	1.4	1.4
27	1.3	1.2	1.1	4.6	3.8	9.6	4.2	1.8	1.8	1.5	1.4	1.4
28	1.3	1.2	1.1	4.0	3.6	9.6	4.3	1.9	1.7	1.6	1.4	1.4
29	1.4	1.1	1.1	3.5	9.6	9.6	4.3	2.3	1.9	1.6	1.6	1.4
30	1.3	1.1	1.1	3.1	14	4.5	2.2	1.8	1.5	1.5	1.5	1.4
31	1.3	1.1	1.1	2.2	12	12	2.1	1.6	1.5	1.5	1.5	1.4
	42.0	37.4	34.4	73.0	140.1	203.7	179.4	91.2	54.6	55.3	50.1	45.8
MEAN	1.35	1.25	1.11	2.35	5.0	6.57	5.98	2.94	1.82	1.78	1.62	1.53
ACRE-FOOT	83.	74.	68.	145.	278.	404.	356.	181.	108.	110.	99.	91.
Remarks:	YEAR OR PERIOD MEAN ACRE-FOOT 2000. 2.76											

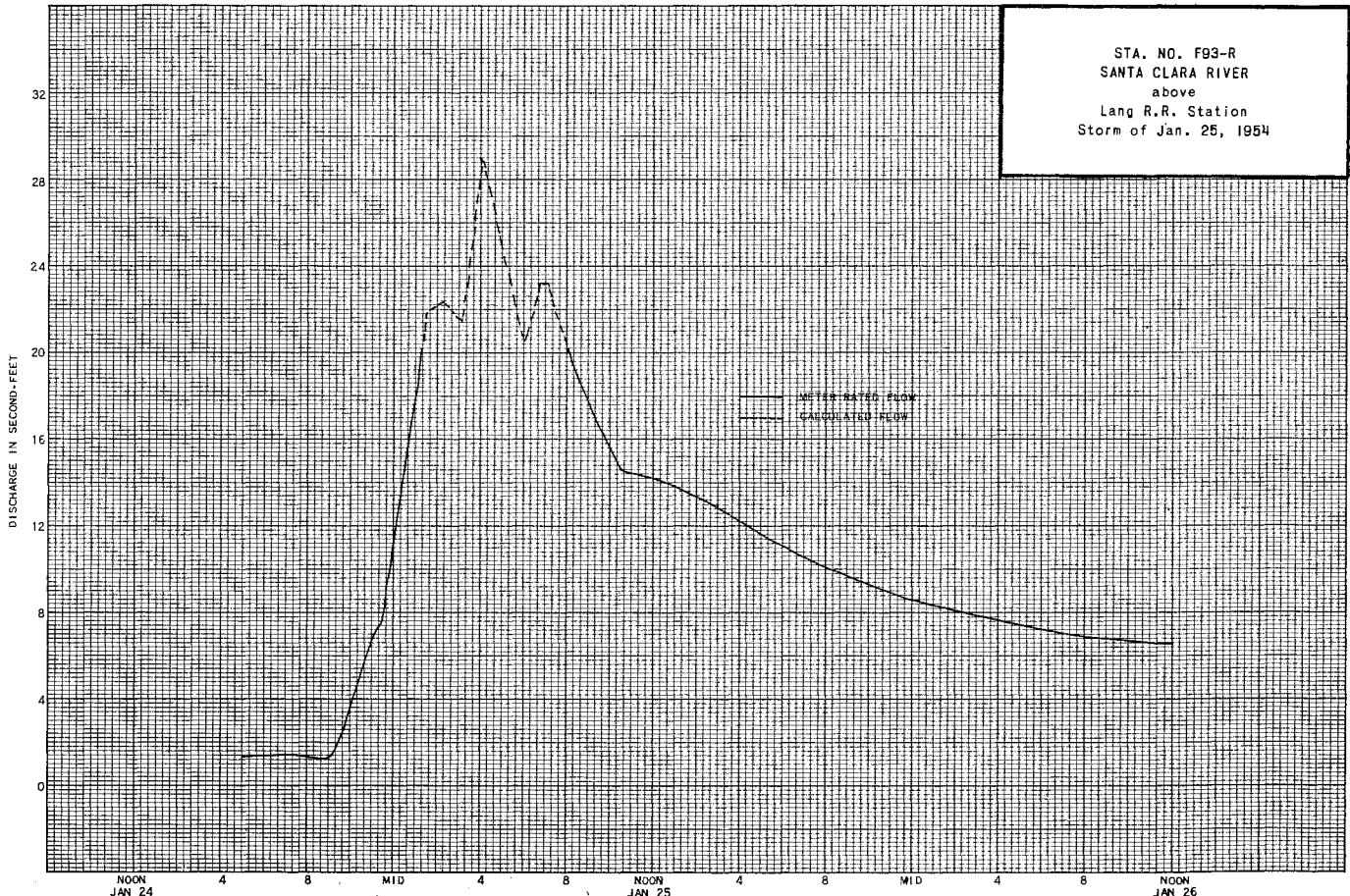
FD-14M C-12-53

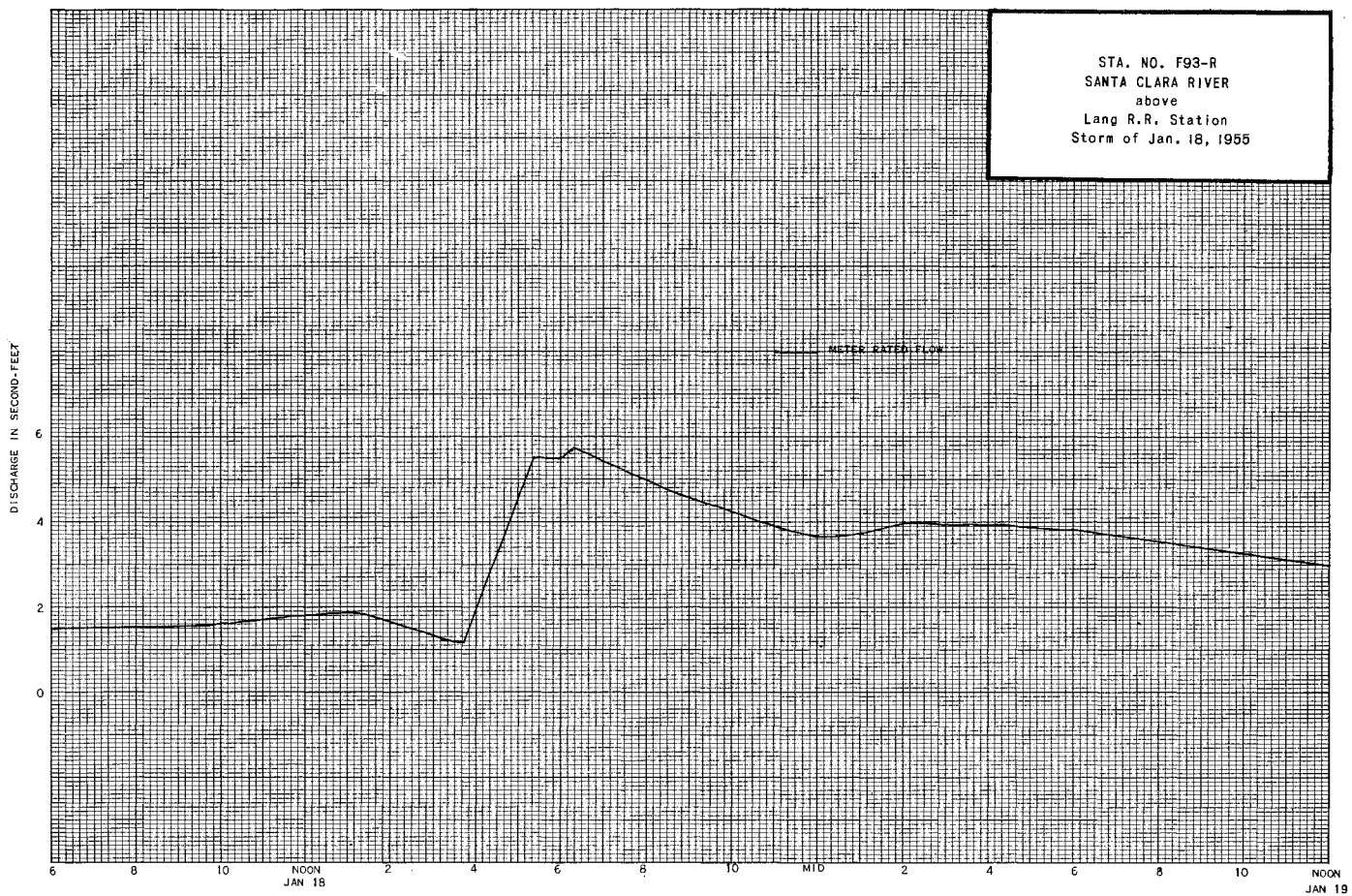
LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F93-R

Daily discharge, in second-feet of SANTA CLARA RIVER above Lang Rail Road Station for the year ending September 30, 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.4	1.4	1.3	1.1	2.8	3.0	2.2	4.8	1.9	1.6	1.1	1.1
2	1.4	1.4	1.3	1.1	2.8	2.8	2.2	3.8	1.8	1.6	1.2	1.1
3	1.4	1.3	1.3	1.1	2.8	2.8	2.2	3.5	1.8	1.6	1.2	1.2
4	1.4	1.3	1.3	1.1	2.8	2.8	2.2	3.1	1.6	1.6	1.2	1.3
5	1.4	1.3	1.2	1.1	2.8	2.8	2.2	3.1	1.7	1.5	1.2	1.3
6	1.4	1.3	1.2	1.2	2.7	2.7	2.2	3.1	1.7	1.5	1.2	1.3
7	1.4	1.3	1.2	1.2	2.6	2.6	2.3	3.6	1.7	1.5	1.2	1.3
8	1.4	1.4	1.2	1.3	2.7	2.6	2.3	3.5	1.7	1.4	1.3	1.3
9	1.4	1.4	1.2	1.3	2.8	2.7	2.3	3.1	1.8	1.4	1.3	1.3
10	1.4	1.4	1.2	1.6	2.7	2.8	2.3	2.7	1.9	1.3	1.3	1.3
11	1.4	1.6	1.2	1.4	2.8	3.0	2.2	2.6	1.8	1.3	1.3	1.2
12	1.4	1.4	1.2	1.4	2.8	2.8	2.1	2.6	1.8	1.2	1.3	1.2
13	1.4	1.4	1.2	1.4	2.8	2.7	2.0	2.3	2.0	1.1	1.3	1.2
14	1.4	1.4	1.2	1.4	2.8	2.7	2.1	2.3	2.0	1.0	1.3	1.2
15	1.4	1.4	1.3	1.4	2.8	2.6	2.0	2.1	1.9	1.1	1.3	1.2
16	1.4	1.4	1.3	1.4	2.8	2.5	2.0	2.0	1.6	1.2	1.3	1.2
17	1.4	1.4	1.3	1.5	2.8	3.1	1.9	2.0	1.7	1.2	1.3	1.2
18	1.4	1.4	1.3	2.6	3.0	2.5	2.0	1.8	1.6	1.2	1.3	1.2
19	1.4	1.3	1.2	3.1	2.8	2.6	2.0	1.8	1.6	1.2	1.3	1.2
20	1.5	1.3	1.2	1.9	2.7	2.6	1.9	1.8	1.5	1.3	1.3	1.2
21	1.6	1.3	1.2	1.7	2.7	2.6	2.0	1.9	1.5	1.3	1.3	1.2
22	1.6	1.3	1.2	1.7	2.6	3.0	2.1	1.9	1.5	1.3	1.2	1.2
23	1.6	1.3	1.2	1.7	2.6	2.3	2.0	1.9	1.5	1.3	1.2	1.3
24	1.6	1.3	1.2	1.8	2.6	2.2	2.1	2.0	1.4	1.2	1.2	1.3
25	1.6	1.3	1.2	1.9	2.6	2.2	2.1	2.0	1.4	1.1	1.2	1.3
26	1.6	1.3	1.2	2.0	2.6	2.3	2.2	2.1	1.5	1.1	1.2	1.3
27	1.6	1.3	1.2	2.1	3.0	2.0	2.2	2.0	1.5	1.0	1.2	1.3
28	1.5	1.3	1.2	2.1	3.8	2.0	2.2	2.0	1.5	1.0	1.1	1.3
29	1.5	1.3	1.2	2.1	2.3	2.1	2.2	1.8	1.6	1.0	1.1	1.3
30	1.6	1.3	1.2	2.3	2.3	2.1	3.0	1.9	1.6	1.0	1.1	1.2
31	1.4	1.3	1.1	2.8	2.3	2.1	2.2	1.9	1.6	1.0	1.1	1.2
	45.3	40.5	37.8	51.9	78.4	79.1	64.7	77.0	50.1	39.2	38.1	37.1
MEAN	1.46	1.35	1.22	1.67	2.80	2.55	2.16	2.48	1.67	1.26	1.23	1.24
ACRE- FEET	90.	80.	75.	103.	156.	157.	128.	153.	99.	78.	76.	74.
Remarks:									YEAR OR PERIOD	MEAN ACRE-FEET		1.75 1270.





STATION F92-R  
SANTA CLARA RIVER at Highway 99

LOCATION: WATER-STAGE RECORDER, LAT. 34°25'35", LONG. 118°35'06", ON THE DOWN-STREAM SIDE OF THE U.S. HIGHWAY 99 BRIDGE ABOUT 3 MILES WEST OF SAUGUS. ELEVATION OF ZERO GAGE HEIGHT, 1036.24 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 CABLE CAR ABOUT 1000 FEET DOWNSTREAM.

RECORDER: INSTALLED JANUARY 18, 1930 AT STATION F92-R. REMOVED SEPTEMBER 21, 1936. INSTALLED AT STATION F92B-R SEPTEMBER 30, 1936 OVER A 24-INCH CORRUGATED IRON PIPE STILLING WELL. A STEVENS TYPE A35B CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1953 TO FEBRUARY 26, 1955.

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 16, 1930 TO MARCH 28, 1936. SOME WEEKLY STREAM MEASUREMENTS WERE TAKEN PRIOR TO JANUARY 16, 1930 AND SUBSEQUENT TO MARCH 28, 1936. AT STATION F92B-R - RECORDER RECORDS AVAILABLE FROM OCTOBER 1, 1953 TO SEPTEMBER 30, 1955.

EXTREMES OF DISCHARGE:

1953-54  
MAXIMUM 626 SECOND-FEET JANUARY 19.  
MINIMUM LESS THAN 0.1 SECOND FEET IN NOVEMBER AND DECEMBER.  
1954-55  
MAXIMUM 746 SECOND-FEET JANUARY 18.  
MINIMUM LESS THAN 0.05 SECOND-FOOT AT VARIOUS TIMES.  
1930-55 (STATIONS F92-R AND F92B-R)  
MAXIMUM 24000 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 54

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAT. INR	METH. NO.	MEAN REC. NO.	R. HT. CHANGE TOTAL	METER NO.
773	10-1	1111 1120	TURNER	6.0	0.92	0.87	8.09	0.80	.6	8	0	FC43	
774	10-7	1051 1100	"	6.0	1.05	0.73	8.05	0.77	.5	8	-.01	"	
775	10-14	1130 1133	"	1.8	0.26	0.58	8.03	0.15	.6	5	0	"	
776	10-15	1350 1357	"	CHANNELS		8.06	0.92	.6	10	0	"		
777	10-29	1245 1245	"	2.0	0.30	0.47	8.01	0.14	.6	5	0	"	
778	11-4	1413 1416	"	1.2	0.15	0.53	7.98 8.00	0.08	.5	4	0	"	
779	11-12	1400 1405	"	1.6	0.14	0.50	8.02	0.07	.5	5	0	"	
780	11-14	1625 1632	"	10.0	1.87	1.02	8.25	1.9	.6	7	0	"	
781	11-15	0952 0955	"	1.5	0.16	0.75	8.04	0.12	.6	4	0	"	
782	11-25	1112 1112	HYDE	0.8	0.07	0.71	8.03	0.05	.5	3	0	FC35	
783	12-4	1507 1510	TURNER	1.2	0.12	0.42	8.08	0.05	.5	4	0	FC43	
784	12-11	1037 1040	"	1.0	0.12	0.75	8.11	0.09	.5	2	0	"	
785	12-17	1409 1412	"	1.4	0.20	0.90	8.12	0.18	.5	4	0	"	
786	12-23	1339 1342	"	1.2	0.10	0.60	8.10	0.06	.5	4	0	"	
787	12-31	1319 1319	"	1.4	0.15	0.47	8.08	0.07	.5	4	0	"	
788	1-7	1210 1213	"	1.4	0.17	0.65	8.08	0.11	.6	4	0	"	
789	1-15	1305 1310	"	1.6	0.17	0.53	8.07	0.09	.5	5	0	"	
790	1-19	1150 1155	"	4.0	0.95	0.94	8.26	0.89	.6	6	-.01	"	
791	1-19	1607 1617	TURNER-ROGERS	62.5	19.7	0.66	8.46	13.1	.6	12	+0.09	"	
792	1-19	2000 2020	"	65.6	89.3	6.98	8.7	623.	.6	11	-.15	"	
793	1-19	2340 2350	"	22.6	14.9	3.15	7.6	47.0	.6	8	0	"	
794	1-20	1200 1205	TURNER	1.6	0.18	1.22	7.00	0.22	.5	5	0	"	
795	1-24	1705 1712	TURNER-ROGERS	41.0	22.8	3.63	7.87	82.8	.6	10	+0.02	"	
796	1-24	2300 2308	"	51.0	52.0	4.44	8.47	231.	.6	9	+0.10	"	
797	1-25	0159 0095	"	64.0	81.0	7.17	8.77	581.	.6	9	-.04	"	
798	1-25	0840 0848	"	37.4	16.0	2.68	7.55	42.8	.6	12	+0.02	"	
799	1-26	1030 1033	"	1.6	0.26	0.85	7.08	0.22	.5	5	0	"	
800	1-28	1309 1312	TURNER	1.8	0.36	0.87	7.08	0.24	.5	5	0	"	
801	2-4	1240 1245	"	2.0	0.16	0.75	7.08	0.12	.5	4	0	"	
802	2-11	1055 1100	"	1.8	0.27	0.67	7.08	0.18	.5	5	0	"	
803	2-13	1527 1537	TURNER-ROGERS	65.6	80.4	6.55	8.9	527.	.6	9	0	"	
804	2-13	2245 2255	"	40.5	17.3	2.59	7.52	44.8	.6	11	0	"	
805	2-14	1300 1307	TURNER	CHANNELS		7.10	0.63	.5	10	0	"		
806	2-18	1340 1345	"	"	"	7.02	0.18	.5	7	0	"		
807	2-24	1610 1613	"	1.6	0.18	0.89	7.08	0.16	.5	5	0	"	
808	3-3	1112 1116	"	1.8	0.18	0.83	7.04	0.15	.5	4	0	"	
809	3-10	1529 1532	"	1.4	0.16	1.00	7.04	0.16	.5	4	0	"	
810	3-17	1504 1507	"	1.6	0.38	0.58	7.04	0.22	.5	4	0	"	
811	3-20	0540 0550	TURNER-ROGERS	44.0	46.6	4.80	8.28	214.	.6	9	0	"	
812	3-20	0825 0837	"	40.6	20.7	3.51	7.69	72.6	.6	10	-.02	"	
813	3-24	1325 1330	TURNER	2.2	0.64	0.28	7.04	0.18	.5	5	0	"	
814	3-30	1120 1123	"	2.4	0.27	0.70	7.04	0.19	.5	5	0	"	
815	4-7	1124 1127	"	1.8	0.21	0.71	7.03	0.15	.5	4	0	"	
816	4-14	1125 1129	"	1.8	0.21	0.76	7.03	0.16	.5	5	0	"	
817	4-28	1222 1225	"	1.6	0.23	0.91	7.04	0.21	.5	4	0	"	
818	5-5	1235 1239	"	2.4	0.34	1.06	7.08	0.36	.5	5	0	FC43	
819	5-12	1230 1239	"	4.0	0.48	1.12	7.08	0.54	.5	5	0	"	
820	5-19	1340 1345	"	1.6	0.16	0.56	7.05	0.09	.5	4	0	"	
821	5-26	1137 1140	"	1.4	0.16	0.88	7.00	0.14	.5	4	0	"	
822	6-3	1135 1140	"	1.8	0.16	0.75	6.90	0.12	.5	5	0	"	

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAT. INR	METH. NO.	MEAN REC. NO.	R. HT. CHANGE TOTAL	METER NO.
823	6-9	1152 1155	"	2.2	0.19	0.74	6.89	0.14	.5	5	0	"	
824	6-17	1240 1245	HYDE-TURNER	4.0	0.53	1.10	6.98	0.58	.5	5	0	"	
825	6-23	1230 1240	HYDE	4.0	0.78	1.54	7.05	1.2	.5	6	0	FC35	
826	7-1	1230 1240	"	3.5	0.90	1.56	6.99	1.4	.5	6	0	"	
827	7-6	0948 0955	"	4.0	0.73	1.12	6.94	0.82	.5	7	0	"	
828	7-14	1255 1304	"	3.7	0.58	1.10	6.92	0.64	.5	6	0	"	
829	7-21	1130 1135	TURNER	4.0	0.84	1.43	6.96	1.2	.5	6	0	FC43	
830	7-29	1130 1133	"	3.4	0.59	0.86	6.92	0.51	.5	5	0	"	
831	8-5	1117 1122	"	3.4	0.55	0.95	6.93	0.52	.5	6	0	"	
832	8-12	1245 1250	"	3.6	0.63	1.03	6.96	0.65	.5	6	0	"	
833	8-18	1354 1357	"	2.0	0.18	0.56	6.84	0.10	.5	5	0	"	
834	8-26	1054 1057	"	3.2	0.69	1.04	6.96	0.72	.5	5	0	"	
835	8-31	1020 1030	"	4.0	0.91	1.09	7.00	0.99	.5	6	0	"	
836	9-2	1335 1335	"	4.0	1.02	1.18	7.00	1.2	.5	6	0	"	
837	9-10	1102 1107	"	3.4	0.79	0.70	6.95	0.55	.5	6	0	"	
838	9-16	1304 1310	"	4.8	0.81	1.06	7.04	0.86	.5	6	0	"	
839	9-23	1127 1135	"	3.4	0.42	0.88	6.99	0.37	.5	5	0	"	
840	9-29	1029 1025	"	4.0	0.88	1.11	7.07	0.98	.5	6	0	"	

DISCHARGE MEASUREMENTS OF SANTA CLARA RIVER  
AT NEAR Highway No. 99 DURING THE YEAR ENDING SEPTEMBER 30, 19 55

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAT. INR	METH. NO.	MEAN REC. NO.	R. HT. CHANGE TOTAL	METER NO.
841	10-6	1120 1125	TURNER	3.0	0.47	0.40	6.98	0.19	.5	5	0	FC43	
842	10-14	1300 1305	"	3.0	0.47	0.70	7.06	0.33	.5	5	0	"	
843	10-20	1419 1425	"	4.8	0.80	0.76	7.10	0.61	.5	7	0	"	
844	10-28	1432 1435	"	2.8	0.33	0.55	7.03	0.16	.5	4	0	"	
845	11-3	1214 1220	"	4.6	1.05	0.90	7.16	0.94	.5	6	0	"	
846	11-11	1035 1041	"	4.0	0.77	0.64	7.14	0.49	.5	6	0	"	
847	11-17	1240 1245	HYDE	1.8	0.32	0.34	7.09	0.11	.5	4	0	FC35	
848	11-24	1240 1245	"	2.5	0.43	0.35	7.10	0.15	.5	5	0	"	
849	12-3	1115 1120	TURNER	3.4	0.45	0.33	7.11	0.15	.5	5	0	FC43	
850	12-9	1507 1512	"	2.0	0.40	0.40	7.10	0.16	.5	5	0	"	
851	12-15	1320 1325	"	1.8	0.32	0.47	7.10	0.15	.5	5	0	"	
852	12-22	1255 1300	"	2.2	0.40	0.42	7.10	0.17	.5	5	0	"	
853	12-29	1237 1242	"	1.8	0.30	0.57	7.10	0.17	.5	5	0	"	
854	1-5	1047 1052	"	1.8	0.34	0.38	7.11	0.13	.5	5	0	"	
855	1-12	1310 1313	"	2.2	0.25	0.56	7.35	0.14	.5	4	0	"	
856	1-18	1410 1420	TURNER-ROGERS	50.0	75.0	5.36	8.57	402.	.6	11	-.09	"	
857	1-18	1622 1632	"	35.0	28.0	3.57	7.94	100.	.6	11	-.04	"	
858	1-19	0840 0845	TURNER	5.00	1.08	0.28	7.10	0.30	.5	6	0	"	
859	1-26	1100 1105	"	2.6	0.36	0.42	7.08	0.15	.5	4	0	"	
860	2-2	1110 1115	"	2.0	0.30	0.63	7.08	0.19	.5	4	0	"	
861	2-9	1510 1515	"	2.0	0.26	0.62	7.08	0.16	.5	4	0	"	
862	2-16	1247 1247	"	1.8	0.33	0.70	7.10	0.23	.5	5	0	"	

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. ING	METH. OD	MEAN REC. NO.	D. CH. CHANGE TOTAL	METER NO.	NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. ING	METH. OD	MEAN REC. NO.	D. CH. CHANGE TOTAL	METER NO.	
863	2-24	1295	"	1.9	0.33	0.61	7.10	0.20	.5	5	0	"	885	7-6	1310 1325	SADDORIS					0.06	"	V					
864	2-27	1250 1300	TURNER-ROGERS	36.0	25.2	3.62	7.98	91.1	.6	11	-.04	"	886	7-14	0852 1002	DE MARS	5.8	1.13	0.86	7.44	0.97	.5	8	-.02	FC34			
865	2-27	1504 1513	"	23.6	10.0	1.81	7.54	16.1	.6	13	-.03	"	887	7-22	0803 0810	TURNER	6.0	1.26	1.27	7.52	1.6	.5	7	0	FC43			
866	3-3	1307 1310	TURNER	1.5	0.20	0.60	7.19	0.12	.5	4	0	"	888	7-28	1150	"				7.44	0.37	"	V					
867	3-10	1347 1350	"	1.4	0.17	0.71	7.18	0.12	.5	3	0	"	889	8-3	1410	"				7.45	0.41	"	"					
868	3-16	1309 1305	"	1.6	0.18	0.50	7.19	0.09	.5	5	0	"	890	8-11	1135	"				7.50	0.46	"	"					
869	3-23	1515 1520	"	1.4	0.12	0.67	7.20	0.08	.5	5	0	FC60	891	8-18	1400 1406	"	TWO CHANNELS		7.51	0.32	.5	9	0	FC60				
870	3-30	1100 1103	"	1.0	0.10	0.70	7.20	0.07	.5	4	0	"	892	8-25	1116 1125	"	"	"	7.54	1.1	.5	10	0	"				
871	4-7	1245 1255	"	CHANNELS			7.26	0.61	.5	11	0	"	893	9-1	1322 1329	"	"	"	7.50	0.80	.5	9	0	"				
872	4-14	1317 1322	"	1.4	0.24	0.83	7.22	0.20	.5	5	0	"	894	9-8	1250 1300	WHISLER	6.0	1.40	0.79	7.55	1.1	.5	8	0	"			
873	4-21	1420	"	1.5	0.24	0.58	7.20	0.14	.5	5	0	"	895	9-15	1247 1257	WHISLER-TURNER	6.2	1.29	0.93	7.56	1.2	.5	8	0	"			
874	4-28	1125 1130	"	1.0	0.15	0.60	7.20	0.09	.5	5	0	"	896	9-22	1320 1327	WHISLER	3.5	0.50	0.72	7.45	0.36	.5	8	0	FC59			
875	5-2	1110 1115	"	1.3	0.13	0.85	7.25	0.11	.5	5	0	"	897	9-28	1205 1215	TURNER	CHANNELS		7.55	1.33	.5	11	0	FC60				
876	5-4	1223 1227	"	2.3	0.32	0.38	7.24	0.12	.5	6	0	"																
877	5-13	1055 1105	"	1.2	0.11	0.64	7.34	0.07	.5	5	0	"																
878	5-18	1325 1335	"	1.5	0.14	0.36	7.32	0.05	.5	5	0	"																
879	5-25	1230 1235	"	TWO CHANNELS			7.41	0.89	.5			"																
880	6-1	1255	"				7.34	0.37	"			V																
881	6-8	1247 1253	SADDORIS-TURNER	2.5	0.27	0.89	7.32	0.24	.5	6		"																
882	6-16	1235	TURNER				7.26	0.05	"			V																
883	6-26	1120	"				7.30	0.26	"			"																
884	6-29	1254 1300	"	2.8	0.54	0.93		0.50	.5	5		FC43																

1607124 Cb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F92-B

Daily discharge, in second-feet of SANTA CLARA RIVER at Highway 99 for the year ending September 30, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.8	0.09	0.1	0.09	0.2	0.2	0.2	0.3	0.4	1.4	0.4	0.5
2	0.4	0.09	0.1	0.09	0.2	0.2	0.2	0.3	0.1	1.3	0.4	1.2
3	0.4	0.09	0.1	0.09	0.1	0.2	0.2	0.2	0.3	1.4	0.2	1.6
4	0.8	0.1	0.09	0.1	0.1	0.2	0.2	0.4	0.1	1.2	0.2	1.8
5	0.9	0.1	0.1	0.1	0.1	0.2	0.2	0.4	0.4	1.0	0.4	1.9
6	1.1	0.1	0.1	0.1	0.1	0.2	0.2	0.5	0.3	0.7	0.2	0.9
7	1.1	0.09	0.1	0.2	0.2	0.2	0.2	0.5	0.5	1.0	0.2	0.2
8	0.7	0.09	0.1	0.2	0.2	0.2	0.2	0.5	0.2	0.9	0.2	0.2
9	0.2	0.09	0.1	0.2	0.2	0.2	0.2	0.5	0.2	0.7	0.2	0.2
10	0.2	0.09	0.1	0.2	0.2	0.2	0.2	0.5	0.2	0.7	0.4	0.7
11	0.2	0.3	0.09	0.2	0.2	0.2	0.2	0.5	0.5	0.7	0.4	0.5
12	0.2	0.05	0.1	0.3	0.2	0.2	0.2	0.6	0.4	0.6	0.6	0.4
13	0.2	0.09	0.1	0.2	1.0	0.2	0.2	0.5	0.4	0.6	0.7	0.8
14	0.2	0.9	0.1	0.1	2.7	0.2	0.2	0.5	0.4	0.6	0.7	0.8
15	0.6	0.09	0.2	0.0	0.2	0.2	0.2	0.3	0.9	1.0	1.0	0.8
16	0.5	0.09	0.2	0.0	0.2	3.4	0.2	0.2	0.9	0.9	0.2	0.7
17	0.4	0.05	0.2	0.0	0.2	0.2	0.2	0.2	0.5	0.9	0.2	0.5
18	0.5	0.05	0.2	0.0	0.2	0.2	0.2	0.1	0.5	0.9	0.2	0.1
19	0.4	0.05	0.2	0.0	0.2	0.2	0.2	0.1	d 0.6	1.0	d 0.5	d 0.1
20	0.4	0.05	0.2	0.0	0.2	3.3	0.2	0.2	d 0.4	b 1.1	d 0.8	d 0.1
21	0.4	0.05	0.2	0.0	0.2	0.2	0.2	0.1	0.8	1.1	d 1.1	0.2
22	0.2	0.05	0.05	0.2	0.2	0.2	0.2	d 0.1	1.0	1.0	1.4	0.4
23	0.2	0.05	0.05	0.2	0.2	0.2	0.2	0.1	1.2	0.9	1.3	0.2
24	0.2	0.05	0.09	0.2	0.2	0.2	0.2	0.1	b 1.2	1.1	1.4	0.9
25	0.1	0.05	0.1	1.04	0.2	0.2	0.2	0.1	b 1.2	1.3	1.6	1.4
26	0.1	0.05	0.1	0.3	0.2	0.2	0.2	0.1	b 1.2	1.3	0.5	1.7
27	0.6	0.05	0.1	0.2	0.2	0.2	0.2	0.1	1.2	b 1.1	0.5	1.7
28	0.4	0.05	0.2	0.2	0.2	0.2	0.2	0.1	1.1	b 0.8	0.5	1.2
29	0.2	0.05	0.2	0.2	0.2	0.2	0.2	0.1	1.1	b 0.8	0.4	0.9
30	0.2	0.05	0.2	0.2	0.2	1.0	0.4	0.2	b 1.5	0.8	0.5	1.4
31	0.09	0.05	0.2	0.2	0.2	0.2	0.2	0.2	b 1.5	0.8	0.6	0.6
	13.09	3.15	3.35	24.204	131.7	82.7	5.4	8.2	20.0	29.4	18.7	25.8
MEAN	0.42	0.10	0.11	7.81	4.70	2.67	0.21	0.26	0.67	0.95	0.60	0.86
ACR. FEET	26.	6.2	6.6	480.	261.	164.	13.	16.	40.	58.	37.	51.
Remarks:									YEAR OR PERIOD	MEAN ACRES-FEET		1160.

FORM C 12-53

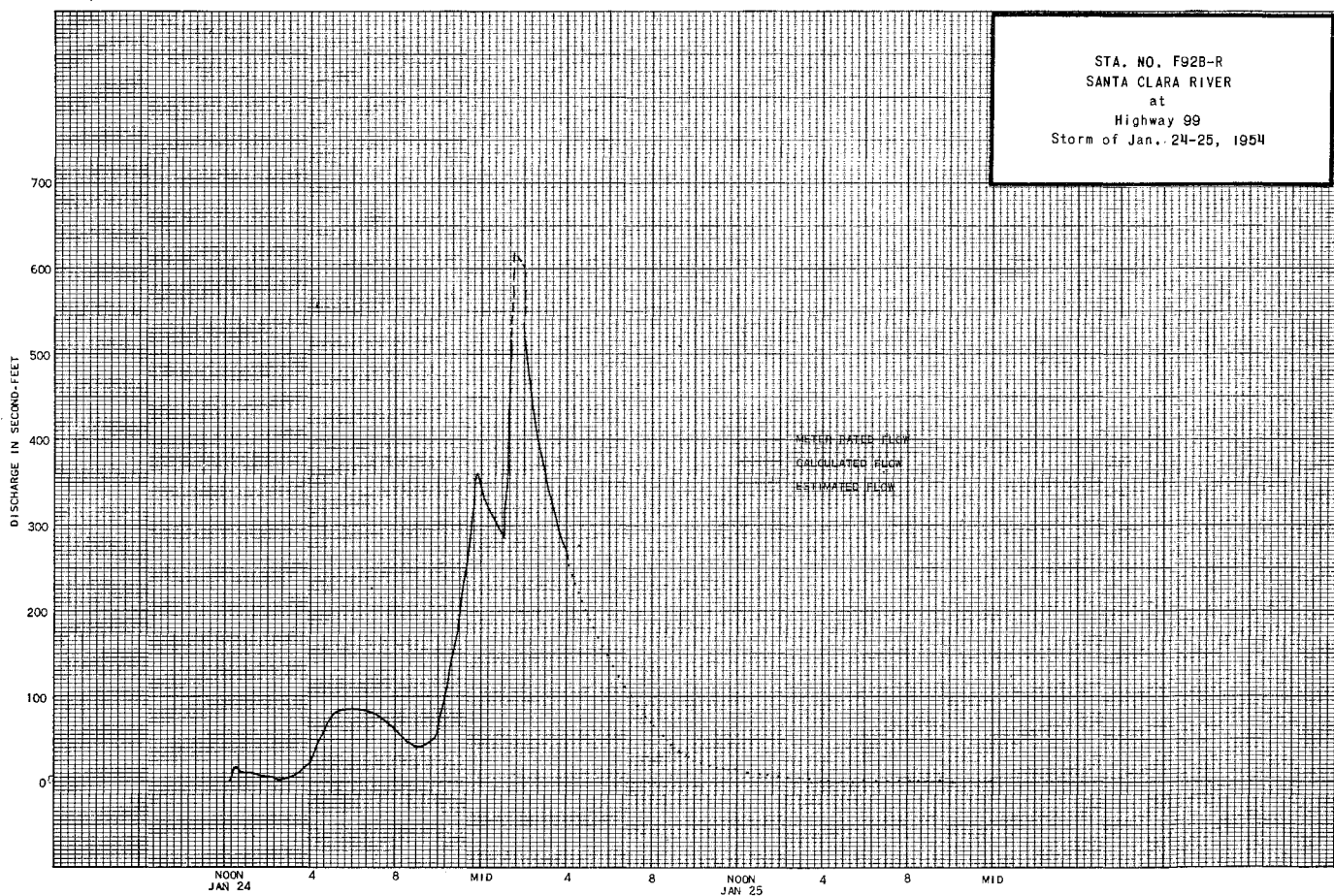
LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

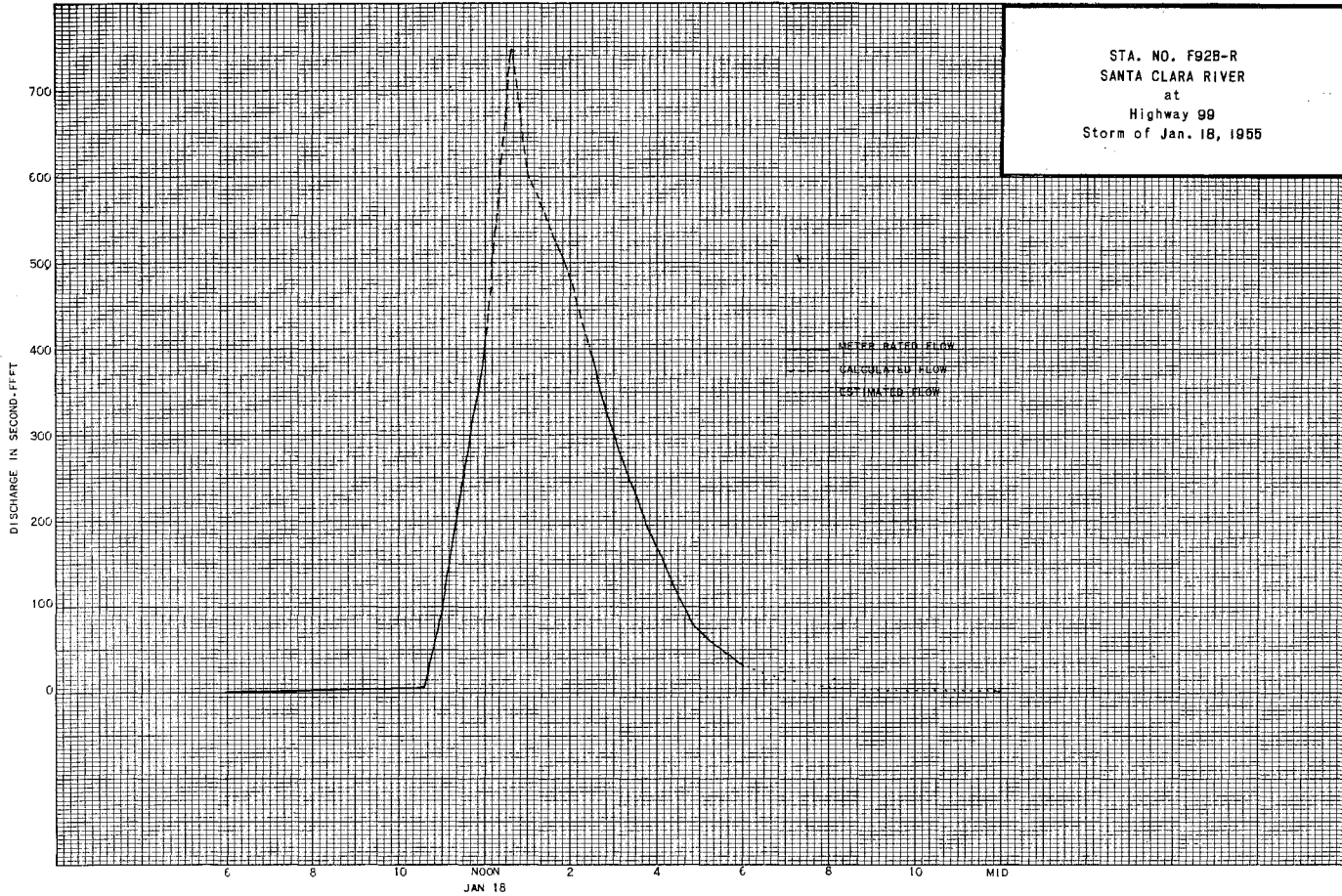
Sta. No. F92-R

Daily discharge, in second-feet of SANTA CLARA RIVER at Highway 99 for the year ending September 30, 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.8	0.2	0.1	0.2	0.2	0.1	0.1	0.1	1.0	0.1	0.3	1.1
2	0.2	0.7	0.1	0.2	0.2	0.1	0.1	0.1	0.4	0.1	0.4	1.1
3	0.2	0.6	0.2	0.2	0.2	0.1	0.1	0.1	0.2	+	0.6	0.7
4	0.2	0.3	0.2	0.1	0.2	0.1	0.1	0.1	0.2	0.1	0.8	0.8
5	0.2	0.2	0.2	0.1	0.2	0.1	0.1	0.1	0.2	+	1.0	0.8
6	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	1.0	0.4
7	0.2	0.6	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	1.0	0.6
8	0.2	0.7	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	1.1	0.3
9	0.5	0.4	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.4	0.6	0.3
10	1.1	0.2	0.2	1.6	0.2	0.1	0.1	0.1	0.1	0.2	0.6	0.7
11	1.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.4	0.3	0.5
12	1.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.3	0.3	0.7
13	0.4	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.4	1.1
14	0.3	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	a	0.3	1.1
15	0.5	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.5	0.3	1.1
16	0.7	0.1	0.2	0.2	0.4	0.1	0.1	0.1	0.1	0.1	0.4	1.2
17	0.3	0.1	0.1	0.2	0.4	0.1	0.1	0.1	0.1	0.5	0.4	0.7
18	0.2	0.2	0.1	9	0.2	0.1	0.1	0.1	0.1	0.5	0.5	0.7
19	0.2	0.2	0.1	0.4	0.2	0.1	0.1	0.1	0.1	0.5	0.3	0.7
20	0.6	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.5	0.7	0.7
21	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.5	1.3	0.7
22	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.5	1.3	0.7
23	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.5	1.4	1.3
24	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.5	1.3	0.7
25	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.5	0.6	1.2
26	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.5	0.5	1.9
27	0.3	0.2	d	0.1	9	0.1	0.1	0.1	0.1	0.5	0.2	2.1
28	0.3	0.2	0.2	0.1	4	+	0.1	0.1	0.1	0.3	0.2	1.4
29	0.3	0.2	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.4	0.4	2.1
30	0.2	0.1	0.2	0.1	0.2	0.1	0.1	0.1	0.4	0.3	1.3	2.1
31	0.2	0.1	0.2	0.3	0.2	0.1	0.1	0.1	0.4	0.4	1.4	2.1

	12.6	8.0	6.3	117.7	15.2	3.3	62.6	12.2	9.3	11.4	21.4	29.5
MEAN	0.41	0.27	0.20	3.8	0.54	0.11	2.09	0.39	0.31	0.37	0.69	9.83
ACR. FEET	25.	16.	12.	233.	30.	6.5	124.	24.	18.	23.	42.	59.
Remarks:	+ = 0.05 CFS OR LESS										YEAR OR PERIOD MEAN ACRES-FEET	0.85
											612.	





STATION V309-R  
SANTA CLARA RIVER at Blue Cut

LOCATION: WATER STAGE RECORDER, LAT.  $34^{\circ}23'59''$  LONG.  $118^{\circ}42'13''$  IN S.W. 1/4 SEC. 30, T. 4N, R. 17W, ON RIGHT BANK, 0.8 MILE WEST OF LOS ANGELES COUNTY LINE, ALTITUDE OF GAGE, 787 FEET ABOVE MEAN SEA LEVEL.

DRAINAGE AREA: APPROXIMATELY 651 SQUARE MILES.

RECORDS AVAILABLE: OCTOBER 1952 TO SEPTEMBER 1955.

CHANNEL CONTROL: CHANNEL - SHIFTING SAND AND GRAVEL.

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

EXTREMES OF DISCHARGE:

1953-54

MAXIMUM 755 SECOND-FOOT FEBRUARY 13.

MINIMUM 0.7 SECOND-FOOT SEVERAL DAYS IN OCTOBER.

1954-55

MAXIMUM 547 SECOND-FOOT JANUARY 18.

MINIMUM 0.2 SECOND-FOOT SEPTEMBER 12.

COOPERATION: RECORDS FURNISHED BY VENTURA COUNTY WATER RESOURCES DIVISION. 44 DISCHARGE MEASUREMENTS FURNISHED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF SANTA CLARA RIVER

AT Blue Cut, 0.8 mile west of County line DURING THE YEAR ENDING SEPTEMBER 30, 1954

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	MEAN SEC. NO.	DIS- CHARGE TOTAL	METER NO.
1	10-2	1045 1050	V.C.W.S.	1.6	0.58	1.60	1.45	0.93				0	
2	10-9	1140 1145	"	1.6	0.56	1.36	1.44	0.76				0	
3	10-16	1025 1030	"	1.9	0.72	1.72	1.56	1.24				0	
4	10-23	1335 1340	"	1.9	0.76	1.36	1.56	1.03				0	
5	11-6	1445 1450	"	2.4	0.78	1.40	1.60	1.09				0	
6	11-12	1236 1245	TURNER	3.4	1.19	1.34	1.63	1.60	.6	6	0	FC43	
7	11-14	1345 1355	V.C.W.S.	9.0	4.90	1.83	2.06	9.2				0	
8	11-20	1525 1535	"	2.0	0.90	1.71	1.50	1.54				0	
9	11-25	1255 1304	HYDE	3.0	0.93	2.26	1.54	2.10	.5	7	0	FC35	
10	11-27	0950 1000	V.C.W.S.	2.9	1.14	2.35	1.58	2.68				0	
11	12-4	1400 1410	"	5.2	2.68	2.07	1.78	5.56				0	
12	12-11	1555 1602	TURNER	5.4	3.01	2.13	1.86	6.4	.6	8	0	FC43	
13	12-18	1535 1545	V.C.W.S.	5.4	3.06	2.60	1.93	7.95				0	
14	12-23	1010 1020	"	5.0	3.13	2.64	1.92	8.26				0	
15	12-23	1435 1447	TURNER	7.8	4.22	1.90	1.92	8.0	.6	10	0	FC43	
16	12-30	1525 1535	V.C.W.S.	7.0	4.08	2.38	1.99	9.7				0	
17	1-7	1400 1415	TURNER	8.0	5.28	1.95	1.99	10.3	.6	9	0	FC43	
18	1-8	1340 1350	V.C.W.S.	6.9	3.76	2.69	1.97	10.1				0	
19	1-13	1010 1030	"	8.4	5.17	2.80	2.11	14.5				0	
20	1-15	1520 1530	"	7.8	4.39	2.80	2.06	12.3				0	
21	1-19	1520 1545	"	23.2	10.2	2.32	2.21	23.7			+.02		
22	1-20	1205 1230	"	58.0	23.6	1.42	2.14	33.5			-.01		
23	1-20	1500 1515	TURNER	53.0	20.8	1.40	2.13	29.2	.6	16	0	FC43	
24	1-21	1220 1250	V.C.W.S.	11.2	8.14	2.56	2.14	20.8			-.01		
25	1-25	1300 1315	"	68.0	37.6	3.14	2.56	118.			+.01		
26	1-26	1040 1100	"	23.0	11.1	2.59	2.14	28.8			0		
27	1-27	1450 1520	"	14.3	8.08	2.65	2.20	21.4			0		
28	1-28	1115 1145	"	14.2	8.22	2.60	2.21	21.4			-.01		
29	1-29	1545 1555	"	36.0	11.7	1.56	2.23	18.2			0		
30	2-1	0950 1015	"	35.8	11.8	1.57	2.23	18.4			-.01		
31	2-3	1400 1415	"	35.6	11.3	1.62	2.25	18.3			0		
32	2-4	1410 1422	TURNER	29.5	9.56	2.18	2.27	20.8	.6	11	0	FC43	
33	2-5	1040 1100	V.C.W.S.	34.6	9.83	1.52	2.29	14.9			0		
34	2-9	1520 1535	"	35.5	10.3	1.84	2.42	19.0			0		
35	2-11	1455 1505	"	27.4	10.6	1.73	2.40	18.3			0		
36	2-14	1320 1345	"	69.0	44.2	3.98	2.77	176.			+.08		
37	2-15	1115 1150	"	21.5	10.5	2.70	2.30	28.3			+.01		
38	2-16	1045 1115	"	23.8	11.0	2.35	2.30	25.8			-.03		
39	2-17	1100 1145	"	18.7	8.23	3.06	2.32	25.2			-.02		
40	2-18	1440 1450	TURNER-EDDE	26.0	9.45	2.46	2.26	23.2	.6	9	0	FC43	
41	2-19	1030 1100	V.C.W.S.	24.3	8.87	2.54	2.11	22.5			0		
42	2-24	1410 1430	"	23.8	8.84	2.05	2.09	18.1			0		
43	3-3	1325 1335	TURNER	14.5	7.08	2.65	1.81	18.8	.6	10	0	FC43	
44	3-4	0945 1005	V.C.W.S.	21.0	8.05	2.29	1.77	18.4			0		
45	3-11	1125 1140	"	14.5	7.62	2.38	1.75	18.1			0		
46	3-17	1400 1415	"	29.0	10.7	2.03	2.05	21.7			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	MEAN SEC. NO.	DIS- CHARGE TOTAL	METER NO.
47	3-18	1350 1405	"	27.0	9.08	1.98	2.00	18.0				0	
48	3-19	1308 1320	"	28.4	7.90	2.04	1.98	16.1	.6	10	0	FC43	
49	3-20	0900 0930	"	112.0	83.8	4.43	2.92	371.				+.08	
50	3-21	0900 0950	"	25.5	15.3	3.60	2.55	55.1				0	
51	3-22	1010 1035	"	27.0	11.6	2.26	2.42	26.2				0	
52	3-24	1030 1100	"	29.0	9.42	2.15	2.41	20.3				+.02	
53	3-26	1100 1120	"	31.0	9.30	2.08	2.43	19.3				+.01	
54	3-29	0930 1000	"	29.0	9.09	2.12	2.40	19.3				0	
55	3-30	1015 1045	"	66.5	22.3	2.03	2.49	45.2				+.02	
56	3-30	1025 1055	TURNER-ROGERS	25.0	10.5	2.52	2.44	26.5	.6	9	0	FC43	
57	3-31	1130 1150	V.C.W.S.	33.0	9.93	1.99	2.37	19.8				+.01	
58	4-1	1340 1355	"	33.2	9.65	1.82	2.37	17.6				0	
59	4-5	0945 1030	"	25.2	8.44	1.85	2.33	16.5				0	
60	4-9	1035 1050	"	33.5	9.33	1.91	2.20	17.8				0	
61	4-14	1330 1340	TURNER	26.2	7.65	1.69	2.16	12.9	.6	10	0	FC43	
62	4-15	0915 0940	V.C.W.S.	25.3	8.31	2.01	2.13	16.7				0	
63	4-28	1340 1350	TURNER	11.5	5.99	2.85	2.01	17.1	.6	8	0	FC43	
64	4-29	0925 0940	V.C.W.S.	10.4	6.60	2.85	1.99	18.8				0	
65	5-5	0850 0905	"	10.8	5.50	2.67	1.94	14.7				0	
66	5-12	1250 1255	TURNER	12.0	5.50	2.42	1.90	13.3	.6	10	0	FC43	
67	5-13	1010 1025	V.C.W.S.	12.0	5.65	2.16	1.91	12.2				0	
68	5-20	1520 1530	"	10.4	3.90	1.74	1.79	6.77				0	
69	5-26	1240 1250	TURNER-LINDSAY	11.7	3.56	1.68	1.74	6.0	.6	10	0	FC43	
70	5-28	1055 1110	V.C.W.S.	9.8	3.04	1.59	1.73	4.83				0	
71	6-9	1002 1017	TURNER	9.6	1.97	1.42	1.66	2.81	.6	9	0	FC43	
72	6-9	1400 1410	V.C.W.S.	4.2	1.41	1.63	1.65	2.30				0	
73	6-16	1400 1405	"	3.5	1.59	1.57	1.61	2.50				0	
74	6-23	1230 1240	HYDE	5.8	2.81	0.89	2.44	2.52	.6	7	0	FC35	
75	6-25	1000 1020	V.C.W.S.	5.0	2.43	1.51	2.48	3.68				0	
76	7-2	1000 1015	"	5.3	1.9	1.27	2.39	2.41				0	
77	7-6	0948 0959	HYDE	4.7	1.55	1.16	2.37	1.85	.5	7	0	FC35	
78	7-9	1150 1205	V.C.W.S.	4.9	1.64	1.09	2.37	1.79				0	
79	7-16	0930 0935	"	2.8	0.71	1.68	2.38	1.19				0	
80	7-21	1219 1225	TURNER	3.8	1.21	1.16	2.33	1.36	.5	6	0	FC43	
81	7-28	1415 1420	V.C.W.S.	2.5	0.59	1.14	2.29	0.67				0	
82	8-4	1450 1455	"	2.4	0.66	1.09	2.36	0.72				0	
83	8-5	1255 1300	TURNER	4.4	1.48	0.95	2.41	1.35	.6	7	0	FC43	
84	8-12	1230 1237	"	4.8	1.36	0.96	2.46	1.27	.6	6	0	FC43	
85	8-13	1510 1515	V.C.W.S.	3.0	0.87	1.31	2.43	1.14				0	
86	8-20	1430 1435	"	2.5	0.82	1.11	2.45	0.91				0	
87	8-26	0930 0935	TURNER	4.0	1.21	1.16	2.47	1.36	.6	6	0	FC43	
88	9-10	1210 1220	TURNER-EDDE	3.8	0.85	1.11	2.33	0.94	.5	6	0	FC43	
89	9-17	1420 1425	V.C.W.S.	2.4	0.51	1.51	2.35	0.77				0	
90	9-23	1245 1300	TURNER	3.8	0.89	0.83	2.31	0.74	.5	6	0	FC43	
91	9-29	1555 1600	V.C.W.S.	2.8	0.77	1.09	2.38	0.84				0	

\*VENTURA COUNTY WATER RESOURCES DIVISION



DISCHARGE MEASUREMENTS OF SANTA CLARA RIVER  
 at Blue Cut DURING THE YEAR ENDING SEPTEMBER 30, 1955

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT- ING	METH- OD	MEAS. REC. NO.	Q. CHG. TOTAL	METER NO.	
47	3-24		"	18.5	6.10	1.92	1.68	11.7						
48	3-30	1427 1440	TURNER	18.0	5.74	1.71	1.65	9.8			.5	11	0	FC43
49	4-7		V.C.W.R.D.	10.8	3.63	1.48	1.69	5.4						
50	4-14		"	6.20	1.47	1.51	1.56	2.2						
51	4-21		"	6.80	1.89	1.61	1.62	3.1						
52	4-22		"	10.2	3.20	1.47	1.65	4.8						
53	4-25		"	9.6	2.43	1.31	1.60	3.2						
54	4-28	1325 1335	TURNER	9.6	2.83	1.38	1.62	3.9			.5	9	0	FC43
55	4-30		V.C.W.R.D.	22.0	11.4	2.29	1.93	26.2						
56	5-1		"	26.8	13.1	2.19	1.88	28.5						
57	5-2		"	22.8	7.61	1.73	1.79	13.2						
58	5-3		"	14.0	5.25	2.38	1.80	12.5						
59	5-5		"	9.2	4.79	2.83	1.81	13.6						
60	5-7		"	38.0	15.6	2.98	1.94	46.5						
61	5-9		"	22.0	7.65	2.10	1.76	16.0						
62	5-13	1300 1315	TURNER	27.4	2.76	1.52	1.72	10.3			.5	15	0	FC43
63	5-19		V.C.W.R.D.	16.5	5.73	2.06	1.69	11.8						
64	5-25	1340 1350	TURNER	24.0	5.83	1.39	1.71	8.4			.5	10	0	FC43
65	6-2		V.C.W.R.D.	20.3	4.53	2.02	1.66	9.13						
66	6-8	1346 1357	SADDORIS	11.2	3.78	1.53	1.57	5.7			.5	8	0	FC43
67	6-9		V.C.W.R.D.	10.8	3.61	1.54	1.59	5.57						
68	6-16		"	9.9	2.87	1.30	1.52	3.72						
69	6-22	1515 1525	TURNER	9.4	2.00	0.90	1.46	1.8			.5	9	0	FC43
70	6-23		V.C.W.R.D.	10.2	2.20	1.26	1.50	2.79						
71	6-30		"	7.6	1.73	1.52	1.43	2.63						
72	7-6	1510 1525	SADDORIS	5.2	1.58	1.20	1.37	1.9			.5	7	0	FC60
73	7-14		V.C.W.R.D.	4.0	1.58	1.18	1.35	1.87						
74	7-22	0905 0915	TURNER	5.4	1.11	1.35	1.35	1.5			.5	7	0	FC43
75	7-26		V.C.W.R.D.	2.9	1.12	1.09	1.33	1.21						
76	8-3	1317 1323	TURNER	4.7	0.90	1.04	1.29	0.94			.5	7	0	FC43
77	8-5		V.C.W.R.D.	2.7	1.09	1.14	1.34	1.24						
78	8-11		"	2.6	0.86	0.91	1.31	0.80						
79	8-18		"	4.0	0.90	1.34	1.33	1.21						
80	8-26		"	2.7	0.82	0.79	1.34	0.73						
81	9-1	1420 1427	TURNER	4.0	0.64	0.97	1.29	0.62			.5	8	0	FC43
82	9-2		V.C.W.R.D.	2.7	0.69	1.30	1.31	0.53						
83	9-7	0937 0945	WHISLER	3.8	0.65	1.22	1.33	0.79			.5	9	0	FC60
84	9-12		V.C.W.R.D.	2.7	0.79	0.47	1.31	0.37						
85	9-15	1335 1343	WHISLER	3.4	1.00	0.59	1.33	0.59			.5	8	0	FC60
86	9-19		V.C.W.R.D.	3.2	1.02	0.92	1.37	0.94						
87	9-20	1330 1340	TURNER	4.8	1.14	0.88	1.39	1.0			.5	11	0	FC60

\*VENTURA COUNTY WATER RESOURCES DIVISION

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT- ING	METH- OD	MEAS. REC. NO.	Q. CHG. TOTAL	METER NO.	
1	10-6	1350 1355	TURNER	3.4	0.99	1.11	2.43	1.1			.6	5	0	FC43
2	10-8		V.C.W.R.D.*	2.8	0.86	1.14	2.39	.98						
3	10-15		"	2.8	0.85	1.11	2.40	.94						
4	10-20	1240 1247	TURNER	4.4	1.43	0.84	2.42	1.20			.5	6	0	FC43
5	10-27		V.C.W.R.D.	2.8	0.84	0.96	2.40	.81						
6	11-3	1400 1409	TURNER	4.6	1.61	0.81	2.42	1.30			.6	6	0	FC43
7	11-5		V.C.W.R.D.	2.8	0.81	1.01	2.40	.82						
8	11-10		"	3.0	0.90	1.14	2.42	1.09						
9	11-17	1433 1441	HYDE	5.5	1.41	0.99	2.27	1.40			.5	7	0	FC35
10	11-19		V.C.W.R.D.	3.0	0.87	1.14	2.38	.99						
11	12-3	1419 1425	TURNER-EDDE	3.8	1.35	1.48	2.50	2.00			.5	5	+02	FC43
12	12-6		V.C.W.R.D.	3.4	1.14	1.37	2.47	1.56						
13	12-10		"	4.9	1.79	1.46	2.58	2.61						
14	12-13		"	5.0	1.97	1.59	2.64	3.12						
15	12-15	1445 1455	TURNER	5.8	2.89	1.74	2.74	4.50			.6	7	0	FC43
16	12-17		V.C.W.R.D.	4.4	2.62	2.24	2.53	5.97						
17	12-24		"	6.5	5.18	2.03	2.42	10.5						
18	12-29	1357 1407	TURNER	7.2	4.63	2.07	2.42	9.6			.6	9	0	FC43
19	12-31		V.C.W.R.D.	5.3	4.52	2.16	2.41	9.76						
20	1-3		"	6.0	4.77	2.20	2.42	10.5						
21	1-4		"	6.0	5.13	2.18	2.41	11.2						
22	1-5	1250 1302	TURNER	7.4	4.87	2.24	2.43	10.9			.6	9	0	FC43
23	1-7		V.C.W.R.D.	6.0	5.47	2.43	2.42	13.3						
24	1-10		"	46.5	32.3	3.06	2.62	98.8						
25	1-11		"	20.5	9.77	1.66	2.20	16.2						
26	1-12		"	20.0	9.23	1.52	1.76	14.0						
27	1-17		"	14.7	8.21	1.86	1.75	15.3						
28	1-18		"	50.0	43.5	4.14	2.68	150.						
29	1-19		"	40.0	13.8	1.86	2.12	25.7						
30	1-20		"	44.0	13.1	1.44	2.01	18.8						
31	1-21		"	19.0	8.31	2.43	2.00	20.2						
32	1-28		"	17.0	8.15	2.12	2.05	17.4						
33	2-2	1320 1330	TURNER	32.0	8.93	1.72	2.04	15.4			.6	12	0	FC43
34	2-4		V.C.W.R.D.	17.5	8.15	2.05	2.01	16.7						
35	2-11		"	19.0	7.75	1.81	1.67	14.0						
36	2-16	1353 1402	TURNER	17.0	7.15	2.20	1.82	15.7			.6	10	+02	FC43
37	2-16		V.C.W.R.D.	17.1	6.99	2.22	1.83	15.5						
38	2-17		"	19.0	8.03	2.34	1.81	18.8						
39	2-27		"	19.0	11.0	3.09	1.79	33.9						
40	2-28		"	23.4	8.74	2.11	1.74	18.4						
41	3-3		"	17.5	6.55	2.22	1.74	14.6						
42	3-3	1355 1407	TURNER	26.0	7.66	1.83	1.74	14.0			.5	12	0	FC43
43	3-7		V.C.W.R.D.	17.0	7.30	2.17	1.72	15.8						
44	3-10		"	17.5	7.60	2.41	1.72	18.3						
45	3-16	1457 1510	TURNER	14.3	6.61	2.22	1.67	14.7			.6	9	0	FC43
46	3-17		V.C.W.R.D.	16.5	7.56	1.94	1.67	14.7						



STATION F280-R  
SANTA FE CHANNEL (RIO HONDO DIVERSION) below Santa Fe Dam

LOCATION: WATER-STAGE RECORDER, LAT. 34°06'46", LONG. 117°58'16", ON THE LEFT (SOUTH) BANK OF SANTA FE CHANNEL (THE DIVERSION CANAL), 400 FEET DOWN-STREAM FROM THE STILLING BASIN OUTLET AT SANTA FE DAM AND 1.5 MILES NORTH OF BALDWIN PARK. ELEVATION OF ZERO GAGE HEIGHT, 401.94 FEET.

DRAINAGE AREA: CONTROLLED.

CHANNEL AND CONTROL: CHANNEL - SAND AND GRAVEL, CONTROL - CONCRETE APRON 3 FEET WIDE, 10 FEET BELOW STATION.

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

RECORDER: INSTALLED OCTOBER 1953 OVER A 24-INCH WIDE COMBINATION STILLING WELL AND INTAKE DITCH, AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1953 TO SEPTEMBER 30, 1955.

REGULATION: FLOW REGULATED BY 5 GATED OPENINGS FROM THE STILLING BASIN OUTLET OF SANTA FE DAM TO SANTA FE CHANNEL (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, 1955.

EXTREMES OF DISCHARGE:

1953-54  
MAXIMUM 752 SECOND-Feet MAY 7.  
MINIMUM NO FLOW MOST OF YEAR.

1954-55  
NO FLOW ENTIRE YEAR.

1943-55  
MAXIMUM 836 SECOND-Feet, NOVEMBER 3, 1952.  
MINIMUM NO FLOW MOST OF EACH YEAR.

ACCURACY: GOOD.

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

DISCHARGE MEASUREMENTS OF SANTA FE CHANNEL  
below Santa Fe Dam DURING THE YEAR ENDING SEPTEMBER 30, 1954

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION NO. FT. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE READING FEET	DISCHARGE REG. FT.	RAT. IND.	METH. CD.	MEAS. REC. NO.	BL. CH. CHANGE TOTAL	MEYER NO.
80	5-5	0920 1004	STUNDEN-LINDSAY	33.0	109.	3.05	5.33	332.		1.8	14	+.02	FC12
81	5-5	1333 1408	STUNDEN-HYDE	33.0	97.4	2.85	4.91	277.		1.8	15	0	"
82	5-6	0845 0927	GODFREY	33.5	105.	3.00	5.18	316.		1.8	14	0	"
83	5-7	1140 1215	MIDDLETON-SPELLMAN	40.0	161.	4.08	6.51	657.		1.6	21	+.02	"
84	5-7	1405 1515	STUNDEN-MIDDLETON	42.0	186.	4.00	7.22	745.		1.6	23	0	"
85	5-8	0830 0940	STUNDEN-THOMAS	40.5	187.	4.00	7.22	749.		1.6	23	-.01	"
86	5-10	0905 1040	STUNDEN	40.5	183.	3.93	7.04	720.		1.6	22	+.01	"
87	5-11	0810 0940	"	40.5	178.	4.04	6.96	719.		1.6	22	+.01	"
88	5-12	1115 1138	STUNDEN-WHISLER	31.0	79.8	2.42	4.33	193.		1.6	15	+.50	"
89	5-12	1200 1215	STUNDEN	27.0	49.8	1.77	3.58	88.3		1.6	14	-.60	"
90	5-12	1220 1233	"	26.5	47.3	1.80	3.23	85.3		1.6	13	-.02	"
91	5-12	1245 1253	STUNDEN-WHISLER	24.5	36.2	1.20	2.96	43.6		1.6	13	+.49	"
92	5-12	1300 1310	"	23.0	30.4	1.30	2.64	39.6		1.6	11	-.01	"
93	5-12	1311 1317	"	22.0	29.8	1.30	2.63	38.6		1.6	10	-.01	"

6074M Cb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F280-R

Daily discharge, in second-feet of SANTA FE CHANNEL below Santa Fe Dam for the year ending September 30, 1954

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	194	0	0	0	0
6	0	0	0	0	0	0	0	319	0	0	0	0
7	0	0	0	0	0	0	0	534	0	0	0	0
8	0	0	0	0	0	0	0	750	0	0	0	0
9	0	0	0	0	0	0	0	724	0	0	0	0
10	0	0	0	0	0	0	0	709	0	0	0	0
11	0	0	0	0	0	0	0	637	0	0	0	0
12	0	0	0	0	0	0	0	292	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	4209	0	0	0	0
MEAN	0	0	0	0	0	0	0	136.	0	0	0	0
ACRE-FOOT	0	0	0	0	0	0	0	8350.	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN ACRE-FOOT 11.5 8350.

STATION F125-R  
SANTIAGO CREEK above Little Rock Creek

LOCATION: WATER-STAGE RECORDER, LAT 34°27'59", LONG. 118°01'23" ON THE RIGHT (SOUTH) BANK ABOUT 1000 FEET ABOVE LITTLE ROCK CREEK. ELEVATION OF GAGE ABOUT 3280 FEET.

DRAINAGE AREA: 11.2 SQUARE MILES

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

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

RECORDER: AN H.C.F. CONTINUOUS RECORDER INSTALLED SEPTEMBER 29, 1953 OVER A 24 INCH CORRUGATED IRON PIPE STILLING WELL AND IN SERVICE TO SEPTEMBER 30, 1955.

REGULATION: NONE

RECORDS AVAILABLE: SEPTEMBER 29, 1953 TO SEPTEMBER 30, 1955.

EXTREMES OF DISCHARGE:

1953-54  
MAXIMUM 44 SECOND-FOOT JANUARY 25.  
MINIMUM NO FLOW PART OF YEAR.

1954-55  
MAXIMUM 16 SECOND-FOOT FEBRUARY 17.  
MINIMUM NO FLOW PART OF YEAR.

ACCURACY: GOOD.

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

DISCHARGE MEASUREMENTS OF SANTIAGO CREEK  
above Little Rock Creek DURING THE YEAR ENDING SEPTEMBER 30, 1954

DISCHARGE MEASUREMENTS OF SANTIAGO CREEK  
above Little Rock Creek DURING THE YEAR ENDING SEPTEMBER 30, 1955

NO.	DATE	RESID. SNO.	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INS.	METH. CO.	HEAR. REC. NO.	S. CH. CHANGE TOTAL	METER NO.
1	1-14	1455 1450	DE MARS-TURNER	2.2	0.20	0.85	0.70	0.17	.5	4	0	FC43	
2	1-19	1205 1215	MIDDLETON-DE MARS	14.0	6.56	1.68	1.29	11.0	.6	9	0	FC6	
3	1-19	1915 1925	" "	15.0	7.98	2.54	1.41	20.3	.6	9	+01	"	
4	1-20	0900 0914	DE MARS-MIDDLETON	8.6	3.40	1.47	1.02	5.0	.6	10	0	"	
5	1-20	1308 1316	MIDDLETON-DE MARS	8.4	3.13	1.29	0.97	4.0	.6	10	0	FC26	
6	1-21	1137 1147	TURNER	6.8	2.14	1.03	0.78	2.2	.5	9	0	FC43	
7	1-24	1515 1526	DE MARS-MULLEN	7.0	1.90	0.89	0.77	1.7	.6	9	+01	FC26	
8	1-24	2145 2159	MIDDLETON-DE MARS	14.0	7.12	1.59	1.24	11.3	.6	9	0	"	
9	1-25	0757 0810	" "	CHANNELS			1.58	34.4	.6	15	0	FC6	
10	1-25	1310 1320	MIDDLETON-MULLEN				1.25	19.0	.6	13	+01	"	
11	1-27	1000 1010	TURNER	8.0	2.54	1.22	0.75	3.1	.5	9	0	FC43	
12	2-3	1129 1129	" "	5.2	1.37	0.68	0.67	0.93	.5	6	0	"	
13	2-10	1450 1455	" "	4.8	1.03	0.48	0.62	0.49	.5	6	0	"	
14	2-13	1930 1938	MIDDLETON-DE MARS	CHANNELS			1.26	20.3	.6	15	+02	FC26	
15	2-13	2228 2248	DE MARS-MIDDLETON				1.44	30.6	.6	18	+03	"	
16	2-14	0918 0928	" "	9.0	5.56	2.27	1.16	12.6	.6	10	+01	"	
17	2-14	1242 1242	" "	10.0	6.37	2.39	1.22	15.2	.6	11	+01	"	
18	2-15	1410 1420	DE MARS	8.5	4.03	1.57	0.97	6.3	.6	10	0	FC34	
19	2-17	1030 1040	TURNER	7.6	3.21	1.37	0.88	4.4	.5	6	0	FC43	
20	2-19	1135 1143	DE MARS	7.0	2.27	1.14	0.82	2.6	.6	8	0	FC34	
21	2-25	1111 1117	TURNER	7.4	2.05	0.93	0.52	1.9	.5	8	0	FC43	
22	3-4	1241 1247	" "	4.8	1.21	0.91	0.47	1.1	.5	6	0	"	
23	3-11	1045 1050	" "	4.8	1.17	0.86	0.45	0.99	.5	6	0	"	
24	3-17	1500 1505	TURNER	5.0	1.74	1.03	0.52	1.8	.5	7	0	"	
25	3-20	1350 1355	" "	6.0	1.94	1.34	0.60	2.5	.6	7	0	"	
26	3-25	1040 1047	" "	6.9	2.91	1.41	0.69	4.1	.5	8	0	"	
27	4-1	0904 0913	" "	7.2	2.97	1.55	0.69	4.6	.5	9	0	"	
28	4-8	0934 0943	" "	7.0	2.54	1.34	0.62	3.4	.5	8	0	"	
29	4-15	0919 0925	" "	7.0	2.16	1.02	0.56	2.2	.5	8	0	"	
30	4-22	0920 0928	" "	6.4	1.75	0.86	0.51	1.5	.5	8	0	"	
31	4-29	0934 0940	" "	6.2	1.78	0.79	0.50	1.4	.5	7	0	"	
32	5-6	1007 1013	" "	5.9	1.47	0.63	0.46	0.93	.5	7	0	"	
33	5-13	0926 0935	" "	5.8	1.33	0.59	0.43	0.79	.5	7	0	"	
34	5-20	0934 0940	" "	5.2	1.11	0.53	0.40	0.59	.5	6	0	"	
35	5-27	0935 0940	" "	3.8	0.74	0.66	0.40	0.49	.5	5	0	"	
36	6-10	0930 0936	HYDE-TURNER	3.5	0.73	0.59	0.38	0.43	.5	5	0	"	

NO.	DATE	RESID. SNO.	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INS.	METH. CO.	HEAR. REC. NO.	S. CH. CHANGE TOTAL	METER NO.
37	11-17	1139 1139	DE MARS-VAN ALLEN	1.7	0.28	0.68	0.35	0.19	.5	6	0	FC34	
38	11-26	1204 1208	HYDE	3.5	0.55	0.33	0.35	0.16	.5	5	0	FC35	
39	12-2	1106 1112	" "	3.6	0.67	0.40	0.37	0.27	.5	5	0	"	
40	12-8	0950 0955	TURNER	4.0	0.85	0.58	0.42	0.49	.5	6	0	FC43	
41	12-10	1600 1607	DE MARS-VAN ALLEN	6.0	1.66	0.78	0.55	1.3	.5	7	0	FC34	
42	12-16	0934 0940	TURNER	4.2	0.88	0.61	0.42	0.54	.5	6	0	FC43	
43	12-21	1427 1433	" "	4.0	0.92	0.52	0.42	0.48	.5	6	0	"	
44	12-30	1057 1103	" "	4.2	0.94	0.39	0.42	0.37	.5	6	0	"	
45	1-10	1115 1120	" "	4.8	1.36	0.74	0.53	1.0	.6	7	0	"	
46	1-13	1440 1445	" "	4.4	1.19	0.72	0.49	0.86	.5	6	0	"	
47	1-19	1436 1445	TURNER-ROGERS	5.0	1.45	0.90	0.55	1.3	.5	7	0	"	
48	1-27	0926 0952	TURNER	5.6	1.71	0.99	0.58	1.7	.5	8	0	"	
49	2-3	1116 1122	" "	6.0	1.79	1.17	0.61	2.1	.5	6	0	"	
50	2-10	0920 0927	" "	5.6	1.84	1.09	0.60	2.0	.5	7	0	"	
51	2-17	1050 1057	" "	8.1	5.08	2.70	1.02	13.7	.5	6	0	"	
52	2-17	1800 1815	HYDE-DE MARS	8.5	5.21	2.23	0.58	11.6	.6	10	0	EC34	
53	2-18	1340 1340	DE MARS-HYDE	8.0	3.99	1.70	0.86	6.8	.5	10	0	"	
54	2-23	0956 0957	TURNER	6.0	2.22	1.26	0.64	2.8	.5	6	0	FC43	
55	2-28	1007 1015	" "	6.5	2.26	1.28	0.65	2.9	.5	6	0	"	
56	3-9	0934 0940	" "	6.4	2.22	1.04	0.60	2.3	.5	6	0	"	
57	3-17	0940 0947	" "	6.6	2.00	1.20	0.62	2.4	.5	6	0	"	
58	3-24	0926 0955	" "	5.4	1.79	1.01	0.58	1.8	.5	6	0	FC60	
59	4-1	0920 0937	" "	5.6	1.64	0.91	0.57	1.5	.5	7	0	FC43	
60	4-6	0935 0942	" "	5.4	1.64	0.91	0.54	1.5	.5	7	0	"	
61	4-13	0940 0947	" "	8.3	3.74	0.27	0.84	1.0	.5	6	0	FC60	
62	4-20	0945 0955	TURNER	8.2	3.71	0.23	0.83	0.86	.5	6	0	FC60	
63	4-26	1330 1340	" "	5.3	2.20	0.50	0.90	1.1	.5	6	0	"	
64	5-2	1420 1427	TURNER-ROGERS	5.4	2.61	0.61	0.98	1.6	.5	6	0	FC43	
65	5-5	0920 0927	TURNER	6.7	2.36	1.06	0.66	2.5	.5	6	0	"	
66	5-12	0903 0910	" "	6.0	1.85	0.97	0.58	1.8	.5	7	0	"	
67	5-19	0926 0935	" "	5.8	1.60	0.69	0.54	1.1	.5	7	0	"	
68	5-26	0910 0925	" "	5.7	1.52	0.72	0.52	1.1	.5	7	0	"	
69	6-2	0925 0932	" "	5.4	1.38	0.58	0.50	0.80	.5	6	0	"	
70	6-9	1010 1015	SADDORIS	5.0	1.04	0.41	0.43	0.43	.5	8	0	FC60	
71	6-23	0913 0918	TURNER	1.1	0.18	0.61	0.39	0.11	.5	5	0	"	

SDP4M Cb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F125-R

Daily discharge, in second-feet of SANTIAGO CREEK above Little Rock Creek for the year ending September 30, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0.8	1.2	4.5	1.2	0.4	0	0	0
2	0	0	0	0	0.8	1.1	4.5	1.1	0.3	0	0	0
3	0	0	0	0	0.8	1.1	4.5	1.0	0.3	0	0	0
4	0	0	0	0	0.8	1.1	4.0	0.9	0.4	0	0	0
5	0	0	0	0	0.9	a 1.1	4.5	0.8	0.4	0	0	0
6	0	0	0	0	0.7	1.1	4.5	0.8	0.4	0	0	0
7	0	0	0	0	0.6	1.1	4.0	0.8	0.4	0	0	0
8	0	0	0	0	0.5	1.0	3.7	0.7	0.4	0	0	0
9	0	0	0	0	0.5	1.0	3.4	0.9	0.4	0	0	0
10	0	0	0	0	0.6	a 1.0	3.2	0.9	0.4	0	0	0
11	0	0	0	0	0.5	1.0	3.0	0.8	0.3	0	0	0
12	0	0	0	0	0.4	a 1.0	2.6	0.7	0.3	0	0	0
13	0	0	0	0	7.1	0.9	2.4	0.6	0.3	0	0	0
14	0	0	0	0.1	1.5	0.8	2.1	0.5	0.3	0	0	0
15	0	0	0	0.2	7.1	0.8	1.9	0.7	0.3	0	0	0
16	0	0	0	0.2	5.4	0.8	1.7	0.5	a 0.3	0	0	0
17	0	0	0	0.2	4.6	1.8	1.7	0.4	0.2	0	0	0
18	0	0	0	0.2	4.2	1.6	1.7	0.4	0.2	0	0	0
19	0	0	0	1.3	2.8	1.6	1.7	0.4	0.2	0	0	0
20	0	0	0	5.7	a 2.6	2.6	1.7	0.4	0.1	0	0	0
21	0	0	0	2.2	2.5	3.5	1.7	0.4	0.1	0	0	0
22	0	0	0	1.6	2.3	6.0	1.5	0.4	0.1	0	0	0
23	0	0	0	1.2	2.2	7.6	1.3	0.4	a +	0	0	0
24	0	0	0	3.5	a 2.0	4.8	1.5	0.4	0	0	0	0
25	0	0	0	2.4	1.9	4.1	1.5	0.4	0	0	0	0
26	0	0	0	8.4	1.7	3.5	1.5	0.4	0	0	0	0
27	0	0	0	3.7	1.3	4.0	1.5	0.3	+	0	0	0
28	0	0	0	1.9	1.2	4.5	1.5	0.4	+	0	0	0
29	0	0	0	1.3	1.2	4.7	1.3	0.4	+	0	0	0
30	0	0	0	0.9	1.1	4.8	1.2	0.4	0	0	0	0
31	0	0	0	0.9	1.1	a 4.2	1.2	0.4	0	0	0	0
	0	0	0	69.5	71.9	75.4	75.8	18.9	6.5	0	0	0

MEAN	0	0	0	2.24	2.57	2.43	2.53	0.61	0.22	0	0	0
ACRE-FOOT	0	0	0	138.	143.	150.	150	37.	13.	0	0	0

Remarks: + = 0.05 cfs or less

YEAR OR PERIOD MEAN ACRE-FOOT 0.87 631.

SDP4M Cb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F125-R

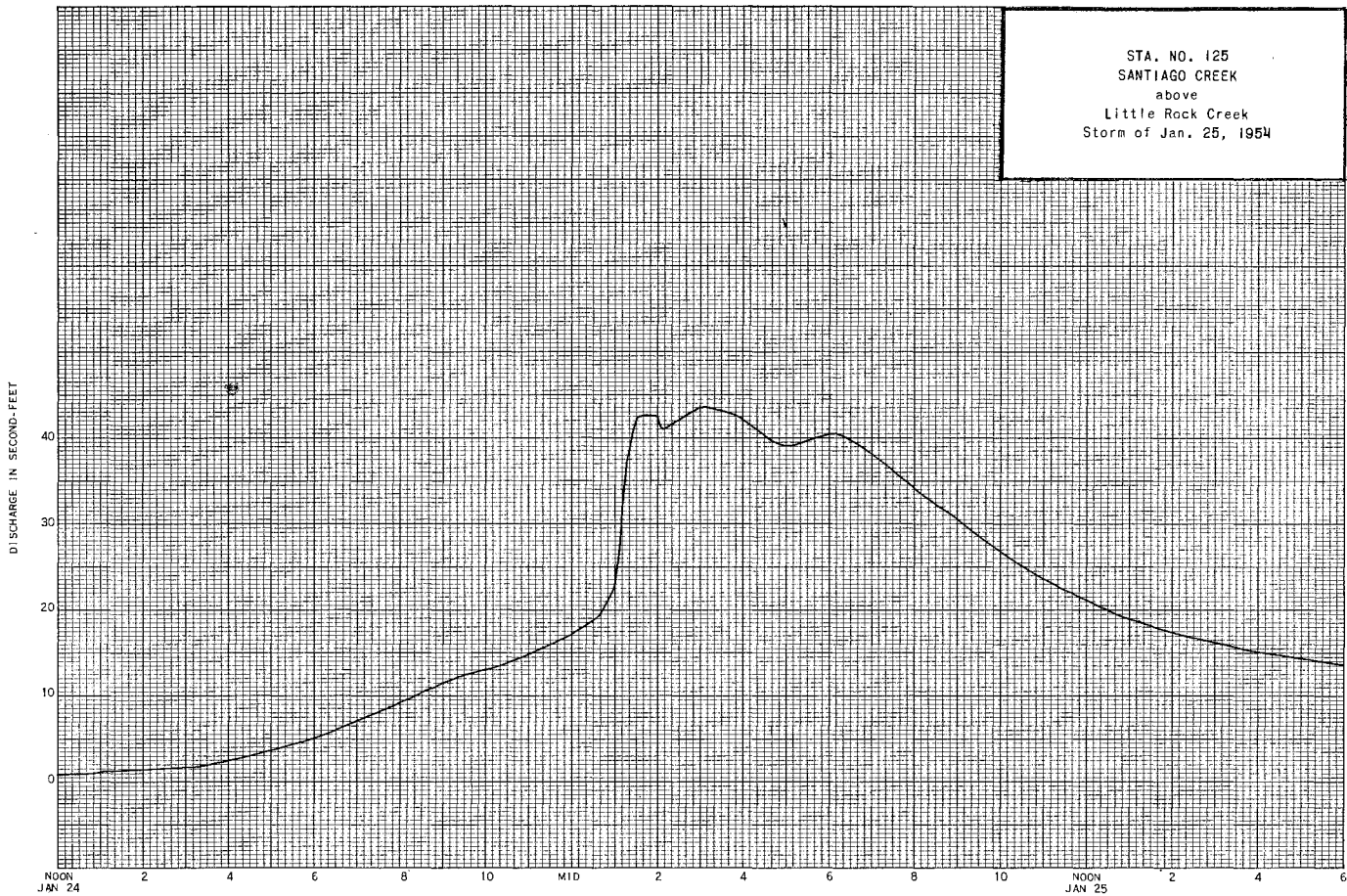
Daily discharge, in second-feet of SANTIAGO CREEK above Little Rock Creek for the year ending September 30, 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	a 0.3	0.4	2.6	d 2.0	1.5	2.6	0.7	0.1	0	0
2	0	0	0.3	0.5	2.6	d 2.1	1.5	2.1	0.6	0.1	0	0
3	0	0	0.3	0.5	2.1	d 2.2	1.7	2.1	0.5	0.1	0	0
4	0	0	0.4	a 0.5	1.7	d 2.2	1.7	2.4	0.5	0.1	0	0
5	0	0	0.4	0.4	1.7	d 2.2	1.7	2.4	0.4	0.1	0	0
6	0	0	0.4	0.4	1.5	d 2.1	1.5	2.1	0.4	+	0	0
7	0	0	0.4	0.3	1.7	d 2.1	1.3	3.0	0.4	+	0	0
8	0	0	0.5	0.5	1.7	d 2.1	1.2	2.8	0.4	+	0	0
9	0	0	0.5	0.5	1.7	d 2.3	1.2	2.6	0.4	+	0	0
10	0	0	1.8	1.0	1.9	d 2.4	1.3	1.9	0.4	+	0	0
11	0	1.1	0.8	1.1	1.9	4.2	1.0	1.7	0.4	+	0	0
12	0	0.3	0.7	a 1.0	1.9	4.0	1.0	1.5	0.4	+	0	0
13	0	0.2	0.5	0.9	2.4	3.4	0.9	1.3	0.4	0	0	0
14	0	0.1	0.6	0.8	2.8	3.0	0.9	1.5	0.4	0	0	0
15	0	0.1	0.6	0.9	3.7	d 2.8	0.8	1.5	0.3	0	0	0
16	0	0.2	0.4	1.3	1.6	d 2.8	0.8	1.5	0.3	0	0	0
17	0	a 0.2	0.4	1.3	1.6	d 2.1	0.8	1.2	0.2	0	0	0
18	0	0.2	0.4	2.8	7.4	1.9	1.0	0.2	0	0	0	0
19	0	0.2	0.4	1.8	4.8	1.9	0.9	1.0	0.1	0	0	0
20	0	0.2	0.5	1.5	3.4	1.9	0.9	1.0	0.1	0	0	0
21	0	0.3	0.5	1.3	2.8	1.7	0.9	1.0	0.1	0	0	0
22	0	0.3	0.5	1.2	2.6	1.7	2.6	1.0	0.1	0	0	0
23	0	0.3	0.5	1.3	2.8	1.5	1.3	1.0	0.1	0	0	0
24	0	0.3	0.4	1.3	2.7	1.5	1.0	1.0	0.1	0	0	0
25	0	0.3	0.4	1.5	d 2.6	1.5	1.0	1.0	0.1	0	0	0
26	0	0.3	0.4	1.5	d 2.6	1.5	1.0	0.9	0.1	0	0	0
27	0	0.3	0.4	1.5	d 2.6	1.5	1.0	0.9	0.1	0	0	0
28	0	0.3	d 0.4	1.7	d 2.9	1.5	1.0	0.8	0.1	0	0	0
29	0	0.3	d 0.4	1.7	d 2.9	1.5	0.8	0.7	0.1	0	0	0
30	0	a 0.3	0.4	1.9	1.9	1.7	0.7	0.7	0.1	0	0	0
31	0	0.3	0.4	2.6	1.9	1.9	1.4	0.7	0.1	0	0	0
	0	4.8	15.4	36.5	39.0	67.4	35.3	46.1	8.4	0.5	0	0

MEAN	0	0.16	0.50	1.18	3.18	2.17	1.18	1.49	0.28	0.02	0	0
ACRE-FOOT	0	9.5	31.	72.	177.	134.	70.	91.	17.	1.0	0	0

Remarks: + = 0.05 cfs or less

YEAR OR PERIOD MEAN ACRE-FOOT 0.83 602.



STATION F278-R  
SAWPIT CREEK below Sawpit Dam

LOCATION: WATER-STAGE RECORDER, LAT. 34°10'32", LONG 117°59'16", ON THE RIGHT (NORTH) SIDE OF THE STREAM, ABOUT 500 FEET DOWNSTREAM FROM SAWPIT DAM AND ABOUT 2.5 MILES NORTH OF MONROVIA, ELEVATION OF GAGE 1199.27 FEET.

DRAINAGE AREA: 3.3 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - SAND AND GRAVEL, A BROAD-CRESTED WEIR FORMS THE CONTROL.

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

RECORDER: INSTALLED FEBRUARY 6, 1942, REMOVED AUGUST 31 AND INSTALLED IN THE PRESENT LOCATION ON SEPTEMBER 4, 1943, AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1953 TO SEPTEMBER 30, 1955.

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, 1955, OUTFLOW RECORDS FROM SAWPIT DAM ARE AVAILABLE COMMENCING OCTOBER 1, 1931.

EXTREMES OF DISCHARGE:

1953-54

MAXIMUM 30 SECOND-FEET JANUARY 25 AND FEBRUARY 13,  
MINIMUM NO FLOW MOST OF YEAR.

1954-55

MAXIMUM 29 SECOND-FEET NOVEMBER 13,  
MINIMUM NO FLOW PART OF YEAR.

1942-55

MAXIMUM 665 SECOND-FEET, MARCH 2, 1936, BASED ON DAM OPERATION RECORDS AND INCLUDING SPILLWAY FLOW, SPILLWAY FLOW BY-PASSED STATION.  
MAXIMUM OUTLET DISCHARGE FROM SAWPIT DAM, 284 SECOND-FEET, JANUARY 23, 1943.

MINIMUM NO FLOW, VARIOUS PERIODS EACH YEAR.

ACCURACY: GOOD.

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

DISCHARGE MEASUREMENTS OF SAWPIT CREEK below Sawpit Dam DURING THE YEAR ENDING SEPTEMBER 30, 1954

DISCHARGE MEASUREMENTS OF SAWPIT CREEK below Sawpit Dam DURING THE YEAR ENDING SEPTEMBER 30, 1955

NO.	DATE	BEIGN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAT. INH	METH. ID	HEAR. REC. INH	D. FT. CHANGE	METER NO.	NO.	DATE	BEIGN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAT. INH	METH. ID	HEAR. REC. INH	D. FT. CHANGE	METER NO.
165	1-19	1139 1141	STUNDEN-MURPHY	1.3	0.46	6.96	0.42	3.2	.6	4	0	FC36	191	11-11	0910 0913	STUNDEN-MURPHY	2.0	1.05	5.80	0.74	6.1	FLOATS	6	+	0.02		
166	1-21	1045 1048	STUNDEN-GODFREY	1.5	0.30	0.90	0.06	0.27	.5	4	0	"	192	11-18	1200 1205	STUNDEN	1.1	0.04	3.25	0.03	0.13	"	6	0			
167	1-24	1032 1037	STUNDEN-MURPHY	1.3	0.35	4.86	0.36	1.7	FLOATS	4	0		193	11-26	1030 1035	"	1.1	0.03	2.67	0.02	0.08	"	5	0			
168	1-27	1410 1415	STUNDEN	1.3	0.29	4.48	0.28	1.3	"	5	0		194	12-2	0800 0805	"	1.0	0.06	3.34	0.05	0.20	"	4	0			
169	2-5	1350 1355	"	1.1	0.13	4.23	0.12	0.55	"	5	0		195	12-9	1032 1037	"	1.0	0.04	3.50	0.04	0.14	"	5	0			
170	2-11	1230 1235	"	1.1	0.07	3.14	0.06	0.22	"	5	0		196	12-16	1245 1250	"	1.1	0.04	3.50	0.04	0.14	"	5	0			
171	2-13	0800 0805	STUNDEN-MURPHY	5.5	3.95	6.53	1.63	25.8	.6	9	-0.2	FC12	197	12-23	1000 1001	"	1.1	0.05	3.60	0.05	0.18	"	5	0			
172	2-16	0800 0805	STUNDEN	1.2	0.33	5.15	0.30	1.7	FLOATS	5	+0.2		198	12-29	1335 1340	"	1.1	0.05	3.60	0.06	0.18	"	5	0			
173	2-27	1130 1135	"	1.1	0.06	3.83	0.06	0.23	"	5	0		199	1-6	1520 1525	"	1.1	0.17	4.28	0.16	0.73	"	5	0			
174	3-3	1512 1522	"	1.0	0.18	1.39	0.06	0.25	.5	5	0	FC50	200	1-10	0720 0735	STUNDEN-MURPHY	1.8	1.00	6.30	0.74	6.3	.6	6	-0.08	FC36		
175	3-11	1325 1330	"	0.60	0.13	0.61	0.03	0.08	.5	4	0	"	201	1-13	1200 1205	STUNDEN	1.1	0.10	3.80	0.10	0.39	FLOATS	5	0			
176	3-16	2145 2153	STUNDEN-MURPHY	1.5	0.70	7.86	0.62	5.5	.6	4	-0.4	FC12	202	1-16	1045 1051	"	1.1	0.17	4.29	0.16	0.73	"	5	0			
177	3-18	1300 1306	STUNDEN	1.0	0.26	0.88	0.04	0.23	.5	5	0	FC50	203	1-18	1400 1406	STUNDEN-MC MURRY	3.0	2.22	6.80	1.32	15.1	.6	7	0	FC36		
178	3-20	0550 0554	STUNDEN-MURPHY	4.0	1.36	1.32	0.38	1.8	.6	9	+0.2	FC12	204	1-20	1030 1035	STUNDEN	1.3	0.26	4.22	0.23	1.1	FLOATS	5	0			
179	3-24	1130 1140	STUNDEN	3.0	1.22	1.56	0.36	1.9	.5	7	0	"	205	1-27	1115 1120	"	1.1	0.13	3.15	0.11	0.41	"	5	0			
180	3-30	1057 1106	WHISLER-STUNDEN	8.4	2.61	1.46	0.49	3.8	.5	9	0	FC36	206	2-3	0820 0825	"	1.1	0.10	3.60	0.09	0.36	"	5	0			
181	4-8	1215 1220	STUNDEN	1.1	0.17	4.18	0.16	0.71	FLOATS	5	0		207	2-10	0805 0810	"	1.1	0.04	3.75	0.04	0.15	"	5	0			
182	4-14	1320 1330	"	1.1	0.08	3.88	0.08	0.31	"	6	0		208	2-17	0850 0855	"	1.1	0.04	3.74	0.04	0.15	"	5	0			
183	4-21	1345 1348	WHISLER	1.0	0.05	3.40	0.05	0.17	"	3	0		209	2-23	0845 0850	"	1.1	0.04	3.75	0.04	0.15	"	5	0			
184	4-29	1420 1425	"	1.0	0.04	4.50	0.04	0.18	"	4	0		210	2-27	1130 1135	"	1.1	0.07	3.72	0.06	0.26	"	5	0			
185	5-6	1415 1420	STUNDEN	1.0	0.04	3.50	0.04	0.14	"	5	0		211	3-3	1210 1215	"	1.1	0.03	4.00	0.03	0.12	FLOATS	5	0			
186	5-13	1225 1230	"	1.0	0.04	3.50	0.04	0.14	"	5	0		212	3-10	1505 1508	WHISLER	1.4	0.27	0.89	0.06	0.24	.6	7	0	FC50		
187	5-20	1130 1135	"	1.1	0.04	2.75	0.03	0.11	"	5	0		213	3-15	1105 1110	STUNDEN	1.1	0.03	4.00	0.03	0.12	FLOATS	5	0			
188	5-27	1200 1210	"	1.0	0.06	3.82	0.06	0.23	"	5	0		214	3-16	0642 0646	"	1.6	0.78	5.00	0.68	3.9	"	6	0			
189	6-3	1500 1505	"	1.0	0.04	3.33	0.03	0.10	"	4	0		215	3-24	1330 1335	"	1.1	0.06	3.83	0.06	0.23	"	5	0			
190	6-9	1458 1503	"	1.0	0.02	3.50	0.02	0.07	"	4	0		216	3-30	1150 1155	STUNDEN	1.1	0.03	4.00	0.03	0.12	"	5	0			
													217	4-7	1225 1230	"	1.0	0.02	4.00	0.02	0.08	"	4	0			
													218	5-4	0825 0830	"	1.1	0.06	3.83	0.06	0.23	"	5	0			
													219	5-12	1032 1036	"	1.1	0.04	3.75	0.04	0.15	"	5	0			

FD7422 Cb 12-53

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT HYDRAULIC DIVISION

Sta. No. F278-R

Daily discharge, in second-feet of SAWPIT CREEK below Sawpit Dam for the year ending September 30, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0.7	0.2	2.5	0.1	0.1	0	0	0
2	0	0	0	0	0.4	0.2	2.1	0.1	0.1	0	0	0
3	0	0	0	0	0.6	0.2	1.5	0.2	0.1	0	0	0
4	0	0	0	0	0.5	0.2	1.4	0.2	0.1	0	0	0
5	0	0	0	0	0.5	0.2	1.5	0.2	0.1	0	0	0
6	0	0	0	0	0.5	0.2	1.3	0.1	0.1	0	0	0
7	0	0	0	0	0.5	0.2	1.2	0.1	0.1	0	0	0
8	0	0	0	0	0.4	0.1	0.7	0.1	0.1	0	0	0
9	0	0	0	0	0.3	0.1	0.7	0.1	0.1	0	0	0
10	0	0	0	0	0.2	0.1	0.7	0.1	0.1	0	0	0
11	0	0	0	0	0.2	0.1	0.6	0.1	0.1	0	0	0
12	0	0	0	0	0.2	0.1	0.6	0.1	0.1	0	0	0
13	0	0	0	0	0.2	0.1	0.5	0.1	0.1	0	0	0
14	0	0	0	0	0.1	0.1	0.4	0.1	0.1	0	0	0
15	0	0	0	0	0.2	0.1	0.3	0.1	0.1	0	0	0
16	0	0	0	0	1.5	1.9	0.3	0.1	0	0	0	0
17	0	0	0	0	1.5	0.3	0.2	0.1	0	0	0	0
18	0	0	0	0	1.2	0.2	0.2	0.1	0	0	0	0
19	0	0	0	6.3	0.7	0.4	0.2	0.1	0	0	0	0
20	0	0	0	1.0	0.5	1.3	0.2	0.1	0	0	0	0
21	0	0	0	0.2	0.5	1.2	0.2	0.1	0	0	0	0
22	0	0	0	0.2	0.4	1.5	0.2	0.1	0	0	0	0
23	0	0	0	0.2	0.3	1.5	0.2	0.1	0	0	0	0
24	0	0	0	0.2	0.3	1.5	0.2	0.1	0	0	0	0
25	0	0	0	7.1	0.3	1.8	0.2	0.1	0	0	0	0
26	0	0	0	1.9	0.2	2.1	0.2	0.1	0	0	0	0
27	0	0	0	2.2	0.2	1.3	0.2	0.1	0	0	0	0
28	0	0	0	1.3	0.2	1.0	0.2	0.1	0	0	0	0
29	0	0	0	0.9	0.2	1.0	0.2	0.1	0	0	0	0
30	0	0	0	0.8	0.2	1.4	0.1	0.1	0	0	0	0
31	0	0	0	0.8	0.2	6.5	0.1	0.1	0	0	0	0
	0	0	0	41.0	32.6	28.9	19.5	3.4	1.2	0	0	0
MEAN	0	0	0	1.32	1.16	0.93	0.65	0.11	0.04	0	0	0
ACRE FEET	0	0	0	81.	65.	37.	39.	6.7	2.4	0	0	0

Remarks: + = 0.05 cfs or less

YEAR OR PERIOD MEAN 0.35  
ACRE-FEET 251.



FD-714M Gb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F287-R

Daily discharge, in second-feet of SAWPIT CREEK below Sawpit Dam for the year ending September 30, 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	v 0.2	0.4	0.4	0.2	0.1	0.2	+	0	0	0
2	0	0	0.2	0.3	0.4	0.1	0.1	0.2		0	0	0
3	0	0	1.0	0.3	0.4	0.1	0.1	0.2		0	0	0
4	0	0	0.3	0.2	0.5	0.2	0.1	0.2		0	0	0
5	0	0	0.1	0.2	0.4	0.2	0.1	0.2	+	0	0	0
6	0	0	0.1	0.4	0.3	0.1	0.1	0.2		0	0	0
7	0	0	0.1	0.2	0.2	0.1	0.1	0.2		0	0	0
8	0	0	0.1	0.2	0.2	0.1	0.1	0.2		0	0	0
9	0	0	0.3	0.3	0.2	0.1	0.1	0.2		0	0	0
10	0	0	0.4	2.0	0.1	0.2	0.1	0.2		0	0	0
11	0	3.8	0.2	0.4	0.1	0.3	0.1	0.1		0	0	0
12	0	v 0.1	0.2	0.4	0.1	0.2	+	0.1		0	0	0
13	0	0.1	0.2	0.4	0.1	0.2		0.1		0	0	0
14	0	0.1	0.2	0.4	0.1	0.1		0.1		0	0	0
15	0	0.1	0.2	0.4	0.1	0.1		0.1		0	0	0
16	0	0.1	0.1	0.6	0.2	1.8		0.1		0	0	0
17	0	0.1	0.1	0.4	0.2	0.5		0.1		0	0	0
18	0	0.1	0.1	4.0	0.2	0.5		0.1		0	0	0
19	0	0.1	0.1	1.8	0.2	0.5		0.1		0	0	0
20	0	0.1	0.1	1.1	0.2	0.4		0.1		0	0	0
21	0	0.1	0.1	1.1	0.2	0.4		0.1		0	0	0
22	0	0.1	0.2	1.0	0.2	0.3		0.1		0	0	0
23	0	0.1	0.2	b 0.9	0.1	0.3		0.1		0	0	0
24	0	0.1	0.2	b 0.8	0.1	0.2		0.1		0	0	0
25	0	0.1	0.2	b 0.6	0.1	0.2		0.1		0	0	0
26	0	0.1	0.2	b 0.5	0.2	0.1		0.1		0	0	0
27	0	0.1	0.2	0.4	0.2	0.1		0.1		0	0	0
28	0	0.1	0.2	0.4	0.2	0.1		0.1		0	0	0
29	0	0.2	0.2	0.4		0.1				0	0	0
30	0	v 0.2	0.2	0.4		0.1	0.8			0	0	0
31	0		0.2	0.4		0.1				0	0	0
	0	5.9	6.4	21.3	5.9	9.0	1.9	4.2		0	0	0
MEAN	0	0.20	0.21	0.69	0.21	0.26	0.06	0.14	+	0	0	0
ACRE- FEET	0	12.	13.	42.	12.	16.	3.8	8.3	+	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN ACRES-  
FEET 0.15  
107.

STATION U 5-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.1N., R.11W., 0.1 MILE DOWN-  
STREAM FROM MONROVIA CREEK. ALTITUDE OF GAGE ABOUT 1100 FEET.

DRAINAGE AREA: 5.3 SQUARE MILES.

RECORDS AVAILABLE: NOVEMBER 1916 TO SEPTEMBER 1955.

AVERAGE DISCHARGE: 38 YEARS (1917-1955) 1.15 SECOND-FOOT; INCLUDING DIVERSION  
BY MONROVIA PIPE LINE, 36 YEARS, 2.54 SECOND-FOOT.

EXTREMES OF DISCHARGE:

1953-54  
MAXIMUM DISCHARGE NOT DETERMINED JANUARY 24.  
MINIMUM NO FLOW DURING SEVERAL MONTHS.

1954-55  
MAXIMUM DISCHARGE 32 SECOND-FOOT DECEMBER 1. GAGE HEIGHT 2.62 FEET.  
MINIMUM NO FLOW DURING MOST OF YEAR.

1916-55  
MAXIMUM DISCHARGE ABOUT 2000 SECOND-FOOT APRIL 7, 1926, ESTIMATED FROM  
FLOW OF ROGERS CREEK.  
MINIMUM 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, WATER  
RESOURCES BRANCH.

DISCHARGE MEASUREMENTS OF **SAMPIT CREEK**  
 below Monrovia Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1954

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE BED. FT.	RAT- ING	METH- OD	MEAN RECD. NO.	DI- RECT CHARGE TOTAL	METER NO.
873	1-7		U.S.G.S.				1.00	0.10		FLOUM			
874	1-13	1230 1230	STUNDEN	1.1	0.07	2.86	1.05	0.20		FLOAT	5	0	
875	1-19	0635 0645	WHISLER	6.0	2.26	11.0		24.8			.5	7	FC5
876	1-19		U.S.G.S.	3.1	1.03	2.62	1.45	2.70			.5	12	-.02
877	1-19		U.S.G.S.	16.0	8.60	11.5	2.35	98.9			.5	17	-.10
878	1-21	1209 1213	GODFREY	2.0	0.30	1.14	1.11	0.34			.5	5	0
879	1-24	1000 1006	STUNDEN	4.0	0.77	6.23	1.50	4.80			.6	6	0
880	1-24		U.S.G.S.	4.8	0.96	3.49	1.48	3.35			.5	12	0
881	1-25		U.S.G.S.	17.0	11.2	5.63	2.49	62.7			.6	18	-.15
882	1-25		U.S.G.S.	12.8	5.93	4.88	1.96	23.0			.5	23	-.08
883	1-26		U.S.G.S.	5.4	1.04	5.05	1.56	5.25			.5	12	0
884	1-27		U.S.G.S.	6.8	0.77	3.98	1.36	3.06			.5	15	+.01
885	1-28	1141 1146	STUNDEN	1.3	0.34	5.88	1.39	1.99			.6	4	0
886	1-29		U.S.G.S.	3.9	0.77	3.17	1.36	2.53			.5	10	-.03
887	2-3		U.S.G.S.	2.2	0.40	3.57	1.35	1.43			.5	13	0
888	2-5	1420 1425	STUNDEN	1.2	0.20	3.55	1.25	0.71			.5	4	0
889	2-8		U.S.G.S.	2.0	0.26	2.33	1.18	0.60			.5	11	0
890	2-11		U.S.G.S.	1.8	0.38	1.72	1.15	0.65			.5	11	0
891	2-14		U.S.G.S.	9.5	2.65	3.18	3.95	8.43			.5	15	0
892	2-15		U.S.G.S.	8.0	1.23	5.01	3.90	6.16			.5	12	0
893	2-16		U.S.G.S.	4.0	0.76	3.80	3.88	2.89			.5	9	0
894	2-18		U.S.G.S.	4.0	0.90	2.90	3.85	2.63			.5	16	0
895	2-23		U.S.G.S.	2.9	0.58	1.65	3.76	0.96			.5	12	0
896	2-25		U.S.G.S.	2.9	0.50	1.50	3.74	0.75			.5	12	0
897	3-1		U.S.G.S.	3.0	0.60	1.46	3.72	0.90			.5	16	0
898	3-3		U.S.G.S.	2.9	1.41	1.46	3.70	0.60			.5	13	0
899	3-9		U.S.G.S.	2.9	0.40	1.22	3.68	0.49			.5	13	0
900	3-11		U.S.G.S.	1.8	0.27	1.11	3.65	0.30			.5	11	0
901	3-16		U.S.G.S.	1.7	0.32	1.62	3.70	0.52			.5	11	0
902	3-16	2205 2208	STUNDEN	3.5	1.35	7.63	4.82	10.3			.6	6	0
903	3-18		U.S.G.S.	1.8	0.32	3.00	3.68	0.96			.5	8	+.01
904	3-20	0924 0931	STUNDEN	6.0	2.92	5.71	3.95	16.7			.6	8	0
905	3-20		U.S.G.S.	10.3	1.61	5.59	4.05	9.00			.6	22	-.21
906	3-21		U.S.G.S.	3.7	0.61	3.93	3.78	2.40			.5	11	0
907	3-23		U.S.G.S.	3.8	0.72	4.21	3.54	3.15			.5	14	-.06
908	3-24	1205 1215	STUNDEN	4.0	0.81	3.21	3.61	2.59			.5	6	0
909	3-25		U.S.G.S.	4.9	0.93	3.68	3.22	3.42			.5	14	0
910	3-30	1140 1150	WHISLER	4.7	1.15	4.35	3.23	5.00			.5	7	0
911	3-30		U.S.G.S.	6.6	1.41	3.44	3.22	4.85			.5	19	-.03
912	4-1		U.S.G.S.	6.2	1.06	3.60	3.17	3.82			.5	23	0
913	4-5		U.S.G.S.	4.0	1.29	1.91	3.10	2.47			.5	20	0
914	4-8		U.S.G.S.	3.9	0.96	1.46	3.12	1.40			.5	20	0
915	4-12		U.S.G.S.	2.2	0.76	1.37	3.17	1.04			.5	12	0
916	4-15		U.S.G.S.	3.2	0.58	1.50	3.10	0.87			.5	17	0
917	4-19		U.S.G.S.	1.9	0.55	1.25	3.08	0.69			.5	11	0
918	4-22		U.S.G.S.	2.0	0.41	1.22	3.07	0.50			.5	11	0

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE BED. FT.	RAT- ING	METH- OD	MEAN RECD. NO.	DI- RECT CHARGE TOTAL	METER NO.
919	4-26		U.S.G.S.	2.0	0.42	1.67	3.06	0.70			.5	11	0
920	4-29		U.S.G.S.	2.6	0.50	1.22	3.06	0.62			.5	15	0
921	5-5		U.S.G.S.	2.6	0.51	1.06	3.05	0.54			.5	15	0
922	5-10		U.S.G.S.	2.0	0.36	1.08	3.03	0.39			.5	11	0
923	5-13		U.S.G.S.	2.0	0.39	1.31	3.03	0.51			.5	11	0
924	5-20		U.S.G.S.	2.2	0.46	0.67	3.12	0.31			.5	15	0
925	5-24		U.S.G.S.	3.5	0.61	0.61	3.16	0.37			.5	8	0
926	5-27		U.S.G.S.	2.2	0.47	1.21	3.19	0.57			.5	14	0
927	6-1		U.S.G.S.	2.4	0.47	0.31	3.13	0.15			.5	13	0
928	6-3		U.S.G.S.	2.0	0.44	0.77	3.15	0.34			.5	12	0
929	6-7		U.S.G.S.	2.8	0.54	0.61	3.13	0.33			.5	15	+.01
930	6-10		U.S.G.S.				3.12	0.24		FLOUM			
931	6-14		U.S.G.S.	1.2	0.29	0.90	3.13	0.26			.5	7	0
932	6-17		U.S.G.S.				3.16	0.38		FLOUM			
933	6-21		U.S.G.S.	1.2	0.24	1.04	3.12	0.25			.5	7	0
934	6-24		U.S.G.S.				3.10	0.19		FLOUM			
935	6-28		U.S.G.S.	1.3	0.20	2.15	3.18	0.43			.5	7	0
936	7-1		U.S.G.S.				3.12	0.19		FLOUM			
937	7-8		U.S.G.S.				3.10	0.10		FLOUM			
938	7-12		U.S.G.S.	1.2	0.23	0.65	3.13	0.15			.5	7	0
939	7-15		U.S.G.S.				3.10	0.07		FLOUM			
940	7-19		U.S.G.S.	1.2	0.32	1.06	3.19	0.34			.5	7	0
941	7-22		U.S.G.S.				3.12	0.14		FLOUM			
942	7-29		U.S.G.S.				3.10	0.09		FLOUM			
943	8-5		U.S.G.S.				3.08	0.08		"			
944	8-5		U.S.G.S.				3.08	0.08		"			
945	8-5		U.S.G.S.				3.09	0.11		"			
946	8-5		U.S.G.S.				3.11	0.16		"			
947	8-5		U.S.G.S.				3.14	0.19		"			
948	8-5		U.S.G.S.				3.15	0.19		"			
949	8-13		U.S.G.S.				3.07	0.05		"			
950	8-19		U.S.G.S.				3.06	0.05		"			
951	8-26		U.S.G.S.				3.06	0.04		"			
952	8-31		U.S.G.S.				3.00	0.02		"			
953	9-9		U.S.G.S.				3.00	0.01		"			
954	9-16		U.S.G.S.				3.04	0.02		"			
955	9-23		U.S.G.S.				3.00	0.01		"			



FORM Cb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. U5-R

Daily discharge, in second-feet of SAMPIT CREEK below Monrovia Canyon, for the year ending September 30, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	1.5	1.0	3.3	0.6	0.3	0.1	0	0.1
2	0	0	0	0	1.5	0.8	3.6	0.5	0.3	0	0	0.2
3	0	0	0	0	1.5	0.6	3.3	0.5	0.3	0	0	0.1
4	0	0	0	0	1.0	0.6	2.2	0.5	0.3	0	0	0
5	0	0	0	0	0.7	0.5	2.6	0.5	0.4	0	0.1	0
6	0	0	0	0	0.7	0.5	2.3	0.5	0.4	0	0.1	0
7	0	0	0	0.1	0.6	0.5	2.0	0.5	0.3	0.1	0	0
8	0	0	0	0.1	0.6	0.4	1.4	0.4	0.4	0.1	0	0
9	0	0	0	0.1	0.6	0.5	1.3	0.4	0.3	0.1	0	0
10	0	0	0	0.1	0.6	0.5	1.3	0.4	0.3	0.1	0.1	0
11	0	0	0	0.1	0.6	0.4	1.2	0.5	0.3	0.1	0.1	0
12	0	0	0	0.3	0.6	0.4	1.1	0.5	0.2	0.1	0.1	0
13	0	0	0	0.2	6.0	0.4	1.1	0.5	0.4	0.1	0.1	0
14	0	0	0	0.1	12	0.4	1.1	0.5	0.3	0.1	0.1	0
15	0	0	0	0.2	6.0	0.5	1.0	0.5	0.3	0.1	0	0
16	0	0	0	0.2	3.0	4.1	0.9	0.4	0.3	0	0	0
17	0	0	0	0.1	2.9	1.1	0.8	0.3	0.3	0	0	0
18	0	0	0	0.2	2.7	0.9	0.7	0.3	0.3	0	0	0
19	0	0	0	5.5	2.6	0.9	0.7	0.3	0.2	0	0	0
20	0	0	0	2.0	2.1	5.4	0.6	0.3	0.2	0	0	0
21	0	0	0	0.3	1.7	2.3	0.5	0.3	0.2	0	0	0
22	0	0	0	0.3	1.4	1.8	0.5	0.3	0.2	0	0	0
23	0	0	0	0.4	1.1	1.2	0.5	0.3	0.2	0	0	0
24	0	0	0	7.0	1.0	2.8	0.6	0.4	0.2	0.1	0	0
25	0	0	0	7.5	0.9	3.2	0.7	0.4	0.2	0.1	0	0
26	0	0	0	6.0	1.0	4.0	0.7	0.4	0.2	0.1	0	0
27	0	0	0	3.0	1.0	4.0	0.8	0.5	0.2	0	0.1	0
28	0	0	0	3.0	1.0	4.0	0.8	0.3	0.2	0	0.1	0
29	0	0	0	2.0		5.9	0.7	0.3	0.1	0	0.1	0
30	0	0	0	2.0		2.1	0.6	0.3	0.1	0	0.1	0
31	0	0	0	2.0		3.6	0.3	0.3	0.1	0	0.1	0
	0	0	0	22.8	110.9	81.2	39.0	12.7	7.8	1.3	1.2	0.4

MEAN	0	0	0	7.19	3.96	2.62	1.30	0.41	0.26	0.04	0.04	0.01
ACRE- FEET	0	0	0	44.2	220.	161.	77.	25.	15.	2.6	2.4	0.8

Remarks: YEAR OR PERIOD MEAN ACRES-FEET 1.31 946.

FORM Cb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. U5-R

Daily discharge, in second-feet of SAMPIT CREEK below Monrovia Canyon, for the year ending September 30, 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0.1	0.5	2.9	1.0	0.7	0.2	3.0	0.1	0	0	0
2	0	0.1	0.5	2.0	0.9	0.7	0.2	1.0	0.1	0	0	0
3	0	0.1	2.3	0.4	0.9	0.6	0.2	0.5	0.1	0	0	0
4	0	0.1	1.0	0.4	0.9	0.5	0.2	0.5	0.1	0	0	0
5	0.1	0.1	0.5	0.3	0.8	0.5	0.2	0.6	0.1	0	0	0
6	0.1	0.1	0.5	0.4	0.7	0.4	0.2	0.6	0.1	0	0	0
7	0.1	0.1	0.5	0.6	0.6	0.4	0.2	1.5	0.1	0	0	0
8	0.1	0.1	0.5	0.7	0.5	0.4	0.2	1.3	0.1	0	0	0
9	0.1	0.1	0.7	0.7	0.4	0.3	0.2	1.2	0.1	0	0	0
10	0.1	0.1	2.1	5.5	0.3	0.6	0.2	1.0	0.1	0	0	0
11	0.1	5.0	0.5	1.8	0.3	1.1	0.2	0.8	0.1	0	0	0
12	0.1	0.5	0.5	0.7	0.3	0.4	0.2	0.6	0.1	0	0	0
13	0.1	0.4	0.6	0.7	0.3	0.4	0.2	0.4	0.1	0	0	0
14	0.1	0.4	0.7	0.6	0.3	0.4	0.1	0.3	0.1	0	0	0
15	0.1	0.4	0.7	0.9	0.3	0.4	0.1	0.2	0.1	0	0	0
16	0	0.3	0.7	1.3	0.5	5.0	0.1	0.2	0	0	0	0
17	0	0.3	0.7	1.0	0.5	2.0	0.1	0.2	0	0	0	0
18	0	0.3	0.6	9.6	0.4	1.4	0.1	0.2	0	0	0	0
19	0	0.3	0.6	5.0	0.4	1.2	0.1	0.2	0	0	0	0
20	0	0.3	0.5	2.5	0.4	1.0	0.1	0.2	0	0	0	0
21	0	0.3	0.5	2.0	0.4	0.9	0.1	0.2	0	0	0	0
22	0	0.2	0.5	1.5	0.4	0.8	0.4	0.2	0	0	0	0
23	0.1	0.1	0.5	1.4	0.4	0.7	0.2	0.2	0	0	0	0
24	0.1	0.3	0.5	1.4	0.3	0.6	0.2	0.2	0	0	0	0
25	0.1	0.4	0.5	1.3	0.3	0.5	0.2	0.2	0	0	0	0
26	0.1	0.5	0.5	1.2	0.4	0.4	0.2	0.2	0	0	0	0
27	0.1	0.5	0.4	1.1	0.3	0.3	0.2	0.2	0	0	0	0
28	0.1	0.5	0.4	1.0	0.8	0.1	0.2	0.2	0	0	0	0
29	0.1	0.5	0.5	1.0		0.3	0.2	0.2	0	0	0	0
30	0.1	0.5	0.6	1.0		0.3	3.4	0.1	0	0	0	0
31	0.1	0.7	0.7	1.0		0.3		0.1	0	0	0	0
	2.0	13.0	20.9	52.1	14.6	23.6	8.6	17.3	1.5	0	0	0

MEAN	0.06	0.43	0.67	1.68	0.52	0.76	0.29	0.56	0.05	0	0	0
ACRE- FEET	4.0	26.	41.	103.	29.	47.	17.	34.	3.0	0	0	0

Remarks: YEAR OR PERIOD MEAN ACRES-FEET 0.42 304.

STATION F301-R  
SAWTELLE-WESTWOOD CHANNEL at Culver Boulevard

LOCATION: WATER-STAGE RECORDER, LAT. 33°59'56", LONG. 118°24'55", ON THE RIGHT (SOUTH) CHANNEL WALL, 141 FEET ABOVE CULVER BOULEVARD BRIDGE, ELEVATION OF ZERO GAGE HEIGHT 21.57 FEET ABOVE MEAN SEA LEVEL., U.S.G.S. DATUM.

DRAINAGE AREA: 22.96 SQUARE MILES.

CHANNEL AND CONTROL: RECTANGULAR CONCRETE CHANNEL 40 FEET WIDE AND 13 FEET DEEP. CHANNEL FORMS CONTROL.

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

RECORDER: INSTALLED JANUARY 22, 1951 OVER A 48-INCH DIAMETER CONCRETE PIPE STILLING WELL. A STEVENS TYPE A35-B RECORDER IN SERVICE FROM OCTOBER 1, 1953 TO SEPTEMBER 30, 1955.

REGULATION AND/OR DIVERSIONS: STONE CANYON RESERVOIR, SOUTHERN CALIFORNIA WATER COMPANY SPILLS FLOW UP TO 5.0 SECOND-FOOT INTO SAWTELLE-WESTWOOD CHANNEL ABOVE CHARNOCK ROAD FOR SHORT PERIODS NEARLY EVERY DAY.

RECORDS AVAILABLE: JANUARY 22, 1951 TO SEPTEMBER 30, 1955. SEPULVEDA CREEK AT CHARNOCK ROAD RECORDER RECORDS AVAILABLE SEPTEMBER 15, 1932 TO MARCH 3, 1937; AUGUST 11, 1937 TO MARCH 2, 1938, AND JULY 7, 1938 TO MAY 29, 1950. AT PRESENT LOCATION FROM JANUARY 22, 1951 TO SEPTEMBER 30, 1955.

EXTREMES OF DISCHARGE:

1953-54  
MAXIMUM 4150 SECOND-FOOT FEBRUARY 13.  
MINIMUM 0.3 SECOND-FOOT VARIOUS TIMES DURING YEAR.  
1954-55  
MAXIMUM 2140 SECOND-FOOT JANUARY 10.  
MINIMUM 0.3 SECOND-FOOT VARIOUS TIMES DURING YEAR.  
1951-55  
MAXIMUM 4240 SECOND-FOOT JANUARY 16, 1952

ACCURACY: GOOD FOR HIGH FLOWS. POOR FOR EXTREME LOW FLOWS.

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

DISCHARGE MEASUREMENTS OF SAWTELLE - WESTWOOD CHANNEL

AT Culver Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 1954

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. CO.	MEAN REC. NO.	D. NT. CHANGE TOTAL	METER NO.
106	10-1	1018 1025	BOLLINGER	3.0	0.45	1.16		0.52		FLOATS	7		
107	10-8	0925 0932	"	3.6	0.66	1.52		1.0		"	6		
108	10-15	1020 1030	MOON	3.8	0.56	1.27		0.71			9	FC48	
109	10-22	1010 1020	"	3.5	0.48	0.92		0.44			8		
110	10-29	1005 1015	"	6.0	1.50	0.93	0.10	1.4			9	0	"
111	11-5	1022 1032	"	6.0	1.59	1.01	0.12	1.6			8	0	"
112	11-12	1115 1125	"	6.0	1.37	0.65	0.13	0.89			8	0	"
113	11-14	1342 1344	"	39.7	83.4	14.0	2.10	1170.		FLOATS	5	0	"
114	11-19	1040 1050	"	5.0	0.57	0.68	0.11	0.39			7	0	FC48
115	11-25	0925 0940	"	CHANNELS			0.11	1.2			13	0	"
116	12-3	1040 1050	"	5.2	0.53	0.72		0.38			8		"
117	12-10	1045 1055	"	11.2	0.70	0.64		0.45			8		"
118	12-17	1030 1038	"	3.0	0.30	1.30		0.39			7	FC29	
119	12-23	0955 1002	"	9.0	1.03	0.72		0.74			7	FC48H	
120	12-31	0933 0943	"	12.0	1.41	0.71		1.0			9		"
121	1-19	1531 1536	"	39.7	81.0	13.6	2.04	938.		FLOATS	5	0	
122	1-20	1130 1140	"	17.0	7.3	1.12	0.13	8.2			7	0	FC48
123	1-28	1000 1007	"	4.0	0.83	0.74		0.61			5		"
124	2-5	0910 0920	"	10.0	0.96	0.54		0.52			8		"
125	2-11	0920 0952	MOON-SPELLMAN	4.5	0.47	0.66		0.31			6		"
126	2-13	1305 1310	"	37.7	159.	18.6	3.70	2950.		FLOATS	5	+04	
127	2-13	1322 1325	"	39.7	169.	21.3	4.27	3600			5	0	
128	2-18	1035 1045	MOON	4.5	0.58	0.74		0.43			7	FC48	
129	2-25	1027 1043	"	23.5	12.6	3.48	0.30	43.8			14	0	FC29
130	3-3	0715 0732	"	24.0	13.3	3.46	0.33	46.0			14	0	"
131	3-11	0834 0850	"	24.0	12.2	3.58	0.32	43.7			14	0	"
132	3-18	1005 1012	"	4.0	0.47	0.72	0.10	0.34			6	0	FC48

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. ING	METH. CO.	MEAN REC. NO.	D. NT. CHANGE TOTAL	METER NO.
133	3-25	0800 0810	"	12.0	4.48	2.03	0.13	9.1			8	0	FC29
134	4-1	0935 0950	"	15.0	5.71	2.30	0.16	13.1			13	0	"
135	4-8	0925 0935	"	6.0	0.74	0.49	0.10	0.36			7	0	FC48
136	4-15	0945 1000	"	16.0	5.93	2.02	0.18	12.0			14	0	FC29
137	4-21	0920 0935	"	18.0	6.75	1.88	0.17	12.7			15	0	"
138	4-28	1300 1312	"	15.0	5.92	1.33	0.13	7.9			10	0	"
139	5-6	1005 1013	HYDE	10.0	1.18	0.19	0.09	0.23			5	0	FC35
140	5-12	1432 1432	MOON	6.5	1.03	1.36	0.12	1.4			5	9	FC48
141	5-20	1020 1030	HYDE	7.5	0.99	1.00		0.99		FLOATS	6		
142	5-27	0943 0948	"	20.0	3.13	0.86	0.09	2.7			7	0	
143	6-3	0958 1008	MOON-LINDSAY	8.0	1.19	0.75	0.10	0.89			10	0	FC48
144	6-10	0950 1000	MOON	8.0	1.05	0.69	0.09	0.72			9	0	"
145	6-16	0945	"	8.0	1.11	0.86		1.0			9	0	"
146	6-23	0942 1004	"	16.0	3.60	0.89		3.2			10	0	"
147	6-30	0940 0950	"	7.0	1.28	0.86	0.08	1.1			5	8	0
148	7-7	1009 1015	"	7.0	1.34	1.12	0.10	1.5			5	8	0
149	7-15	0955 1005	"	12.0	2.60	1.00	0.09	2.6			5	8	0
150	7-22	0925 0935	"	10.0	1.49	0.74	0.08	1.1			5	7	0
151	7-29	1055 1105	"	10.0	1.64	0.73	0.08	1.2			5	7	0
152	8-5	0932 0940	"	9.0	1.37	0.65		0.89			5	7	"
153	8-12	1010 1020	"	7.0	0.99	0.84	0.08	0.83			5	6	0
154	8-19	1040 1050	HYDE	8.0	0.98	0.53		0.52			7		FC48
155	8-26	0945 0950	MOON	9.0	1.66	0.78		1.3			5	7	0
156	9-2	1510 1520	"	9.0	1.82	1.04	0.10	1.9			5	7	0
157	9-8	1035 1045	"	8.5	1.47	0.75	0.08	1.1			5	10	0
158	9-16	1100 1112	"	8.5	1.92	1.04	0.08	2.0			5	10	0
159	9-23	1030 1040	"	7.8	1.84	0.87	0.09	1.6			5	10	0
160	9-30	1045 1046	"	9.5	2.89	0.62	0.10	1.8			5	11	0

DISCHARGE MEASUREMENTS OF SAWTELLE - WESTWOOD CHANNEL  
 AT Culver Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 1955

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. ING	METH. CD	MEAS. REC. NO.	Q. INT. CHANGE TOTAL	METER NO.
161	10-7	1010 1020	MOON	11.2	4.00	0.65	0.10	2.6		.5	8		FC48
162	10-14	0950 1000	"	11.0	3.46	0.81	0.11	2.8		.5	9		"
163	10-21	0933 0945	"	10.5	3.41	0.88	0.08	3.0		.5	8		"
164	10-28	1050 1100	"	8.0	2.41	0.62	0.08	1.5		.5	9		"
165	11-4	0940 0950	"	9.0	1.92	0.68		1.3		.5	10		"
166	11-10	1030 1040	"	11.0	2.46	0.53	0.09	1.3		.5	7	0	"
167	11-18	1030 1040	"	12.0	1.33	0.59	0.08	0.78		.5	8	0	"
168	11-24	0930 0940	"	14.0	1.64	0.58		0.95		.5	9	0	"
169	12-2	1000 1010	"	10.0	1.02	0.58		0.59		.5	7	0	"
170	12-9	0930 0940	"	13.0	1.02	0.47		0.48		.5	9		"
171	12-16	1050 1058	"	11.2	1.95	1.02		2.0		.5	9	0	"
172	12-23	1010 1018	"	9.2	0.80	0.54		0.43		.5	7	0	"
173	12-30	0950 1000	"	11.2	1.17	0.55		0.64		.5	8		"
174	1-6	1340 1349	MOON-THOMAS	26.0	12.7	2.31	0.28	29.3		.5	11	0	FC29
175	1-13	1145 1155	MOON	2.6	0.29	1.10		0.32		.5	9		FC48
176	1-20	0918 0928	"	13.0	2.32	1.55		3.6		.5	8	0	FC48
177	1-27	1035 1045	"	7.0	0.74	0.61		0.45		.5	8	0	"
178	2-3	0918 0925	"	5.0	0.80	0.91		0.73		.5	6		"
179	2-10	0850 0857	"	5.0	1.10	0.77		0.85		.5	6		"
180	2-17	0905 0913	"	12.0	1.98	1.31		2.6		.5	8		FC29
181	2-24	1048 1058	"	7.0	0.60	0.55		0.33		.5	9		FC48
182	2-28	1045 1053	"	8.0	0.68	0.72		0.49		.5	7		"
183	3-3	0910 0920	"	7.0	0.80	0.76		0.61		.5	9	0	"
184	3-10	0930 0940	"	5.5	0.66	0.73		0.48		.5	7	0	"
185	3-17	1025 1033	"	6.0	0.80	0.60		0.48		.5	7	0	"
186	3-24	0955 1004	"	5.0	0.65	0.46		0.30		.5	6	0	"
187	4-7	0925 0932	"	10.0	0.89	0.78		0.69		.5	7	0	FC23
188	4-14	0850 0900	"	8.0	0.83	0.52		0.43		.5	10	0	"
189	4-21	0902 0912	"	7.0	1.10	0.46		0.51		.5	8		FC48
190	4-28	0945 0955	"	3.2	0.32	0.75		0.24		.5	8		"
191	4-30	2032 2048	HYDE-OCAMPO	40.0	8.62	1.57		13.5		.5	13		FC35
192	5-5	0950 0958	GODFREY	6.5	0.84	0.52		0.44		.5	8		FC48
193	5-12	1000 1010	MOON	8.0	0.84	0.60		0.50		.5	8		"
194	5-26	1030 1040	WHISLER-MOON	2.5	0.34	0.79		0.27		.5	7		"
195	6-2	0944 0954	MOON	10.0	2.09	0.96		2.0		.5	10		"
196	6-9	1000 1006	"	4.0	0.59	0.86		0.51		.5	6		"
197	6-16	0923 0933	MOON-LINDSAY	4.5	0.57	0.74		0.42		.5	10		"
198	6-23	0948 0958	MOON	5.0	0.50	0.64		0.32		.5	7		"
199	6-30	0810 0820	"	10.0	2.07	0.97		2.0		.5	11		"
200	7-7	0940 0948	HYDE	5.5	0.70	0.84		0.59		.5	6		"
201	7-14	1010 1018	"	5.5	0.50	0.64		0.32		.5	8		"
202	7-21	0855 0901	"	6.0	0.75	0.92		0.69		.5	6		"
203	7-28	0850 0900	MOON	9.0	1.45	0.90		1.3		.5	10		"
204	8-4	0832 0842	"	6.5	1.15	1.04		1.2		.5	9		"
205	8-11	0946 0950	HYDE	6.5	0.56	0.62		0.35		.5	5		"
206	8-18	1015 1022	"	6.5	0.49	0.55		0.27		.5	8		"
207	8-25	1015 1023	"	6.5	0.53	0.64		0.34		.5	6		"
208	9-1	1040 1048	DE MARS-HYDE	5.8	0.70	0.79		0.55		.5	7		"
209	9-8	1010 1010	DE MARS	5.0	0.51	0.73		0.37		.5	7		"
210	9-15	1000 1010	DE MARS-HOLLERON	6.20	0.60	0.62		0.37		.5	9		"
211	9-22	1055 1100	DE MARS	3.5	0.33	0.79		0.26		.5	6		FC48
212	9-29	1030 1040	"	3.6	0.51	0.96		0.49		.5	9		"

18074M Gb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F301-R

Daily discharge, in second-feet of SAWTELLE - WESTWOOD - CHANNEL for the year ending September 30, 19 54

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	b 0.5	b 1.5	b 0.6	b 1.0	b 0.6	b 4.6	b 13.1	b 8.2	b 0.9	b 1.1	b 1.8	b 1.8
2	0.5	1.5	0.5	0.9	0.5	4.6	13.1	0.2	0.9	1.1	1.8	1.9
3	0.6	1.5	0.4	0.8	0.5	4.6	12.0	6.2	0.9	1.2	5.0	b 1.8
4	0.7	1.6	0.4	0.7	0.5	3.4	8.6	9.2	0.9	1.3	5.1	1.6
5	0.8	1.6	0.4	0.8	0.5	0.4	0.4	5.6	0.9	1.4	6.4	1.5
6	0.9	1.5	0.4	1.2	0.5	0.4	0.4	7.7	0.8	1.5	8.9	1.4
7	1.0	1.4	0.4	1.0	0.4	0.4	0.4	6.4	0.7	1.5	7.8	b 1.2
8	1.0	1.4	0.4	0.4	0.4	15.4	0.4	1.4	0.7	1.5	5.8	b 1.1
9	1.0	1.3	0.4	0.4	0.4	4.6	0.4	1.4	0.7	1.5	7.6	b 1.2
10	0.9	1.1	0.4	0.4	0.3	4.4	0.4	1.4	0.7	1.4	7.0	b 1.3
11	0.9	1.0	0.4	0.4	0.3	4.4	0.4	1.4	0.7	1.4	4.8	1.4
12	0.8	0.9	0.4	0.4	0.3	16.3	0.4	4.7	0.8	1.4	6.5	1.5
13	0.8	0.8	0.4	0.4	7.7	0.4	0.4	1.4	0.8	1.3	0.8	1.7
14	0.7	1.1	0.4	0.4	19.6	0.4	4.9	1.3	0.9	1.3	0.7	1.8
15	0.7	0.5	0.4	0.4	0.5	2.2	1.2	1.3	1.0	4.9	0.7	b 1.9
16	0.7	0.4	0.4	0.4	0.5	8.2	1.2	1.2	1.0	8.8	0.6	2.0
17	0.6	0.4	0.4	0.4	1.9	10.8	1.2	1.2	1.0	5.7	0.6	b 1.9
18	0.6	0.4	0.5	3.5	3.1	10.3	1.2	1.1	1.0	1.2	a 0.5	b 1.9
19	0.5	0.4	0.5	2.7	4.0	6.5	1.2	1.1	1.0	4.0	a 0.5	1.8
20	0.5	0.5	0.5	1.4	4.0	1.8	1.2	1.0	1.0	1.1	a 0.6	1.8
21	0.4	0.7	0.6	0.5	4.4	13.4	1.2	1.0	1.0	1.1	1.7	1.7
22	0.4	0.8	0.7	0.5	4.4	12.3	1.1	1.0	1.0	1.1	0.8	b 1.7
23	0.5	0.9	0.7	0.5	3.7	18.6	1.4	1.0	1.0	1.1	0.9	1.6
24	0.7	1.0	0.7	a 1.5	4.4	18.3	1.3	1.0	1.1	b 1.1	a 1.0	b 1.6
25	0.8	1.2	0.8	a 2.2	4.4	11.8	9.4	1.0	1.1	b 1.1	b 1.2	1.7
26	1.0	1.1	0.8	0.6	b 4.4	19.6	3.4	1.0	1.1	4.2	1.3	1.7
27	1.1	1.0	0.8	0.6	4.6	13.0	10.0	1.1	1.1	b 1.2	b 1.3	1.7
28	1.3	0.9	0.9	0.6	b 5.1	6.0	17.2	0.9	1.1	3.6	1.4	1.7
29	1.4	0.8	0.9	0.6		9.5	6.0	0.9	1.1	6.0	1.5	1.8
30	1.4	0.7	1.0	0.6		7.5	9.0	0.9	1.1	8.2	1.6	1.8
31	1.4	1.0	1.0	0.6		1.2	0.9	0.9	1.1	5.4	1.7	1.8
	25.2	14.6	17.6	63.8	123.4	88.6	325.9	75.1	28.1	78.7	92.3	49.5
MEAN	0.81	4.89	0.57	20.6	44.1	28.6	7.86	2.42	0.94	2.54	2.97	1.65
ACRE- FEET	50.	291.	35.	1270.	2450.	1760.	468.	149.	56.	156.	183.	98.
Remarks:										YEAR OR PERIOD	MEAN ACRE-FEET	9.61 6960.

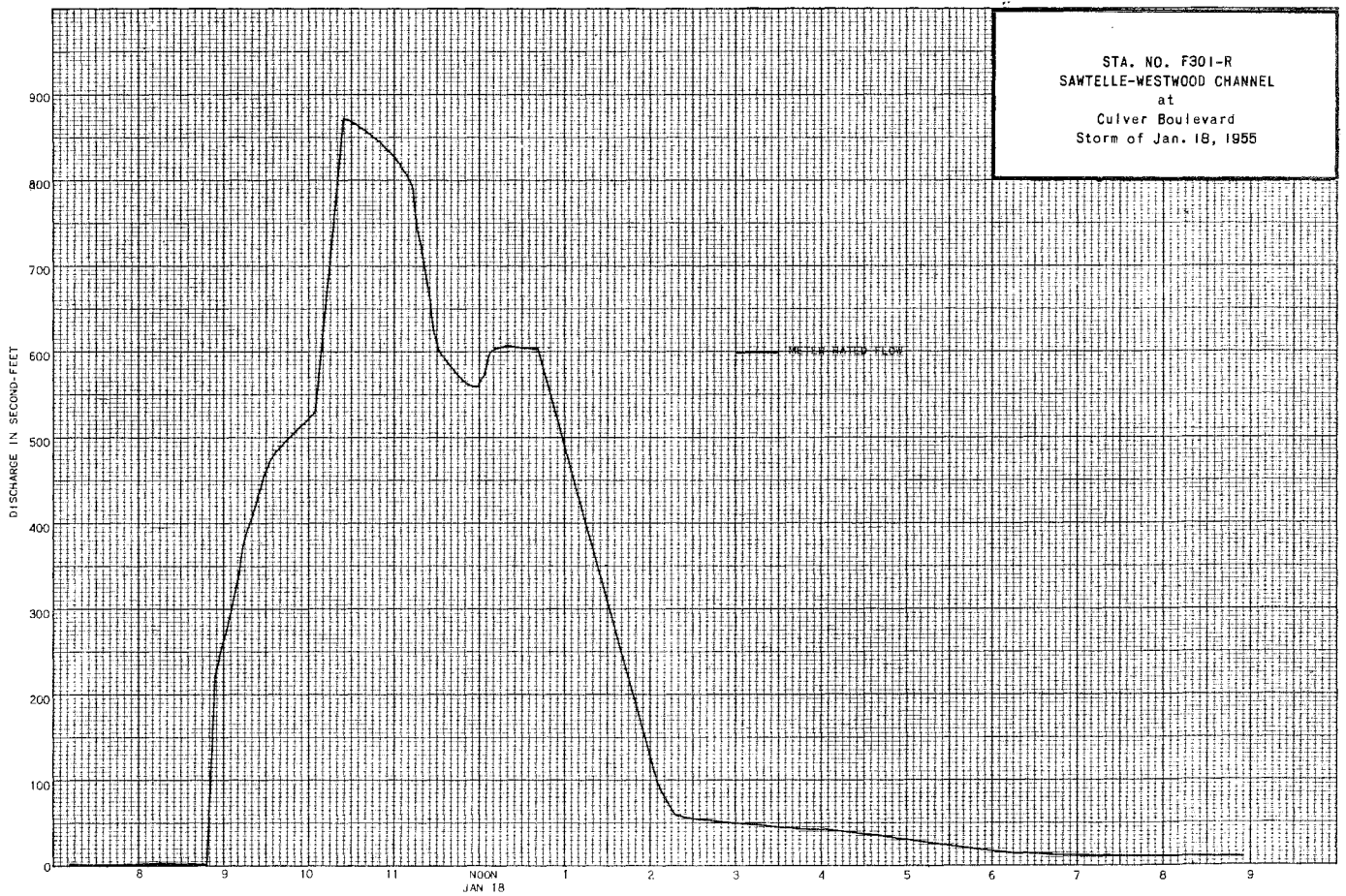
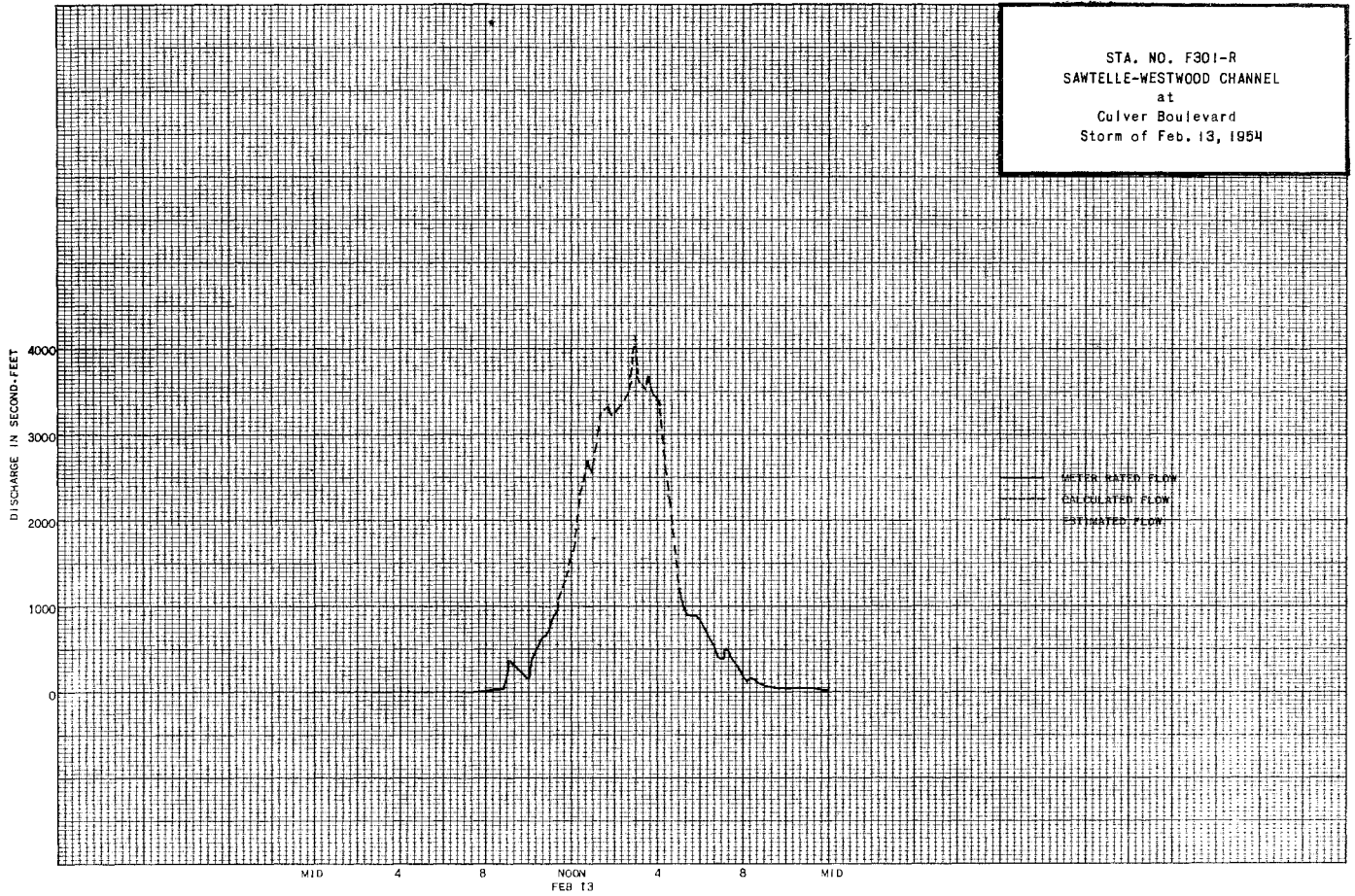
18074M Gb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F301-R

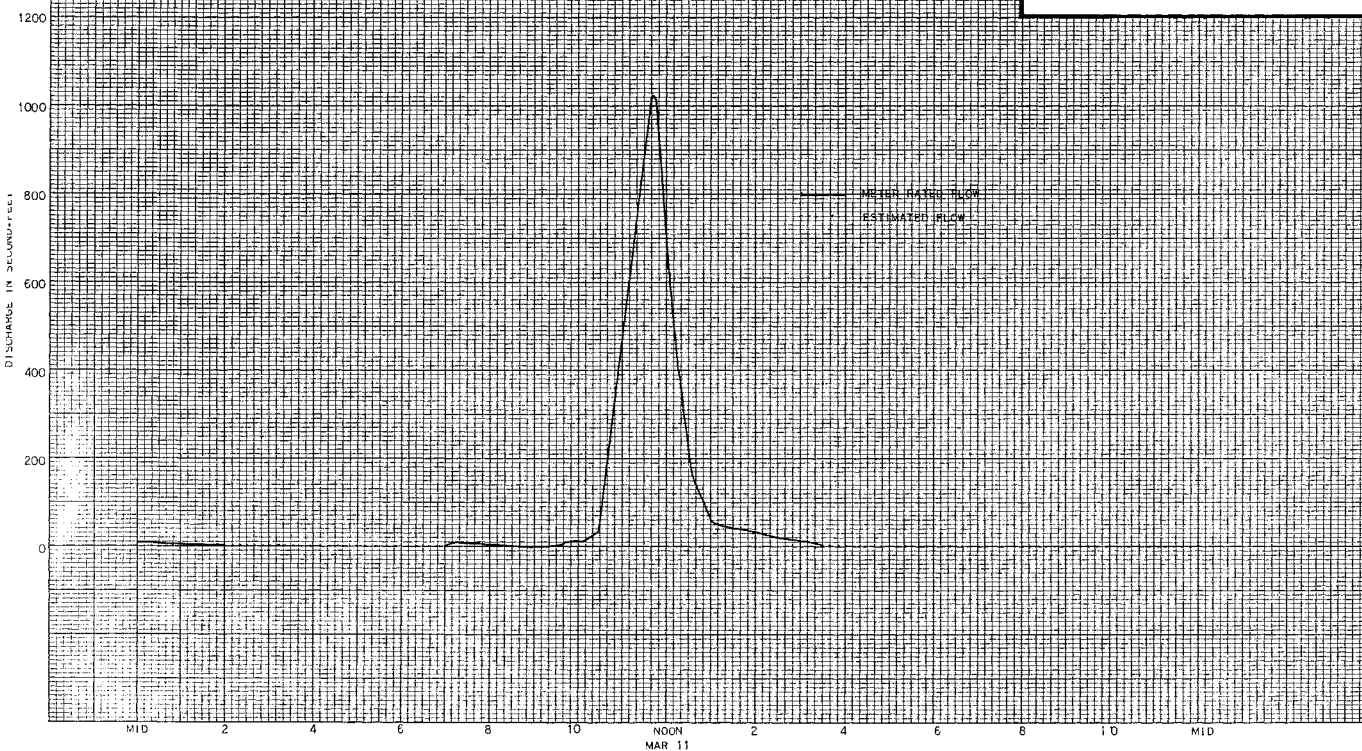
Daily discharge, in second-feet of SAWTELLE - WESTWOOD CHANNEL at Culver Boulevard for the year ending September 30, 19 55

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	b 1.9	b 1.4	b 0.6	b 1.3	b 1.0	b 0.5	b 0.3	b 1.5	b 2.0	b 0.5	b 1.2	b 0.6
2	2.0	1.4	b 0.6	b 1.0	0.9	0.6	0.3	0.4	2.0	0.5	1.2	0.6
3	2.2	1.3	4.4	1.0	0.7	0.6	0.4	0.4	2.0	0.6	1.2	0.6
4	2.3	1.3	b 0.6	1.0	1.5	0.6	0.5	0.4	2.0	0.6	1.2	0.5
5	2.4	1.3	0.6	b 1.0	1.3	0.6	0.6	0.4	2.0	0.6	1.1	0.5
6	2.5	1.3	0.5	1.1	1.0	0.6	0.7	0.4	0.5	0.6	1.0	0.4
7	2.6	1.3	0.5	b 0.8	0.9	0.5	0.7	b 0.5	0.5	0.6	0.8	0.4
8	2.6	1.3	b 0.5	b 0.6	0.9	0.5	0.7	0.5	0.5	0.6	0.7	0.4
9	2.6	b 1.3	9.0	b 0.5	0.8	b 0.5	0.6	0.5	0.5	0.6	0.5	0.4
10	2.7	2.3	4.5	1.9	0.8	1.6	0.5	0.5	0.5	0.6	0.5	0.4
11	2.7	1.2	b 2.0	b 2.0	0.8	b 5.3	0.4	0.5	0.5	0.4	0.4	0.4
12	2.8	3.4	2.0	0.3	0.7	0.5	0.4	0.5	0.4	0.3	0.4	0.4
13	2.8	b 1.2	2.0	0.3	0.7	0.5	0.4	0.5	0.4	0.3	0.4	0.4
14	2.8	b 1.2	2.0	0.3	0.8	0.5	0.4	0.5	0.4	0.3	0.4	0.4
15	2.8	4.0	2.0	b 0.3	1.0	0.5	0.4	0.4	0.4	0.3	0.3	0.4
16	2.8	b 1.0	2.0	b 6.9	1.3	0.5	0.4	0.4	0.4	0.4	0.3	0.4
17	2.9	0.8	1.8	b 0.3	2.4	0.5	0.4	0.4	0.4	0.4	0.3	0.4
18	2.9	0.8	1.5	1.2	1.0	0.5	0.5	0.3	0.4	0.5	0.3	0.4
19	2.9	0.8	1.3	6.6	0.9	0.5	0.5	0.3	0.4	0.6	0.3	0.3
20	3.0	0.9	1.0	b 2.0	0.8	0.5	b 0.5	0.3	0.3	0.7	0.3	0.3
21	3.0	0.9	0.8	1.0	0.8	0.4	6.0	0.3	0.3	0.7	0.3	0.3
22	2.8	0.9	0.6	0.9	0.6	0.4	7.4	0.3	0.3	0.8	0.3	0.3
23	2.6	1.0	0.4	0.8	0.5	0.4	b 0.5	0.3	0.3	0.9	0.3	0.3
24	2.4	1.0	0.4	0.7	0.3	0.4	b 0.5	0.3	0.3	1.0	0.3	0.3
25	2.2	0.9	0.4	0.6	0.3	0.4	b 0.5	0.3	0.3	1.1	0.3	0.4
26	1.9	0.9	0.5	0.5	4.0	0.4	19.9	0.3	0.3	1.2	0.5	0.4
27	1.7	0.8	0.5	0.5	1.6	0.4	b 0.2	0.3	0.4	1.3	0.4	0.4
28	1.5	0.8	0.5	0.5	0.5	0.3	0.2	0.3	0.4	1.3	0.4	0.5
29	1.5	0.7	0.6	0.5	0.5	0.3	b 0.2	0.3	0.4	1.3	0.5	0.5
30	1.5	b 0.7	0.6	3.9		0.3	9.8	0.3	b 0.5	1.3	0.5	0.5
31	1.4	b 0.6	b 0.6	19.0		b 0.3		b 1.4		b 1.3	0.6	
	74.7	183.6	165.9	593.0	76.5	83.1	263.6	65.5	20.1	22.4	17.1	12.5
MEAN	2.41	6.12	5.35	19.1	2.73	2.68	8.79	2.11	0.67	0.72	0.55	0.42
ACRE- FEET	148.	364.	329.	1180.	152.	165.	523.	130.	40.	44.	34.	25.
Remarks:										YEAR OR PERIOD	MEAN ACRE-FEET	4.32 3130.





STA. NO. F301-R  
SAWTELLE-WESTWOOD CHANNEL  
at  
Culver Boulevard  
Storm of Mar. 11, 1955



STATION F67B-R  
SIERRA MADRE WASH below Sierra Madre Dam

LOCATION: WATER-STAGE RECORDER, LAT.  $34^{\circ}10'33''$ , LONG.  $118^{\circ}02'33''$ , ON THE LEFT (EAST) BANK ABOUT 270 FEET BELOW SIERRA MADRE DAM AND ABOUT 1-1/4 MILES NORTHEAST OF SIERRA MADRE, ELEVATION OF ZERO GAGE HEIGHT 1082.69 FEET.

DRAINAGE AREA: 2.4 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - RUBBLE MASONRY, DEPTH 7.5 FEET, WIDTH 24.6 FEET AT TOP AND 22.5 FEET AT BOTTOM, ARTIFICIAL CONCRETE CONTROL WITH LOW FLOW CHANNEL.

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

RECORDER: INSTALLED JANUARY 28, 1929 AT STATION F67-R ABOUT 1000 FEET DOWN-STREAM FROM PRESENT LOCATION, REMOVED MAY 20, 1936. REINSTALLED MAY 21, 1936 IN A 4 FT. X 3 FT. COMBINATION CONCRETE STILLING WELL AND HOUSE, AN H.C.F. RECORDER WAS IN SERVICE FROM OCTOBER 1, 1953 TO SEPTEMBER 30, 1955.

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, 1955.

EXTREMES OF DISCHARGE:  
1953-54  
MAXIMUM 99 SECOND-FOOT, JANUARY 19.  
MINIMUM NO FLOW JUNE 26, TO 30.  
1954-55  
MAXIMUM 23 SECOND-FOOT NOVEMBER 11.  
MINIMUM NO FLOW PART OF YEAR.  
1929-55  
MAXIMUM 620 SECOND-FOOT 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  
below Sierra Madre Dam DURING THE YEAR ENDING SEPTEMBER 30, 1954

DISCHARGE MEASUREMENTS OF SIERRA MADRE WASH  
below Sierra Madre Dam DURING THE YEAR ENDING SEPTEMBER 30, 1955

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAT. IND.	METH. USED	MEAS. REC. NO.	D. CHARGE TOTAL	METER NO.
248	12-3	1400 1405	STUNDEN	1.0	0.08	6.00	0.70	0.48	FLOATS	4	0		
249	1-19	1350 1355	STUNDEN-MURPHY	1.3	0.42	6.19		2.6	"	5	0		
250	1-20	1400 1405	STUNDEN	1.0	0.06	6.00	0.65	0.36	"	4	0		
251	1-24	1829 1829	STUNDEN-MURPHY	2.0	1.14	6.66	1.32	7.6	"	5	0		
252	1-27	1010 1020	STUNDEN	1.3	0.15	8.67	0.82	1.3	"	5	0		
253	2-11	1240 1245	"	1.1	0.10	6.80	0.74	0.68	"	5	0		
254	2-14	1310 1315	"	1.1	0.42	9.76	0.95	4.1	"	6	0		
255	2-18	1055 1105	"	1.2	0.22	9.10	0.85	2.0	"	5	0		
256	2-25	1800 1802	STUNDEN-GODFREY	1.1	0.16	7.50	0.77	1.2	"	5	0		
257	3-4	1106 1118	STUNDEN	1.1	0.16	7.50	0.76	1.2	"	5	0.02		
258	3-11	1100 1105	"	1.1	0.11	6.60	0.72	0.72	"	5	0		
259	3-16	1930 1940	STUNDEN-MURPHY	2.0	1.50	13.3	1.50	20.0	"	5	0		
260	3-17	1155 1200	STUNDEN	1.1	0.11	7.64	0.74	0.84	"	5	0		
261	3-20	0848 0851	STUNDEN-MURPHY	1.1	0.21	9.05	0.81	1.9	"	5	0		
262	3-21	0905 0910	STUNDEN	1.1	0.22	9.09	0.82	2.0	"	5	0		
263	3-24	1030 1035	"	1.1	0.23	9.13	0.82	2.1	"	5	0		
264	3-30	0238 0248	STUNDEN-MURPHY	1.9	1.64	7.62	1.42	12.5	"	5	0		
265	4-2	1350 1400	STUNDEN	1.1	0.28	7.14	0.82	2.0	"	5	0		
266	4-16	1145 1155	"	1.1	0.11	5.18	0.70	0.57	"	6	0		
267	4-21	1500 1503	WHISLER	1.0	0.04	6.25	0.64	0.25	"	1	0		
268	4-29	0915 0918	"	1.8	0.07	6.28	0.66	0.44	"	4	0		
269	7-23	0750 0755	STUNDEN	1.0	0.06	5.33	0.66	0.32	"	5	0		
270	9-2	1400	"					0.96	VOL				
271	9-8	1420 1430	"	1.0	0.07	4.57	0.66	0.32	FLOATS	5	0		
272	9-16	1130 1131	STUNDEN					0.09	VOL				
273	9-23	1600	"					0.01	VOL				

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAT. IND.	METH. USED	MEAS. REC. NO.	D. CHARGE TOTAL	METER NO.
274	11-11	0300 0310	STUNDEN	1.1	0.26	6.49	0.81	1.7	FLOATS	4			
275	11-11	0540 0544	"	2.5	1.62	17.7	1.57	28.7	"	6			
276	11-12	0020 0050	"	1.0	0.10	4.80	0.70	0.48	"	4			
277	11-18	1510 1515	"	1.0	0.04	5.00	0.64	0.20	"	4			
278	12-3	2120 2125	STUNDEN-MURPHY	1.1	0.42	8.81	0.93	3.7	"	5			
279	1-2	1010 1015	STUNDEN	1.1	0.08	5.00	0.68	0.40	"	5			
280	1-6	1325 1330	"	1.1	0.12	5.83	0.72	0.70	"	4			
281	1-10	0540 0545	"	1.4	0.36	8.34	0.99	3.0	"	4			
282	1-13	1335 1340	"	1.1	0.10	5.30	0.70	0.53	"	5			
283	1-18	1035 1039	STUNDEN-MCMURRAY	1.3	0.35	9.44	0.91	3.3	"	5			
284	1-18	1310 1315	"	2.0	1.20	11.2	1.28	13.4	"	5		FC36	
285	1-18	1540 1543	STUNDEN	1.3	0.54	7.40	0.95	4.0	FLOATS	5			
286	1-20	1140 1145	"	1.1	0.16	6.87	0.75	1.1	"	5			
287	1-27	1005 1010	"	1.1	0.05	5.40	0.65	0.27	"	5			
288	2-24	1410 1415	"	1.0	0.02	5.00	0.62	0.10	"	4			
289	2-27	1010 1015	STUNDEN-DEL CORSO	1.2	0.14	5.57	0.72	0.78	"	5			
290	2-27	1330 1335	"	1.10	0.15	5.53	0.73	0.83	"	5			
291	3-16	0740 0746	STUNDEN	1.3	0.34	7.06	0.89	2.4	"	5			
292	3-17	1620 1630	"	1.1	0.07	5.28	0.66	0.37	"	5			
293	5-1	1005 1010	"	1.3	0.26	7.30	0.82	1.9	"	5			
294	5-5	1310 1315	"	1.2	0.14	5.79	0.73	0.81	"	5			
295	5-12	1430 1435	"	1.1	0.10	5.60	0.69	0.56	"	5			
296	5-19	1250 1258	"	1.1	0.04	5.00	0.64	0.20	"	5			
297	6-9	1052	WHISLER					0.61	0.07	VOL			
298	6-16	1025	"					0.61	0.07	"	0		
299	6-4	1010	"					0.62	0.20	"	0		
300	6-11	1103	"					0.61	0.03	"	0		

FORM 12-53

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, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	+	0.1	+	1.4	1.2	2.7	0.5	+	+	0.2	+
2			+		1.4	1.2	2.7	0.5		0.1	0.2	+
3			0.1		1.4	1.2	2.7	0.4	0	+	0.2	0.1
4			0.1		1.4	1.3	2.7	0.4	0	+	+	
5			0.1		1.2	1.2	2.7	0.3	0	+		
6			0.1		1.2	1.2	2.5	0.3	+	0		
7			0.1		1.0	0.9	2.4	0.3		0		
8			0.1		0.9	0.7	2.1	0.2		0		0.1
9			+		0.9	0.7	2.1	0.2		0		0.1
10					0.9	0.7	1.9	0.2		0.1		+
11					0.6	0.7	1.8	0.2		0.2		
12					0.8	0.7	1.5	0.2		0.2		
13					1.3	0.7	1.3	0.2		0.2		
14					4.9	0.7	1.0	0.1		+		0.1
15					3.0	0.6	0.6	0.1		0.1		0.2
16					3.0	3.1	0.6	0.1				+
17					2.7	0.9	0.6	0.1				+
18		0.1			2.1	0.9	0.6	0.1				+
19		+			1.5	1.0	0.4	0.1				+
20				2.3	1.9	1.0	0.4	+		0.1		+
21				1.4	1.5	1.5	0.2			0.1		+
22			0.1		1.2	1.5	1.9	0.4		0.1	+	+
23			+		1.4	1.8	2.1	0.4		0.1	+	+
24					10.7	1.5	3.3	0.4		0.2	0	0.1
25					16.0	1.3	3.6	0.4		+		+
26					1.4	1.3	3.0	0.4		0		+
27					1.4	1.2	3.0	0.4		0		+
28					0.4	1.4	1.2	0.6		0		0.2
29		0.1			0.4	1.4	1.2	2.5		0		+
30		0.2			0.3	1.4	1.4	0.4		0		+
31		+	0.3		1.4	1.4	2.7	0.5		0		+
	+		1.8		57.7	55.7	57.6	4.3	+	3.5	0.6	1.1

MEAN	+	0.01	0.06	2.18	2.06	1.80	1.25	0.14	+	0.11	0.02	0.04
(273-300)	+	0.79	3.6	134.	114.	110.	75.	8.5	+	6.9	1.2	2.2

Remarks: + = 0.05 cfs or less

YEAR OR PERIOD MEAN ACRE-FOOT 0.63 457.

FD-744 (Rev. 12-53)

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F678-R

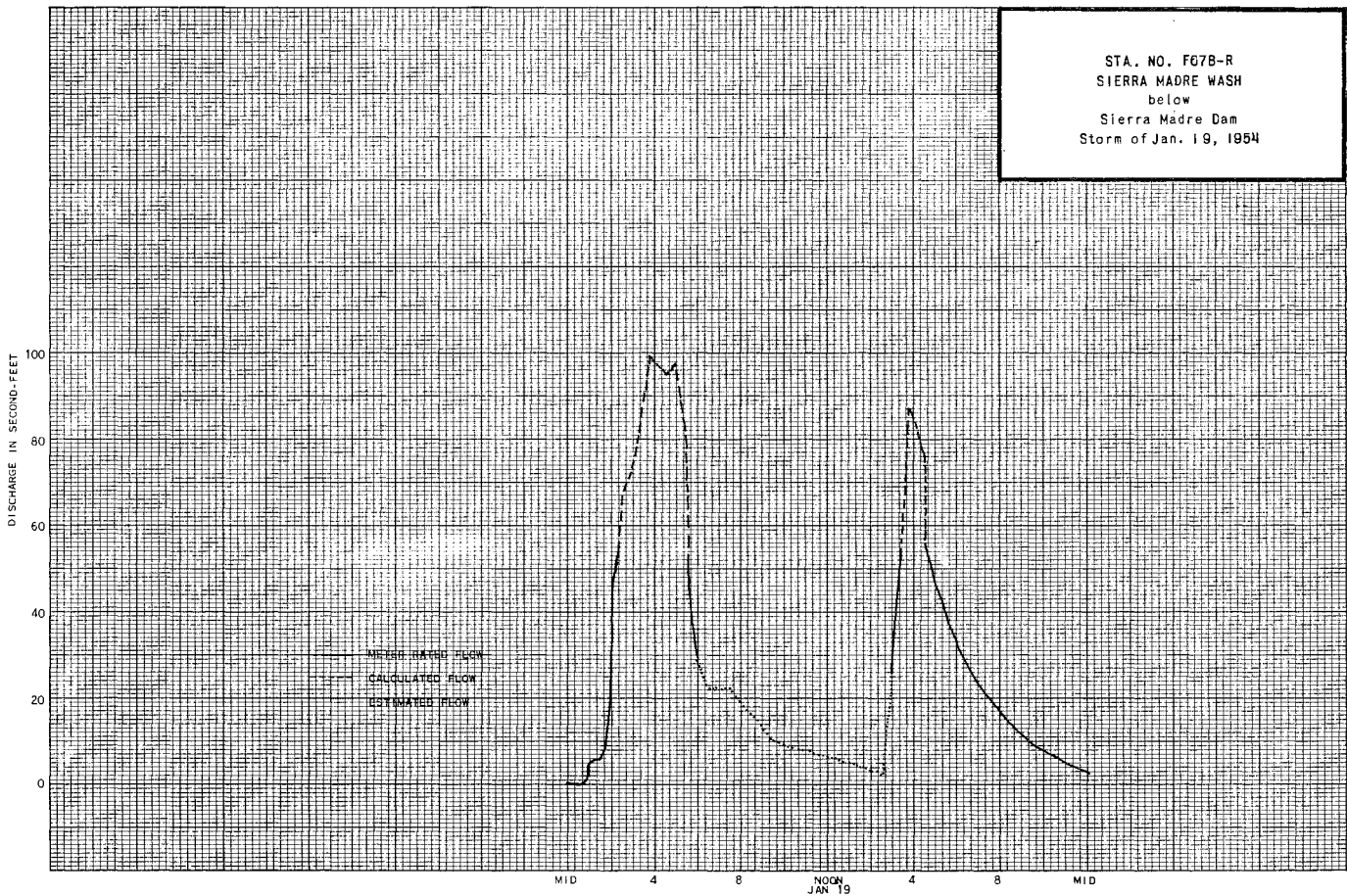
Daily discharge, in second-feet of SIERRA MADRE WASH below Sierra Madre Dam for the year ending September 30, 1955

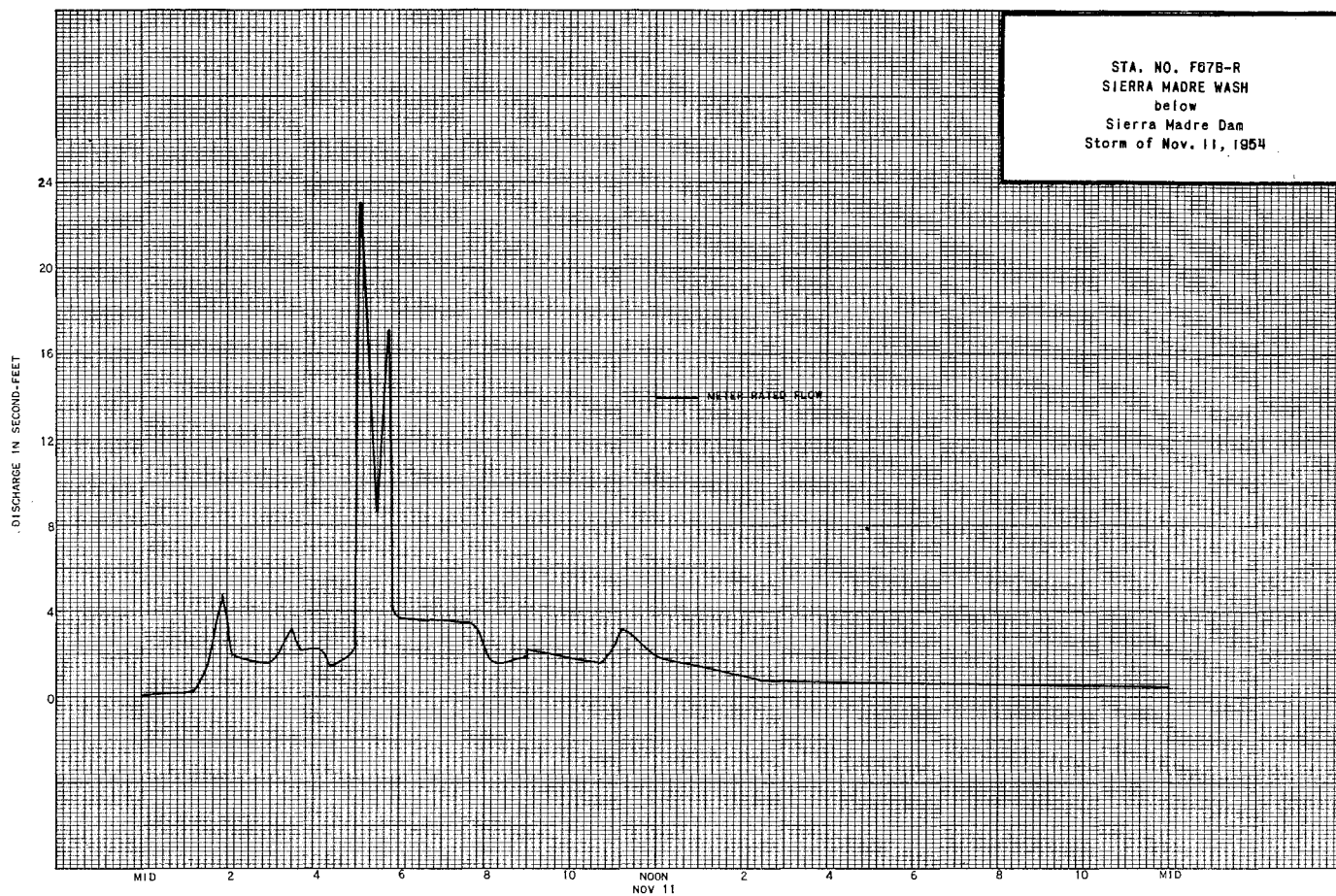
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.3	+	+	0.5	0.1	0.1	0.1	2.6	0.1	+	+	+
2	+	+	+	0.4	+	0.1	0.1	1.9	+	+	+	0.1
3	+	+	0.6	0.4	+	0.1	0.1	1.5	+	+	+	0.1
4	+	+	0.2	0.4	+	0.1	0.1	1.3	0.2	+	+	0.1
5	+	+	+	0.2	+	0.1	0.1	0.8	0.2	+	+	0.1
6	+	+	+	0.3	+	0.1	0.1	0.8	0.2	+	+	0.1
7	+	+	+	+	+	0.2	+	0.9	0.1	+	+	+
8	0.1	+	+	+	+	0.2	+	0.9	+	+	+	+
9	0.1	+	0.2	+	+	0.2	+	0.8	+	+	+	+
10	+	+	0.3	1.7	+	0.4	+	0.7	+	+	+	+
11	0.1	1.9	+	0.6	+	0.5	+	0.5	+	+	+	+
12	+	0.5	+	0.5	+	0.5	+	0.4	+	+	+	+
13	+	0.4	+	0.5	+	0.5	+	0.4	+	+	+	+
14	+	0.4	+	0.4	+	0.5	+	0.4	+	+	+	+
15	+	+	+	+	+	0.5	+	0.4	+	+	+	+
16	+	0.7	+	1.0	+	1.5	+	0.4	+	+	+	+
17	0.2	0.2	+	0.6	0.3	0.3	+	0.4	+	+	+	+
18	+	0.2	+	3.5	+	0.2	+	0.3	+	+	+	0.2
19	+	+	+	1.5	+	0.2	+	0.2	+	+	+	0.2
20	+	0.1	+	0.9	+	0.2	+	0.2	+	+	+	+
21	+	0.1	+	0.8	+	0.2	+	0.1	+	+	+	+
22	+	0.1	+	0.8	+	0.2	+	0.2	+	+	+	0.1
23	0.3	0.2	+	0.7	+	0.2	0.2	+	+	+	+	0.1
24	+	0.1	+	0.4	+	0.2	0.2	+	+	+	+	+
25	+	0.2	+	0.3	+	0.1	0.2	+	+	+	+	+
26	+	0.2	+	0.2	+	0.1	+	+	+	+	+	+
27	+	0.1	+	0.2	0.5	0.1	+	+	0.1	+	+	+
28	+	0.1	+	0.2	0.2	0.1	+	+	+	+	+	+
29	+	0.2	+	0.2	0.2	0.1	+	+	+	+	+	+
30	+	0.2	+	0.2	0.2	0.1	+	+	+	+	+	+
31	+	0.2	+	0.2	0.2	0.1	2.9	+	+	+	+	+
	1.1	6.4	1.3	17.6	1.1	7.6	4.4	16.2	0.9			1.0
MEAN	0.04	0.21	0.04	0.52	0.04	0.25	0.15	0.52	0.03	+	+	0.03
ACRE- FEET	2.2	12.	2.6	35.	2.2	15.	6.7	32.	1.8	+	+	2.0

Remarks:

+ = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN ACRE- FEET 0.16 114





STA. NO. F87B-R  
SIERRA MADRE WASH  
below  
Sierra Madre Dam  
Storm of Nov. 11, 1954

STATION 267-R  
SIERRA MADRE WASH at Woodland Avenue

LOCATION: WATER-STAGE RECORDER, LAT.  $34^{\circ}09'19''$ , LONG.  $118^{\circ}01'41''$ , ON THE LEFT (NORTHEAST) CHANNEL WALL ABOUT 30 FEET UPSTREAM FROM SANTA ANITA WASH, ABOUT 20 FEET EAST OF THE INTERSECTION OF WOODLAND AVENUE AND FIRST STREET, AND ABOUT 1 MILE NORTH OF ARCADIA, ELEVATION OF ZERO GAGE HEIGHT, 557.22 FEET.

DRAINAGE AREA: 3.8 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - RECTANGULAR CONCRETE, 6 FEET DEEP AND 10 FEET WIDE. CHANNEL FORMS CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING, HIGH FLOWS MEASURED FROM DOWNSTREAM ROAD CULVERT HEADWALL AT STATION.

RECORDER: INSTALLED DECEMBER 30, 1938 OVER AN 18-INCH DIAMETER CORRUGATED IRON PIPE STILLING WELL, A STEVENS TYPE L RECORDER WAS IN SERVICE FROM OCTOBER 1, 1953 TO SEPTEMBER 30, 1955.

REGULATION: PARTIALLY REGULATED BY SIERRA MADRE DAM. USUAL REGULATION AFFECTS HIGH FLOWS ONLY.

DIVERSIONS: UNDERGROUND AND SURFACE FLOW DEVELOPED AND DIVERTED BY SIERRA MADRE WATER DEPARTMENT, FLOW ALSO DIVERTED ABOUT ONE MILE ABOVE STATION FOR SPREADING IN SIERRA MADRE SPREADING GROUNDS.

RECORDS AVAILABLE: SEE REMARKS.

EXTREMES OF DISCHARGE:

1953-54

MAXIMUM 333 SECOND-FEET JANUARY 19,  
MINIMUM NO FLOW MOST OF YEAR.

1954-55

MAXIMUM 175 SECOND-FEET JANUARY 18,  
MINIMUM NO FLOW AT VARIOUS TIMES

1938-55

MAXIMUM NOT DETERMINED MARCH 2, 1938.  
MAXIMUM DISCHARGE OF RECORD, 542 SECOND-FEET JANUARY 22, 1943.  
MINIMUM NO FLOW MOST OF EACH YEAR.

ACCURACY: FAIR.

REMARKS: SEVERAL PRIOR YEARS' RECORDS ARE NOT PUBLISHED DUE TO INSUFFICIENT RELIABLE RECORDS.

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

DISCHARGE MEASUREMENTS OF SIERRA MADRE WASH  
 AT NEAR Woodland Avenue DURING THE YEAR ENDING SEPTEMBER 30, 1954

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT- ING	METH- OD	MEAN SEC. NO.	Q. MT. CHANGE TOTAL	METER NO.
78	1-18	1940 1945	STUNDEN-MURPHY	10.0	2.00	3.80	0.20	7.6		FLOATS	6	0	
79	1-24	1907 1914	" "	10.0	4.10	6.98	0.41	28.6		"	4	0	
80	2-13	1315 1325	" "	10.0	3.60	7.05	0.36	25.4		"	6	0	
81	2-13	1600 1610	" "	10.0	10.0	12.1	1.00	121.		"	6	-0.07	
82	2-13	1830 1840	" "	10.0	4.00	7.50	0.40	30.0		"	6	0	
83	2-14	1350 1400	STUNDEN	10.0	1.00	4.00	0.10	4.0		"	6	0	
84	3-3	1130 1140	" "	2.0	0.52	2.11	0.12	1.1		"	4	0	
85	3-16	1950 2000	STUNDEN-MURPHY	10.0	3.00	7.00	0.30	21.0		"	4	0	
86	3-20	0855 0905	" "	10.0	4.20	5.57	0.42	23.4		"	6	0	
87	3-30	0210 0220	STUNDEN-MURPHY	10.0	4.20	7.48	0.41	31.3		"	6	-0.02	
88	9-2	1330 1340	STUNDEN	1.0	0.15	1.53		0.23		.5	5	0	FC50
89	9-8	1035 1040	" "	1.6	0.16	1.50	0.10	0.24		.5	6	0	"
90	9-16	1335 1340	" "	1.6	0.16	1.38	0.08	0.22		FLOATS	6	0	

DISCHARGE MEASUREMENTS OF SIERRA MADRE WASH  
 AT NEAR Woodland Avenue DURING THE YEAR ENDING SEPTEMBER 30, 1955

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT- ING	METH- OD	MEAN SEC. NO.	Q. MT. CHANGE TOTAL	METER NO.
91	11-11	0240 0245	STUNDEN	10.0	1.00	3.60	0.10	3.6		FLOATS	6	0	
92	11-11	0445 0450	STUNDEN-MURPHY	10.0	1.17	4.26	0.12	5.0		"	6	+0.01	
93	1-1	1732 1735	STUNDEN	10.0	5.00	8.00	0.45	40.0		"	6	+0.10	
94	1-6	1240 1245	" "	10.0	1.40	4.00	0.14	5.6		"	6	0	
95	1-18	1105 1110	" "	10.0	3.81	8.64	0.40	32.9		"	6	+0.05	
96	1-18	1220	" "	10.0	10.0	14.2	1.00	142.		"	5	+0.15	
97	2-27	1030 1033	" "	10.0	1.40	3.57	0.14	5.0		"	5	0	
98	3-16	0420 0424	" "	10.0	11.0	15.4	1.10	169.		"	6	0	
99	3-17	1305 1310	" "	10.0	0.40	1.70	0.04	0.68		"	5	0	

740743 Cb 12-53

LOS ANGELES COUNTY  
 FLOOD CONTROL DISTRICT  
 HYDRAULIC DIVISION

Sta. No. F207-R

Daily discharge, in second-feet of SIERRA MADRE WASH at Woodland Avenue for the year ending September 30, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1												
2	0	0	0	0	1.0	c 1.0	+	0	0	+	+	+
3	0	0	0	0	1.4	1.1		0	0			0
4	0	0	0	0	0.4	1.1		0	0.1			0
5	0	+	0.6	+	0.4	0.8		0	+			0
6	0	0	0	0	0	0.5		0	0			0
7	0	0	0	0	0	c 0.2		0	0		0	0
8	0	0	0	0	0	0		0	0		0	0
9	0	0	0	0	0	0		0	0		0	0
10	0	0	+	0	0	0		0	0		0	0
11	0	0	0	+	0	0		0	0		0	0
12	0	0	0	1.9	+	0		0	0		0	0
13	0	0	0	0	2.7	0		0	0		0	0
14	0	2.2	0	0	2.4	0		0	0		0	0
15	0	0	0	0	0	0		0	0		0	0
16	0	0	0	0	0	8.3		0	0		0	0
17	0	0	0	0	0	1.3		0	0		0	0
18	0	0	0	3.0	0.4	0		0	0		0	0
19	0	+	0	3.7	1.0	0		0	0		0	0
20	0	0	0	b. 2.0	c 1.0	3.2		0	0		0	0
21	0	0	0	+	1.0	1.3		0	0		0	0.1
22	+	0	0	+	1.0	0.6		0	0		0	+
23	0	0	0	+	1.1	0		0	0		0	0
24	0	0	0	2.1	1.1	2.5		0	0		0	+
25	0	0	0	2.3	1.1	c 0.1		0	0		0	0
26	0	0	0	2.0	1.2	0		0	0		0	0
27	0	0	0	1.4	1.0	+	e 0.1	0	0		0	0
28	0	0	0	1.4	c 1.0	+	e 0.2	0	0		0	0
29	+	0	0	1.8	+	1.9	+	0	0		0	0
30	0	0	0	1.4	+	7.9	+	0	0		0	0
31	0	0	0	1.0	+	+	+	0	0		0	0
+		2.2	0.6	1.2	1.9	4.3	1.9	0.3	0	0.1	+	3.7
MEAN	+	0.07	0.02	3.90	1.54	1.03	0.01	0	.003	+	+	0.12
ACRE- FEET	+	4.4	1.2	24.2	85.	63.	0.6	0	.2	+	+	7.3

Remarks: + = 0.05 cfs or less

YEAR OR PERIOD MEAN ACRE-FEET 0.56 404.

FORM Cb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F267-R

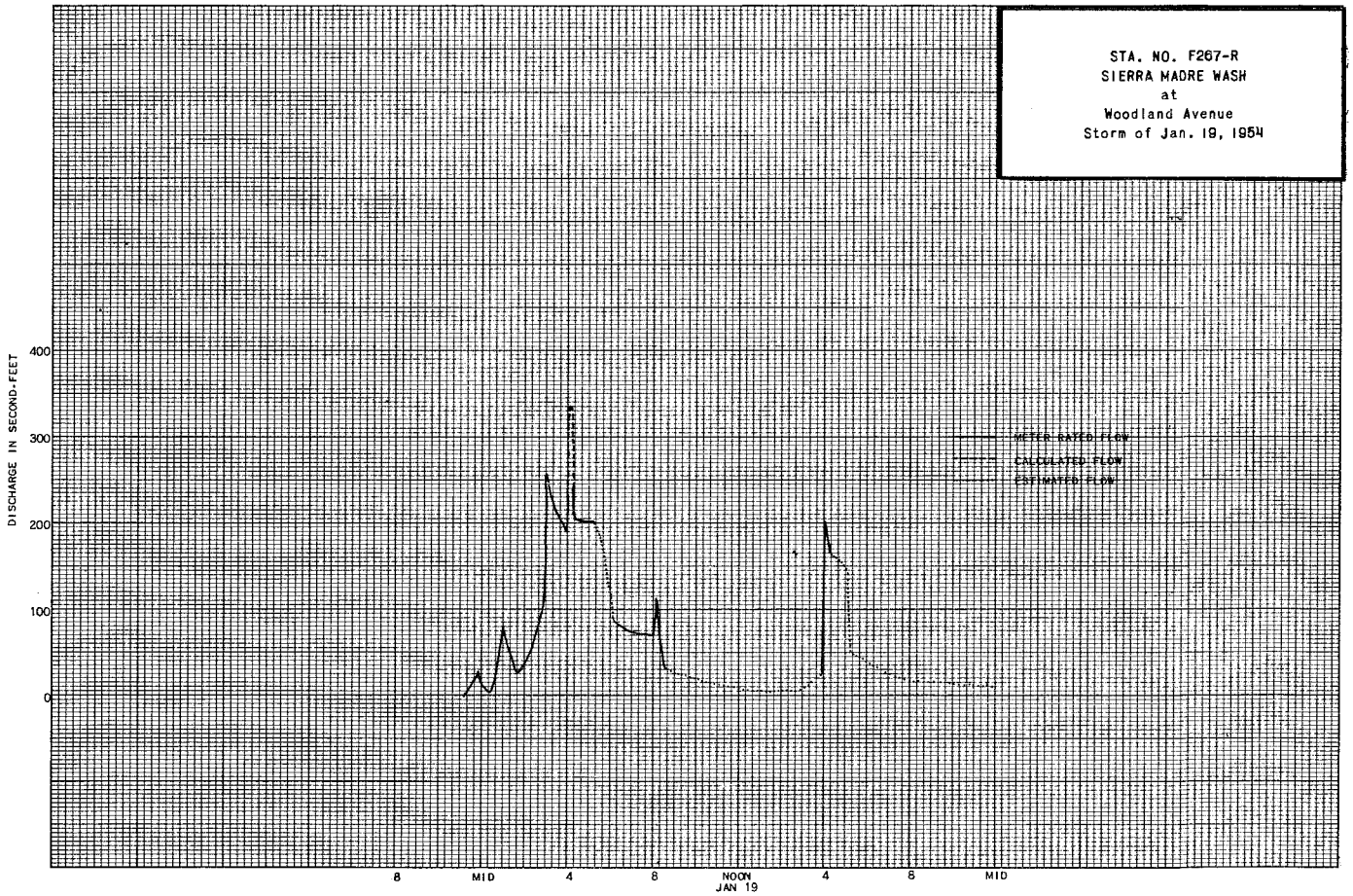
Daily discharge, in second-feet of **SIERRA MADRE WASH at Woodland Avenue** for the year ending September 30, 1954

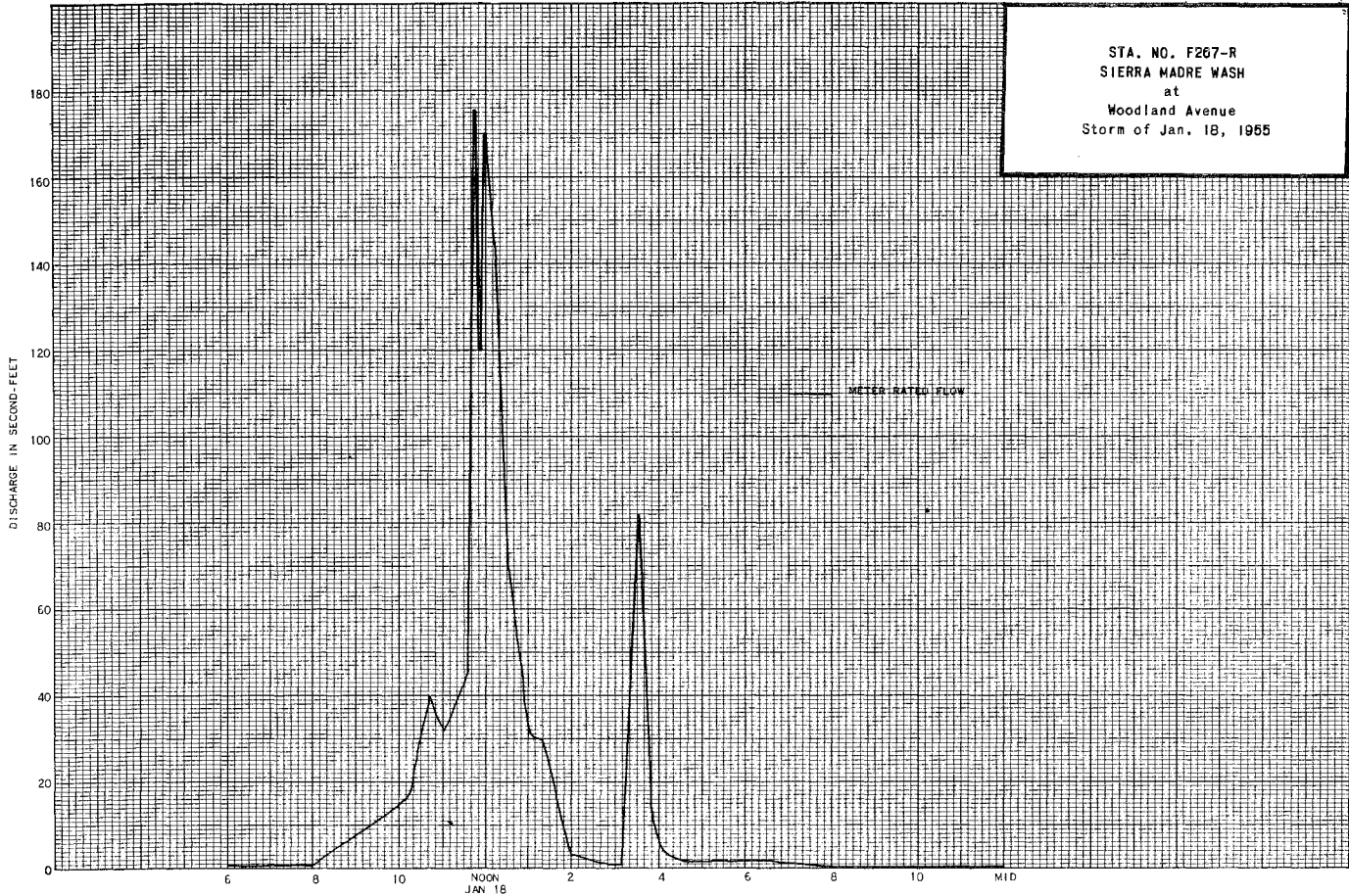
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	b 0.3	b +	b +	b 2.0	b +	+	+	3.3	+	+	+	+
2	a 0.1		b +	+	+	+	+	+				
3	0.2		b 3.8	+	b +			+				
4	+		0.7	+								
5	a 0.1		0.4	b +								
6	b +		0.4	1.3	+	+	+	+				
7	+		0.2	+	0.0	0.0	0.0	0.8				
8	+	b +	1.2	+	0.0	0.0		+				
9	0.1	b 5.0	+	+	0.0	0.0		+				
10	+	11.5	b +	11.5	0.0	1.2						
11		11.5	b b	0.7	0.0	0.3						
12		0.4	b	0.4	0.0							
13		0.4		0.2	0.0							
14		0.4		0.2	0.0							
15		1.3		0.2	0.0							
16	+	0.2		1.5	b 0.3	11.7						
17	0.2	+		0.2	0.5	+						
18	+			11.5	b +	+						
19	0.1			0.2	+							
20	+			b +	0.0							
21	+			+	0.0							
22	0.2			+	0.0		0.6					
23	0.2			0.0	0.0		0.6					
24	+			0.0	0.0		+					
25	+			0.0	0.0		+					
26	0.1			0.0	b +							
27	+			0.0	0.6							
28	+			0.0	b +							
29	+			0.0	+							
30	+			0.2	+		5.4					
31	b +			+	+							
	1.6	19.3	6.7	30.1	1.4	13.2	6.6	4.1				

MEAN	0.05	0.64	0.22	0.97	0.05	0.43	0.22	0.13	+	+	+	+
ACRE- FEET	3.2	38.	13.	60.	2.8	26.	13.	8.1	+	+	+	+

Remarks: + = 0.05 CFS OR LESS

YEAR MEAN 0.23  
OR PERIOD ACRE- FEET 164.





STATION F43-R  
 SYCAMORE CANYON CHANNEL above Solway Street

LOCATION: WATER-STAGE RECORDER, LAT. 34°09'24", LONG. 118°13'17", ON THE RIGHT (NORTH) SIDE OF CONCRETE DRAIN, APPROXIMATELY 80 FEET ABOVE SOLWAY STREET AND ABOUT 3 MILES NORTHEAST OF GLENDALE, ELEVATION OF GAGE ABOUT 700 FEET.

DRAINAGE AREA: 2.7 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - RECTANGULAR CONCRETE, 8 FT. WIDE AND 8 FT. DEEP, INVERT IS 0.1 FOOT BELOW BOTTOM OF VERTICAL SIDE WALLS. CHANNEL FORMS CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING, HIGH FLOWS MEASURED FROM FOOTBRIDGE ABOUT 80 FEET BELOW STATION.

RECORDER: INSTALLED JANUARY 30, 1928 OVER A 3 FT. X 4 FT. CONCRETE STILLING WELL, RECORDER REINSTALLED OCTOBER 1, 1935, STEVENS TYPE L RECORDER WAS IN SERVICE FROM OCTOBER 1, 1953 TO SEPTEMBER 30, 1955.

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, 1955.

EXTREMES OF DISCHARGE:

1953-54  
 MAXIMUM 85 SECOND-FEET JANUARY 19.  
 MINIMUM NO FLOW AT TIMES IN OCTOBER.  
 1954-55  
 MAXIMUM 69 SECOND-FEET MAY 1.  
 MINIMUM NO FLOW AT TIMES.  
 1028-55  
 MAXIMUM NOT DETERMINED MARCH 2, 1938.  
 MAXIMUM DISCHARGE OF RECORD 568 SECOND-FEET JANUARY 16, 1952.  
 MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: FAIR.

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

DISCHARGE MEASUREMENTS OF SYCAMORE CANYON CHANNEL  
 AT above Solway Street DURING THE YEAR ENDING SEPTEMBER 30, 1954

DISCHARGE MEASUREMENTS OF SYCAMORE CANYON CHANNEL  
 AT above Solway Street DURING THE YEAR ENDING SEPTEMBER 30, 1955

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- ION	METH- OD	MEAN SEC. FT.	S. INT. CHANGE TOTAL	METER NO.
55	3-30	0812 0815	LUCE-LEMAR	3.0	0.33	3.03		1.0	.5	6			FC41
56	1-6	1212 1218	LUCE-FRIEDRICH	5.0	0.61	4.92	0.18	3.0	.5	9	0		FC41
57	1-10	1013 1015	" "	2.0	0.09	3.45	0.01	0.31	.5	3	0		"

FORM Gb 12-53

LOS ANGELES COUNTY  
 FLOOD CONTROL DISTRICT  
 HYDRAULIC DIVISION

Sta. No. F43-R

Daily discharge, in second-feet of SYCAMORE CANYON CHANNEL above Solway Street for the year ending September 30, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	+	+	a	+	0.1	0.1	0.1				
2	+	+	+	+	+	+	+	+				
3	+	+	+	+	+	+	+	+				
4	+	+	0.1	+	+	+	+	0.1				
5	+	+	+	+	+	+	+	+				
6	+	+	+	a	+	+	+	+				
7	+	+	+	+	+	+	+	+				
8	+	+	+	+	+	+	+	+				
9	+	+	+	+	+	+	+	+				
10	+	+	+	+	+	0.1	0.1	0.1				
11	+	+	+	+	+	0.5	+	+				
12	+	+	+	+	+	0.2	+	+				
13	+	+	+	+	+	0.1	+	+				
14	+	0.5	+	+	1.4	0.1	0.1	0.1				
15	+	+	+	+	0.3	0.1	0.1	0.1				
16	+	+	+	+	0.1	1.1	+	+				
17	+	+	+	0.1	+	0.2	+	+				
18	+	+	+	0.3	+	+	0.1	+				
19	+	+	+	7.0	a	+	0.1	+				
20	+	+	+	0.9	+	1.5	0.1	+				
21	+	+	+	+	+	0.1	+	+				
22	+	+	+	+	+	0.4	+	+				
23	+	+	+	+	+	+	+	+				
24	+	+	+	4.0	+	0.5	+	+				
25	+	+	+	3.0	a	0.3	+	+				
26	+	+	+	+	+	0.2	+	+				
27	+	+	+	a	+	0.1	0.1	0.1				
28	+	+	+	+	0.1	0.1	0.1	0.1				
29	+	+	+	+	+	0.9	0.1	0.1				
30	+	+	+	+	+	2.0	0.1	0.1				
31	+	+	+	+	+	0.2	+	+				
	+	0.5	0.1	15.3	8.6	9.2	1.3	0.1				

MEAN	+	0.02	.003	0.49	0.31	0.30	0.04	.003	+	+	+	+
ACRE- FEET	+	1.0	.2	30.	17.	18.	2.6	0.2	+	+	+	+

Remarks: + = 0.05 cfs or less

YEAR OR PERIOD MEAN .096  
ACRE-FEET 69.

FORM Gb 12-53

LOS ANGELES COUNTY  
 FLOOD CONTROL DISTRICT  
 HYDRAULIC DIVISION

Sta. No. F43-R

Daily discharge, in second-feet of SYCAMORE CANYON CHANNEL above Solway Street for the year ending September 30, 1955

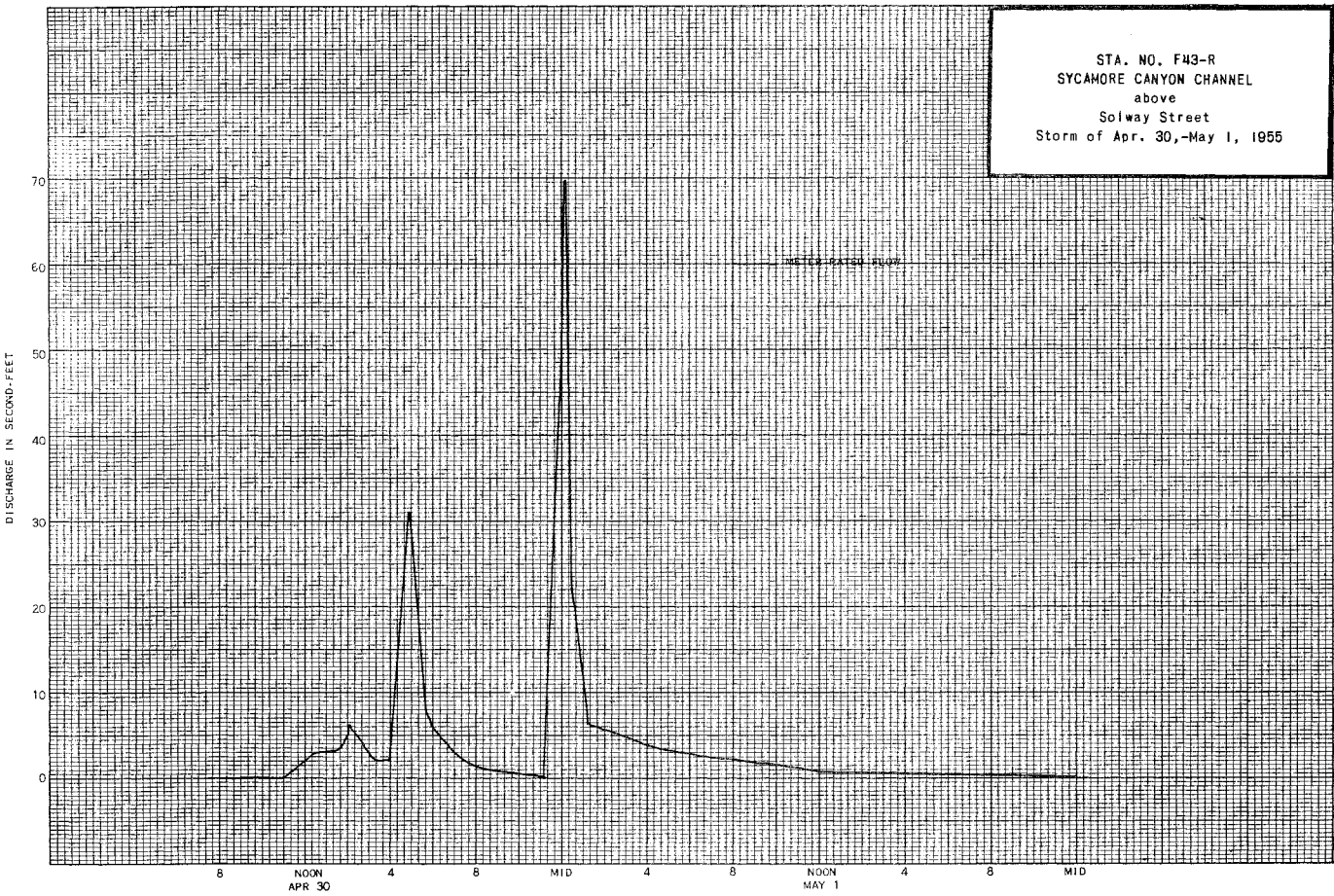
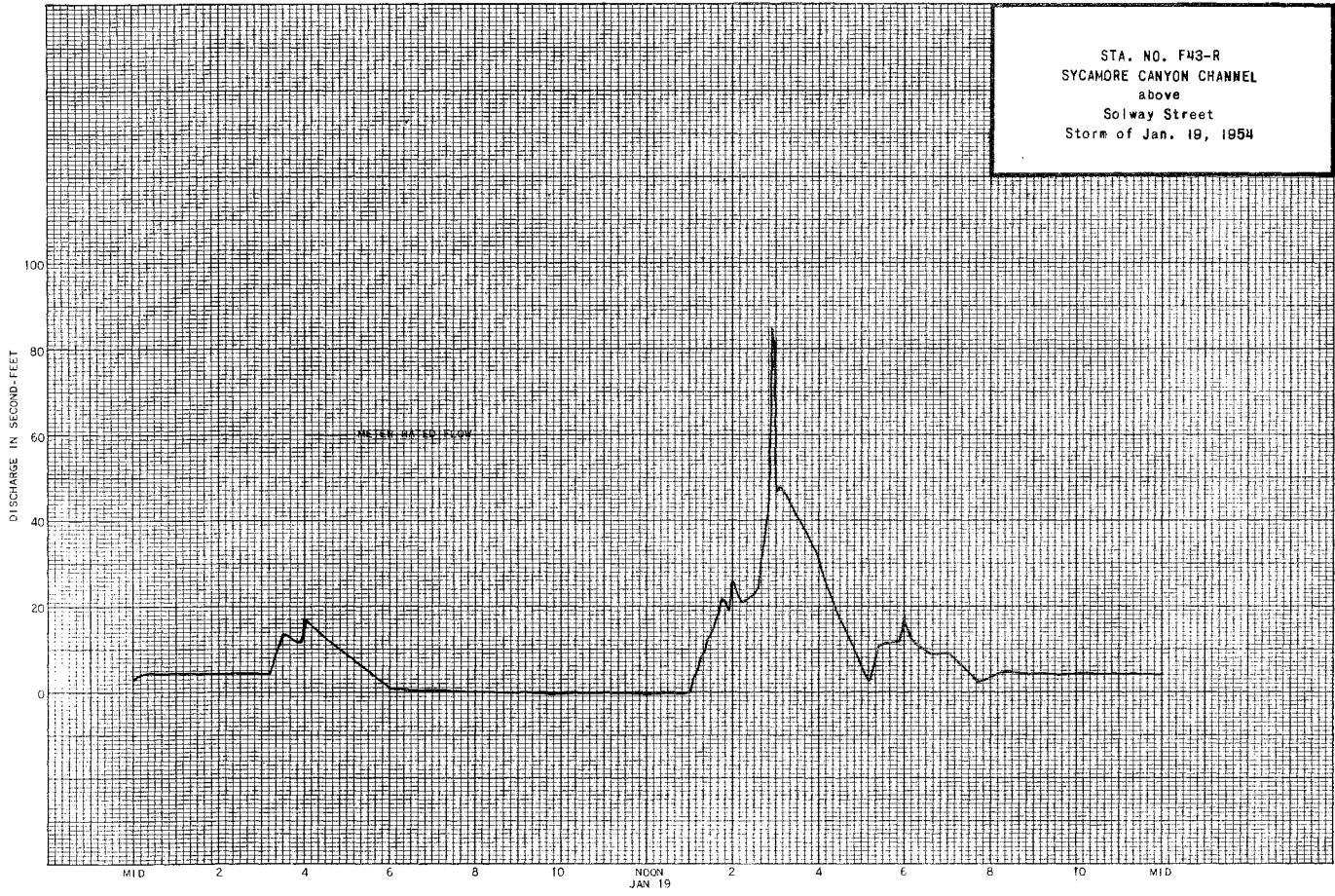
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	+	+	0.5	+	+	+	3.0	+			
2	+	+	+	+	+	+	+	+	+			
3	+	+	0.4	0.3	+	+	+	+	+			
4	+	+	+	0.0	+	+	+	+	+			
5	+	+	+	0.6	+	+	+	+	+			
6	+	+	+	+	+	+	+	+	+			
7	+	+	+	+	+	+	+	0.6	+			
8	+	+	+	+	+	+	+	+	+			
9	+	+	0.4	+	+	+	+	+	+			
10	+	0.1	+	1.5	+	0.6	+	+	+			
11	+	2.4	+	+	+	+	+	+	+			
12	+	0.1	+	+	+	+	+	+	+			
13	+	+	+	+	+	+	+	+	+			
14	+	+	+	+	+	+	+	+	+			
15	+	+	+	+	+	+	+	+	+			
16	+	+	0	0.7	+	+	+	0.1	+			
17	+	+	+	+	+	+	+	0.1	+			
18	+	+	+	6.0	+	+	+	+	+			
19	+	+	+	0.1	+	+	+	+	+			
20	+	+	+	0.1	+	+	0.3	+	+			
21	0	+	+	+	+	+	+	+	+			
22	+	+	+	+	+	+	+	+	+			
23	+	+	+	+	+	+	+	+	+			
24	+	+	+	+	+	+	+	+	+			
25	+	+	+	+	+	+	+	+	+			
26	+	+	+	+	+	+	+	+	+			
27	+	+	+	+	0.6	+	0	+	+			
28	+	+	+	+	+	+	+	+	+			
29	+	+	+	+	+	+	+	+	+			
30	+	+	+	0.4	+	+	+	+	+			
31	+	+	0.8	0.3	0.6	+	3.8	+	+			
	2.6	10.5	0.6	0.6	3.8							

MEAN	+	0.09	0.03	0.34	0.02	0.02	0.13	0.12	+	+	+	+
ACRE- FEET	+	5.2	1.6	21.	1.2	1.2	7.5	7.5	+	+	+	+

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.06  
ACRE-FEET 45.





STATION F4WB-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, 1953 TO SEPTEMBER 30, 1955.

REGULATIONS: NONE.

DIVERSIONS: NONE.

RECORDS AVAILABLE: DECEMBER 15, 1927 TO SEPTEMBER 30, 1955.

EXTREMES OF DISCHARGE:

1953-54  
MAXIMUM 214 SECOND-FEET FEBRUARY 13.  
MINIMUM LESS THAN 0.01 SECOND-FOOT VARIOUS TIMES.  
1954-55  
MAXIMUM 316 SECOND-FEET JANUARY 16.  
MINIMUM PLUS FLOW AT VARIOUS TIMES.  
1927-53  
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 Adams Square DURING THE YEAR ENDING SEPTEMBER 30, 1954

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. INR.	METH. NO.	MEAN SEC. NO.	B. CH. TOTAL	METER NO.
16	2-14	1500 1506	LUCE-LE MAR	6.50	0.60	0.95	0.15	0.57		.5	7	0	FC41
17	3-11	0935 0940	GODFREY	4.0	0.20	1.40	0.11	0.28		FLOATS	5	+01	"
18	3-22	1205 1212	LUCE	9.0	2.11	1.94	0.27	4.1		.5	10	+02	FC41
19	3-31	1245 1250	"	3.0	0.33	1.36	0.11	0.45		.5	7	0	"

DISCHARGE MEASUREMENTS OF SYCAMORE CANYON CHANNEL  
AT Adams Square DURING THE YEAR ENDING SEPTEMBER 30, 1955

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. INR.	METH. NO.	MEAN SEC. NO.	B. CH. TOTAL	METER NO.
20	1-6	1125 1135	LUCE-FRIEDRICH	9.0	4.01	7.14	0.45	28.6		.5	8	+15	FC41
21	1-10	0918 0923	"	5.5	0.40	1.30	0.15	0.52		.5	8	0	"
22	1-19	1155 1200	"	2.2	0.20	0.80	0.10	0.16		.6	6	0	"
23	2-27	0843 0855	LUCE	9.0	1.97	3.86	0.29	7.6		.5	8	+02	"

NDTM C-12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F448-R

Daily discharge, in second-feet of SYCAMORE CANYON CHANNEL at Adams Square for the year ending September 30, 1954

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.02	0.02	+	0.04	0.04	0.4	0.5	0.2				
2	0.02	0.02	+	0.04	0.04	0.4	0.5	0.1				
3	0.02	0.01	1.9	0.04	0.04	0.2	0.4	0.1				
4	0.02	0.01	a +	0.02	0.04	0.04	0.4	0.1				
5	0.02	0.02		0.01	0.04	0.04	0.4	0.1				
6	0.02	0.01		0.03	0.04	0.04	0.4	0.1				
7	0.02	0.04		0.01	0.04	0.02	0.2	0.2				
8	0.02	0.01		0.09	0.04	0.01	0.2	0.2				
9	0.02	0.01		0.01	0.04	0.04	0.2	0.4				
10	0.02	0.1		0.01	0.04	0.1	0.4	b +				
11	0.02	0.1		0.01	0.04	0.2	0.2	0.1				
12	0.04	0.04		a 7.7	0.04	0.02	0.2	b +				
13	0.04	0.02		0.01	3.9	+	0.4	b +				
14	0.04	14		0.04	7.9	b +	0.4	0.2				
15	0.04	0.4	a +	0.04	0.4	b +	0.4	0.4				
16	0.04	0.02	0.03	a 0.04	0.5	10.0	0.04	0.1				
17	0.02	0.01	0.01	0.4	0.5	2.2	0.04	0.1				
18	+	+	0.01	5.9	0.5	0.7	0.04	0.4				
19	0.01	0.02	0.02	4.0	0.4	0.4	0.04	0.4				
20	0.01	0.6	0.02	2.3	0.2	1.5	0.04	0.4				
21	0.01	+	0.02	0.4	0.1	0.1	0.04	e 0.2				
22	0.02		0.02	0.2	0.1	3.8	0.04	0.2				
23	0.02		0.02	0.2	0.4	0.7	b 0.2	0.02				
24	0.04	a	0.02	3.1	0.01	6.3	+	0.02				
25	0.04	a	0.02	2.3	0.4	1.3	b +	0.02				
26	0.02	a +	0.02	0.04	b +	0.5	b +	0.02				
27	0.02	0.01	0.02	0.04	b +	0.4	0.05	0.02				
28	0.02	+	0.02	0.02	0.4	0.4	1.5	0.02				
29	0.02	+	0.01	0.02	0.02	7.8	0.02	0.02				
30	0.04	+	0.01	0.02	0.02	5.7	0.2	0.02				
31	0.04	0.01	0.01	0.02	0.02	0.6	e	0.02				
	0.75	15.58	2.18	111.70	51.29	59.01	7.79	3.00	+	+	+	+

MEAN	0.02	0.52	0.07	3.60	1.83	1.90	0.26	0.10	+	+	+	+
ACRE- FEET	1.5	31.	4.3	222.	102.	117.	15.	6.0	+	+	+	+
Remarks:	+ = 0.05 cfs or less								YEAR OR PERIOD	MEAN ACRE-FEET	0.69 499.	

NDTM C-12-53

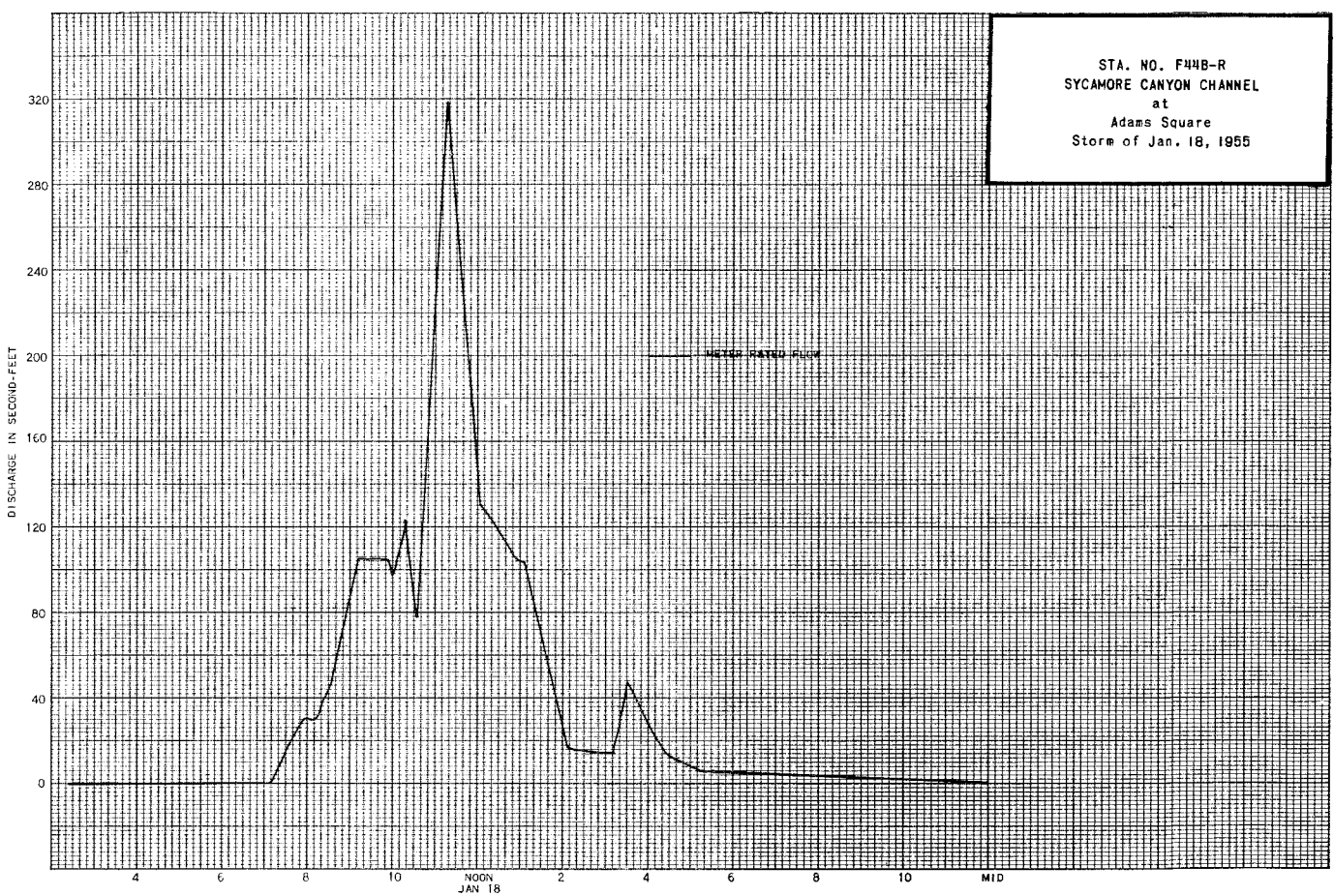
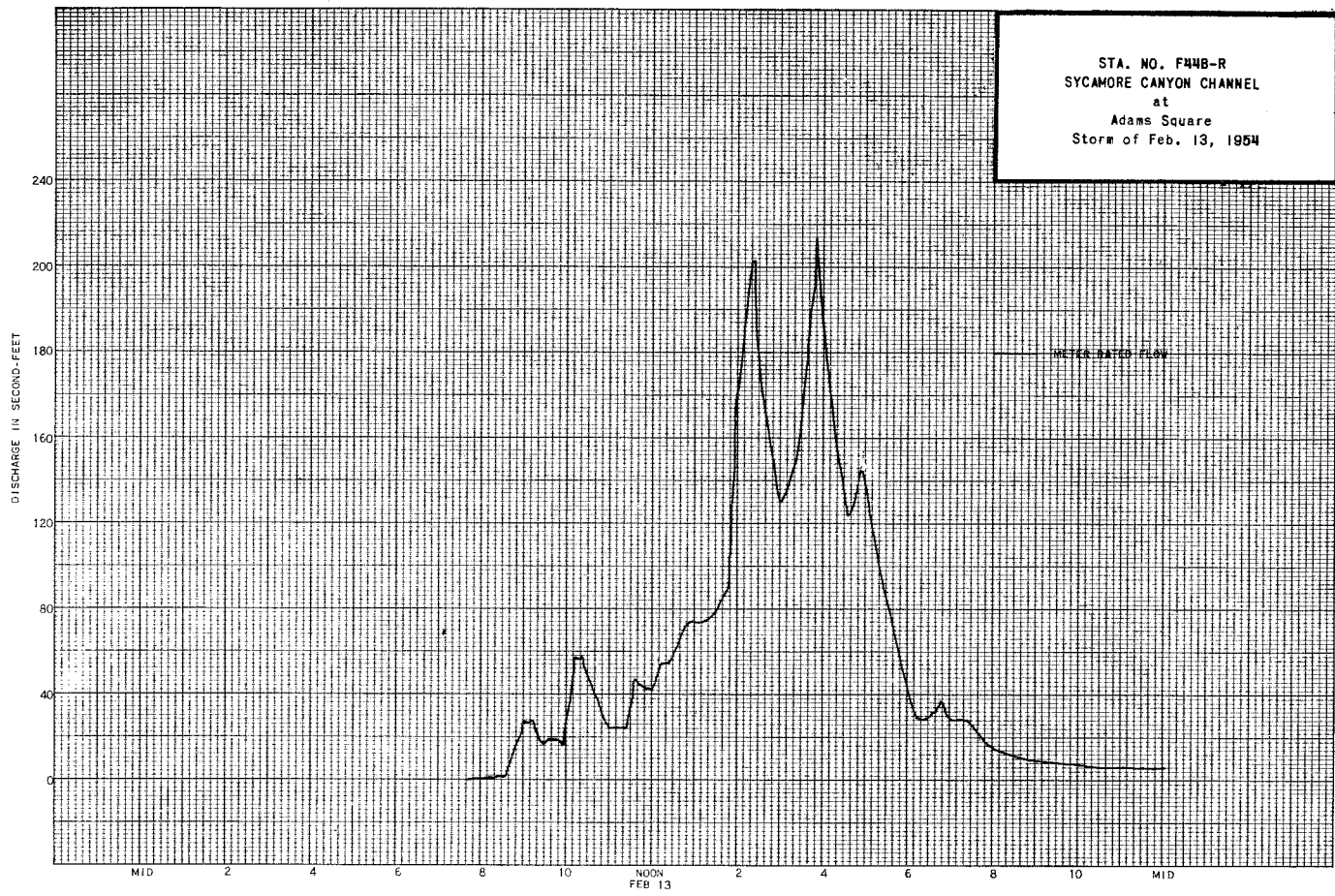
LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F448-R

Daily discharge, in second-feet of SYCAMORE CANYON CHANNEL at Adams Square for the year ending September 30, 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.01	0	0.02	7.4	0.04	0.01	0.04	10.6				
2	0.01	0	0.02	0.04	0.04	0.01	0.04	0.2	0.1			
3	0.01	+	7.2	0.6	0.04	0.04	0.04	0.2	f 0.4			
4	0.01	0.01	0.01	0.02	0.04	0.04	0.04	0.2				
5	0.01	0.02	0.01	0.01	0.04	0.04	0.04	0.1				
6	0.01	0.02	0.01	8.4	0.04	0.04	0.04	0.1				
7	0.01	0.04	0.01	0.02	0.04	0.04	0.04	0.2				
8	0.02	0.01	0.02	0.04	0.1	0.04	0.04	0.2				
9	0.02	0.01	7.7	0.1	0.1	0.04	0.04	0.2				
10	0.01	4.5	0.2	17.2	f 0.04	6.7	0.02	0.4				
11	+	18.2	0.01	0.1	e 0.04	0.3	+	0.2				
12	+	1.3	0.01	0.1	0.04	0.04		0.2				
13	+	0.02	0.02	0.04	0.04	0.04		0.2				
14	0.04	0.01	0.02	0.04	0.04	0.02		0.2				
15	+	0.4	0.02	0.05	0.04	0.1		0.2				
16	0.01	0.2	0.01	10.2	e 0.04	1.8	0.01	0.1				
17	+	0.01	0.01	0.1	f 0.04	0.04	0.01	0.1				
18	0.04	0.01	0.01	3.2	0.04	0.04	0.01	0.1				
19	0.01	0.04	0.01	0.5	0.04	0.02	0.2					
20	0.02	0.02	0.01	0.2	0.04	0.01	0.4					
21	0.02	0.02	0.01	0.2	0.1	0.01	2.9					
22	0.01	0.02	0.02	0.2	0.2	0.02	7.2	a				
23	0.02	0.02	0.02	0.2	e 0.1	0.5	0.04	+				
24	0.02	0.02	0.02	0.2	e 0.1	0.6	0.04	0.1				
25	0.01	0.02	0.02	0.2	0.1	0.1	0.04	0.2				
26	0.01	0.02	0.02	0.2	1.5	0.04	1.5	a 0.2				
27	0.01	0.02	0.02	0.2	7.3	0.04	0.04	0.4				
28	+	0.02	0.02	0.2	+	0.04	0.04	0.4				
29	0.04	0.02	0.02	0.2	0.04	0.04	0.04	0.4				
30	0.01	0.02	0.02	0.2	5.7	0.04	0.04	0.4				
31	+	0.02	0.02	3.7	0.1	0.1	2.1	0.6				
	0.39	25.02	15.54	88.36	10.42	12.00	33.81	24.95	0.14			

MEAN	0.013	0.83	0.50	2.85	0.37	0.39	1.13	0.80	0.004	+	+	+
ACRE- FEET	0.8	50.	31.	175.	21.	24.	67.	49.	0.28	+	+	+
Remarks:	+ = LESS THAN 0.01 CFS								YEAR OR PERIOD	MEAN ACRE-FEET	0.52 418.	



STATION F276-R  
THOMPSON CREEK SPREADING GROUNDS INTAKE  
at Thompson Creek Dam

LOCATION: WATER-STAGE RECORDER, LAT. 34°08'22" LONG. 117°42'37", ON THE RIGHT (WEST) SIDE AND AT THE DOWNSTREAM END OF THE 3 FT. X 3 FT. DIVERSION OUTLET THROUGH THOMPSON CREEK DAM. ELEVATION OF ZERO GAGE HEIGHT, 1624.45 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, 1953 TO SEPTEMBER 30, 1955.

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, 1953.

EXTREMES OF DISCHARGE:

1953-54  
NO FLOW FOR ENTIRE YEAR.  
1954-55  
NO FLOW FOR ENTIRE YEAR.  
1940-55  
MAXIMUM 21 SECOND-FEET FEBRUARY 24, 1943.  
MINIMUM NO FLOW MOST OF EACH YEAR.

ACCURACY: GOOD

REMARKS: PRIOR TO AUGUST 1953, THE WATER-STAGE RECORDER WAS LOCATED ON THE LEFT (EAST) SIDE OF THE DOWNSTREAM END OF THE DIVERSION OUTLET.

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

STATION F32-R  
THOMPSON CREEK below Thompson Creek Dam

LOCATION: WATER-STAGE RECORDER, LAT. 34°08'22", LONG. 117°42'32", ON THE LEFT (EAST) BANK ABOUT 300 FEET BELOW THOMPSON CREEK DAM TUNNEL OUTLET AND ABOUT 2.5 MILES NORTH OF CLAREMONT. ELEVATION OF ZERO GAGE HEIGHT, 1579.94 FEET.

DRAINAGE AREA: 3.7 SQUARE MILES.

CHANNEL AND CONTROL: SAN DIMAS TYPE FLUME.

DISCHARGE MEASUREMENTS: ALL FLOWS MEASURED BY WADING.

RECORDER: INSTALLED DECEMBER 21, 1943, REINSTALLED AUGUST 1952 OVER A 3 FT. X 4 FT. CONCRETE STILLING WELL. A HORIZONTAL RATIONAL RECORDER WAS IN SERVICE FROM OCTOBER 1, 1953 TO SEPTEMBER 30, 1955.

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, 1955. FOR MEASUREMENTS PRIOR TO DECEMBER 21, 1943, SEE STATION F32-S. FROM MARCH 1928, SEE RECORDS BASED ON DAM OUTFLOW.

EXTREMES OF DISCHARGE:

1953-54  
NO FLOW FOR ENTIRE YEAR  
1954-55  
NO FLOW FOR ENTIRE YEAR.  
1944-53  
MAXIMUM 5.3 SECOND-FEET MARCH 17, 1952.  
MINIMUM NO FLOW EXCEPT IN MARCH 1952.

ACCURACY: GOOD.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT FOR MEASURING OUTFLOW FROM THOMPSON CREEK DAM.

STATION 54-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. A STEVENS CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1953 TO SEPTEMBER 30, 1954.

REGULATION: NONE.

DIVERSIONS: NONE.

RECORDS AVAILABLE: JANUARY 1, 1930 TO SEPTEMBER 30, 1955.

EXTREMES OF DISCHARGE:

1939-54  
MAXIMUM 2080 SECOND-FOOT FEBRUARY 13.  
MINIMUM NO FLOW SEPTEMBER 21.

1954-55  
MAXIMUM 151 SECOND-FOOT JANUARY 18.  
MINIMUM 0.01 SECOND-FOOT VARIOUS TIMES IN AUGUST AND SEPTEMBER

1930-55  
MAXIMUM 9,300 SECOND-FOOT 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  
above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1954

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	NEAR REC. NO.	Q. HT. CHANGE TOTAL	METER NO.
796	10-8	1412 1415	BOLLINGER	0.6	0.11	0.64	2.33	0.07	F	0			
797	10-29	1515 1520	MOON	0.75	0.06	0.50	2.34	0.03	F	4	0	FC48	
798	11-5	1404 1408	"	0.75	0.07	0.43	2.38	0.03	F	4	0	"	
799	11-12	1429 1422	"	0.80	0.08	0.50	2.36	0.04	F	4	0	"	
800	11-14	1540 1543	"	2.8	0.69	0.51	2.51	0.35	F	7	0	"	
801	11-19	1310 1314	"	1.5	0.15	0.40	2.33	0.06	F	3	0	"	
802	11-25	1300 1303	"	2.0	0.20	0.35	2.33	0.07	F	3	0	"	
803	12-3	1348 1357	"	1.8	0.25	0.20	2.34	0.05	F	3	0	"	
804	12-10	1307 1310	"	2.4	0.36	0.22	2.33	0.08	F	3	0	"	
805	12-17	1310 1312	"	2.0	0.20	0.35	2.34	0.07	F	3	0	FC29	
806	12-23	1212 1217	"	2.0	0.20	0.30	2.35	0.06	F	3	0	FC48	
807	12-31	1190 1193	"	2.0	0.20	0.25	2.34	0.05	F	3	0	"	
808	1-7	1340 1342	"	2.0	0.26	0.27	2.37	0.07	F	3	0	"	
809	1-14	1340 1342	"	1.8	0.18	0.39	2.37	0.07	F	3	0	"	
810	1-18	1400 1405	"	2.5	0.40	0.72	2.42	0.29	F	3	0	FC29	
811	1-19	1053 1053	"				2.50	0.88	F	3	0	"	
812	1-20	1546 1558	"	4.0	1.15	1.22	2.51	1.4	F	7	+0.1	"	
813	1-21	1200 1204	"	3.0	0.76	0.57	2.42	0.43	F	5	0	"	
814	1-24	1525 1525	HYDE-OCAMPO	17.5	14.0	0.51	2.72	7.1	F	12	0.04	FC35	
815	1-26	1455 1510	MOON				2.51	1.3	F	11	0	FC29	
816	1-28	1300 1310	"	3.5	0.60	0.80	2.43	0.48	F	8	0	"	
817	2-4	1246 1250	"	2.5	0.25	0.72	2.38	0.18	F	3	0	"	
818	2-11	1258 1300	MOON-SPELLMAN	2.5	0.24	0.58	2.40	0.14	F	6	0	FC48	
819	2-3	1800 1810	"	33.0	85.8	8.28	5.31	710.	F	7	0	FC29	
820	2-14	1534 1543	"	27.0	22.8	1.64	3.11	37.4	F	12	0	"	
821	2-18	1508 1520	MOON	20.0	5.82	0.38	2.56	2.2	F	13	0	"	
822	2-25	1415 1425	"	3.0	0.95	0.95	2.46	0.90	F	8	0	"	
823	3-4	1225 1238	"	3.0	0.61	0.87	2.42	0.53	F	7	0	FC48	
824	3-11	1225 1235	"	3.0	0.54	0.78	2.41	0.42	F	7	0	"	
825	3-16	1918 1928	MOON-SPELLMAN	34.0	33.4	2.06	3.51	68.7	F	9	+0.06	FC29	
826	3-17	1107 1120	MOON-SPELLMAN	10.0	6.40	0.47	2.64	3.0	F	11	0	"	
827	3-20	0708 0710	"	35.0	34.3	2.19	3.58	75.1	F	10	+0.04	"	
828	3-21	1050 1056	"				CHANNELS	2.73	F	5	0	"	
829	3-22	1330 1337	"					2.67	F	12	0	"	
830	3-24	1456 1505	"	7.5	3.14	1.11	2.64	3.5	F	10	0	"	
831	3-30	0005 0025	"	35.0	83.4	7.57	4.91	631.	F	8	+10 -10	"	
832	3-30	1417 1425	"	22.0	15.5	1.45	3.08	22.5	F	10	0	"	
833	4-1	1050 1405	MOON	9.0	5.67	1.04	2.78	5.9	F	13	0	FC48	
834	4-8	1050 1100	"	4.0	1.84	1.00	2.60	1.8	F	8	0	"	
835	4-15	1307 1317	"	3.5	1.53	0.72	2.52	1.1	F	8	0	"	
836	4-22	1120 1130	"	3.2	1.24	0.61	2.49	0.76	F	8	0	"	
837	4-29	1050 1100	"	3.5	1.17	0.62	2.47	0.73	F	8	0	"	
838	5-6	1236 1246	HYDE	5.5	2.28	0.12	2.43	0.27	F	8	0	"	
839	5-13	1143 1150	MOON	3.0	0.92	0.48	2.42	0.44	F	7	0	FC48	
840	5-20	1230 1240	HYDE	3.0	0.89	0.25	2.42	0.22	F	5	0	FC35	

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INB.	METH. CD.	MEAN REC. NO.	S. MT. CHANGE TOTAL	METER NO.
841	5-27	1222 1232	"	3.3	0.98	0.21	2.41	0.21	.5	6	0	"	"
842	6-3	1300 1308	MOON-L LINDSAY	3.0	0.79	0.28	2.42	0.22	.5	7	0	FC48	"
843	6-10	1405 1407	MOON	1.4	0.39	0.44	2.38	0.17	.5	3	0	"	"
844	6-16	1225 1230	"	1.4	0.39	0.33	2.38	0.13	.5	5	0	"	"
845	6-23	1450 1455	"	1.4	0.36	0.42	2.38	0.15	.5	5	0	"	"
846	6-30	1257 1302	"	1.4	0.30	0.37	2.37	0.11	.5	5	0	"	"
847	7-7	1315 1320	"	1.4	0.28	0.29	2.35	0.08	.5	5	0	"	"
848	7-15	1248 1253	"	1.3	0.24	0.25	2.35	0.06	.5	5	0	"	"
849	7-22	1255 1300	"	1.3	0.26	0.15	2.35	0.04	.5	6	0	"	"
850	7-29	1320 1329	"	1.1	0.11	0.27	2.33	0.03	.5	3	0	"	"
851	8-5	1314 1317	"	1.0	0.10	0.30	2.33	0.03	.5	3	0	"	"
852	8-12	1340 1342	"	1.0	0.10	0.30	2.33	0.03	.5	3	0	FC29	"
853	8-19	1254 1300	HYDE	1.3	0.26	0.15	2.33	0.04	.5	4	0	FC48	"
854	8-26	1145 1148	MOON	1.1	0.11	0.27	2.33	0.03	.5	3	0	"	"
855	9-2	0742 0743	"	0.7	0.07	0.43	2.30	0.03	.5	3	0	"	"
856	9-8	1230 1232	"	0.7	0.07	0.43	2.30	0.03	.5	3	0	"	"
857	9-16	1240 1242	"	0.6	0.12	0.33	2.31	0.04	.5	3	0	"	"
858	9-23	1250 1253	"	0.7	0.15	0.20	2.30	0.03	.5	3	0	"	"
859	9-30	1400 1403	"	0.7	0.12	0.33	2.31	0.04	.5	3	0	"	"

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INB.	METH. CD.	MEAN REC. NO.	S. MT. CHANGE TOTAL	METER NO.
877	1-10	1342 1356	"	20.0	7.96	1.12	2.83	8.9	.5	14	-02	"	"
878	1-14	1110 1120	MOON	1.9	0.28	0.64	2.36	0.18	.5	7	0	FC48	"
879	1-16	1536 1546	SPELLMAN-HYDE	4.0	1.24	1.29	2.58	1.6	.5	8	-01	FC35	"
880	1-18	1530 1540	SPELLMAN-MOON	CHANNELS		3.52	66.7		.6	19	-03	FC29	"
881	1-19	1315 1328	"	11.0	5.02	0.82	2.69	4.1	.6	12	.01	"	"
882	1-27	1225 1228	MOON	2.0	0.30	1.00	2.39	0.30	.5	3	0	FC48	"
883	2-2	1335 1338	"	2.0	0.30	1.23	2.40	0.37	.5	3	0	"	"
884	2-10	1120 1123	"	2.0	0.26	0.77	2.37	0.20	.5	3	0	"	"
885	2-17	1145 1155	"	3.5	1.33	0.90	2.52	1.2	.5	8	0	"	"
886	2-24	0804 0814	"	3.0	0.49	0.55	2.37	0.27	.5	7	0	"	"
887	2-27	1407 1413	SPELLMAN-MOON	9.0	4.45	1.12	2.73	5.0	.5	10	0	"	"
888	2-28	1422 1432	MOON	3.5	1.03	0.82	2.46	0.84	.5	8	0	"	"
889	3-3	1040 1050	"	3.0	0.63	0.57	2.41	0.36	.5	7	0	"	"
890	3-10	1122 1135	"	3.0	0.55	0.47	2.39	0.26	.5	7	0	"	"
891	3-11	1450 1455	"	21.0	12.2	1.61	3.08	19.6	.6	13	-05	FC29	"
892	3-17	1410 1420	"	3.5	1.20	0.52	2.45	0.63	.5	8	0	FC48	"
893	3-24	1430 1435	"	3.0	0.86	0.40	2.40	0.34	.5	7	0	"	"
894	3-31	1115 1120	"	1.4	0.49	0.51	2.38	0.25	.5	3	0	FC23	"
895	4-7	1130 1139	"	1.5	0.39	0.28	2.37	0.11	.5	3	0	"	"
896	4-13	1240 1243	MOON-HYDE	1.5	0.38	0.18	2.34	0.07	.5	3	0	"	"
897	4-21	1024 1025	MOON	1.5	0.36	0.19	2.35	0.07	.5	3	0	FC48	"
898	4-22	0255 0309	SPELLMAN-MOON	21.0	12.0	1.47	3.01	17.6	.6	12	-02	FC29	"
899	4-22	0805 0815	MOON	16.0	7.35	0.56	2.72	4.1	.6	9	-01	"	"
900	4-28	1400 1403	"	1.5	0.26	0.39	2.39	0.10	.5	3	0	FC48	"
901	5-1	1340 1346	HYDE-OCAMPO	19.0	12.3	0.74	2.83	9.1	.6	12	+01	FC35	"
902	5-2	1135 1147	MOON	10.0	2.90	0.72	2.62	2.1	.5	11	0	FC29	"
903	5-5	1240 1250	GODFREY-MOON	5.0	1.03	0.66	2.47	0.68	.5	9	0	FC48	"
904	5-7	1255 1305	GODFREY-DE MARS	8.5	9.59	0.30	2.67	2.8	.5	8	0	FC28	"
905	5-12	1145 1152	MOON	3.5	0.58	0.91	2.43	0.53	.5	6	0	FC48	"
906	5-19	1140 1147	WHISLER	3.0	0.35	0.50	2.38	0.18	.6	7	0	"	"
907	5-26	1302 1312	WHISLER-MOON	3.0	0.40	0.48	2.39	0.19	.5	7	0	FC48	"
908	6-2	1200 1206	MOON	2.5	0.34	0.59	2.38	0.20	.5	6	0	"	"
909	6-9	1505 1508	"	1.0	0.14	1.00	2.38	0.14	.5	3	0	"	"
910	6-16	1155 1158	MOON-L LINDSAY	1.0	0.11	1.00	2.38	0.11	.5	3	0	"	"
911	6-23	1215 1218	MOON	1.0	0.06	1.33	2.36	0.08	.5	3	0	"	"
912	6-30	1050 1055	"	1.0	0.08	1.00	2.36	0.08	.5	3	0	"	"
913	7-7	1145 1150	HYDE	1.0	0.17	0.70	2.35	0.12	.5	4	0	"	"
914	7-14	1242 1246	"	1.0	0.22	0.36	2.35	0.08	.5	3	0	"	"
915	7-21	1115 1120	"	1.5	0.17	0.29	2.32	0.05	.5	4	0	"	"
916	7-28	1330 1333	MOON	1.4	0.11	0.36	2.32	0.04	.5	3	0	"	"
917	8-4	1237 1239	"	1.0	0.10	0.50	2.32	0.05	.5	3	0	"	"
918	8-11	1210 1214	HYDE	1.5	0.17	0.06	2.31	0.01	.5	4	0	"	"
919	8-18	1150 1153	"	1.5	0.14	0.07	2.32	0.01	.5	4	0	"	"
920	8-25	1300 1304	"	1.5	0.17	0.06	2.34	0.01	.5	5	0	"	"
921	9-8	1225 1228	DE MARS	0.6	0.02	0.48	2.33	0.01	.5	3	0	"	"
922	9-29	1345 1346	DE MARS-L LINDSAY	0.7	0.04	0.50	2.34	0.02	.5	3	0	"	"

DISCHARGE MEASUREMENTS OF TOPANGA CREEK  
above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 55

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INB.	METH. CD.	MEAN REC. NO.	S. MT. CHANGE TOTAL	METER NO.
860	10-6	1805 1808	MOON	0.60	0.12	0.33	2.32	0.04	.5	3	0	FC48	"
861	10-14	1345 1348	"	0.60	0.15	0.33	2.32	0.05	.5	3	0	"	"
862	10-20	1400 1403	"	0.60	0.15	0.27	2.32	0.04	.5	3	0	"	"
863	10-28	1500 1503	"	0.60	0.17	0.24	2.32	0.04	.5	3	0	"	"
864	11-4	1216 1220	"	0.60	0.16	0.31	2.34	0.05	.5	3	0	"	"
865	11-10	1245 1248	"	0.60	0.16	0.31	2.34	0.05	.5	3	0	"	"
866	11-12	1120 1150	"	2.00	0.57	0.44	2.42	0.25	.5	8	0	"	"
867	11-18	1312 1315	"	1.4	0.28	0.21	2.34	0.06	.5	3	0	"	"
868	11-24	1155 1200	"	1.4	0.27	0.22	2.34	0.06	.5	3	0	"	"
869	12-2	1300 1303	"	1.6	0.32	0.19	2.34	0.06	.5	3	0	"	"
870	12-3	2145 2155	SPELLMAN-MOON	2.0	0.76	0.67	2.43	0.51	.5	8	0	"	"
871	12-9	1135 1138	MOON	1.6	0.29	0.31	2.35	0.09	.5	3	0	"	"
872	12-15	1207 1217	"	1.8	0.41	0.29	2.33	0.12	.5	7	0	"	"
873	12-23	1240 1245	"	1.5	0.35	0.26	2.34	0.09	.5	6	0	"	"
874	12-30	1255 1300	"	1.8	0.35	0.20	2.34	0.07	.5	7	0	"	"
875	1-6	1157 1204	MOON-THOMAS	1.7	0.41	0.37	2.35	0.15	.5	7	0	FC29	"
876	1-10	0837 0852	SPELLMAN-MOON	29.5	19.4	1.52	3.22	29.4	.6	12	-07	FC29	"

TD74M Gb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F54B-R

Daily discharge, in second-feet of TOPANGA CREEK above Mouth of Canyon for the year ending September 30, 19 54

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.1	0.04	0.06	0.06	b 0.2	0.7	5.5	0.7	0.2	0.1	0.03	0.03
2	0.1	0.03	0.06	0.06	b 0.2	0.7	3.6	0.6	0.2	0.1	0.03	0.03
3	0.07	0.03	0.06	0.06	b 0.2	0.6	2.5	0.6	0.2	0.1	0.03	0.03
4	0.05	0.03	0.06	0.06	b 0.2	0.6	2.3	0.6	0.2	0.1	0.03	0.03
5	0.05	0.03	0.06	0.06	b 0.2	0.5	2.2	0.6	0.2	0.1	0.03	0.03
6	0.06	0.03	0.06	0.06	0.1	0.5	2.1	0.5	0.2	0.06	0.03	0.03
7	0.07	0.03	0.06	0.07	0.1	0.5	2.1	0.5	0.2	0.08	0.03	0.03
8	0.07	0.03	0.06	0.07	0.1	0.5	1.8	0.5	0.2	0.08	0.03	0.03
9	0.06	0.03	0.06	0.06	0.1	0.4	1.6	0.5	0.2	0.08	0.03	0.03
10	0.06	0.02	0.06	0.06	0.1	0.4	1.5	0.5	0.2	0.08	0.03	0.03
11	0.1	0.03	0.06	0.06	0.1	0.4	1.4	0.4	0.2	0.07	0.03	0.03
12	0.1	0.04	0.07	0.1	0.1	0.4	1.4	0.4	0.2	0.07	0.03	0.03
13	0.1	0.04	0.07	0.07	b 3.9	0.3	1.3	0.4	0.2	0.06	0.03	0.03
14	0.1	0.3	0.07	0.07	b 1.6	0.3	1.2	0.4	0.2	0.06	0.03	0.03
15	0.2	0.1	0.07	0.07	b 1.6	0.3	1.1	0.4	0.2	0.06	0.03	0.03
16	0.1	0.07	0.07	0.07	b 5.8	8.2	1.0	0.3	0.1	0.06	0.03	0.04
17	0.1	0.07	0.07	0.3	b 3.3	3.3	1.0	0.3	0.1	0.06	0.03	0.04
18	0.2	0.06	0.07	5.0	b 2.2	1.1	0.9	0.2	0.1	0.05	0.03	0.04
19	0.2	0.06	0.07	14	b 1.7	0.9	0.8	0.2	0.1	0.05	0.03	0.03
20	0.1	0.06	0.07	14	b 1.4	0.9	0.8	0.2	0.1	0.05	0.03	0.03
21	0.1	0.06	0.07	0.5	b 1.2	3.3	0.8	0.2	0.1	0.04	0.03	0
22	0.2	0.07	0.07	0.3	b 1.0	4.6	0.7	0.2	0.1	0.04	0.03	0.01
23	0.1	0.07	0.06	0.3	b 1.0	3.8	0.7	0.2	0.1	0.04	0.03	0.03
24	0.1	0.07	0.06	1.2	b 4.3	3.2	0.7	0.2	0.1	0.04	0.03	0.03
25	0.1	0.07	0.06	4.3	b 3.9	3.2	0.7	0.2	0.1	0.04	0.03	0.03
26	0.06	0.07	0.06	0.4	b 0.4	5.5	0.7	0.2	0.1	0.04	0.03	0.03
27	0.07	0.07	0.06	0.5	b 0.7	2.3	0.7	0.2	0.1	0.04	0.03	0.03
28	0.07	0.07	0.04	0.4	b 0.7	2.1	0.9	0.2	0.1	0.04	0.03	0.03
29	0.07	0.07	0.04	0.4	b 0.7	1.8	0.9	0.2	0.1	0.04	0.03	0.03
30	0.3	0.07	0.04	0.3	b 0.3	1.9	0.8	0.2	0.1	0.03	0.03	0.03
31	0.4	0.07	0.04	0.2	b 0.2	8.6	0.7	0.2	0.1	0.03	0.03	0.03
	3.05	1.82	1.99	130.24	524.3	193.2	43.5	10.9	4.5	1.87	0.93	0.86
MEAN	.098	.060	.064	4.20	18.7	6.23	1.45	0.35	0.15	0.060	0.030	.029
ACRE- FEET	6.0	3.6	3.9	258.	1040.	383.	86.	22.	8.9	3.7	1.8	1.7
Remarks:										YEAR OR PERIOD	MEAN ACRE-FEET	1820.

TD74M Gb 12-53

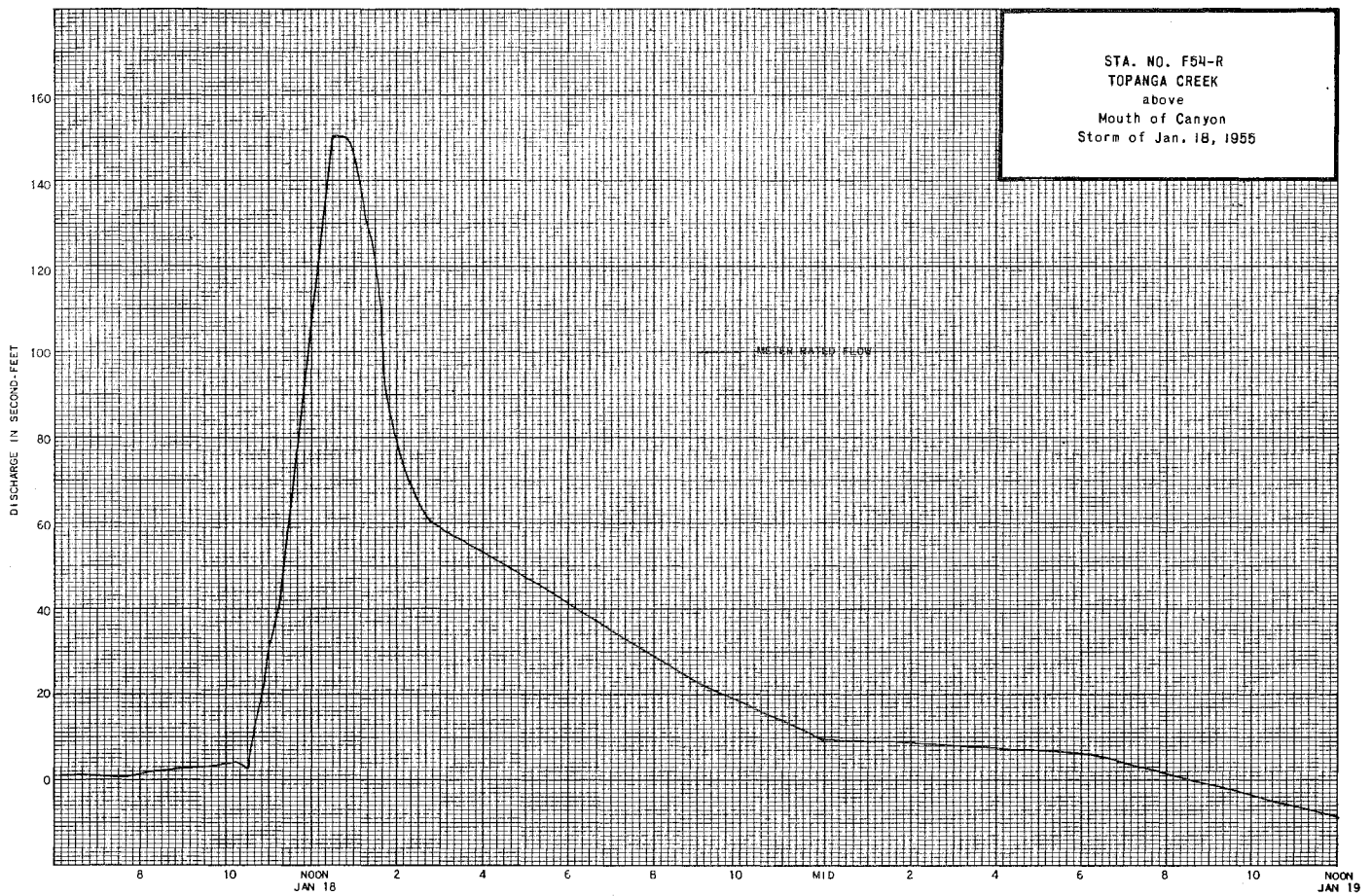
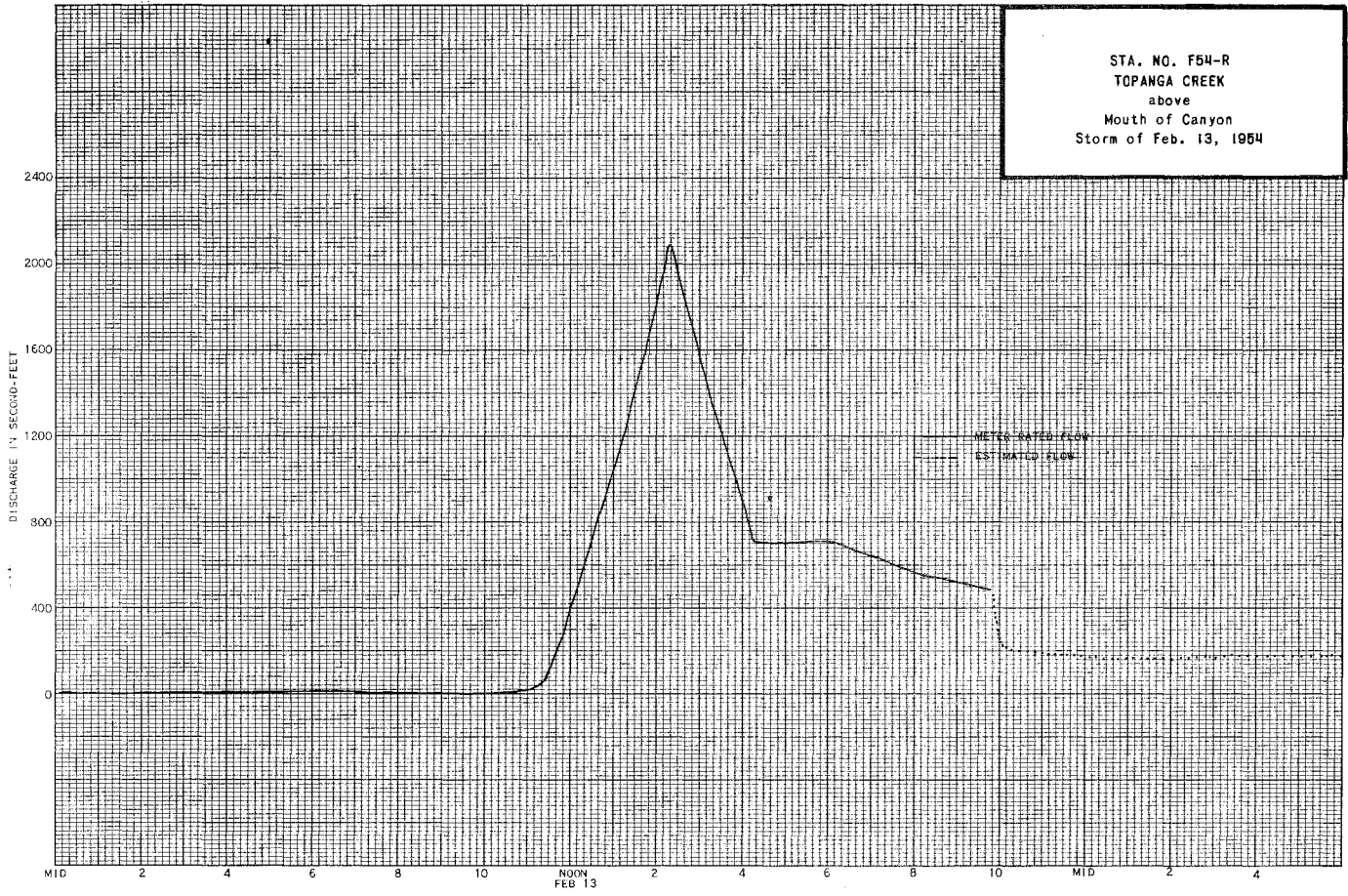
LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F54-R

Daily discharge, in second-feet of TOPANGA CREEK above Mouth of Canyon for the year ending September 30, 19 55

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.04	0.05	0.05	1.2	0.6	0.6	0.2	7.2	0.2	0.1	0.05	0.01
2	0.04	0.05	0.05	0.6	0.4	0.4	0.2	2.5	0.2	0.1	0.05	0.01
3	0.04	0.05	0.05	0.2	0.2	0.2	0.2	1.4	0.2	0.1	0.05	0.01
4	0.04	0.05	0.05	0.2	0.2	0.2	0.1	0.6	0.2	0.1	0.05	0.01
5	0.04	0.05	0.05	0.1	0.1	0.2	0.2	0.1	0.2	0.1	0.05	0.01
6	0.04	0.05	0.1	0.1	0.2	0.2	0.1	0.2	0.2	0.1	0.05	0.01
7	0.04	0.05	0.1	0.1	0.2	0.2	0.1	3.5	0.1	0.1	0.02	0.01
8	0.04	0.05	0.1	0.1	0.2	0.2	0.1	0.9	0.1	0.1	0.02	0.01
9	0.04	0.05	0.8	0.1	0.2	0.2	0.1	0.7	0.1	0.1	0.01	0.01
10	0.05	0.1	1.2	1.9	0.2	0.5	0.1	0.6	0.1	0.1	0.01	0.01
11	0.05	0.8	0.3	0.9	0.2	1.1	0.1	0.6	0.1	0.1	0.01	0.01
12	0.05	0.4	0.2	0.3	0.2	1.9	0.1	0.6	0.1	0.1	0.01	0.01
13	0.05	0.1	0.2	0.2	0.2	0.9	0.1	0.5	0.1	0.1	0.01	0.01
14	0.05	0.1	0.2	0.1	0.2	0.7	0.1	0.4	0.1	0.1	0.01	0.01
15	0.05	0.1	0.1	0.1	0.2	0.6	0.1	0.3	0.1	0.1	0.01	0.01
16	0.05	0.1	0.1	1.6	0.2	1.7	0.1	0.2	0.1	0.1	0.01	0.01
17	0.05	0.1	0.1	0.2	1.6	0.7	0.1	0.2	0.1	0.1	0.01	0.01
18	0.04	0.05	0.1	3.3	0.4	0.5	0.1	0.2	0.1	0.1	0.01	0.02
19	0.04	0.05	0.1	5.6	0.2	0.4	0.1	0.2	0.1	0.1	0.01	0.02
20	0.04	0.05	0.1	1.6	0.2	0.4	0.1	0.2	0.1	0.05	0.01	0.02
21	0.04	0.05	0.1	0.9	0.2	0.4	0.3	0.2	0.1	0.05	0.01	0.02
22	0.04	0.05	0.1	0.6	0.2	0.4	5.5	0.2	0.1	0.05	0.01	0.02
23	0.04	0.05	0.1	0.5	0.2	0.4	0.5	0.2	0.1	0.05	0.01	0.02
24	0.04	0.05	0.1	0.4	0.2	0.4	0.2	0.2	0.1	0.05	0.01	0.02
25	0.04	0.05	0.1	0.4	0.2	0.3	0.1	0.2	0.1	0.04	0.01	0.02
26	0.04	0.05	0.1	0.4	0.3	0.3	0.5	0.2	0.1	0.04	0.01	0.02
27	0.04	0.05	0.1	0.3	2.8	0.3	0.2	0.2	0.1	0.04	0.01	0.02
28	0.04	0.07	0.1	0.3	1.0	0.2	0.1	0.2	0.1	0.04	0.01	0.02
29	0.04	0.07	0.1	0.3	1.0	0.2	0.1	0.2	0.1	0.04	0.01	0.02
30	0.04	0.05	0.1	0.3	0.2	0.2	2.0	0.2	0.1	0.04	0.01	0.02
31	0.05	0.05	0.1	1.4	0.2	0.2	0.2	0.2	0.1	0.04	0.01	0.02
	1.33	2.89	5.50	71.3	11.4	24.7	29.8	24.5	3.6	2.43	0.54	0.43
MEAN	0.04	0.10	0.18	2.30	0.41	0.80	0.99	0.79	0.12	0.08	0.017	0.014
ACRE- FEET	2.6	5.7	11.	141.	23.	49.	59.	49.	7.1	4.8	1.1	0.9
Remarks:										YEAR OR PERIOD	MEAN ACRE-FEET	354.





STATION 264-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, 1936 OVER A RECTANGULAR 38-INCH X 48-INCH CONCRETE STILLING WELL. AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1953 TO SEPTEMBER 30, 1955.

REGULATION: FLOW PARTIALLY REGULATED BY VERDUGO AND OTHER DEBRIS BASINS.

RECORDS AVAILABLE: RECORDER RECORD FROM JANUARY 14, 1936 TO SEPTEMBER 30, 1955.

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, 464.76 FEET ABOVE MEAN SEA LEVEL.

DRAINAGE AREA: 22.4 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - RECTANGULAR CONCRETE, 86 FEET WIDE BY 11 FEET DEEP TO BOTTOM OF INVERT. INVERT IS 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, 1953 TO SEPTEMBER 30, 1955.

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, 1955. FOR EARLIER RECORDS, SEE STATION F9-R, VERDUGO AT GLEN OAKS BOULEVARD, AND F244-R, VERDUGO AT DON CARLOS STREET.

EXTREMES OF DISCHARGE:  
1953-54

MAXIMUM 1300 SECOND-FEET FEBRUARY 13.  
MINIMUM NO FLOW AT VARIOUS TIMES.

1954-55

MAXIMUM 764 SECOND-FEET JANUARY 18.  
MINIMUM NO FLOW AT VARIOUS TIMES.

1935-55

MAXIMUM 4,400 SECOND-FEET ESTIMATED MARCH 2, 1936.  
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 54

NO.	DATE	RESIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC.	RAISE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INR	METH. CO	MEAN REC. NO.	S. HY. CHANGE TOTAL	METER NO.
124	3-22	1310	LUCE	17.5	8.47	1.58	0.33	13.1	1.8	10	-02	FC41	
125	3-30	1340	LUCE-LE MAR	6.0	0.71	2.11	0.15	1.5	5	7	+01	"	

DISCHARGE MEASUREMENTS OF VERDUGO CHANNEL

AT Estelle Avenue DURING THE YEAR ENDING SEPTEMBER 30, 19 55

NO.	DATE	RESIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC.	RAISE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INR	METH. CO	MEAN REC. NO.	S. HY. CHANGE TOTAL	METER NO.
126	1-6	1300	LUCE-FRIEDRICH	39.0	11.7	11.4	0.52	133.	5	9	+01	FC41	
127	1-10	1192	"	5.5	0.64	5.31	0.19	3.4	5	11	-03	"	

FORM Gb 12-53

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT HYDRAULIC DIVISION

Sta. No. F252-R

Daily discharge, in second-feet of VERDUGO CHANNEL at Estelle Avenue for the year ending September 30, 19 55

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0.1	+	22	0.1	0.1	0	19.3	+	+	0.1	+
2	0	0.1	0.1	0.3	+	0.1	+	0.2	+	+	+	+
3	0	0.1	21	1.6	+	+	+	0.1	0.0	0.1	+	+
4	0	+	0.5	0.1	+	0.1	0.1	+	+	+	0.1	+
5	0	+	+	+	+	0.1	0.1	+	0.1	0.1	0.1	0.1
6	0	+	+	14.2	+	0.1	0.2	+	0.1	0.1	+	+
7	0	+	+	0.2	+	0.1	0.1	37	0.1	+	+	0.1
8	0	+	32	0.2	+	0.5	0.1	0.8	0.1	+	+	0.1
9	0	+	2.9	0.2	+	0.1	0.1	0.1	+	+	+	0.1
10	0	7.5	82	+	+	19.7	+	+	0.1	+	0.1	+
11	0	56	0.1	0.1	0.1	3.7	0.1	+	0.1	+	+	+
12	0	2.8	+	+	+	0.1	+	+	+	+	0.0	+
13	0	0.1	+	+	+	0.1	0.1	+	+	+	0.1	0.1
14	0	0.1	+	+	+	0.1	+	0.1	+	0.1	0.0	+
15	0	1.8	0.1	+	+	1.8	0.1	0.1	+	0.1	0.0	0.2
16	0.2	1.2	+	4.2	15.4	7.0	0.1	0	0.1	+	0.1	0.1
17	0.1	0.1	0	0.2	12.1	+	0.1	0	0.5	+	0.1	0.1
18	+	0.1	0	11.9	10.2	+	0.1	0	0.1	0.1	0.1	0.1
19	0.1	+	0	0.9	+	+	0.3	0	0.1	0.1	+	+
20	0	+	+	+	+	+	+	+	+	0.2	+	+
21	+	0.1	+	+	+	0.1	8.5	0.1	2.1	0.1	+	+
22	0.1	+	+	+	+	0.1	21	+	0.4	0.1	+	0.1
23	0.1	+	0.2	+	+	0.1	+	0	0.1	+	+	0.1
24	1.6	0.1	0	+	+	0.1	+	0	+	+	0.1	0
25	+	+	+	+	+	0.1	+	0	+	0.1	0	0
26	0.1	0.1	0	+	4.5	+	+	+	+	0.1	0.1	0
27	0.1	+	+	+	15.5	+	+	+	0.1	+	0.1	+
28	+	+	+	+	0.6	0.1	+	+	0.1	+	0.1	+
29	0.1	+	+	+	+	+	+	0.1	0.1	0	0	+
30	+	+	+	12.1	+	+	13.4	0.4	0.1	+	+	+
31	0.1	+	+	8.6	+	+	+	0.5	+	+	0	+
MEAN	0.84	2.41	1.83	9.79	1.73	1.10	5.50	1.86	0.15	0.04	0.03	0.04
ACRE- FEET	5.2	143.	113.	602.	96.	68.	327.	114.	9.1	2.4	1.8	2.4

Remarks: REMARKS: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN ACRES- FEET 2.05 1480.

FORM Gb 12-53

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT HYDRAULIC DIVISION

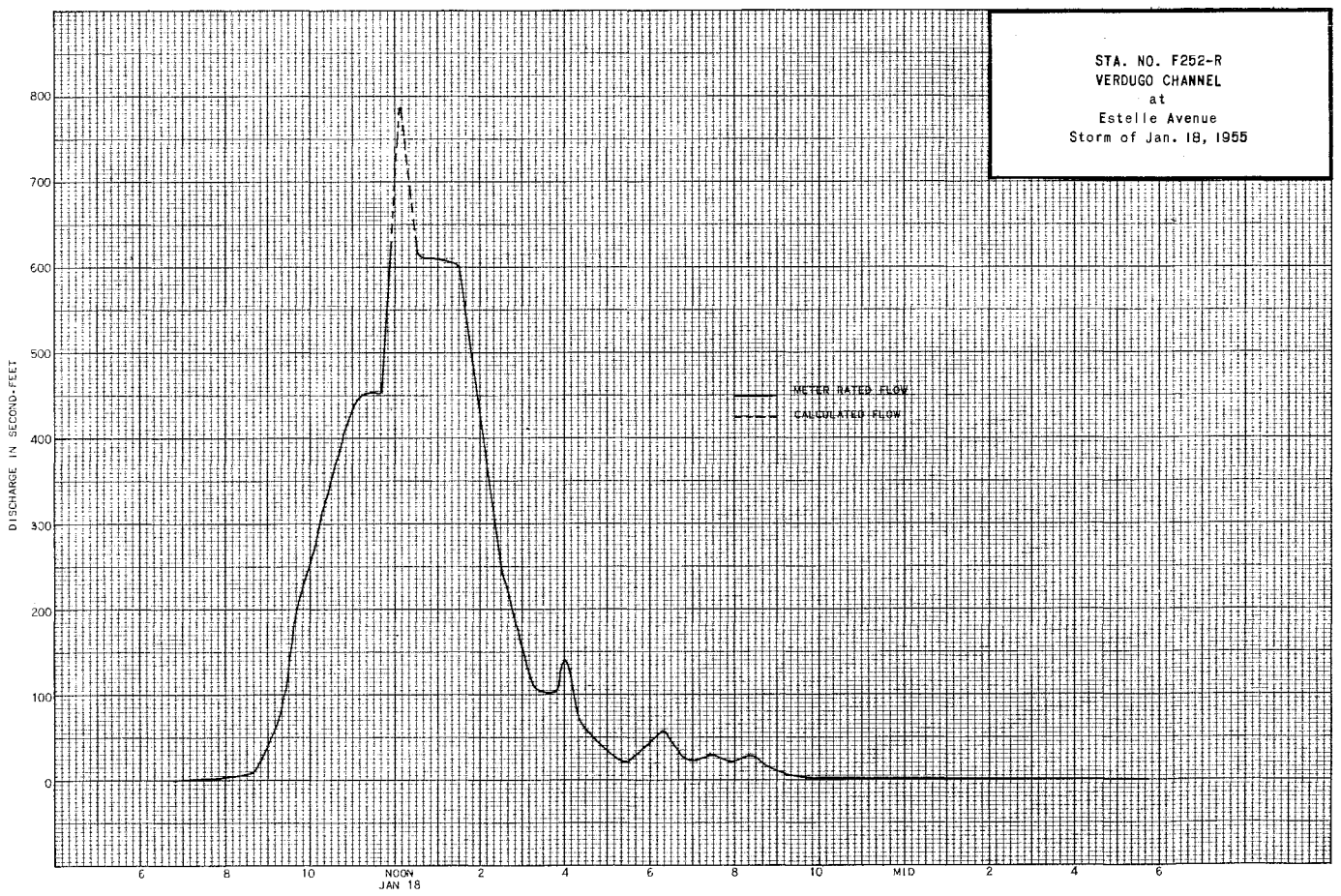
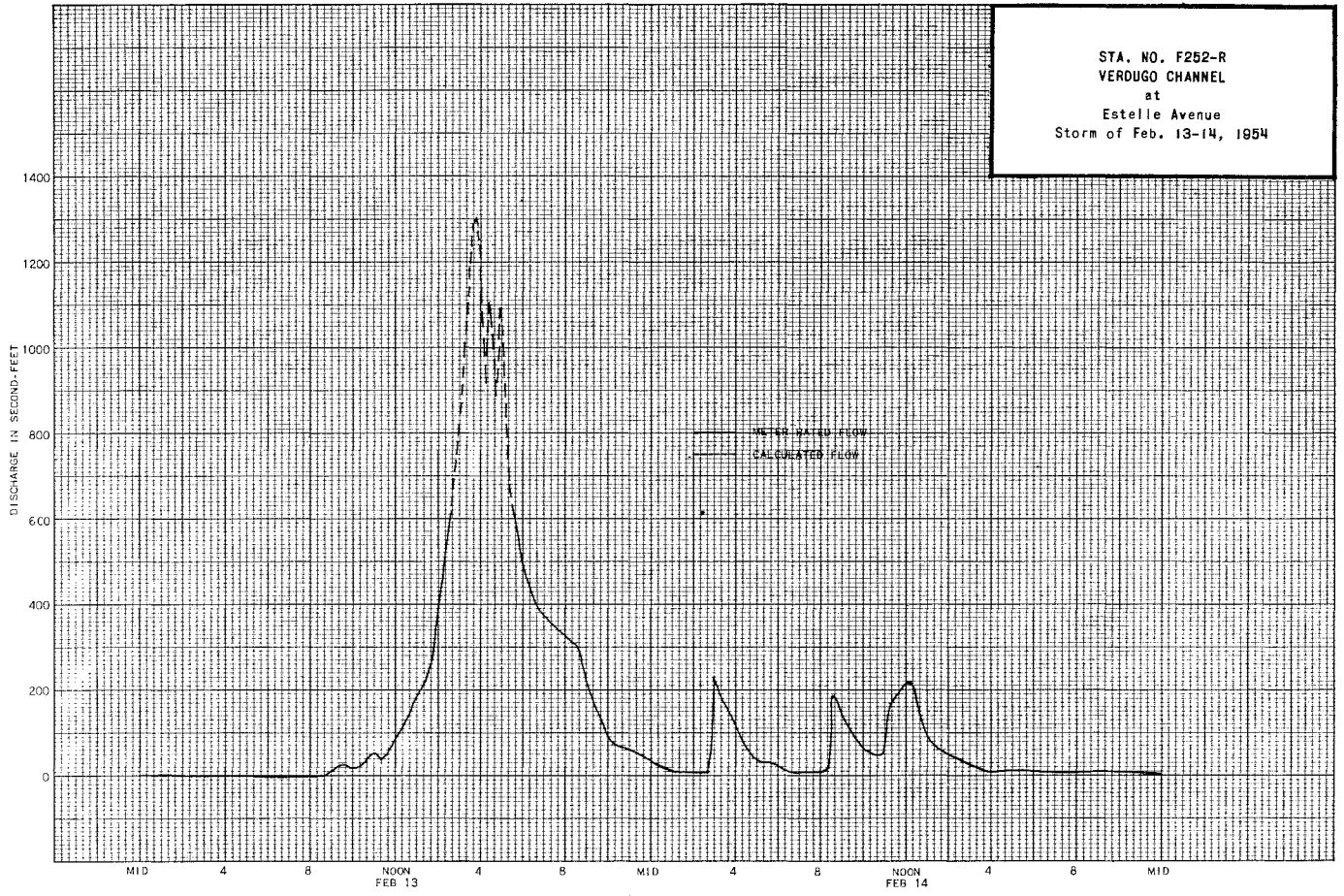
Sta. No. F252-R

Daily discharge, in second-feet of VERDUGO CHANNEL at Estelle Avenue for the year ending September 30, 19 54

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	+	0.3	0.1	+	+	0.1	+	0.1	0.1	0.1	+
2	+	+	+	+	+	+	+	+	0.1	0.1	0.1	+
3	+	+	0.3	+	0.1	+	+	0.1	0.1	0.1	0.1	+
4	+	+	5.7	+	+	+	+	0.1	0.1	0.1	0.2	+
5	+	0.8	+	+	0.1	0.1	+	+	0.1	0.1	0.1	+
6	+	+	+	0.1	+	+	0.1	+	0.1	0.1	0.1	+
7	+	+	+	0.1	+	+	0.1	0.1	+	+	0.1	+
8	+	+	+	0.1	+	0.1	0.1	0.1	+	0.1	0.1	0.1
9	+	+	+	+	+	0.1	0.1	0.6	+	0.1	0.1	0.1
10	+	+	0	+	+	0.1	0.1	+	+	0.1	0.1	+
11	+	0.1	+	+	0.1	0.1	0.1	0.1	0.1	0.1	+	+
12	+	0.1	+	18.9	0.1	0.3	0.1	0.3	0.1	0.1	+	+
13	+	0.1	+	0.5	22.7	+	0.1	0.1	0.1	0.1	+	0.1
14	+	3.9	+	+	4.7	+	0.1	0.1	+	+	+	0.1
15	+	0.9	0.1	0.1	0.2	+	0.1	0.5	+	0.1	+	0.1
16	+	+	0.1	0.1	0.2	4.8	0.1	0.1	+	0.1	+	+
17	+	+	0.1	1.6	1.3	6.3	0.1	0.3	+	0.1	+	+
18	+	+	+	9.0	3.0	0.1	0.1	0.1	+	+	+	+
19	+	+	+	17.7	0.8	0.1	0.1	0.1	0.1	+	+	+
20	+	+	+	13.9	0.1	4.1	0.1	0.1	+	0.1	+	+
21	0	+	+	0.5	+	3.0	0.1	0.1	0.2	0.1	+	+
22	+	+	+	0.1	+	13.3	0.1	0.1	0.1	0.1	+	+
23	0	+	+	0.1	0.1	0.2	0.2	0.1	0.1	0.2	+	+
24	0	+	+	12.5	0.1	2.1	0.1	0.2	0.1	0.2	+	+
25	+	+	+	7.1	+	4.4	0.1	0.1	0.1	0.1	+	+
26	+	+	0.5	0.1	0.1	0.2	+	0.7	0.1	0.1	+	+
27	+	0.2	+	0.2	+	0.1	0.6	0.1	0.1	0.1	+	+
28	+	0.1	+	0.1	+	+	2.7	0.1	0.1	0.1	+	+
29	+	+	0.1	0.1	+	11.4	0.1	0.2	0.1	0.2	+	+
30	+	0.1	+	0.1	+	5.5	0.1	0.1	0.1	0.1	+	+
31	+	+	0.1	0.1	+	0.1	0.1	0.1	0.1	0.1	+	+
MEAN	+	1.38	0.22	13.5	10.0	6.61	0.20	0.13	0.08	0.09	0.04	0.02
ACRE- FEET	+	82.	13.	830.	556.	406.	12.	8.1	4.8	5.6	2.2	1.0

Remarks: + = 0.05 cfs or less

YEAR OR PERIOD MEAN ACRES- FEET 2.66 1920.



STATION F304-R  
WALNUT CREEK at Puente Avenue

LOCATION: WATER-STAGE RECORDER, LAT 34°03'59", LONG. 117°57'57", ON THE LEFT (SOUTH) DOWNSTREAM WING WALL OF PUENTE AVENUE BRIDGE. ELEVATION OF ZERO GAGE HEIGHT 329.77 FEET ABOVE MEAN SEA LEVEL.

DRAINAGE AREA: 65.6 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - EARTH, SAND AND GRAVEL WITH PIPE AND WIRE PROTECTING EARTH LEVEES, NO ARTIFICIAL CONTROL.

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

RECORDER: INSTALLED OCTOBER 14, 1952 OVER AN 18-INCH DIAMETER CORRUGATED IRON PIPE STILLING WELL, AN H.C.F. RECORDER IN SERVICE FROM OCTOBER 1, 1953 TO SEPTEMBER 30, 1955.

REGULATION: FLOW PARTIALLY REGULATED BY SAN DIMAS DAM, PUDDINGSTONE DIVERSION DAM, PUDDINGSTONE DAM AND LIVE OAK DAM, IRRIGATION COMPANIES AT TIMES SPREAD SAN GABRIEL RIVER WATER FROM THE COVINA CANAL IN WALNUT CREEK.

DIVERSIONS: SEVERAL DIVERSIONS FOR IRRIGATION AND DOMESTIC USE.

RECORDS AVAILABLE: OCTOBER 14, 1952 TO SEPTEMBER 30, 1955. SEE STATION F47-4, WALNUT CREEK AT COVINA BOULEVARD, FOR PREVIOUS RECORDS.

REMARKS: ZONE I WATER IS DELIVERED TO WHITTIER NARROWS VIA PUDDINGSTONE DAM AND WALNUT CREEK, APPROXIMATELY 24,060 ACRE FEET OF ZONE I WATER IS INCLUDED IN THE RECORD DURING AUGUST AND SEPTEMBER, 1954 AND 20,700 ACRE- FEET DURING NOVEMBER AND DECEMBER, 1954. THIS IS FOREIGN WATER.

EXTREMES OF DISCHARGE:

1953-54  
MAXIMUM 1500 SECOND- FEET FEBRUARY 13,  
MINIMUM NO FLOW MOST OF YEAR.

1954-55  
MAXIMUM 732 SECOND- FEET JANUARY 18  
MINIMUM NO FLOW MOST OF YEAR.

1952-55  
MAXIMUM 1500 SECOND- FEET FEBRUARY 13, 1954,  
MINIMUM NO FLOW MOST OF EACH YEAR.

ACCURACY: GOOD.

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

DISCHARGE MEASUREMENTS OF WALNUT CREEK  
AT Puente Avenue DURING THE YEAR ENDING SEPTEMBER 30, 1954

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT- ING	METH- OD	HEAR- REC. NO.	D. CHARGE TOTAL	METER NO.
10	1-18	1925 1935	TREAT-LEVY	8.5	1.95	1.14	3.42	2.2	-6	9	0	FC45	
11	1-18	2100 2115	" "	40.0	17.3	1.97	3.70	34.2	+6	21	-04	"	
12	1-19	0425 0439	" "	44.0	32.7	3.21	3.92	105.	+6	15	+05	"	
13	1-19	0605 0615	" "	44.0	53.6	4.35	4.32	233.	+6	12	-05	"	
14	1-19	1720 1735	" "	46.1	73.	6.33	4.74	462.	+6	11	-12	"	
15	1-24	1035 1045	" "	38.0	10.8	1.39	3.49	15.0	+6	14	-02	"	
16	1-24	2000 2005	" "	41.0	22.2	2.51	3.75	55.8	+6	15	-01	"	
17	1-25	0000 0010	" "	44.0	37.0	3.68	4.02	136.	+6	16	0	"	
18	1-25	0350 0400	" "	48.0	94.6	6.68	5.28	632.	+6	11	-04	"	
19	2-13	1510 1520	TREAT-CANAVAN	45.1	79.2	6.41	4.82	508.	+6	11	+04	"	
20	2-13	1540 1550	" "	48.0	86.4	6.94	5.08	600.	+6	11	+05	"	
21	2-13	2155 2205	" "	43.2	42.5	4.40	4.30	187.	+6	10	-04	"	
22	3-16	2005 2055	TREAT-LEVY	43.0	33.2	2.92	3.95	97.0	+6	16	-06	"	
23	3-16	2305 2315	" "	20.0	5.72	1.35	3.48	7.7	+6	11	-03	"	
24	3-20	0723 0735	" "	42.0	27.2	2.76	3.84	75.0	+6	15	+06	"	
25	3-20	0755 0810	" "	42.0	24.0	2.65	3.85	63.6	+6	15	+02	"	
26	3-20	1148 1155	" "	42.5	34.6	3.61	4.05	125.	+6	16	-02	"	
27	3-20	1850 1855	" "	6.0	1.05	1.33	3.34	1.4	+6	7	0	"	
28	3-22	0320 0328	MIDDLETON	6.2	1.39	0.79	3.36	1.1	+6	7	0	FC26	
29	3-30	0210 0220	TREAT-LEVY	40.0	28.0	2.92	3.90	81.8	+6	15	+05	FC45	
30	3-30	0425 0435	" "	41.0	25.6	2.92	3.89	74.7	+6	15	-02	"	
31	8-7	0245 0305	STUNDEN-HYDE	47.0	23.3	2.39	3.90	55.8	+6	19	+01	FC12	
32	8-7	0515 0850	WADDICOR-SPELLMAN	47.5	41.5	3.40	4.27	141.	+6	19	+01	FC37	
33	8-7	1252 1315	WHISLER-DE MARS	44.5	38.6	3.58	4.34	138.	+6	16	+02	FC5	
34	8-8	0957 1029	WHISLER-HYDE	49.5	56.4	4.68	4.72	264.	+6	24	0	"	
35	8-8	1730 1800	HYDE-WHISLER	49.0	58.3	4.82	4.76	281.	+6	18	0	FC26	
36	8-9	1020 1055	WHISLER	49.8	56.3	5.00	4.81	282.	+6	22	0	"	
37	8-10	1225 1235	HYDE-MOON	50.0	57.0	4.51	4.90	257.	+6	22	0	FC35	
38	8-10	1514 1545	" "	50.0	58.7	4.55	4.94	267.	+6	20	0	"	
39	8-13	1625 1650	WHISLER-LINDSAY	49.0	60.1	4.72	4.96	284.	+6	19	0	FC5	
40	8-17	1036 1108	STUNDEN-GODFREY	49.0	58.3	4.67	4.87	272.	+6	21	0	FC36	
41	8-17	1118 1145	GODFREY-STUNDEN	49.0	60.4	4.69	4.87	283.	+6	28	0	"	
42	8-17	1177 1227	STUNDEN-GODFREY	50.0	60.1	4.64	4.87	279.	+6	28	0	"	
43	8-20	1040 1110	WHISLER	48.0	55.7	4.65	4.84	259.	+6	19	0	FC26	
44	8-23	1115 1140	HYDE-SPELLMAN	49.5	54.9	4.46	4.85	245.	+6	29	.01	FC35	
45	8-23	1150 1215	" "	49.5	54.8	4.52	4.86	248.	+6	28	+01	"	
46	8-27	1050 1125	WHISLER	49.5	56.1	4.31	4.85	242.	+6	18	0	FC26	
47	9-2	0812 0855	MIDDLETON	50.4	58.3	4.18	4.92	244.	+6	27	0	"	
48	9-2	0955 1037	" "	50.4	59.5	4.12	4.92	245.	+6	27	0	"	
49	9-7	0850 0920	HYDE-MOON	49.0	55.6	4.21	5.06	234.	+6	27	0	FC35	
50	9-7	0942 1005	" "	48.0	52.0	4.35	5.06	226.	+6	20	0	"	
51	9-7	1338 1358	" "	49.5	55.2	4.20	5.07	232.	+6	23	0	"	
52	9-7	1618 1636	" "	49.5	58.6	4.19	5.12	246.	+6	21	+02	"	
53	9-10	1438 1505	MIDDLETON-WHISLER	50.0	56.4	4.06	5.12	229.	+6	27	0	FC26	
54	9-10	1510 1545	" "	50.0	59.2	4.26	5.12	252.	+6	28	0	"	
55	9-16	1030 1108	MIDDLETON	50.0	54.6	4.21	5.06	230.	+6	28	0	"	
56	9-16	1150 1155	" "	50.0	56.2	4.15	5.06	233.	+6	28	0	"	
57	9-23	0815 0858	MIDDLETON	50.5	69.6	4.74	5.26	330.	+6	29	0	"	
58	9-23	0900 0940	" "	50.4	69.8	4.78	5.26	334.	+6	28	0	"	
59	9-24	1234 1309	WHISLER-VAN ALLEN	48.4	21.4	2.23	4.29	47.8	+6	27	0	FC5	
60	9-24	1310 1355	" "	48.4	21.2	2.14	4.29	45.3	+6	28	0	"	
61	9-25	1019 1057	MIDDLETON	TWO CHANNELS			4.05	12.7	+6	22	-02	FC26	

DISCHARGE MEASUREMENTS OF WALNUT CREEK  
 NEAR Puente Avenue DURING THE YEAR ENDING SEPTEMBER 30, 1955

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT- ING	METH- OD	MEAS. SEC. NO.	B. HT. CHANGE TOTAL	METER NO.
62	11-3	0740 0808	WADDICOR-JORDAN	48.5	25.3	2.80	4.43	70.8		.6	18	0	FC37
63	11-3	1016 1045	STUNDEN-VAN ALLEN	49.5	43.3	3.72	4.75	161.		.6	28	0	FC36
64	11-3	1051 1110	" "	49.5	42.7	3.70	4.76	158.		.6	18	0	"
65	11-3	1258 1327	MIDDLETON-GODFREY	49.5	56.9	4.16	5.02	237.		.6	28	0	FC26
66	11-3	1335 1423	" "	49.7	56.0	4.12	5.02	231.		.6	28	0	FC28
67	11-4	1105 1135	MIDDLETON-WHISLER	50.0	66.0	4.76	5.30	314.		.6	28	0	FC26
68	11-4	1208 1248	" "	50.0	63.6	4.95	5.30	315.		.6	29	0	"
69	11-8	1431 1507	" "	49.9	67.6	4.59	5.35	310.		.6	28	0	"
70	11-8	1525 1600	" "	49.9	65.7	4.69	5.35	308.		.6	29	0	"
71	11-9	0530 0550	WHISLER	49.6	28.4	3.02	4.59	85.9		.6	29	0	FC32
72	11-9	1433 1513	MIDDLETON	49.6	45.6	3.82	4.90	174.		.6	28	0	FC26
73	11-9	1520 1600	"	49.6	45.8	3.82	4.90	175.		.6	28	0	"
74	11-10	2140 2210	MIDDLETON-WHISLER	50.0	63.3	4.45	5.27	282.		.6	28	0	"
75	11-11	0048 0107	" "	50.0	41.0	3.56	4.84	146.		.6	28	0	"
76	11-11	0340 0390	TREAT-LEVY	45.5	28.0	2.42	4.56	67.7		.6	13	-.04	FC45
77	11-11	0535 0645	" "	49.0	64.7	4.79	5.18	310.		.6	13	+.06	"
78	11-11	1705 1710	MIDDLETON	3.8	0.91	1.32		1.2		.6	5	0	FC26
79	11-12	1415 1455	"	49.8	43.1	3.41	4.84	147.		.6	28	+.02	"
80	11-13	0910 0950	"	49.9	59.5	4.45	5.21	265.		.6	28	+.02	"
81	11-14	0945 1025	"	49.9	66.3	4.63	5.37	307.		.6	28	0	"
82	11-16	0850 1032	"	50.0	68.7	4.63	5.40	317.		.6	28	0	"
83	11-26	1405 1450	"	50.0	68.5	4.73	5.35	324.		.6	28	0	"
84	12-3	0940 1020	MIDDLETON	47.2	55.3	4.06	5.00	224.		.6	25	0	"
85	12-3	2000 2025	MIDDLETON-CANAVAN	46.0	53.7	3.92	4.90	211.		.6	-24	-.04	"
86	12-3	2240 2255	TREAT-LEVY	39.0	16.7	3.29	4.02	55.0		.6	17	-.04	FC45
87	12-4	0325 0345	MIDDLETON-CANAVAN	31.6	24.8	3.02	4.25	75.0		.6	19	+.01	FC26
88	12-4	0655 0722	" "	47.5	37.6	4.01	5.03	231.		.6	24	-.02	"
89	12-4	1157 1240	MIDDLETON	49.0	70.7	4.72	5.36	334.		.6	27	0	"
90	12-9	1348 1434	"	50.0	70.8	4.80	5.31	340.		.6	27	0	"
91	12-9	1933 1944	MIDDLETON-CANAVAN	47.0	57.9	4.11	4.94	238.		.6	22	0	"
92	12-12	0837 0839	WHISLER	21.0	11.6	2.28	3.66	26.4		.6	15	0	FC5
93	12-12	1157 1221	MIDDLETON	20.5	11.6	2.21	3.64	25.6		.6	19	0	FC26
94	1-1	2000 2015	MIDDLETON-TREAT	21.5	10.7	2.50	3.55	26.7		.6	13	-.04	"
95	1-6	1420 1432	MIDDLETON	8.5	3.33	0.87	3.21	2.9		.6	9	0	"
96	1-10	0805 0615	TREAT-LEVY	50.8	80.3	5.41	5.36	434.		.6	11	+.03	FC45
97	1-10	0835 0845	" "	47.0	56.6	4.17	4.82	236.		.6	14	-.05	"
98	1-10	0935 0955	MIDDLETON-WHISLER	45.0	38.6	3.76		145.		.6	24	0	FC26
99	1-10	1524 1534	" "	14.5	7.06	1.83	3.39	12.9		.6	15	-.02	"
100	1-11	1250 1300	" "	4.8	1.28	1.33	3.11	1.7		.6	9	0	"
101	1-16	0927 0943	" "	46.0	42.8	3.78	4.50	162.		.6	24	+.05	"
102	1-16	1347 1311	" "	16.0	9.35	1.98	3.42	18.5		.6	10	0	"
103	1-18	1105 1112	MIDDLETON-RASMUSSEN	13.5	7.13	1.50	3.33	10.7		.6	9	+.02	"
104	1-18	1236 1253	"	52.0	77.4	5.96	5.31	461.		.6	19	+.20	"
105	1-18	1455 1509	"	52.0	96.5	6.40	5.95	618.		.6	15	-.10	"
106	1-18	1640 1650	TREAT-LEVY	51.0	73.4	5.01	5.21	366.		.6	15	-.16	FC45
107	1-18	1807 1922	MIDDLETON-RASMUSSEN	45.0	31.2	2.70	4.37	84.2		.6	24	-.06	FC26
108	1-19	0930 0940	MIDDLETON	4.5	0.97	0.46	3.19	0.45		.6	9	0	"
109	2-17	0856 0906	"	4.1	1.43	0.62	3.27	0.89		.6	9	-.02	"
110	2-27	1100 1104	MIDDLETON-BARR	1.7	0.37	0.97	3.24	0.36		.6	5	+.01	"
111	2-27	1527 1540	" "	7.8	4.52	2.19	3.63	9.9		.6	14	-.04	"
112	3-11	0300 0314	" "	31.5	14.0	2.51	4.00	35.1		.6	16	-.06	"
113	4-22	0237 0300	" "	45.0	23.2	2.57	4.30	59.7		.6	24	-.03	FC54
114	4-30	1832 1842	MIDDLETON-TREAT	25.0	15.0	2.82	4.13	42.4		.6	14	+.26	"
115	4-30	2328 2332	" "	9.6	4.37	2.75	3.63	12.0		.6	8	-.04	"
116	5-1	1038 1058	MIDDLETON	6.0	1.91	0.79	3.27	1.5		.6	13	-.01	"
117	5-7	1002 1013	MIDDLETON-BARR	44.0	25.4	2.66	4.30	67.5		.6	17	-.03	"
118	5-7	1330 1343	" "	12.2	5.40	2.15	3.63	11.6		.6	13	-.02	"

FD-734 Cb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. F304-R

Daily discharge, in second-feet of WALNUT CREEK at Puente Avenue for the year ending September 30, 1954

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	24.2
2	0	0.0	0	0	0	0	0	0	0	0	0	24.2
3	0	0.0	0	0	0	0	0	0	0	0	0	23.6
4	0	0.0	0	0	0	0	0	0	0	0	0	22.7
5	0	0.0	0	0	0	0	0	0	0	0	0	22.4
6	0	0.0	0	0	0	0	0	0	0	0	0	22.2
7	0	0.0	0	0	0	0	0	0	0	0	1.9	24.2
8	0	0.0	0	0	0	0	0	0	0	0	11.2	24.7
9	0	0.0	0	0	0	0	0	0	0	0	23.4	24.2
10	0	0.0	0	0	0	0	0	0	0	0	22.9	23.9
11	0	0.0	0	0	0	0	0	0	0	0	23.7	23.9
12	0	0.0	0	0	0	0	0	0	0	0	23.4	23.7
13	0	0.0	0	0	28.4	0	0	0	0	0	23.8	23.6
14	0	2.8	0	0	1.1	0	0	0	0	0	23.2	23.5
15	0	0.0	0	0	0	0	0	0	0	0	23.9	23.4
16	0	0.0	0	0	0	0	0	0	0	0	23.7	23.3
17	0	0.0	0	0	0	0	0	0	0	0	23.7	23.3
18	0	0.0	0	4.5	0	3.0	0	0	0	0	23.7	25.4
19	0	0.0	0	10.3	0	0	0	0	0	0	23.7	27.4
20	0	0.0	0	0.2	0	0	0	0	0	0	23.5	26.8
21	0	0.0	0	0	0	0	0	0	0	0	23.2	27.4
22	1.0	0.0	0	0	0	0	0	0	0	0	23.9	27.4
23	0	0.0	0	0	0	0	0	0	0	0	23.3	24.4
24	0	0.0	0	0	0	0	0	0	0	0	23.3	24.4
25	0	0.0	0	4.0	0	0	0	0	0	0	23.3	6.1
26	0	0.0	0	12.4	0	0	0	0	0	0	24.7	13.4
27	0	0.0	0	0	0	0	0	0	0	0	24.4	0
28	0	0.0	0	0	0	0	0	0	0	0	24.4	0
29	0	0.0	0	0	0	0	0	0	0	0	24.4	0
30	0	0.0	0	0	0	0	0	0	0	0	24.4	0
31	0	0.0	0	0	0	2.0	0	0	0	0	24.2	0
	1.0	2.8	0	271.5	235.1	57.9	0	0	0	0	6415.9	5713.4
MEAN	0.03	0.09	0	8.76	10.2	1.87	0	0	0	0	207.	190.
ACRE-FOOT	2.0	5.6	0	539.	565.	115.	0	0	0	0	12730.	11330.

Remarks: + = 0.05 cfs or less

YEAR OR PERIOD MEAN ACRES-FOOT 34.9 25290.

FD-734 Cb 12-53

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

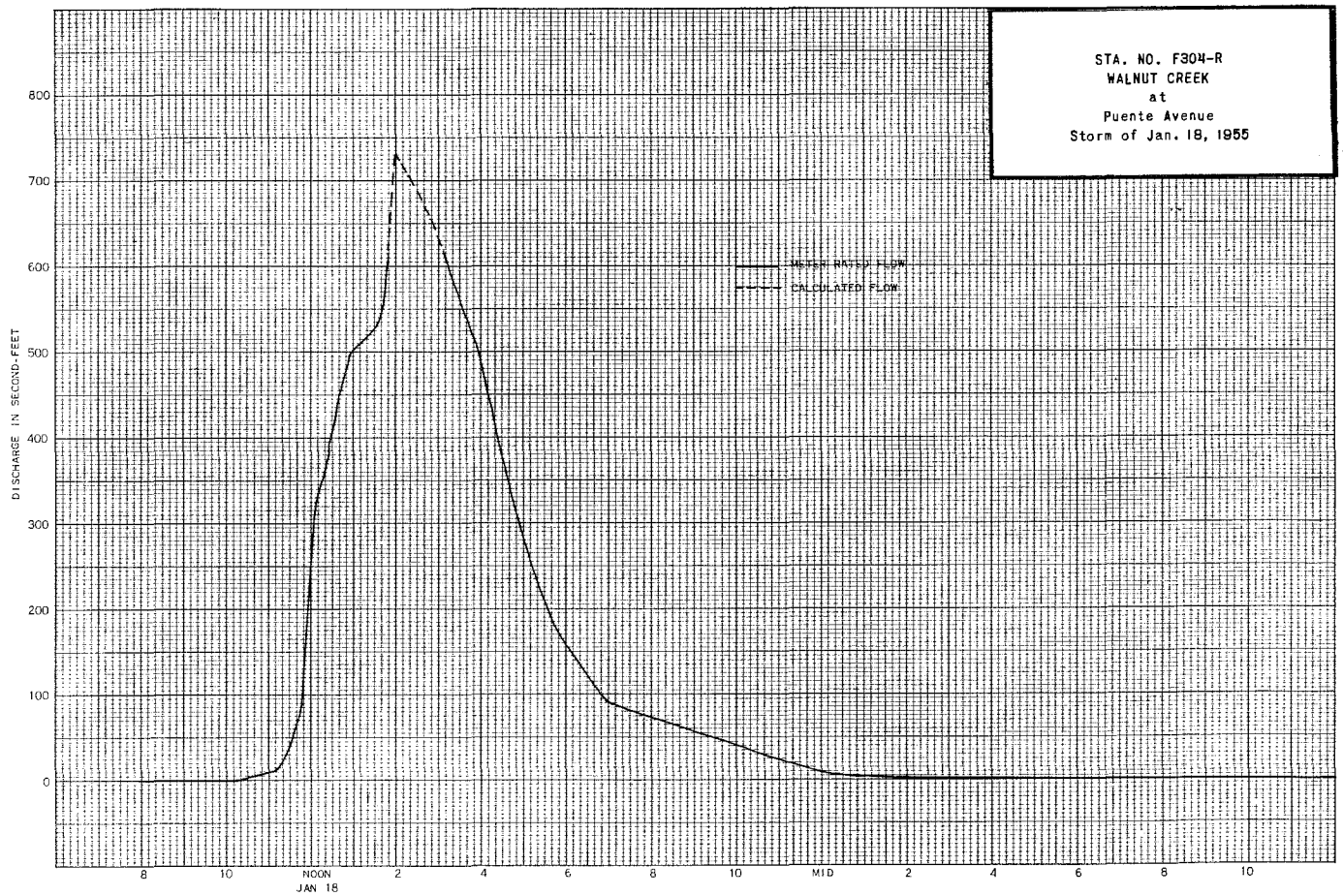
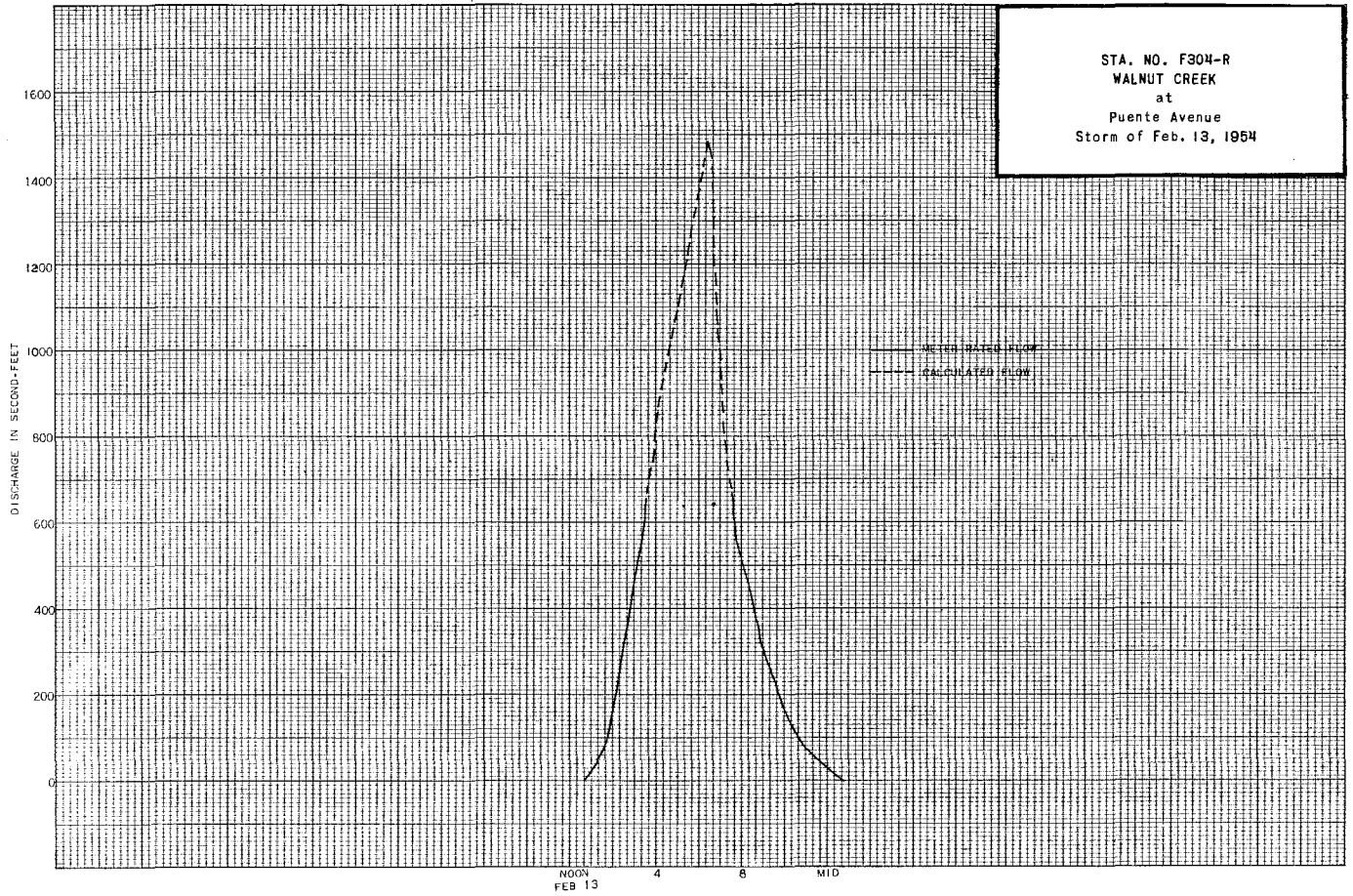
Sta. No. F304-R

Daily discharge, in second-feet of WALNUT CREEK at Puente Avenue for the year ending September 30, 1955

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	4.3	5.0	0	0	0	5.7	0	0	0	0
2	0	1.1	1.2	0.1	0	0	0	0	0	0	0	0
3	0	1.6	2.3	0	0	0	0	0	0	0	0	0
4	0	2.9	3.4	0	0	0	0	0	0	0	0	0
5	0	3.1	3.3	0	0	0	0	0	0	0	0	0
6	0	3.1	3.3	0	0	0	0	0	0	0	0	0
7	0	3.1	3.1	0.8	0	0	0	0	0	0	0	0
8	0	2.7	3.7	0	0	0	0	1.3	0	0	0	0
9	0	1.2	3.0	0	0	0	0	2	0	0	0	0
10	0	2.5	2.6	0	0	5.0	0	0	0	0	0	0
11	0	5.3	3.0	1.5	0	0	0	0	0	0	0	0
12	0	5.3	13.6	0	0	1.5	0	0	0	0	0	0
13	0	2.5	0	0	0	0	0	0	0	0	0	0
14	0	3.1	0	0	0	0	0	0	0	0	0	0
15	0	2.5	0	0	0	0	0	0	0	0	0	0
16	0	2.7	0	2.0	0	0	0	0	0	0	0	0
17	0	3.1	0	0	0	0	0	0	0	0	0	0
18	0	3.2	0	0	4.2	0	0	0	0	0	0	0
19	0	2.2	0	13.7	0	0	0	0	0	0	0	0
20	0	3.1	0	0.9	0	0	0	0	0	0	0	0
21	0	3.1	0	0	0	0	0	0	0	0	0	0
22	0	3.1	0	0	0	0	0	0	0	0	0	0
23	0	3.1	0	0	0	0	14	0	0	0	0	0
24	0	3.1	0	0	0	0	1.1	0	0	0	0	0
25	0	3.1	0	0	0	0	2	0	0	0	0	0
26	0	3.1	0	0	0	0	0	0	0	0	0	0
27	0	3.2	0	0	0	0	0	0	0	0	0	0
28	0	3.1	0	0	4.3	0	0	0	0	0	0	0
29	0	3.1	0	0	0	0	0	0	0	0	0	0
30	0	3.2	0	0	0	0	0	0	0	0	0	0
31	0	0	0	1.0	0	0	1.1	0	0	0	0	0
	0	2847.8	0	0	8.5	0	25.8	0	0	0	0	0
	7730.6	259.2	0	21.0	0	0	19.9	0	0	0	0	0
MEAN	0	258.	31.9	8.33	0.30	0.68	0.89	0.61	0	0	0	0
ACRE-FOOT	0	15330.	5650.	512.	16.9	41.7	53.2	37.5	0	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN ACRES-FOOT 29.9 21640.





STAFF STATION MEASUREMENTS

DISCHARGE MEASUREMENTS OF ARROYO SECO  
 AT NEAR Avenue #26 DURING THE YEAR ENDING SEPTEMBER 30, 1954

DISCHARGE MEASUREMENTS OF ARROYO SECO F68-S  
 AT NEAR Avenue 26 DURING THE YEAR ENDING SEPTEMBER 30, 1955

NO.	DATE	SECT. NO.	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. ING.	METH. NO.	HEAD SEC. FT.	D. CHANGK. TOTAL	METER NO.
281	10-1	1314 1320	LUCE	4.2	0.63	1.13		0.71	.5	7			FC41
282	10-8	1330 1338	"	5.0	0.66	1.30		0.86	.5	7			"
283	10-15	1450 1456	"	4.2	0.70	1.11		0.78	.5	7			"
284	10-21	1230 1236	"	5.6	1.00	0.94		0.94	.5	8			"
285	10-29	1440 1446	"	5.6	0.84	0.79		0.66	.5	7			"
286	11-5	1410 1416	"	7.2	0.81	1.07		0.87	.5	8			"
287	11-12	1330 1335	"	5.5	0.70	0.96		0.67	.5	7			"
288	11-19	1550 1557	"	4.8	0.66	1.06		0.69	.5	7			"
289	11-25	1400 1405	"	5.6	0.66	0.91		0.64	.5	7			"
290	12-3	1435 1441	"	4.6	0.67	1.15		0.77	.5	9			"
291	12-10	1330 1335	"	5.0	0.45	2.67		1.2	.5	8			"
292	12-17	1550 1556	"	4.6	0.71	1.11		0.79	.5	7			"
293	12-23	1400 1408	"	4.5	0.66	1.00		0.66	.5	8			FC43
294	1-7	1435 1440	"	3.5	0.52	0.94		0.49	.5	9			FC41
295	1-14	1345 1350	"	4.5	0.64	1.41		0.91	.5	7			"
296	1-21	1810 1816	"	6.5	1.11	1.72		1.9	.5	8			"
297	1-28	1445 1453	"	9.0	1.50	1.20		1.8	.5	10			"
298	2-4	1430 1436	"	6.8	1.13	1.42		1.6	.5	8			"
299	2-11	1400 1405	"	6.4	1.00	1.50		1.5	.5	8			"
300	2-18	1450 1457	"	8.0	1.45	1.66		2.4	.5	9			"
301	2-25	1016 1022	"	6.5	0.93	1.08		1.0	.5	8			"
302	3-4	1525 1531	"	7.1	1.07	1.31		1.4	.5	9			"
303	3-11	1659 1710	GODFREY	5.0	0.90	1.05		0.95	.5	8			FC28
304	3-18	1525 1530	LUCE	7.6	1.20	1.58		1.9	.5	10			FC41
305	3-25	1404 1410	"	8.0	1.63	1.84		3.0	.5	9			"
306	4-1	1503 1509	"	6.2	1.01	1.48		1.5	.6	7			"
307	4-8	1805 1810	"	5.2	0.92	1.52		1.4	.5	7			"
308	4-15	1520 1526	"	5.3	0.92	1.30		1.2	.5	7			"
309	4-22	1500 1508	"	5.5	0.96	1.46		1.4	.5	7			"
310	4-29	1445 1450	"	6.0	0.98	1.22		1.2	.5	8			"
311	5-6	1820	"	3.0			0.31	1.7			RECT. WEIR		
312	5-13	1330	"	3.0			0.27	1.4			"		"
313	5-20	1430	"	3.0			0.26	1.3			"		"
314	5-27	1540	"	3.0			0.30	1.6			"		"
315	6-3	1400	"	3.0			0.28	1.2			"		"
316	6-10	1515	"	3.0			0.24	1.2			"		"
317	6-17	1415	"	3.0			0.25	1.2			"		"
318	6-24	0900	DE MARS	3.0			0.26	1.3			"		"
319	7-1	1415	LUCE	3.0			0.23	1.1			"		"
320	7-8	1330	"	3.0			0.26	1.3			"		"
321	7-15	1445	"	3.0			0.26	1.3			"		"
322	7-22	1440	"	3.0			0.25	1.2			"		"
323	7-29	1330	"	3.0			0.27	1.4			"		"
324	8-5	0930	"	3.0			0.27	1.4			"		"
325	8-12	1040	"	3.0			0.26	1.3			"		"
326	8-19	0925	"	3.0			0.25	1.2			"		"
327	8-26	1240	"	3.0			0.24	1.2			"		"
328	9-2	1300	LUCE	3.0			0.26	1.3			"		"
329	9-8	1315	BLAKELY	3.0			0.24	1.3			"		"
330	9-16	0820	LUCE	3.0			0.24	1.2			"		"
331	9-23	0950	"	3.0			0.28	1.4			"		"
332	9-30	1115	"	3.0			0.26	1.3			"		"

NO.	DATE	SECT. NO.	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. ING.	METH. NO.	HEAD SEC. FT.	D. CHANGK. TOTAL	METER NO.
333	10-7	1445	LUCE	3.0			0.34	2.0			RECT. WEIR		
334	10-14	1440	"	3.0			0.33	1.9			"		"
335	10-21	1420	"	3.0			0.25	1.2			"		"
336	10-28	1420	LUCE-HYDE	3.0			0.22	1.0			"		"
337	11-4	1325	LUCE	3.0			0.25	1.2			"		"
338	11-26	1452 1456	"	6.0	1.03	0.97		1.0	.5	8			FC41
339	12-16	1340 1345	"	4.5	0.84	1.84		1.5	.5	7			"
340	12-23	1445 1450	"	4.5	0.70	1.37		0.96	.5	7			"
341	12-30	1325 1330	"	4.3	0.76	1.31		1.0	.5	8			"
342	1-7	1535 1522	"	6.0	1.02	1.27		1.3	.5	9			"
343	1-11	1408 1415	LUCE-FRIEDRICH	16.5	2.52	1.15		2.9	.5	11			"
344	1-13	1350 1358	LUCE	5.8	1.06	1.04		1.1	.5	8			"
345	1-20	1145 1150	"	5.8	1.34	1.57		2.1	.5	8			"
346	1-27	1512 1520	"	5.7	1.06	1.42		1.5	.5	8			"
347	2-3	1548 1550	"	6.0	1.06	1.13		1.2	.5	8			"
348	2-10	1645 1650	"	6.0	0.93	1.40		1.3	.5	7			"
349	2-17	1250 1256	"	5.9	1.17	1.60		1.9	.5	8			"
350	2-24	1454 1500	"	5.7	0.95	1.37		1.3	.5	8			"
351	3-3	1430 1435	"	5.8	0.87	1.38		1.2	.5	7			"
352	3-17	1512 1522	"	5.8	1.02	2.25		2.3	.5	9			"
353	3-24	1510 1515	"	5.7	0.86	1.51		1.3	.5	8			"
354	3-31	1405 1411	"	5.8	1.00	1.40		1.4	.5	8			"
355	4-14	1622 1630	"	6.3	0.84	1.31		1.1	.5	9			FC47
356	4-21	1435 1445	"	6.1	0.98	1.02		1.0	.5	8			FC41
357	4-28	1330 1345	"	6.5	0.97	1.24		1.2	.5	9			"
358	5-5	1300 1310	LUCE	5.8	0.78	1.28		1.0	.5	8			FC41
359	5-12	1310 1318	"	6.0	0.94	1.47		1.4	.5	8			"
360	5-19	0925 0946	DE MARS	5.8	0.76	1.32		1.0	.5	7			FC59
361	5-26	0850 0900	"	5.8	0.67	1.64		1.1	.5	7			"
362	6-2	1425 1433	HYDE	6.5	0.68	1.25		0.85	.5	6			"
363	6-9	1018 1030	GODFREY	8.3	1.20	1.17		1.4	.5	9			"
364	6-16	1518 1522	LUCE	6.2	0.88	1.36		1.2	.5	8			FC42
365	6-23	1430 1436	"	6.6	0.76	1.45		1.1	.5	8			"
366	6-30	1410 1415	"	5.7	0.78	1.28		1.0	.5	8			"
367	7-7	1405 1410	"	6.0	0.85	1.18		1.0	.5	8			"
368	7-14	1320 1326	"	6.4	0.76	1.07		0.81	.5	9			FC59
369	7-21	1500	"	3.0				1.2			RECT. WEIR		
370	7-28	1440	"	3.0				1.0			"		"
371	8-4	1600	"	3.0				1.1			"		"
372	8-11	1500	"	3.0				0.95			"		"
373	8-18	1510	"	3.0				0.89			"		"
374	8-25	1515	"	3.0				0.80			"		"
375	9-22	1532 1536	BLAKELY-SCOTT	2.7	0.68	1.41		0.96	.5	4			FC53
376	9-29	1427 1433	BLAKELY	3.5	0.76	0.74		0.96	.5	5			FC23

DISCHARGE MEASUREMENTS OF BANTA DITCH

DISCHARGE MEASUREMENTS OF BANTA DITCH													
AT HEAD OF PIPE LINE DURING THE YEAR ENDING SEPTEMBER 30, 1954													
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. DO.	MEAS. REC. NO.	S. HT. CHANGE TOTAL	METER NO.
849	10-1	1120	WADDICOR	3.0			0.43	2.8		RECT WEIR			
850	10-8	1115	"	3.0			0.32	1.8		"			
851	10-15	1045	"	3.0			0.42	2.7		"			
852	10-22	1115	"	3.0			0.41	2.6		"			
853	10-29	1040	"	3.0			0.40	2.5		"			
854	11-5	1115	"	3.0			0.40	2.5		"			
855	11-12	1015	"	3.0			0.52	3.7		"			
856	11-19	1100	"	3.0			0.92	8.8		"			
857	11-25	1045	"	3.0			0.15	0.58		"			
858	12-4	1100	"	3.0			0	0		"			
859	12-10	1110	"	3.0			0.68	5.6		"			
860	12-17	1128	"	3.0			0.58	4.4		"			
861	12-23	1125	"	3.0			0.52	3.7		"			
862	12-31	1100	"	6.0			0.32	3.6		"			
863	1-7	1100	"	3.0			0.46	3.1		"			
864	1-14	1114	"	3.0			0.30	1.6		"			
865	1-26	0945	"				0			"			
866	2-4	1125	"				0			"			
867	2-11	1130	"				0			"			
868	2-18	1110	"				0			"			
869	2-25	0920	"				0			"			
870	3-4	1100	"				0.64	5.1		RECT WEIR			
871	3-11	1105	"				0.56	4.2		"			
872	3-18	1045	"				0			"			
873	3-25	1015	WADDICOR				0			"			
874	4-1	1100	"	3.0			0.48	3.3		RECT WEIR			
875	4-8	1041	"	2.0			0.70	5.8		"			
876	4-15	1087	"	3.0			0.70	5.8		"			
877	4-22	1108	"	3.0			0.71	6.0		"			
878	4-29	1045	"	2.0			0.60	4.6		"			
879	5-6	1040	WADDICOR-DE MARS	6.0			0.60	9.3		"			
880	5-13	1000	WADDICOR-SPELLMAN	6.0			0.51	7.3		"			
881	5-20	1050	WADDICOR	3.0			0.73	6.2		"			
882	5-27	1050	"	3.0			0.60	4.6		"			
883	6-3	1041	"	3.0			0.78	6.6		"			
884	6-10	1045	"	3.0			0.50	7.1		"			
885	6-17	1045	"	3.0			0.60	4.6		"			
886	6-24	1100	WADDICOR-DE MARS	3.0			0.51	3.6		"			
887	7-1	1140	DE MARS	3.0			0.47	3.2		"			
888	7-8	1145	"	3.0			0.40	2.5		"			
889	7-15	1000	WADDICOR	3.0			0.34	2.0		"			
890	7-22	1052	"	3.0			0.29	1.6		"			
891	7-29	1050	"	3.0			0.36	2.2		"			
892	8-6	1030	DE MARS	3.0			0.22	1.0		"			
893	8-10	1411 1425	WADDICOR-DE MARS	9.4	4.48	1.25		5.6		-6 11		FC37	
894	8-10	1430	"	3.0			0.32	2.3		RECT WEIR			
895	8-11	1430	"	3.0			0.40	3.5		"			
896	8-12	1235	WADDICOR-SPELLMAN	3.0			0.45	4.0		"			
897	8-12	1427 1440	"	9.8	4.43	1.22		5.4		-5 -6 11		FC37	
898	8-14	1420 1447	WADDICOR	10.0	4.21	1.21		5.1		-6 11		"	
899	8-16	1428 1442	"	9.8	4.25	1.32		5.6		-6 11		"	
900	8-17	1428 1435	"	8.7	2.82	0.99		2.8		-6 10		"	
901	8-18	1515 1528	"	8.5	2.82	1.28		3.6		-6 10		"	
902	8-19	1410	"	3.0			0.32	2.8		RECT WEIR			
903	8-19	1535 1545	"	8.0	2.22	1.08		2.4		-6 9		FC37	
904	8-20	1409 1421	"	7.5	2.52	1.51		3.8		-6 9		"	
905	8-23	1519 1522	"	7.5	2.62	1.22		3.2		-6 9		"	
906	8-24	1422 1439	"	7.4	2.52	1.19		3.0		-6 9		"	
907	8-25	1442	"	3.0			0.60	4.6		RECT WEIR			
908	8-26	1100	"	3.0			0.60	4.6		"			

DISCHARGE MEASUREMENTS OF BANTA DITCH													
AT HEAD OF PIPE LINE DURING THE YEAR ENDING SEPTEMBER 30, 1955													
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. DO.	MEAS. REC. NO.	S. HT. CHANGE TOTAL	METER NO.
909	8-27	1030 1040	"	7.0	2.24	1.38		3.1		-6 8			FC37
910	8-30	1230	"	3.0			0.36	2.2		RECT WEIR			
911	9-2	1030 1045	"	5.8	1.69	1.30		2.2		-5 7			FC37
912	9-2	1550	"	3.0			0.32	1.8		RECT WEIR			
913	9-7	0650 0700	"	8.0	4.19	0.98		4.1		-6 7			FC37
914	9-8	1210 1220	"	7.4	3.88	1.21		4.7		-6 9			"
915	9-8	1550	"	3.0			0.55	4.1		RECT WEIR			
916	9-10	0815 0825	"	6.3	2.43	1.69		4.1		-6 8			FC37
917	9-13	0830 0840	"	7.7	1.99	1.02		2.1		-6 9			"
918	9-13	1510	"	3.0			0.44	2.9		RECT WEIR			
919	9-16	0835 0845	WADDICOR	12.0	21.9	0.59		12.9		-6 8			FC37
920	9-16	1550	"	3.0			0.76	6.6		RECT WEIR			
921	9-19	1205 1218	"	19.0	28.1	0.23		6.5		-6 11			FC37
922	9-21	1120 1132	"	18.8	42.2	2.51		10.6		-6 11			"
923	9-22	1128 1138	"	11.0	3.60	1.05		3.8		-6 9			"
924	9-24	1150	"	3.0			0.30	1.6		RECT WEIR			
925	9-24	1345	"	3.0			0.44	2.9		"			
926	9-27	1510	"	3.0			0.58	4.4		"			

DISCHARGE MEASUREMENTS OF BANTA DITCH

DISCHARGE MEASUREMENTS OF BANTA DITCH													
AT HEAD OF PIPE LINE DURING THE YEAR ENDING SEPTEMBER 30, 1955													
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. DO.	MEAS. REC. NO.	S. HT. CHANGE TOTAL	METER NO.
927	10-1	1115	WADDICOR	3.0				5.8		RECT WEIR			
928	10-7	1110	"	3.0				5.1		"			
929	10-14	1100	"	3.0				5.4		"			
930	10-21	1105	"	3.0				4.7		"			
931	10-28	1325	"	3.0				5.7		"			
932	11-4	1525	"	3.0				5.0		"			
933	11-8	1415	WADDICOR-GODFREY	3.0				5.3		"			
934	11-10	1322	"	3.0				2.7		"			
935	11-18	0730	WADDICOR					0		"			
936	11-24		"					0		"			
937	12-2	0930	"					0		"			
938	12-9	0920	"					0		"			
939	12-15	1035	"					0		"			
940	12-23	1040	"					0		"			
941	12-30	1030	"					0		"			
942	1-7	1600	"					0		"			
943	1-13	1030	"					0		"			
944	1-20	1047	"					0		"			
945	1-27	1030	"					0		"			
946	2-3	1123	DE MARS					0		"			
947	2-10	1030	WADDICOR					0		"			
948	2-16	1025	"					0		"			
949	2-24	1012	"					0		"			
950	3-3	1010	"					0		"			
951	3-10	1022	WADDICOR					0		"			
952	3-17	1005	"					0		"			
953	3-24	1008	"					0		"			
954	3-31	1055	"	3.0				7.3		RECT WEIR			
955	4-7	1033	"	3.0				4.4		"			
956	4-14	1050	"	3.0				5.1		"			
957	4-21	1100	"	3.0			0.54	4.0		"			
958	4-28	1115	"	3.0			0.52	3.8		"			
959	5-5	1500	"	3.0			0.57	4.3		"			
960	5-12	1100	"	3.0			0.11	0.36		"			
961	5-19	1100	"	3.0			0.82	7.4		"			
962	5-26	1105	"	3.0			0.58	6.9		"			

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT- ING	METH- OD	MEAS. REC. NO.	D. HT. CHANGE TOTAL	METER NO.
963	6-2	1122	WADDICOR-SADDORIS	3.0			0.40	5.6	"	"	"	"	"
964	6-9	1030	WADDICOR	3.0			0.52	3.7	"	"	"	"	"
965	6-16	1100	"	3.0			0.52	3.7	"	"	"	"	"
966	6-23	1120	"	3.0			0.50	3.5	"	"	"	"	"
967	6-30	1045	"	3.0			0.48	3.3	"	"	"	"	"
968	7-7	1000 1005	GODFREY	6.0				3.5	"	"	"	"	"
969	7-14	1325	"	3.0			0.37	2.2	"	"	"	"	"
970	7-21	1100	WADDICOR	3.0			0.32	1.8	"	"	"	"	"
971	7-28	1000	"	3.0			0.32	1.8	"	"	"	"	"
972	8-4	1022	"	3.0			0.27	1.4	"	"	"	"	"
973	8-11	1100	"	3.0			0.23	1.1	"	"	"	"	"
974	8-18	1050	"					0.3	EST.				
975	8-25	1045	"	3.0			0.24	1.2		RECT WEIR			
976	9-1	0945	"	3.0			0.20	0.89	"	"	"	"	"
977	9-8	1440	WADDICOR-SCOTT							EST.			
978	9-15	1102	WADDICOR					0.20	"				
979	9-22	1030	"	3.0			0.18	0.76	"	"	"	"	"
980	9-29	1045	"	3.0			0.25	1.2	"	"	"	"	"

DISCHARGE MEASUREMENTS OF BIG ROCK CREEK F171-S  
 AT NEAR Pearlblossom Highway, below Valyerno Diversion 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. REC. NO.	D. HT. CHANGE TOTAL	METER NO.
75	11-5	1340 1345	TURNER	2.4	0.67	0.33		0.22	.5	5			FC43
76	11-19	1420 1427	DE MARS-TURNER						.6	10			"
77	12-10	1250 1256	TURNER						.5	9			"
78	12-22	1350 1400	"						.5	7			"
79	1-21	1415 1425	"	10.9	3.37	1.78		6.0	.5	9			"
80	1-27	1435 1438	"	13.6	6.74	1.28		8.6	.6	9			"
81	2-3	1410 1420	"	13.4	6.75	1.19		8.0	.5	10			"
82	2-17	1325 1335	"	14.6	6.32	1.94		16.1	.6	9			"
83	2-25	1425 1435	"	13.5	7.02	1.77		12.4	.6	8			"
84	3-11	1315 1325	"	13.2	5.52	1.99		7.7	.5	8			"
85	3-18	1130 1130	"	13.2	5.54	1.65		9.2	.5	2			"
86	3-25	1350 1400	"	14.5	6.96	2.43		16.9	.6	8			"
87	4-8	1420 1430	"	17.0	11.7	2.54		27.7	.5	10			"
88	4-15	1345 1355	"	17.0	11.2	2.66		29.8	.5	10			"
89	4-22	1440 1450	"	17.0	10.6	2.08		22.1	.5	10			"
90	4-29	1333 1342	"	13.5	7.22	1.75		12.7	.5	8			"
91	5-13	1325 1335	"	13.0	5.45	1.64		8.4	.5	9			"
92	5-27	1322 1325	"	11.2	3.51	3.85		3.0	.5	8			"
93	6-10	1330 1340	HYDE-TURNER	9.5	2.24	0.67		1.5	.5	9			"
94	6-24	1415 1420	HYDE	1.0	0.08	1.12		0.09	.5	7			FC25
95	7-22	1410 1415	TURNER	1.2	0.18	1.28		0.23	.5	4			FC43
96	8-4	1400 1405	"	2.6	0.49	2.04		1.0	.5	5			"
97	8-19	1455 1500	"	1.2	0.12	1.17		0.14	.5	4			"

DISCHARGE MEASUREMENTS OF BIG ROCK CREEK F171-S  
 AT NEAR Pearlblossom Highway, below Valyerno Diversion DURING THE YEAR ENDING SEPTEMBER 30, 19 55

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. REC. NO.	D. HT. CHANGE TOTAL	METER NO.
98	11-17	1423 1430	DE MARS-VAN ALLEN	8.0	2.92	1.75		5.1	.5	9	0		FC34
99	11-26	1400 1412	HYDE	10.0	4.02	1.34		5.4	.6	8			FC35
100	12-2	1317 1331	"	11.0	4.20	1.24		5.2	.5	12			"
101	12-8	1526 1535	TURNER	9.8	3.36	1.96		6.6	.6	9			FC43
102	12-16	1505 1512	"	9.5	3.49	1.60		5.6	.5	8			"
103	12-23	1217 1225	"	10.1	3.57	1.60		5.7	.5	9			"
104	12-30	1335 1342	"	9.4	3.63	1.98		5.0	.5	9			"
105	1-7	1433 1430	"	10.0	3.94	1.50		5.9	.6	8			"

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT- ING	METH- OD	MEAS. REC. NO.	D. HT. CHANGE TOTAL	METER NO.
106	1-20	1255 1303	TURNER-WHISLER	12.0	4.71	1.68		7.9	.6	11			"
107	1-27	1330 1340	TURNER	11.2	4.78	1.82		8.7	.6	10			"
108	2-3	1410 1422	"	12.0	3.64	2.21		8.5	.6	9			"
109	2-10	1355 1405	"	11.0	4.11	1.90		7.8	.6	10			"
110	2-23	1400 1408	"	10.5	6.15	2.57		15.8	.5	8			"
111	3-1	1045 1055	"	9.6	5.88	2.30		13.5	.6	12			"
112	3-9	1457 1510	"	9.6	5.59	1.90		10.6	.6	11			"
113	3-17	1435 1445	"	10.0	5.74	2.23		12.8	.6	11			"
114	3-24	1435 1445	"	9.5	4.91	1.57		7.7	.5	11			FC60
115	4-1	1425 1437	"	10.0	5.52	1.79		9.9	.5	11			FC43
116	4-6	1440 1450	"	9.5	5.32	1.73		9.2	.6	11			"
117	4-13	1435 1445	"	8.0	4.09	1.64		6.7	.5	10			"
118	4-20	1420 1430	"	7.8	4.01	1.60		6.4	.5	9			"
119	4-27	1105 1115	"							TWO CHANNELS			
120	5-5	1405 1420	"								14.4		14
121	5-12	1440 1450	"								14.8		10
122	5-19	1350 1402	TURNER							TWO CHANNELS	12.4		10
123	5-26	1345 1350	"	11.5	4.91	1.14		5.6	.6	9			"
124	6-9	1348 1400	SADDORIS-TURNER							TWO CHANNELS	1.9		.5
125	6-23	1416 1425	TURNER	5.4	1.31	0.65		0.85	.5	7			FC60
126	7-7	1235 1240	SADDORIS	4.8	1.51	0.93		1.4	.6	6			FC40
127	7-21	1315 1320	TURNER	1.2	0.20	0.15		0.03		SURF			
128	8-4	1340 1340	"	0.9	0.07	0.43		0.03	.5	4			FC60
129	8-17	1338 1340	DE MARS-TURNER	0.6	0.24	0.42		0.01	.5	3			"

DISCHARGE MEASUREMENTS OF BIG ROCK CREEK F143-S  
 AT NEAR above Palette 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. REC. NO.	D. HT. CHANGE TOTAL	METER NO.
271	10-8	1330 1040	TURNER	7.0	1.90	0.78		1.4	.6	9			FC43
272	10-21	1420 1430	"	7.2	1.93	0.62		1.2	.5	10			"
273	11-5	1400 1500	"	6.8	1.98	0.66		1.3	.6	9			"
274	11-19	1325 1325	DE MARS-TURNER	10.0	4.02	0.75		3.0	.6	8			"
275	12-10	1420 1430	TURNER	4.2	2.67	0.64		1.7	.6	7			"
276	12-22	1455 1505	"	9.0	3.50	0.57		2.0	.6	8			"
277	1-6	1510 1520	"	8.8	3.21	0.51		1.6	.6	8			"
278	1-21	1535 1545	"	9.0	4.02	1.54		6.2	.6	8			"
279	1-27	1540 1540	"	7.6	2.91	1.10		3.2	.6	9			"
280	2-3	1535 1545	"	7.6	2.72	0.92		2.5	.6	9			"
281	2-17	1455 1505	"	10.5	4.66	2.64		12.3	.6	10			"
282	2-25	1535 1545	"							CHANNELS	12.1		.6
283	3-11	1505 1515	"	9.5	4.68	2.14		10.0	.6	8			"
284	3-18	1317 1320	"	10.8	4.76	2.48		11.8	.6	10			"
285	3-25	1515 1525	"	12.4	6.89	2.63		18.1	.6	10			"
286	4-8	1540 1552	"	25.0	11.5	2.85		32.8	.6	14			"
287	4-15	1500 1515	"							CHANNELS	31.8		.6
288	4-22	1310 1325	"								24.5		.6
289	4-29	1508 1515	"	18.6	6.66	2.19		14.6	.5	11			"
290	5-12	1450 1500	"	16.0	5.50	1.73		9.5	.6	10			"
291	5-27	1445 1455	TURNER	10.7	3.79	1.37		5.2	.5	10			"
292	6-10	1430 1430	TURNER-HYDE	12.8	3.94	1.12		4.4	.5	9			"
293	6-24	1520 1530	HYDE	11.0	3.37	1.07		3.6	.5	8			FC35
294	7-8	1433 1440	"	11.0	3.27	0.92		3.0	.5	8			"
295	7-22	1250 1300	TURNER	11.8	3.39	1.00		3.4	.5	10			FC43
296	8-4	1235 1235	"	11.6	3.41	1.11		3.8	.5	11			"
297	8-19	1310 1320	"	12.1	3.20	1.06		3.4	.5	10			"
298	9-8	1350 1400	"							CHANNELS	3.0		.5
299	9-24	1335 1341	"	5.0	1.68	1.50		2.5	.5	6			"

DISCHARGE MEASUREMENTS OF BIG ROCK CREEK F143-S

AT NEAR: above Palette Creek DURING THE YEAR ENDING SEPTEMBER 30, 19 55

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. CO.	MEAS. REC. NO.	D. HT. CHANGE TOTAL	METER NO.
300	10-7	1230 1240	TURNER	5.0	1.86	1.40		2.6	.6	6			FC43
301	10-21	1304 1310	"	5.0	1.74	1.49		2.6	.5	6			"
302	11-4	1430 1440	"	5.0	1.76	1.48		2.6	.5	6			"
303	11-17	1245 1255	DE MARS-VAN ALLEN	8.8	4.02	1.79		7.1	.5	11			FC34
304	11-26	1515 1525	HYDE	5.0	2.63	2.21		5.8	.5	7			FC35
305	12-2	1420 1432	"	6.0	3.38	2.22		7.5	.6	7			"
306	12-8	1625 1634	TURNER	10.4	4.30	1.98		8.5	.5	8			FC43
307	12-16	1523 1529	"	13.0	4.94	1.62		8.0	.5	9			"
308	12-23	1350 1400	"	9.2	3.83	1.80		6.9	.5	10			"
309	12-30	1235 1245	"	9.0	3.65	1.75		6.4	.5	10			"
310	1-7	1523 1540	"	8.6	4.13	1.71		7.1	.5	8			"
311	1-20	1403 1413	TURNER-WHISLER	9.5	5.29	2.08		11.0	.6	10			"
312	1-27	1445 1455	TURNER	9.5	4.71	2.38		11.2	.5	8			"
313	2-3	125 1300	"	10.0	5.34	2.53		13.5	.5	8			"
314	2-10	1535 1545	"	9.7	4.45	2.40		10.7	.5	9			"
315	2-17	1530 1540	"	19.0	10.4	3.29		34.2	.5	11			"
316	2-23	1528 1535	"	11.0	6.52	2.48		16.2	.5	10			"
317	3-1	1410 1423	HYDE-TURNER	10.2	6.46	2.37		15.3	.6	12			FC35
318	3-9	1650 1650	TURNER	11.0	5.82	2.22		12.9	.5	12			FC43
319	3-17	1016 1036	HYDE	11.4	6.41	2.42		15.6	.5	13			FC35
320	3-24	1600 1615	TURNER	10.0	5.78	1.76		10.2	.5	11			FC60
321	4-1	1205 1217	"	10.0	6.11	2.08		12.7	.5	11			FC43
322	4-6	1608 1620	"	10.0	5.76	1.86		10.7	.5	12			"
323	4-13	1523 1535	"	9.4	5.08	1.71		8.7	.5	11			"
324	4-20	1533 1545	TURNER	9.8	4.99	1.56		7.8	.5	11			FC43
325	4-27	1447 1500	"	11.6	5.27	1.65		8.7	.5	12			"
326	5-5	1520 1535	"	15.0	8.35	1.69		14.1	.5	11			"
327	5-12	1605 1620	"	16.5	10.5	1.40		14.7	.5	10			"
328	5-19	1523 1535	"	8.9	7.47	1.45		11.8	.6	10			"
329	5-26	1524 1534	"	TWO CHANNELS				8.4	.6	10			"
330	6-9	1520	SADDORIS-TURNER					3.4	V	NOTCH WEIR			
331	6-23	1530 1540	TURNER	4.0	1.86	1.29		2.4	.5	7			FC60
332	7-7	1420	SADDORIS	4.3	RECT. WEIR			2.6					
333	7-21	1435 1445	TURNER	10.8	4.95	0.48		2.2	.5	8			FC43
334	8-4	1435 1445	"	6.8	1.77	1.41		2.5	.8	9			FC60
335	8-17	1503 1512	"	6.2	1.59	1.32		2.1	.5	9			"
336	8-31	1500 1510	"	5.8	1.51	1.39		2.1	.5	7			"
337	9-14	1513 1522	WHISLER-TURNER	6.7	3.52	0.45		1.6	.6	8			"
338	9-29	1350 1358	HYDE	5.0	1.70	1.18		2.0	.5	7			FC35

DISCHARGE MEASUREMENTS OF BIG ROCK CREEK F295-S

AT NEAR: above Rising Water DURING THE YEAR ENDING SEPTEMBER 30, 19 55

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. CO.	MEAS. REC. NO.	D. HT. CHANGE TOTAL	METER NO.
67	11-17	1505 1510	DE MARS-VAN ALLEN	7.0	2.53	1.11		2.8	.5	8			FC34
68	11-26	1445 1455	HYDE	5.9	1.59	1.57		2.5	.5	7			FC35
69	12-2	1350 1400	"	7.5	2.50	1.64		4.1	.5	8			"
70	12-8	1555 1600	TURNER	10.0	3.50	1.49		5.2	.5	6			FC43
71	12-16	1535 1544	"	10.5	2.23	1.39		3.1	.5	7			"
72	12-23	1305 1315	"	9.0	2.35	1.49		3.5	.5	8			"
73	12-30	1304 1310	"	7.4	2.27	1.23		2.8	.5	8			"
74	1-7	1500 1508	TURNER-ROGERS	8.0	3.16	1.42		4.5	.5	7			"
75	1-20	1332 1340	"	10.0	3.78	1.72		6.5	.6	10			"
76	1-27	1415 1425	TURNER	11.6	3.65	1.73		6.3	.5	9			"
77	2-3	1333 1343	"	12.0	4.50	1.93		8.7	.5	9			"
78	2-10	1435 1445	"	11.0	3.20	2.12		6.8	.5	10			"
79	2-17	1445 1455	"	15.5	9.23	3.27		30.2	.5	11			"
80	2-23	1465 1475	"	12.4	5.94	2.07		12.3	.5	10			"
81	3-1	1202 1215	HYDE-TURNER	12.0	6.50	1.65		10.7	.5	14			"
82	3-9	1535 1547	TURNER	12.0	5.28	1.70		9.0	.5	13			"
83	3-17	1517 1525	"	12.4	6.37	1.71		10.9	.5	14			"
84	3-24	1517 1530	"	11.6	5.07	1.34		6.8	.5	13			FC60
85	4-1	1235 1245	"	12.0	5.80	1.67		9.7	.5	10			FC43
86	4-6	1517 1529	"	11.5	5.29	1.38		7.3	.5	13			"
87	4-13	1500 1510	"	9.0	3.96	1.21		4.8	.5	10			"
88	4-20	1455 1505	"	9.6	4.01	1.15		4.6	.5	11			"
89	4-27	1133 1145	"	12.0	4.63	1.38		6.4	.5	11			"
90	5-5	1427 1450	"	12.0	5.91	2.05		12.1	.5	12			"
91	5-12	1512 1525	TURNER	12.0	6.14	2.07		12.7	.5	10			FC43
92	5-19	1425 1437	"	11.4	5.63	1.62		9.2	.5	11			"
93	6-26	1430 1440	"	9.5	4.09	1.20		4.9	.5	9			"
94	6-9	1429 1436	SADDORIS-TURNER	6.2	3.32	0.45		1.5	.5	7			"
95	6-23	1444 1450	TURNER	4.8	2.06	0.12		0.25	.6	6			FC60
96	7-7	1310 1315	SADDORIS	1.2	0.26	0.65		0.17	.6	4			FC43

DISCHARGE MEASUREMENTS OF BIG ROCK CREEK F246-S

AT NEAR: above Rising Water DURING THE YEAR ENDING SEPTEMBER 30, 19 54

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. CO.	MEAS. REC. NO.	D. HT. CHANGE TOTAL	METER NO.
52	12-10	1320 1325	TURNER	2.4	0.39	0.87		0.34	.6	5			FC43
53	12-22	1417 1422	"	2.2	0.20	0.55		0.11	.5	5			"
54	1-21	1441 1450	"	9.9	2.86	1.19		3.4	.5	9			"
55	2-17	1350 1400	"	12.5	4.36	2.04		8.9	.5	7			"
56	2-25	1455 1505	"	9.0	4.43	1.76		7.8	.5	9			"
57	3-11	1415 1425	"	8.8	3.99	1.68		6.7	.5	11			"
58	3-18	1230 1240	"	9.0	3.89	1.85		7.2	.5	11			"
59	3-25	1420 1427	"	14.5	5.88	2.26		13.3	.5	9			"
60	4-8	1445 1455	"	17.6	9.30	2.82		26.2	.5	10			"
61	4-15	1422 1430	"	19.0	9.80	2.58		25.3	.5	11			"
62	4-22	1345 1355	"	18.0	7.88	2.56		20.2	.5	10			"
63	4-29	1415 1425	"	16.0	5.97	1.61		9.6	.6	10			"
64	5-13	1400 1410	"	15.0	4.64	1.47		6.8	.5	9			"
65	5-27	1400 1410	"	12.0	2.24	0.71		1.6	.5	7			"
66	6-10	1358 1403	"	2.9	0.92	0.43		0.40	.5	5			"

DISCHARGE MEASUREMENTS OF BIG ROCK CREEK F-133-S

AT NEAR: Palmdale - Victorville Road DURING THE YEAR ENDING SEPTEMBER 30, 19 54

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. CO.	MEAS. REC. NO.	D. HT. CHANGE TOTAL	METER NO.
51	2-17	1131 1137	TURNER	8.0	1.02	0.82		0.85	.5	6			FC43
52	2-25	1630 1635	"	2.8	0.45	0.82		0.37	.5	5			"
53	3-25	1250 1300	"	12.0	4.53	1.08		4.9	.5	8			"
54	4-1	1325 1355	"	12.0	6.98	1.64		11.5	.5	8			"
55	4-8	1310 1320	"	12.5	7.08	1.81		12.8	.5	8			"
56	4-15	1145 1155	"	12.0	6.39	1.75		11.2	.5	8			"
57	4-22	1150 1200	"	12.0	6.32	1.36		8.6	.5	9			"
58	4-29	1145 1155	"	11.0	4.14	0.83		2.6	.6	8			"

DISCHARGE MEASUREMENTS OF BIG ROCK CREEK F183-S  
AT NEAR Palmdale - Victorville Road DURING THE YEAR ENDING SEPTEMBER 30, 1955

DISCHARGE MEASUREMENTS OF COLD CREEK F61-S  
AT NEAR Crater Camp DURING THE YEAR ENDING SEPTEMBER 30, 1954

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAT. ING.	METH. OD	MEAS. REC. NO.	D. RT. CHANGE TOTAL	METER NO.
59	12-16	1400 1410	TURNER	12.4	2.86	0.63		1.8	.5	8			FC43
60	1-20	1042 1047	TURNER-WHISLER	6.5	2.66	0.83		2.2	.6	8			"
61	1-27	1127 1135	TURNER	12.0	1.79	1.17		2.1	.5	9			"
62	2-3	1540 1545	"	6.0	2.09	1.29		2.7	.5	6			"
63	2-10	1144 1150	"	4.6	1.67	1.14		1.9	.5	6			"
64	2-17	1315 1325	"	17.0	5.28	2.35		12.4	.5	10			"
65	2-23	1115 1205	"	12.0	3.90	2.10		8.2	.5	8			"
66	2-28	1345 1355	"	17.4	6.15	1.67		10.3	.5	12			"
67	3-9	1310 1320	"	11.6	5.34	1.40		7.5	.5	8			"
68	3-17	1340 1353	HYDE	11.0	4.52	1.68		7.6	.5	12			FC35
69	3-24	1240 1250	TURNER	11.3	3.12	1.06		3.3	.5	9			FC60
70	4-1	1520 1530	"	11.3	2.93	0.68		2.0	.5	8			FC43
71	4-6	1345 1355	"	9.9	3.83	1.02		3.9	.5	8			FC60
72	4-13	1250 1256	"	5.6	1.71	0.70		1.2	.5	8			"
73	4-20	1300 1305	"	5.0	2.40	1.04		2.5	.5	7			"
74	5-5	1240 1250	"	10.7	5.41	1.57		8.5	.5	8			FC43
75	5-12	1340 1346	"	7.5	2.91	1.06		3.1	.5	9			"
76	5-19	1140 1150	"	10.7	4.89	1.21		5.9	.5	8			"
77	5-26	1145 1150	"	3.6	0.56	0.39		0.22	.5	6			FC60

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAT. ING.	METH. OD	MEAS. REC. NO.	D. RT. CHANGE TOTAL	METER NO.
142	2-25	1500 1510	HYDE - SPELLMAN	3.5	0.79	1.39		0.90	.5	7			FC35
143	3-25	1130 1140	MOON	4.0	1.20	1.17		1.4	.5	5			FC29
144	3-31	1505 1515	MOON - SPELLMAN	10.5	3.65	0.88		3.2	.5	7			"
145	4-15	1530 1535	MOON	5.0	1.55	0.97		1.5	.5	6			"
146	4-22	1530 1535	"	4.0	1.20	0.83		1.0	.5	5			"
147	4-29	1525 1530	"	5.0	1.40	0.93		1.3	.5	6			"
148	5-6	1500 1506	HYDE	3.5	0.92	0.89		0.82	.5	5			FC35
149	5-20	1530 1535	"	3.0	0.71	0.79		0.56	.5	6			"
150	5-27	1325 1332	HYDE - BRILL	2.4	0.24	1.33		0.32	.5	5			"
151	6-10	1600 1605	MOON	2.0	0.47	0.89		0.42	.5	5			FC29
152	6-16	1530 1535	"	2.0	0.35	0.77		0.27	.5	5			FC48
153	6-23	1530 1535	"	1.8	0.32	0.66		0.21	.5	5			"
154	7-7	1550 1555	"	1.0	0.13	0.46		0.06	.5	3			"

DISCHARGE MEASUREMENTS OF BOUQUET CREEK F24-S  
AT NEAR 1.5 miles above Texas Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1954

DISCHARGE MEASUREMENTS OF COLD CREEK F61-S  
AT NEAR Crater Camp DURING THE YEAR ENDING SEPTEMBER 30, 1955

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAT. ING.	METH. OD	MEAS. REC. NO.	D. RT. CHANGE TOTAL	METER NO.
31	2-18	1130 1136	TURNER	3.0	0.66	0.83		0.55	.5	5			FC43
32	3-19	1030 1035	"	3.0	1.10	0.84		0.92	.6	5			"
33	3-31	1331 1337	"	5.5	1.52	0.86		1.3	.5	7			"
34	4-7	1254 1300	"	9.0	3.23	1.67		5.4	.5	6			"
35	4-14	1030 1040	"	13.5	6.68	0.88		5.9	.6	10			"
36	4-21	1137 1146	"	13.8	7.60	0.83		6.3	.6	10			"
37	4-28	1045 1055	"	14.0	8.37	0.75		6.3	.5	10			"
38	5-5	1060 1100	"	14.0	9.30	0.66		6.1	.6	10			"
39	5-12	1040 1050	"	14.0	9.16	0.63		5.8	.6	10			"
40	5-19	1140 1150	"	14.0	8.67	0.65		5.6	.6	11			"
41	5-26	0955 1010	TURNER-LINDSAY	14.0	6.87	0.86		5.9	.6	10			"
42	6-3	1045 1055	TURNER	14.0	8.66	0.69		6.0	.6	10			"
43	6-9	1005 1015	"	13.4	8.05	0.46		3.7	.6	10			"
44	6-17	1105 1115	HYDE-TURNER	12.5	4.79	0.75		3.6	.6	10			"
45	6-23	1125 1135	HYDE	12.0	5.44	0.62		3.4	.5	12			"
46	7-1	1100 1114	"	13.5	9.08	0.33		3.0	.6	12			"
47	7-6	1230 1247	"	15.0	9.37	0.33		3.1	.6	13			"

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAT. ING.	METH. OD	MEAS. REC. NO.	D. RT. CHANGE TOTAL	METER NO.
155	2-3	1510 1513	MOON	1.5	0.22	0.50		0.11	.5	3			FC48
156	2-10	1500 1505	"	2.0	0.15	0.60		0.09	.5	3			"
157	2-17	1400 1410	"	2.2	0.30	0.97		0.29	.5	6			"
158	2-23	1527 1530	"	1.4	0.12	0.75		0.09	.5	3			"
159	3-3	1510 1514	"	1.6	0.16	1.25		0.20	.5	3			"
160	3-10	1335 1338	"	2.0	0.20	0.75		0.15	.5	3			"
161	3-16	1630 1635	"	2.2	0.26	1.15		0.30	.5	3			"
162	3-24	1400 1402	"	2.0	0.15	1.00		0.15	.5	3			"
163	3-31	1020 1023	"	2.0	0.12	0.83		0.10	.5	3			FC23
164	4-7	1435 1438	"	2.0	0.10	0.90		0.09	.5	3			"
165	4-14	1500 1503	"	2.0	0.10	1.00		0.10	.5	3			"
166	4-22	1000 1010	SPELLMAN-MOON	5.0	0.92	1.30		1.2	.5	6			FC29
167	4-28	1540 1543	MOON	2.0	0.12	0.92		0.11	.5	3			FC48
168	5-26	1430 1435	WHISLER-MOON	3.0	0.44	0.61		0.27	.5	7			"
169	6-2	1455 1458	MOON	2.0	0.20	1.00		0.20	.5	3			"
170	6-9	1405 1408	"	1.5	0.11	1.27		0.14	.5	3			"
171	6-16	1505 1508	MOON-LINDSAY	1.5	0.19	0.63		0.12	.5	6			"
172	6-23	1440 1443	MOON	1.0	0.06	1.50		0.09	.5	3			"
173	6-30	1220 1222	"	1.0	0.07	1.00		0.07	.5	3			"
174	7-7	1548 1552	HYDE	0.8	0.08	0.88		0.07	.5	3			"

DISCHARGE MEASUREMENTS OF BOUQUET CREEK F294-S  
AT NEAR 1.5 Miles above Texas Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1955

DISCHARGE MEASUREMENTS OF ELIZABETH LAKE CREEK F141-S  
AT NEAR above Dry Gulch DURING THE YEAR ENDING SEPTEMBER 30, 1954

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAT. ING.	METH. OD	MEAS. REC. NO.	D. RT. CHANGE TOTAL	METER NO.
48	4-28	1020 1025	TURNER	1.5	0.36	1.06		0.38	.5	6			FC60
49	5-4	1044 1050	"	3.9	1.14	0.61		0.70	.5	7			"
50	5-13	0830 0835	"	2.6	0.84	0.62		0.52	.5	5			FC43
51	5-18	1150 1156	"	1.8	0.30	0.97		0.29	.5	5			FC60
52	5-25	1040 1045	"	4.0	0.83	0.87		0.72	.5	7			"
53	6-1	0900 0915	"	15.0	8.91	0.68		6.1	.6	9			FC43
54	6-8	1114 1121	SADDORIS-TURNER	11.7	3.02	1.72		5.2	.5	7			"
55	6-16	1042 1052	TURNER	8.8	4.12	1.36		5.6	.6	10			"
56	6-22	1010 1020	"	8.5	2.75	1.45		4.0	.5	7			"
57	6-29	1105 1115	"	7.8	2.76	1.74		4.8	.5	7			"
58	7-6	1235 1239	SADDORIS	10.4	3.36	1.76		5.9	.5	12			FC60
59	7-14	1135 1147	DE MARS	5.5	1.44	0.38		0.55	.5	7			FC34

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAT. ING.	METH. OD	MEAS. REC. NO.	D. RT. CHANGE TOTAL	METER NO.
217	1-20	1354 1400	TURNER-ROGERS	8.5	2.86	1.22		3.5	.5	7			FC43
218	1-28	1405 1415	TURNER	12.5	5.02	1.39		7.0	.6	8			"
219	2-4	1525 1535	"	7.4	2.80	0.93		2.6	.6	9			"
220	2-11	1010 1015	"	7.2	2.63	0.87		2.3	.6	9			"
221	2-18	1600 1610	"	12.4	5.84	2.11		12.3	.6	8			"
222	2-24	1456 1505	"	11.3	4.30	1.42		6.1	.6	8			"
223	3-3	1454 1500	"	8.4	3.39	0.94		3.2	.6	10			"
224	3-10	1355 1405	"	8.2	3.40	0.97		3.3	.6	10			"
225	3-19	1436 1445	"	10.6	3.42	1.20		4.1	.6	7			"
226	3-24	1410 1420	"	14.4	7.65	2.35		18.0	.6	9			"
227	3-31	1105 1115	"	13.4	6.83	2.25		15.4	.6	9			"
228	4-7	1030 1040	"	11.6	5.26	1.54		8.1	.6	8			"

DISCHARGE MEASUREMENTS OF LITTLE ROCK CREEK F126-S  
 WEIR below Little Rock Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 55

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. NO.	MEAS. REC. NO.	D. CHARGE TOTAL	METER NO.
229	4-14	1450 1500	"	11.0	3.33	1.11		3.7	.6	8		"	
230	4-21	1400 1410	"	8.4	2.73	1.10		3.0	.5	7		"	
231	4-28	1450 1500	"	9.1	3.25	1.23		4.0	.5	7		"	
232	5-5	1330 1340	"	7.4	2.29	0.66		1.5	.6	8		"	
233	5-12	1446 1455	"	4.4	1.65	0.57		0.94	.5	6		"	
234	5-19	1509 1515	"	4.2	1.33	0.36		0.48	.5	6		"	
235	5-26	1445 1452	TURNER-LINDSAY	3.4	0.93	0.22		0.20	.5	5		"	
236	6-3	1502 1505	TURNER	1.6	0.46	0.17		0.08	.5	4		"	

DISCHARGE MEASUREMENTS OF MILL CREEK F112-S  
 WEIR above Big Tujunga Creek DURING THE YEAR ENDING SEPTEMBER 30, 19 54

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. NO.	MEAS. REC. NO.	D. CHARGE TOTAL	METER NO.
6	5-17	1145 1200	TURNER	17.0	13.3	0.65		6.7	.6	10		FC43	

DISCHARGE MEASUREMENTS OF ELIZABETH LAKE CREEK F111B-S  
 WEIR above Dry Gulch DURING THE YEAR ENDING SEPTEMBER 30, 19 55

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. NO.	MEAS. REC. NO.	D. CHARGE TOTAL	METER NO.
237	1-19	1022 1028	TURNER-ROGERS	19.0	7.61	1.72		13.1	.8	11		FC43	
238	1-26	1343 1352	TURNER	8.9	3.59	0.95		3.4	.8	9		"	
239	2-2	1504 1510	"	8.0	3.04	0.89		2.7	.6	6		"	
240	2-9	1404 1410	"	7.5	3.00	0.73		2.2	.6	6		"	
241	2-16	1500 1510	"	7.4	2.56	0.78		2.0	.7	7		"	
242	2-24	1350 1403	"	8.0	3.06	0.75		2.3	.6	7		"	
243	3-3	1455 1505	"	CHANNELS				5.9	.8	8		"	
244	3-10	1430 1440	"	8.0	3.35	0.90		3.0	.7	7		"	
245	3-16	1355 1402	"	8.0	2.94	0.82		2.4	.6	7		"	
246	3-23	1350 1400	"	7.5	2.56	0.70		1.8	.8	10		FC60	
247	3-30	1316 1325	"	7.7	2.64	0.61		1.6	.9	9		"	
248	4-7	1410 1420	"	7.5	2.35	0.47		1.1	.9	9		"	
249	4-14	1535 1545	"	5.4	1.99	0.35		0.70	.8	8		"	
250	4-21	1505 1515	"	5.6	2.16	0.46		1.0	.8	8		"	
251	4-28	1430 1440	"	5.6	2.19	0.50		1.1	.8	8		"	
252	5-4	1345 1345	"	TWO CHANNELS				3.6	.6	10		"	
253	5-13	1410 1420	"	7.5	3.32	0.66		2.2	.8	10		FC43	
254	5-18	1440 1450	"	6.4	2.53	0.43		1.1	.9	9		FC60	
255	5-25	1450 1500	"	6.2	2.60	0.42		1.1	.9	9		"	
256	6-1	1455 1505	"	6.4	2.54	0.37		0.94	.9	9		FC43	
257	6-8	1440 1448	SADDORI S-TURNER	1.2	0.20	0.65		0.13	.5	5		FC60	
258	6-16	1440 1445	TURNER	1.2	0.19	0.74		0.14	.5	5		"	

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. IND.	METH. NO.	MEAS. REC. NO.	D. CHARGE TOTAL	METER NO.
542	11-12	1500 1506	BLAKELY	3.3	0.65	0.15		0.10	.5	5		FC53	
543	11-15	0958 1012	GODFREY-CUADRAZ	3.3	0.76	0.38		0.29	.6	7		FC28	
544	11-27	1342 1356	SPELLMAN-BLAKELY	3.2	0.77	0.40		0.31	.5	8		FC53	
545	12-3	1240 1246	BLAKELY	3.3	0.74	0.53		0.39	.5	8		"	
546	12-10	1310 1316	"	3.2	0.92	0.48		0.44	.5	6		"	
547	12-17	1215 1223	"	3.3	0.91	0.53		0.48	.5	5		"	
548	12-23	1317 1323	"	3.2	0.83	0.57		0.47	.5	5		"	
549	12-31	1507 1513	"	3.2	0.92	0.38		0.35	.5	5		"	
550	1-7	1342 1341	"	3.2	0.90	0.51		0.46	.5	5		"	
551	1-14	1356 1402	"	3.2	0.86	0.55		0.49	.5	5		"	
552	1-19	1220 1230	KASIMOFF-CUADRAZ	4.4	2.43	0.95		2.3	.6	8		FC47	
553	1-20	1305 1310	"	4.5	2.18	0.83		1.8	.6	8		"	
554	1-28	1410 1416	BLAKELY	5.5	1.44	0.90		1.3	.5	6		FC53	
555	2-4	1356 1356	"	4.6	1.10	1.00		1.1	.5	6		"	
556	2-11	1405 1413	"	4.6	1.14	0.96		1.1	.5	6		"	
557	2-14	1418 1426	KASIMOFF-CUADRAZ	6.8	4.30	1.26		5.4	.6	9		FC47	
558	2-18	1320 1328	BLAKELY	7.5	1.99	0.90		1.8	.5	8		FC53	
559	2-25	1415 1421	"	5.0	1.51	1.19		1.8	.5	6		"	
560	3-4	1041 1047	"	5.2	1.90	0.68		1.3	.5	6		"	
561	3-11	1042 1048	"	6.5	1.52	0.86		1.3	.5	7		"	
562	3-18	1040 1053	HYDE	5.0	1.86	0.97		1.8	.5	7		FC35	
563	3-25	1432 1450	GODFREY	5.0	1.71	1.34		2.3	.5	8		FC28	
564	4-1	0945 0958	HYDE	5.8	2.32	1.55		3.6	.5	7		FC53	
565	4-8	1110 1118	BLAKELY	6.3	2.14	1.12		2.4	.5	7		FC53	
566	4-15	1005 1011	BLAKELY	6.2	2.92	0.89		2.6	.6	6		FC53	
567	4-22	1050 1050	"	5.5	2.39	0.75		1.8	.5	6		"	
568	4-29	1205 1211	"	5.5	2.49	0.76		1.9	.6	6		FC24	
569	5-6	1046 1054	"	5.3	2.16	0.74		1.6	.6	6		"	
570	5-20	1234 1240	"	4.5	1.11	0.87		0.97	.5	6		FC53	
571	5-27	1319 1325	"	4.5	1.06	0.94		1.0	.5	6		"	
572	6-3	1248 1254	"	4.0	0.90	1.04		0.94	.5	5		"	
573	6-10	0920 0926	"	4.3	0.97	1.03		1.0	.5	5		"	
574	6-17	0930 0936	"	4.0	0.90	1.00		0.90	.5	5		"	
575	6-24	0901 0907	"	3.6	0.63	0.68		0.43	.5	5		"	
576	7-1	1055 1101	"	3.6	0.57	0.54		0.31	.5	5		"	
577	7-7	1027 1040	HYDE	3.3	0.47	0.51		0.24	.5	8		"	
578	7-15	1110 1116	"	3.0	0.45	0.56		0.25	.5	6		"	
579	7-22	0955 1005	DE MARS-HYDE	3.1	0.33	0.39		0.13	.5	8		"	
580	7-29	0930 0935	DE MARS	1.4	0.14	0.36		0.05	.5	5		"	
581	7-29	1025 1032	"	1.7	0.15	0.33		0.05	.5	5		"	
582	8-5	0850 0854	BLAKELY	1.5	0.15	0.60		0.09	.5	5		"	
583	8-26	1015 1020	HYDE	1.4	0.17	0.47		0.08	.5	5		"	
584	9-2	0950 0956	"	1.4	0.16	0.56	1.66	0.09	.5	6	0	"	

DISCHARGE MEASUREMENTS OF EVEY CREEK F296-S  
 WEIR above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 55

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. NO.	MEAS. REC. NO.	D. CHARGE TOTAL	METER NO.
47	5-19	1320	MIDDLETON				0.25	0.11	90°	"	"	NOTCH WEIR	
48	5-26	1300	"				0.27	0.10	"	"	"	"	
49	6-9	1335	"				0.28	0.11	"	"	"	"	
50	6-15	1040	STUNDEN				0.30	0.13	"	"	"	"	
51	6-22	1020	"				0.29	0.12	"	"	"	"	
52	6-30	1320	MIDDLETON				0.30	0.13	"	"	"	"	
53	7-7	1300	"				0.30	0.13	"	"	"	"	
54	7-21	1245	"				0.30	0.13	"	"	"	"	
55	7-28	1250	"				0.30	0.13	"	"	"	"	
56	8-4	1340	"				0.29	0.12	"	"	"	"	
57	8-11	1315	"				0.28	0.11	"	"	"	"	
58	8-11	1325	"				0.27	0.10	"	"	"	"	
59	8-18	1325	"				0.27	0.10	"	"	"	"	
60	8-25	1230	"				0.27	0.10	"	"	"	"	
61	9-8	1335	"				0.27	0.10	"	"	"	"	
62	9-15	1150	"				0.27	0.10	"	"	"	"	
63	9-22	1125	"				0.27	0.10	"	"	"	"	
64	9-29	1030	"				0.27	0.10	"	"	"	"	

DISCHARGE MEASUREMENTS OF MILL CREEK F112-S  
AT above Big Tujunga Creek DURING THE YEAR ENDING SEPTEMBER 30, 1955

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REG. FT.	RAT- ING	METH- OD	HEAR. REC. NO.	Q. HT. CHANGE TOTAL	METER NO.
585	10-28	1034 1040	BLAKELY	2.6	0.44	0.41		0.18	.5	6			FC53
586	11-4	1058 1104	"	3.0	0.55	0.47		0.26	.5	7			"
587	11-10	1150 1186	"	2.7	0.48	0.42		0.20	.5	6			"
588	11-17	1200 1206	"	3.0	0.58	0.45		0.26	.5	7			"
589	11-24	1030 1036	"	3.0	0.52	0.48		0.24	.5	7			"
590	12-1	0904 0908	"	2.7	0.40	0.90		0.36	.5	7			"
591	12-8	1125 1131	"	2.7	0.42	1.00		0.42	.5	6			"
592	12-15	1021 1029	"	2.8	0.46	1.17		0.54	.5	7			"
593	12-22	1120	"	3.0	0.48	1.00		0.48	.5	7			"
594	12-29	0907 0913	"	3.0	0.50	0.88		0.44	.5	7			"
595	1-5	1205 1211	"	2.8	0.46	1.11	1.81	0.51	.5	7			"
596	1-12	1113 1119	"	3.0	0.62	1.24	1.83	0.77	.5	7			"
597	1-19	1219 1223	GODFREY-CROKE	3.1	0.87	1.26	1.92	1.1	.5	7			FC53
598	1-26	1250	BLAKELY	3.0	0.66	1.36	1.84	0.90	.5	7			"
599	2-2	1010 1016	"	3.1	0.61	1.15		0.70	.5	7			"
600	2-9	0954 1000	BLAKELY	3.1	0.60	1.18		0.71	.5	7			"
601	2-16	1105 1111	"	3.1	0.61	1.00		0.61	.5	7			FC24
602	2-23	0945 0951	"	3.2	0.63	1.25		0.79	.5	7			FC53
603	3-2	1018 1025	"	3.3	0.69	1.23		0.85	.5	7			"
604	3-9	0940 0946	"	3.3	0.63	1.17		0.74	.5	8			"
605	3-16	1054 1100	BLAKELY-LEE	3.3	0.66	1.33		0.88	.5	7			"
606	3-23	1014 1020	BLAKELY	3.3	0.63	1.19		0.75	.5	7			"
607	3-31	1000 1010	HYDE	3.1	0.56	0.96		0.54	.5	7			"
608	4-6	1102 1108	BLAKELY	3.2	0.58	0.90		0.52	.5	7			"
609	4-13	0912 0918	BLAKELY	3.4	0.63	0.75		0.47	.5	7			"
610	4-20	0934 0940	"	3.4	0.63	0.76		0.48	.5	7			"
611	4-27	1312 1318	"	3.5	0.66	0.79		0.52	.5	8			"
612	5-4	1518 1524	"	3.5	1.10	1.00		1.1	.5	7			"
613	5-11	1445 1450	HYDE	3.6	0.68	0.72		0.49	.5	6			"
614	5-18	1100 1110	"	3.5	0.56	0.66		0.37	.5	7			"
615	5-25	1042 1050	BLAKELY	3.4	0.58	0.65		0.38	.5	8			"
616	6-1	0915 0921	"	3.4	0.60	0.68		0.41	.5	8			"
617	6-8	0915 0921	"	3.3	0.43	0.44		0.19	.5	8			"
618	6-15	0915 0921	"	3.3	0.54	0.56		0.30	.5	8			"
619	6-23	0912 0917	SADDORIS-BLAKELY	0.9	0.13	0.69		0.09	.5	6			"
620	6-30	0912 0916	BLAKELY	1.1	0.24	0.75		0.18	.5	4			"
621	7-7	1125 1131	"	1.1	0.19	0.42		0.08	.5	5			"
622	7-14	0910 0914	"	1.1	0.16	0.31		0.05	.5	5			"
623	7-28	0858 0902	"	1.0	0.07	0.14		0.01	.5	3			"

DISCHARGE MEASUREMENTS OF MISSION CREEK F316-C  
AT 20' below 30" Pipe thru F.C. Levee DURING THE YEAR ENDING SEPTEMBER 30, 1954

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REG. FT.	RAT- ING	METH- OD	HEAR. REC. NO.	Q. HT. CHANGE TOTAL	METER NO.
1	7-29	1040 1059	WADDICOR	5.1	1.58	1.33		2.1	.6	11			FC52
2	8-9	0925 0935	WADDICOR-DE MARS	6.3	2.14	1.17		2.5	.6	8			FC37
3	8-10	1052 1058	"	6.3	1.94	1.18		2.3	.6	8			"
4	8-11	1027 1034	"	6.3	2.15	1.21		2.6	.6	8			"
5	8-12	1020 1030	SPELLMAN	6.4	2.07	1.21		2.5	.5	8			"
6	8-13	1050 1100	"	7.3	2.75	1.05		2.9	.5	9			"
7	8-16	1022 1032	WADDICOR	6.8	2.17	1.15		2.5	.6	8			"
8	8-17	1020 1032	"	6.7	2.37	1.14		2.7	.6	8			"
9	8-18	0930 0940	"	6.7	2.46	1.10		2.7	.6	9			"
10	8-19	0959 1012	"	7.0	2.53	1.11		2.8	.6	9			"
11	8-20	1028 1038	"	6.7	2.46	1.03	4.21	2.5	.5	8			"
12	8-23	0820 0850	"	6.7	2.42	1.08	4.18	2.6	.6	8			"
13	8-24	0840 0850	"	6.7	2.40	1.04	4.18	2.5	.6	8			"
14	8-25	0745 0755	"	6.8	2.40	1.04	4.18	2.5	.5	8			"
15	8-27	0856 0908	"	6.9	2.27	1.10	4.19	2.5	.6	8			"

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REG. FT.	RAT- ING	METH- OD	HEAR. REC. NO.	Q. HT. CHANGE TOTAL	METER NO.
16	9-2	0901 0814	"	7.7	3.01	1.19	4.21	3.6	.5	9			"
17	9-15	1005 1017	"	8.5	3.40	1.00	3.89	3.4	.5	6			"
18	9-19	1047 1057	"	7.3	3.34	1.15	3.93	3.8	.6	9			"
19	9-21	0932 0943	"	7.7	3.52	1.12	3.94	4.0	.6	9			"
20	9-22	0855 1005	"	7.1	2.99	1.15	3.89	3.4	.6	8			"
21	9-23	1020 1030	"	6.9	2.98	1.07	3.88	3.2	.6	9			"

DISCHARGE MEASUREMENTS OF MISSION CREEK F316-S  
AT 20' below 30" Pipe through F. C. Levee DURING THE YEAR ENDING SEPTEMBER 30, 1955

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REG. FT.	RAT- ING	METH- OD	HEAR. REC. NO.	Q. HT. CHANGE TOTAL	METER NO.
22	11-3	1225 1335	WADDICOR-JORDAN	6.5	2.20	1.27	3.45	2.8	.6	8	0		FC37
23	11-4	0740 0752	WADDICOR	8.3	2.85	0.88	3.49	2.5	.6	7	0		"
24	11-5	1320 1330	"	7.5	3.03	1.13	3.48	3.4	.6	8	0		"
25	11-10	1015 1030	"	8.2	3.81	0.95	3.43	3.6	.6	9	0		"
26	11-15	0900 0910	"	9.0	3.57	1.18	3.44	4.2	.6	8	0		"
27	11-17	0800 0810	"	9.5	4.64	1.16	3.50	5.4	.6	8	0		"
28	11-19	1130 1140	"	9.0	3.45	1.16	3.50	4.0	.6	9	0		"

DISCHARGE MEASUREMENTS OF PACOMA CREEK F196-S  
AT Maclay Avenue DURING THE YEAR ENDING SEPTEMBER 30, 1955

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REG. FT.	RAT- ING	METH- OD	HEAR. REC. NO.	Q. HT. CHANGE TOTAL	METER NO.
40	4-21	1746 1754	BLAKELY	14.0	3.76	1.52		5.7	.5	8			FC24
41	4-23	1249 1254	BLAKELY-BOLLINGER	2.5	0.35	0.71		0.25	.5	6			FC53
42	4-25	0645 0653	BLAKELY	11.9	2.64	1.10		2.9	.5	8			FC24
43	4-25	1200 1208	"	12.3	4.02	0.87		3.5	.5	9			FC53
44	4-25	1542 1555	"	12.0	3.58	0.67		2.4	.5	8			"
45	4-26	0826 0834	"	12.2	4.10	0.85		3.5	.5	8			"
46	4-26	1036 1044	"	12.0	3.94	0.78		3.1	.5	8			"
47	4-27	0825 0833	"	12.3	4.18	0.86		3.6	.5	8			"
48	4-27	1538 1542	"	12.2	3.75	0.77		2.9	.5	8			"
49	4-28	0846 0854	"	12.4	4.23	0.87		3.7	.5	8			"
50	4-28	1523 1531	"	12.2	4.07	0.88		3.6	.5	8			"
51	4-29	0844 0852	"	11.5	4.45	1.21		5.4	.5	9			"
52	4-29	1538 1546	"	12.9	4.98	0.93		4.1	.5	6			"
53	4-30	1210 1216	"	14.5	7.02	1.66		11.7	.6	9			FC24
54	5-1	1314	BLAKELY-BLAKE	13.0	4.98	1.04		5.2	.6	9			FC53
55	5-1	1910 1916	"	13.8	5.47	1.15		6.3	.6	9			"
56	5-2	0850 0858	BLAKELY	13.0	5.27	1.17		6.2	.5	6			"
57	5-2	1545 1553	"	13.1	4.66	1.01		4.7	.6	9			"
58	5-3	0855 0903	"	12.5	4.22	0.85		3.6	.6	9			"
59	5-3	1434 1442	"	12.8	4.46	0.99		4.4	.6	9			"
60	5-4	0842 0850	"	12.5	4.55	0.94		4.3	.5	9			"
61	5-4	1833 1841	"	12.1	4.03	0.84		3.4	.5	9			"
62	5-5	0822 0830	"	13.0	4.53	0.88		4.0	.5	6			"
63	5-5	1509 1517	"	12.7	4.43	0.90		4.0	.5	9			"
64	5-6	0834 0842	BLAKELY	12.5	4.09	0.78		3.2	.5	9			FC53
65	5-6	1828 1836	BLAKELY-HYDE	12.0	3.71	0.81		3.0	.5	9			"
66	5-7	1140 1148	BLAKELY	13.2	4.51	0.86		3.9	.5	6			"
67	5-8	1148 1156	"	12.3	4.02	0.82		3.3	.5	9			"
68	5-9	0830 0842	HYDE	12.0	3.50	0.80		2.8	.5	9			"
69	5-10	0842 0852	"	11.7	3.27	0.76		2.5	.5	8			"
70	5-11	0830 0840	"	11.6	3.40	0.74		2.5	.5	8			"
71	5-12	0828 0844	"	11.6	3.30	0.76		2.5	.5	12			"
72	5-13	0830 0842	"	11.6	3.31	0.78		2.6	.5	8			"

DISCHARGE MEASUREMENTS OF PACOIMA WASH F197S  
 AT NEAR Arleta Street above Spreading Grounds DURING THE YEAR ENDING SEPTEMBER 30, 19 54

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAT. ING	METH. DD	MEAS. REC. NO.	S. HT. CHANGE TOTAL	METER NO.
51	4-9	1520 1530	TURNER-BLAKELY	13.0	6.50	14.6		124.		.6	7		PITOT TUBE

DISCHARGE MEASUREMENTS OF PALLETTE CREEK F122-S  
 AT NEAR Big Rock Creek DURING THE YEAR ENDING SEPTEMBER 30, 19 54

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAT. ING	METH. DD	MEAS. REC. NO.	S. HT. CHANGE TOTAL	METER NO.
194	2-17	1515 1518	TURNER	1.4	0.23	0.30		0.07		.5	4		FC43
195	3-11	1522 1525	"	1.6	0.34	0.38		0.13		.5	4		"
196	3-18	1342 1345	"	1.8	0.37	0.51		0.19		.5	4		"
197	3-25	1502 1505	"	1.6	0.26	0.73		0.19		.5	4		"
198	4-8	1525 1530	"	2.0	0.34	0.76		0.26		.5	4		"
199	4-15	1527 1550	"	2.0	0.45	0.53		0.24		.5	4		"
200	4-22	1252 1255	"	1.6	0.18	0.72		0.13		.5	4		"
201	4-29	1527 1530	"	1.6	0.16	0.81		0.13		.5	4		"
202	5-13	1512 1515	"	1.6	0.19	0.53		0.10		.5	3		"
203	5-27	1508 1510	"	2.0	0.34	0.26		0.09		.5	4		"
204	6-10	1443 1445	TURNER-HYDE	2.0	0.26	0.54		0.14		.5	4		"
205	6-24	1524 1537	HYDE	1.9	0.18	0.50		0.09		.5	4		FC35
206	7-8	1450 1458	"	1.0	0.17	0.41		0.07		.5	3		"
207	7-22	1230 1233	TURNER	0.9	0.13	0.38		0.05		.5	3		FC43

DISCHARGE MEASUREMENTS OF PALLETTE CREEK F122-S  
 AT NEAR Big Rock Creek DURING THE YEAR ENDING SEPTEMBER 30, 19 55

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAT. ING	METH. DD	MEAS. REC. NO.	S. HT. CHANGE TOTAL	METER NO.
208	12-23	1412 1415	TURNER	0.8	0.03	0.33		0.011		.5	3		FC43
209	3-24	1625 1629	"	1.0	0.12	0.42		0.05		.5	5		"
210	4-1	1155 1200	"	1.4	0.24	0.75		0.18		.5	4		"
211	4-6	1355 1600	"	1.6	0.25	0.60		0.15		.5	5		FC60
212	4-13	1540 1543	"	1.0	0.12	0.83		0.10		.5	5		"
213	4-20	1552 1555	"	1.6	0.39	0.46		0.18		.5	4		"
214	4-27	1350 1355	"	1.2	0.20	0.95		0.19		.5	5		"
215	5-5	1542 1545	"	1.8	0.20	0.75		0.15		.5	5		"
216	5-12	1630 1635	"	2.0	0.16	0.69		0.11		.5	5		"
217	5-19	1507 1510	"	1.4	0.14	0.86		0.12		.5	3		FC43
218	5-26	1500 1503	"	1.2	0.12	0.50		0.06		.5	4		FC60
219	5-9	1500 1502	SADDORIS-TURNER	1.0	0.09	0.89		0.08		.5	4		"
220	6-23	1517 1520	TURNER	0.6	0.02	0.50		0.01		.5	3		"
221	7-21	1417 1420	"	0.6	0.02	0.50		0.01		.5	3		FC43

DISCHARGE MEASUREMENTS OF PALM CREEK F230-S  
 AT NEAR Telemah Road DURING THE YEAR ENDING SEPTEMBER 30, 19 54

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAT. ING	METH. DD	MEAS. REC. NO.	S. HT. CHANGE TOTAL	METER NO.
38	1-25	1138 1148	WADDICOR-BRITZMAN	21.0	13.8	1.74	2.68	24.0		.6	8	0	FC37
39	3-24	1300 1310	WADDICOR	6.0	2.97	0.98	1.96	2.9		.6	7	0	"

DISCHARGE MEASUREMENTS OF RIO HONDO F315-S  
 AT NEAR Contractor's Haul Road above Whittier Narrows Dam - Rio Hondo Outlet Works DURING THE YEAR ENDING SEPTEMBER 30, 19 54

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAT. ING	METH. DD	MEAS. REC. NO.	S. HT. CHANGE TOTAL	METER NO.
1	8-9	0953 0957	WADDICOR-DE MARS	13.4	15.5	2.47	5.44	38.3		.6	9	0	FC37
2	8-10	1127 1135	"	25.6	31.2	2.28	6.00	77.2		.6	12	+1.01	"
3	8-11	1050 1103	"	25.6	34.4	2.76	6.44	94.8		.6	12	0	"
4	8-12	1045 1057	SPELLMAN	25.3	31.8	3.00	6.95	95.4		.6	13	0	"
5	8-13	1108 1125	WADDICOR-SPELLMAN	25.3	32.4	2.98	6.87	96.4		.6	13	0	"
6	8-16	1047 1105	WADDICOR	25.6	31.4	3.04	6.64	95.5		.6	13	0	"
7	8-17	1046 1106	"	24.7	34.6	2.58	6.60	89.2		.6	13	0	"
8	8-18	1057 1115	"	25.2	30.1	3.16	6.58	95.2		.6	13	0	"
9	8-19	1005 1042	"	25.2	30.2	3.19	6.61	96.4		.6	13	0	"
10	8-20	1050 1107	"	25.2	29.4	3.16	6.61	93.0		.6	13		"
11	8-23	0705 0720	"	25.2	29.3	3.19	6.58	93.6		.6	13		"
12	8-24	1000 1015	"	25.1	29.4	3.16	6.57	92.9		.6	13		"
13	8-25	0635 0650	"	25.0	29.7	3.22	6.58	95.5		.6	13		"
14	8-27	0702 0718	"	25.2	29.6	3.20	6.57	94.7		.6	13		"
15	9-2	1130 1135	"	26.1	53.3	1.82	6.50	97.2		.6	13		"
16	9-19	1115 1130	"	20.6	19.7	1.39	5.40	27.4		.6	12		"
17	9-21	1023 1038	"	21.5	22.4	1.56	5.50	34.9		.6	13		"
18	9-22	1025 1040	"	23.2	38.6	1.97	6.28	76.1		.6	11		"

DISCHARGE MEASUREMENTS OF RIO HONDO F315-S  
 AT NEAR Contractor's Haul Road - above Whittier Narrows Dam - Rio Hondo Outlet Works DURING THE YEAR ENDING SEPTEMBER 30, 19 55

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAT. ING	METH. DD	MEAS. REC. NO.	S. HT. CHANGE TOTAL	METER NO.
19	11-6	1120 1135	WADDICOR	24.3	43.5	3.05	6.76	133.		.6	11	0	FC37
20	11-29	1050 1110	"	39.0	66.0	2.32		153.		.6	16		"
21	12-11	1316 1333	"	37.5	66.5	2.20		143.		.6	17		"

DISCHARGE MEASUREMENTS OF SAN DIMAS CREEK F101-S  
 AT NEAR Toe of San Dimas Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 54

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAT. ING	METH. DD	MEAS. REC. NO.	S. HT. CHANGE TOTAL	METER NO.
19	10-1	1230	STUNDEN	3.0			0.05	0.11					CIPOLLETTI WEIR
20	10-8	1430	"	3.0			0.05	0.11					"
21	3-25	1100	MIDDLETON	3.0			0.96	9.5					"
22	4-22	1430	"	3.0			0.29	1.6					"
23	4-29	1030	"	3.0			0.29	1.6					"
24	5-5	1340	"	3.0			0.42	2.8					"
25	5-13	1115	"	3.0			0.41	2.6					"
26	5-20	1025	"	3.0			0.40	2.6					"
27	5-27	1100	"	3.0			0.40	2.6					"
28	6-3	1115	"	3.0			0.29	2.5					"
29	6-10	1045	"	3.0			0.38	2.4					"
30	6-17	1025	"	3.0			0.50	3.6					"
31	6-24	1035	"	3.0			0.50	3.6					"
32	7-1	1000	"	3.0			0.49	3.5					"
33	7-8	1100	"	3.0			0.48	3.4					"
34	7-15	1040	"	3.0			0.46	3.2					"
35	7-23	1330	MIDDLETON-WHISLER	3.0			0.45	3.0					"
36	7-29	1100	MIDDLETON	3.0			0.45	3.0					"
37	8-5	1400	WHISLER	3.0			0.41	2.6					"
38	8-12	1025	"	3.0			0.62	4.9					"
39	8-19	1410	"	3.0			0.005	0.005					"
40	8-26	1140	"	3.0			0.005	0.005					"
41	9-2	1547	MIDDLETON	3.0			0.005	0.005					"
42	9-10	0810	"	3.0			0.005	0.005					"
43	9-16	1612	"	3.0			0.005	0.005					"



DISCHARGE MEASUREMENTS OF SAN DIMAS CREEK F101-S  
 AT NEAR Toe of San Dimas Dam DURING THE YEAR ENDING SEPTEMBER 30, 1954

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER F208S  
 AT NEAR below Morris Dam DURING THE YEAR ENDING SEPTEMBER 30, 1954

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. DD	HEAD SEC. NO.	D. HT. CHANGE TOTAL	METER NO.
44	3-31	0947	MIDDLETON	3.0			0.43	2.8			CIPOLLETT		WEIR
45	4-7	0935	"	3.0			0.41	2.6			"		"
46	4-14	1010	"	3.0			0.28	1.5			"		"
47	4-20	1100	"	3.0			0.26	1.3			"		"
48	4-28	1055	"	3.0			0.26	1.3			"		"
49	5-19	1020	"	3.0			0.52	3.8			"		"
50	5-26	1025	"	3.0			0.63	5.0			"		"
51	6-2	1130	"	3.0			0.61	4.8			"		"
52	6-9	1035	"	3.0			0.57	4.3			"		"
53	6-16	1030	STUNDEN	3.0			0.52	3.8			"		"
54	6-23	1040	"	3.0			0.61	4.8			"		"

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. ING.	METH. DD	HEAD SEC. NO.	D. HT. CHANGE TOTAL	METER NO.
21	1-21	1455 1458	STUNDEN-GODFREY					0.90					FC 36
22	3-10	1410 1420	STUNDEN					1.0					FC50
23	4-24	1145 1215	"				102.	2/8 0.8					FC12
24	4-28	1150 1245	WHISLER	52.0	90.7	0.93		84.7					FC5
25	4-30	0815 0910	"	50.0	83.6	0.82		68.8					"
26	5-3	0830 0905	"	18.5	34.0	1.34		45.4					"
27	6-12	1230 1240	STUNDEN					1.0					FC50
28	9-8	1210 1220	"	1.5	0.76	1.38		1.0					"

DISCHARGE MEASUREMENTS OF SAND ROCK CREEK F209-S  
 AT NEAR Pearblossom Highway DURING THE YEAR ENDING SEPTEMBER 30, 1954

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER F208-S  
 AT NEAR below Morris Dam DURING THE YEAR ENDING SEPTEMBER 30, 1955

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. DD	HEAD SEC. NO.	D. HT. CHANGE TOTAL	METER NO.
78	3-11	1355	TURNER				0.26	0.09			V-NOTCH		WEIR
79	4-22	1425	"				0.28	0.11			"		"
80	4-29	1355	"				0.26	0.09			"		"
81	5-13	1345	"				0.23	0.07			"		"
82	5-27	1345	"				0.22	0.06			"		"
83	6-10	1348	HYDE-TURNER				0.19	0.04			"		"
84	6-24	1425	HYDE				0.17	0.03			"		"
85	7-8	1335	"				0.17	0.03			"		"
86	7-22	1435	TURNER				0.13	0.04			"		"
87	8-4	1415	"				0.20	0.05			"		"
88	8-19	1430	"				0.16	0.03			"		"
89	9-8	1320	"				0.12	0.04			"		"
90	9-24	1450	"				0.20	0.05			"		"

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. DD	HEAD SEC. NO.	D. HT. CHANGE TOTAL	METER NO.
29	10-14	1105 1115	STUNDEN	1.5	0.75	1.33		1.0					FC50
30	11-26	1305 1315	"					1.0					"
31	12-22	1430 1440	"					1.0					"
32	1-26	1550 1600	"					1.0					FC36
33	3-10	0800 0826	"					1.0					FC50
34	4-7	1330 1340	"					0.97					"
35	9-22	1025 1035	"	0.50	0.08	2.26		0.18					"

DISCHARGE MEASUREMENTS OF SAND ROCK CREEK F209-S  
 AT NEAR Pearblossom Highway DURING THE YEAR ENDING SEPTEMBER 30, 1955

DISCHARGE MEASUREMENTS OF MAIN SPREADING CANAL F100S  
 AT NEAR Mouth of San Gabriel Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1954

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. DD	HEAD SEC. NO.	D. HT. CHANGE TOTAL	METER NO.
91	10-7	1400	TURNER				0.07				V-NOTCH		WEIR
92	10-21	1350	"				0.09				"		"
93	11-4	1350	"				0.13				"		"
94	11-17	1315 1320	DEMARS-VAN ALLEN	0.8	0.75	0.48		0.36			.5 5		FC34
95	11-26	1420 1425	HYDE	0.8	0.16	0.56		0.09			.5 3		FC35
96	12-2	1340 1342	"	0.8	0.13	0.62		0.08			.5 3		"
97	12-8	1545	TURNER				0.35	0.19			V-NOTCH		WEIR
98	12-23	1245	"				0.25	0.08			"		"
99	12-30	1325	"				0.28	0.11			"		"
100	2-3	1400	"				0.33	0.16			"		"
101	2-10	1415	"				0.28	0.11			"		"
102	2-17	1340	"				0.28	0.11			"		"
103	2-23	1420	"				0.28	0.11			"		"
104	3-1	1115	"				0.28	0.11			"		"
105	3-9	1520	"				0.30	0.13			"		"
106	3-17	1455	"				0.12				"		"
107	3-24	1455	"				0.29	0.12			"		"
108	4-6	1340 1345	"	1.2	0.16	0.69		0.11			.5 4		FC60
109	4-13	1320 1325	"	1.3	0.15	0.53		0.08			.5 5		"
110	4-27	1230 1237	"	1.0	0.09	0.56		0.05			.5 4		"
111	5-26	1402 1405	"	1.0	0.08	0.38		0.03			.5 4		"
112	6-9	1414 1415	SADDORIS-TURNER	0.4	0.02	0.50		0.01			.5 3		"

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. ING.	METH. DD	HEAD SEC. NO.	D. HT. CHANGE TOTAL	METER NO.
2	1-21	1410 1420	STUNDEN-GODFREY	11.7	11.0	2.70	1.90	29.7			.6 14		FC36
3	1-28	1350 1406	STUNDEN-MURPHY	13.2	15.4	2.78	2.10	42.8			.6 10		"
4	2-5	1020 1035	STUNDEN	12.0	12.5	2.98	2.00	37.3			.5 10		"
5	2-11	1000 1015	"	12.0	17.2	1.47	1.80	25.3			.6 10		FC12
6	3-4	0910 0925	"	12.5	14.9	3.12		46.6			.6 11		FC36
7	3-10	1300 1315	"	12.0	15.3	2.63		39.2			.6 11		FC12
8	3-18	1130 1135	"	13.0	16.5	2.33		40.4			.6 9		"
9	3-24	1440 1455	"	12.3	15.9	2.31		36.8			.5 12		"
10	4-2	1615 1628	WHISLER	14.2	19.1	1.96		37.4			.6 12		FC36
11	4-8	1100 1115	STUNDEN	12.5	20.4	1.60		30.6			.6 11		"
12	4-15	1135 1156	HYDE-WHISLER	14.0	20.5	2.00		40.9			.6 11		FC5
13	4-22	1130 1137	WHISLER	13.5	20.2	2.19		44.2			.6 13		"
14	4-30	1155 1105	"	13.0	18.1	2.12		38.3			.6 13		"
15	9-23	1130 1145	STUNDEN	10.5	6.90	0.68		4.7			.5 10		FC50
16	9-30	1240 1250	"	10.5	9.33	0.49		4.5			.5 9		"

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER F100-S  
 AT NEAR Mouth of San Gabriel Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1955

DISCHARGE MEASUREMENTS OF MAIN SPREADING CANAL F100-S  
 AT NEAR Mouth of San Gabriel Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1955

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. DD	HEAD SEC. NO.	D. HT. CHANGE TOTAL	METER NO.
17	10-6	1100 1120	STUNDEN	11.0	9.15	0.49		4.5			.6 9		FC50
18	10-14	1130 1140	"	11.5	9.62	0.44		4.2			.6 9		"
19	10-20	0920 0935	"	10.0	6.55	0.73		4.8			.6 8		"
20	10-28	0950 1005	"	4.0	7.55	0.79		6.0			.6 7		"
21	11-18	0845 0900	"	10.5	11.3	1.36		15.4			.6 9		"
22	11-26	1340 1355	"	11.5	10.6	1.13		12.0			.6 9		"
23	12-2	0915 0930	"	11.5	9.71	1.04		10.1			.6 8		"
24	12-9	0910 0920	"	11.5	10.8	1.30		14.0			.6 9		"

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. ING.	METH. DD	HEAD SEC. NO.	D. HT. CHANGE TOTAL	METER NO.
17	10-6	1100 1120	STUNDEN	11.0	9.15	0.49		4.5			.6 9		FC50
18	10-14	1130 1140	"	11.5	9.62	0.44		4.2			.6 9		"
19	10-20	0920 0935	"	10.0	6.55	0.73		4.8			.6 8		"
20	10-28	0950 1005	"	4.0	7.55	0.79		6.0			.6 7		"
21	11-18	0845 0900	"	10.5	11.3	1.36		15.4			.6 9		"
22	11-26	1340 1355	"	11.5	10.6	1.13		12.0			.6 9		"
23	12-2	0915 0930	"	11.5	9.71	1.04		10.1			.6 8		"
24	12-9	0910 0920	"	11.5	10.8	1.30		14.0			.6 9		"

SANTA MONICA CREEK

F272-S

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REG. FT.	RAT. ING.	METH. CD.	WEAR. REC. NO.	D. HT. CHANGE TOTAL	METER NO.
25	12-16	1345 1406	"	12.0	10.6	1.68		17.8	.5	10			"
26	12-22	1340 1355	"	13.0	11.1	1.63		18.1	.6	14			"
27	12-29	1330 1340	"	13.5	12.4	1.44		17.9	.5	11			"
28	1-13	0830 0845	"	13.0	19.3	2.24		43.3	.6	10		FC36	"
29	1-20	0850 0910	"	12.5	20.3	2.42		49.1	.5	11		"	"
30	1-27	1430 1445	"	13.0	21.0	2.42		50.8	.6	10		"	"
31	2-10	1030 1045	"	11.5	10.4	0.79		8.2	.5	10		FC50	"
32	2-17	1025 1040	"	12.0	13.2	3.60		35.3	.5	13		FC36	"
33	2-24	1045 1060	"	12.5	17.4	2.08		36.2	.6	10		"	"
34	3-3	1015 1015	"	12.5	16.3	2.49		40.6	.6	11		"	"
35	3-10	0915 0930	"	12.5	14.0	2.62		35.3	.6	10		"	"
36	3-17	1130 1145	"	11.5	14.6	2.94		42.9	.5	9		"	"
37	3-24	1020 1035	"	11.5	13.1	2.57		33.7	.6	9		"	"
38	3-30	1090 1105	STUNDEN-JONES	12.0	15.8	2.04		32.2	.6	14		"	"
39	4-7	1445 1500	STUNDEN	11.0	7.69	0.69		5.3	.6	8		FC50H	"
40	4-27	1040 1055	"	8.5	6.17	1.96		9.6	.6	8		FC36	"
41	5-5	0805 0816	"	9.0	6.27	1.90		11.9	.5	8		FC36	"
42	5-12	1130 1145	"	9.3	5.86	1.69		9.9	.6	11		"	"
43	5-18	1420 1430	"	6.0	3.74	0.96		3.6	.5	8		FC50	"
44	5-26	0840 0840	"	10.0	7.77	1.03		8.0	.5	11		"	"
45	6-2	0800 0812	"	9.0	7.91	0.82		6.5	.5	9		"	"
46	6-9	1530 1538	WHISLER	7.5	2.31	0.87		2.0	.5	9		"	"
47	6-16	1400 1420	"	12.5	9.19	0.39		3.6	.6	14		FC49	"
48	6-22	1035 1045	MOON	9.5	11.2	0.43		4.8	.6	7		FC48	"
49	6-30	0840 0850	STUNDEN	9.0	7.55	0.66		5.0	.6	8		FC50	"
50	7-6	0930 0940	"	10.0	9.28	0.64		5.9	.6	8		"	"
51	7-14	0810 0825	"	10.0	11.5	0.88		10.1	.6	8		"	"
52	7-21	1520 1525	WHISLER	12.9	11.6	0.78		9.0	.6	11		"	"
53	7-28	0845 0857	SANDORIS-STUNDEN	10.7	9.87	0.93		9.2	.6	10		"	"
54	8-4	1520 1540	WHISLER	12.7	12.0	0.82		9.8	.6	12		"	"
55	8-11	1540 1555	"	12.0	9.77	0.94		9.2	.6	14		"	"
56	8-18	1135 1150	STUNDEN	9.0	5.97	1.44		8.6	.5	7		"	"
57	8-25	1045 1055	STUNDEN-JONES	10.5	8.70	1.23		10.7	.6	8		"	"
58	8-1	0913 0930	STUNDEN-SCOTT	8.1	5.88	1.94		11.4	.6	12		"	"
59	8-8	1010 1025	STUNDEN	9.0	7.95	1.37		10.9	.6	9		"	"
60	9-14	1130 1145	"	12.0	23.3	0.46		10.6	.6	9		"	"
61	9-22	1000 1015	"	8.5	5.51	1.94		10.7	.6	11		"	"
62	9-29	1020 1030	"	8.7	5.57	1.88		10.6	.5	11		"	"

DISCHARGE MEASUREMENTS OF SANTA MONICA CREEK above Rustic Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1954

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REG. FT.	RAT. ING.	METH. CD.	WEAR. REC. NO.	D. HT. CHANGE TOTAL	METER NO.
384	10-1	1330 1336	BOLLINGER	4.0	0.33	2.86		0.98				FLOATS	6
385	10-8	1335 1335	"	4.0	0.29	2.69		0.78				"	7
386	10-15	1230 1236	MOON	5.0	0.37	1.54		0.57				"	6
387	10-22	1200 1207	"	4.0	0.30	2.17		0.65				"	5
388	10-29	1205 1215	"	4.5	0.40	1.50		0.60				"	7
389	11-5	1155 1158	"	1.0	0.30	1.83		0.55				.5	3 FC48
390	11-12	1250 1253	"	1.5	0.27	2.11		0.57				.5	3 "
391	11-19	1200 1200	"	4.0	0.23	1.83		0.42				FLOATS	5
392	11-25	1215 1220	"	4.0	0.28	2.69		0.70				"	5
393	12-3	1210 1212	"	2.0	0.19	2.52		0.48				"	3
394	12-10	1246 1251	"	4.0	0.22	2.73		0.60				"	5
395	12-17	1510 1515	"	3.0	0.22	2.18		0.48				"	5
396	12-23	1120 1120	"	3.0	0.18	2.66		0.48				"	5
397	12-31	1110 1115	"	3.0	0.20	2.95		0.59				.5	5 FC29
398	1-7	1130 1132	"	2.0	0.16	3.38		0.54				.5	3 "
399	1-14	1205 1210	"	3.0	0.18	2.83		0.51				.5	5 "
400	1-21	1110 1115	"	3.0	0.19	2.95		0.56				.5	5 "
401	1-28	1145 1148	"	3.0	0.18	3.39		0.61				.5	3 "
402	2-4	1140 1145	"	3.0	0.15	4.47		0.67				.5	3 "
403	2-11	1124 1125	MOON-SPELLMAN	3.0	0.18	3.78		0.68				.5	3 "
404	2-18	1235 1245	MOON	4.0	0.35	4.86		1.7				FLOATS	6
405	2-25	1312 1315	"	3.0	0.15	5.00		0.75				"	3
406	3-4	1105 1110	"	3.0	0.21	3.52		0.74				"	5
407	3-11	1145 1150	MOON	3.0	0.22	3.39		0.65				"	5
408	3-18	1500 1505	"	3.0	0.21	3.71		0.78				"	3
409	3-24	1535 1537	MOON-SPELLMAN	4.0	0.32	3.40		1.1				"	5
410	4-1	1500 1505	MOON	3.0	0.22	3.82		0.84				"	5
411	4-8	1540 1545	"	3.0	0.22	3.99		0.66				"	5
412	4-15	1150 1155	"	2.5	0.19	3.42		0.65				"	3
413	4-22	1052 1055	"	3.0	0.24	3.04		0.73				"	5
414	4-29	1010 1014	"	4.0	0.26	3.27		0.85				"	5
415	5-6	1140 1145	HYDE	5.0	0.47	1.96		0.92				"	6
416	5-13	1053 1057	MOON	4.0	0.34	2.53		0.86				"	5
417	5-20	1136 1141	HYDE	5.0	0.42	2.33		0.98				"	6
418	5-27	1124 1129	"	3.5	0.33	2.73		0.90				"	5
419	6-3	1145 1150	MOON-LINDSAY	COMPOSITE				0.76				.5	3 FC29
420	6-10	1255 1257	MOON	2.0	0.20	3.40		0.68				FLOATS	3
421	6-16	1130 1135	"	3.0	0.50	1.40		0.70				"	5
422	6-23	1155 1200	"	2.5	0.43	1.93		0.83				"	3
423	6-30	1130 1135	"	3.4	0.28	3.93		1.1				"	5
424	7-7	1205 1205	"	3.0	0.21	3.19		0.67				"	7
425	7-15	1230 1223	"	3.0	0.18	3.39		0.61				"	3
426	7-22	1110 1113	"	2.0	0.22	2.64		0.58				"	3
427	7-29	1248 1248	"	2.0	0.31	2.03		0.63				"	3
428	8-5	1140 1145	"	3.0	0.22	2.18		0.48				"	5
429	8-12	1215 1217	"	3.0	0.18	2.83		0.51				"	3
430	8-19	1203 1208	HYDE	2.8	0.33	2.22		0.73				"	4
431	8-26	1100 1103	MOON	2.5	0.21	2.76		0.58				"	3
432	9-2	0720 0723	MOON	3.0	0.18	2.06		0.37				FLOATS	5
433	9-8	1200 1203	"	3.0	0.15	2.80		0.42				"	3
434	9-16	1200 1202	"	3.0	0.21	3.10		0.65				"	3
435	9-23	1155 1158	"	3.0	0.21	2.86		0.60				"	3
436	9-30	1235 1237	"	3.0	0.18	2.83		0.51				"	3

DISCHARGE MEASUREMENTS OF SAN JOSE CREEK F308-S at Nogales Avenue DURING THE YEAR ENDING SEPTEMBER 30, 1954

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REG. FT.	RAT. ING.	METH. CD.	WEAR. REC. NO.	D. HT. CHANGE TOTAL	METER NO.
1	12-14	1105 1113	MIDDLETON	3.0	1.61	0.68		1.1	.6	7			FC49
2	2-18	1545 1560	"	9.2	3.45	1.94		6.7	.6	11			FC26
3	3-11	1544 1560	"	9.8	4.46	2.49		11.1	.6	11			"
4	3-18	1610 1625	"	10.2	4.28	2.08		8.9	.6	11			"
5	5-20	1550 1604	"	9.6	3.52	1.93		6.8	.6	10			"

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REG. FT.	RAT. ING.	METH. CD.	WEAR. REC. NO.	D. HT. CHANGE TOTAL	METER NO.
437	9-27	1155 1158	"	3.0	0.21	2.86		0.60				"	3

DISCHARGE MEASUREMENTS OF SANTA MONICA CREEK F272-S  
 above Rustic Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1955

DISCHARGE MEASUREMENTS OF SANTA MONICA CREEK F66-S  
 below Rustic Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1954

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAT. IND.	METH. CD.	MEAS. REC. NO.	D. HYD. CHANGE	METER NO.
437	10-7	1145 1148	MOON	3.0	0.21	2.86		0.60		FLOATS	3		
438	10-14	1230 1233	"	3.0	0.21	2.86		0.60		"	3		
439	10-21	1042 1045	"	3.6	0.22	2.45		0.54		"	3		
440	10-29	1340	"	4.0	0.28	1.71		0.48		"	3		
441	11-4	1125 1128	"	3.0	0.21	2.43		0.51		"	3		
442	11-10	1340 1343	"	3.0	0.24	2.12		0.51		"	3		
443	11-18	1350 1353	"	3.0	0.24	2.12		0.51		"	3		
444	11-24	1123	"	3.6	0.18	3.39		0.61		"	3		
445	12-2	1130 1133	"	3.0	0.18	3.39		0.61		"	3		
446	12-9	1052 1055	"	3.6	0.18	2.83		0.51		"	3		
447	12-23	1148 1151	"	3.2	0.19	3.40		0.66		"	3		
448	12-30	1149 1149	"	3.2	0.19	3.42		0.65		"	3		
449	1-14	1015 1018	"	3.6	0.22	3.41		0.75		"	3		
450	1-27	1150 1153	"	3.6	0.25	4.40		1.1		"	3		
451	2-3	1140 1143	"	3.6	0.22	3.41		0.75		"	3		
452	2-10	1010 1013	"	3.6	0.22	4.27		0.94		"	3		
453	2-17	1050 1053	"	3.8	0.23	3.39		0.78		"	3		
454	2-24	0817 0820	"	4.0	0.24	3.79		0.91		"	3		
455	3-2	1325 1328	"	3.6	0.22	3.77		0.83		"	3		
456	3-10	1045	"	3.6	0.25	3.76		0.94		"	3		
457	3-17	1225 1228	"	3.6	0.22	4.23		0.83		"	3		
458	3-24	1115 1120	"	3.6	0.22	3.77		0.83		"	3		
459	3-31	1200 1203	"	3.6	0.22	3.41		0.75		"	3		
460	4-7	1055 1100	"	4.0	0.24	3.42		0.82		"	3		
461	4-13	1115 1120	MOON-HYDE	3.2	0.22	2.82		0.62		FLOATS	3		
462	4-22	1100 1101	SPELLMAN-MOON	4.0	0.24	3.42		0.82		"	3		
463	5-5	1135 1138	MOON	3.8	0.23	3.39		0.78		"	3		
464	5-12	1105 1108	"	3.2	0.19	3.42		0.65		"	3		
465	5-19	1100 1105	WHISLER	3.5	0.22	3.08		0.68		"	8		
466	5-26	1510 1513	WHISLER-MOON	3.3	0.20	3.40		0.68		"	3		
467	6-2	1530 1533	MOON	3.6	0.22	3.41		0.75		"	3		
468	6-9	1525 1528	MOON	3.4	0.20	3.40		0.68		"	3		
469	6-16	1105 1113	MOON-LINDSAY	4.0	0.49	1.41		0.69			.5	6	FC48
470	6-23	1514 1517	MOON	3.2	0.19	3.42		0.65		FLOATS	3		
471	6-30	1000 1003	"	3.2	0.19	3.58		0.68		"	3		
472	7-7	1110 1115	HYDE	3.2	0.22	2.54		0.56		"	5		
473	7-14	1140 1144	"	4.0	0.32	2.56		0.82		"	6		
474	7-21	1010 1014	"	4.0	0.30	2.46		0.74		"	5		
475	7-28	1309 1313	MOON	3.0	0.30	2.83		0.85		"	3		
476	8-3	1340 1343	"	3.0	0.21	2.86		0.60		"	3		
477	8-11	1105 1108	HYDE	3.0	0.24	3.25		0.78		"	4		
478	8-18	1120 1124	"	3.5	0.25	3.08		0.77		"	5		
479	8-25	1140 1144	"	3.5	0.26	3.23		0.84		"	5		
480	9-1	1245 1254	DE MARS	COMPOSITE				0.58		"	5		
481	9-8	1125 1130	"	4.0	0.26	2.65		0.69		"	5		
482	9-15	1145 1150	DE MARS-HOLLERON	5.0	0.28	3.21		0.90		"	7		
483	9-22	1319 1323	DE MARS	5.5	0.40	1.97		0.79		"	6		
484	9-29	1250 1300	DE MARS-LINDSAY	5.5	0.38	2.05		0.78		"	8		

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAT. IND.	METH. CD.	MEAS. REC. NO.	D. HYD. CHANGE	METER NO.
443	10-1	1345 1355	BOLLINGER	COMPOSITE				1.4		FLOATS	7		
444	10-8	1340 1346	"	"	"	"	"	1.2		"	6		
445	10-15	1240 1245	MOON	"	"	"	"	0.90		"	5		
446	10-22	1215 1222	"	"	"	"	"	1.1		"	5		
447	10-29	1217 1225	"	"	"	"	"	1.3		"	5		
448	11-5	1145 1148	"	"	"	"	"	1.3		.5	3		FC48
449	11-12	1240 1245	"	"	"	"	"	1.1		.5	3		"
450	11-19	1140 1145	"	"	"	"	"	0.75		.5	3		"
451	11-25	1207 1209	"	"	"	"	"	1.3		.5	3		FC29
452	12-3	1200 1204	"	"	"	"	"	0.99		FLOATS	3		
453	12-10	1255 1257	"	"	"	"	"	1.2		.5	3		FC29
454	12-17	1500 1502	"	"	"	"	"	1.0		.5	3		"
455	12-23	1130 1132	"	"	"	"	"	1.0		.5	3		"
456	12-31	1100 1105	"	"	"	"	"	1.2		.5	3		"
457	1-7	1120 1125	"	"	"	"	"	1.0		.5	3		"
458	1-14	1155 1200	"	"	"	"	"	0.84		.5	3		"
459	1-21	1100 1105	"	"	"	"	"	1.2		.5	3		"
460	1-28	1140 1143	"	"	"	"	"	1.1		.5	3		"
461	2-4	1130	"	"	"	"	"	1.6		.5	3		"
462	2-11	1122 1123	MOON - SPELLMAN	"	"	"	"	1.2		.5	3		"
463	2-18	1228 1235	MOON	"	"	"	"	3.4		.5	7		"
464	2-25	1300 1310	"	"	"	"	"	1.8		.5	7		"
465	3-4	1050 1100	"	"	"	"	"	1.7		.5	6		"
466	3-11	1140 1143	"	"	"	"	"	1.7		.5	3		"
467	3-18	1450 1452	"	"	"	"	"	1.8		.5	3		"
468	3-24	1530 1532	MOON - SPELLMAN	"	"	"	"	3.0		FLOATS	5		
469	4-1	1450 1500	MOON	"	"	"	"	5.3		"	8		
470	4-8	1530 1535	"	"	"	"	"	2.2		"	5		
471	4-15	1140 1145	"	"	"	"	"	2.1		"	5		
472	4-22	1030 1035	"	"	"	"	"	2.6		"	5		
473	4-29	1000 1005	"	"	"	"	"	2.1		"	5		
474	5-6	1130 1135	HYDE	"	"	"	"	1.9		"	5		
475	5-13	1045 1050	MOON	"	"	"	"	2.0		"	5		
476	5-20	1130 1134	HYDE	"	"	"	"	2.6		"	5		
477	5-27	1120	"	"	"	"	"	1.3		"	5		
478	6-3	1135 1140	MOON - LINDSAY	4.5	0.76	1.97		1.5		.5	6		FC29
479	6-10	1245 1250	MOON	COMPOSITE				1.6		FLOATS	5		
480	6-16	1137 1140	"	"	"	"	"	1.4		"	5		
481	6-23	1205	"	"	"	"	"	1.5		"	3		
482	6-30	1140 1144	"	"	"	"	"	1.9		"	3		
483	7-7	1210 1212	"	"	"	"	"	1.3		"	3		
484	7-15	1210 1214	"	"	"	"	"	1.2		"	3		
485	7-22	1117 1130	"	"	"	"	"	1.1		"	3		
486	7-29	1253 1258	"	"	"	"	"	1.2		"	5		
487	8-5	1150	"	"	"	"	"	1.0		"	5		
488	8-12	1225 1227	MOON	"	"	"	"	0.91		"	3		
489	8-19	1155 1200	HYDE	"	"	"	"	1.2		"	5		
490	8-26	1105 1107	MOON	"	"	"	"	1.0		"	3		
491	9-2	0725 0727	"	"	"	"	"	0.79		"	5		
492	9-8	1207 1210	"	"	"	"	"	0.93		"	3		
493	9-16	1207 1208	"	"	"	"	"	1.1		"	3		
494	9-23	1155 1157	"	"	"	"	"	1.1		"	3		
495	9-30	1240 1242	"	"	"	"	"	1.0		"	3		

DISCHARGE MEASUREMENTS OF SANTA MONICA CREEK F85-S  
 AT below Rustic Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1955

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. DO	MEAN SEC. NO.	S. HT. CHANGE TOTAL	METER NO.
496	10-7	1190 1153	MOON				COMPOSITE	1.1		FLOATS	3		
497	10-14	1240 1243	"				"	1.0		"	3		
498	10-21	1080 1093	"				"	1.0		"	3		
499	10-29	1390 1353	"				"	0.99		"	3		
500	11-4	1140 1143	"				"	0.95		"	3		
501	11-10	1350 1353	"				"	1.1		"	3		
502	11-18	1340 1343	"				"	1.1		"	3		
503	11-24	1130 1133	"				"	1.2		"	3		
504	12-2	1140 1143	"				"	0.99		"	3		
505	12-9	1100 1103	"				"	1.0		"	3		
506	12-23	1155 1158	"				"	1.2		"	3		
507	12-30	1150 1153	"				"	1.3		"	3		
508	1-14	1020 1023	"				"	1.5		"	3		
509	1-27	1156 1159	"				"	1.8		"	3		
510	2-3	1140 1143	"				"	1.5		"	3		
511	2-10	1015 1018	"				"	1.8		"	3		
512	2-17	1100 1103	"				"	1.8		"	3		
513	2-24	0825 0828	"				"	1.8		"	3		
514	3-2	1340 1343	"				"	1.9		"	3		
515	3-10	1052	"				"	1.9		"	3		
516	3-17	1220 1223	"				"	1.7		"	3		
517	3-24	1125 1130	"				"	1.7		"	3		
518	3-31	1210 1213	"				"	1.8		"	3		
519	4-7	1105 1108	"				"	1.5		"	3		
520	4-13	1120 1090	MOON-HYDE				"	1.4		"	3		
521	4-22	1050 1055	SPELLMAN-MOON				"	1.9	.5	5	FC29		
522	5-5	1122 1131	GODFREY-MOON				"	1.6	.5	10	FC48		
523	5-12	1110 1114	MOON				"			FLOATS	3		
524	5-19	1108 1115	WHISLER	5.0	0.40	3.75	"	1.5		"	6		
525	5-26	1515 1518	MOON				COMPOSITE	1.4		"	3		
526	6-2	1536 1539	"				"	1.5		"	3		
527	6-9	1520 1523	"				"	1.5		"	3		
528	6-16	1120 1125	MOON-LINDSAY				"	1.5	.5	3	FC48		
529	6-23	1510 1515	MOON				"	1.2		FLOATS	3		
530	6-30	1010 1013	"				"	1.4		"	3		
531	7-7	1100 1104	HYDE				"	1.2		"	5		
532	7-14	1146 1150	"				"	1.2		"	5		
533	7-21	1018 1022	"	8.0	0.71	2.11	"	1.5		"	9		
534	7-28	1307 1310	MOON				COMPOSITE	1.4		"	3		
535	8-3	1400 1405	"				"	1.1		"	3		
536	8-11	1112 1118	HYDE	4.5	0.70	6.28	"	4.4		"	5		
537	8-18	1126 1130	"	5.0	0.35	3.43	"	1.2		"	6		
538	8-25	1148 1154	HYDE	5.5	0.32	3.75	"	1.2		"	7		
539	9-1	1225 1300	DE MARS-HYDE	5.0	0.35	2.86	"	1.0		"	6		
540	9-8	1116 1121	DE MARS	5.0	0.46	3.26	"	1.5		"	6		
541	9-15	1132 1135	DE MARS-HOLLERON	6.0	0.41	2.93	"	1.2		"	6		
542	9-22	1300 1310	DE MARS	7.0	1.04	2.40	"	2.5		"	8		
543	9-29	1305 1310	"	6.0	0.49	2.65	"	1.3		"	7		

DISCHARGE MEASUREMENTS OF SAMPIT WASH F194-S  
 AT Longden Avenue DURING THE YEAR ENDING SEPTEMBER 30, 1954

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. DO	MEAN SEC. NO.	S. HT. CHANGE TOTAL	METER NO.
1	5-5	1600 1645	STUNDEN-HYDE	28.4	44.4	5.61		249.		PITOT	10		
2	5-7	1222 1245	"	26.5	38.7	14.0		540.		"	11		
3	5-7	1618 1645	"	27.0	45.0	15.5		699.		"	11		
4	5-8	1140 1210	STUNDEN-THOMAS	27.0	44.0	15.6		685.		"	11		
5	5-10	1345 1425	STUNDEN-GODFREY	26.8	40.9	15.9		649.		"	11		

DISCHARGE MEASUREMENTS OF VALYERMO RANCH SPRINGS CREEK F291-S  
 AT Pearlblossom Highway DURING THE YEAR ENDING SEPTEMBER 30, 1954

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. DO	MEAN SEC. NO.	S. HT. CHANGE TOTAL	METER NO.
128	10-8	1255	TURNER				0.16	0.03		V NOTCH	WEIR		
129	11-5	1415	"				0.20	0.05		"	"		
130	11-19	1445	"				0.25	0.08		"	"		
131	12-10	1305	"				0.24	0.07		"	"		
132	12-22	1430 1435	"	1.2	0.17	0.47		0.08	.5	4	FC43		
133	1-6	1430 1435	"	1.2	0.22	0.41		0.09	.5	4	"		
134	1-21	1500 1505	"	1.2	0.27	0.44		0.12	.5	4	"		
135	2-3	1445 1448	"	1.4	0.30	0.37		0.11	.6	4	"		
136	2-17	1407 1410	"	1.2	0.26	0.50		0.13	.5	4	"		
137	3-11	1432 1435	"	1.4	0.32	0.44		0.14	.5	4	"		
138	3-18	1257 1300	"	1.5	0.37	0.38		0.14	.5	4	"		
139	3-25	1435 1438	"	1.4	0.34	0.41		0.14	.5	4	"		
140	4-8	1507 1510	"	1.2	0.28	0.32		0.09	.5	4	"		
141	4-22	1402 1405	"	1.4	0.28	0.36		0.10	.5	4	"		
142	4-29	1435	"				0.23	0.07		V NOTCH	WEIR		
143	5-13	1350	"				0.17	0.03		"	"		
144	5-27	1350	"				0.17	0.03		"	"		
145	6-10	1351	HYDE-TURNER				0.19	0.04		"	"		
146	6-24	1435	HYDE				0.21	0.05		"	"		
147	7-8	1355	"				0.29	0.12		"	"		
148	7-22	1440	TURNER				0.28	0.11		"	"		
149	8-4	1420	"				0.28	0.11		"	"		
150	8-19	1420	"				0.28	0.11		"	"		
151	9-8	1440	"				0.27	0.10		"	"		
152	9-24	1500	"				0.30	0.13		"	"		

DISCHARGE MEASUREMENTS OF VALYERNO RANCH SPRINGS CREEK F291-S  
 AT WEIR Pearblossom Highway DURING THE YEAR ENDING SEPTEMBER 30, 1955

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FOOT PER SEC.	GAUGE HEIGHT FEET	DISCHARGE CU. FT.	SAT. INR	MEAN DO	MEAN SEC. NO.	D. CHG. TOTAL	METER NO.
153	10-7	1410	TURNER					0.13		"	"	"	"
154	10-21	1330	"					0.13		"	"	"	"
155	11-4	1355	"					0.19		"	"	"	"
156	11-17	1445	DE MARS-VAN ALLEN				0.41	0.28		"	"	"	"
157	11-26	1433	HYDE				0.33	0.16		"	"	"	"
158	12-2	1345	"				0.33	0.16		"	"	"	"
159	12-8		TURNER				0.42	0.30		"	"	"	"
160	12-16	1525	"				0.35	0.19		"	"	"	"
161	12-23	1257	"				0.34	0.18		"	"	"	"
162	12-30	1320	"				0.34	0.16		"	"	"	"
163	1-7	1450	"				0.30	0.13		"	"	"	"
164	1-20	1325	TURNER-WHISLER				0.38	0.23		"	"	"	"
165	1-27	1400	TURNER				0.38	0.23		"	"	"	"
166	2-3	1325	"				0.35	0.19		"	"	"	"
167	2-10	1425	"				0.35	0.19		"	"	"	"
168	2-17	1505	"				0.33	0.16		"	"	"	"
169	2-23	1425	"				0.28	0.11		"	"	"	"
170	3-1	1120	"				0.29	0.11		"	"	"	"
171	3-9	1525	"				0.28	0.11		"	"	"	"
172	3-17	1500	"				0.33	0.16		"	"	"	"
173	3-24	1505	"				0.30	0.13		"	"	"	"
174	4-1	1230	"				0.31	0.14		"	"	"	"
175	4-6	1505	"				0.30	0.13		"	"	"	"
176	4-13	1520	"				0.30	0.13		"	"	"	"
177	4-20	1445	TURNER				0.25	0.08		"	"	"	"
178	4-27	1215	"				0.27	0.10		"	"	"	"
179	5-5	1500	"				0.27	0.10		"	"	"	"
180	5-12	1505	"				0.24	0.07		"	"	"	"
181	5-19	1445	"				0.20	0.05		"	"	"	"
182	5-26	1415	"				0.18	0.04		"	"	"	"
183	6-9	1445	SADDORIS-TURNER				0.21	0.05		"	"	"	"
184	6-23	1500	TURNER				0.10	0.01		"	"	"	"
185	6-4	1405	"				0.10	0.01		"	"	"	"
186	8-31	1430	"				0.12	0.01		"	"	"	"
187	9-14	1435	TURNER-WHISLER				0.11	0.01		"	"	"	"
188	9-29	1318	HYDE				0.17	0.03		"	"	"	"

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-FOOT.
- A = THE MEASURED DISCHARGE AT STATION F64-R, RIO HONDD 1000 FEET ABOVE MISSION BRIDGE.
- B = THE MEASURED DISCHARGE AT STATION F83-R, MISSION CREEK (FORMERLY RIO HONDD SLOUGH) AT SAN GABRIEL BLVD.
- D = THE MEASURED DISCHARGE OF THE RIO HONDD 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, GATE DITCH BELOW SLUICE GATE.
- L = THE MEASURED, OR ESTIMATED, DISCHARGE FROM THE GATE 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 "N" DISCHARGE MEASUREMENTS OF STANDEFER DITCH F85-S AT HEADGATE DURING THE YEAR ENDING SEPTEMBER 30, 1954

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	RAISE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. ING	METH. DD	MEAS. REC. NO.	DI. INT. CHANGE TOTAL	METER NO.
851	10-1	0932 0937	WADDICOR	3.60	1.98	1.21		2.4	.6	6			FC37
852	10-8	0942 0947	"	3.54	1.78	1.24		2.2	.6	5			"
853	10-15	0940 0947	"	3.60	1.98	1.21		2.4	.6	6			"
854	10-22	1002 1008	"	3.60	1.98	1.16		2.3	.6	6			"
855	10-29	0940 0946	"	3.60	1.98	1.11		2.2	.6	6			"
856	11-5	1009 1017	"	3.60	1.98	1.11		2.2	.6	6			"
857	11-12	1440 1447	"	3.64	2.12	1.18		2.5	.6	6			"
858	11-19	0930 0935	"	3.00	0.30	0.30		0.1	.5	4			"
859	11-25	0910 0914	"	3.32	1.08	0.12		0.13	.5	6			"
860	12-4	0930 0947	"	4.08	3.82	1.41		5.4	.6	6			"
861	12-10	0940 0947	"	3.84	2.88	1.49		4.3	.6	6			"
862	12-17	1013 1020	WADDICOR-SPELLMAN	3.96	3.42	1.55		5.3	.6	6			"
863	12-23	0920 0927	WADDICOR	3.76	2.56	1.52		3.9	.6	6			"
864	12-31	0940 0947	"	3.60	2.20	1.41		3.1	.6	6			"
865	1-7	0927 0932	"	3.80	2.66	1.60		4.2	.6	6			"
866	1-14	1245	"				0.05	EST.					
867	1-28	0925	"				0						
868	2-4	1010	"				0						
869	2-11	0940	"				0						
870	2-18	1000	"				0						
871	2-25	0920	"				0						
872	3-4	0935	"				0						
873	3-11	0942	"				0						
874	3-18	0953	"				0						
875	3-25	0920	"				0						
876	4-1	0952	"				0						
877	4-8	0936	"				0						
878	4-15	0944	"				0						
879	4-22	1000	"				0						
880	4-29	0955	"				0						
881	5-6	1440	"				0						
882	5-13	1409 1413	WADDICOR-SPELLMAN	4.02	3.60	1.83		6.6	.6	6			FC37
883	5-20	0928	WADDICOR					0					
884	5-27	0916 0926	"	3.88	3.02	1.69		5.1	.6	6			"
885	6-3	0927 0935	"	3.80	2.72	1.62		4.4	.6	6			"
886	6-10	0930 0937	"	3.80	2.72	1.48		4.0	.6	6			"
887	6-17	0945 0952	"	3.72	2.36	1.44		3.4	.6	6			"
888	6-23	1055 1058	WADDICOR-DE MARS	4.0	3.50	0.69		2.4	.6	6			"
889	7-1	1030 1040	DE MARS	3.84	2.88	0.76		2.2	.6	6			FC34
890	7-8	1035 1049	"	3.64	2.12	0.85		1.8	.6	6			"
891	7-15	1057 1102	WADDICOR	3.62	2.06	0.78		1.6	.6	6			FC52
892	7-22	1450 1457	"	3.58	1.90	0.53		1.0	.6	6			"
893	7-29	1408 1414	"	3.64	2.12	0.62		1.3	.6	6			"
894	8-5	1000 1010	DE MARS	3.68	2.26	0.49		1.1	.6	6			"
895	8-9	1128 1128	WADDICOR-DE MARS	4.24	4.48	1.56		7.0	.6	6			FC37
896	8-11	1440 1445	WADDICOR-DE MARS	4.48	5.54	2.11		11.7	.6	6			"
897	8-12	1500 1506	WADDICOR-SPELLMAN	3.78	2.64	1.67		4.4	.6	6			"
898	8-14	1400 1408	WADDICOR	3.84	2.88	1.32		3.8	.6	6			FC37
899	8-16	1400 1407	"	3.92	3.18	1.35		4.3	.6	6			"
900	8-17	1455 1505	"	4.24	4.48	1.63		7.3	.6	6			"
901	8-18	1530 1530	"	3.90	3.10	1.48		4.6	.6	6			"
902	8-19	1512 1518	"	4.26	4.58	1.66		7.6	.6	6			"
903	8-20	1350 1400	"	3.88	2.92	1.64		4.8	.6	6			"
904	8-23	1440 1448	"	3.88	2.92	1.71		5.0	.6	6			"
905	8-24	1400 1408	"	3.96	3.34	1.44		4.8	.6	6			"
906	8-26	1035 1040	"	3.44	1.42	0.98		1.4	.6	6			"
907	8-27	0925 0934	"	3.44	1.42	0.77		1.1	.6	6			"
908	8-30	1340 1348	"	3.70	2.36	1.36		3.2	.6	6			"
909	9-2	0955 1005	"	3.48	1.50	0.93		1.4	.6	6			"
910	9-7	0730	"					0					
911	9-8	0822 0829	"	3.48	1.62	0.86		1.4	.6	6			"
912	9-10	0853 0859	"	3.88	3.02	1.69		5.1	.6	6			"
913	9-13	0955 0902	"	3.96	3.40	1.82		6.2	.6	6			"
914	9-16	0910 0917	"	3.96	3.28	1.67		5.5	.6	6			"
915	9-19	1147 1154	"	3.80	2.78	1.59		4.4	.6	6			"
916	9-21	1105 1114	"	3.80	2.72	1.50		4.1	.6	6			"
917	9-22	1110 1116	"	3.72	2.42	1.32		3.2	.6	6			"
918	9-24	1000 1008	"	3.52	1.70	1.00		1.7	.6	6			"
919	9-27	1425 1437	"	3.64	2.20	1.18		2.6	.6	6			"

Factor "N"  
DISCHARGE MEASUREMENTS OF STANDEFER DITCH F86-S  
below Headgate DURING THE YEAR ENDING SEPTEMBER 30, 1955

Factor "Q"  
DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER F86-S  
below Standefer Ditch DURING THE YEAR ENDING SEPTEMBER 30, 1955

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	MEAN SEC. NO.	Q. MT. CHANGE TOTAL	METER NO.
920	10-1	0952 1000	WADDICOR	3.8	2.72	1.54		4.2	.6	6			FC37
921	10-7	1011 1017	"	3.9	3.02	1.66		5.0	.6	6			"
922	10-14	1009 1016	"	3.9	3.02	1.62		4.9	.6	6			"
923	10-21	1015 1023	"	3.9	3.28	1.25		4.1	.6	6			"
924	10-26	1050 1055	"	3.96	3.34	1.32		4.4	.6	6			"
925	11-8	1010 1016	WADDICOR-GODFREY	4.10	3.92	0.97		3.8	.6	6			"
926	11-10	0805 0812	"	3.52	1.70	0.76		1.3	.6	6			"
927	11-18	0755	"					0					"
928	11-24	0825	WADDICOR-VAN ALLEN					0					"
929	12-2	0920	WADDICOR					0					"
930	12-9	0915	"					0					"
931	12-15	1030	"					0					"
932	12-23	0955	"					0					"
933	12-30	0950	"					0					"
934	1-7	1528	"					0					"
935	1-13	0955	"					0					"
936	1-20	1005	"					0					"
937	1-27	0945	"					0					"
938	2-3	1045	DE MARS					0					"
939	2-10	0947	WADDICOR					0					"
940	2-16	0950	"					0					"
941	2-24	0935	"					0					"
942	3-3	0928	"					0					"
943	3-10	0945	"					0					"
944	3-17	1002	WADDICOR					0					"
945	3-24	0935	"					0					"
946	3-31	0930	"					0					"
947	4-7	0830	"					0					"
948	4-14	1420	"					0					"
949	4-28	0910 0920	"	3.48	1.48	0.95		1.4	.6	6			FC37
950	5-5	1155	"					+					"
951	5-12	0905	"					+					"
952	5-19	0912	"					+					"
953	5-26	1014 1020	"	3.76	2.56	1.60		4.1	.6	6			FC52
954	6-2	1000 1007	WADDICOR-SADDORIS	3.72	2.42	1.53		3.7	.6	6			"
955	6-9	0920 0926	WADDICOR	3.70	2.36	1.19		2.8	.6	6			"
956	6-16	0957 1002	"	3.8	2.72	1.03		2.8	.6	6			"
957	6-23	0930 0935	"	3.7	2.42	1.24		3.0	.6	6			"
958	6-30	0928 0933	"	3.6	1.98	1.21		2.4	.6	6			"
959	7-7	0857 0905	GODFREY	3.6	1.86	0.97		1.8	.6	8			"
960	7-14	1158 1207	"	3.5	1.62	0.86		1.4	.5	8			"
961	7-21	0950 0955	WADDICOR	3.4	1.22	0.82		1.0	.6	6			"
962	7-28	0915 0922	"	3.4	1.42	0.77		1.1	.6	6			"
963	8-4	0926 0933	"	3.48	1.48	0.58		0.86	.6	6			"
964	8-11	0855 0900	"	3.38	1.22	0.57		0.69	.5	6			"
965	8-18	0900 0905	"	3.4	1.22	0.51		0.62	.6	6			"
966	8-25	0922 0927	"	3.3	1.08	0.32		0.35	.6	6			"
967	9-1	0830 0835	"	3.3	1.02	0.24		0.24	.6	6			"
968	9-8	1122	"					0					"
969	9-15	0810	"					+		EST.			"
970	9-22	0935 0940	"	3.2	0.44	0.55		0.22	.5	6			FC52
971	9-29	0930 0937	"	3.2	0.74	0.72		0.53	.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.	RAT- ING	METH- OD	MEAN SEC. NO.	Q. MT. CHANGE TOTAL	METER NO.			
846	10-1	0945 1000	WADDICOR	9.0	7.77	0.91		7.1	.6	10			FC37			
847	10-8	0957 1010	"	8.3	6.92	0.71		4.9	.6	10			"			
848	10-15	0955 1005	"	7.9	6.88	0.89		6.1	.5	9			"			
849	10-22	1012 1025	"	7.4	6.54	0.90		5.9	.6	9			"			
850	10-29	0955 1010	"	8.3	6.96	0.76		5.3	.6	10			"			
851	11-5	1014 1028	"	8.8	6.88	0.84		5.8	.6	10			"			
852	11-12	1520 1535	"	8.8	7.93	1.03		8.2	.6	10			"			
853	11-19	0940 0955	"	9.5	8.85	1.29		11.4	.6	11			"			
854	11-25	0920 0955	"	9.5	9.50	1.27		12.1	.6	11			"			
855	12-4	0945 0955	"	9.2	8.69	1.50		13.0	.6	10			"			
856	12-10	1000 1015	"	9.5	9.74	1.30		12.7	.6	11			"			
857	12-17	1026 1040	"	9.5	9.11	1.40		12.8	.6	12			"			
858	12-23	0932 0947	"	9.5	8.63	1.16		10.0	.6	12			"			
859	12-31	0951 1006	"	9.4	9.27	1.21		11.2	.6	12			"			
860	1-7	0937 0952	"	9.2	8.58	1.21		10.4	.6	12			"			
861	1-14	1300 1315	"	10.0	8.46	1.37		11.6	.6	11			"			
862	1-28	0932 0944	"	22.0	9.73	1.91		18.6	.5	10			"			
863	2-4	1020 1040	"					CHANNELS					15.2	.6	18	"
864	2-11	0948 1003	"	21.0	16.6	0.88		14.6	.6	12			"			
865	2-18	1011 1050	"					CHANNELS					18.2	.6	22	"
866	2-25	0925 0955	"										17.2	.6	24	"
867	3-4	0940 1005	"										18.7	.6	24	"
868	3-11	0950 1025	"										16.1	.6	22	"
869	3-18	0959 1013	"	20.0	10.5	1.76		18.5	.6	11			"			
870	4-1	1009 1014	"	12.5	14.9	1.34		20.0	.6	10			"			
871	4-8	0940 0957	"	12.0	13.2	1.24		16.4	.6	10			"			
872	4-15	0952 1006	"	11.5	12.4	1.21		15.0	.6	10			"			
873	4-22	1020 1030	"	10.0	9.14	1.82		14.8	.6	11			"			
874	4-29	1006 1018	"	12.0	13.0	1.21		15.7	.6	9			"			
875	5-6	1450 1455	WADDICOR-DE MARS	10.6	9.6	0.93		8.9	.6	10			"			
876	5-13	1422 1432	WADDICOR-SPELLMAN	8.0	6.59	1.23		8.1	.6	9			"			
877	5-20	0935 0947	WADDICOR	10.0	8.45	1.46		12.3	.6	9			"			
878	5-27	0935 0948	"	9.0	7.39	1.07		7.9	.6	9			"			
879	6-3	0945 0959	"	9.0	7.35	0.95		7.0	.6	10			"			
880	6-10	1000 1015	"	11.0	9.62	0.76		7.3	.6	12			"			
881	6-17	1005 1017	"	9.2	7.44	0.63		4.7	.6	9			"			
882	6-23	1015 1025	WADDICOR-DE MARS	3.3	5.84	0.74		4.3	.6	10			"			
883	7-1	1050 1105	DE MARS	8.0	5.96	0.72		4.3	.6	9			FC34			
884	7-8	1100 1110	"	8.1	5.03	0.58		2.9	.6	9			"			
885	7-15	1110 1122	WADDICOR	7.2	4.13	0.53		2.2	.6	8			FC52			
886	7-22	1505 1518	"	7.4	1.95	0.82		1.6	.6	9			"			
887	7-29	1420 1432	"	6.1	1.48	1.28		1.9	.6	8			"			
888	8-5	1025 1030	DE MARS	6.2	2.17	0.83		1.8	.6	7			FC52			
889	9-24	1015 1025	WADDICOR	9.3	6.68	1.06		7.1	.6	8			FC37			
890	9-27	1445 1458	"	9.7	8.86	0.61		5.4	.6	11			"			

Factor "0"  
 DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER FBG-S  
 below Standefer Ditch DURING THE YEAR ENDING SEPTEMBER 30, 1956

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	DAY	MONTH	YEAR	WT. CHANGE TOTAL	METER NO.
891	10-1	1005 1020	WADDICOR	13.0	9.89	0.69		6.8			.6	12	FC37
892	10-7	1022 1036	"	13.3	10.9	0.66		7.2			.6	11	"
893	10-14	1020 1033	"	9.1	8.37	1.33		11.1			.6	10	"
894	10-21	1027 1043	"	9.1	8.22	1.16		9.5			.6	11	"
895	10-28	1107 1122	"	9.1	8.04	1.29		10.4			.6	10	"
896	11-8	1030 1043	WADDICOR-GODFREY	11.2	20.8	2.90		60.3			.6	13	"
897	11-10	0815 0830	WADDICOR	9.4	9.49	1.58		15.0			.6	10	"
898	11-18	0820 0840	"	29.0	26.9	2.92		78.7			.6	16	"
899	11-22	1310 1330	"	25.2	22.2	2.98		66.2			.6	15	"
900	11-24	0837 0854	WADDICOR-VAN ALLEN	21.7	23.5	3.40		79.8			.6	15	"
901	11-24	1348 1359	"	15.2	20.5	3.35		68.7			.6	17	"
902	11-24	1448 1500	"	14.8	20.2	3.00		60.5			.6	12	"
903	11-30	0932 0948	WADDICOR	15.0	23.0	3.12		71.8			.6	13	"
904	11-30	1015 1030	"	15.0	19.9	3.07		61.0			.6	13	"
905	12-1	1340 1355	"	15.8	11.7	1.26		14.8			.6	14	"
906	12-2	0935 0955	"	15.8	9.82	1.46		14.3			.6	15	"
907	12-9	0920 0935	"	34.6	31.6	2.74		86.7			.6	12	"
908	12-15	1045 1105	"	21.0	10.7	1.68		18.0			.6	13	"
909	12-21	0830 0850	"	25.0	12.0	1.54		18.5			.6	14	"
910	12-23	1002 1028	"	25.0	12.9	1.62		20.9			.6	17	"
911	12-30	1000 1022	"	23.7	12.0	1.51		18.1			.6	16	"
912	1-7	1535 1553	"	31.7	13.4	1.50		20.1			.6	17	"
913	1-13	1005 1022	"	24.4	14.5	1.63		23.7			.6	14	"
914	1-20	1010 1045	"		CHANNELS			21.6			.6	25	"
915	1-27	0952 1027	"		"			19.4			.6	26	"
916	2-4	1100 1121	DE MARS		"			21.3			.5	19	FC34
917	2-10	0953 1025	WADDICOR		"			17.7			.6	27	FC37
918	2-16	0935 1022	"		"			21.8			.5	24	"
919	2-24	0942 1010	"		"			21.6			.6	24	"
920	3-3	0940 1000	"	27.0	16.6	1.22		20.3			.6	15	"
921	3-10	0950 1020	"		CHANNELS			15.4			.6	22	"
922	3-17	1010 1037	"		"			15.0			.6	21	"
923	3-24	0947 1005	"		"			16.6			.6	19	"
924	3-31	0940 0952	"	13.5	22.0	0.35		7.8			.6	11	"
925	4-7	0840 0852	"	18.0	16.6	0.52		8.6			.6	11	"
926	4-14	1440 1510	"		CHANNELS			10.6			.6	22	"
927	4-29	1000 1100	"		TWO CHANNELS			12.4			.6	27	FC52
928	5-6	1420 1502	"		"			12.0			.6	21	FC37 FC52
929	5-12	0912 0950	"		"			17.1			.6	24	"
930	5-19	0920	"		"			17.0			EST.		"
931	5-26	1027 1040	"		TWO CHANNELS			11.3			.6	19	FC37 FC52
932	6-2	1015 1045	WADDICOR-SADDORIS		"	"		10.9			.6	17	FC52
933	6-9	0930 0950	WADDICOR		"	"		8.6			.6	15	"
934	6-16	1007 1030	"		"	"		7.4			.6	15	"
935	6-22	1000 1015	"	8.8	7.40	1.03		7.6			.6	10	"
936	6-30	0938 0953	"	9.0	7.47	0.87		6.5			.6	11	"
937	7-7	0825 0852	GODFREY	8.9	6.94	0.81		5.6			.6	18	"
938	7-14	1135 1155	"	9.2	6.66	0.67		4.4			.6	14	"
939	7-21	1010 1025	WADDICOR	8.8	6.50	0.48		3.1			.6	10	"
940	7-28	0927 0942	"	8.7	6.60	0.53		3.5			.6	10	"
941	8-4	0937 0952	"	8.9	6.59	0.44		2.9			.6	11	"
942	8-11	0905 0920	"	8.6	6.06	0.33		2.0			.6	11	"
943	8-18	0909 0922	"	8.6	6.14	0.37		2.3			.6	11	"
944	8-25	0932 0946	"	8.5	5.92	0.35		2.1			.6	10	"
945	9-1	0842 0855	"	8.2	5.62	0.36		2.0			.6	10	"
946	9-8	1125 1140	WADDICOR-SCOTT	7.1	4.64	0.18		0.83			.6	10	"
947	9-15	0915 0930	WADDICOR	7.4	4.73	0.19		0.89			.6	10	"
948	9-22	0945 0958	"	8.0	5.10	0.29		1.5			.6	9	"
949	9-29	0942 0955	"	8.1	5.36	0.41		2.3			.6	11	"



FD-224 (Rev. 12-53)

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. \_\_\_\_\_

Daily discharge, in second-feet of RISING WATER at Whittier Narrows for the year ending September 30, 19 54

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	15.4	13.9	24.5	21.8	26.2	29.4	34.9	24.9	21.9	14.2	9.4	10.4
2	15.1	14.1	24.7	21.7	26.6	29.5	34.1	23.8	21.7	13.9	9.3	9.9
3	14.9	14.3	24.9	21.5	26.9	29.5	33.4	22.7	21.5	13.6	9.2	10.2
4	14.6	14.4	25.1	21.3	27.3	29.6	32.6	21.6	21.5	13.3	9.1	10.5
5	14.4	14.6	24.6	21.1	27.4	29.3	31.9	20.4	21.4	12.9	9.0	10.7
6	14.1	15.1	24.6	21.0	27.4	29.0	31.1	19.3	21.4	12.6	9.1	11.0
7	13.9	15.6	24.4	20.8	27.5	28.8	30.4	20.5	21.3	12.3	9.1	11.3
8	13.6	16.1	24.1	21.1	27.6	28.5	29.6	21.7	21.3	12.0	9.2	11.6
9	13.7	16.6	23.8	21.5	27.7	28.2	29.3	22.8	21.2	11.8	9.2	11.8
10	13.8	17.1	23.6	21.8	27.7	27.9	29.1	24.0	21.2	11.6	9.3	12.1
11	13.9	17.6	23.6	22.2	27.6	27.7	28.8	23.2	20.5	11.5	9.3	12.4
12	14.0	18.1	23.6	22.5	28.3	28.2	28.5	26.4	19.7	11.3	9.4	12.6
13	14.1	18.7	23.6	22.9	28.9	28.7	28.2	27.6	19.0	11.1	9.6	13.2
14	14.2	19.3	23.7	23.2	29.4	29.2	28.0	26.9	18.3	10.9	9.8	13.5
15	14.3	19.9	23.7	23.2	29.9	29.7	27.7	26.2	17.6	10.7	10.0	13.8
16	14.3	20.6	23.7	23.3	30.4	30.2	27.5	25.5	16.8	10.6	10.2	14.2
17	14.3	21.2	23.7	23.3	31.0	30.7	27.4	24.8	16.1	10.5	10.4	14.4
18	14.3	21.8	23.1	23.4	31.5	31.2	27.2	24.1	15.9	10.4	10.6	14.6
19	14.2	22.4	22.5	23.4	31.2	31.5	27.0	23.4	15.8	10.3	10.6	14.8
20	14.2	22.6	22.0	23.5	30.8	31.9	26.8	22.7	15.6	10.2	11.0	15.1
21	14.2	22.7	21.4	23.5	30.5	32.2	26.7	22.7	15.4	10.2	11.3	15.3
22	14.2	22.9	20.8	23.7	30.1	32.5	26.5	22.8	15.3	10.1	11.5	15.5
23	14.1	23.1	20.2	23.8	29.6	32.8	26.6	22.8	15.1	10.0	11.7	15.7
24	14.0	23.2	20.2	23.8	29.4	33.1	26.7	22.9	15.0	10.0	12.0	16.1
25	13.9	23.4	20.6	24.2	29.1	33.5	26.8	22.9	14.9	10.0	12.2	16.4
26	13.7	23.6	20.9	24.4	29.2	33.7	26.8	23.0	14.8	9.9	12.5	16.9
27	13.6	23.8	21.1	24.5	29.2	33.9	26.9	23.0	14.7	9.8	12.7	17.3
28	13.5	24.0	21.3	24.7	29.3	34.1	27.0	22.8	14.5	9.6	12.2	17.8
29	13.4	24.2	21.6	25.1	29.4	34.3	27.1	22.6	14.4	9.7	11.6	18.2
30	13.6	24.3	21.8	25.4	29.5	34.5	27.0	22.4	14.3	9.6	11.3	18.6
31	13.7	24.4	22.0	25.6	29.6	34.7	27.1	22.1	14.3	9.5	10.8	19.0
	437.2	549.2	709.6	713.6	808.1	958.0	860.6	724.5	538.1	344.2	323.0	416.2
MEAN	14.1	19.6	22.9	23.0	28.9	30.9	28.8	23.4	17.9	11.1	10.4	13.9
ACRE- FEET	857.	1170.	1410.	1420.	1600.	1900.	1700.	1440.	1070.	683.	641.	826.
Remarks:									YEAR OR PERIOD	MEAN ACRE-FEET	20.3	14720.

FD-224 (Rev. 12-53)

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Sta. No. \_\_\_\_\_

Daily discharge, in second-feet of RISING WATER at Whittier Narrows for the year ending September 30, 19 55

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	19.0	19.0	25.7	29.6	33.7	32.1	26.7	22.0	20.1	13.4	8.6	6.5
2	19.2	19.0	26.2	29.8	33.9	31.8	26.6	22.0	20.0	13.2	8.5	6.5
3	19.5	19.0	26.1	30.0	34.1	31.5	26.4	22.0	20.0	13.1	8.4	6.0
4	19.7	19.0	26.1	30.2	34.4	30.8	26.3	22.0	19.7	13.0	8.3	5.8
5	20.0	19.8	26.0	30.4	33.5	30.0	26.1	22.0	18.9	12.9	8.1	5.8
6	20.2	20.6	25.9	30.6	32.6	29.3	26.1	22.0	18.5	12.7	8.0	5.6
7	20.4	21.4	25.8	30.8	31.7	28.5	25.8	23.8	18.1	12.6	7.8	5.5
8	20.5	22.3	25.7	31.8	30.8	27.8	25.5	24.7	17.8	12.3	7.7	5.3
9	20.3	23.1	25.7	32.7	29.9	27.1	25.3	25.7	17.4	12.1	7.5	5.2
10	20.2	24.0	25.7	33.7	29.0	26.4	25.0	26.6	17.1	11.8	7.4	5.2
11	20.1	23.8	27.8	34.6	29.7	26.4	24.8	27.5	16.8	11.5	7.2	5.1
12	20.0	23.6	29.8	35.6	30.5	26.4	24.5	28.4	16.5	11.2	7.2	5.0
13	19.9	23.4	29.9	36.5	31.2	26.4	24.3	28.1	16.3	11.0	7.2	4.9
14	19.9	23.2	31.0	36.5	32.0	26.4	24.0	27.9	16.0	10.7	7.2	4.8
15	19.6	23.0	32.0	36.4	32.7	26.4	24.0	27.6	15.7	10.4	7.3	4.8
16	19.3	22.9	32.0	36.4	33.5	26.4	24.0	27.3	15.4	10.2	7.3	4.9
17	19.0	22.7	32.1	36.3	33.5	26.4	24.0	27.1	15.2	9.9	7.3	5.0
18	18.7	22.5	32.2	36.3	33.5	26.6	24.0	26.8	14.9	9.7	7.3	5.1
19	18.4	22.4	32.3	36.3	33.5	26.7	24.0	26.5	14.7	9.4	7.2	5.1
20	18.1	22.3	32.4	36.2	33.5	26.9	24.0	25.7	14.5	9.2	7.1	5.2
21	17.6	22.1	32.5	36.2	33.6	27.0	24.0	24.9	14.3	8.9	7.0	5.3
22	17.9	22.0	32.6	35.5	33.6	27.2	23.7	24.1	14.0	8.9	7.0	5.4
23	18.1	21.8	32.6	34.9	33.6	27.3	23.4	23.3	13.8	8.9	6.9	5.5
24	18.2	21.7	32.1	34.3	33.6	27.5	23.1	22.5	13.8	8.9	6.8	5.6
25	18.4	22.2	30.6	33.6	33.3	27.4	22.9	21.7	13.7	9.0	6.7	5.7
26	18.8	22.8	31.1	33.0	33.0	27.3	22.6	20.9	13.7	9.0	6.7	5.9
27	18.7	23.4	30.6	32.4	32.7	27.2	22.3	20.8	13.6	9.0	6.7	6.0
28	18.9	23.9	30.2	32.6	32.4	27.2	22.0	20.6	13.6	9.0	6.6	6.1
29	18.9	23.7	29.7	32.6	32.6	27.1	22.0	20.5	13.5	8.9	6.6	6.2
30	18.9	23.1	29.2	33.1	32.6	27.0	22.0	20.4	13.5	8.8	6.6	6.2
31	18.9	22.9	29.4	33.4	32.6	26.9	22.0	20.2	13.5	8.7	6.5	6.2
	595.2	666.5	911.0	1042.5	913.0	859.4	729.3	746.5	480.3	328.3	226.7	165.5
MEAN	19.2	22.2	29.4	33.6	32.6	27.7	24.3	24.1	16.0	10.6	7.31	5.52
ACRE- FEET	1180.	1320.	1810.	2070	1810.	1700.	1450.	1480.	953.	651.	450.	328.
Remarks:									YEAR OR PERIOD	MEAN ACRE-FEET	21.0	15,200.



MISCELLANEOUS MEASUREMENTS

DISCHARGE MEASUREMENTS OF SANTA CLARA RIVER DRAINAGE AREA  
 AT NEAR Miscellaneous Points DURING THE YEAR ENDING SEPTEMBER 30, 19 54

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	MEAN SEC. NO.	Q. INT. CHANGE TOTAL	METER NO.
			SANTA CLARA RIVER	1 mile	below	Ravenna							
16	10-15	0921 0930	TURNER	3.4	1.50	1.40	2.1	.6	6				FC43
17	11-19	1433 1445	HYDE	3.8	2.00	0.85	1.7	.5	9				FC35
18	12-17	1009 1015	TURNER	3.4	2.15	0.98	2.1	.6	6				FC43
19	1-15	1015 1025	"	4.0	2.59	0.74	1.9	.6	7				"
20	2-18	1014 1020	"	5.9	2.64	1.08	2.8	.6	8				"
21	3-24	1015 1025	"	6.2	3.84	1.18	4.3	.6	8				"
22	4-21	1011 1020	"	5.2	3.54	1.02	3.6	.6	8				"
23	5-19	1025 1035	"	5.8	4.90	0.63	3.1	.6	8				"
24	6-17	0930 0936	TURNER-HYDE	6.0	5.72	0.56	3.2	.6	7				"
25	8-12	1005 1015	TURNER	4.1	3.02	0.83	2.5	.6	6				"
26	9-16	0835 0842	"	5.4	2.86	0.73	2.1	.6	7				"

DISCHARGE MEASUREMENTS OF SANTA CLARA RIVER DRAINAGE AREA  
 AT NEAR Miscellaneous Points DURING THE YEAR ENDING SEPTEMBER 30, 19 55

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	MEAN SEC. NO.	Q. INT. CHANGE TOTAL	METER NO.
			SANTA CLARA RIVER	1 mile	below	Ravenna							
27	10-14	1025 1035	TURNER	5.8	2.05	0.88	1.6	.5	7				FC43
28	11-17	1010 1016	HYDE	4.0	1.72	1.05	1.8	.5	6				FC35
29	12-21	0855 0902	TURNER	5.5	1.77	1.13	2.0	.5	7				FC43
30	1-20	0935 0940	TURNER-WHISLER	5.0	1.80	1.22	2.2	.6	6				"
31	2-16	0830 0900	TURNER	4.6	2.02	1.29	2.6	.5	7				"
32	3-16	1007 1015	"	4.0	1.87	1.12	2.1	.5	6				"
33	4-14	0910 0920	"	3.0	1.35	1.56	2.1	.5	6				"
34	5-18	0935 0942	"	4.0	2.32	1.08	2.5	.5	6				"
35	6-8	0953 1000	SADDORIS-TURNER	4.0	2.59	0.77	2.0	.5	7				"
36	7-20	0941 0950	TURNER	4.4	2.70	0.74	2.0	.5	7				"
37	8-11	1005 1015	"	4.2	2.06	0.97	2.0	.5	6				"
38	9-8	1020 1030	WHISLER	4.0	1.51	0.99	1.5	.5	10				FC60

DISCHARGE MEASUREMENTS OF SANTA MONICA MOUNTAIN - COASTAL DRAINAGE AREA  
 AT NEAR Miscellaneous Points DURING THE YEAR ENDING SEPTEMBER 30, 19 54

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	MEAN SEC. NO.	Q. INT. CHANGE TOTAL	METER NO.
			ARROYO SECUIT	at	Hulholland	Drive							
1	10-28	1036 1041	MOON	0.50	0.02	2.00	0.04	.5	3				FC48
2	11-5	1530 1535	"	0.50	0.03	1.33	0.04	.5	3				"
3	11-12	1545 1548	"	0.50	0.02	1.50	0.03	.5	3				"
4	11-19	1440 1445	"	0.50	0.02	2.00	0.04	.5	3				"
5	12-3	1445 1447	"	0.50	0.02	2.00	0.04	.5	5				"
6	12-10	1430 1435	"	0.50	0.02	1.00	0.02	.5	3				"
7	12-23	1350 1353	"	0.50	0.02	1.88	0.03	.5	3				"
8	1-7	1505 1507	"	0.50	0.02	1.00	0.02	.5	3				"
9	1-13	1530 1532	"	0.50	0.02	1.50	0.03	.5	3				"
10	2-4	1523 1525	"	0.50	0.02	2.00	0.04	.5	3				"

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. ING	METH. OD	MEAN SEC. NO.	Q. INT. CHANGE TOTAL	METER NO.
11	2-15	1343 1350	MOON-SPELLMAN	17.0	11.7	1.83	21.4	.6	10				FC29
12	2-19	0915 0925	MOON	7.0	5.30	0.89	4.7	.5	8				"
13	2-25	1530 1537	"	5.0	3.17	0.66	2.1	.6	6				"
14	3-4	1350 1440	"	3.5	2.23	1.21	2.7	.6	8				"
15	3-11	1430 1440	"	3.5	2.05	1.02	2.1	.6	7				"
16	3-17	1245 1300	MOON-SPELLMAN	3.6	2.36	0.76	1.8	.5	8				"
17	3-22	1000 1010	"	6.5	5.00	1.14	5.7	.6	8				"
18	3-25	1310 1320	MOON	6.4	4.76	1.07	5.1	.6	8				"
19	3-31	1330 1346	MOON-SPELLMAN	12.0	10.9	1.88	20.4	.6	13				"
20	4-8	1415 1425	MOON	7.0	5.82	0.93	5.4	.6	9				"
21	4-22	1315 1325	MOON	7.0	5.00	0.52	2.6	.6	8				"
22	4-28	1300 1310	"	6.0	4.00	0.45	1.8	.6	7				FC48
23	5-13	1340 1350	"	3.5	2.60	0.36	0.94	.6	8				"
24	5-20	1345 1355	HYDE	4.0	2.80	0.24	0.68	.6	6				FC35
25	6-3	1350 1400	MOON-LINDSAY	3.5	2.17	0.23	0.51	.6	7				FC48
26	6-16	1400 1410	MOON	3.0	1.70	0.28	0.47	.6	7				"
27	6-30	1440 1450	"	3.0	1.95	0.25	0.49	.6	7				"
28	7-15	1515 1525	"	2.0	0.24	0.96	0.23	.5	7				"
29	7-29	1305 1312	"	1.4	0.19	1.00	0.19	.5	6				"
30	8-12	1442 1443	"	1.4	0.16	1.06	0.17	.5	3				FC29
31	8-26	1345 1350	"	1.2	0.14	0.86	0.12	.5	5				FC48
32	9-8	1445 1410	"	1.5	0.19	0.68	0.13	.5	5				"
33	9-23	1445 1450	"	1.2	0.15	0.47	0.07	.5	5				"

DISCHARGE MEASUREMENTS OF SANTA MONICA MOUNTAIN - COASTAL DRAINAGE AREA  
 AT NEAR Miscellaneous Points DURING THE YEAR ENDING SEPTEMBER 30, 19 55

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	MEAN SEC. NO.	Q. INT. CHANGE TOTAL	METER NO.
			ARROYO SECUIT	at	Hulholland	Drive							
34	10-7	1430 1433	MOON	1.2	0.10	0.70	0.07	.5	3				FC48
35	10-21	1400 1403	"	1.0	0.08	0.62	0.05	.5	3				"
36	11-9	1400 1403	"	1.0	0.06	0.50	0.03	.5	3				"
37	12-9	1340 1343	"	1.0	0.05	0.06	0.03	.5	3				"
38	12-22	1430 1433	"	0.6	0.04	0.75	0.03	.5	3				"
39	1-14	1240	"	0.6	0.04	0.75	0.03	.5	3				"
40	1-27	1345 1350	"	1.30	0.16	0.75	0.12	.5	5				"
41	2-3	1305 1312	"	1.50	0.22	0.82	0.18	.5	6				"
42	2-14	1040 1047	"	1.5	0.26	0.85	0.22	.5	6				"
43	3-3	1310 1317	"	1.4	0.28	1.14	0.32	.5	6				"
44	3-16	1100 1107	"	1.4	0.30	1.30	0.39	.5	6				"
45	3-31	0830 0837	"	1.4	0.30	1.27	0.38	.5	6				FC23
46	4-14	1310 1317	"	1.5	0.29	1.10	0.32	.5	6				FC23
47	4-20	1035 1040	MOON-HYDE	1.5	0.24	1.17	0.28	.5	6				FC48
48	5-2	1350 1358	MOON	1.5	0.21	1.14	0.24	.5	6				FC29
49	5-19	1258 1305	WHISLER	1.5	0.17	1.09	0.18	.6	5				"
50	6-2	1322 1330	MOON	1.5	0.24	0.96	0.23	.5	6				FC48
51	6-16	1322 1328	MOON-LINDSAY	1.4	0.27	0.96	0.26	.5	6				"
52	7-7	1345 1400	HYDE	4.0	2.12	0.15	0.31	.6	5				"
53	7-21	1245 1251	"	1.5	0.19	0.84	0.16	.5	5				"
54	8-4	1500 1506	MOON	1.5	0.21	0.76	0.16	.5	6				"
55	8-18	1326 1330	HYDE	1.3	0.12	0.84	0.10	.5	5				"
56	9-1	1418 1424	DEMARS-HYDE	0.7	0.11	1.00	0.11	.5	4				FC48
57	9-15	1310 1315	DEMARS-HOLLERON	0.75	0.07	0.43	0.03	.5	6				"
58	9-29	1430 1440	DEMARS-LINDSAY	0.75	0.06	0.50	0.03	.5	6				"

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER DRAINAGE AREA

Miscellaneous Points DURING THE YEAR ENDING SEPTEMBER 30, 1951

NO.	DATE	SECT. NO.	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INB.	METH. DO.	MEAN REC. NO.	R. HT. CHANGE TOTAL	METER NO.
18	9-8	0852 0905	HYDE	9.9	5.75	2.03		11.7	.6	9		FC35	
19	9-8	1000 1018	HYDE-ELY	12.0	14.0	2.04		28.6	.6	13		"	
20	9-8	1103 1123	HYDE	11.7	13.9	1.98		27.6	.6	13		"	
21	9-8	1143 1205	"	11.7	13.2	2.04		27.0	.6	14		"	
22	9-13	1326	"	14.0	21.5	2.19		47.0	.6	16		"	
23	9-13	1455 1515	"	13.0	15.5	2.09		32.4	.6	14		"	
24	9-16	1018 1040	"	11.5	14.3	2.13		30.4	.6	14		"	
25	9-23	0748 0806	"	12.5	13.2	1.98		26.1	.6	14		"	
26	9-23	1006 1024	"	11.0	9.95	2.15		21.4	.6	14		"	
27	9-23	1213	"	10.5	9.35	1.97		18.4	.6	13		"	
28	9-23	1510 1522	"	11.0	9.39	1.80		16.9	.6	14		"	
29	9-26	1041 1051	BLAKELY	11.0	8.69	1.74		15.1	.6	12		FC24	
30	9-30	1332 1342	"	11.3	9.67	1.84		17.8	.6	12		"	
BIG TUJUNGA CREEK below Bib Tujunga Dam													
BIG TUJUNGA CREEK above Hansen Dam													
64	3-1	1345 1355	BLAKELY-HYDE	34.5	43.8	3.56		156.	.6	10		FC24	
65	3-1	1412 1418	"	30.5	32.3	4.12		133.	.6	10		"	
66	3-1	1448 1500	"	47.0	40.8	3.50		143.	.6	17		"	
67	3-2	1449 1466	BLAKELY-HYDE	41.0	39.9	3.73		149.	.6	13		FC24	
68	3-2	1515 1525	"	31.0	33.3	4.38		146.	.6	11		"	
LOS ANGELES RIVER above Victory Boulevard													
88	10-1	1120 1130	LUCE	17.0	8.43	0.49		4.1	.6	9		FC41	
89	10-8	1095 1110	"	16.0	8.38	0.44		3.7	.6	9		"	
90	10-15	0930 0945	"	15.5	9.18	0.39		3.6	.6	10		"	
91	10-22	1640 1650	"	14.0	8.93	0.44		3.9	.6	9		"	
92	10-28	1222 1230	"	15.0	10.4	0.42		4.4	.6	10		"	
93	11-5	1145 1200	"	14.2	8.21	0.39		4.2	.6	9		"	
94	11-12	1110 1120	"	14.5	8.11	0.43		3.5	.6	9		"	
95	11-19	1330 1340	"	8.4	6.77	2.22		14.8	.6	10		"	
96	11-25	1035 1045	"	8.0	6.46	2.01		13.0	.5	10		"	
97	12-3	1130 1138	"	7.9	7.06	1.73		12.2	.6	10		"	
98	12-10	1145 1155	"	19.0	13.5	0.80		10.8	.5	12		"	
99	12-17	1440 1450	"	19.0	13.3	0.86		11.4	.6	12		"	
100	12-23	1119 1123	"	19.5	13.7	0.95		11.6	.6	13		"	
101	12-31	0922 0956	"	14.5	11.2	1.04		11.6	.6	10		"	
102	1-7	1250 1300	"	14.0	12.1	1.19		14.4	.6	9		"	
103	1-14	1108 1116	"	18.5	7.91	1.47		11.6	.5	12		"	
104	1-21	1330 1340	"	13.1	14.3	1.64		23.5	.6	10		"	
105	1-28	1245 1255	"	19.6	10.3	1.47		15.1	.6	12		"	
106	2-4	1205 1215	LUCE	19.3	12.4	1.77		22.0	.6	12		FC41	
107	2-11	1045 1055	"	18.0	12.2	1.23		15.0	.5	12		"	
108	2-18	1323 1352	"	17.5	12.6	1.22		16.6	.6	11		"	
109	2-25	0915 0925	"	17.0	14.4	1.35		19.4	.6	11		"	
110	3-4	1150 1200	"	16.3	13.1	1.04		13.6	.6	11		"	
111	3-11	1555 1504	GODFREY	14.0	11.0	1.15		12.7	.6	9		FC28	
112	3-18	1100 1110	LUCE	14.0	13.0	1.34		17.5	.6	9		FC41	
113	3-25	1205 1210	"	19.0	15.1	1.70		25.7	.6	12		"	
114	4-1	1348 1358	"	17.0	11.9	1.38		16.4	.6	11		"	
115	4-8	1210 1218	"	16.0	11.2	1.41		15.8	.6	9		"	
116	4-15	1045 1055	"	15.0	10.0	1.48		14.8	.6	9		"	
117	4-22	1110 1120	"	15.7	12.3	1.37		16.9	.6	9		"	
118	4-29	1020 1030	"	15.8	13.4	1.43		19.1	.6	10		"	
119	5-6	1410 1420	"	7.0	4.09	0.88		3.6	.5	8		"	
ARROYO SECO below Devils Gate Dam													
153	1-26	1336 1347	STUNDEN-MURPHY	8.8	7.60	2.62		19.9	.6	10		FC36	
154	3-11	0930 0940	STUNDEN	2.4	0.29	1.34		0.39	.5	6		FC50	
155	4-2	1140 1146	WHISLER	3.0	0.39	1.15		0.45	.6	7		"	
156	5-20	1510 1516	STUNDEN	1.6	0.24	1.21		0.29	.6	5		"	
157	6-10	1215 1215	"	1.0	0.09	0.44		0.04	.5	5		"	
158	7-1	1225 1235	MOON	4.0	1.14	1.40		1.6	.5	9		FC48	
159	7-8	1055 1110	"	4.8	1.63	1.10		1.8	.5	11		"	
160	7-15	1400 1410	STUNDEN	2.4	0.88	1.24		1.1	.5	6		FC50	
161	7-26	0900 0910	"	0.70	0.05	1.20		0.06	.5	4		"	
ARROYO SECO - Pasadena Water Department Tunnel													
1	3-5	1230	STUNDEN					.54	0.55			90° V-NOTCH WEIR	
2	3-11	0950	"					.54	0.55			"	
3	3-17	1450	"					.54	0.55			"	
4	3-25	1005	"					.58	0.63			"	
5	5-20	1525	"					.56	0.60			"	
6	6-3	0830	"					.51	0.47			"	
7	6-10	1230	"					.50	0.45			"	
8	6-17	1300	MOON					.48	0.41			"	
9	7-15	1420	STUNDEN					.54	0.55			"	
10	7-22	1530	"					.36	0.20			"	
11	7-29	1600	"					.33	0.16			"	
12	8-4	1350	"					.30	0.13			"	
13	8-12	0815	"					.29	0.12			"	
14	8-18	1000	"					.25	0.08			"	
15	8-26	1345	"					.21	0.05			"	
16	9-2	1545	"					.19	0.04			"	
17	9-8	1530	"					.17	0.03			"	
18	9-15	1505	"					.18	0.04			"	
19	9-23	1500	"					.16	0.03			"	
20	9-30	1500	"					.15	0.02			"	

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER DRAINAGE AREA  
 AT NEAR Miscellaneous Points DURING THE YEAR ENDING SEPTEMBER 30, 1954

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. INB	METH. CD	MEAN SEC. NO.	S. MT. CHANGE TOTAL	METER NO.	
			PACQUIMA WASH below Lopez Flood Control Basin											
1	5-3	0733 0737	BLAKELY	2.0	0.08	2.38		0.19		5				
2	5-3	1410 1416	"	1.6	0.08	2.25		0.18		5				
3	5-4	0810 0816	"	2.5	0.16	3.19		0.51		6				
4	5-4	1810 1816	"	2.2	0.12	2.92		0.35		6				
5	5-5	0754 0800	"	1.9	0.07	2.71		0.19		5				
6	5-5	1445 1452	"	1.9	0.07	2.57		0.18		5				
7	5-7	1115 1121	"	3.3	0.36	4.44		1.6		8				
8	5-9	0905	HYDE	2.0	0.10	3.40		0.34		3				
9	5-10	0750	"	1.3	0.02	2.00		0.04		3				
10	5-13	0735 0738	"	1.7	0.10	1.80		0.18		5				
11	5-13	2134 2140	BLAKELY	1.7	0.10	2.50		0.25		6				
12	5-14	0735 0738	HYDE	1.5	0.05	3.00		0.15		4				
13	5-15	1234 1240	BLAKELY	1.8	0.09	2.44		0.22		5				
14	5-16	0750 0755	HYDE	1.8	0.05	2.80		0.14		5				
15	5-17	0745 0750	"	1.8	0.06	2.33		0.14		5				
16	5-19	0835 0840	"	1.5	0.03	1.67		0.05		4				
			BIG TUJUNGA CREEK below Big Tujunga Dam											
31	5-25	1210 1218	BLAKELY	8.5	6.10	1.03		6.3		9			FC24	
			BIG TUJUNGA CREEK above Hansen Dam											
69	9-29	1650 1700	TURNER	CHANNELS					3.1		6	12		FC43
			LOS ANGELES RIVER above Victory Boulevard											
137	9-22	1327 1340	BLAKELY-SCOTT	11.9	13.0	2.80		36.4		6	14		FC24	
			ARROYO SECO below Devil's Gate Dam											
162	11-17	1230 1240	STUNDEN	1.8	0.21	1.08		0.24		5	6		FC50	
163	11-19	0825 0835	"	5.3	1.66	2.65		4.4		5	10		FC36	
164	12-8	1445 1455	"	2.2	0.37	1.27		0.47		5	6		FC50	
165	1-12	1525 1535	"	1.8	0.35	1.65		0.58		5	6		"	
166	1-20	1400 1410	"	2.5	0.47	1.06		0.90		6			FC36	
167	1-27	0715 0720	"	2.0	0.24	1.79		0.43		5	5		"	
168	2-3	1450 1500	"	1.5	0.30	0.90		0.27		5	4		"	
169	2-10	1505 1510	"	1.5	0.21	1.10		0.23		5	6		FC50	
170	2-17	1325 1329	"	1.4	0.22	1.41		0.31		5	6		"	
171	2-24	0815 0825	"	2.0	0.22	1.05		0.23		5			"	
172	3-3	1445 1450	"	1.3	0.29	1.24		0.36		5	5		"	
173	3-9	0900 0905	"	1.1	0.18	1.55		0.28		5	5		"	
174	3-17	0720 0725	"	2.0	0.29	1.10		0.32		5	6		"	
175	3-24	0740 0745	STUNDEN	1.8	0.26	1.23		0.32		5	5		FC50	
176	3-30	1420 1425	"	1.1	0.21	1.14		0.24		5	5		"	
177	4-7	0755 0800	"	1.2	0.22	1.00		0.22		5	5		"	
178	4-14	0755 0800	"	1.5	0.23	0.87		0.20		5	6		"	
179	5-2	1500 1505	"	0.5	0.02	1.50		0.03		FLOATS	2		"	
180	6-9	0850 0855	WHISLER	0.5	0.01	1.00		0.01		"	3		"	
181	7-15	1430 1440	STUNDEN-YORK	2.5	0.40	1.98		0.79		5	6		FC36	
182	7-15	1445 1450	"	2.1	0.42	2.38		1.0		5	5		"	
183	7-20	1355 1400	STUNDEN-FLANDERS	1.1	0.13	0.54		0.20		5	5		FC50	
184	7-20	1430 1430	STUNDEN	1.2	0.28	1.68		0.47		5	5		"	
185	7-21	1445 1450	STUNDEN-YORK	1.2	0.27	1.81		0.49		5	5		FC36	
186	7-21	1505 1510	STUNDEN	1.0	0.24	1.79		0.43		5	5		"	

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INB	METH. CD	MEAN SEC. NO.	S. MT. CHANGE TOTAL	METER NO.
187	7-21	1510 1515	STUNDEN-YORK	1.0	0.22	1.18		0.26		5	5		"
188	7-28	1220 1225	SADDORIS-STUNDEN	1.3	0.20	1.00		0.20		5	8		FC50
189	8-3	0950 1000	WHISLER	1.8	0.18	1.11		0.20		5	7		"
190	8-11	0850 0812	"	1.6	0.23	0.91		0.21		5	7		"
191	8-18	0835 0840	STUNDEN	1.2	0.14	0.93		0.13		5	5		"
192	8-25	1350 1355	"	1.1	0.10	1.40		0.13		5	5		"
193	9-7	0745 0750	"	1.5	0.18	1.05		0.19		5	6		"
			ARROYO SECO - PASADENA WATER DEPARTMENT TUNNEL										
21	10-7	1250	STUNDEN				1.8"	0.03					V NOTCH WEIR
22	12-8	1600 1605	"				4.1"	0.26					"
23	12-16	1135	"				3.4"	0.18					"
24	2-17	1350 1359	"	1.2	0.22	1.00		0.22		5	5		FC50
25	3-3	1520 1525	"	0.8	0.14	1.78		0.25		5	4		"
26	3-9	0910 0915	"	0.7	0.15	2.00		0.30		5	4		"
27	3-17	0710 0715	"	0.9	0.16	1.38		0.22		5	5		"
28	3-24	0725 0730	"	1.2	0.20	1.30		0.26		5	5		"
29	3-30	1415 1419	"	1.0	0.19	1.37		0.26		5	5		"
30	4-7	0740 0750	"	0.8	0.16	1.31		0.21		5	4		"
31	4-14	0750 0750	"	0.8	0.19	1.21		0.23		5	4		"
32	4-20	0920 0925	"	0.6	0.15	0.73		0.11		5	4		"
33	4-28	1425	"				4.0"	0.26					V NOTCH WEIR
34	5-5	1505 1510	"	0.9	0.13	1.25		0.15		5	4		FC50
35	5-11	0755 0800	"	1.3	0.31	0.64		0.20		5			"
36	5-19	1415 1420	"	1.1	0.32	0.90		0.27		5	5		"
37	5-26	1330 1335	"	1.6	0.49	0.49		0.24		5	6		"
38	6-1	1205 1210	"	1.0	0.30	0.77		0.23		5	5		"
39	6-30	1525	"				3.9"	0.25					V NOTCH WEIR
40	7-7	1510	"				3.8"	0.22					"
41	7-14	1340	"				3.7"	0.21					"
42	7-20	1530	STUNDEN				3.5"	0.20					V NOTCH WEIR
43	7-28	1232	"				3.3"	0.16					"
44	8-3	0930	"				3.4"	0.18					"
45	8-11	0750	WHISLER				3.3"	0.16					"
46	8-18	0845	STUNDEN				3.2"	0.14					"
47	8-25	1405	"				3.2"	0.13					"
48	9-1	1520	"				3.0"	0.13					"
49	9-7	0755	"				2.8"	0.11					"
50	9-22	1520	"				2.1"	0.05					"
51	9-29	0730	"				1.8"	0.03					"
			ARROYO SECO below Seco Street										
	3-28	1315 1320	STUNDEN	6.0	3.24	6.33		20.5		FLOATS	5		

DISCHARGE MEASUREMENTS OF RIO HONDO DRAINAGE AREA  
 AT NEAR Miscellaneous Points DURING THE YEAR ENDING SEPTEMBER 30, 1954

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. INB	METH. CD	MEAN SEC. NO.	S. MT. CHANGE TOTAL	METER NO.
			SAMPIT CREEK - Outflow from F.C. Dam										
19	6-24	1440 1442	MOON					0.12					VOLUMETRIC
20	7-1	1450	"					0.11					"
			Return from MONROYIA - SAMPIT PIPE LINE										
1	1-13	1240 1250	STUNDEN	1.5	0.42	1.40		0.59		5	6		FC50
2	3-11	1410 1420	"	1.5	0.52	1.25		0.65		5	6		"

NO.	DATE	BEIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/PER SEC.	GAUGE HEIGHT FEET	DISEMBARK RED. FT.	RAT. INR	MEAN BED. NO.	R. HT. CHANGE TOTAL	METER NO.	NO.	DATE	BEIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/PER SEC.	GAUGE HEIGHT FEET	DISEMBARK RED. FT.	RAT. INR	METH. OP.	MEAN BED. NO.	R. HT. CHANGE TOTAL	METER NO.	
			SANTA ANITA CREEK	above Santa Anita Dam									497	8-5	0840 0850	"	3.3	0.77	1.56		1.2	.5	8		"		
													498	8-12	1040 1050	"	1.7	0.88	1.70		1.5	.5	6		"		
87	1-22	1415 1430	STUNDEN		CHANNELS		2.4	.5	6	FC36			499	8-20	1230 1240	"	1.7	0.87	1.72		1.5	.5	6		"		
88	2-17	1530 1540	"				12.0	5	8	EST			500	8-26	1000 1010	"	3.2	0.88	1.60		1.4	.5	8		"		
89	2-19	1100 1115	"	5.5	1.57	6.31		9.9		SURF			501	9-2	0755 0805	"	3.3	0.90	1.55		1.4	.5	8		"		
90	4-6	1035 1050	"	5.5	3.39	2.86		9.7	.5	10		FC36	502	9-8	0800 0815	"	3.4	0.90	1.44		1.3	.5	8		"		
91	4-8	1230 1235	WHISLER	8.0	4.27	1.69		7.2	.6	9		FC5	503	9-16	0810 0820	"	1.9	0.34	1.09		0.37	.5	7		"		
92	4-13	1318 1328	"	7.8	3.51	1.42		5.0	.6	9		"	504	9-16	1515 1525	"	3.7	1.00	1.30		1.3	.5	9		"		
93	5-13	1325 1335	STUNDEN	5.0	1.65	1.64		2.7	.5	11		FC50	505	9-23	0920 0930	"	3.7	0.80	1.00		0.80	.5	9		"		
94	5-27	0800 0820	"	3.8	1.40	1.72		2.4	.5	9		"															
95	6-3	1105 1115	"	2.8	1.24	1.77		2.2	.5	7		"				SANTA ANITA CREEK - Three Cities Farms Diversion, at Weir Box											
96	6-10	0855 0805	"	2.7	1.06	1.98		2.1	.5	7		"															
97	6-17	1025 1035	MOON	7.5	2.41	1.00		2.4	.5	9		FC48	380	10-1	1600 1605	MOON	2.0	1.20	0.50		0.60	.6	2		FC29		
98	6-24	0815 0830	"	5.0	1.28	1.65		2.1	.5	11		"	381	10-15	1320 1330	STUNDEN	2.0	0.80	0.66		0.53	.5	6		FC50		
99	7-1	1010 1020	"	4.0	1.05	1.71		1.8	.5	9		"	382	10-23	1600 1610	"	2.2	0.34	0.56		0.19	.5	6		"		
100	7-15	0830 0840	STUNDEN	2.4	0.95	1.26		1.2	.5	7		FC50	383	10-29	1420 1430	"	2.2	0.44	0.89		0.39	.5	7		"		
101	7-22	1200 1210	"	2.3	0.73	1.64		1.2	.5	7		"	384	11-5	0900 0910	"	2.2	0.44	0.73		0.32	.5	6		"		
102	8-5	1430 1440	"	2.0	0.61	1.51		0.92	.5	6		"	385	11-12	1430 1440	"	2.2	0.36	0.92		0.33	.5	6		"		
103	8-12	1500 1510	"	2.0	0.61	1.54		0.94	.5	6		"	386	11-25	1425 1430	"	2.2	0.40	0.65		0.26	.5	6		"		
104	8-20	1545 1600	"	2.0	0.64	1.23		0.79	.5	7		"	387	12-3	1140 1150	"			CHANNELS		0.35	.5	12		"		
105	8-26	1105 1115	"	2.0	0.61	1.48		0.90	.5	7		"	388	12-10	0850 0900	"			"		0.43	.5	12		"		
106	9-2	0920 0930	"	2.0	0.52	1.30		0.68	.5	7		"	389	12-17	1450 1500	"			"		0.35	.5	12		"		
107	9-8	0830 0940	"	2.0	0.57	1.09		0.62	.5	6		"	390	12-23	1130 1140	"			"		0.32	.5	12		"		
108	9-16	0920 0930	"	2.0	0.54	1.15		0.62	.5	7		FC28	391	1-7	1520 1530	"			"		0.35	.5	12		"		
109	9-23	0815 0825	"	2.0	0.54	1.04		0.58	.5	7		FC50	392	2-3	1455 1505	"			"		0.60	.5	12		"		
110	9-30	0835 0845	"	2.0	0.54	1.57		0.85	.5	7		"	393	2-10	0730 0745	"			"		0.55	.5	12		"		
			SANTA ANITA CREEK	below Santa Anita Dam									394	2-12	0840 0850 0900	"					0.60	.5	12		"		
													395	3-2	1240 1250	"					0.68	.5	12		"		
													396	3-11	1240 1250	"					0.49	.5	12		"		
462	10-15	1245 1255	STUNDEN	1.9	0.93	0.95		0.89	.6	6		FC50	397	5-3	0850 0900	"					1.0	.5	11		"		
463	10-13	1630 1640	"	1.6	0.86	0.97		0.83	.5	6		"	398	6-3	1030 1040	"					0.59	.5	10		"		
464	10-29	1440 1450	"	1.8	0.82	0.94		0.86	.6	6		"	399	7-15	1100 1110	"					1.2		SURF	10			
465	11-5	0825 0835	"	1.8	0.92	0.89		0.82	.6	6		"	400	7-22	1320 1330	"					0.28	.5	7		"		
466	11-12	1410 1420	"	1.7	0.80	0.75		0.80	.5	6		"	401	7-29	1440 1450	"					0.41	.5	12		"		
467	11-19	0810 0820	"	1.0	0.21	0.26		0.08		FLOATS	4	-	402	9-30	0730 0740	"	1.0	0.16	0.31		0.05	.5	5		"		
468	11-25	1400 1410	"	1.5	0.62	0.98		0.61	.5	6		FC50															
469	12-3	1115 1125	"	1.5	0.62	1.02		0.63	.5	6		"				SANTA ANITA CREEK	above Spreading Grounds Diversion										
470	12-10	0815 0825	"	1.5	0.62	1.32		0.63	.5	6		"															
471	12-17	1430	"	1.5	0.63	1.01		0.64	.5	6		"	162	2-3	1150 1200	STUNDEN	10.5	11.8	2.20		25.8	.5	9		FC36		
472	12-23	1200 1210	"	2.3	1.14	0.54		0.61	.5	6		"	164	2-3	1230 1240	"	7.5	4.10	0.76		3.1	.5	9		"		
473	12-30	1430 1440	DE MARS - STUNDEN	1.6	0.54	1.02		0.59	.5	6		"	165	2-3	1630 1640	"	10.0	9.05	1.76		15.9	.5	11		"		
474	1-7	1640 1650	STUNDEN	1.6	0.56	1.14		0.54	.5	6		"	166	2-3	1830 1845	"	9.5	7.00	1.68		11.8	.5	10		"		
475	2-3	1430 1440	"	4.5	3.40	0.82		2.8	.6	7		FC36	167	2-16	1245 1255	STUNDEN-GODFREY	13.0	4.24	6.46		27.4	.5	10		FC12		
476	2-8	1600 1610	"	2.7	0.99	1.11		1.1	.5	7		FC12	168	2-18	1242 1258	INGRAM			CHANNELS		38.3	.5	19		"		
477	2-12	0750 0800	"	2.7	0.70	1.36		0.74	.5	7		FC50	169	2-19	1000 1020	"	12.5	10.0	3.46		34.6	.5	14		"		
478	2-23	1210 1230	"	3.0	1.70	1.62		2.9	.6	7		FC12	170	2-20	0855 0915	WHISLER	20.0	10.8	2.66		28.7	.6	20		FC5		
479	3-1	0810 0820	"	5.0	1.00	3.10		3.1		SURF	7		171	2-21	0955 1018	"	20.0	11.8	2.52		29.7	.6	17		"		
480	3-1	1725 1735	"	6.0	1.53	1.31		2.0	.5	8		"	172	2-22	0850 0910	STUNDEN	13.5	11.3	2.54		28.7	.5	15		FC12		
481	3-2	0750 0800	"	4.0	1.29	1.40		1.8	.5	8		"	173	3-19	0815 0831	"	10.5	8.56	3.69		31.6	.6	14		"		
482	3-10	1000 1010	"	2.4	0.59	2.05		1.2	.5	6		"	174	3-19	1300 1315	"	10.0	6.69	2.12		14.2	.5	12		"		
483	3-18	0820 0835	"	1.0	0.09	1.67		0.15		FLOAT	5	-	175	3-22	1615 1630	"	8.0	4.64	0.99		4.6	.6	10		"		
484	5-6	1500 1510	"	6.0	1.63	2.15		3.5	.5	8		FC12	176	3-22	1620 1630	"	9.0	5.81	1.29		7.5	.6	11		"		
485	5-13	1470 1440	"	4.5	1.31	2.36		2.7	.5	8		"	177	3-22	1600 1615	"	9.0	5.41	1.18		6.4	.5	11		"		
486	5-20	1015 1030	"	5.0	1.44	1.74		2.5	.5	11		FC50	178	3-23	0810 0820	"	8.5	5.36	0.95		5.1	.5	11		"		
487	5-27	1040 1050	"	5.0	1.45	1.65		2.4	.5	11		"	179	3-23	0850 0900	"	8.5	6.05	1.93		11.7	.5	11		"		
488	6-3	0950 1000</																									



NO.	DATE	BEVIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	RAISE HEIGHT FEET	DISCHARGE REG. FT.	RAT. INCH	METH. NO.	MEAN BEG. HGT. FEET	R. CH. CHANGE TOTAL	METER NO.	NO.	DATE	BEVIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	RAISE HEIGHT FEET	DISCHARGE REG. FT.	RAT. INCH	METH. NO.	MEAN BEG. HGT. FEET	R. CH. CHANGE TOTAL	METER NO.
515	3-23	0755 0800	STUNDEN	2.4	1.04	2.12		2.2	.5	7			FC50														
516	6-9	1135 1140	WHISLER	5.0	1.30	1.54		2.0	.6	11			"														
517	6-16	1120	"	4.0	0.94	1.91		1.8	.5	9			"														
518	7-21	1140 1152	"	4.0	0.69	1.74		1.2	.5	9			"														
519	7-28	1130 1135	STUNDEN	2.2	0.62	1.61		1.0	.5	6			"	7	4-21	1950 2010	STUNDEN-DAL CORSO	9.0	2.50	3.24		8.1	SURF	10		FC36	
520	8-11	1125 1135	WHISLER	3.5	0.76	1.32		1.0	.5	8			"	8	4-21	2055 2115	"	9.5	2.68	3.43		9.2	"	10		"	
521	8-18	1325 1335	STUNDEN	2.9	0.55	1.75		0.96	.5	7			"	9	4-21	2300 2340	"	11.0	2.70	3.30		8.9	.5	11		"	
522	8-25	0745 0755	"	2.7	0.44	1.82		0.80	.5	7			"	10	4-21	2325 2340	"	5.5	1.70	4.12		7.0	.5	7		"	
523	9-22	0715 0730	"	1.6	0.47	1.32		0.62	.5	6			"	11	4-22	0025 0040	"	5.0	1.86	3.44		6.4	.5	8		"	
524	9-29	1620 1630	"	1.6	0.43	1.33		0.57	.5	6			"	12	4-22	0140 0155	"	6.0	1.72	3.95		6.8	.5	8		"	
			SANTA ANITA CREEK			above Spreading Grounds Diversion								13	4-22	0255 0310	"	5.0	1.30	5.15		6.7	.5	6		"	
														14	4-22	0355 0410	"	5.0	1.39	4.75		6.6	.5	8		"	
														15	4-22	0500 0515	"	5.0	1.34	4.03		5.4	.5	8		"	
199	1-11	0940 0955	STUNDEN	7.5	1.61	2.92		5.0	.5	10			FC36	16	4-22	1045 1055	STUNDEN-WHISLER	5.0	1.24	3.87		4.8	.5	8		"	
200	1-12	1040 1055	"	4.5	2.27	2.29		5.2	.5	9			"	17	4-26	0730 0740	STUNDEN	3.5	0.84	3.33		2.8	.5	8		"	
201	1-17	1430 1450	"	9.5	3.86	2.88		11.1	.5	12			"	18	4-26	0810 0820	"	3.6	0.86	3.26		2.8	.5	8		"	
202	1-19	1300 1350	"	9.0	3.49	4.64		16.2	.5	11			"	19	4-26	1010 1020	"	3.0	0.89	3.03		2.7	.5	7		"	
203	2-1	1530	"	7.5	4.94	3.04		15.0	.5	12			"	20	4-27	0740	"	3.1	0.76	3.16		2.4	.5	7		"	
204	2-3	0930 0950	"	8.0	5.39	2.80		15.1	.5	15			"	21	4-28	0750 0800	"	3.2	0.82	2.68		2.2	.5	8		"	
205	2-3	1330 1350	"	8.0	5.84	3.30		19.3	.5	17			"	22	4-30	1115 1125	"	4.0	0.80	3.00		2.4	.5	9		"	
206	2-4	0830 0900	"	8.9	6.27	4.00		25.1	.6	16			"	23	4-30	1205 1215	"	3.2	0.70	3.43		2.4	.5	7		"	
207	2-21	1605 1615	"	4.0	1.20	2.01		2.4	.5	10			FC50	24	4-30	1230 1240	"	4.0	1.04	3.27		3.4	.5	9		"	
208	2-24	1330 1340	"	4.0	1.23	1.95		2.4	.5	9			"	25	4-30	1330	"	5.0	0.96	3.13		3.1	.5	9		"	
209	3-2	1520 1530	"	4.0	1.24	1.94		2.4	.5	9			"	26	4-30	1420 1430	STUNDEN-DAL CORSO	5.5	1.19	4.70		5.6	.6	11		"	
210	3-16	1030 1055	"	10.0	6.78	4.66		31.6	.5	18			FC36	27	4-30	1450 1510	"	5.5	1.62	4.68		7.6	.5	12		"	
211	3-16	1400 1420	"	9.5	5.75	5.05		29.0	.6	11			"	28	4-30	1545 1558	"	7.5	2.40	4.97		11.9	.6	9		"	
212	3-17	1755 1835	STUNDEN-BRADLEY	7.5	5.92	3.22		19.1	.5	16			"	29	4-30	1600 1615	"	12.5	3.90	6.53		25.4	.5	10		"	
213	3-18	1630 1700	STUNDEN	7.5	6.22	2.94		18.3	.5	10			"	30	4-30	1635 1650	"	12.5	4.60	6.46		29.7	.5	13		"	
214	3-30	1610 1620	"	2.5	0.86	2.67		2.3	.5	6			FC50	31	4-30	1738	"	13.0	5.15	6.92		35.6	.5	10		"	
215	4-7	1000 1010	"	2.4	1.10	2.18		2.3	.5	6			FC36	32	4-30	1810 1825	"					30.9	.5	11		"	
216	4-13	1500 1510	"	2.4	1.09	2.20		2.4	.5	6			"	33	4-30	1900 1915	"					46.7	.5	9		"	
217	4-18	1230 1300	"	8.5	7.49	3.48		26.1	.5	18			"	34	4-30	1930 1945	"	14.0	6.87	7.07		48.6	.5	14		"	
218	4-19	0810 0840	"	8.5	6.98	3.58		25.0	.6	18			"	35	4-30	2040 2055	"					28.0	.5	11		"	
219	4-20	1040 1105	"	8.5	6.99	3.03		21.2	.6	16			"	36	4-30	2150	"	13.5	3.75	6.03		22.1	.5	13		"	
220	4-25	0745 0800	"	2.5	0.85	3.53		3.0	.5	6			"	37	4-30	2230 2242	"	13.0	2.97	5.23		15.5	.5	12		"	
221	5-23	0940 0948	"	4.0	1.32	1.82		2.4	.5	9			"	38	5-1	0810 0820	STUNDEN	13.5	2.93	5.25		15.4	.5	13		"	
222	5-26	1530 1540	"	3.5	0.97	2.06		2.0	.5	0			"	39	5-1	1340 1350	"	7.0	1.86	5.54		10.3	.5	9		"	
223	5-30	1000 1012	"	3.0	1.00	2.30		2.3	.5	7			"	40	5-1	1650 1700	"	6.5	2.00	5.20		10.4	.5	8		"	
224	5-30	1855 1806	"	4.5	1.35	1.83		2.0	.5	10			"	41	5-2	0730 0755	"	6.5	1.91	4.98		9.5	.5	8		"	
225	6-2	1300 1312	"	4.0	1.03	1.94		2.0	.5	9			FC50	42	5-2	1615	"	6.0	1.70	4.17		7.1	.5	8		"	
226	6-30	1420 1430	"	5.0	1.08	1.48		1.6	.5	8			"	43	5-3	0725 0735	"	5.3	1.73	3.35		5.8	.5	8		"	
227	7-7	1210 1220	"	3.0	0.68	1.91		1.3	.5	7			"	44	5-3	1510 1525	"	5.8	1.59	4.00		6.2	.5	8		"	
228	7-14	1125 1135	"	3.2	0.72	1.67		1.2	.5	8			"	45	5-4	0730 0740	"	5.5	1.54	3.57		5.5	.5	9		"	
229	8-4	1045 1055	WHISLER	3.8	0.71	1.76		1.2	.5	9			"	46	5-4	1635	"	5.5	1.40	3.86		5.4	.5	8		"	
230	9-1	1415 1419	STUNDEN-SCOTT	1.6	0.45	1.56		0.70	.5	7			"	47	5-5	0735 0745	"	5.5	1.52	3.69		5.6	.5	9		"	
			SANTA ANITA CREEK			below Spreading Grounds Diversion								48	5-5	1615 1630	"	4.0	1.35	3.26		4.4	.5	7		"	
														49	5-6	0750 0800	"	6.5	1.24	3.47		4.3	.5	7		"	
														50	5-7	0640 0652	"	8.0	1.70	4.12		7.0	.5	9		"	
84	2-1	1550 1600	STUNDEN	3.3	1.19	2.60		3.1	.5	7			FC36	51	5-7	0725 0740	"	7.5	1.54	3.57		5.5	.5	9		"	
85	2-3	1030 1040	"	4.5	1.05	1.71		1.8	.5	8			"	52	5-7	1220 1235	WHISLER	7.0	1.17	2.94		3.5	.5	15		"	
86	3-29	1050 1100	"	3.3	1.03	2.14		2.2	.5	8			FC12	53	5-7	1625 1638	"	5.7	0.90	3.66		3.3	.5	12		"	
87	4-18	1400 1410	"	3.2	0.96	1.88		1.8	.5	6			FC36	54	5-8	0945 1005	"	7.0	1.17	3.16		3.7	.5	14		"	
88	4-18	1430 1440	"	3.6	1.39	1.87		2.6	.5	8			"	55	5-9	0755 0805	STUNDEN-WHISLER	4.5	0.90	3.55		3.2	.5	9		"	
89	4-20	1120 1130	"	4.0	1.05	2.19		2.3	.5	9			"	56	5-10	0720 0732	STUNDEN	4.0	0.84	3.10		2.6					



DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER DRAINAGE AREA  
 AT NEAR \_\_\_\_\_ DURING THE YEAR ENDING SEPTEMBER 30, 19\_\_ 51

NO.	DATE	RESIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/PER SEC.	GAUGE HEIGHT FEET	DISCHARGE CFS.	RAT-INS	METH-OD	MEAN REC. NO.	S. INT. CHANGE TOTAL	METER NO.	
			SAN GABRIEL RIVER - West Fork above Bear Creek											
89	10-19	1309 1315	DE VORE	1.40	0.24	0.54		0.13	.5	5			FC18	
90	10-29	1338 1344	"	1.20	0.18	0.39		0.07	.5	5			FC22	
91	11-19	1440 1448	"	1.6	0.99	1.04		1.0	.6	5			"	
92	11-30	1129 1137	"	1.7	1.24	0.81		1.0	.6	6			"	
93	1-2	1323 1335	"	1.7	1.20	0.92		1.1	.6	6			"	
94	1-14	1420 1426	"	7.2	4.07	0.39		1.6	.6	6			"	
95	2-25	1257 1315	"	35.6	36.5	0.90		32.7	.6	13			"	
96	3-11	1251 1301	"	12.5	5.47	0.66		3.6	.5	8			"	
97	3-29	1381 1406	"	15.6	10.9	1.40		15.3	.5	13			"	
98	4-15	1530 1545	GODFREY	14.6	9.01	1.02		9.2	.6	10			FC28	
99	5-27	1325 1338	DE VORE	18.4	12.0	1.49		17.9	.5	10			FC22	
100	6-10	1619 1632	"	17.6	12.0	1.42		17.0	.6	11			"	
101	7-22	1226 1246	"	16.6	10.9	1.34		14.6	.6	15			"	
102	8-5	1225 1248	"	16.2	10.7	1.29		13.8	.6	16			"	
103	8-19	1233 1253	"	15.8	10.3	1.20		12.4	.6	16			"	
104	9-2	1257 1315	"	16.0	10.3	1.13		11.6	.6	15			"	
105	9-16	1320 1350	GODFREY	CHANNELS					33.7	.6	19			FC28
106	9-30	1249 1308	DE VORE	25.6	23.0	1.55		35.7	.6	18			FC22	
			BEAR CREEK above Junction with San Gabriel River											
77	10-19	1321 1328	DE VORE	1.7	0.41	0.66		0.27	.5	6			FC18	
78	10-29	1350 1359	"	1.6	0.60	0.90		0.54	.6	6			FC22	
79	11-19	1421 1431	"	5.0	2.51	0.68		1.7	.6	8			"	
80	11-30	1105 1119	"	3.3	2.09	1.10		2.3	.6	9			"	
81	1-2	1302 1315	"	9.0	3.62	0.57		2.0	.6	9			"	
82	1-14	1353 1403	"	9.0	3.58	0.92		3.3	.6	9			"	
83	2-25	1328 1344	"	22.0	16.7	0.92		15.3	.6	12			"	
84	3-11	1311 1324	"	19.0	13.3	0.68		9.0	.5	10			"	
85	3-29	1418 1441	"	23.4	25.0	1.76		43.9	.6	16			"	
86	4-15	1490 1518	GODFREY	17.5	15.6	2.00		31.2	.6	16			FC28	
87	5-27	1349 1407	DE VORE	18.6	12.7	0.60		7.6	.5	14			FC22	
88	6-10	1646 1658	"	17.7	12.3	0.50		6.2	.6	10			"	
89	7-22	1259 1312	"	8.1	2.08	0.48		1.0	.5	9			"	
90	8-5	1253 1259	"	3.3	1.15	0.84		0.97	.5	7			"	
91	8-19	1301 1307	"	3.2	1.15	0.63		0.72	.5	7			"	
92	9-2	1329 1337	"	3.2	1.07	0.47		0.50	.5	7			"	
93	9-16	1250 1303	GODFREY	3.1	1.04	0.43		0.45	.5	7			FC28	
94	9-30	1316 1324	DE VORE	3.2	1.07	0.49		0.52	.5	7			FC22	
			SAN GABRIEL RIVER - North Fork above Junction W West Fork											
91	10-19	1346 1358	DE VORE	4.5	4.09	0.46		1.9	.6	8			FC18	
92	10-29	1001 1015	"	4.4	4.06	0.59		2.4	.6	9			FC22	
93	11-19	1458 1512	"	5.3	4.38	0.59		2.6	.6	10			"	
94	11-30	1237 1255	"	5.2	4.22	0.52		2.2	.6	11			"	
95	1-2	1230 1245	"	5.3	4.65	0.52		2.4	.6	11			"	
96	1-14	1440 1452	"	8.0	5.60	0.66		3.7	.6	9			"	
97	2-25	1402 1412	"	6.5	5.37	1.25		6.7	.6	8			"	
98	3-11	1342 1355	"	12.0	6.91	0.84		5.8	.5	10			"	
99	3-29	1502 1517	"	14.2	7.40	2.08		15.4	.6	14			"	
100	4-15	1605 1618	GODFREY	16.5	7.73	1.44		11.1	.6	10			FC28	
101	5-27	1435 1450	DE VORE	11.6	6.01	1.13		6.8	.5	11			FC22	
102	6-10	1718 1730	"	15.6	9.04	0.58		5.2	.5	10			"	
103	7-22	1337 1350	"	12.3	6.84	0.41		2.8	.5	11			"	

NO.	DATE	RESIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/PER SEC.	GAUGE HEIGHT FEET	DISCHARGE CFS.	RAT-INS	METH-OD	MEAN REC. NO.	S. INT. CHANGE TOTAL	METER NO.
104	8-5	1314 1327	"	5.0	2.70	1.11		3.0	.6	10			"
105	8-19	1325 1338	"	5.0	2.63	1.03		2.7	.6	10			"
106	9-2	1355 1407	"	4.9	2.56	0.90		2.3	.6	10			"
107	9-16	1413 1425	GODFREY	5.5	2.47	0.97		2.4	.6	9			FC28
108	9-30	1342 1355	DE VORE	5.0	2.67	0.90		2.4	.6	10			FC22
			SAN GABRIEL RIVER - East Fork above Cattle Canyon										
19	4-8	1615 1641	DE VORE	46.0	36.6	4.67		171.	.6	19			FC22
			SAN GABRIEL RIVER - Cattle Canyon above Junction with East Fork										
20	10-19	1502 1514	DE VORE	7.8	2.13	0.41		0.88	.5	10			FC18
21	11-2	1427 1435	"	8.8	2.78	0.37		0.93	.5	9			FC22
22	11-25	1457 1510	"	9.6	3.47	0.49		1.7	.6	10			"
23	12-10	1303 1317	"	10.5	4.78	0.40		1.9	.6	11			"
24	12-23	1342 1356	"	11.2	5.73	0.31		1.8	.6	10			"
25	1-7	1552 1610	"	12.2	6.41	0.28		1.8	.6	11			"
26	2-23	1547 1558	"	13.0	5.11	2.50		12.8	.6	10			"
27	3-18	1526 1538	"	11.2	4.33	2.80		12.1	.6	10			"
28	3-24	1545 1559	"	13.4	9.09	3.19		29.0	.5	14			"
29	4-8	1652 1704	"	19.8	10.2	3.38		34.5	.5	11			"
30	6-3	1550 1602	"	7.8	4.02	1.82		7.3	.5	10			"
31	6-18	1639 1647	GODFREY	9.9	4.56	1.52		7.0	.6	9			FC28
32	7-29	1427 1447	DE VORE	6.5	2.83	0.95		2.7	.5	10			FC22
33	8-12	1541 1556	"	6.5	2.95	0.75		2.2	.6	11			"
34	8-26	1640 1654	"	6.8	3.40	0.59		2.0	.6	11			"
35	9-8	1529 1541	"	6.5	3.19	0.47		1.5	.5	11			"
36	9-23	1545 1555	GODFREY	5.6	2.08	0.58		1.2	.5	8			FC28
			SAN GABRIEL RIVER above San Gabriel Dam										
191	10-2	0900 0912	GODFREY-MIDDLETON	10.0	3.25	2.74		8.9	.6	10			FC26
192	10-13	1050 1110	MIDDLETON	11.5	3.02	3.28		9.9	.6	12			"
193	4-14	1154 1218	DE VORE	32.0	46.8	4.91		234.	.6	18			"
194	4-15	1328 1391	"	32.9	47.3	5.01		237.	.6	18			"
195	4-16	1350 1415	"	34.0	45.2	4.84		219.	.6	19			"
196	4-17	1102 1124	"	34.3	45.6	4.96		226.	.6	19			"
197	4-18	1215 1239	"	34.8	42.6	4.95		211.	.6	19			"
198	4-19	1237 1320	GODFREY	35.5	47.8	4.56		218.	.6	24			FC28
199	4-20	1229 1312	"	34.0	44.8	4.76		213.	.6	24			"
200	4-21	1104 1130	DE VORE	33.2	43.4	4.44		192.	.6	18			"
201	4-22	1141 1201	"	32.8	41.3	4.38		181.	.6	18			"
202	4-23	1211 1231	"	33.0	40.9	4.26		174.	.6	18			"
203	4-24	1148 1208	"	33.0	41.8	4.28		179.	.6	18			"
204	4-25	1133 1153	"	33.0	41.3	4.04		167.	.6	18			"
205	4-26	0937 0954	"	32.8	40.2	4.23		170.	.6	18			"
206	4-27	1124 1142	"	32.9	39.2	3.96		156.	.6	18			"
207	4-28	1340 1401	"	32.8	39.2	3.85		151.	.6	18			"
208	4-29	1342 1402	DE VORE-CORDAY	32.5	37.3	3.89		145.	.6	18			FC22
209	4-30	1329 1350	DE VORE	32.7	36.8	3.70		136.	.6	18			"
210	5-1	1233 1233	"	32.4	37.4	3.72		139.	.6	19			"
211	5-2	1140 1205	"	32.4	37.0	3.59		133.	.6	19			"
212	5-3	1435 1500	"	32.3	34.6	3.44		119.	.6	19	</		

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAT. INR	METH. OF	HEAD REC. NO.	D. FT. CHANGE TOTAL	METER NO.	NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAT. INR	METH. OF	HEAD REC. NO.	D. FT. CHANGE TOTAL	METER NO.											
SAN GABRIEL RIVER - Azusa Conduit													66	10-29	1123 1150	"	18.0	20.1	1.02								20.4	.6	20	"								
SAN GABRIEL RIVER - below San Gabriel Dam													67	11-2	0940 1010	"	18.0	20.0	1.01								20.2	.5	20	"								
4	10-5	0916 0930	GODFREY	4.45	0.39	0.49		0.19	.5	11			FC50	68	11-5	1155 1225	"	17.8	17.7	0.85							15.1	.6	20	FC50								
5	10-5	1205 1215	"	6.20	0.38	0.37		0.14		SURF	8		"	69	11-9	1110 1130	"	18.0	18.0	0.85							15.2	.5	21	"								
6	10-5	1313 1320	"	1.50	0.15	0.67		0.10	.5	6			"	70	11-12	1000 1020	"	18.0	18.2	0.85							15.4	.6	21	"								
7	10-6	0811 0831	"	4.45	0.61	0.87		0.53	.6	10			"	71	11-16	1030 1100	"	18.0	18.1	0.86							15.6	.6	22	"								
SAN GABRIEL RIVER - below San Gabriel Dam													72	11-19	0930 1000	"	18.0	17.8	0.85								15.1	.6	20	"								
SAN GABRIEL RIVER - below San Gabriel Dam													73	11-23	1325 1400	"	17.8	18.0	0.84								15.1	.6	20	"								
SAN GABRIEL RIVER below Roxners Canyon													207	10-1	0728 0756	DE VORE	34.4	31.1	2.02		68.8	.6	19			FC26	208	10-1	0845 0913	DE VORE-MIDDLETON	40.0	34.8	3.97		138.	.6	22	"
209	10-1	1215 1241	"	38.0	26.1	3.21		83.8	.6	21			"	15	4-10	0622 0922	STUNDEN-WHISLER	70.0	96.4	1.92							185.	.6	29	FC12								
210	10-1	1330 1354	"	28.6	32.3	3.72		120.	.6	21			"	16	4-11	0915 1000	"	78.5	113.	1.80						204.	.6	31	"									
211	10-1	1532 1554	"					20.1	.6	20			"	17	4-11	1720 1755	"	67.0	131.	3.04						398.	.6	22	"									
212	10-2	0745 0807	GODFREY	9.4	5.10	2.84		14.5	.6	12			"	18	4-12	1120 1157	"	78.5	131.	3.10						406.	.6	24	"									
213	10-5	1420 1440	"	9.0	3.67	2.42		8.9	.6	16			"	19	4-13	0825 0915	"	77.5	131.	3.14						412.	.6	30	"									
214	10-6	1427 1457	"	8.1	3.75	2.27		8.5	.6	15			"	20	4-14	0900 1015	HYDE-WHISLER	94.0	167.	3.08						514.	.6	29	"									
215	10-8	1523 1551	"	8.3	3.98	2.15		8.4	.6	14			"	21	4-15	1012 1117	"	94.0	177.	2.98						528.	.6	28	"									
216	10-9	1455 1511	MIDDLETON	10.0	3.08	2.66		8.2	.6	11			FC26	22	4-17	1245 1320	STUNDEN-WHISLER	90.5	214.	3.24						694.	.6	20	FC12									
217	10-13	0910 0925	"	9.0	4.23	2.67		11.3	.6	10			"	23	4-17	1623 1715	"	89.0	203.	2.98						605.	.6	19	"									
218	10-15	0830 0845	"	6.9	4.67	2.40		11.2	.6	10			"	24	4-19	1325 1415	"	98.0	204.	2.91						595.	.6	25	"									
219	10-16	1045 1051	DE VORE	13.6	6.00	2.32		13.9	.6	12			FC32	25	4-20	0815 0845	"	69.0	115.	1.42						163.	.6	25	"									
220	10-19	0854 0910	"	10.2	5.07	1.87		9.5	.6	11			"	26	4-20	1055 1125	"	69.5	125.	1.59						199.	.6	23	"									
221	10-20	1448 1502	"	11.4	3.72	3.14		11.7	.6	12			"	27	4-21	0825 0845	WHISLER	70.0	105.	1.26						132.	.6	24	FC5									
222	10-22	0854 0933	"	10.8	4.74	2.37		11.2	.6	12			"	28	4-22	0810 1855	"	69.5	93.7	1.11						104.	.6	30	"									
223	10-23	1453 1538	"	10.9	4.90	2.30		11.3	.6	12			FC12	29	4-23	0915 0950	"	69.5	89.5	0.97						86.7	.6	28	"									
224	10-26	0915 0932	"	11.6	5.60	2.06		13.6	.6	12			"	30	4-24	1620 1645	STUNDEN	57.0	67.2	0.91						61.0	.6	17	FC12									
225	10-27	0835 0851	DE VORE-HOOKER	11.0	5.33	2.27		12.1	.6	12			"	31	4-26	0800 0930	WHISLER	69.0	71.1	0.74						52.7	.6	23	FC5									
226	10-28	0841 0850	DE VORE	10.5	4.77	2.35		11.2	.6	14			FC22	32	4-26	0830 0850	"	69.0	70.2	0.72						50.5	.6	24	"									
227	10-30	1410 1424	"	11.4	3.53	3.80		13.4	.6	12			"	33	4-30	1030 1045	"	55.0	54.2	0.64						34.7	.6	20	"									
228	11-2	0537 0551	"	11.2	4.38	2.66		11.2	.6	12			"	34	5-3	1013 1055	"	51.0	47.4	0.45						21.5	.6	20	"									
229	11-3	1411 1425	DE VORE-HOOKER	11.1	4.61	2.56		11.8	.6	12			"	35	5-5	1130 1225	"	75.0	173.	2.20						380.	.6	24	"									
230	11-5	0840 0853	DE VORE	11.6	4.34	2.96		14.6	.6	12			"	36	5-5	1600 1640	"	76.0	180.	2.34						422.	.6	19	"									
231	4-18	1842 1845	DE VORE-GODFREY	81.5	111.	4.45		496.	.6	18			FC11	37	5-6	0835 0855	"	77.0	185.	2.45						456.	.6	21	"									
232	4-19	2046 2104	"	68.0	80.0	4.01		321.	.6	17			"	38	5-7	1110 1110	WHISLER-THOMAS	69.0	224.	4.96						1110.	.6	16	"									
233	4-20	0728 0745	"	61.4	86.0	3.52		303.	.6	17			"	39	5-8	1050 1115	WHISLER-HYDE	69.5	213.	4.58						976.	.6	19	"									
234	4-20	0810 0838	"	62.0	93.3	3.78		353.	.6	14			"	40	5-10	0950 1042	"	70.5	208.	4.52						940.	.6	19	"									
235	4-21	0527 1009	DE VORE-HOOKER	31.0	37.8	6.61		250.	.6	10			"	41	5-11	0900 1005	"	69.5	214.	4.36						934.	.6	18	"									
236	4-22	1026	DE VORE	45.0	31.0	6.90		214.	.6	10			"	42	5-12	0820 0848	WHISLER	57.0	60.8	0.64						38.8	.6	18	"									
237	4-23	1006 1340	"	45.6	28.0	6.59		191.	.6	10			"																									
238	4-24	1413 1423	DE VORE-STUNDEN	45.0	32.4	6.33		207.	.6	12			"																									
239	4-25	1450 1505	DE VORE	51.5	33.8	5.44		184.	.6	13			"																									
240	4-26	1534 1552	"	50.6	32.3	5.48		177.	.6	13			"	7	3-1	0810 0830	MIDDLETON	7.0	3.83	1.28						4.9	.6	14	FC26									
241	4-27	1432 1450	"	50.0	34.9	4.76		166.	.6	14			"	8	5-6	1420 1432	"	6.2	1.86	0.65						1.2	.6	8	FC48									
242	4-28	1013 1027	"	52.0	32.6	5.80		189.	.6	13			"	9	5-6	1436 1455	"									1.0	.6	14	"									
243	4-29	1538 1552	DE VORE-CORDAY	50.0	32.6	4.39		143.	.6	12			"																									
244	4-30	1502 1513	DE VORE	42.0	27.1	6.72		182.	.6	10			"																									
245	5-1	1443 1455	DE VORE-HOOKER	42.0	22.6	6.42		145.	.6	10			"																									
246	5-2	1324 1337	DE VORE	51.0	27.6	5.04		139.	.6	13			"	91	3-24	1043 1055	MIDDLETON	7.6	3.18	2.67						8.5	.6	9	FC26									
247	5-3	1630 1640	DE VORE-HOOKER	55.0	21.7	5.30		115.	.6	12			"	92	5-5	1403 1415	"	3.6	1.43	1.33						1.9	.6	8	"									
248	5-4	1413 1502	"	47.0	22.8	5.44		124.	.6	11			"	93	6-17	0930 0935	"	2.7	0.74	1.18						0.87	.6	6	"									
SAN GABRIEL RIVER below Metropolitan Archduet													94	7-8	0835 0841	"	1.2	0.13	0.31								0.04	.6	5	FC49								
SAN DIMAS CREEK - Old Water Tunnel below San Dimas Dam													59	10-1	0845 0915	MOON	18.4	21.9	1.11		24.3																	



NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/PER SEC.	GAUGE HEIGHT FEET	DISCHARGE CFS	RAT. INR	METH. DO	HEAR. REC. NO.	Q. INT. CHANGE TOTAL	METER NO.
9-1	1455	1550	THOMAS-STUNDEN	44.0	76.9	4.14		318.		22			FC51
9-1	1550	1645	DE MARS-STUNDEN	44.0	74.9	3.94		295.		24			"
9-7	0945	1038	WHISLER-DE MARS	45.0	86.0	4.18		276.		24			FC5
9-7	1058	1150	DE MARS-WHISLER	44.9	69.5	4.00		278.		25			"
9-7	1252	1340	"	44.9	70.7	3.82		270.		25			"
9-7	1445	1545	WHISLER-DE MARS	45.5	77.4	3.96		306.		26			"
9-24	1055	1130	MIDDLETON-HYDE	40.0	32.6	2.78		90.7	.6	22			FC26
9-24	1105	1135	HYDE-MIDDLETON	40.2	31.0	2.94		90.8	.6	24			FC35
WALNUT CREEK at Oak Lane													
9-7	0916	0956	STUNDEN-THOMAS	36.0	61.9	4.62		286.		21			FC36
9-7	0958	1025	"	36.0	61.9	4.57		283.		20			"
9-7	1155	1155	THOMAS-STUNDEN	36.0	63.5	4.42		281.		21			"
9-24	1237	1255	MIDDLETON-HYDE	28.7	30.9	2.76		85.4	.6	17			FC26
9-24	1257	1317	HYDE-MIDDLETON	28.7	29.5	2.95		87.1	.6	17			FC35
THOMPSON CREEK, COBAL CREEK, and PALMER CREEK above Thompson Creek Dam													
WALNUT CREEK at Garvey Avenue													
3-1	0920	0932	MIDDLETON	6.80	1.28	0.86		1.1	.6	9			FC49
3-11	1515	1523	"	5.80	0.85	0.90		0.77	.6	7			"
3-18	1516	1530	"	8.70	3.84	1.14		4.4	.6	11			FC26
4-15	1528	1540	"	3.80	1.23	1.30		1.5	.6	8			"
5-13	1516	1548	"	7.00	1.95	0.45		0.87	.6	13			FC49
5-13	1600	1600	"	4.20	0.80	0.53		0.42	.6	10			"
5-13	1607	1615	"	1.80	0.23	0.57		0.13	.6	6			"
5-20	1456	1505	"	3.60	1.04	0.78		0.81	.6	8			"
WALNUT CREEK at Citrus Avenue													
9-7	1019	1046	MIDDLETON-GODFREY	29.0	50.7	5.38		273.	.6	18			FC26
9-7	1314	1338	"	35.0	54.0	4.91		265.	.6	20			"
9-7	1320	1343	STUNDEN-THOMAS	35.3	52.8	5.28		273.	.6	20			FC36
9-7	1345	1415	GODFREY-MIDDLETON	36.0	53.7	5.08		273.	.6	20			FC26
9-24	0915	0938	WHISLER-VAN ALLEN	22.8	27.6	2.93		80.8	.6	18			FC5
9-24	0954	1015	"	22.8	27.9	3.04		94.8	.6	17			"
9-24	1305	1417	HYDE-MIDDLETON	29.5	32.1	2.54		81.4	.6	18			FC35
9-24	1471	1443	"	29.5	32.3	2.42		78.1	.6	17			FC26
WALNUT CREEK at Glendora Avenue													
9-7	1055	1058	HYDE-MOON	40.0	52.2	4.94		258.	.6	16			FC35
9-24	1054	1115	WHISLER-VAN ALLEN	22.5	25.0	3.04		75.9	.6	15			FC5
9-24	1104	1122	"	22.5	24.7	3.13		77.3	.6	15			"
WALNUT CREEK at Rivergrade Road													
9-7	1430	1430	MOON-HYDE	36.0	38.2	4.11		157.	.6	21			FC35
9-7	1425	1443	"	36.0	37.8	4.18		158.	.6	21			"
9-24	1430	1436	WHISLER-VAN ALLEN	4.30	0.89	1.18		1.05	.5	9			FC5
9-24	1445	1450	"	3.50	0.52	1.46		0.76	.5	7			"
LIVE OAK CREEK below Live Oak Dam													
124	1-26	1200	1210	MIDDLETON-WHISLER	7.0	4.77	1.76		8.4	.6	8		FC26
125	5-24	0857	0910	MIDDLETON	4.2	2.58	1.63		3.4	.6	10		"
126	5-24	1112	1124	"	4.1	1.42	1.63		2.7	.6	9		"
127	5-24	1330	1340	"	4.3	1.81	2.10		3.8	.6	9		"
128	5-24	1610	1620	MIDDLETON-BROWN	4.6	2.11	2.27		4.8	.6	10		"
129	5-24	1633	1645	"	5.1	2.99	2.78		8.3	.6	11		"
130	5-24	1710	1721	"	5.0	2.93	2.47		7.4	.6	11		"

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER DRAINAGE AREA  
 AT NEAR Miscellaneous Points DURING THE YEAR ENDING SEPTEMBER 30, 1955

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/PER SEC.	GAUGE HEIGHT FEET	DISCHARGE CFS	RAT. INR	METH. DO	HEAR. REC. NO.	Q. INT. CHANGE TOTAL	METER NO.
7	9-27	1134	1136	DE VORE-WINDER	0.5	0.014	0.286	0.004		FLOAT			
SAN GABRIEL RIVER WEST FORK above Devil's Creek													
DEVIL'S CREEK above Junction with San Gabriel River													
9-27	1445			DE VORE-WINDER				0.002		VOLUMETRIC			
COYOTE CANYON above San Gabriel River West Fork													
1-20	1256			DE VORE				0.04		VOLUMETRIC			

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	HAUCE HEIGHT FEET	DISENCHARGE SEC. FT.	RAT. INB	METH. DD	MEAN SEC. NO.	D. MT. CHANGE TOTAL	METER NO.	
SAN GABRIEL RIVER WEST FORK above Bear Creek														
107	10-14	1327 1236	DE VORE	9.4	3.01	0.29		0.87		8			FC22	
108	10-28	1400 1407	"	9.8	3.21	0.37		1.2		7			"	
109	11-10	1329 1339	"	9.2	3.20	0.34		1.1		9			"	
110	11-24	1316 1326	"	9.4	3.28	0.26		0.85		9			"	
111	12-9	1311 1322	"	12.4	4.79	0.44		2.1		11			"	
112	12-23	0932 0944	"	11.0	4.42	0.45		2.0		10			"	
113	1-13	1020 1030	"	13.2	7.19	0.82		5.9		9			"	
114	1-27	0941 0952	"	13.2	7.45	0.83		6.2		11			"	
115	2-10	1000 1011	"	12.8	6.23	0.58		3.6		10			"	
116	2-24	0945 0955	"	12.8	6.00	0.52		3.1		11			"	
117	3-10	0947 0956	"	13.4	6.51	0.65		4.2		12			"	
118	3-24	0947 0959	"	12.6	6.12	0.56		3.4		12			"	
119	4-14	1415 1425	"	11.7	4.88	0.35		1.7		11			"	
120	4-28	1006 1019	"	13.6	8.82	0.84		7.4		13			"	
121	5-12	0955 1009	"	13.2	9.44	1.06		10.0		13			"	
122	5-26	0936 0946	"	13.4	8.58	0.94		8.1		12			"	
123	6-9	1529 1542	"	13.4	8.64	1.10		9.5		12			"	
124	6-23	1021 1036	"	11.0	7.90	1.22		9.6		12			"	
125	7-7	0937 0951	"	11.0	7.56	1.20		9.1		12			"	
126	7-28	1330 1342	GODFREY	11.8	8.18	1.11		9.1		14			FC28	
127	8-11	1112 1126	DE VORE-SCOTT	12.0	7.79	1.17		9.1		13			FC22	
128	8-25	1000 1013	"	19.0	15.3	0.65		9.9		11			"	
129	9-15	1137 1150	DE VORE	15.8	11.4	0.81		9.2		12			"	
DEAR CREEK above Junction with San Gabriel River														
95	10-14	1305 1313	DE VORE	3.3	1.14	0.53		0.60		7			FC22	
96	10-28	1414 1421	"	3.5	1.31	0.60		0.79		7			"	
97	11-10	1347 1354	"	3.5	1.44	0.83		1.2		7			"	
98	11-24	1335 1343	"	4.0	1.89	1.64		3.1		7			"	
99	12-9	1349 1359	"	CHANNELS					4.7		9			"
100	12-23	0919 0925	"	4.7	2.53	1.62		4.1		9			"	
101	1-13	1000 1011	"	18.8	12.4	0.53		6.6		11			"	
102	1-27	0920 0933	"	21.4	16.6	0.81		13.4		11			"	
103	2-10	0937 0951	"	17.0	14.3	0.67		9.6		12			"	
104	2-24	0932 0942	"	17.2	14.8	0.72		10.6		12			"	
105	3-10	0925 0938	"	18.0	15.1	0.77		11.6		14			"	
106	3-24	0925 0938	"	17.8	15.2	0.71		10.8		13			"	
107	4-28	0938 0950	"	17.0	12.5	0.46		5.7		12			"	
108	5-12	0927 0946	"	23.6	21.0	1.17		24.6		15			"	
109	5-26	0909 0928	"	20.0	15.6	0.72		11.2		14			"	
110	6-9	1557 1613	"	16.8	11.9	0.48		5.7		13			"	
111	6-23	0956 1007	"	4.7	2.62	1.56		4.1		9			"	
112	7-7	0918 0927	"	4.6	2.46	1.46		3.6		9			"	
113	7-28	1355 1405	GODFREY	4.0	1.87	0.70		1.3		9			"	
114	8-11	1047 1055	DE VORE	3.8	1.59	0.59		0.94		8			"	
115	8-25	0940 0949	DE VORE-FAIRFAX	3.9	1.39	0.36		0.50		9			"	
116	9-15	1115 1120	DE VORE	3.7	0.97	0.16		0.16		7			"	
SAN GABRIEL RIVER NORTH FORK above Junction with West Fork														
109	10-14	1328 1341	DE VORE	5.0	2.58	0.81		2.1		11			FC22	
110	10-28	1433 1446	"	5.0	2.67	0.90		2.4		11			"	
111	11-10	1413 1426	"	5.2	2.88	0.94		2.7		11			"	
112	11-24	1406 1421	"	5.3	3.68	0.98		3.6		12			"	
113	12-9	1412 1426	"	5.7	4.02	1.14		4.6		12			"	
114	12-23	0845 0900	"	6.2	4.28	0.96		4.1		11			FC28	
115	1-13	0932 0944	"	8.4	5.22	1.17		6.1		12			FC22	
116	1-27	0850 0925	"	8.0	5.16	1.41		7.3		11			"	
117	2-10	0899 0923	"	7.2	4.57	1.20		5.5		12			"	
118	2-24	0857 0909	"	7.6	4.90	1.10		5.4		12			"	
119	3-0	0900 0912	"	8.0	5.33	1.20		6.4		12			"	
120	3-24	0859 0913	"	7.5	5.75	1.11		6.4		13			"	
121	4-28	0902 0913	"	7.0	5.36	0.91		4.9		11			"	
122	5-12	0853 0909	"	6.0	5.32	1.17		6.2		13			"	
123	5-26	0835 0852	"	6.3	5.39	1.04		5.6		13			"	
124	6-9	1502 1515	"	7.1	4.96	0.62		3.1		11			"	
125	6-23	0928 0942	"	6.4	5.13	0.68		3.5		11			"	
126	7-7	0837 0852	"	6.4	5.29	0.64		3.4		12			"	
127	7-28	1437 1457	GODFREY	6.5	4.34	0.46		2.0		10			FC28	
128	8-11	1012 1025	DE VORE	6.0	4.66	0.45		2.1		12			FC22	
129	8-25	0908 0925	DE VORE-SERVICE	6.2	4.93	0.41		2.0		12			"	
SAN GABRIEL RIVER - EAST FORK Water survey of September 13-14, 1955														
	9-13			BEAR GULCH ABOVE SAN GABRIEL RIVER										DRY
				PRAIRIE FORK ABOVE VINCENT GULCH										3.25
				VINCENT GULCH ABOVE SAN GABRIEL RIVER										DRY
				MINE GULCH ABOVE SAN GABRIEL RIVER										DRY
				SAN GABRIEL RIVER - EAST FORK BELOW MINE GULCH										4.8
				UNNAMED TRIBUTARY 3/8 MILE ABOVE ALDER GULCH										0.15
				SAN GABRIEL RIVER - EAST FORK ABOVE ALDER GULCH										4.9
				ALDER GULCH ABOVE SAN GABRIEL RIVER										0.44
				UNNAMED TRIBUTARY 1/2 MILE BELOW ALDER GULCH										0.02
				SAN GABRIEL RIVER - EAST FORK ABOVE FISH FORK										5.6
				FISH FORK ABOVE SAN GABRIEL RIVER										3.3
				FALLS GULCH ABOVE SAN GABRIEL RIVER										0.10
				CLARK GULCH ABOVE SAN GABRIEL RIVER										DRY
				SAN GABRIEL RIVER - EAST FORK ABOVE IRON FORK										8.3
				IRON FORK ABOVE SAN GABRIEL RIVER										2.6
	9-14			DEVIL'S GULCH ABOVE SAN GABRIEL RIVER										0.33
				SAN GABRIEL RIVER - EAST FORK BELOW DEVIL'S GULCH										14.1
				RATTLESNAKE CANYON ABOVE SAN GABRIEL RIVER										0.09
				ALLISON GULCH ABOVE SAN GABRIEL RIVER										0.01
				LAUREL GULCH ABOVE SAN GABRIEL RIVER										DRY
				SHOEMAKER CANYON ABOVE SAN GABRIEL RIVER										0.03
				SAN GABRIEL RIVER - EAST FORK ABOVE CATTLE CANYON										13.4
				CATTLE CANYON ABOVE SAN GABRIEL RIVER										1.4
				SAN GABRIEL RIVER - CATTLE CANYON above Junction with East Fork										
37	10-7	1524 1548	DE VORE	5.9	2.53	0.67		1.7		9			FC22	
38	10-21	1434 1444	"	6.3	2.89	0.52		1.5		9			"	
39	11-4	1554 1605	"	6.2	3.00	0.60		1.8		10			"	
40	11-18	1533 1540	"	7.4	2.93	1.33		3.9		8			"	
41	12-2	1636 1643	"	5.8	2.54	1.10		2.8		7			"	
42	12-16	1557 1605	"	7.3	3.16	1.01		3.2		8			"	
43	1-20	1603 1611	"	8.0	4.46	1.86		8.3		9			"	
44	2-3	1609 1650	"	7.8	4.10	1.73		7.1		9			"	
45	3-3	1542 1550	"	8.8	5.09	1.85		9.4		10			"	
46	3-17	1612 1621	"	9.1	5.68	1.87		10.6		10			"	
47	4-21	1550 1557	"	7.4	4.34	1.43		6.2		9			"	
48	5-5	1541 1552	"	9.2	5.08	1.36		6.9		10			"	
49	5-26	1613 1624	"	8.4	4.98	1.57		7.8		10			"	
50	6-16	1620 1630	"	9.3	4.40	1.20		5.3		10			"	
51	6-30	1642 1652	"	9.2	4.11	0.95		3.9		9			"	
52	7-21	1715 1722	GODFREY	8.0	3.27									

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	RAISE HEIGHT FEET	DIMENSION SEC. FT.	RAT- ION	MEAN SEC. NO.	R. D. TOTAL	METER NO.
54	8-18	1653 1700	"	7.8	2.40	0.75		1.8		.5 .8	8	"
55	9-1	1652 1657	"		7.2	2.06	0.63		1.3	.5	7	"
56	9-29	1002 1010	"	9.5	3.54	0.56		2.0		.5	9	"
SAN GABRIEL RIVER				below Metropolitan Aqueduct								
74	1-27	1310 1320	STUNDEN						1.2	.6	9	FC50
BIG DALTON CREEK				below Azusa Canal								
10	1-20	1610 1628	MIDDLETON						1.7	.6	13	FC26
11	1-27	1622 1640	"	6.5	1.79	1.01		1.8		.6	13	FC49
12	2-18	1030 1048	"	8.2	4.47	1.07		4.8		.6	12	"
13	3-10	1614 1630	"	9.0	4.30	1.12		4.8		.6	11	"
SAN DIMAS CREEK				above San Dimas Dam								
95	1-20	1042 1052	MIDDLETON-ROYSTON	7.1	2.28	1.54		3.5		.6	9	FC26
96	2-17	1445 1455	MIDDLETON	3.5	0.83	1.45		1.2		.6	8	"
97	2-24	1602 1610	"	4.0	0.84	1.14		0.96		.6	8	FC49
98	4-14	1115 1122	"	2.6	0.47	0.81		0.38		.6	6	"
99	5-12	1110 1126	"	4.7	1.20	0.83		1.0		.6	10	"
100	6-9	1132 1136	"	1.2	0.15	0.87		0.13		.6	5	"
SAN DIMAS CREEK - Old Water Tunnel				below San Dimas Dam								
28	1-5	1421 1425	MIDDLETON	0.8	0.07	0.43		0.03		.6	5	FC49
29	2-24	1103 1107	"	1.1	0.13	0.46		0.06		.6	5	"
30	3-10	1118 1122	"	0.8	0.07	0.57		0.04		.6	5	"
31	4-28	1126 1130	"	0.9	0.09	0.56		0.05		.6	4	"
32	5-12	1037 1042	"	1.1	0.13	0.54		0.07		.6	5	"
33	5-26	1033 1036	"	0.9	0.12	0.67		0.08		.6	4	"
34	6-23	1050 1055	STUNDEN	0.7	0.19	0.26		0.05		.5	4	FC50
35	7-7	0928 0931	MIDDLETON	0.6	0.04	0.25		0.01		.6	4	FC49
SAN DIMAS WASH				below Puddingstone Diversion Dam								
47	10-28	1515 1525	MIDDLETON	4.7	1.87	1.02		1.9		.6	10	FC26
48	1-20	1535 1547	"	4.5	1.83	1.42		2.6		.6	10	"
49	1-27	1554 1606	"	5.0	2.11	1.61		3.4		.6	10	"
50	2-3	1554 1606	"	4.6	1.95	1.23		2.4		.6	10	"
51	2-3	1614 1630	"	5.8	1.35	0.89		1.2		.6	12	"
52	2-3	1640 1645	"	2.1	0.42	1.12		0.47		.6	5	"
53	2-10	1045 1058	"	4.3	1.56	0.71		1.1		.6	10	"
WALNUT CREEK				at Sunflower Avenue (extended)								
11-3	0553 0615	DE MARS-WHISLER	25.5	31.6	3.00		94.8		.6	16	FC5	
11-3	0727 0753	WHISLER-DE MARS	31.0	44.0	3.84		169.		.6	19	"	
11-3	0804 0840	DE MARS-WHISLER	30.9	44.7	3.98		178.		.6	19	"	
11-3	1050 1118	WHISLER-DE MARS	32.5	54.8	4.78		262.		.6	19	"	
11-3	1147 1215	"	32.9	56.6	4.58		259.		.6	20	"	
WALNUT CREEK				at Oak Lane								
8-16	1219 1212	MIDDLETON	0.6	0.05	0.60		0.03		.6	4	FC49	
WALNUT CREEK				at Garvey Avenue								
12-30	0910 0922	MIDDLETON	9.0	2.81	0.50		1.4		.6	10	FC49	

TABLE XI

PERCOLATION LOSSES ON BIG ROCK CREEK  
 BASED ON METER MEASUREMENTS  
 1954 - 55

DATE	FLOW BELOW BIG ROCK RANCH DIVERSION	FLOW 5900 FT. BELOW DIVERSION	LOSS CFS	FLOW AT HIGHWAY 138	LOSS CFS	FLOW 8300 FT. BELOW HIGHWAY 138	LOSS				
2-15	7.7	2.8	4.9	2.3	0.5	0	2.3				
DATE	FLOW BELOW BIG ROCK RANCH DIVERSION	FLOW 7900 FT. BELOW DIVERSION	LOSS CFS	FLOW AT HIGHWAY 138	LOSS CFS	FLOW 5600 FT. BELOW HIGHWAY 138	LOSS CFS	FLOW 11,000 FT. BELOW HIGHWAY 138	LOSS CFS	FLOW 19,250 FT. BELOW HIGHWAY 138	LOSS
2-23	13.9	11.2	2.7	9.1	2.1	4.9	4.2	2.2	2.7	0	2.2
DATE	FLOW AT MOUTH OF CANYON STA. U14-R	FLOW FROM PUNCH BOWL CREEK	FLOW AT PEARBLOSSOM HIGHWAY	LOSS CFS	FLOW 4700 FT. BELOW PEARBLOSSOM HIGHWAY	LOSS CFS	FLOW 10,425 FT. BELOW PEARBLOSSOM HIGHWAY	LOSS CFS			
3-1	12.2	1.5	13.5	0.2	13.1	0.4	10.7	2.4			
DATE	FLOW BIG ROCK CREEK BELOW PALLETTE CREEK	FLOW 4200 FT. BELOW PALLETTE CREEK	LOSS CFS	FLOW 5800 FT. BELOW PALLETTE CREEK	LOSS CFS						
3-17	15.6	13.8	1.8	12.0	1.0						

PERCOLATION LOSSES ON BIG TUJUNGA WASH  
 BASED ON METER MEASUREMENTS  
 1953 - 54

DATE	FLOW ABOVE GOLD CANYON STA. F213-R	FLOW AT ORD VISTA STREET	LOSS CFS	FLOW AT FOOTHILL BOULEVARD	LOSS CFS	INFLOW HANSEN RESERVOIR	LOSS CFS	REMARKS
4-28	16.3	7.7	8.6	6.2	1.5	5.9	0.3	L.A.W.D. DIVERTS APPROXIMATELY 2.5 CFS FOR SPREADING BELOW MOUTH OF CANYON
5-19	12.1	8.7	3.4	5.6	3.1	4.5	1.1	
9-23	24.7	17.6	7.1	13.1	4.5	8.7	4.4	

PERCOLATION LOSSES ON BIG SANTA ANITA CREEK  
 BASED ON METER MEASUREMENTS  
 1953 - 54

DATE	FLOW AT S. M. DIV. HEADWORKS	FLOW FROM SIERRA MADRE WASH	FLOW AT FOOTHILL BOULEVARD	LOSS CFS	FLOW AT DUARTE ROAD	LOSS CFS	FLOW AT LIVE OAK (ARROW) HIGHWAY	LOSS CFS
2-2	72.0	2.5	73.0	1.5	55.0	18.0	42.5	12.5
4-5	50.0	0	48.4	1.6	39.6	8.8	37.3	2.3

PERCOLATION LOSSES ON SAWPIT CREEK  
 BASED ON METER MEASUREMENTS  
 1953 - 54

DATE	FLOW AT U.S.G.S. STATION	SPANISH AND MONROVIA CANYONS	FLOW AT NOREMBEGA AVENUE	LOSS CFS	FLOW AT LEMON AVENUE	LOSS CFS	FLOW AT HUNTINGTON DRIVE	LOSS CFS	FLOW AT DUARTE ROAD	LOSS CFS	START OF LINED CHANNEL	LOSS CFS
3-30	5.0	+1.0	5.6	0.4	2.5	3.1	0.98	1.52	0.30	0.68	0	0.30

PERCOLATION LOSSES ON RIO HONDO  
 BASED ON METER MEASUREMENTS  
 1953 - 54

DATE	FLOW AT LOWER AZUSA ROAD	FLOW FROM RUBIO WASH	FLOW AT GARVEY AVENUE	LOSS CFS	FLOW FROM ALHAMBRA WASH	FLOW ABOVE MISSION BRIDGE STA. F64-R	GAIN CFS	FLOW FROM MISSION CREEK	FLOW BELOW U.P.R.R. BRIDGE	LOSS CFS	FLOW FROM MONTE BELLO STORM DRAIN	FLOW AT WASHINGTON BOULEVARD	LOSS CFS	FLOW AT TELEGRAPH ROAD	LOSS CFS	REMARKS
2-2	36.0	0.05			1.5	40.6		1.9	34.2	8.3	0.1	26.6	7.7	18.9	7.7	18.9 CFS INTO LINED CHANNEL
4-5	31.2	+	29.1	2.1	0.6	35.3	+ 5.6	3.1	0	38.4						END OF PERCOLATION 500' BELOW BEVERLY BOULEVARD
4-6	25.9	+	25.1	0.8	0.3	35.9	10.8	3.0	12.3	26.6	0.3			0	12.6	END OF PERCOLATION 2000' BELOW WASHINGTON BOULEVARD

PERCOLATION LOSSES ON MISSION CREEK  
 BASED ON METER MEASUREMENTS  
 1953 - 54

DATE	FLOW AT SAN GABRIEL BOULEVARD	FLOW BELOW FLOOD CONTROL DIVERSION LEVEE	LOSS CFS	FLOW 500 FT. BELOW ROSEMEAD BOULEVARD	LOSS CFS	FLOW 700 FT. BELOW ROSEMEAD BOULEVARD	LOSS CFS	REMARKS
7-13	3.31	2.45	0.86	1.04	1.41			END OF FLOW, 300' ABOVE BEVERLY BOULEVARD
7-15	3.26	2.32	0.94	0.87	1.45			END OF FLOW, 300' ABOVE BEVERLY BOULEVARD
7-16	2.96	2.36	0.60	0.82	1.54			END OF FLOW, 300' ABOVE BEVERLY BOULEVARD
7-20	2.74	2.16	0.58	0.73	1.43	0.65	0.08	
7-22	2.76	2.22	0.54			0.76	1.46	END OF FLOW, 200' ABOVE BEVERLY BOULEVARD
7-29	2.79	2.09	0.70			0.66	1.43	

PERCOLATION LOSSES ON BIG DALTON WASH  
 BASED ON METER MEASUREMENTS  
 1954 - 55

DATE	FLOW AT BEN LOMOND AVENUE	FLOW AT GLADSTONE AVENUE	LOSS CFS	FLOW AT CITRUS AVENUE	LOSS CFS	FLOW AT CERRITOS AVENUE	LOSS CFS	REMARKS
2-25	4.7	4.2	0.5	2.6	1.4	0.4	2.4	END OF PERCOLATION, 400' BELOW CERRITOS AVENUE

PERCOLATION LOSSES ON LITTLE DALTON WASH  
 BASED ON METER MEASUREMENTS  
 1954 - 55

DATE	FLOW AT CITRUS AVENUE	FLOW AT AZUSA AVENUE	LOSS CFS	FLOW AT ARROW HIGHWAY	GAIN CFS	FLOW AT IRWINDALE AVENUE	LOSS CFS	REMARKS
12-1	3.14	1.92	1.22	2.04	0.12	0.10	1.94	ORIGINAL FLOW FROM AZUSA CANAL, INFLOW BELOW ARROW HIGHWAY FROM UNKNOWN SOURCE



PERCOLATION LOSSES ON LIVE OAK WASH BASED ON METER MEASUREMENTS 1953 - 54								
DATE	FLOW 50' BELOW LIVE OAK DAM	FLOW AT MOUTH OF CANYON	LOSS CFS	FLOW AT GAREY AVENUE EXTENDED	LOSS CFS	FLOW AT WILLIAMS AVENUE	LOSS CFS	REMARKS
1-27	8.5	6.3	2.2	5.6	0.7	3.3	2.3	END OF PERCOLATION 200' BELOW BRADFORD AVENUE

PERCOLATION LOSSES ON CHARTER OAK WASH BASED ON METER MEASUREMENTS 1954 - 55											
DATE	FLOW AT SAN BERNARDINO ROAD	FLOW AT PUENTE AVENUE	LOSS CFS	FLOW AT ROWLAND AVENUE	LOSS CFS	FLOW AT WORKMAN AVENUE	LOSS CFS	FLOW AT GARVEY AVENUE	LOSS CFS	FLOW AT JUNCTION WITH WALNUT WASH	REMARKS
3-18	2.82	2.71	0.11	2.48	0.23	2.02	0.46	1.85	0.17	1.71	END OF PERCOLATION 500' BELOW LARK ELLEN ON WALNUT WASH

PERCOLATION LOSSES ON WALNUT WASH BASED ON METER MEASUREMENTS 1953 - 54																
DATE	OUTFLOW FROM PUDDINGSTONE DAM	FLOW AT COVINA HILLS ROAD	LOSS CFS	FLOW AT GARVEY AVENUE	LOSS CFS	FLOW AT CITRUS AVENUE	LOSS CFS	FLOW AT GLENDORA AVENUE	LOSS CFS	FLOW AT PUENTE AVENUE	LOSS CFS	FLOW AT RIVER GRADE ROAD	LOSS CFS	FLOW AT HEADWORKS	LOSS CFS	REMARKS
8-6	115.	78.7	36.3	75.8	2.9	67.5	8.3			55.8	11.7					
8-7	238.	177.	61.	169.	8.0	163.	6.0	157.	6.0	138.	19.0	88.1	39.9			
8-8	342.							300.	42.0	281.	19.0	233.	48.0	145.9	87.1	
8-9	339.									282.	57.0			174.7	137.3	
8-10	338.	314.	24.	295.	19.	301.	+6.0	286.	15.0	257.	25.0	212.	45.0	173.7	38.3	
8-17	338.			323.	15.			308.	15.0	278.	30.0	199.	79.0	177.2	21.8	
8-23	326.			290.	36.			286.	4.0	246.	40.0	200.	46.0			
9-30	0.70	*0.79	+0.09	*1.22	+0.43	*1.31	+0.09	*1.37	+0.06	0.68	-0.69	0	-0.69			*INCREASE IN FLOW DUE TO BANK SEEPAGE PERCOLATION BEGINS ABOUT SUNFLOWER AVENUE, EXTENDED.
1954 - 55																
DATE	OUTFLOW FROM PUDDINGSTONE DAM	FLOW AT SUNFLOWER AVENUE (EXTENDED)	LOSS CFS	FLOW AT OAK CAN. ROAD	LOSS CFS	FLOW AT GARVEY AVENUE	LOSS CFS	FLOW AT CITRUS AVENUE	LOSS CFS	FLOW AT GLENDORA AVENUE	LOSS CFS	FLOW AT PUENTE AVENUE	LOSS CFS	FLOW AT RIVER GRADE ROAD	LOSS CFS	REMARKS
11-3	100.			96.0	4.0	92.2	3.8	88.5	3.6			70.8	17.8			
11-3	188.			180.	8.0	173.	7.0	170.	3.0			160.	10.0			
11-3	275.			262.	13.0			254.	8.0			234.	20.0	185.	49.0	
12-12	42.8	44.8	+2.0	41.9	2.9	41.0	0.9	37.0	4.0	33.6	3.4	25.6	8.0			

TABLE XII  
SUMMARY OF SEASONAL DISCHARGE  
Water Years 1953-54, 1954-55

YEAR	F.C. NUMBER	STATION	LOCATION	MAXIMUM DAILY C.F.S.	MINIMUM DAILY C.F.S.	MEAN C.F.S.	RUNOFF A.F.	PEAK FLOW		
								MONTH	DAY	C.F.S.
1953-54	F81D-R	ALHAMBRA WASH	NEAR KLINGERMANN STREET	369.	0.2	5.22	3770.	2	13	2410.
1954-55	"	"	"	185	0.2	4.16	3020.	1	18	1890.
1953-54	F152-R	ALISO WASH	AT NORDHOFF STREET	55.	0	.406	294.	1	19	889.
1954-55	"	"	"	14.	0	0.09	68.	1	18	95.
1953-54	P277-R	ARROYO SECO	BELOW DEVIL'S GATE DAM	70.	0	0.86	621.	1	25	127.
1954-55	"	"	"	1.7	0	0.27	196.	4	30	14.
1953-54	F298-R	BALLONA CREEK	AT CURSON AVENUE	689.	1.8	11.4	8240.	2	13	4690.
1954-55	"	"	"	539.	1.8	12.6	9140.	1	18	3000.
1953-54	F388-R	BALLONA CREEK	AT SAWTELLE BOULEVARD	3570.	5.4	39.3	28480.	2	18	18900.
1954-55	"	"	"	1210.	5.4	28.8	21600.	1	18	9370.
1953-54	F120-R	BIG DALTON CREEK	BELOW BIG DALTON DAM	8.6	0	0.501	363.	2	15	9.3
1954-55	"	"	"	3.5	0	0.01	7.3	10	1	6.8
1953-54	F202-R	BIG DALTON WASH	AT SIERRA MADRE AVENUE	6.1	0	.039	28.	1	25	25.
1954-55	"	"	"	+	0	+				
1953-54	F274-R	BIG DALTON WASH	AT MERCED AVENUE	217.	0	1.47	1060.	2	13	1290.
1954-55	"	"	"	88.	0	0.98	706.	1	18	668.
1953-54	F111C-R	BIG TUJUNGA CREEK	BELOW MILL CREEK	138.	+	5.28	3820.	1	25	268.
1954-55	"	"	"	26.	0	2.63	1910.	5	1	41.
1953-54	F168-R	BIG TUJUNGA CREEK	BELOW BIG TUJUNGA DAM	128.	0.2	7.38	5340.	3	1	158.
1954-55	"	"	"	15.5	0.1	3.16	2290.	10	3	18.3
1953-54	F213-R	BIG TUJUNGA CREEK	ABOVE GOLD CANYON	227.	0.6	11.4	6240.	1	25	387.
1954-55	"	"	"	33.	1.1	4.95	3580.	1	18	73.
1953-54	F105B-R	TUJUNGA WASH	BELOW MOORPARK STREET	247.	0	2.62	1890.	1	19	1000.
1954-55	"	"	"	152.	0	2.17	1570.	1	10	1040.
1953-54	F106-R	TUJUNGA WASH - CENTRAL BRANCH	AT MAGNOLIA BOULEVARD	40.	0	.402	291.	1	19	208.
1954-55	"	"	"	30.	0	0.41	298.	1	18	164.
1953-54	F297-R	BOUTON CREEK	AT ANAHEIM STREET	80.	0	.753	544.	2	13	363.
1954-55	"	"	"	27.	0	0.49	354.	1	18	166.
1953-54	F108-R	CASTAIC CREEK	AT HIGHWAY 126	270.	0	1.35	977.	2	13	1480.
1954-55	"	"	"	27.	0	0.18	134.	4	30	82.
1953-54	F302-R	COMPTON	AT 120TH STREET	498.	+	4.33	3140.	2	13	2050.
1954-55	"	"	"	160.	+	3.71	2690.	1	18	1220.
1953-54	F378-R	COMPTON CREEK	NEAR GREEN LEAF DRIVE	797.	0.1	7.48	5410.	2	13	3600.
1954-55	"	"	"	374.	0.1	8.40	6080.	1	18	2710.
1953-54	F41C-R	COYOTE CREEK	AT DEL AMO STREET	410.	0	5.53	3990.	2	13	1190.
1954-55	"	"	"	176.	+	1.67	1220.	1	18	611.
1953-54	F265-R	DOMINGUEZ CHANNEL	AT CARSON BOULEVARD	674.	5.4	19.0	13800.	2	14	705.
1954-55	"	"	"	224.	6.9	16.4	11850.	1	19	257.
1953-54	F53-R	DUME CREEK	AT ROOSEVELT HIGHWAY	224.	0	.731	529.	2	13	989.
1954-55	"	"	"			0	0			
1953-54	F271-R	EATON WASH	BELOW EATON WASH DEBRIS DAM	40.0	0	.275	200.	2	14	72.
1954-55	"	"	"			0	0			
1953-54	F104-R	EATON WASH	AT TEMPLE CITY BOULEVARD	200.	0	1.52	2000.	2	13	1010.
1954-55	"	"	"	84.	0	0.65	472.	1	18	1100.
1953-54	F287-R	LA TUNA CREEK	AT BELMONT COUNTRY CLUB	3.9	0	.044	32.	2	13	28.
1954-55	"	"	"	1.4	0	0.01	7.6	1	18	9.9
1953-54	F149-R	LIMEKILN WASH	AT DEVONSHIRE STREET	18.0	0	.204	148.	1	19	268.
1954-55	"	"	"	7.9	0	0.10	75.	1	18	49.
1953-54	F65B-R	LITTLE DALTON CREEK	ABOVE MOUTH OF CANYON	27.	0	0.42	308.	1	25	58.
1954-55	"	"	"	2.1	0	0.06	45.	1	18	43.
1953-54	L1-R	LITTLE ROCK CREEK	ABOVE LITTLE ROCK DAM	328.	0	11.6	8430.	1	25	685.
1954-55	"	"	"	116.	+	10.1	7910.	11	11	236.
1953-54	F19-R	LITTLE TUJUNGA WASH	AT FOOTHILL BOULEVARD	43.	0	0.56	407.	2	13	198.
1954-55	"	"	"	7.3	0	0.06	47.	1	18	35.
1953-54	F31-R	LIVE OAK CREEK	NEAR MOUTH OF CANYON	6.7	0	.078	57.	1	25	19.
1954-55	"	"	"			0	0			
1953-54	F311-R	LIVE OAK WASH	BELOW 7TH STREET, LA VERNE				29604.			
1954-55	"	"	"				24080.			
1953-54	F300-R	LOS ANGELES RIVER	AT TUJUNGA AVENUE	1360.	4.6	27.2	19690.	2	13	5190.
1954-55	"	"	"	842.	5.7	30.4	22000.	1	10	4560.
1953-54	F266-R	LOS ANGELES RIVER	AT MARIPOSA STREET	1780.	+	24.0	17360.	2	13	6440.
1954-55	"	"	"	1150.	+	21.2	15330.	1	10	4750.
1953-54	F57C-R	LOS ANGELES RIVER	ABOVE ARROYO SECO (NEAR DAYTON AVE.)	2570.	0.2	29.0	21000.	2	13	9580.
1954-55	"	"	"	1510.	0.2	25.2	18270.	1	18	6850.
1953-54	F34C-R	LOS ANGELES RIVER	AT FIRESTONE BOULEVARD	4190.	1.2	70.9	51390.	1	18	19520.
1954-55	"	"	"	2470.	6.2	54.3	38840.	2	13	13660.
1953-54	F180-R	LOS ANGELES RIVER	AT PACIFIC COAST HIGHWAY	8120.	2.4	97.8	70790.	2	13	34760.
1954-55	"	"	"	4180.	2.2	63.0	60120.	1	18	17750.
1953-54	F279B-R	LOS CERRITOS CHANNEL	ABOVE ANAHEIM STREET	795.	0	8.05	5830.	2	13	2790.
1954-55	"	"	"	362.	0	6.21	4500.	1	18	2120.
1953-54	F130-R	MALIBU CREEK	AT CRATER CAMP	655.	0.1	6.89	4990.	2	13	2250.
1954-55	"	"	"	16.	0.1	1.05	758.	1	18	45.
1953-54	F83-R	MISSION CREEK	AT SAN GABRIEL BOULEVARD	8.5	2.0	4.94	3580.			
1954-55	"	"	"	8.7	0.9	4.28	3100.	1	18	12.
1953-54	F22-R	MONROVIA CREEK	ABOVE SAWPIT CREEK					1	25	486.
1954-55	"	"	"							
1953-54	F195-R	MONROVIA STORM DRAIN	NEAR PECK ROAD	56.	0	.510	441.	2	13	340.
1954-55	"	"	"							
1953-54	F181R	MONTEBELLO STORM DRAIN	ABOVE RIO HONDO	232.	0.1	3.02	2190.	2	13	1010.
1954-55	"	"	"	INC.	INC.	INC.	1210.	1	18	759.
1953-54	F118B-R	PACOIMA CREEK FLUME	BELOW PACOIMA DAM	229.	0	4.06	2940.	4	5	292.
1954-55	"	"	"	14.7	0	1.02	737.	4	21	42.
1953-54	F305-R	PACOIMA DIVERSION	AT BRANFORD STREET	116.	0	1.35	975.	2	13	508.
1954-55	"	"	"	53.	0	1.20	879.	5	7	450.
1953-54	F15-R	PACOIMA WASH	AT VAN NUYS BOULEVARD	67.	0	.436	316.	2	13	311.
1954-55	"	"	"	49.	0	0.34	271.	1	10	233.
1953-54	F135-R	PLACERITA CREEK	AT RIDGE ROUTE HIGHWAY	129.	0	1.39	1000.	1	19	1100.
1954-55	"	"	"	58.	0	0.28	200.	1	18	460.
1953-54	F307-R	PUDDINGSTONE DIVERSION CHANNEL - SAN DIMAS WATER COMPANY OUTLET	AT JUANITA STREET				431.8			
1954-55	"	"	"				1363.			
1953-54	F40-R	PUDDINGSTONE CREEK	BELOW PUDDINGSTONE DAM	362.	0.01	42.3	30650.	9	23	392.
1954-55	"	"	"	366.	0.03	32.2	23900.	12	10	404.
1953-54	F19-R	RIO HONDO	AT LOWER AZUSA ROAD	654.	0	14.9	10800.	2	13	1740.
1954-55	"	"	"	184.	0	2.02	1460.	1	18	2340.
1953-54	F64-R	RIO HONDO	ABOVE MISSION BRIDGE	1390.	3.1	32.3	23390.	2	13	6360.
1954-55	"	"	"	748.	2.0	15.7	11350.	1	18	6000.
1953-54	F313-R	RIO HONDO BY-PASS CHANNEL	ABOVE WHITTIER NARROWS DAM STRUCTURE				7230.			
1954-55	"	"	"				8730.			
1953-54	F45-R	RIO HONDO	AT STEWART AND GRAY ROAD	1780.	0	14.9	10760.	2	13	8860.
1954-55	"	"	"	753.	0	11.1	8000.	1	18	4160.
1953-54	F82C-R	RUBIO WASH	AT GLENDON WAY	288	0	3.43	2490.	1	19	2310.
1954-55	"	"	"	126.	+	2.58	1870.	1	18	1290.
1953-54	F151R	SAN ANTONIO CREEK	AT MOUTH OF CANYON	482.	0	5.71	4140.	1	25	2650.
1954-55	"	"	"	INC.	INC.	INC.	INC.			
1953-54	F303-R	SAN DIMAS CREEK	BELOW SAN DIMAS DAM	61.	0	2.13	1540.	1	25	156.
1954-55	"	"	"	6.1	+	0.78	563.	11	16	175.

SUMMARY OF SEASONAL DISCHARGE  
Water Years 1953-54, 1954-55

YEAR	F.C. NUMBER	STATION	LOCATION	MAXIMUM DAILY C.F.S.	MINIMUM DAILY C.F.S.	MEAN C.F.S.	RUNOFF A.F.	PEAK FLOW		
								MONTH	DAY	C.F.S.
1953-54	F218-R	SAN DIMAS WASH	BELOW PUDDINGSTONE DIVERSION DAM	12.2	0	.337	244.	2	14	12.4
1954-55	"	"	"	"	"	"	0	"	"	"
1953-54	F209-R	SAN GABRIEL RIVER - WEST FORK	BELOW COGSWELL DAM NO. 2.	144.	0.1	10.4	7540.	1	26	146.
1954-55	"	"	"	36.	0.1	4.41	3190.	10	4	149.
1953-54	P3-R	SAN GABRIEL RIVER - WEST FORK	ABOVE FORKS	514.	2.2	32.0	23190.	1	25	953.
1954-55	"	"	"	83.	3.8	17.8	12850.	4	30	165.
1953-54	P4B-R	SAN GABRIEL RIVER - EAST FORK	ABOVE FORKS	660.	5.2	51.6	37320.	1	25	1690.
1954-55	"	"	"	105.	12.0	36.0	26090.	11	11	203.
1953-54	F250-R	SAN GABRIEL-AZUSA CONDUIT	AT WEIR BELOW SAN GABRIEL DAM NO. 1	90.	0	38.8	28070.	2	19	90.
1954-55	"	"	"	84.	30.	50.6	36610.	1	18	88.
1953-54	F220-R	SAN GABRIEL-AZUSA CONDUIT	AT GARCIA CANYON	69.	+	38.8	28090.	2	25	90.
1954-55	"	"	"	85.0	30.0	50.6	36600.	1	18	88.
1953-54	S100A-R	SAN GABRIEL-AZUSA-DUARTE TUNNEL DIV.	NEAR MOUTH OF SAN GABRIEL CANYON	35.0	0	3.03	2180.	"	"	"
1954-55	"	"	"	"	"	"	0	"	"	"
1953-54	F190-R	SAN GABRIEL RIVER	AT FOOTHILL BOULEVARD	848.	0	30.3	21920.	4	16	2160.
1954-55	"	"	"	3.8	0	0.05	38.	1	18	12.
1953-54	F191B-R	SAN GABRIEL RIVER	AT GARVEY BOULEVARD	"	"	"	0	"	"	"
1954-55	"	"	"	"	"	"	0	"	"	"
1953-54	F314-R	SAN GABRIEL BY-PASS CHANNEL	ABOVE WHITTIER NARROWS DAM STRUCTURE	"	"	"	7760	"	"	"
1954-55	"	"	"	"	"	"	4770	"	"	"
1953-54	F263-R	SAN GABRIEL RIVER	AT BEVERLY BOULEVARD	901.	0	15.2	10990.	2	13	5450.
1954-55	"	"	"	323.	0	12.8	9250.	1	18	1590.
1953-54	F262-R	SAN GABRIEL RIVER	AT FLORENCE AVENUE	688.	0	5.24	3790.	2	13	4060.
1954-55	"	"	"	317.	0	1.38	1000.	1	18	1850.
1953-54	F42-R	SAN GABRIEL RIVER	AT SPRING STREET, LONG BEACH	445.	0	2.85	2060.	2	13	3520.
1954-55	"	"	"	240.	0	1.13	820.	1	18	1640.
1953-54	F48-R	SAN JOSE CREEK	AT WORKMAN MILL ROAD	471.	0.1	5.49	3970.	2	13	2590.
1954-55	"	"	"	218.	+	1.61	1160.	1	18	1420.
1953-54	F119-R	SANTA ANITA CREEK	BELOW BIG SANTA ANITA DAM	145.	0	4.71	3410.	"	"	"
1954-55	"	"	"	27.2	0	1.98	1440.	"	"	N.D.
1953-54	F260B-R	SANTA ANITA WASH	AT FOOTHILL BOULEVARD	204.	0	3.45	2500.	"	"	N.D.
1954-55	"	"	"	22.	0	0.58	419.	"	"	N.D.
1953-54	F93-R	SANTA CLARA RIVER	ABOVE LANG R.R. STATION	18.	1.0	2.76	2000.	1	25	29.
1954-55	"	"	"	4.8	1.0	1.75	1270.	1	18	5.8
1953-54	F92B-R	SANTA CLARA RIVER	AT HIGHWAY 99	104.	0.05	1.60	1160.	1	19	626.
1954-55	"	"	"	96.	+	0.85	612.	1	18	746.
1953-54	F280-R	SANTA FE CHANNEL (RIO HONDO DIV.)	BELOW SANTA FE DAM	750.	0	11.5	8350.	5	7	752.
1954-55	"	"	"	"	"	"	0	"	"	"
1953-54	F125-R	SANTIAGO CREEK	ABOVE LITTLE ROCK CREEK	24.	0	0.87	631.	1	25	44.
1954-55	"	"	"	13.	0	0.83	602.	2	17	16.
1953-54	F278-R	SAWPIT CREEK	BELOW SAWPIT DAM	19.2	0	.347	251.	1	25	30.
1954-55	"	"	"	4.0	0	0.15	107.	11	13	29.
1953-54	F301-R	SAWTELLE-WESTWOOD CHANNEL	AT CULVER BOULEVARD	787.	0.3	8.93	6670.	2	13	4150.
1954-55	"	"	"	191.	0.2	4.32	3130.	1	10	2140.
1953-54	F67B-R	SIERRA MADRE WASH	BELOW SIERRA MADRE DAM	28.	0	.631	456.	1	19	99.
1954-55	"	"	"	3.5	+	0.16	114.	11	11	23.
1953-54	F267-R	SIERRA MADRE WASH	AT WOODLAND AVENUE	57.	0	.558	404.	1	19	333.
1954-55	"	"	"	11.7	0	0.23	164.	1	18	175.
1953-54	F43-R	SYCAMORE CANYON CHANNEL	ABOVE SOLWAY STREET	7.0	0	.096	69.	1	19	85.
1954-55	"	"	"	6.0	0	0.06	45.	5	1	69.
1953-54	F44B-R	SYCAMORE CANYON CHANNEL	AT ADAMS SQUARE	40.	+	0.69	499.	2	13	214.
1954-55	"	"	"	32.	+	0.58	418.	1	18	318.
1953-54	F276-R	THOMPSON CREEK SPREADING GROUNDS INTAKE	AT THOMPSON CREEK DAM	"	"	"	0	"	"	"
1954-55	"	"	"	"	"	"	0	"	"	"
1953-54	F32B-R	THOMPSON CREEK	BELOW THOMPSON CREEK DAM	"	"	"	0	"	"	"
1954-55	"	"	"	"	"	"	0	"	"	"
1953-54	F54-R	TOPANGA CREEK	ABOVE MOUTH OF CANYON	396.	0	2.51	1820.	2	13	2090.
1954-55	"	"	"	33.	0.01	0.49	354.	1	18	151.
1953-54	F252-R	VERDUGO CHANNEL	AT ESTELLE AVENUE	227.	0	2.66	1920.	2	13	1300.
1954-55	"	"	"	134.	0	2.05	1480.	1	18	784.
1953-54	F304-R	WALNUT CREEK	AT PUENTE AVENUE	297.	0	34.9	25290.	2	13	1500.
1954-55	"	"	"	337.	0	29.9	21640.	1	18	732.

**DAM OPERATION RECORDS**

## DAMS, DEBRIS DAMS AND DEBRIS BASINS

## FOREWORD

The District operated and maintained fourteen dams, seven debris dams and thirty-seven debris basins during the 1953-54 and 1954-55 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, Santa Fe Dam on the San Gabriel River and the Rio Hondo, and Haines Debris Basin. Pertinent data relative to the District's flood control and water conservation dams, debris dams and debris basins are presented in the three following tabulations:

## FLOOD CONTROL AND CONSERVATION DAMS

Dam	Date of Completion	Date of Survey for Original Storage	Original Storage at Spwy A.F.	Date of Latest Survey	Latest Storage at Spwy. A.F.	Drainage Area
1. Pacoima	Feb. 1929	1919	6060	Oct. 1954	4787.	28.2
2. Big Tujunga	July 1931	1928	6240	Oct. 1953	4099.	82.3
3. Devil's Gate	June 1929	1933	4601	Sept. 1955	2636.	31.9
4. Eaton Wash	Feb. 1937	Jan. 1936	956	Jan. 1955	703.	9.5
5. Big Santa Anita	May 1927	1923	1376	Aug. 1955	584.	10.8
6. Sawpit	June 1927	1923	476	Mar. 1954	305.	3.3
7. Cogswell	Apr. 1934	Jan. 1936	12298	Sept. 1947	10634.	39.2
8. San Gabriel	July 1939	1938(1)	53344	May 1954	44013.	163.5 <sup>a/</sup>
9. Big Dalton	Aug. 1929	1935(2)	1053	Sept. 1944	952.	4.5
10. San Dimas	Sept. 1922	1919	1496	Oct. 1954	1025.	16.2
11. Puddingstone Diversion <sup>b/</sup>	July 1928	1929	148	Sept. 1953	138.	2.6
12. Puddingstone	Jan. 1928	1915	17398	Jan. 1941	17190.	11.0 <sup>c/</sup>
13. Live Oak	Nov. 1922	1919	250	Nov. 1952	221.	2.3
14. Thompson Creek	Mar. 1928	Oct. 1932	812	Sept. 1954	572.(3)	3.5

<sup>a/</sup> Exclusive of drainage area above Cogswell Dam.

<sup>b/</sup> Temporary storage - functions primarily to divert flow.

<sup>c/</sup> Exclusive of drainage area above Live Oak, San Dimas and Puddingstone Div. Dams.

(1) Based on a partial survey prior to March 2, 1938 and extrapolations.

(2) 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.

(3) Loss in storage due to lowering spillway lip in January 1942.

## DEBRIS DAMS

DEBRIS DAMS	DATE OF COMPLETION	DRAINAGE AREA IN SQ. MILES	MAX DEBRIS CAPACITY CU. YDS.	CAPACITY AT BEGINNING OF 1954-55 SEASON	APPROXIMATE DEPOSITION 1953-54	DEBRIS CU. YDS. 1954-55
1. Bailey (1)	Dec. 1954	0.60	165,700	165,700	35,904	N
2. Lower Big Dalton (2)	1927	0.34	27,500	27,500	N	N
3. Rubio	Apr. 1944	1.26	144,000	133,700	N	N
4. Sawpit	Jan. 1955	2.84	746,000	746,000		N
5. Sierra Madre	Feb. 1928	2.39	146,500(3)	142,200	79,629	N
6. Sunset	Nov. 1929	0.44	17,500	12,600	N	N
7. Verdugo	Mar. 1935	9.43(4)	151,700	138,000	N	N

## DEBRIS BASINS

DEBRIS BASINS	DATE OF COMPLETION	DRAINAGE AREA IN SQ. MILES	MAX DEBRIS CAPACITY CU. YDS.	CAPACITY AT BEGINNING OF 1954-55 SEASON	APPROXIMATE DEPOSITION 1953-54	DEBRIS CU. YDS. 1954-55
1. Altadena Golf Club (5)	1911	0.65	13,000	12,100	907	497
2. Auburn	Dec. 1954	0.19	57,100	57,100		N
3. Bradbury	Jan. 1955	0.68	53,200	53,200		N
4. Brand	Nov. 1935	1.03	72,500	63,000	N	N
5. Carter	Dec. 1954	0.12	21,800	21,800	N	N
6. Cooks	Jan. 1952	0.58*	52,100	52,100	N	2,267
7. Deer	Nov. 1954	0.59	44,600	44,600		N
8. Dunsmuir	Oct. 1936	0.84*	122,200	110,700	N	N
9. Eagle	Oct. 1936	0.61*	71,900	55,300	N	N
10. Fair Oaks	Dec. 1935	0.21	28,500	28,000	N	N
11. Fern	Dec. 1935	0.30	32,900	31,200	460	N
12. Floral Upper	Mar. 1954	0.06	2,300	2,300		200 est.
13. Floral Lower	Mar. 1954	0.11	5,200	5,200		N
14. Gould	Dec. 1947	0.47	53,800	45,800	N	N
15. Haines (6)	June 1938	1.53	158,600	132,600	3,620	N
16. Halls	Nov. 1935	1.06*(7)	104,000	59,000	3,310	N
17. Hay	Oct. 1936	0.20	39,800	34,700	N	N
18. Lannan	Mar. 1954	0.25	58,000	58,000	N	7,529
19. Las Flores	Apr. 1936	0.45	61,600	55,600	N	N
20. Lincoln	Jan. 1936	0.50	40,900	40,900	N	N
21. Maddock	Jan. 1955	0.25	27,100	27,100		N
22. May No. 1	Aug. 1953	0.70	67,100	67,100	N	N
23. May No. 2	Aug. 1953	0.09	6,700	6,700	N	N
24. McClure	Dec. 1953	0.62	94,800	94,800	N	N
25. Nichols	Nov. 1937	0.94	32,200	23,900	1,917	N

DEBRIS BASINS	DATE OF COMPLETION	DRAINAGE AREA IN SQ. MILES	MAX DEBRIS CAPACITY CU. YDS.	CAPACITY AT BEGINNING OF 1954-55 SEASON	APPROXIMATE DEPOSITION 1953-54	DEBRIS CU. YDS. 1954-55
26. Paradise	Mar. 1952(8)	0.47(8)	14,100	14,100	N	838
27. Pickens	Nov. 1935	1.84*	116,500	71,100	4,332	N
28. Rowley	Jan. 1954	0.58	37,300	37,300	N	1,048
29. Ruby, Upper	Jan. 1954	0.21	15,000	14,000	1,000	N
30. Scholl	Aug. 1945	0.66	30,900	27,200	N	N
31. Shields	Jan. 1937	0.27*	46,600	43,000	N	N
32. Snover	Feb. 1937	0.23*	37,700	20,100	N	N
33. Sparr	Feb. 1947	0.84	14,400	13,900	N	N
34. Stough	Jan. 1941	1.65	103,700	98,600	N	1,393
35. Turnbull	Jan. 1953	0.99	26,700	26,700	N	1,307
36. Ward	Dec. 1944	0.64*	9,900	5,200	2,080	1,000 est.
37. West Ravine	Dec. 1935	0.25	49,600	47,700	1,011	N
38. Wilbur Avenue (9)	June 1942	8.63	50,300	21,800	23,440	N

## NOTES:

- (1) Basin was originally constructed in 1945 and reconstructed and enlarged in December 1954.
- (2) Dam was constructed in 1929. No record of debris production from watershed is available.
- (3) Capacity of reservoir enlarged by cleanout March 1953.
- (4) Excludes 6.07 square miles of drainage area controlled by debris basins designated by\*.
- (5) Constructed in 1911 as part of the Rubio Storm Drain System, but only operated by the District since the 1945-46 season.
- (6) Owned and operated by the Corps of Engineers, Department of the Army.
- (7) Includes Webber Canyon.
- (8) Basin was constructed in 1944; reconstructed in 1952. However, due to construction of Gould Debris Basin, new subdivisions, road drains, etc., uncontrolled drainage area has been changed several times. Drainage area listed does not include area tributary to Gould Debris Basin.
- (9) Aliso-Wilbur Debris Basin has been renamed Wilbur Avenue Debris Basin.

\* See note (4) above.

(N) Negligible amounts of debris produced.

## PURPOSE

Dams of the Los Angeles County Flood Control District serve two purposes, flood control, and conservation. Debris dams and basins serve primarily the purpose of controlling 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. 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.

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 1953-54 and 1954-55 seasons:

Dam	1953-54 Acre-feet	1954-55 Acre-feet
Devil's Gate	30.9 <sup>2/</sup>	35.5 <sup>2/</sup>
San Gabriel	287. <sup>1/</sup>	
Puddingstone Diversion	0.93 <sup>2/</sup>	8.0 <sup>2/</sup>
Santa Anita	145. <sup>1/</sup>	5.0 <sup>1/</sup>
Sierra Madre	45.9 <sup>2/</sup>	
Thompson Creek	1.98 <sup>2/</sup>	

## 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.

<sup>1/</sup> By sluicing

<sup>2/</sup> By excavation



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 Cogswell and San Gabriel Reservoirs. Total monthly evaporation losses are shown as determined from measurements made on floating evaporation pans. In those cases where no allowances were made for evaporation, the amounts are necessarily included in the flow values.

Accuracy of the flow records computed from storage records is dependent on the frequency with which storage data are revised to keep in step with physical change in reservoirs. Percentage of error is in direct proportion to the error in water surface areas through the range at which the flows were computed; normally, the error is small.

#### RESPONSIBILITY

The compilation of the records and assembly for publication during 1953-54 and 1954-55 was under the immediate supervision of R. E. Lindsay, Section Head, Reservoir and Runoff Record Section, assisted by J. H. Lang.

Office work was under the direction of W. J. Wood, Assistant Chief, Hydraulic Division.

Determination of storage and releases during both floods and normal or percolation flows for channels and spreading grounds, drawdown for sluicing operations, channel capacities and conditions, measuring inflows and outflows, and notification of parties affected by releases was under the direction of Finley B. Laverty, Chief, Hydraulic Division.

The operation and maintenance, such as mechanical operation of valves, maintenance and construction of various structures for dams, debris basins and spreading grounds, and access thereto, sluicing of reservoirs was under the supervision of R. D. Reeve, Chief, Operation and Maintenance Division.

PACQUIMA

7&D138N-68B Q6 7-55

Daily Gage Height in feet and Operation Record of PACQUIMA Dam

In Pacoima Canyon for the Year Ending September 30, 19.54

Continuous Water Stage Recorder Au

Drainage Area 29.2 Square Miles Capacity of Reservoir 4714.4 Ac. Ft. at Spillway Elev. 1950.0 Ft. as of December 19.44 Survey Gage Heights Read Daily

Day	October				November				December				January				Day		
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow			
1	1799.4	52.6	0.2	0	1799.7	54.2	0.2	0	1800.2	54.8	0.1	0	1801.2	69.4	0.1	0	1		
2	1799.5	53.2	0.2	0	1799.7	54.3	0.2	0	1800.2	54.8	0.1	0	1801.3	70.1	0.1	0	2		
3	1799.7	54.3	0.2	0	1799.8	54.9	0.2	0	1800.4	54.4	0.1	0	1801.3	70.1	0.1	0	3		
4	1799.8	54.9	0.2	0	1799.8	54.9	0.2	0	1800.4	54.4	0.1	0	1801.4	70.7	0.1	0	4		
5	1799.9	55.4	0.2	0	1799.9	55.4	0.2	0	1800.4	54.4	0.1	0	1801.4	70.7	0.1	0	5		
6	1799.0	55.0	0.2	0	1799.0	55.0	0.2	0	1800.5	55.0	0.1	0	1801.5	71.4	0.1	0	6		
7	1799.1	55.6	0.2	0	1799.0	55.0	0.2	0	1800.5	55.0	0.1	0	1801.5	71.4	0.1	0	7		
8	1799.2	57.2	0.2	0	1799.1	55.6	0.2	0	1800.6	55.6	0.1	0	1801.6	72.1	0.1	0	8		
9	1799.2	57.2	0.2	0	1799.1	55.6	0.2	0	1800.6	55.6	0.1	0	1801.6	72.1	0.1	0	9		
10	1799.2	57.2	0.2	0	1799.2	57.2	0.2	0	1800.7	56.2	0.1	0	1801.7	72.7	0.1	0	10		
11	1799.4	58.4	0.2	0	1799.3	57.8	0.1	0	1800.7	56.2	0.1	0	1801.7	72.7	0.1	0	11		
12	1799.4	58.4	0.2	0	1799.3	57.8	0.1	0	1800.7	56.2	0.1	0	1801.9	74.0	0.1	0	12		
13	1799.5	59.0	0.2	0	1799.4	58.4	0.1	0	1800.7	56.2	0.1	0	1801.9	74.0	0.1	0	13		
14	1799.5	59.0	0.2	0	1799.5	59.0	0.3	0	1800.8	56.9	0.1	0	1801.9	74.0	0.1	0	14		
15	1797.2	46.2	0.3	2.9	1799.6	59.5	0.3	0	1800.8	56.9	0.1	0	1802.0	74.7	0.1	0	15		
16	1797.3	44.8	0.3	0	1799.7	60.1	0.1	0	1800.8	56.9	0.1	0	1802.1	75.4	0.2	0	16		
17	1797.4	47.3	0.3	0	1799.7	60.1	0.1	0	1800.8	56.9	0.1	0	1802.1	75.4	0.2	0	17		
18	1797.5	47.5	0.3	0	1799.7	60.1	0.1	0	1800.8	56.9	0.1	0	1802.3	75.7	0.2	0	18		
19	1797.6	48.3	0.3	0	1799.8	60.7	0.1	0	1800.9	57.5	0.1	0	1802.3	75.7	0.2	0	19		
20	1797.7	49.6	0.2	0	1799.8	60.7	0.1	0	1800.9	57.5	0.1	0	1802.7	83.5	1.4	0	20		
21	1797.6	49.4	0.2	0	1799.8	61.3	0.1	0	1801.0	58.1	0.1	0	1802.8	87.2	1.0	0	21		
22	1797.0	49.9	0.2	0	1799.9	61.3	0.1	0	1801.0	58.1	0.1	0	1802.8	87.2	1.0	0	22		
23	1797.0	50.4	0.2	0	1800.0	61.9	0.1	0	1801.0	58.1	0.1	0	1803.9	107.3	0.2	0	23		
24	1797.1	51.0	0.2	0	1800.0	61.9	0.1	0	1801.0	58.1	0.1	0	1803.9	107.3	0.2	0	24		
25	1797.2	51.5	0.2	0	1800.0	61.9	0.1	0	1801.1	58.1	0.1	0	1803.9	107.3	0.2	0	25		
26	1797.3	52.1	0.2	0	1800.1	62.5	0.1	0	1801.1	58.1	0.1	0	1803.9	107.3	0.2	0	26		
27	1797.3	52.1	0.2	0	1800.2	63.1	0.1	0	1801.1	58.1	0.1	0	1803.9	107.3	0.2	0	27		
28	1797.4	52.6	0.2	0	1800.2	63.1	0.1	0	1801.1	58.1	0.1	0	1803.9	107.3	0.2	0	28		
29	1797.5	53.2	0.2	0	1800.2	63.1	0.1	0	1801.2	58.1	0.1	0	1803.9	107.3	0.2	0	29		
30	1797.5	53.2	0.2	0	1800.3	63.8	0.1	0	1801.2	58.1	0.1	0	1803.9	107.3	0.2	0	30		
31	1797.6	53.8	0.2	0	1800.3	63.8	0.1	0	1801.2	58.1	0.1	0	1803.9	107.3	0.2	0	31		
TOTAL																			
Inf. Ac. Ft.			13.2																
Outf. Ac. Ft.							0.9												
Maximum				10.9															
Mean Daily Inflow			0.3				0.1												
Minimum			0.2				0.1												
Mean Daily Inflow																			
Storage Change	42.3																		

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1899.75	feet	on	4-5-54	Storage	2124.2	Acres Feet													
Min. W. S. Elev.	1797.2	feet	on	10-15-53	Storage	46.2	Acres Feet													
Max. Peak Inf.	272.	C.F.S. from	4:00 AM	on	1-25-54	to	5:00 AM	on	1-25-54											
Max. Peak Outf.	292.	C.F.S. from	10:00 AM	on	4-5-54	to	11:00 AM	on	4-5-54											

RECORDS COLLECTED BY: E. K. BARR (Dam Tender), S. E. BLAKELY (Hydrographer)

COMPUTATIONS: Gage Hts. copied (JHL HRW), Storage applied (JHL HRW), Inf. & Outf. comp. (JHL HRW)

REMARKS: (INDICATES AVERAGE FOR PERIOD)

7&D138N-68B Q6 7-55

Daily Gage Height in feet and Operation Record of PACQUIMA Dam

In Pacoima Canyon for the Year Ending September 30, 19.54

Continuous Water Stage Recorder Au

Drainage Area 29.2 Square Miles Capacity of Reservoir 4714.4 Ac. Ft. at Spillway Elev. 1950.0 Ft. as of December 19.44 Survey Gage Heights Read daily

Day	February				March				April				May				Day		
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow			
1	1835.7	451.9	3.1	0	1864.9	1035.6	5.0	0	1895.1	1948.4	34.7	0	1842.3	562.1	5.3	0	1		
2	1836.1	458.2	3.1	0	1865.3	1045.4	5.0	0	1896.7	2007.7	29.9	0	1842.9	572.6	5.3	0	2		
3	1836.5	464.6	3.0	0	1865.7	1055.2	5.0	0	1898.1	2060.6	26.7	0	1843.4	581.5	4.5	0	3		
4	1836.6	469.4	3.0	0	1865.0	1062.6	4.9	0	1899.4	2110.7	25.3	0	1843.8	589.6	3.6	0	4		
5	1837.1	474.2	3.0	0	1866.4	1072.6	4.9	0	1891.8	2129.4	26.5	177.2	1844.2	595.8	3.6	0	5		
6	1837.3	477.5	2.1	0	1866.7	1080.0	3.8	0	1890.3	1448.0	27.0	216.0	1844.6	603.1	3.7	0	6		
7	1837.6	482.4	2.0	0	1867.0	1087.6	3.8	0	1895.8	1057.7	27.0	229.4	1845.0	610.4	3.6	0	7		
8	1837.8	485.6	2.0	0	1867.3	1095.2	3.8	0	1892.0	748.9	23.8	181.1	1845.9	617.8	3.6	0	8		
9	1838.0	488.9	2.0	0	1867.6	1102.7	3.8	0	1896.6	466.2	23.0	181.1	1846.9	627.7	4.7	0	9		
10	1838.3	493.9	2.0	0	1867.9	1110.3	3.8	0	1815.8	128.3	19.0	159.8	1846.3	634.5	3.7	0	10		
11	1838.6	498.9	2.0	0	1868.2	1117.9	3.8	0	1819.0	14.0	17.2	0	1846.7	642.1	3.8	0	11		
12	1838.8	502.2	2.0	0	1868.4	1123.0	2.6	0	1821.6	25.5	15.1	0	1847.0	647.7	3.0	0	12		
13	1841.5	553.3	2.5	0	1868.6	1128.0	2.5	0	1823.7	202.2	13.0	0	1847.1	649.6	2.7	2.5	13		
14	1847.8	663.1	5.4	0	1868.8	1133.1	2.5	0	1825.6	306.4	12.2	0	1846.9	645.8	2.7	4.4	14		
15	1850.9	724.5	30.9	0	1869.0	1138.2	2.6	0	1827.3	329.0	11.4	0	1846.7	642.1	2.7	4.4	15		
16	1853.1	769.7	22.8	0	1869.5	1151.0	4.4	0	1828.8	349.5	10.3	0	1846.5	638.3	2.7	4.4	16		
17	1854.5	807.7	19.2	0	1870.0	1169.0	9.1	0	1830.0	366.3	8.5	0	1846.3	634.5	2.0	4.5	17		
18	1856.5	842.1	17.3	0	1870.6	1179.3	5.2	0	1831.2	383.6	8.7	0	1846.0	628.9	1.9	4.5	18		
19	1857.9	872.7	15.4	0	1871.0	1199.8	8.1	0	1833.2	399.8	8.2	0	1845.7	623.4	1.9	4.5	19		
20	1859.0	897.3	12.4	0	1872.4	1226.3	13.5	0	1833.4	416.4	8.4	0	1845.4	617.8	1.9	4.6	20		
21	1859.9	917.6	10.3	0	1874.1	1271.6	22.8	0	1834.4	431.7	7.7	0	1845.1	612.3	1.4	4.7	21		
22	1860.7	935.9	9.2	0	1876.0	1323.6	24.3	0	1835.2	445.6	7.0	0	1844.7	604.9	1.4	5.2	22		
23	1861.5	954.4	9.3	0	1877.7	1371.7	24.4	0	1836.0	459.8	7.1	0	1844.3	597.7	1.4	5.2	23		
24	1862.2	970.7	8.2	0	1879.5	1424.1	36.4	0	1837.0	472.6	6.5	0	1843.9	590.4	1.4	5.1	24		
25	1862.6	984.9	7.2	0	1881.6	1487.7	32.1	0	1837.7	484.0	6.4	0	1843.5	583.3	1.4	4.4	25		
26	1862.6	993.2	7.2	0	1883.5	1547.6	30.2	0	1838.5	497.2	6.4	0	1843.2	578.0	1.3	4.4	26		
27	1863.9	1011.2	6.1	0	1885.1	1599.4	26.1	0	1839.5	510.5	6.3	0	1842.8	570.9	1.3	4.4	27		
28	1864.4	1023.4	6.1	0	1886.6	1649.3	25.2	0	1840.3	527.4	6.5	0	1842.5	565.6	1.3	4.1	28		
29					1888.2	1703.5	27.3	0	1841.0	539.4	6.1	0	1842.1	558.6	1.2	4.6	29		
30					1891.1	1804.6	51.0	0	1841.7	551.6	6.1	0	1841.7	551.6	1.2	5.0	30		
31					1893.2	1879.5	37.7	0					1841.3	544.6	1.2	4.5	31		
TOTAL																			
Inf. Ac. Ft.			579.4				856.1					876.7							
Outf. Ac. Ft.																			

PACOIMA (Cont'd)

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DAM OPERATION RECORD																																																																																																																																																																						
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT HYDRAULIC DIVISION																																																																																																																																																																						
Daily Gage Height in feet and Operation Record of <u>PACOIMA</u> Dam																																																																																																																																																																						
In <u>Pacoima Canyon</u> for the Year Ending September 30, 19 <u>54</u>																																																																																																																																																																						
Continuous Water Stage Recorder <u>Au</u>																																																																																																																																																																						
Drainage Area <u>28.2</u> Square Miles Capacity of Reservoir <u>4714.4</u> Ac. Ft. at Spillway Elev. <u>1950.0</u> Ft. as of <u>December</u> 19 <u>54</u> Survey Gage Heights <u>Read daily</u>																																																																																																																																																																						
Day	June				July				August				September				Day																																																																																																																																																					
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow																																																																																																																																																						
1	1840.9	537.7	0.8	4.0	1827.3	329.0	0.2	4.4	1803.9	37.9	0.2	0	1804.5	83.5	0.2	0	1																																																																																																																																																					
2	1840.6	532.6	0.8	4.0	1826.7	320.9	0.2	4.3	1804.0	38.6	0.2	0	1804.6	84.2	0.2	0	2																																																																																																																																																					
3	1840.1	524.0	0.8	4.0	1826.3	315.6	0.1	3.3	1804.2	30.1	0.2	0	1804.7	84.8	0.2	0	3																																																																																																																																																					
4	1839.8	519.9	0.8	4.5	1825.7	307.7	0.1	3.9	1803.3	33.6	0.2	2.4	1804.7	84.8	0.2	0	4																																																																																																																																																					
5	1839.3	510.5	0.8	4.3	1825.1	299.9	0.1	4.1	1802.2	76.1	0.3	3.6	1804.8	85.5	0.2	0	5																																																																																																																																																					
6	1838.9	503.6	0.7	4.2	1824.5	292.3	0.1	4.1	1801.9	74.0	0.5	1.2	1804.8	85.5	0.2	0	6																																																																																																																																																					
7	1838.5	497.2	0.7	4.2	1823.9	284.7	0.1	4.2	1802.0	74.7	0.5	0	1804.9	86.1	0.2	0	7																																																																																																																																																					
8	1838.1	490.6	0.7	4.0	1823.3	277.2	0.1	4.0	1802.2	76.1	0.4	0	1805.0	86.8	0.2	0	8																																																																																																																																																					
9	1837.7	484.0	0.7	4.0	1822.7	269.8	0.1	4.0	1802.3	76.7	0.4	0	1805.0	86.8	0.2	0	9																																																																																																																																																					
10	1837.3	477.5	0.7	4.0	1822.1	262.2	0.1	4.0	1802.5	78.1	0.4	0	1805.1	87.5	0.2	0	10																																																																																																																																																					
11	1836.9	471.0	0.7	4.0	1821.6	254.6	0.1	4.0	1802.7	79.5	0.4	0	1805.1	87.5	0.2	0	11																																																																																																																																																					
12	1836.4	464.0	0.7	4.0	1821.0	247.0	0.1	3.5	1802.7	79.5	0.4	0	1805.2	88.2	0.2	0	12																																																																																																																																																					
13	1835.7	458.2	0.7	4.0	1820.2	240.1	0.1	5.3	1802.8	80.1	0.4	0	1805.2	88.2	0.2	0	13																																																																																																																																																					
14	1835.1	451.9	0.7	3.9	1819.3	229.8	0.1	4.8	1803.0	81.5	0.4	0	1805.3	88.8	0.2	0	14																																																																																																																																																					
15	1835.3	445.6	0.7	3.8	1818.6	222.0	0.1	4.4	1803.1	82.2	0.4	0	1805.3	88.8	0.2	0	15																																																																																																																																																					
16	1834.9	439.4	0.6	4.1	1817.8	213.3	0.1	4.4	1803.2	82.9	0.4	0	1805.4	89.5	0.1	0	16																																																																																																																																																					
17	1834.4	431.7	0.6	4.4	1817.1	205.8	0.1	4.3	1803.3	83.6	0.4	0	1805.4	89.5	0.1	0	17																																																																																																																																																					
18	1833.9	424.0	0.6	4.6	1816.3	197.4	0.1	4.3	1803.4	84.3	0.4	0	1805.5	90.2	0.1	0	18																																																																																																																																																					
19	1833.3	414.9	0.6	4.8	1815.3	187.2	0.1	5.1	1803.5	85.1	0.4	0	1805.5	90.2	0.1	0	19																																																																																																																																																					
20	1832.7	405.8	0.6	5.1	1814.3	177.2	0.1	4.7	1803.6	85.8	0.4	0	1805.6	90.2	0.1	3.4	20																																																																																																																																																					
21	1832.1	397.6	0.6	4.3	1813.3	167.4	0.1	4.7	1803.7	86.5	0.4	0	1803.0	79.3	0.2	4.8	21																																																																																																																																																					
22	1831.7	390.9	0.6	3.7	1812.2	157.0	0.1	4.9	1803.8	87.2	0.3	0	1801.5	85.2	0.2	4.7	22																																																																																																																																																					
23	1831.3	384.5	0.6	3.7	1811.0	145.9	0.1	5.2	1803.9	87.9	0.3	0	1799.9	81.7	0.2	4.7	23																																																																																																																																																					
24	1830.9	378.3	0.5	3.7	1810.2	139.7	0.05	3.8	1804.0	88.6	0.3	0	1798.7	75.1	0.2	2.9	24																																																																																																																																																					
25	1830.5	372.3	0.4	3.7	1809.3	130.8	0.05	3.7	1804.1	89.3	0.3	0	1798.9	59.0	0.2	0	25																																																																																																																																																					
26	1830.0	366.3	0.4	3.7	1808.5	124.0	0.05	3.4	1804.1	89.3	0.3	0	1799.0	52.4	0.2	0	26																																																																																																																																																					
27	1829.5	359.3	0.4	3.7	1807.8	118.2	0.05	3.1	1804.2	90.1	0.3	0	1799.0	52.4	0.2	0	27																																																																																																																																																					
28	1829.0	352.3	0.4	3.8	1806.8	110.0	0.1	4.2	1804.3	90.8	0.3	0	1799.1	52.9	0.2	0	28																																																																																																																																																					
29	1828.5	345.4	0.4	4.4	1805.7	101.3	0.1	4.2	1804.4	91.6	0.2	0	1799.2	53.4	0.2	0	29																																																																																																																																																					
30	1827.9	337.1	0.4	4.4	1804.7	93.6	0.1	4.1	1804.4	91.6	0.2	0	1799.2	53.4	0.1	0	30																																																																																																																																																					
31					1803.9	87.9	0.1	3.4	1804.5	92.3	0.2	0					31																																																																																																																																																					
<table border="0"> <tr> <td>TOTAL</td> <td></td> <td>194</td> <td>133.0</td> <td></td> <td></td> <td></td> <td>3.1</td> <td>128.7</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Inf. Ac. Ft.</td> <td></td> <td>56.5</td> <td></td> <td></td> <td></td> <td></td> <td>25.3</td> <td></td> <td></td> <td></td> <td>20.6</td> <td></td> <td></td> <td></td> <td>10.9</td> <td></td> <td></td> <td>2951.8</td> </tr> <tr> <td>Outf. Ac. Ft.</td> <td></td> <td>24.4</td> <td></td> <td></td> <td></td> <td></td> <td>0.2</td> <td></td> <td></td> <td></td> <td>16.3</td> <td></td> <td></td> <td></td> <td>41.1</td> <td></td> <td></td> <td>2941.2</td> </tr> <tr> <td>Maximum</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>137.3</td> </tr> <tr> <td>Mean Daily Inflow</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Minimum</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.5</td> <td></td> <td></td> <td></td> <td>0.2</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Mean Daily Outflow</td> <td></td> <td>0.4</td> <td></td> <td></td> <td></td> <td></td> <td>0.5</td> <td></td> <td></td> <td></td> <td>0.2</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.05</td> </tr> <tr> <td>Storage Change</td> <td></td> <td>+207.5</td> <td></td> <td></td> <td></td> <td></td> <td>-249.2</td> <td></td> <td></td> <td></td> <td>+4.4</td> <td></td> <td></td> <td></td> <td>-30.1</td> <td></td> <td></td> <td>+1.9 + 8.8</td> </tr> </table>															TOTAL		194	133.0				3.1	128.7											Inf. Ac. Ft.		56.5					25.3				20.6				10.9			2951.8	Outf. Ac. Ft.		24.4					0.2				16.3				41.1			2941.2	Maximum																		137.3	Mean Daily Inflow																			Minimum							0.5				0.2								Mean Daily Outflow		0.4					0.5				0.2							0.05	Storage Change		+207.5					-249.2				+4.4				-30.1			+1.9 + 8.8
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NOTE: Gage Heights and Storages as of Midnight on Day Shown																																																																																																																																																																						
<table border="0"> <tr> <td>Max. W. S. Elev.</td> <td>1899.75</td> <td>feet</td> <td>on</td> <td>4-5-54</td> <td>Storage</td> <td>2124.2</td> <td>Acres Feet</td> <td></td> <td colspan="6">RECORDS COLLECTED BY</td> <td>COMPUTATIONS</td> <td>ckd.</td> <td>Date</td> </tr> <tr> <td>Min. W. S. Elev.</td> <td>1797.2</td> <td>feet</td> <td>on</td> <td>10-15-53</td> <td>Storage</td> <td>46.2</td> <td>Acres Feet</td> <td></td> <td colspan="6">E. K. BARR</td> <td>Gage Hts. copied</td> <td>JHL</td> <td>HRW</td> </tr> <tr> <td>Max. Peak Inf.</td> <td>272.</td> <td>C.F.S. from</td> <td></td> <td>4:00 AM</td> <td>on</td> <td>1-25-54</td> <td>to</td> <td>5:00 AM</td> <td>on</td> <td>1-25-54</td> <td colspan="6">S. E. BLAKELY</td> <td>Storage applied</td> <td>JHL</td> <td>HRW</td> </tr> <tr> <td>Max. Peak Outf.</td> <td>292.</td> <td>C.F.S. from</td> <td></td> <td>10:00 AM</td> <td>on</td> <td>4-5-54</td> <td>to</td> <td>11:00 AM</td> <td>on</td> <td>4-5-54</td> <td colspan="6">Hydrographer</td> <td>Inf. &amp; Outf. comp.</td> <td>JHL</td> <td>HRW</td> </tr> </table>															Max. W. S. Elev.	1899.75	feet	on	4-5-54	Storage	2124.2	Acres Feet		RECORDS COLLECTED BY						COMPUTATIONS	ckd.	Date	Min. W. S. Elev.	1797.2	feet	on	10-15-53	Storage	46.2	Acres Feet		E. K. BARR						Gage Hts. copied	JHL	HRW	Max. Peak Inf.	272.	C.F.S. from		4:00 AM	on	1-25-54	to	5:00 AM	on	1-25-54	S. E. BLAKELY						Storage applied	JHL	HRW	Max. Peak Outf.	292.	C.F.S. from		10:00 AM	on	4-5-54	to	11:00 AM	on	4-5-54	Hydrographer						Inf. & Outf. comp.	JHL	HRW																																																																												
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DAM OPERATION RECORD																	
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of <u>PACOIMA</u> Dam																	
In <u>Pacoima Canyon</u> for the Year Ending September 30, 19 <u>55</u>																	
Continuous Water Stage Recorder <u>Au</u>																	
Drainage Area <u>28.2</u> Square Miles Capacity of Reservoir <u>4769.0</u> Ac. Ft. at Spillway Elev. <u>1950.0</u> Ft. as of <u>October</u> 19 <u>54</u> Survey Gage Heights <u>read daily</u>																	
Day	October				November				December				January				Day
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1799.3	53.8	0.2	0	1801.1	53.0	0.1	0	1802.4	70.4	0.1	0	1803.5	77.0	0.3	0	1
2	1799.4	54.2	0.2	0	1801.2	53.5	0.1	0	1802.4	70.4	0.1	0	1803.6	77.7	0.4	0	2
3	1799.5	54.8	0.2	0	1801.1	53.5	0.1	0	1802.5	71.0	0.1	0	1803.7	78.3	0.3	0	3
4	1799.6	55.3	0.2	0	1801.2	54.1	0.1	0	1802.6	71.5	0.1	0	1803.8	78.9	0.2	0	4
5	1799.7	55.8	0.2	0	1801.3	54.1	0.1	0	1802.6	71.5	0.1	0	1803.8	79.9	0.1	0	5
6	1799.7	55.8	0.2	0	1801.4	54.6	0.1	0	1802.6	71.5	0.1	0	1804.0	80.2	0.4	0	6
7	1799.6	56.2	0.2	0	1801.4	54.6	0.1	0	1802.7	72.1	0.1	0	1804.0	80.2	0.2	0	7
8	1799.9	56.7	0.2	0	1801.4	54.6	0.2	0	1802.7	72.1	0.1	0	1804.1	80.9	0.4	0	8
9	1799.9	56.7	0.2	0	1801.5	55.2	0.2	0	1802.8	72.7	0.1	0	1804.2	81.5	0.3	0	9
10	1800.0	57.2	0.2	0	1801.6	55.8	0.2	0	1802.9	73.3	0.1	0	1804.7	84.8	1.6	0	10
11	1800.1	57.7	0.2	0	1801.7	56.3	0.3	0	1802.9	73.3	0.1	0	1804.9	85.1	0.7	0	11
12	1800.2	58.2	0.2	0	1801.8	56.9	0.2	0	1802.9	73.3	0.1	0	1805.1	87.5	0.7	0	12
13	1800.3	58.7	0.2	0	1801.8	56.9	0.2	0	1803.0	73.9	0.1	0	1805.2	88.2	0.3	0	13
14	1800.3	58.7	0.2	0	1801.9	57.4	0.1	0	1803.0	73.9	0.1	0	1805.2	88.2	0.4	0	14
15	1800.4	59.2	0.2	0	1801.9	57.4	0.1	0	1803.0	73.9	0.1	0	1805.2	88.2	0.7	0	15
16	1800.4	59.3	0.2	0	1802.0	58.0	0.1	0	1803.0	73.9	0.1	0	1805.5	92.9	1.3	0	16
17	1800.4	59.3	0.2	0	1802.0	58.0	0.1	0	1803.0	73.9	0.1	0	1805.1	94.3	0.7	0	17
18	1800.5	59.8	0.1	0	1802.0	58.0	0.1	0	1803.0	73.9	0.1	0	1805.0	100.6	3.2	0	18
19	1800.5	59.8	0.1	0	1802.0	58.0	0.1	0	1803.1	74.5	0.1	0	1807.4	103.5	1.5	0	19
20	1800.6	60.3	0.1	0	1802.1	58.6	0.1	0	1803.1	74.5	0.1	0	1807.8	106.4	1.4	0	20
21	1800.6	60.3	0.1	0	1802.1	58.6	0.1	0	1803.1	74.5	0.1	0	1808.0	107.6	0.7	0	21
22	1800.7	60.8	0.1	0	1802.1	58.6	0.1	0	1803.2	75.2	0.1	0	1808.3	110.0	0.7	0	22
23	1800.7	60.8	0.1	0	1802.2	59.2	0.1	0	1803.2	75.2	0.1	0	1808.4	110.6	0.7	0	23
24	1800.5	61.4	0.1	0	1802.2	59.2	0.1	0	1803.2	75.2	0.1	0	1808.5	111.5	0.7	0	24
25	1800.5	61.4	0.1	0	1802.2	59.2	0.1	0	1803.2	75.2	0.1	0	1808.5	111.5	0.6	0	25
26	1800.9	61.9	0.1	0	1802.3	59.8	0.1	0	1803.2	75.2	0.1	0	1808.9	114.5	0.6	0	26
27	1800.9	61.9	0.1	0	1802.3	59.8	0.1	0	1803.2	75.2	0.1	0	1809.0	115.2	0.6	0	27
28	1801.0	62.4	0.1	0	1802.3	59.8	0.1	0	18								

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Daily Gage Height in feet and Operation Record of PACOIMA Dam												DAM OPERATION RECORD LOS ANGELES COUNTY FLOOD CONTROL DISTRICT HYDRAULIC DIVISION					
In Pacoima Canyon for the Year Ending September 30, 1955												Continuous Water Stage Recorder AU					
Drainage Area 28.2 Square Miles Capacity of Reservoir 4786.6 Ac. Ft. at Spillway Elev. 1950.0 Ft. as of October 1954 Survey Gage Heights read daily																	
Day	February				March				April				May				Day
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1807.8	121.3	0.5	0	1820.9	222.7	5.4	0	1833.9	322.1	1.2	0	1822.2	237.2	18.0	9.1	1
2	1809.9	122.0	0.5	0	1822.0	234.9	5.2	0	1834.0	323.6	1.1	0	1822.4	239.5	12.0	10.8	2
3	1810.0	122.8	0.5	0	1822.8	244.0	4.5	0	1834.2	326.7	1.0	0	1821.4	228.2	7.4	9.3	3
4	1810.1	123.6	0.4	0	1823.6	253.3	4.7	0	1834.3	328.2	1.0	0	1821.9	233.8	7.3	9.4	4
5	1810.2	124.4	0.4	0	1824.3	261.6	4.2	0	1834.4	329.7	1.0	0	1821.5	229.3	7.3	8.5	5
6	1810.3	125.2	0.4	0	1824.9	268.3	3.4	0	1834.5	401.3	1.0	0	1821.1	224.9	5.7	7.9	6
7	1810.5	126.8	0.4	0	1825.4	275.1	3.4	0	1834.7	404.3	1.0	0	1821.5	229.3	9.6	7.4	7
8	1810.6	127.5	0.4	0	1826.0	282.5	3.4	0	1834.8	405.8	0.9	0	1821.5	229.3	7.3	7.3	8
9	1810.6	127.5	0.4	0	1826.5	288.2	3.4	0	1834.9	407.4	0.8	0	1821.3	227.1	6.1	7.2	9
10	1810.7	128.3	0.4	0	1827.0	293.5	3.4	0	1835.0	408.9	0.8	0	1821.0	223.8	5.0	6.6	10
11	1810.8	129.1	0.4	0	1827.6	303.1	3.4	0	1835.0	409.9	0.7	0	1820.6	219.5	4.4	6.6	11
12	1810.9	129.9	0.4	0	1828.2	311.0	3.4	0	1835.1	410.5	0.6	0	1820.2	215.2	4.2	6.4	12
13	1811.0	130.7	0.4	0	1828.7	317.7	3.4	0	1835.2	412.0	0.5	0	1820.2	215.2	3.4	6.4	13
14	1811.1	131.5	0.4	0	1829.1	323.1	3.3	0	1835.3	413.6	0.5	0	1820.9	222.7	3.1	6.2	14
15	1811.2	132.3	0.4	0	1829.5	328.6	3.3	0	1835.3	413.6	0.5	0	1821.4	228.2	3.1	6.2	15
16	1811.4	133.9	0.6	0	1829.9	334.0	2.6	0	1835.4	415.2	0.6	0	1821.9	233.8	3.1	6.2	16
17	1812.1	139.6	2.9	0	1830.3	339.2	2.5	0	1835.5	416.8	0.6	0	1822.3	238.2	3.1	6.2	17
18	1812.9	146.8	3.4	0	1830.6	343.8	2.5	0	1835.5	419.3	0.5	0	1822.7	242.9	2.1	6.2	18
19	1813.6	152.4	3.0	0	1831.0	349.4	2.5	0	1835.6	418.3	0.6	0	1823.0	246.3	2.1	6.2	19
20	1814.2	157.6	2.7	0	1831.3	354.7	2.5	0	1835.7	417.9	0.6	0	1823.3	249.8	2.1	6.2	20
21	1814.7	162.0	2.2	0	1831.5	359.6	2.0	0	1834.0	333.6	2.2	15.4	1823.6	253.3	2.1	6.1	21
22	1815.2	166.4	2.2	0	1831.6	364.5	1.9	0	1835.1	330.0	1.6	8.7	1824.4	259.0	2.1	6.1	22
23	1815.7	170.9	2.3	0	1832.1	369.3	1.9	0	1835.1	325.5	1.0	8.6	1824.3	251.6	2.1	6.1	23
24	1816.2	175.5	2.3	0	1832.3	374.2	1.9	0	1835.0	346.6	0.8	10.4	1824.7	265.5	2.1	6.1	24
25	1816.6	179.2	1.8	0	1832.5	379.2	1.9	0	1835.0	321.7	0.6	12.8	1825.0	270.1	2.1	6.1	25
26	1817.0	183.0	2.0	0	1832.6	384.1	1.6	0	1827.5	301.8	2.0	12.0	1825.3	273.8	2.1	6.1	26
27	1817.8	192.7	4.9	0	1833.3	373.8	1.6	0	1835.8	280.0	0.8	11.8	1825.6	277.5	2.1	6.1	27
28	1817.7	210.0	8.7	0	1833.2	381.1	1.3	0	1827.9	256.5	0.7	12.4	1825.8	280.0	1.5	6.1	28
29					1833.4	383.4	1.3	0	1821.5	230.5	1.0	14.3	1826.0	282.5	1.5	6.1	29
30					1833.5	383.3	1.3	0	1820.6	219.5	3.4	13.9	1826.2	285.1	1.4	6.1	30
31					1833.7	389.1	1.2	0					1826.5	288.9	1.4	6.1	31
TOTAL			45.5	0			90.3	0			34.8	120.3			136.9	101.9	
Inf. Ac. Ft.		90.2				179.1				59.0					271.5	676.1	
Max. Daily Inflow							5.4	0			238.6				202.1	440.7	
Minimum		9.7					1.2			8.4					13.0	18.0	
Mean Daily Inflow		0.4								0.5					1.4	0.1	
Storage Change		+90.2				+179.1				-159.6				+69.4		+235.5	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1835.7	feet	on	4-21-55	Storage	420.	Acres Feet		RECORDS COLLECTED BY		COMPUTATIONS	ckd	Date
Min. W. S. Elev.	1796.8	feet	on	9-10-55	Storage	51.5	Acres Feet		E. K. BARR	Dam Tender	Gage Hts. copied	JHL	HRW
Max. Peak Inf.	25.1	C.F.S. from	11:00 PM	on	4-30-55	to	MIDNITE	on	S. E. BLAKELY	Hydrographer	Storage applied	JHL	HRW
Max. Peak Outf.	39.4	C.F.S. from	12:00 NOON	on	4-21-55	to	12:50 PM	on		Hydrographer	Inf. & Outf. comp.	JHL	HRW

REMARKS: INDICATES AVERAGE FOR PERIOD

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Daily Gage Height in feet and Operation Record of PACOIMA Dam												DAM OPERATION RECORD LOS ANGELES COUNTY FLOOD CONTROL DISTRICT HYDRAULIC DIVISION					
In Pacoima Canyon for the Year Ending September 30, 1955												Continuous Water Stage Recorder AU					
Drainage Area 28.2 Square Miles Capacity of Reservoir 4786.6 Ac. Ft. at Spillway Elev. 1950.0 Ft. as of October 1954 Survey Gage Heights read daily																	
Day	June				July				August				September				Day
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1826.7	291.5	1.1	0	1829.3	325.8	0.3	0	1830.2	338.2	0.1	0	1815.2	166.4	0.2	8.6	1
2	1826.9	294.0	1.1	0	1829.3	325.8	0.3	0	1830.2	338.2	0.1	0	1813.3	149.8	0.2	8.4	2
3	1827.0	295.3	1.0	0	1829.4	327.2	0.3	0	1830.2	338.2	0.1	0	1811.3	133.1	0.2	8.4	3
4	1827.2	297.9	1.0	0	1829.4	327.2	0.3	0	1830.3	339.6	0.1	0	1809.1	116.0	0.2	8.4	4
5	1827.3	299.2	1.0	0	1829.5	328.6	0.3	0	1830.3	339.6	0.1	0	1806.7	98.5	0.2	8.6	5
6	1827.4	300.5	0.7	0	1829.5	328.6	0.3	0	1830.3	339.6	0.1	0	1804.4	82.8	0.2	8.3	6
7	1827.5	301.8	0.7	0	1829.5	328.6	0.3	0	1830.3	339.6	0.1	0	1801.2	63.5	0.2	6.8	7
8	1827.6	303.1	0.7	0	1829.5	328.6	0.3	0	1830.4	341.0	0.1	0	1800.7	60.8	0.2	9.6	8
9	1827.7	304.4	0.7	0	1829.5	328.6	0.3	0	1830.4	341.0	0.1	0	1799.3	52.0	0.2	11.8	9
10	1827.8	305.7	0.7	0	1829.6	329.9	0.3	0	1830.4	341.0	0.1	0	1798.9	52.0	0.2	11.2	10
11	1827.9	307.0	0.7	0	1829.7	331.3	0.3	0	1830.4	341.0	0.1	0	1799.1	52.0	0.2	11.2	11
12	1828.0	308.3	0.6	0	1829.7	331.3	0.3	0	1830.4	341.0	0.1	0	1799.2	53.4	0.2	11.2	12
13	1828.1	309.6	0.6	0	1829.7	331.3	0.3	0	1830.4	341.0	0.1	0	1799.3	53.8	0.3	11.2	13
14	1828.2	311.0	0.6	0	1829.8	332.7	0.3	0	1830.4	341.0	0.1	0	1799.4	54.3	0.3	11.2	14
15	1828.3	312.3	0.6	0	1829.8	332.7	0.3	0	1830.5	342.4	0.1	0	1799.5	54.8	0.3	11.2	15
16	1828.4	313.7	0.6	0	1829.9	334.0	0.2	0	1830.5	342.4	0.1	0	1799.6	55.3	0.3	11.2	16
17	1828.5	315.0	0.6	0	1829.9	334.0	0.2	0	1830.5	342.4	0.1	0	1799.7	55.8	0.3	11.2	17
18	1828.6	316.3	0.5	0	1829.9	334.0	0.2	0	1830.5	342.4	0.1	0	1799.9	56.7	0.3	11.2	18
19	1828.7	317.7	0.5	0	1830.0	335.4	0.2	0	1830.5	342.4	0.1	0	1800.0	57.2	0.3	11.2	19
20	1828.7	317.7	0.5	0	1830.0	335.4	0.2	0	1830.5	342.4	0.1	0	1800.0	57.7	0.3	11.2	20
21	1828.7	317.7	0.4	0	1830.0	335.4	0.2	0	1830.5	342.4	0.05	0	1800.0	57.7	0.3	11.2	21
22	1828.8	319.0	0.4	0	1830.0	335.4	0.2	0	1830.5	342.4	0.05	0	1800.0	57.7	0.3	11.2	22
23	1828.8	319.0	0.4	0	1830.1	336.8	0.2	0	1830.5	342.4	0.05	0	1800.0	57.7	0.3	11.2	23
24	1828.9	320.4	0.4	0	1830.1	336.8	0.2	0	1828.7	317.7	0.1	12.5	1800.8	60.3	0.3	11.2	24
25	1828.9	320.4	0.3	0	1830.2	338.2	0.1	0	1828.7	317.7	0.1	9.5	1800.7	60.8	0.3	11.2	25
26	1829.0	321.7	0.3	0	1830.2	338.2	0.1	0	1825.4	275.1	0.1	12.2	1800.9	61.9	0.3	11.2	26
27	1829.0	321.7	0.3	0	1830.2	338.2	0.1	0	1823.9	256.8	0.1	9.3	1801.0	62.4	0.3	11.2	27
28	1829.1	323.1	0.3	0	1830.2	338.2	0.1	0	1822.4	239.5	0.1	8.9	1801.1	63.0	0.4	11.2	28
29	1829.1	323.1	0.3	0	1830.2	338.2	0.1	0	1820.6	219.5	0.1	10.1	1801.2	63.5	0.4	11.2	29
30	1829.2	324.4	0.3	0	1830.2	338.2	0.1	0	1818.8	200.7	0.1	9.6	1801.3	64.1	0.4	11.2	30
31					1830.2	338.2	0.1	0	1817.0	183.0	0.1	9.0					31

BIG TUJUNGA

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DAM OPERATION RECORD																	
LOS ANGELES COUNTY																	
FLOOD CONTROL DISTRICT																	
HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of <u>BIG TUJUNGA</u> Dam																	
In <u>Big Tujunga Canyon</u> for the Year Ending September 30, 19 <u>54</u>																	
Drainage Area <u>82.3</u> Square Miles. Capacity of Reservoir <u>4099.2</u> Ac. Ft. at Spillway Elev. <u>2290.0</u> Ft. as of <u>October</u> , 19 <u>53</u> Survey <u>Gage Heights</u> Read <u>daily</u>																	
Day	October				November				December				January				Day
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	0		1.5	1.5	2157.9	17.1	0.5	0.1	2167.8	51.5	1.7	0.5	2181.7	146.8	1.8	0.2	1
2	0		1.4	1.4	2158.2	17.8	0.5	0.1	2168.3	53.9	1.7	0.5	2182.1	150.4	1.8	0.2	2
3	0		1.4	1.4	2158.4	19.3	0.5	0.1	2168.8	56.4	1.7	0.5	2182.5	154.2	1.7	0.2	3
4	0		1.3	1.3	2158.7	19.1	0.4	0.1	2169.4	59.5	2.1	0.5	2182.8	156.9	1.8	0.2	4
5	0		1.3	1.3	2158.9	19.6	0.4	0.2	2169.9	62.2	2.0	0.5	2183.1	159.7	1.8	0.2	5
6	0		1.2	1.1	2159.1	20.2	0.4	0.2	2170.4	64.9	1.9	0.5	2183.4	162.6	1.8	0.3	6
7	0		1.2	1.1	2159.3	20.7	0.4	0.2	2170.9	67.7	1.9	0.5	2183.7	165.4	1.9	0.4	7
8	0		1.2	1.1	2159.5	21.3	0.4	0.2	2171.4	70.7	1.9	0.5	2184.0	168.3	1.9	0.5	8
9	0		1.2	1.2	2159.7	21.9	0.4	0.1	2171.9	73.6	1.9	0.5	2184.4	171.2	1.9	0.5	9
10	0		1.2	1.2	2159.9	22.4	0.4	0.1	2172.4	76.6	1.9	0.4	2184.9	174.1	2.0	0.5	10
11	0		1.2	1.2	2160.0	22.7	0.4	0.1	2172.9	79.7	1.9	0.4	2185.4	177.0	2.0	0.5	11
12	0		1.3	1.3	2160.1	23.0	0.4	0.1	2173.4	82.9	1.9	0.4	2185.9	180.0	2.0	0.5	12
13	0		1.3	1.3	2160.3	23.6	0.4	0.1	2173.8	85.4	1.9	0.4	2186.5	183.0	2.0	0.5	13
14	0		1.3	1.1	2160.7	24.8	0.5	0.2	2174.3	88.7	1.9	0.4	2187.1	186.0	2.0	0.4	14
15	0		1.3	1.1	2160.9	25.4	0.5	0.2	2174.7	91.4	2.0	0.4	2187.6	189.0	2.0	0.4	15
16	2151.2	4.6	1.0	0.3	2161.2	26.3	0.6	0.3	2175.2	94.8	2.0	0.4	2188.1	192.0	2.0	0.4	16
17	2151.9	5.7	1.0	0.3	2161.4	27.0	0.6	0.3	2175.6	97.6	2.0	0.4	2188.7	195.0	2.0	0.4	17
18	2152.5	6.6	1.0	0.3	2161.6	28.3	0.6	0.3	2176.0	100.4	2.0	0.4	2189.3	198.0	2.0	0.4	18
19	2153.0	7.3	1.0	0.3	2161.8	29.6	0.6	0.3	2176.5	104.1	2.0	0.4	2189.9	201.0	2.0	0.4	19
20	2153.5	8.1	1.0	0.3	2162.2	31.3	0.6	0.3	2177.0	107.1	2.0	0.4	2190.5	204.0	2.0	0.4	20
21	2154.0	9.9	0.6	0.1	2163.2	33.0	1.1	0.4	2177.8	110.9	2.0	0.4	2191.1	207.0	2.0	0.4	21
22	2154.4	10.3	0.6	0.1	2163.4	35.8	1.4	0.4	2178.1	116.3	2.0	0.4	2191.5	210.0	2.0	0.4	22
23	2154.8	11.1	0.6	0.1	2164.0	37.7	1.4	0.4	2178.3	120.3	2.0	0.4	2191.9	213.0	2.0	0.4	23
24	2155.2	11.9	0.5	0.1	2164.9	39.2	1.4	0.5	2179.0	123.5	2.0	0.4	2192.1	216.0	2.0	0.4	24
25	2155.6	12.7	0.5	0.1	2165.4	41.2	1.4	0.5	2179.4	126.9	2.0	0.3	2192.2	219.0	2.0	0.4	25
26	2156.0	13.4	0.5	0.2	2165.8	42.7	1.4	0.5	2179.8	130.2	2.0	0.3	2192.5	222.0	2.0	0.4	26
27	2156.3	14.2	0.5	0.2	2166.5	44.4	1.4	0.4	2180.0	133.6	2.0	0.3	2192.8	225.0	2.0	0.4	27
28	2156.7	15.1	0.5	0.2	2166.8	46.9	1.5	0.4	2180.6	137.1	2.0	0.3	2193.1	228.0	2.0	0.4	28
29	2157.1	15.9	0.5	0.2	2167.3	49.2	1.5	0.4	2181.0	140.5	2.0	0.3	2193.4	231.0	2.0	0.4	29
30	2157.3	15.3	0.5	0.2	2167.3	49.2	1.5	0.4	2181.0	140.5	2.0	0.3	2193.4	231.0	2.0	0.4	30
31	2157.6	15.3	0.5	0.2	2167.3	49.2	1.5	0.4	2181.4	144.1	2.0	0.3	2193.5	234.0	2.0	0.4	31
TOTAL			29.4	21.2			24.5	7.9			60.3	12.5			513.6	221.1	
Inf. Ac. Ft.			59.3				43.6				119.6				1019.7	1245.2	
Outf. Ac. Ft.				43.0				15.7							377.4	659.9	
Maximum			1.5				1.5				2.1			21.1	1.8	2.1	
Mean Daily Inflow			0.5				0.4				1.7			1.7	0.4	0.4	
Minimum																	
Mean Daily Outflow																	
Storage Change	+15.3				+32.9				+94.9				+44.3			+515.4	
Max. W. S. Elev.	2269.45	feet	on	5-1-54	Storage	2686.0	Acres Feet										
Min. W. S. Elev.	2142.5	feet	on	10-1-54	Storage	0	Acres Feet										
Max. Peak Inflow	500	C.F.S. from	4:00 AM	on	1-25-54	to	5:00 AM	on	1-25-54								
Max. Peak Outflow	158	C.F.S. from	9:30 AM	on	3-1-54	to	10:30 AM	on	3-1-54								
REMARKS	INDICATES AVERAGE FOR PERIOD OR PRORATED DAILY AMOUNTS																
	OUTFLOW FROM STATION F168-R MINUS ACCRETION BELOW DAM DURING STORM PERIODS																
	* DECREASE IN INFLOW DUE TO BANK STORAGE																

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DAM OPERATION RECORD																	
LOS ANGELES COUNTY																	
FLOOD CONTROL DISTRICT																	
HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of <u>BIG TUJUNGA</u> Dam																	
In <u>Big Tujunga Canyon</u> for the Year Ending September 30, 19 <u>54</u>																	
Drainage Area <u>82.3</u> Square Miles. Capacity of Reservoir <u>4099.2</u> Ac. Ft. at Spillway Elev. <u>2290.0</u> Ft. as of <u>October</u> , 19 <u>53</u> Survey <u>Gage Heights</u> Read <u>daily</u>																	
Day	February				March				April				May				Day
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	2215.5	602.1	9.6	0.4	2221.9	740.4	8.7	1.8	2235.7	1334.6	49.1	0.4	2269.4	2633.0	9.0	9.7	1
2	2216.5	617.2	7.9	0.4	2221.3	734.2	3.7	10.4	2235.2	2360.9	39.9	0.4	2269.4	2633.0	9.9	9.7	2
3	2217.1	637.0	7.1	0.4	2221.4	760.5	3.7	0.4	2235.5	2138.3	34.4	0.4	2269.4	2633.0	9.9	9.4	3
4	2217.7	643.3	7.0	0.4	2221.5	755.4	3.7	0.4	2235.8	2198.7	34.9	0.4	2269.9	2677.0	9.9	9.4	4
5	2218.2	654.4	5.0	0.4	2221.5	762.1	9.6	0.3	2235.9	2235.6	30.1	0.4	2269.3	2677.0	9.9	9.4	5
6	2219.8	663.0	5.0	0.2	2221.6	617.0	7.4	0.2	2236.2	2307.9	27.6	0.4	2269.2	2670.9	7.2	9.4	6
7	2219.2	677.1	5.1	0.2	2221.7	630.0	7.4	0.3	2236.3	2325.5	25.4	0.4	2269.1	2664.9	7.2	9.4	7
8	2217.7	646.6	5.1	0.3	2221.7	643.3	7.4	0.3	2236.4	2404.1	22.6	0.4	2269.0	2658.9	7.2	9.7	8
9	2220.2	700.2	5.1	0.3	2221.8	639.9	7.4	0.3	2236.5	2443.5	20.3	0.4	2269.0	2658.9	7.1	9.7	9
10	2220.7	711.9	5.2	0.3	2221.3	672.5	7.4	0.3	2236.5	2447.7	17.6	0.4	2269.3	2653.0	7.1	9.7	10
11	2221.1	721.3	5.0	0.2	2221.6	695.3	6.7	0.3	2236.5	2312.2	17.8	0.4	2269.3	2647.0	6.3	9.7	11
12	2221.5	730.8	5.1	0.2	2221.9	710.2	6.7	0.3	2236.7	2345.9	17.9	0.4	2269.3	2635.1	6.3	9.9	12
13	2221.6	744.8	7.9	0.4	2222.0	711.9	6.6	0.3	2236.7	2376.1	15.2	0.4	2269.3	2635.1	6.3	9.9	13
14	2222.3	1139.1	7.9	0.4	2222.1	733.7	6.6	0.3	2236.9	2390.5	15.1	0.4	2269.3	2623.3	6.2	9.9	14
15	2223.3	1241.0	10.2	0.4	2222.1	735.6	6.6	0.3	2236.9	2433.2	12.4	0.4	2269.3	2617.7	6.2	9.9	15
16	2224.1	1306.1	33.3	0.4	2223.5	779.5	4.4	0.3	2236.9	2433.0	12.4	0.4	2269.8	2611.4	5.0	9.9	16
17	2224.2	1362.4	29.7	0.4	2223.5	822.4	23.1	0.2	2236.9	2464.9	11.6	5.6	2269.8	2605.4	4.9	9.7	17
18	2224.7	1404.6	21.8	0.4	2223.6	853.1	14.7	0.4	2236.9	2464.9	10.0	4.9	2269.7	2593.0	4.9	9.7	18
19	2224.4	1440.2	19.3	0.4	2223.7	879.5	13.7	0.4	2236.9	2470.9	9.9	9.9	2269.7	2582.0	4.9	9.7	19
20	2224.8	1472.2	16.5	0.4	2223.8	944.6	33.3	0.4	2236.9	2470.9	9.9	8.9	2269.7	2570.2	4.9	9.4	20
21	2224.4	1500.5	14.7	0.4	2223.3	1016.2	36.4	0.4	2236.9	2477.0	10.0	8.9	2269.7	2564.4	4.2	9.4	21
22	2224.6	1525.2	13.0	0.4	2223.5	1113.5	49.5	0.4	2236.9	2477.0	10.0	9.2	2269.7	2551.7	4.2	9.4	22
23	2224.7	1571.1	11.0	0.4	2223.5	1233.4	59.8	0.4	2236.9	2477.0	10.0	9.2	2269.7	2541.1	4.1	9.4	23
24	2224.7	1493.0	1.0	0.4	2223.4	1402.4	40.2	0.4	2236.9	2477.0	10.0	9.2	2269.7	2529.5	4.1	9.4	24
25	2224.1	1439.0	3.9	0.5	2223.4	1477.7	33.9	0.4	2236.9	2477.0	10.0	9.2	2269.6	2517.9	4.1	9.4	25
26	2223.4	1409.9	9.9	3.5	2223.4	1444.1	33.9	0.4	2236.9	2433.0	10.0	9.4	2269.4	2505.4	3.7	9.7	26
27																	

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DAM OPERATION RECORD																	
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of <u>BIG TUJUNGA</u> Dam																	
In <u>Big Tujunga Canyon</u> for the Year Ending September 30, 19 <u>54</u>																	
Continuous Water Stage Recorder <u>AU</u>																	
Drainage Area <u>62.3</u> Square Miles Capacity of Reservoir <u>4099.2</u> Ac. Ft. at Spillway Elev. <u>2290.0</u> Ft. as of <u>October</u> 19 <u>53</u> Survey Gage Height <u>Read daily</u>																	
Day	June				July				August				September				Day
	Gage Height	Ac. Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Ac. Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Ac. Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Ac. Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	2265.0	2437.9	3.6	9.2	2257.5	2025.2	0.9	9.3	2245.8	1529.4	0.3	8.3	2234.0	1065.9	0.7	7.9	
2	2265.0	2425.5	3.5	9.2	2257.1	2004.8	0.9	9.3	2245.5	1517.0	0.3	8.1	2233.6	1054.9	0.7	7.9	
3	2264.6	2415.3	3.5	9.2	2256.6	1989.6	0.8	9.0	2245.1	1500.5	0.3	8.3	2233.1	1039.8	0.7	7.9	
4	2264.4	2404.1	3.5	9.2	2256.5	1974.6	0.8	8.8	2245.7	1484.3	0.3	8.1	2232.6	1025.0	0.7	7.9	
5	2264.4	2392.9	3.5	9.2	2256.6	1959.5	0.8	8.6	2245.3	1468.1	0.3	8.1	2232.2	1013.3	0.7	7.6	
6	2264.1	2376.1	2.3	9.2	2255.9	1944.4	0.1	8.3	2244.9	1452.0	0.3	8.1	2231.7	998.7	0.7	7.6	
7	2263.9	2365.0	2.3	9.2	2255.9	1922.4	0.1	8.3	2244.6	1440.2	0.3	8.1	2231.2	984.3	0.8	7.6	
8	2263.7	2353.9	2.3	8.9	2255.9	1909.6	0.1	8.3	2244.3	1424.3	0.3	8.1	2230.0	970.3	1.4	14.7	
9	2263.7	2337.4	2.3	8.9	2255.4	1894.6	0.1	8.3	2243.6	1408.6	0.4	7.9	2228.5	959.0	1.4	19.9	
10	2263.7	2326.3	2.3	8.9	2254.5	1875.3	0.1	8.7	2243.2	1393.1	0.4	7.6	2226.6	953.6	1.4	19.9	
11	2263.7	2309.0	2.6	8.9	2254.2	1860.7	0.1	8.2	2243.0	1377.6	0.4	7.9	2225.2	942.2	1.4	19.9	
12	2263.7	2292.0	2.6	9.2	2253.9	1846.1	0.1	8.1	2242.6	1362.4	0.4	7.9	2223.3	932.0	1.4	19.9	
13	2263.2	2277.3	2.6	9.2	2253.2	1831.8	0.1	8.1	2242.1	1343.4	0.4	7.9	2221.4	922.5	1.4	26.5	
14	2263.2	2261.0	2.7	9.4	2253.2	1812.7	0.1	8.1	2241.7	1328.4	0.4	7.9	2219.1	914.8	1.4	27.6	
15	2262.2	2245.0	2.7	9.4	2252.9	1798.4	0.1	8.1	2241.3	1313.6	0.4	7.9	2216.8	903.5	1.4	27.6	
16	2261.6	2230.3	2.2	9.7	2252.6	1784.4	0.2	8.1	2240.9	1298.7	0.4	8.1	2214.5	895.5	1.5	27.6	
17	2261.6	2215.6	2.2	9.7	2252.2	1765.7	0.2	8.1	2240.5	1284.2	0.4	8.1	2211.8	885.3	1.5	27.7	
18	2261.6	2200.8	2.2	9.7	2251.6	1751.8	0.2	8.1	2240.1	1269.7	0.4	8.1	2209.0	870.0	1.5	27.1	
19	2261.1	2186.7	2.2	9.4	2251.1	1733.9	0.2	8.1	2239.7	1255.2	0.4	8.1	2205.9	854.0	1.5	28.5	
20	2260.5	2172.7	2.2	9.4	2251.1	1719.9	0.2	8.1	2239.3	1241.0	0.4	8.1	2202.8	839.1	1.5	28.5	
21	2260.5	2158.0	2.2	9.2	2250.5	1701.9	0.2	8.1	2238.9	1226.8	0.6	8.1	2199.6	824.5	1.5	28.5	
22	2260.5	2143.5	2.2	9.2	2250.0	1688.4	0.2	8.1	2238.5	1213.0	0.6	8.1	2196.2	810.3	1.4	28.5	
23	2260.5	2129.1	2.2	9.2	2249.4	1670.6	0.2	8.1	2238.0	1195.7	0.6	7.9	2193.3	797.6	1.4	20.1	
24	2260.5	2114.7	2.1	9.2	2248.9	1657.3	0.2	8.1	2237.6	1182.2	0.6	7.9	2190.8	785.2	1.4	16.3	
25	2260.5	2099.8	2.1	9.2	2248.4	1639.8	0.2	8.1	2237.2	1168.7	0.7	7.9	2188.3	772.0	1.4	15.9	
26	2259.0	2085.2	1.4	9.0	2247.9	1626.7	0.2	8.3	2236.7	1152.2	0.7	7.9	2185.8	760.0	1.2	14.0	
27	2258.3	2070.7	1.4	9.0	2247.7	1609.5	0.2	8.3	2236.3	1139.1	0.7	7.9	2183.4	746.6	1.2	13.6	
28	2258.3	2056.1	1.4	9.3	2247.3	1592.3	0.2	8.3	2235.9	1126.0	0.7	7.9	2181.2	732.3	1.2	12.2	
29	2258.3	2041.5	1.3	9.3	2246.8	1579.5	0.2	8.3	2235.5	1113.0	0.7	7.9	2178.9	718.7	1.2	10.4	
30	2257.5	2027.0	1.3	9.3	2246.7	1562.7	0.2	8.3	2235.1	1100.4	0.7	7.9	2175.8	705.0	1.2	10.7	
31	2257.5	2012.4	1.3	9.3	2246.7	1546.0	0.2	8.3	2234.5	1083.3	0.7	7.9	2175.8	699.0	1.2	10.7	
TOTAL		70.9	277.0			8.5	237.8			14.5	249.3			36.8	532.5		538.9
Infl. Ac. Ft.		140.6				16.9				29.8				73.0			573.0
Outfl. Ac. Ft.			54.9												49.2		529.9
Maximum Daily Inflow			3.6			0.9	511.3			0.7	492.5			1.0	526.2		211.8
Minimum Daily Inflow			1.2			0.1				0.3				0.7			0.1
Storage Change		-408.6				-494.4				-463.7				-983.3			-197.0

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	2269.45	feet	on	5-1-54	Storage	2686.0	Ac. Feet		
Min. W. S. Elev.	2142.5	feet	on	10-15-54	Storage	0	Ac. Feet		
Max. Peak Inf.	500	C.F.S. from	4:00 AM	on	1-25-54	to	5:00 AM	on	1-25-54
Max. Peak Outfl.	158	C.F.S. from	9:30 AM	on	3-1-54	to	10:30 AM	on	3-1-54

REMARKS: INDICATES AVERAGE FOR PERIOD OR PROPORTED DAILY AMOUNTS

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DAM OPERATION RECORD																	
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of <u>BIG TUJUNGA</u> Dam																	
In <u>Big Tujunga Canyon</u> for the Year Ending September 30, 19 <u>55</u>																	
Continuous Water Stage Recorder <u>AU</u>																	
Drainage Area <u>62.3</u> Square Miles Capacity of Reservoir <u>4099.2</u> Ac. Ft. at Spillway Elev. <u>2290.0</u> Ft. as of <u>October</u> 19 <u>53</u> Survey Gage Height <u>read daily</u>																	
Day	October				November				December				January				Day
	Gage Height	Ac. Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Ac. Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Ac. Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Ac. Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	2171.9	73.6	1.4	13.2	2144.4	0.3	1.0	0.6	2167.8	31.8	1.7	0.5	2137.7	205.6	4.3	0.6	
2	2155.1	57.9	1.4	9.2	2147.1	1.2	1.0	0.6	2163.4	54.4	1.9	0.5	2133.4	213.1	4.4	0.6	
3	2154.7	38.5	1.4	10.4	2149.7	3.2	1.0	0.6	2159.2	94.4	3.6	0.5	2137.1	220.6	4.3	0.6	
4	2154.6	19.9	1.4	11.0	2149.7	7.2	1.0	0.6	2171.1	133.9	4.7	0.5	2137.6	226.0	3.4	0.6	
5	2154.6	1.8	1.4	5.5	2140.6	4.1	1.0	0.6	2171.9	73.6	2.9	0.5	2137.0	230.4	2.8	0.6	
6	2157.1	15.1	0.9	0.2	2131.6	5.3	1.0	0.6	2172.7	78.5	3.0	0.5	2130.9	240.3	5.6	0.6	
7	2157.7	15.1	0.7	0.2	2132.6	6.7	1.0	0.6	2173.9	122.9	3.2	0.5	2131.5	247.0	4.0	0.6	
8	2157.7	16.6	0.5	0.2	2133.7	9.4	1.0	0.6	2173.9	166.1	2.5	0.5	2132.1	253.8	4.0	0.6	
9	2157.9	17.1	0.4	0.3	2134.7	13.1	1.0	0.6	2174.4	202.1	3.5	0.5	2132.8	261.8	4.6	0.6	
10	2158.0	17.3	0.4	0.3	2135.4	11.5	1.1	0.6	2175.4	103.4	5.2	0.5	2134.6	268.8	11.2	0.6	
11	2158.0	17.3	0.4	0.4	2135.2	13.1	1.1	0.6	2177.2	110.9	4.3	0.5	2135.7	276.1	7.3	0.6	
12	2158.0	17.3	0.4	0.3	2135.6	14.5	1.0	0.6	2179.0	117.9	3.4	0.5	2136.5	283.0	5.6	0.6	
13	2158.4	17.3	0.4	0.2	2137.2	15.6	1.0	0.6	2179.6	123.5	3.0	0.5	2137.3	285.1	5.1	0.6	
14	2158.5	17.3	0.4	0.2	2137.7	16.6	1.0	0.6	2179.6	129.1	3.0	0.5	2138.0	285.1	5.1	0.6	
15	2158.5	17.3	0.4	0.2	2137.7	16.6	1.0	0.6	2180.2	134.5	2.8	0.5	2138.5	281.7	4.0	0.6	
16	2158.9	17.3	0.4	0.1	2139.4	13.7	1.0	0.3	2180.9	144.6	2.8	0.5	2139.7	287.7	3.6	0.6	
17	2158.9	17.3	0.4	0.1	2139.5	11.7	1.0	0.3	2181.3	148.7	2.8	0.5	2200.7	291.2	7.4	0.6	
18	2157.4	17.3	0.4	0.1	2140.0	12.7	1.0	0.3	2181.3	147.7	2.8	0.5	2204.1	408.3	24.4	0.6	
19	2157.9	17.3	0.4	0.1	2140.0	14.5	1.0	0.4	2181.3	152.3	2.8	0.5	2206.1	435.8	14.9	0.6	
20	2158.1	17.3	0.4	0.3	2141.0	16.6	1.0	0.4	2182.7	155.0	2.8	0.5	2207.4	455.9	10.3	0.6	
21	2158.2	17.3	0.4	0.5	2141.9	17.6	1.5	0.4	2183.2	159.0	3.1	0.6	2208.4	470.9	9.1	0.6	
22	2158.2	17.3	0.4	0.6	2143.5	19.6	1.5	0.4	2183.2	154.8	3.0	0.6	2209.9	483.1	6.1	0.6	
23	2158.2	17.3	0.4	0.6	2143.1	19.6	1.5	0.4	2183.4	149.1	3.0	0.6	2209.9	494.0	4.1	0.6	
24	2158.2	17.3	0.4	0.7	2143.8	19.6	1.5	0.4	2183.4	143.4	3.0	0.6	2210.5	507.7	5.5	0.6	
25	2158.2	17.3	0.4	0.7	2144.4	19.6	1.5	0.4	2183.4	137.7	3.0	0.6	2211.2	515.2	6.4	0.6	
26	2149.9	0.4	1.4	4.6	2135.6	31.6	1.7	0.6	2183.7	131.0	2.4	0.6	2211.7	523.6	4.8	0.6	
27	2143.2	0.0	1.3	1.7	2135.6	31.6	1.7	0.6	2183.7	134.6	2.4	0.6	2212.3	534.1	5.9	0.6	
28	2143.2	0.0	1.3	1.7	2135.6	31.6	1.7	0.6	2183.7	137.0	2.4	0.6	2212.9	544.8	6.0	0.6	
29	2143.2	0.0	1.1	1.7	2135.6	31.6	1.7	0.6	2183.7	137.1	2.4	0.6	2213.5	555.0	4.2	0.6	
30	2143.2	0.0	1.1	1.7	2135.6	31.6	1.7	0.6	2183.7	135.2	2.2	0.6	2214.1	567.5	4.7	0.6	
31	2143.2	0.0	1.1	1.7	2135.6	31.6	1.7	0.6	2183.7	134.5	2.2	0.6	2214.9	583.4	4.4	0.6	
TOTAL		2															

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DAM OPERATION RECORD																	
LOS ANGELES COUNTY																	
FLOOD CONTROL DISTRICT																	
HYDRAULIC DIVISION																	
Daily Gage Height In feet and Operation Record of <u>BIG TUJUNGA</u> Dam										Continuous Water Stage Recorder <u>AU</u>							
In <u>Big Tujunga Canyon</u> for the Year Ending September 30, 19 <u>55</u>										Gage Heights <u>read daily</u>							
Drainage Area <u>82.3</u> Square Miles Capacity of Reservoir <u>4039.2</u> Ac. Ft. at Spillway Elev. <u>2230.0</u> Ft. as of <u>October</u> , 19 <u>53</u> Survey																	
Day	February				March				April				May				Day
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	215.6	597.9	7.9	0.6	223.2	1010.2	9.3	0.6	222.4	1412.5	3.9	0.6	225.0	1684.0	2.9	0.6	1
2	216.6	612.7	8.1	0.6	223.2	1025.0	9.0	0.6	222.4	1440.4	3.8	0.6	225.1	1715.4	1.6	0.6	2
3	215.6	623.5	6.6	0.6	223.3	1033.8	8.1	0.6	222.4	1428.3	3.8	0.6	225.1	1742.7	1.4	0.6	3
4	217.4	634.7	7.2	0.6	223.3	1047.9	9.7	0.6	222.4	1432.2	3.8	0.6	225.2	1775.1	1.5	0.6	4
5	217.9	643.7	6.2	0.6	223.4	1073.1	8.3	0.6	222.4	1440.2	3.8	0.6	225.3	1803.1	1.4	0.6	5
6	218.4	652.8	6.3	0.6	223.4	1095.4	6.8	0.6	222.4	1443.1	3.8	0.6	225.3	1837.0	1.2	0.6	6
7	219.8	658.0	5.1	0.6	223.5	1103.7	6.8	0.6	222.4	1442.0	3.8	0.6	225.4	1855.8	1.5	0.6	7
8	219.3	679.4	6.3	0.6	223.5	1107.2	5.4	0.6	222.4	1450.0	3.8	0.6	225.4	1880.2	1.2	0.6	8
9	219.7	686.6	5.7	0.6	223.5	1119.8	6.9	0.6	222.4	1454.1	3.8	0.6	225.5	1892.7	1.0	0.6	9
10	220.2	700.2	5.7	0.6	223.6	1142.6	7.1	0.6	222.4	1472.2	3.8	0.6	225.5	1919.6	1.0	0.6	10
11	220.6	709.5	5.6	0.6	223.7	1155.4	17.1	0.6	222.4	1475.5	3.1	0.6	225.5	1934.5	8.1	0.6	11
12	221.1	721.3	6.5	0.6	223.7	1192.3	14.2	0.6	222.4	1480.2	3.1	0.6	225.5	1944.4	5.6	0.6	12
13	221.5	730.8	5.4	0.6	223.8	1213.0	11.0	0.6	222.4	1484.3	3.0	0.6	225.6	1954.4	5.6	0.6	13
14	222.0	742.8	6.7	0.6	223.9	1230.2	7.3	0.6	222.4	1493.7	3.0	0.6	225.6	1964.4	5.7	0.6	14
15	222.5	752.4	6.7	0.6	223.9	1244.4	7.8	0.6	222.4	1496.4	3.0	0.6	225.6	1974.4	5.7	0.6	15
16	222.8	772.1	9.2	0.6	224.0	1259.9	7.8	0.6	222.4	1500.5	3.1	0.6	225.6	1984.4	4.7	0.6	16
17	223.4	790.5	11.6	0.6	224.0	1273.2	7.9	0.6	222.4	1504.4	3.0	0.6	225.6	1994.4	4.7	0.6	17
18	223.9	804.0	12.5	0.6	224.0	1294.7	5.1	0.6	222.4	1508.3	3.0	0.6	225.7	2004.8	4.7	0.6	18
19	224.6	816.6	12.5	0.6	224.1	1307.4	6.2	0.6	222.4	1517.0	3.0	0.6	225.7	2014.8	4.7	0.6	19
20	225.4	829.5	7.3	0.6	224.1	1320.2	5.2	0.6	222.4	1521.1	3.0	0.6	225.7	2015.0	4.7	0.6	20
21	225.9	842.4	7.3	0.6	224.1	1341.0	5.6	0.6	222.4	1525.2	3.0	0.6	225.7	2015.0	4.7	0.6	21
22	226.3	855.3	6.0	0.6	224.1	1363.4	5.5	0.6	222.4	1529.3	3.0	0.6	225.7	2015.0	4.6	0.6	22
23	226.7	868.2	6.1	0.6	224.1	1385.8	5.5	0.6	222.4	1533.4	2.8	0.6	225.7	2015.0	4.6	0.6	23
24	227.1	881.1	6.1	0.6	224.1	1408.2	5.5	0.6	222.4	1537.5	2.8	0.6	225.7	2015.0	4.6	0.6	24
25	227.5	894.0	6.1	0.6	224.1	1430.6	4.8	0.6	222.4	1541.6	2.8	0.6	225.7	2015.0	4.6	0.6	25
26	227.9	906.9	6.2	0.6	224.2	1453.0	4.8	0.6	222.4	1545.7	2.8	0.6	225.7	2015.0	3.7	0.6	26
27	228.3	919.8	11.9	0.6	224.2	1475.4	4.8	0.6	222.4	1549.8	2.8	0.6	225.7	2015.0	3.6	0.6	27
28	228.7	932.7	13.2	0.6	224.2	1497.8	4.8	0.6	222.4	1553.9	2.8	0.6	225.7	2015.0	3.6	0.6	28
29	229.1	945.6	13.2	0.6	224.2	1520.2	4.8	0.6	222.4	1558.0	2.8	0.6	225.7	2015.0	3.6	0.6	29
30	229.5	958.5	13.2	0.6	224.2	1542.6	4.8	0.6	222.4	1562.1	2.8	0.6	225.7	2015.0	3.7	0.6	30
31	229.9	971.4	13.2	0.6	224.2	1565.0	4.8	0.6	222.4	1566.2	2.8	0.6	225.7	2015.0	4.3	0.6	31
TOTAL		123.3	15.8		223.1	223.1	13.6		223.9	123.0	19.0		252.6	77.2			
Inf. Ac. Ft.		442.9			412.4				223.9				501.0	2371.8			
Outf. Ac. Ft.			33.3				36.9			35.1			153.1	443.7			
Maximum																	
Mean Daily Inflow		19.5			17.1				40.1				29.5				
Minimum		5.0			4.8				2.7				3.3				
Mean Daily Inflow																	
Storage Change		+100.6			+415.6				+131.1				+347.9				+1875.6
REMARKS	INDICATES AVERAGE FOR PERIOD OR PRORATED DAILY AMOUNTS																
Max. W. S. Elev.	2257.4	feet	on	5-21-55	Storage	2020	Acres Feet										
Min. W. S. Elev.	2142.5	feet	on	10-27-54	Storage	0	Acres Feet										
Max. Peak Inf.	52	C.F.S. from	3:00 PM	on	1-18-55	to	4:00 PM	on	1-18-55								
Max. Peak Outf.	16.6	C.F.S. from	9:30 AM	on	10-3-54	to	10:00 AM	on	10-3-54								
REMARKS	INDICATES AVERAGE FOR PERIOD OR PRORATED DAILY AMOUNTS																

74D138N-68B Qb 7-55

DAM OPERATION RECORD																	
LOS ANGELES COUNTY																	
FLOOD CONTROL DISTRICT																	
HYDRAULIC DIVISION																	
Daily Gage Height In feet and Operation Record of <u>BIG TUJUNGA</u> Dam										Continuous Water Stage Recorder <u>AU</u>							
In <u>Big Tujunga Canyon</u> for the Year Ending September 30, 19 <u>55</u>										Gage Heights <u>read daily</u>							
Drainage Area <u>82.3</u> Square Miles Capacity of Reservoir <u>4039.2</u> Ac. Ft. at Spillway Elev. <u>2230.0</u> Ft. as of <u>October</u> , 19 <u>53</u> Survey																	
Day	June				July				August				September				Day
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	225.6	1974.6	3.3	5.6	225.2	1789.1	0.9	4.6	224.6	1496.4	0.7	6.6	223.4	1066.9	0.3	10.7	1
2	225.6	1974.6	3.3	5.6	225.2	1779.8	0.9	4.6	224.5	1430.2	0.7	7.0	223.3	1045.8	0.3	10.7	2
3	225.6	1969.5	3.3	5.6	225.2	1770.4	0.9	4.6	224.5	1468.1	0.7	7.2	223.2	1028.0	0.3	10.4	3
4	225.6	1964.4	3.3	5.6	225.2	1765.7	0.9	4.6	224.5	1460.0	0.7	7.4	223.2	1007.4	0.3	10.4	4
5	225.6	1959.5	3.2	5.6	225.2	1756.4	0.9	4.6	224.4	1448.1	0.7	7.4	223.1	999.1	0.3	10.1	5
6	225.6	1954.4	3.2	4.6	225.1	1747.3	0.9	4.6	224.4	1432.2	0.7	7.4	223.0	970.0	0.4	10.1	6
7	225.6	1949.4	3.2	4.4	225.1	1742.7	0.9	4.6	224.4	1420.4	0.5	7.6	223.0	950.5	0.4	10.1	7
8	225.5	1944.4	3.2	4.4	225.1	1733.6	0.9	4.6	224.3	1408.3	0.5	7.6	222.9	930.8	0.4	9.8	8
9	225.5	1939.5	3.2	4.4	225.1	1724.5	0.8	4.7	224.3	1393.1	0.5	7.9	222.8	909.8	0.6	9.8	9
10	225.5	1934.6	3.2	4.4	225.1	1719.9	0.8	4.7	224.3	1381.5	0.5	8.1	222.7	892.8	0.6	9.8	10
11	225.5	1929.6	3.2	4.4	225.1	1710.8	0.8	4.7	224.2	1370.0	0.5	8.3	222.7	874.2	0.6	9.5	11
12	225.5	1924.7	3.2	4.4	225.0	1701.9	0.8	4.7	224.2	1358.6	0.5	8.1	222.6	855.8	0.7	9.3	12
13	225.5	1919.6	3.2	4.4	225.0	1692.9	0.8	5.1	224.1	1343.4	0.5	7.6	222.5	837.6	0.7	9.3	13
14	225.5	1914.7	2.1	4.4	225.0	1684.0	0.8	6.0	224.1	1332.2	0.5	7.2	222.5	819.7	0.7	9.3	14
15	225.5	1899.7	2.1	4.4	225.0	1675.0	0.8	6.1	224.1	1321.0	0.4	7.0	222.4	802.0	0.7	9.3	15
16	225.4	1894.8	1.5	4.9	224.9	1661.7	0.9	6.1	224.1	1306.1	0.4	6.7	222.3	782.0	0.9	10.9	16
17	225.4	1889.9	1.5	4.9	224.9	1653.0	0.9	6.1	224.0	1295.1	0.4	6.5	222.2	754.9	0.9	13.3	17
18	225.4	1885.1	1.5	4.9	224.9	1639.8	0.9	6.1	224.0	1280.5	0.4	6.3	222.1	728.5	0.9	13.3	18
19	225.4	1880.3	1.5	4.9	224.9	1631.1	0.9	6.1	224.0	1265.9	0.4	6.3	222.0	702.2	0.9	13.6	19
20	225.4	1875.4	1.5	4.9	224.9	1622.3	0.9	6.1	224.0	1255.2	0.4	6.3	222.0	676.0	0.9	14.0	20
21	225.4	1860.7	1.5	4.8	224.8	1609.9	0.8	6.1	223.9	1244.5	0.4	6.3	221.9	647.7	0.9	14.0	21
22	225.4	1855.8	1.4	4.8	224.8	1598.1	0.8	6.1	223.8	1233.8	0.4	6.3	221.8	619.3	1.2	14.0	22
23	225.3	1851.0	1.4	4.8	224.8	1588.1	0.8	6.1	223.8	1221.5	0.4	6.3	221.8	595.9	1.2	14.0	23
24	225.3	1836.6	1.4	4.8	224.8	1579.5	0.8	6.1	223.8	1202.6	0.4	6.6	221.8	571.5	1.2	14.0	24
25	225.3	1831.8	1.4	4.7	224.7	1571.1	0.8	6.1	223.7	1189.0	0.4	7.0	221.7	548.5	1.2	13.6	25
26	225.3	1822.2	0.9	4.7	224.7	1558.6	0.9	6.1	223.7	1172.1	0.2	7.0	221.7	523.3	1.2	13.8	26
27	225.3	1817.4	0.8	4.7	224.7	1546.0	0.9	6.1	223.6	1155.5	0.2	7.0	221.7	503.7			

DEVIL'S GATE

76D138N-68B Q5 7-55

DAM OPERATION RECORD																	
LOS ANGELES COUNTY																	
FLOOD CONTROL DISTRICT																	
HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of <u>DEVIL'S GATE</u> Dam																	
In <u>Arroyo Seco</u> for the Year Ending September 30, 19 <u>54</u>																	
Continuous Water Stage Recorder <u>Au</u>																	
Drainage Area <u>31.9</u> Square Miles. Capacity of Reservoir <u>2636.3</u> Ac. Ft. at Spillway Elev. <u>1034.0</u> Ft. as of <u>July</u> 19 <u>52</u> Survey Gage Heights <u>Read daily</u>																	
Day	October				November				December				January				Day
	Gage Height	Ac. Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Ac. Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Ac. Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Ac. Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	990	0	0	0	990	0	0	0	1005.1	17.2	0	0	1002.0	9.9	0	0	1
2	0	0	0	0	0	0	0	0	1004.9	16.6	0	0	1001.9	9.7	0	0	2
3	0	0	0	0	0	0	0	0	1004.8	16.4	0	0	1001.7	9.3	0	0	3
4	0	0	0	0	0	0	0	0	1005.8	21.9	3.3	0	1001.6	9.1	0	0	4
5	0	0	0	0	991.2	0.1	0.1	0	1005.6	21.3	0	0	1001.4	8.8	0	0	5
6	0	0	0	0	990.9	0.1	0	0	1005.4	20.8	0	0	1001.3	8.6	0	0	6
7	0	0	0	0	990.6	0.1	0	0	1005.2	20.2	0	0	1001.1	8.2	0	0	7
8	0	0	0	0	990.2	0	0	0	1005.0	19.6	0	0	1001.0	8.0	0	0	8
9	0	0	0	0	989.9	0	0	0	1005.9	19.3	0	0	1000.8	7.7	0	0	9
10	0	0	0	0	989.7	0	0	0	1005.7	18.8	0	0	1000.7	7.5	0	0	10
11	0	0	0	0	989.5	0	0	0	1005.3	18.2	0	0	1000.6	7.3	0	0	11
12	0	0	0	0	989.3	0	0	0	1005.3	17.7	0	0	1000.7	7.3	0	0	12
13	0	0	0	0	989.1	0	0	0	1005.1	17.2	0	0	1000.7	7.3	0	0	13
14	0	0	0	0	1009.0	29.5	15.6	0	1005.0	16.9	0	0	1000.7	7.3	0	0	14
15	0	0	0	0	1008.6	28.0	0.3	0	1004.8	16.4	0	0	1000.7	7.3	0	0	15
16	0	0	0	0	1008.2	26.5	0	0	1004.6	15.9	0	0	1000.9	22.2	0	0	16
17	0	0	0	0	1007.9	25.5	0	0	1004.4	15.4	0	0	1000.6	21.9	0	0	17
18	0	0	0	0	1007.6	24.5	0	0	1004.3	15.1	0	0	1000.2	30.3	4.5	0	18
19	0	0	0	0	1007.4	23.8	0	0	1004.1	14.6	0	0	1019.8	164.6	70.2	0	19
20	0	0	0	0	1007.3	23.5	0.3	0	1003.9	14.2	0	0	1019.7	162.5	1.5	0	20
21	0	0	0	0	1007.0	22.5	0	0	1003.8	13.9	0	0	1019.5	157.7	0	0.1	21
22	0	0	0	0	1006.8	21.9	0	0	1003.6	13.4	0	0	1019.3	153.0	0	0	22
23	0	0	0	0	1006.6	21.3	0	0	1003.4	13.0	0	0	1019.1	148.3	0	0.1	23
24	0	0	0	0	1006.4	20.8	0	0	1003.3	12.7	0	0	1018.9	143.6	78.8	0	24
25	0	0	0	0	1006.2	20.2	0	0	1003.1	12.2	0	0	1018.7	138.9	177.7	0	25
26	0	0	0	0	1006.1	19.9	0	0	1003.0	12.0	0	0	1018.5	134.2	20.2	0	26
27	0	0	0	0	1005.9	19.3	0	0	1002.8	11.6	0	0	1018.3	129.5	8.9	0	27
28	0	0	0	0	1005.7	18.8	0	0	1002.6	11.2	0	0	1018.1	124.8	1.8	0	28
29	0	0	0	0	1005.5	18.2	0	0	1002.5	10.9	0	0	1017.9	120.1	0	0.4	29
30	0	0	0	0	1005.3	17.7	0	0	1002.3	10.5	0	0	1017.7	115.4	0	0.4	30
31	0	0	0	0	1005.3	17.7	0	0	1002.2	10.3	0	0	1017.5	110.7	0	0.4	31
TOTAL							16.3				3.3				370.9	144.5	
Inf. Ac. Ft.							33.3				6.5				73.5	774.5	
Outf. Ac. Ft.							0				0				0	120.0	
Maximum							15.6				3.3			206.6	61.4	286.6	177.7
Mean Daily Inflow							15.6				3.3			206.6	61.4	286.6	177.7
Minimum							0				0			0	0	0	0
Mean Daily Inflow							15.6				3.3			206.6	61.4	286.6	177.7
Storage Change							+17.7				-7.4			+357.6	0	0	+367.9

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1030.8	feet	on	2-15-54	Storage	577.9	Ac. Feet										
Min. W. S. Elev.	990.0	feet	on	PART OF YEAR	Storage	0	Ac. Feet										
Max. Peak Inf.	565.	C.F.S. from	1:00 AM	on	1-25-54	to	2:00 AM	on	1-25-54								
Max. Peak Outf.	120.	C.F.S. from	3:30 PM	on	1-25-54	to	4:15 PM	on	1-25-54								

RECORDS COLLECTED BY: K. M. YORK, Dam Tender; F. E. STUNDEN, Hydrographer

COMPUTATIONS: Gage Hts. copied JHL HRW; Storage applied JHL HRW; Inf. & Outf. comp. JHL HRW

REMARKS: ( ) INDICATES PERCOLATION AND EVAPORATION LOSSES.

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DAM OPERATION RECORD																	
LOS ANGELES COUNTY																	
FLOOD CONTROL DISTRICT																	
HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of <u>DEVIL'S GATE</u> Dam																	
In <u>Arroyo Seco</u> for the Year Ending September 30, 19 <u>54</u>																	
Continuous Water Stage Recorder <u>Au</u>																	
Drainage Area <u>31.9</u> Square Miles. Capacity of Reservoir <u>2636.3</u> Ac. Ft. at Spillway Elev. <u>1034.0</u> Ft. as of <u>July</u> 19 <u>52</u> Survey Gage Heights <u>Read daily</u>																	
Day	February				March				April				May				Day
	Gage Height	Ac. Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Ac. Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Ac. Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Ac. Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1025.0	0	0	0.4	1023.1	447.4	0	0.4	1025.2	452.0	0	0.4	1023.4	267.5	0	0.4	1
2	1025.9	359.9	0	0.4	1023.0	442.9	0	0.4	1025.0	442.9	2.0	0.4	1023.3	264.2	0	0.4	2
3	1025.8	356.1	0	0.4	1022.8	434.3	0	0.4	1024.8	434.3	0	0.4	1023.1	259.7	0	0.4	3
4	1025.6	352.4	0	0.4	1022.7	430.1	0	0.4	1024.6	425.8	0	0.4	1022.9	255.1	0	0.4	4
5	1025.4	348.7	0	0.4	1022.5	421.5	0	0.4	1024.5	421.5	0	0.4	1022.8	248.3	0	0.4	5
6	1025.3	345.0	0	0.4	1022.3	412.9	0	0.4	1024.3	412.9	0	0.4	1022.7	243.6	0	0.4	6
7	1025.1	341.3	0	0.4	1022.1	404.4	0	0.4	1024.1	404.4	0	0.4	1022.5	239.1	0	0.4	7
8	1025.0	337.6	0	0.4	1022.0	400.1	0	0.4	1023.9	400.1	0	0.4	1022.4	234.6	0	0.4	8
9	1024.9	333.9	0	0.4	1021.8	392.0	0	0.4	1023.7	392.0	0	0.4	1022.3	230.1	0	0.4	9
10	1024.7	330.2	0	0.4	1021.6	384.0	0	0.4	1023.5	384.0	0	0.4	1022.1	225.6	0	0.3	10
11	1024.6	326.5	0	0.4	1021.4	376.0	0	0.4	1023.3	376.0	0	0.4	1022.0	221.1	0	0.3	11
12	1024.4	322.8	0	0.4	1021.2	367.9	0	0.4	1023.1	367.9	0	0.4	1021.8	216.6	0	0.3	12
13	1024.2	319.1	0	0.4	1021.0	359.9	0	0.4	1022.9	359.9	0	0.4	1021.7	212.1	0	0.3	13
14	1024.0	315.4	0	0.4	1020.8	351.9	0	0.4	1022.7	351.9	0	0.4	1021.5	207.6	0	0.3	14
15	1023.8	311.7	0	0.4	1020.6	343.9	0	0.4	1022.5	343.9	0	0.4	1021.4	203.1	0	0.3	15
16	1023.6	308.0	0	0.4	1020.4	336.0	15.0	0.4	1022.3	336.0	0	0.4	1021.3	198.6	0	0.3	16
17	1023.4	304.3	0	0.4	1020.2	328.0	3.9	0.4	1022.1	328.0	0	0.4	1021.1	194.1	0	0.3	17
18	1023.2	300.6	0	0.4	1020.0	320.0	0	0.4	1021.9	320.0	0	0.4	1021.0	189.6	0	0.3	18
19	1023.0	296.9	0	0.4	1019.8	312.0	0	0.4	1021.7	312.0	0	0.4	1020.8	185.1	0	0.3	19
20	1022.8	293.2	0	0.4	1019.6	304.0	24.6	0.4	1021.5	304.0	0	0.4	1020.7	180.6	0	0.3	20
21	1022.6	289.5	0	0.4	1019.4	296.0	4.3	0.4	1021.3	296.0	0	0.4	1020.5	176.1	0	0.3	21
22	1022.4	285.8	0	0.4	1019.2	288.0	7.7	0.4	1021.1	288.0	0	0.4	1020.4	171.6	0	0.3	22
23	1022.2	282.1	0	0.4	1019.0	280.0	1.2	0.4	1020.9	280.0	0	0.4	1020.3	167.1	0	0.3	23
24	1022.0	278.4	0	0.4	1018.8	272.0	4.6	0.4	1020.7	272.0	0	0.4	1020.2	162.6	0	0.3	24
25	1021.8	274.7	0	0.4	1018.6	264.0	2.2	0.4	1020.5	264.0	0	0.4	1020.0	158.1	0	0.3	25
26	1021.6	271.0	0	0.4	1018.4	256.0	0	0.4	1020.3	256.0	0	0.4	1019.8	153.6	0	0.3	26
27	1021.4	267.3	0	0.4	1018.2	248.0	0	0.4	1020.1	248.0	0	0.4	1019.7	149.1	0	0.3	27
28	1021.2	263.6	0	0.4	1018.0	240.0	0	0.4	1019.9	240.0	0	0.4	1019.5	144.6	0	0.3	28
29	1021.0	259.9	0	0.4	1017.8	232.0	12.1	0.4	1019.7	232.0	0	0.4	1019.4	140.1	0	0.3	29
30	1020.8	256.2	0	0.4	1017.6	224.0	32.6	0.4	1019.5	224.0	0	0.4	1019.3	135.6	0	0.3	30
31	1020.6	252.5	0	0.4	1017.4	216.0	5.4	0.4	1019.3	216.0	0	0.4	1019.2	131.1	0	0.3	31
TOTAL		1479		11.2			127.2	25.9			2.0	12.0			0	10	



DEVIL'S GATE (Cont'd)

74D138N-688 Q-7-55

DAM OPERATION RECORD																	
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of DEVIL'S GATE Dam																	
From Arroyo Seco for the Year Ending September 30, 1954																	
Continuous Water Stage Recorder Au																	
Drainage Area 31.9 Square Miles Capacity of Reservoir 2636.3 Ac. Ft. at Spillway Elev. 1054.0 Ft. as of July 1952 Survey Gage Heights Read daily																	
Day	June				July				August				September				Day
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1019.1	148.3	0	0.2	1015.0	75.7	0	1.4									1
2	1019.0	145.9	0	0.2	1014.6	70.9	0	1.7									2
3	1018.9	143.8	0	0.2	1014.3	67.3	0	1.3									3
4	1018.8	141.7	0	0.2	1013.8	61.7	0	2.2									4
5	1018.7	139.6	0	0.2	1013.4	57.6	0	1.4									5
6	1018.5	135.3	0	0.2	1012.9	52.8	0	2.0									6
7	1018.4	133.2	0	0.2	1012.4	48.7	0	1.5									7
8	1018.3	131.1	0	0.2	1011.9	44.7	0	1.5									8
9	1018.1	126.9	0	0.2	1011.3	40.8	0	1.6									9
10	1018.0	124.8	0	0.2	1010.7	37.3	0	1.4									10
11	1017.9	122.9	0	0.2	1010.1	34.2	0	1.2									11
12	1017.7	119.2	0	0.2	1009.4	31.2	0	1.3									12
13	1017.6	117.3	0	0.2	1009.5	27.6	0	1.3									13
14	1017.5	115.4	0	0.2	1007.6	24.5	0	1.3									14
15	1017.4	113.6	0	0.2	1005.7	21.6	0	1.3									15
16	1017.3	111.7	0	0.2	1005.5	18.2	0	1.5									16
17	1017.2	109.8	0	0.2	1003.7	13.7	0	2.2									17
18	1017.1	108.0	0	0.2	1000.3	6.8	0	3.4									18
19	1016.9	104.5	0	0.2	994.8	1.2	0	6.8									19
20	1016.8	102.8	0	0.2	0	0	0	6.8									20
21	1016.7	101.2	0	0.2	0	0	0	0									21
22	1016.5	99.6	0	0.2	0	0	0	0									22
23	1016.5	97.9	0	0.2	0	0	0	0									23
24	1016.4	96.3	0	0.2	0	0	0	0									24
25	1016.2	93.1	0	0.2	0	0	0	0									25
26	1016.1	91.4	0	0.2	0	0	0	0									26
27	1016.0	89.6	0	0.2	0	0	0	0									27
28	1015.9	88.4	0	0.2	0	0	0	0									28
29	1015.6	84.2	0	1.3	0	0	0	0									29
30	1015.3	79.9	0	1.4	0	0	0	0									30
31			0		0	0	0	0									31
TOTAL			0	3.3			0	33.1									
Inf. Ac. Ft.			0				0										1324.2
Outf. Ac. Ft.			16.5 + (34.2)				65.7 + (14.3)										488.4 + (636.1)
Max. Daily Inflow			0				0										177.7
Min. Daily Inflow			0				0										0
Max. Daily Outflow			0				0										0
Storage Change			-70.7				-79.9										0

NOTE: Gage Heights and Storage as of Midnight on Day Shown

Max. W. S. Elev.	1030.8	feet	on	2-15-54	Storage	577.9	Acres Feet										
Min. W. S. Elev.	990.4	feet	on	PART OF YEAR	Storage	0	Acres Feet										
Max. Peak Inf.	565.	C.F.S. from	1:00 AM	on	1-25-54	to	2:00 AM	on	1-25-54								
Max. Peak Outf.	120.	C.F.S. from	3:30 PM	on	1-25-54	to	4:15 PM	on	1-25-54								

REMARKS ( ) INDICATES PERCOLATION AND EVAPORATION LOSSES

74D138N-688 Q-7-55

DAM OPERATION RECORD																	
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of DEVIL'S GATE Dam																	
From Arroyo Seco for the Year Ending September 30, 1955																	
Continuous Water Stage Recorder Au																	
Drainage Area 31.9 Square Miles Capacity of Reservoir 2636.3 Ac. Ft. at Spillway Elev. 1054.0 Ft. as of July 1952 Survey Gage Heights Read daily																	
Day	October				November				December				January				Day
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1			0	0			0	0	1007.3	27.5	0	0	1010.8	37.8	9.2	0.5	1
2			0	0			0	0	1007.9	23.5	0	0	1010.5	36.8	1.0	0.5	2
3			0	0			0	0	1010.9	33.4	0	0	1010.9	39.4	2.3	0.5	3
4			0	0			0	0	1010.3	33.7	0.2	0.3	1010.6	36.8	0	0.5	4
5			0	0			0	0	1010.0	33.7	0	0.5	1010.4	35.6	0	0.5	5
6			0	0			0	0	1005.5	31.6	0	0.5	1012.1	46.2	6.2	0.6	6
7			0	0			0	0	1009.7	29.5	0	0.5	1011.8	44.1	6.5	0.6	7
8			0	0			0	0	1009.7	29.0	11.9	0.5	1011.6	42.8	0	0.6	8
9			0	0			0	0	1012.4	49.7	0.2	0.5	1011.4	41.5	0	0.6	9
10			0	0	1002.4	10.7	5.7	0.3	1012.0	45.4	0	0.5	1016.9	104.5	33.4	0.6	10
11			0	0	1013.7	60.7	26.9	0.2	1011.6	42.8	0	0.5	1016.5	99.6	0.5	0.6	11
12			0	0	1013.6	59.6	0.5	0.2	1011.2	40.2	0	0.5	1016.4	96.3	0	0.6	12
13			0	0	1013.4	57.6	0	0	1010.9	39.4	0	0.5	1016.2	93.1	0	0.6	13
14			0	0	1013.1	54.6	0	0	1010.4	35.6	0	0.5	1016.0	89.8	0	0.6	14
15			0	0	1013.2	55.6	0	0	1010.1	34.2	0	0.5	1015.9	88.4	0	0.5	15
16			0	0	1012.8	49.7	0	0.2	1009.7	32.4	0	0.5	1017.3	111.7	13.4	0.5	16
17			0	0	1012.5	47.8	0	0.2	1009.3	30.9	0	0.5	1017.2	109.8	0.9	0.5	17
18			0	0	1011.6	43.8	0	1.9	1009.0	29.0	0	0.5	1021.3	204.1	50.4	0.5	18
19			0	0	1010.8	37.8	0	3.0	1008.3	28.9	0	0.5	1021.1	199.4	0	0.5	19
20			0	0	1010.8	37.8	0	3.0	1008.3	28.9	0	0.5	1020.9	193.0	0	0.5	20
21			0	0	1010.1	34.2	0	1.5	1007.6	25.8	0	0.4	1020.8	190.4	0	0.5	21
22			0	0	1009.3	30.9	0	1.3	1007.5	25.1	0	0.4	1020.6	185.2	0	0.5	22
23			0	0	1009.0	29.5	0	0.5	1007.7	24.4	0	0.2	1020.5	182.6	0	0.5	23
24			0	0	1008.9	29.1	0	0.1	1007.6	24.4	0	0	1020.4	180.0	0	0.5	24
25			0	0	1008.7	28.9	0	0.1	1007.5	24.1	0	0	1020.2	174.8	0	0.4	25
26			0	0	1008.1	26.9	0	0.9	1007.4	23.5	0	0	1020.0	169.6	0	0.4	26
27			0	0	1007.8	25.1	0	0.3	1007.2	22.8	0	0	1019.9	167.2	0	0.4	27
28			0	0	1007.7	24.5	0	0.1	1007.1	22.8	0	0	1019.8	164.8	0	0.4	28
29			0	0	1007.6	24.1	0	0	1007.0	22.8	0	0	1019.7	162.5	0	0.5	29
30			0	0	1007.5	24.1	0	0	1006.9	22.8	0	0	1020.0	169.6	5.2	0.5	30
31			0	0					1006.9	22.8	0	0	1020.1	172.2	4.6	0.5	31
TOTAL							33.1	10.2			20.9	9.7			128.8	15.9	
Inf. Ac. Ft.							35.7				41.5				255.5		362.7
Outf. Ac. Ft.							30.2 + (21.4)				19.2 + (34.2)				31.5 + (74.0)		70.9 + (119.6)
Max. Daily Inflow							26.9				11.9				50.4		50.4
Min. Daily Inflow							0				0				0		0
Max. Daily Outflow							0				0				0		0
Storage Change							+24.1				-1.9				+150.0		+172.2

NOTE: Gage Heights and Storage as of Midnight on Day Shown

Max. W. S. Elev.	1021.4	feet	on	1-18-55	Storage	207.	Acres Feet										
Min. W. S. Elev.	990.	feet	on	OCT. - NOV.	Storage	0	Acres Feet										
Max. Peak Inf.	334.	C.F.S. from	11:00 AM	on	1-18-55	to	12:00 NOON	on	1-18-55								
Max. Peak Outf.	6.8	C.F.S. from	9:00 PM	on	11-22-54	to	7:00 PM	on	11-24-55								

REMARKS ( ) INDICATES AVERAGE FOR PERIOD ( ) INDICATES PERCOLATION LOSSES

DEVIL'S GATE (Cont'd)

76D138N-68B Q3 7-55

DAM OPERATION RECORD																	
LOS ANGELES COUNTY																	
FLOOD CONTROL DISTRICT																	
HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of <u>DEVIL'S GATE</u> Dam																	
In <u>Arroyo Seco</u> for the Year Ending <u>September 30, 1955</u>																	
Continuous Water Stage Recorder <u>AU</u>																	
Drainage Area <u>31.9</u> Square Miles. Capacity of Reservoir <u>2636.3</u> Ac. Ft. at Spillway Elev. <u>1054.0</u> Ft. as of <u>July</u> , 1952 Survey Gage Heights <u>read daily</u>																	
Day	February				March				April				May				Day
	Gage Height	Ac. Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Ac. Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Ac. Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Ac. Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1017.9	157.2	0	0.4	1019.8	141.7	0	0.3	1017.0	106.1	0	0.2	1020.9	193.0	14.8	0	1
2	1019.8	164.8	0	0.4	1019.7	139.6	0	0.3	1016.9	104.5	0	0.2	1020.9	193.0	3.0	0	2
3	1019.5	160.1	0	0.4	1019.5	135.3	0	0.3	1016.8	102.8	0	0.2	1020.7	187.8	0	0	3
4	1019.5	157.7	0	0.4	1019.4	133.2	0	0.3	1016.7	101.2	0	0.2	1020.6	185.2	0	0	4
5	1019.4	155.4	0	0.3	1019.3	131.1	0	0.3	1016.5	97.9	0	0.2	1020.5	182.6	0	0	5
6	1019.3	153.0	0	0.3	1019.2	129.0	0	0.3	1016.4	95.3	0	0.2	1020.4	180.0	0	0	6
7	1019.2	150.6	0	0.3	1019.0	124.8	0	0.3	1016.3	94.7	0	0.2	1021.0	185.6	10.8	0	7
8	1019.3	149.3	0	0.3	1017.9	122.9	0	0.3	1016.2	93.1	0	0.2	1021.0	185.6	3.0	0	8
9	1019.0	145.9	0	0.3	1017.7	119.2	0	0.3	1016.1	91.4	0	0.2	1020.8	180.4	0	0	9
10	1018.9	143.8	0	0.3	1019.0	145.9	16.6	0.3	1016.0	89.8	0	0.2	1020.7	187.8	0	0	10
11	1019.7	139.6	0	0.3	1018.9	143.8	1.6	0.3	1015.8	87.0	0	0.2	1020.6	185.2	0	0	11
12	1018.6	137.4	0	0.3	1018.7	139.6	0	0.3	1015.7	85.6	0	0.2	1020.5	182.6	0	0	12
13	1019.5	135.3	0	0.3	1018.6	137.4	0	0.3	1015.6	84.2	0	0.2	1020.4	180.0	0	0	13
14	1018.4	133.2	0	0.2	1019.5	135.3	0	0.3	1015.5	82.7	0	0.2	1020.3	177.4	0	0	14
15	1019.3	131.1	0	0.2	1019.5	135.3	1.1	0.3	1015.4	81.3	0	0.2	1020.2	174.8	0	0	15
16	1018.7	139.6	6.0	0.2	1019.1	148.3	9.7	0.3	1015.3	79.9	0	0.2	1020.1	172.2	0	0	16
17	1019.2	150.6	8.1	0.2	1018.9	143.8	0	0.3	1015.2	78.5	0	0.2	1020.0	169.6	0	0	17
18	1019.0	145.9	0	0.2	1018.8	141.7	0	0.3	1015.1	77.1	0	0.2	1019.9	167.2	0	0	18
19	1018.9	143.8	0	0.2	1018.7	139.6	0	0.3	1015.1	77.1	0	0.2	1019.8	164.8	0	0	19
20	1018.7	139.6	0	0.3	1019.6	135.3	0	0.3	1015.0	75.7	0	0.2	1019.7	162.6	0	0	20
21	1018.6	137.4	0	0.3	1018.4	133.2	0	0.3	1015.5	82.7	5.2	0.2	1019.6	160.1	0	0	21
22	1019.5	135.3	0	0.3	1018.3	131.1	0	0.3	1016.0	89.8	4.9	0.1	1019.6	160.1	0	0	22
23	1018.4	133.2	0	0.2	1018.1	126.9	0	0.3	1015.9	88.4	0	0	1019.5	157.7	0	0	23
24	1018.3	131.1	0	0.2	1018.0	124.8	0	0.3	1015.8	87.0	0	0	1019.4	155.4	0	0	24
25	1019.2	129.0	0	0.2	1017.9	122.9	0	0.3	1015.7	85.6	0	0	1019.3	153.0	0	0	25
26	1019.2	129.0	1.1	0.2	1017.9	122.9	0	0.3	1015.7	85.6	0.7	0	1019.2	150.6	0	0	26
27	1019.0	145.9	10.8	0.3	1017.7	119.2	0	0.3	1015.7	85.6	0.7	0	1019.1	148.3	0	0	27
28	1019.9	143.8	0.2	0.3	1017.5	115.4	0	0.2	1015.6	84.2	0	0	1019.0	145.9	0	0	28
29					1017.4	113.6	0	0.2	1015.5	82.7	0	0	1018.9	143.8	0	0	29
30					1017.3	111.7	0	0.2	1020.0	169.6	46.8	0	1018.9	143.8	0	0	30
31					1017.2	109.6	0	0					1018.8	141.7	0	0	31
TOTAL		25.2	8.1				29.0	8.7			58.3	4.3			31.7	0	
Inf. Ac. Ft.		52.0					57.5				115.6				62.9		650.7
Outf. Ac. Ft.																	
Net Change																	
Max. Daily Inflow																	112.8 (996.2)
Min. Daily Inflow																	50.4
Max. Daily Outflow																	0
Min. Daily Outflow																	0
Storage Change		-28.4				-34.0				+59.8				-27.9			+141.7

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	121.4	feet	on	1-18-55	Storage	207	Ac. Feet	RECORDS COLLECTED BY	K. M. YORK	Dam Tender	COMPUTATIONS	ckd.	Data
Min. W. S. Elev.	990.4	feet	on	OCT. - NOV.	Storage	0	Ac. Feet		F. E. STUNDEN	Hydrographer	Gage Hts. copied	JHL	HRW
Max. Peak Inf.	334.	C.F.S. from	11:00 AM	on 1-18-55	to	12:00 NOON	on 1-18-55			Hydrographer	Storage applied	JHL	HRW
Max. Peak Outf.	6.8	C.F.S. from	5:00 PM	on 11-22-54	to	7:00 PM	on 11-22-54			Hydrographer	Inf. & Outf. comp.	JHL	HRW

REMARKS: ( ) INDICATES AVERAGE FOR PERIOD  
( ) INDICATES PERCOLATION LOSSES

76D138N-68B Q3 7-55

DAM OPERATION RECORD																	
LOS ANGELES COUNTY																	
FLOOD CONTROL DISTRICT																	
HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of <u>DEVIL'S GATE</u> Dam																	
In <u>Arroyo Seco</u> for the Year Ending <u>September 30, 1955</u>																	
Continuous Water Stage Recorder <u>AU</u>																	
Drainage Area <u>31.9</u> Square Miles. Capacity of Reservoir <u>2636.3</u> Ac. Ft. at Spillway Elev. <u>1054.0</u> Ft. as of <u>July</u> , 1952 Survey Gage Heights <u>read daily</u>																	
Day	June				July				August				September				Day
	Gage Height	Ac. Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Ac. Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Ac. Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Ac. Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1018.7	139.6	0	0	1016.0	89.6	0	0	1011.9	44.7	0	0.2	1005.7	19.8	0	0.1	1
2	1018.7	139.6	0	0	1015.9	88.4	0	0	1011.7	43.4	0	0.2	1005.5	18.2	0	0.1	2
3	1018.6	137.4	0	0	1015.8	87.0	0	0	1011.5	42.1	0	0.2	1004.9	16.6	0	0.7	3
4	1018.5	135.3	0	0	1015.8	87.0	0	0	1011.4	41.5	0	0.2	1004.0	14.4	0	1.2	4
5	1018.4	133.2	0	0	1015.7	85.6	0	0	1011.2	40.2	0	0.2	1002.9	11.8	0	1.2	5
6	1018.3	131.1	0	0	1015.6	84.2	0	0	1011.0	38.9	0	0.2	1001.4	8.8	0	1.2	6
7	1018.2	129.0	0	0	1015.5	82.7	0	0	1010.9	38.4	0	0.2	999.8	6.8	0	1.0	7
8	1018.1	126.9	0	0	1015.4	81.3	0	0	1010.7	37.3	0	0.2	998.2	5.0	0	1.0	8
9	1017.9	122.9	0	0	1015.4	81.3	0	0	1010.5	36.3	0	0.2	996.6	2.3	0	1.0	9
10	1017.8	121.0	0	0	1015.3	79.9	0	0	1010.3	35.2	0	0.2	995.1	1.3	0	0.4	10
11	1017.8	121.0	0	0	1015.2	78.5	0	0	1010.1	34.2	0	0.2	994.0	0.8	0	0.2	11
12	1017.7	119.2	0	0	1015.1	77.1	0	0	1010.0	33.7	0	0.2	994.0	0.8	0	0	12
13	1017.6	117.3	0	0	1015.0	75.7	0	0	1009.8	32.8	0	0.2	994.0	0.8	0	0	13
14	1017.5	115.4	0	0	1015.0	75.7	0	0	1009.6	32.0	0	0.2	994.0	0.8	0	0	14
15	1017.4	113.6	0	0	1014.8	73.3	0	0.4	1009.5	31.6	0	0.1	994.0	0.8	0	0	15
16	1017.3	111.7	0	0	1014.6	70.9	0	1.0	1009.3	30.8	0	0.1	994.0	0.8	0	0	16
17	1017.2	109.8	0	0	1014.4	68.5	0	1.0	1009.1	29.9	0	0.1	993.9	0.8	0	0	17
18	1017.1	108.0	0	0	1014.3	64.9	0	1.0	1008.8	28.6	0	0.1	993.9	0.8	0	0	18
19	1017.1	108.0	0	0	1013.8	61.7	0	1.0	1008.6	28.0	0	0.1	993.9	0.8	0	0	19
20	1017.0	106.1	0	0	1013.6	59.6	0	0.8	1008.4	27.3	0	0.1	993.9	0.8	0	0	20
21	1016.9	104.5	0	0	1013.4	57.6	0	0.4	1008.2	26.5	0	0.1	993.9	0.8	0	0	21
22	1016.8	102.8	0	0	1013.2	55.6	0	0.3	1008.0	25.8	0	0.1	993.9	0.8	0	0	22
23	1016.7	101.2	0	0	1013.1	54.6	0	0.3	1007.8	25.1	0	0.1	993.9	0.8	0	0	23
24	1016.6	99.6	0	0	1013.0	53.6	0	0.3	1007.5	24.1	0	0.1	993.9	0.8	0	0	24
25	1016.5	97.9	0	0	1012.8	52.0	0	0.3	1007.3	23.5	0	0.1	993.9	0.8	0	0	25
26	1016.4	96.3	0	0	1012.7	51.1	0	0.3	1007.1	22.8	0	0.1	993.8	0.7	0	0	26
27	1016.3	94.7	0	0	1012.6	50.3	0	0.3	1006.8	21.9	0	0.1	993.8	0.7	0	0	27
28	1016.3	94.7	0	0	1012.4	48.7	0	0.3	1006.5	21.0	0	0.1	993.8	0.7	0	0	28
29	1016.2	93.1	0	0	1012.3	47.8	0	0.2	1006.2	20.2	0	0.1	993.8	0.7	0	0	29
30	1016.1	91.4	0	0	1012.1	46.2	0	0.2	1005.9	19.3	0	0.1	993.7	0.7	0	0	30
31					1012.0	45.4	0	0.2	1005.8	19.0	0	0.1				0	31

EATON

760138N-68B Q4 7-55

DAM OPERATION RECORD																	
LOS ANGELES COUNTY																	
FLOOD CONTROL DISTRICT																	
HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of <u>EATON WASH</u> Dam														Continuous Water Stage Recorder <u>Au</u>			
In <u>Eaton Wash</u> for the Year Ending September 30, 19 <u>54</u>																	
Drainage Area <u>9.48</u> Square Miles. Capacity of Reservoir <u>703.0</u> Ac. Ft. at Spillway Elev. <u>887.5</u> Ft. as of <u>January</u> 19 <u>52</u> Survey														Gage Heights <u>Read daily</u>			
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	843.4				843.4		0	0			0	0	843.0	0	0	0	1
2							0	0			0	0			0	0	2
3							0	0			0	0			0	0	3
4							0	0	851.7	2.9	2.1	0			0	0	4
5							0	0	851.1	2.3	0	0			0	0	5
6							0	0	850.5	1.8	0	0			0	0	6
7							0	0	849.9	1.4	0	0			0	0	7
8							0	0	849.4	1.2	0	0			0	0	8
9							0	0	848.7	0.9	0	0			0	0	9
10							0	0	848.2	0.3	0	0			0	0	10
11							0	0	844.2	0.1	0	0			0	0	11
12							0	0	843.5	0.1	0	0	852.0	6.7	5.2	0	12
13							0	0	843.7	0.1	0	0	851.4	5.6	0	0	13
14					851.8	3.0	3.1	0	843.5	0	0	0	851.0	4.8	0	0	14
15					850.6	1.9	0.1	0	843.2	0	0	0	850.6	4.2	0	0	15
16					849.6	1.2	0.1	0			0	0	850.3	3.7	0	0	16
17					849.1	1.0	0.1	0			0	0	850.0	3.2	0	0	17
18					847.9	0.7	0	0			0	0	852.2	3.7	2.3	0	18
19					844.5	0.4	0	0			0	0	864.5	10.7	5.1	2	19
20							0	0			0	0	863.3	9.6	0	0	20
21							0	0			0	0	862.9	8.5	1.0	0	21
22	845.9	0.3	0.2				0	0			0	0	862.4	7.8	0	0	22
23	843.9	0.1	0.2				0	0			0	0	867.5	14.4	3.6	0	23
24							0	0			0	0	869.1	17.0	0	4.0	24
25							0	0			0	0	864.3	10.3	3.9	3.3	25
26							0	0			0	0	863.8	9.5	1.1	2.4	26
27							0	0			0	0	863.5	9.1	0	0	27
28							0	0			0	0	863.2	8.5	0	0	28
29							0	0			0	0	862.9	8.1	0	0	29
30							0	0			0	0	862.7	8.0	0	0	30
31							0	0			0	0					31
TOTAL			0.2	0		3.4	0		2.1	0			15.3				
Inf. Ac. Ft. Outf. Ac. Ft.			0.4			6.7			4.2				11.0			321.3	
Maximum Mean Daily Inflow			0.2			3.1			2.1				156.1		156.1 + (82.3)	55.9	
Minimum Mean Daily Inflow			0			0			0				0		0	0	
Storage Change			0			0			0				+ 83.0		+ 83.0		

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	871.9	feet	on	1-25-54	Storage	220.9	Ac. Feet		
Min. W. S. Elev.	841.4	feet	on	PART OF YEAR	Storage	0	Ac. Feet		
Max. Peak Inf.	220.	C.F.S. from	4:00 AM	on	1-19-54	to	6:00 AM	on	1-19-54
Max. Peak Outf.	72.	C.F.S. from	10:35 AM	on	2-14-54	to	11:00 AM	on	2-14-54

REMARKS: ( ) INDICATES PERCOLATION AND EVAPORATION LOSSES

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DAM OPERATION RECORD																	
LOS ANGELES COUNTY																	
FLOOD CONTROL DISTRICT																	
HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of <u>EATON WASH</u> Dam														Continuous Water Stage Recorder <u>Au</u>			
In <u>Eaton Wash</u> for the Year Ending September 30, 19 <u>54</u>																	
Drainage Area <u>9.48</u> Square Miles. Capacity of Reservoir <u>703.0</u> Ac. Ft. at Spillway Elev. <u>887.5</u> Ft. as of <u>January</u> 19 <u>52</u> Survey														Gage Heights <u>Read daily</u>			
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	862.2	80.9	0	0	860.6	62.2	0	0	865.3	113.8	1.0	0	859.3	43.4	0	0	1
2	862.2	77.7	0	0	860.4	60.4	0	0	864.9	103.6	0	0	859.2	42.7	0	0	2
3	862.2	75.6	0	0	860.3	57.5	0	0	864.7	106.1	0	0	859.0	41.2	0	0	3
4	861.8	73.6	0	0	860.1	57.7	0	0	864.4	102.5	0	0	857.8	39.9	0	0	4
5	861.6	71.7	0	0	860.0	55.6	0	0	864.0	97.6	0	0	857.7	38.6	0	0	5
6	861.5	70.7	0	0	859.8	53.2	0	0	863.8	95.3	0	0	857.4	37.2	0	0	6
7	861.3	69.7	0	0	859.6	51.5	0	0	863.5	91.9	0	0	857.2	35.5	0	0	7
8	861.1	68.8	0	0	859.4	51.8	0	0	863.1	87.3	0	0	857.1	35.3	0	0	8
9	860.9	64.2	0	0	859.2	50.2	0	0	862.8	84.1	0	0	857.0	34.6	0	0	9
10	860.7	63.1	0	0	859.1	49.4	0	0	862.6	82.0	0	0	856.8	33.4	0	0	10
11	860.6	62.2	0	0	859.0	47.9	0	0	862.4	79.6	0	0	856.6	32.2	0	0	11
12	860.4	60.4	0	0	858.7	46.4	0	0	862.1	76.7	0	0	856.5	31.6	0	0	12
13	860.4	60.7	2.5	2.2	858.5	45.5	0	0	861.9	74.6	0	0	856.4	31.0	0	0	13
14	860.4	79.6	2.5	2.1	858.3	44.2	0	0	861.7	72.7	0	0	856.3	30.4	0	0	14
15	860.2	75.1	4.4	0	858.3	43.4	0	0	861.4	69.7	0	0	856.1	29.2	0	0	15
16	860.2	85.1	1.5	0	858.0	40.2	4.2	0	861.2	67.8	0	0	856.0	28.6	0	0	16
17	860.2	83.0	0	0	857.9	39.3	1.5	0	861.0	65.6	0	0	855.8	27.6	0	0	17
18	860.2	82.6	0	0	857.9	49.4	0.1	0	860.7	63.1	0	0	855.7	27.0	0	0	18
19	860.2	79.9	0	0	857.9	47.9	0	0	860.5	61.3	0	0	855.6	26.5	0	0	19
20	860.2	77.7	0	0	857.8	45.2	4.6	0	860.3	59.5	0	0	855.4	25.5	0	0	20
21	860.0	75.6	0	0	857.4	44.0	5.6	0	860.1	57.7	0	0	855.3	24.4	0	0	21
22	861.6	73.6	0	0	857.1	42.6	5.9	0	859.9	56.0	0	0	855.1	23.9	0	0	22
23	861.7	72.7	0	0	856.9	41.1	5.9	0	859.7	54.7	0	0	855.0	23.4	0	0	23
24	861.5	70.7	0	0	856.7	39.5	4.8	0	859.5	52.7	0	0	854.9	22.9	0	0	24
25	861.3	68.8	0	0	856.5	37.2	4.8	0	859.3	51.1	0	0	854.7	22.0	0	0	25
26	861.1	66.8	0	0	856.3	35.0	0	0	859.1	49.4	0	0	854.6	21.6	0	0	26
27	861.0	65.8	0	0	856.3	34.1	0	0	859.0	48.6	0	0	854.5	21.1	0	0	27
28	860.8	64.0	0	0	856.2	34.1	0	0	858.8	47.1	0	0	854.4	20.6	0	0	28
29					856.3	36.2	2.3	0	858.6	45.6	0	0	854.2	19.7	0	0	29
30					856.5	112.4	16.1	0	858.4	44.2	0	0	854.1	19.3	0	0	30
31					865.6	117.7	6.7	0	858.4	44.2	0	0	854.0	18.8	0	0	31
TOTAL			40.6	21.7		65.2	0		1.0	0			0				
Inf. Ac. Ft. Outf. Ac. Ft.			80.5			129.3			2.0				0			533.1	
Maximum Mean Daily Inflow			43.0			16.1			1.0				0			128.1 + (315.5)	55.9
Minimum Mean Daily Inflow			25.2			0			0				0			0	0
Storage Change			-19.0			+ 53.7			-73.5				-25.4			+ 18.8	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	871.9	feet	on	1-25-54	Storage	220.9	Ac. Feet		
Min. W. S. Elev.	841.4	feet	on	PART OF YEAR	Storage	0	Ac. Feet		
Max. Peak Inf.	220.	C.F.S. from	4:00 AM	on	1-19-54	to	6:00 AM	on	1-19-54
Max. Peak Outf.	72.	C.F.S. from	10:35 AM						



EATON (Cont'd)

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DAM OPERATION RECORD																		
LOS ANGELES COUNTY																		
FLOOD CONTROL DISTRICT																		
HYDRAULIC DIVISION																		
Daily Gage Height in feet and Operation Record of <u>EATON</u> Dam														Continuous Water Stage Recorder <u>AU</u>				
In <u>Eaton Wash</u> for the Year Ending September 30, 19 <u>55</u>																		
Drainage Area <u>9.48</u> Square Miles Capacity of Reservoir <u>703.0</u> Ac. Ft. at Spillway Elev. <u>887.5</u> Ft. as of <u>January</u> , 19 <u>55</u> Survey														Gage Heights <u>read daily</u>				
Day	February				March				April				May				Day	
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow		
1	853.7	17.6	0	0	852.3	9.5	0	0	849.8	8.6	0	0	858.1	41.9	11.4	0	1	
2	853.5	16.8	0	0	852.1	9.1	0	0	849.7	8.4	0	0	857.7	39.2	0.6	0	2	
3	853.3	15.9	0	0	851.9	8.7	0	0	849.6	8.2	0	0	857.3	36.6	0	0	3	
4	853.2	15.5	0	0	851.8	8.5	0	0	849.5	7.9	0	0	857.0	34.6	0	0	4	
5	853.0	14.7	0	0	851.5	8.1	0	0	849.5	7.8	0	0	856.7	32.8	0	0	5	
6	852.8	14.0	0	0	851.2	7.6	0	0	849.4	7.5	0	0	856.4	31.0	0	0	6	
7	852.6	13.5	0	0	850.7	7.0	0	0	849.3	7.3	0	0	856.2	29.8	0.7	0	7	
8	852.4	13.0	0	0	850.3	6.6	0	0	849.2	7.1	0	0	856.0	28.6	0.5	0	8	
9	852.1	12.4	0	0	850.1	6.3	0	0	849.2	7.0	0	0	855.8	27.6	0	0	9	
10	851.8	11.8	0	0	852.9	11.7	3.4	0	849.1	6.8	0	0	855.6	26.5	0	0	10	
11	851.4	11.2	0	0	852.7	11.3	0.4	0	849.0	6.6	0	0	855.3	25.0	0	0	11	
12	850.9	10.5	0	0	852.5	10.8	0	0	848.9	6.5	0	0	855.1	23.9	0	0	12	
13	850.4	9.9	0	0	852.3	10.4	0	0	848.9	6.3	0	0	854.9	22.9	0	0	13	
14	850.1	9.5	0	0	852.2	10.0	0	0	848.8	6.1	0	0	854.7	22.0	0	0	14	
15	849.9	9.2	0	0	852.0	9.6	0	0	848.7	6.0	0	0	854.5	21.1	0	0	15	
16	849.6	9.1	0.2	0	853.4	15.3	4.0	0	848.7	5.8	0	0	854.3	20.2	0	0	16	
17	851.6	10.6	1.1	0	853.2	15.5	0	0	848.6	5.6	0	0	854.1	19.3	0	0	17	
18	851.4	10.2	0	0	853.0	14.7	0	0	848.5	5.5	0	0	853.9	18.4	0	0	18	
19	851.2	9.9	0	0	852.9	14.4	0	0	848.5	5.4	0	0	853.7	17.6	0	0	19	
20	851.0	9.5	0	0	852.7	13.9	0	0	848.4	5.1	0	0	853.6	17.2	0	0	20	
21	850.8	9.1	0	0	852.5	13.4	0	0	848.3	4.8	0	0	853.4	16.3	0	0	21	
22	850.6	8.8	0	0	852.4	12.9	0	0	848.3	4.9	0.4	0	853.2	15.5	0	0	22	
23	850.5	8.4	0	0	852.2	12.5	0	0	848.2	4.7	0	0	853.1	15.1	0	0	23	
24	850.2	7.9	0	0	852.1	12.1	0	0	848.2	4.5	0	0	852.9	14.4	0	0	24	
25	849.9	7.6	0	0	851.9	11.6	0	0	848.1	4.3	0	0	852.8	14.0	0	0	25	
26	849.7	7.3	0	0	851.7	11.2	0	0	848.0	4.1	0	0	852.6	13.3	0	0	26	
27	849.5	7.0	1.9	0	851.5	10.7	0	0	847.9	3.8	0	0	852.5	13.0	0	0	27	
28	852.5	10.0	0.1	0	851.3	10.3	0	0	847.8	3.6	0	0	852.3	12.2	0	0	28	
29					851.1	9.9	0	0	847.7	3.4	0	0	852.0	11.2	0	0	29	
30					850.9	9.6	0	0	847.6	3.2	1.2	0	851.9	10.9	0	0	30	
31					842.8	3.8	0	0	847.5	3.0	0	0	851.7	10.4	0	0	31	
TOTAL			3.3	0			7.8	0			11.6	0			13.2	0		
Infl. Ac. Ft.			6.5				15.5				37.0				34.2			
Outfl. Ac. Ft.			0				0				0				0			
Maximum			1.9				4.0				1.2				1.4			
Mean Daily Inflow			0				0				0				0			
Mean Daily Outflow			0				0				0				0			
Storage Change			-3.4				-1.2				+14.6				-13.0			

NOTE: Gage Heights and Storages as of Midnight on Day Shown

RECORDS COLLECTED BY: H. E. WILSON (Dam Tender), F. E. STUNDEN (Hydrographer)

COMPUTATIONS: JHL HRW (Gage Hts. copied), JHL HRW (Storage applied), JHL HRW (Inf. & Outfl. comp.)

REMARKS: ( ) INDICATES PERCOLATION LOSSES  
\* STORAGE IN RESERVOIR AND PITS, RESERVOIR GAGE HEIGHT SHOWN

76D138N-68B Q4 7-55

DAM OPERATION RECORD																		
LOS ANGELES COUNTY																		
FLOOD CONTROL DISTRICT																		
HYDRAULIC DIVISION																		
Daily Gage Height in feet and Operation Record of <u>EATON</u> Dam														Continuous Water Stage Recorder <u>AU</u>				
In <u>Eaton Wash</u> for the Year Ending September 30, 19 <u>55</u>																		
Drainage Area <u>9.48</u> Square Miles Capacity of Reservoir <u>703.0</u> Ac. Ft. at Spillway Elev. <u>887.5</u> Ft. as of <u>January</u> , 19 <u>55</u> Survey														Gage Heights <u>read daily</u>				
Day	June				July				August				September				Day	
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow		
1	844.5	0	0	0	843.1	0	0	0	846.4	0	0	0	844.5	POOL	0	0	1	
2	844.5	0	0	0	843.1	0	0	0	846.4	0	0	0	844.5	POOL	0	0	2	
3	844.5	0	0	0	843.1	0	0	0	846.4	0	0	0	844.5	POOL	0	0	3	
4	844.5	0	0	0	843.1	0	0	0	846.4	0	0	0	844.5	POOL	0	0	4	
5	844.5	0	0	0	843.1	0	0	0	846.4	0	0	0	844.5	POOL	0	0	5	
6	844.5	0	0	0	843.1	0	0	0	846.4	0	0	0	844.5	POOL	0	0	6	
7	844.5	0	0	0	843.1	0	0	0	846.4	0	0	0	844.5	POOL	0	0	7	
8	844.5	0	0	0	843.1	0	0	0	846.4	0	0	0	844.5	POOL	0	0	8	
9	844.5	0	0	0	843.1	0	0	0	846.4	0	0	0	844.5	POOL	0	0	9	
10	844.5	0	0	0	843.1	0	0	0	846.4	0	0	0	844.5	POOL	0	0	10	
11	844.5	0	0	0	843.1	0	0	0	846.4	0	0	0	844.5	POOL	0	0	11	
12	844.5	0	0	0	843.1	0	0	0	846.4	0	0	0	844.5	POOL	0	0	12	
13	844.5	0	0	0	843.1	0	0	0	846.4	0	0	0	844.5	POOL	0	0	13	
14	844.5	0	0	0	843.1	0	0	0	846.4	0	0	0	844.5	POOL	0	0	14	
15	844.5	0	0	0	843.1	0	0	0	846.4	0	0	0	844.5	POOL	0	0	15	
16	844.5	0	0	0	843.1	0	0	0	846.4	0	0	0	844.5	POOL	0	0	16	
17	844.5	0	0	0	843.1	0	0	0	846.4	0	0	0	844.5	POOL	0	0	17	
18	844.5	0	0	0	843.1	0	0	0	846.4	0	0	0	844.5	POOL	0	0	18	
19	844.5	0	0	0	843.1	0	0	0	846.4	0	0	0	844.5	POOL	0	0	19	
20	844.5	0	0	0	843.1	0	0	0	846.4	0	0	0	844.5	POOL	0	0	20	
21	844.5	0	0	0	843.1	0	0	0	846.4	0	0	0	844.5	POOL	0	0	21	
22	844.5	0	0	0	843.1	0	0	0	846.4	0	0	0	844.5	POOL	0	0	22	
23	844.5	0	0	0	843.1	0	0	0	846.4	0	0	0	844.5	POOL	0	0	23	
24	844.5	0	0	0	843.1	0	0	0	846.4	0	0	0	844.5	POOL	0	0	24	
25	844.5	0	0	0	843.1	0	0	0	846.4	0	0	0	844.5	POOL	0	0	25	
26	844.5	0	0	0	843.1	0	0	0	846.4	0	0	0	844.5	POOL	0	0	26	
27	844.5	0	0	0	843.1	0	0	0	846.4	0	0	0	844.5	POOL	0	0	27	
28	844.5	0	0	0	843.1	0	0	0	846.4	0	0	0	844.5	POOL	0	0	28	
29	844.5	0	0	0	843.1	0	0	0	846.4	0	0	0	844.5	POOL	0	0	29	
30	844.5	0	0	0	843.1	0	0	0	846.4	0	0	0	844.5	POOL	0	0	30	
31	844.5	0	0	0	843.1	0	0	0	846.4	0	0	0	844.5	POOL	0	0	31	
TOTAL			0	0			0	0			0	0			0	0		
Infl. Ac. Ft.			0				0				0				0			
Outfl. Ac. Ft.			0				0				0				0			
Maximum			0				0				0				0			
Mean Daily Inflow			0				0				0				0			
Mean Daily Outflow			0				0				0				0			
Storage Change			-3.4				-3.6				-0.2				0			

NOTE: Gage Heights and Storages as of Midnight on Day Shown

RECORDS COLLECTED BY: H. E. WILSON (Dam Tender), F. E. STUNDEN (Hydrographer)

COMPUTATIONS: JHL HRW (Gage Hts. copied), JHL HRW (Storage applied), JHL HRW (Inf. & Outfl. comp.)

REMARKS: ( ) INDICATES PERCOLATION LOSSES  
\* STORAGE IN RESERVOIR AND PITS, RESERVOIR GAGE HEIGHT SHOWN

SANTA ANITA

DAM OPERATION RECORD  
LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Daily Gage Height In feet and Operation Record of SANTA ANITA Dam

In Santa Anita Canyon for the Year Ending September 30, 1954

Continuous Water Stage Recorder Au

Drainage Area 10.8 Square Miles Capacity of Reservoir 721.0 Ac. Ft. at Spillway Elev. 1316.0 Ft. as of January 1947 Survey Gage Heights Read daily

Day	October				November				December				January				Day
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1240.5	114.5	0.5	0.9	1235.0	92.7	0.5	0.8	1236.9	100.0	0.8	0.6	1240.0	112.4	0.8	0.6	
2	1240.3	113.6	0.5	0.9	1234.8	91.9	0.5	0.8	1237.0	100.4	0.6	0.6	1240.1	112.8	0.8	0.6	
3	1240.1	112.8	0.5	0.9	1234.7	91.6	0.5	0.8	1237.0	100.4	0.6	0.6	1240.2	113.2	0.8	0.6	
4	1239.9	112.0	0.5	0.9	1234.6	91.2	0.5	0.8	1237.2	101.2	0.9	0.6	1240.3	113.6	0.8	0.6	
5	1239.8	111.6	0.5	0.9	1234.5	90.6	0.5	0.8	1237.3	101.6	0.8	0.6	1240.4	114.0	0.8	0.6	
6	1239.6	110.8	0.5	0.9	1234.4	90.4	0.5	0.7	1237.4	102.0	0.8	0.6	1240.5	114.5	0.8	0.6	
7	1239.4	110.0	0.5	0.9	1234.3	90.0	0.5	0.6	1237.5	102.4	0.8	0.6	1240.6	114.9	0.8	0.6	
8	1239.3	109.2	0.5	0.9	1234.2	89.7	0.5	0.6	1237.6	102.8	0.8	0.6	1240.7	115.3	0.8	0.6	
9	1239.2	108.4	0.5	0.9	1234.1	89.3	0.5	0.6	1237.7	103.2	0.8	0.6	1240.7	115.7	0.8	0.6	
10	1239.1	107.6	0.5	0.9	1234.0	88.9	0.5	0.6	1237.8	103.6	0.8	0.6	1240.8	116.1	0.8	0.6	
11	1239.0	106.8	0.5	0.9	1233.9	88.5	0.5	0.6	1237.9	104.0	0.8	0.6	1240.9	116.5	0.8	0.6	
12	1238.9	106.0	0.5	0.9	1233.8	88.1	0.5	0.6	1238.0	104.4	0.8	0.6	1241.0	116.9	0.8	0.6	
13	1238.8	105.2	0.5	0.9	1233.7	87.7	0.5	0.6	1238.1	104.8	0.8	0.6	1241.1	117.3	0.8	0.6	
14	1238.7	104.4	0.5	0.9	1233.6	87.3	0.5	0.6	1238.2	105.2	0.8	0.6	1241.2	117.7	0.8	0.6	
15	1238.6	103.6	0.5	0.9	1233.5	86.9	0.5	0.6	1238.3	105.6	0.8	0.6	1241.3	118.1	0.8	0.6	
16	1238.5	102.8	0.5	0.9	1233.4	86.5	0.5	0.6	1238.4	106.0	0.8	0.6	1241.4	118.5	0.8	0.6	
17	1238.4	102.0	0.5	0.9	1233.3	86.1	0.5	0.6	1238.5	106.4	0.8	0.6	1241.5	118.9	0.8	0.6	
18	1238.3	101.2	0.5	0.8	1233.2	85.7	0.5	0.6	1238.6	106.8	0.8	0.6	1241.6	119.3	0.8	0.6	
19	1238.2	100.4	0.5	0.8	1233.1	85.3	0.5	0.6	1238.7	107.2	0.8	0.6	1241.7	119.7	0.8	0.6	
20	1238.1	100.0	0.5	0.8	1233.0	84.9	0.5	0.6	1238.8	107.6	0.8	0.6	1241.8	120.1	0.8	0.6	
21	1238.0	99.2	0.5	0.8	1232.9	84.5	0.5	0.6	1238.9	108.0	0.8	0.6	1241.9	120.5	0.8	0.6	
22	1237.9	98.4	0.5	0.8	1232.8	84.1	0.5	0.6	1239.0	108.4	0.8	0.6	1242.0	120.9	0.8	0.6	
23	1237.8	97.6	0.5	0.8	1232.7	83.7	0.5	0.6	1239.1	108.8	0.8	0.6	1242.1	121.3	0.8	0.6	
24	1237.7	96.8	0.5	0.8	1232.6	83.3	0.5	0.6	1239.2	109.2	0.8	0.6	1242.2	121.7	0.8	0.6	
25	1237.6	96.0	0.5	0.8	1232.5	82.9	0.5	0.6	1239.3	109.6	0.8	0.6	1242.3	122.1	0.8	0.6	
26	1237.5	95.2	0.5	0.8	1232.4	82.5	0.5	0.6	1239.4	110.0	0.8	0.6	1242.4	122.5	0.8	0.6	
27	1237.4	94.4	0.5	0.8	1232.3	82.1	0.5	0.6	1239.5	110.4	0.8	0.6	1242.5	122.9	0.8	0.6	
28	1237.3	93.6	0.5	0.8	1232.2	81.7	0.5	0.6	1239.6	110.8	0.8	0.6	1242.6	123.3	0.8	0.6	
29	1237.2	92.8	0.5	0.8	1232.1	81.3	0.5	0.6	1239.7	111.2	0.8	0.6	1242.7	123.7	0.8	0.6	
30	1237.1	92.0	0.5	0.8	1232.0	80.9	0.5	0.6	1239.8	111.6	0.8	0.6	1242.8	124.1	0.8	0.6	
31	1237.0	91.2	0.5	0.8	1231.9	80.5	0.5	0.6	1239.9	112.0	0.8	0.6	1242.9	124.5	0.8	0.6	
TOTAL		195.4	26.6			197.7	16.4			249.9	18.6			564.3			
Inf. Ac. Ft.		30.5				39.1				49.4				1119.3			
Outf. Ac. Ft.			52.8				32.5				36.9				945.3		
Maximum Mean Daily Inflow		0.5				0.9				0.9				201.3			
Minimum Mean Daily Inflow		0.4				0.5				0.8				0.7			
Storage Change		-22.2				+6.5				+12.4				+174.0			

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1318.2	feet	on	1-25-54	Storage	555.2	Acres Feet	RECORDS COLLECTED BY	Dam Tender	COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1181.1	feet	on	IN JUNE	Storage	0	Acres Feet	K. H. SHIPLEY		Gage Hts. copied	JHL	HYDE
Max. Peak Inf.	1240	C.F.S. from	10:00 PM	on	1-24-54	to	1-24-54	F. E. STUNDEN	Hydrographer	Storage applied	JHL	HYDE
Max. Peak Outf.	570	C.F.S. from	5:30 AM	on	1-25-54	to	5:00 AM		Hydrographer	Inf. & Outf. comp.	JHL	HYDE
REMARKS	INDICATES AVERAGE FOR PERIOD OR PRORATED DAILY AMOUNTS											

DAM OPERATION RECORD  
LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Daily Gage Height In feet and Operation Record of SANTA ANITA Dam

In Santa Anita Canyon for the Year Ending September 30, 1954

Continuous Water Stage Recorder Au

Drainage Area 10.8 Square Miles Capacity of Reservoir 833.2 Ac. Ft. at Spillway Elev. 1316.0 Ft. as of February 7, 1954 Survey Gage Heights Read daily

Day	February				March				April				May				Day
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1243.0	235.8	6.5	32.0	1238.4	36.5	3.7	2.0	1237.9	295.3	14.9	21.1			3.8	3.8	
2	1243.0	125.1	9.0	50.6	1239.1	39.9	3.0	1.8	1238.5	276.2	13.6	23.2			3.7	3.7	
3	1243.0	78.9	4.8	28.1	1240.7	44.6	3.6	0.7	1238.2	255.8	12.7	23.0			3.6	3.6	
4	1241.4	0	4.7	44.5	1237.9	34.8	4.0	9.9	1237.8	232.7	11.3	23.0			3.5	3.5	
5	1241.1	0	4.5	4.5	1240.2	42.8	4.0	0	1238.4	0	14.7	53.4			3.4	3.4	
6	1240.9	0	4.4	4.4	1242.4	50.9	4.1	0	1247.9	72.5	9.7	47.5			3.3	3.3	
7	1243.0	4.5	3.7	0	1244.2	57.8	3.5	0	1241.1	46.1	8.4	21.7			3.3	3.3	
8	1242.9	0	3.2	0.4	1245.9	64.4	3.3	0	1241.0	45.3	7.2	22.8			3.2	3.2	
9	1243.2	0	3.0	0	1247.5	70.8	3.2	0	1240.9	44.5	6.8	23.1			3.1	3.1	
10	1243.4	0	3.1	1.1	1249.6	76.3	3.2	0	1241.1	44.5	6.3	15.8			3.0	3.0	
11	1243.4	26.6	3.1	1.1	1249.6	76.3	3.2	1.2	1241.1	44.5	5.9	5.9			2.9	2.9	
12	1243.6	30.5	3.0	1.1	1250.6	83.9	3.4	1.2	1241.1	44.5	5.4	5.4			2.8	2.8	
13	1243.6	241.1	126.7	0.4	1251.6	88.2	3.4	1.2	1241.1	44.5	5.0	5.0			2.7	2.7	
14	1243.1	225.1	22.2	0	1252.5	93.2	3.2	1.2	1241.1	44.5	4.9	4.9			2.7	2.7	
15	1242.7	217.4	11.3	0	1253.5	95.6	3.2	1.2	1241.1	44.5	4.8	4.8			2.7	2.7	
16	1244.0	241.6	10.1	16.4	1270.0	100.1	4.3	1.2	1241.1	44.5	4.7	4.7			2.6	2.6	
17	1243.9	230.2	9.0	16.4	1271.6	109.2	5.0	0.2	1241.1	44.5	4.6	4.6			2.6	2.6	
18	1243.3	226.3	8.9	13.6	1267.1	114.0	4.1	18.0	1241.1	44.5	4.5	4.5			2.5	2.5	
19	1243.0	209.4	8.2	15.9	1258.9	121.8	3.7	25.0	1241.1	44.5	4.4	4.4			2.5	2.5	
20	1246.5	155.4	7.6	11.3	1268.6	172.2	2.5	0	1241.1	44.5	4.3	4.3			2.5	2.5	
21	1254.1	99.4	7.0	2.9	1273.2	198.6	1.3	0	1241.1	44.5	4.2	4.2			2.5	2.5	
22	1239.6	40.7	6.1	28.4	1277.3	237.7	14.9	0	1241.1	44.5	4.1	4.1			2.5	2.5	
23	1241.8	48.7	5.7	1.6	1280.3	230.1	12.3	9.1	1241.1	44.5	4.0	4.0			2.5	2.5	
24	1242.7	52.1	4.6	2.9	1280.0	241.1	12.4	10.8	1241.1	44.5	4.0	4.0			2.4	2.4	
25	1243.1	50.4	3.9	1.2	1280.9	247.0	12.4	10.8	1241.1	44.5	4.0	4.0			2.4	2.4	
26	1242.7	49.6	3.2	2.2	1281.1	248.4	11.5	10.8	1241.1	44.5	4.0	4.0			2.4	2.4	
27	1242.7	48.3	2.9	2.2	1281.0	247.7	10.5	10.8	1241.1	44.5	4.0	4.0			2.4	2.4	
28	1243.7	33.1	5.5	0	1280.7	245.7	9.8	10.8	1241.1	44.5	4.0	4.0			2.4	2.4	
29					1280.0	241.1	12.1	14.4	1241.1	44.5	4.2	4.2			2.4	2.4	
30					1288.9	302.5	4.7	16.6	1241.1	44.5	3.9	3.9			2.3	2.3	
31					1288.9	307.7	1.9	16.6	1241.1	44.5	3.9	3.9			2.3	2.3	
TOTAL		295.9	423.4			315.9	177.5			191.3	346.4			85.9	85.9		
Inf. Ac. Ft.		535.9				626.6				379.4				172.4	3003.6		
Outf. Ac. Ft.			839.8				352.1				687.1			172.4	3118.2		
Maximum Mean Daily Inflow		126.7				47.5				14.9				3.8	201.3		

SANTA ANITA (Cont'd)

7401384-688 Q1 7-55

DAM OPERATION RECORD																	
LOS ANGELES COUNTY																	
FLOOD CONTROL DISTRICT																	
HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of <u>SANTA ANITA</u> Dam																	
In <u>Santa Anita Canyon</u> for the Year Ending <u>September 30, 1954</u>																	
Continuous Water Stage Recorder <u>AU</u>																	
Drainage Area <u>10.8</u> Square Miles. Capacity of Reservoir <u>564.4</u> Ac. Ft. at Spillway Elev. <u>1330.0</u> Ft. as of <u>July</u> 19 <u>54</u> Survey <u>Gage Heights</u> read daily																	
Day	June				July				August				September				Day
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1			2.3	2.3		2.8	1.8	1.0	1219.5	278.2	1.0	1.0	1206.7	10.5	0.7	1.0	1
2			2.3	2.3		4.4	1.8	1.0	1219.4	28.1	1.0	1.0	1206.1	10.0	0.7	1.0	2
3			2.3	2.3		5.4	1.5	1.0	1219.3	27.9	0.9	1.0	1205.5	9.4	0.7	1.0	3
4			2.3	2.3		6.2	1.4	1.0	1219.2	27.7	0.9	1.0	1204.8	8.8	0.7	1.0	4
5			2.3	2.3	1202.1	6.6	1.2	1.0	1219.1	27.5	0.9	1.0	1204.0	8.1	0.6	0.9	5
6			2.3	2.3	1204.0	9.9	1.2	0.9	1219.0	27.4	0.9	1.0	1203.3	7.5	0.6	0.9	6
7			2.3	2.3	1207.9	11.8	1.2	0.2	1218.9	27.2	0.9	1.1	1202.5	6.9	0.6	0.9	7
8			2.3	2.3	1210.1	14.3	1.2	0.2	1218.7	26.9	0.9	1.0	1201.7	6.3	0.6	0.9	8
9			2.3	2.3	1211.6	16.2	1.2	0.2	1218.6	26.7	0.9	1.0	1200.8	5.7	0.6	0.9	9
10			2.3	2.3	1212.7	17.7	1.2	0.2	1218.2	26.0	0.9	1.0	1199.8	5.1	0.6	0.9	10
11			2.3	2.3	1213.3	18.5	1.2	0.2	1217.7	25.2	0.9	1.3	1198.8	4.4	0.6	0.9	11
12			2.3	2.3	1213.8	19.2	1.2	0.1	1217.2	24.4	0.9	1.3	1197.8	3.9	0.6	0.9	12
13			2.3	2.3	1214.8	20.7	1.2	0	1216.7	23.6	0.9	1.3	1196.8	3.4	0.6	0.9	13
14			2.2	2.2	1216.0	22.5	1.2	0	1216.2	22.8	0.9	1.3	1196.9	3.4	0.6	0.6	14
15			2.2	2.2	1216.7	23.5	1.2	0.4	1215.7	22.0	0.9	1.3	1197.5	3.7	0.6	0.6	15
16			2.2	2.2	1217.6	25.1	1.2	0.4	1215.2	21.3	0.9	1.1	1197.5	3.7	0.6	0.6	16
17			2.2	2.2	1218.3	26.2	1.2	0.9	1214.7	20.5	0.8	1.2	1197.5	3.7	0.6	0.6	17
18			2.2	2.2	1219.0	27.4	1.2	0.9	1214.2	19.8	0.8	1.2	1196.5	3.2	0.6	0.7	18
19			2.2	2.2	1219.7	28.6	1.2	0.9	1213.7	19.1	0.8	1.2	1196.5	3.2	0.6	0.7	19
20			2.2	2.2	1220.2	29.5	1.2	0.9	1213.2	18.4	0.8	1.2	1196.5	3.2	0.6	0.6	20
21			2.2	2.2	1220.2	29.5	1.2	1.1	1212.7	17.7	0.8	1.2	1196.5	3.2	0.6	0.6	21
22			2.2	2.2	1220.1	29.3	1.2	1.2	1212.2	17.0	0.8	1.2	1196.5	3.2	0.6	0.6	22
23			2.2	2.2	1220.2	29.5	1.1	1.2	1211.7	16.3	0.8	1.2	1196.5	3.2	0.6	0.6	23
24			2.2	2.2	1220.2	29.5	1.1	1.2	1211.2	15.7	0.9	1.2	1196.5	3.2	0.6	0.6	24
25			2.1	2.1	1220.1	29.3	1.1	1.2	1210.7	15.0	0.9	1.2	1196.5	3.2	0.6	0.6	25
26			2.1	2.1	1220.1	29.3	1.1	1.2	1210.2	14.4	0.9	1.2	1196.5	3.2	0.7	0.7	26
27			2.0	2.0	1220.0	29.1	1.1	1.2	1209.7	13.8	0.9	1.2	1196.5	3.2	0.7	0.7	27
28			1.9	1.9	1220.0	29.4	1.1	1.2	1209.1	13.1	0.9	1.2	1196.5	3.2	0.7	0.7	28
29			1.9	1.9	1219.9	28.9	1.1	1.2	1208.4	12.3	0.8	1.1	1198.0	4.0	0.8	0.7	29
30			1.2	1.9	1219.8	28.8	1.1	1.2	1207.9	11.8	0.8	1.1	1200.3	5.4	0.8	0.1	30
31					1219.7	28.6	1.1	1.2	1207.3	11.1	0.7	1.1					31
TOTAL			66.1	65.5		338.3	24.5				27.0	35.8			19.1	22.0	
Inf. Ac. Ft.			131.1			76.0					53.6				37.9	3302.2	
Outf. Ac. Ft.				129.9			48.6					71.0			43.6	3412.0	
Balance			2.3			1.8					1.0				0.8	201.3	
Mean Daily Inflow			1.9			1.1					0.7				0.6	0.4	
Mean Daily Outflow				1.9			1.1					0.7			0.6	0.4	
Storage Change			+1.2			+27.4					-17.5				-5.7	-109.9	

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DAM OPERATION RECORD																	
LOS ANGELES COUNTY																	
FLOOD CONTROL DISTRICT																	
HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of <u>SANTA ANITA</u> Dam																	
In <u>Santa Anita Canyon</u> for the Year Ending <u>September 30, 1955</u>																	
Continuous Water Stage Recorder <u>AU</u>																	
Drainage Area <u>10.8</u> Square Miles. Capacity of Reservoir <u>564.4</u> Ac. Ft. at Spillway Elev. <u>1316.0</u> Ft. as of <u>July</u> 19 <u>54</u> Survey <u>Gage Heights</u> read daily																	
Day	October				November				December				January				Day
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1201.8	5.4	0.5	0	1223.4	35.3	0.5	0	1249.4	101.5	1.1	0	1236.0	123.2	3.4	1.5	1
2	1203.2	7.4	0.5	0	1223.9	34.2	0.5	0	1250.0	103.4	0.9	0	1236.8	122.5	1.1	1.5	2
3	1204.5	9.5	0.5	0	1224.4	37.2	0.5	0	1253.8	115.7	6.2	0	1235.7	122.2	1.4	1.5	3
4	1205.7	9.6	0.5	0	1225.0	38.4	0.5	0	1254.3	117.4	0.9	0	1235.5	121.5	1.1	1.5	4
5	1205.7	10.5	0.5	0	1225.5	39.4	0.5	0	1254.8	119.1	0.8	0	1235.3	120.8	1.2	1.5	5
6	1207.6	11.5	0.5	0	1225.9	40.2	0.5	0	1255.3	120.8	0.9	0	1235.6	121.8	2.0	1.5	6
7	1208.5	12.4	0.5	0	1226.4	41.2	0.5	0	1255.9	122.9	1.0	0	1235.6	121.8	1.5	1.5	7
8	1209.4	13.5	0.5	0	1226.9	42.3	0.5	0	1256.4	124.6	0.9	0	1235.6	121.8	1.5	1.5	8
9	1210.3	14.6	0.5	0	1227.3	43.1	0.5	0	1257.1	127.1	1.3	0	1235.6	121.8	1.5	1.5	9
10	1211.8	15.4	0.5	0	1227.6	44.2	0.5	0	1257.9	129.9	1.4	0	1235.5	122.2	9.5	3.3	10
11	1212.5	17.4	0.5	0	1229.4	72.7	1.4	0	1258.4	131.8	0.9	0	1239.4	131.8	5.1	5.3	11
12	1213.2	19.4	0.5	0	1239.5	72.7	0.5	0	1259.1	134.4	1.3	0	1237.8	129.6	4.1	5.2	12
13	1213.8	19.2	0.5	0	1239.8	73.0	0.5	0	1259.7	135.7	1.2	0	1236.2	126.0	3.4	5.2	13
14	1214.5	20.2	0.5	0	1239.8	73.6	0.5	0	1259.9	137.4	1.0	0.6	1235.7	122.2	3.2	5.1	14
15	1215.1	21.2	0.5	0	1240.0	74.3	0.5	0	1259.7	136.7	1.1	1.5	1234.5	118.1	2.9	5.0	15
16	1215.7	22.0	0.5	0	1240.4	75.4	0.4	0	1259.4	135.5	0.9	1.5	1235.4	121.2	6.6	5.0	16
17	1215.7	22.0	0.5	0	1240.8	76.5	0.4	0	1259.1	134.4	0.9	1.5	1235.0	113.1	4.4	8.5	17
18	1215.3	23.0	0.5	0	1241.2	77.6	0.4	0	1258.9	133.6	1.1	1.5	1235.7	136.7	17.9	6.0	18
19	1216.9	23.9	0.5	0	1241.8	79.2	0.4	0	1258.6	132.5	1.0	1.5	1260.2	139.6	11.0	10.1	19
20	1217.4	24.7	0.5	0	1242.3	80.6	0.4	0	1258.3	131.4	0.9	1.5	1255.8	122.5	9.0	16.1	20
21	1218.0	25.7	0.4	0	1242.8	82.0	0.7	0	1258.0	130.3	1.0	1.5	1233.3	114.1	6.2	10.4	21
22	1218.5	26.6	0.4	0	1243.3	83.8	1.0	0	1257.7	129.2	0.9	1.5	1236.1	123.6	4.8	0	22
23	1219.0	27.4	0.4	0	1244.1	85.8	1.0	0	1257.4	128.1	1.0	1.5	1238.4	131.8	4.1	0	23
24	1219.5	28.2	0.4	0	1244.7	85.8	1.0	0	1257.1	127.1	1.0	1.5	1240.3	138.9	3.6	0	24
25	1220.0	29.1	0.4	0	1245.3	87.5	0.8	0	1256.8	126.0	0.9	1.5	1262.0	145.6	3.4	0	25
26	1220.4	29.8	0.4	0	1246.0	89.3	0.9	0	1256.5	125.0	1.0	1.5	1263.6	132.6	3.4	0	26
27	1220.9	30.7	0.4	0	1246.7	93.4	1.0	0	1256.2	123.9	1.0	1.5	1265.0	138.6	3.1	0	27
28	1221.4	31.6	0.4	0	1247.4	95.5	1.1	0	1255.9	122.9	1.0	1.5	1266.4	165.2	3.3	0	28
29	1221.9	32.5	0.4	0	1248.0	97.3	0.9	0	1255.6	121.8	1.0	1.5	1267.7	171.7	3.3	0	29
30	1222.4	33.4	0.5	0	1248.7	99.4	1.0	0	1255.2	120.5	0.8	1.5	1269.0	178.4	3.4	0	30
31	1222.9	34.3	0.5	0					1254.9	119.5	1.0	1.5	1270.2	184.9	3.3	0	31
TOTAL			14.6	0		32.8	0				36.3	26.1			131.7	98.7	
Inf. Ac. Ft.			29.0			65.1					72.0				261.2	427.3	
Outf. Ac. Ft.				0			0					51.8			195.8	247.6	
Balance			0.5			14.4					6.2				17.9	17.9	
Mean Daily Inflow			0.4			0.4					0.8				1.1	0.4	

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DAM OPERATION RECORD																	
LOS ANGELES COUNTY																	
FLOOD CONTROL DISTRICT																	
HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of <u>SANTA ANITA</u> Dam																	
In <u>Santa Anita Canyon</u> for the Year Ending September 30, 19 <u>55</u>																	
Continuous Water Stage Recorder <u>Au</u>																	
Drainage Area <u>10.8</u> Square Miles. Capacity of Reservoir <u>524.4</u> Ac. Ft. at Spillway Elev. <u>1316.0</u> Ft. as of <u>July</u> 19 <u>54</u> Survey Gage Heights <u>read daily</u>																	
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	1257.2	159.1	3.1	10.1	1266.9	167.6	3.2	2.4	1255.0	130.3	2.5	2.3			11.0	11.0	1
2	1252.6	146.9	3.1	12.1	1267.1	165.6	2.9	2.4	1255.1	130.7	2.5	2.3			10.7	10.7	2
3	1254.6	145.4	3.1	17.2	1267.3	169.6	2.9	2.4	1255.2	131.0	2.5	2.3			10.5	10.5	3
4	1252.4	141.1	3.1	1.9	1267.5	170.6	2.9	2.4	1255.3	131.4	2.4	2.3			10.4	10.4	4
5	1253.2	144.4	3.0	0	1267.7	171.7	2.9	2.4	1255.3	131.4	2.4	2.3			10.4	10.4	5
6	1255.1	120.1	2.6	0	1267.9	172.7	2.9	2.4	1255.3	131.4	2.2	2.3			10.3	10.3	6
7	1256.7	125.6	2.8	0	1268.1	173.7	2.9	2.4	1255.3	131.4	2.2	2.3			10.2	10.2	7
8	1259.0	130.3	2.4	0	1268.2	174.2	2.7	2.4	1255.2	131.0	2.2	2.3			10.3	10.3	8
9	1259.3	135.1	2.4	0	1268.2	174.2	2.4	2.4	1255.1	130.7	2.2	2.3			10.3	10.3	9
10	1260.4	139.2	2.1	0	1268.4	175.3	2.9	2.4	1255.0	130.3	2.2	2.4			10.3	10.3	10
11	1261.5	143.6	2.2	0	1269.5	181.1	3.4	2.4	1257.9	129.9	2.0	2.4			10.4	10.4	11
12	1262.5	147.7	2.0	0	1269.7	182.7	3.2	2.4	1257.7	129.2	2.0	2.4			10.4	10.4	12
13	1263.4	151.5	2.0	0	1270.1	184.4	3.2	2.4	1257.4	128.1	2.0	2.4			10.4	10.4	13
14	1264.0	154.1	1.9	0	1270.5	186.4	3.5	2.4	1257.1	127.1	2.0	2.4			10.4	10.4	14
15	1264.4	155.9	2.0	1.1	1270.5	188.3	3.2	2.4	1256.9	126.4	2.0	2.4			10.4	10.4	15
16	1264.7	157.2	2.2	1.1	1269.2	184.2	2.7	2.3	1256.5	125.0	1.8	2.4			10.4	10.4	16
17	1265.1	159.1	3.0	1.2	1265.9	183.3	2.6	2.2	1256.4	123.9	1.8	2.4			10.4	10.4	17
18	1265.3	160.0	2.7	2.4	1264.9	180.9	3.9	13.8	1254.8	98.8	1.8	14.5			10.3	10.3	18
19	1265.4	160.4	2.7	2.5	1263.2	110.5	3.7	0	12530.5	50.2	1.8	26.3			10.2	10.2	19
20	1265.5	160.9	2.8	2.5	1264.3	117.4	3.4	0	1212.3	17.1	1.8	18.5			10.2	10.2	20
21	1265.6	161.4	2.4	2.4	1265.3	120.6	3.2	1.4			2.1	10.7			10.2	10.2	21
22	1265.6	161.4	2.4	2.4	1265.6	122.6	3.0	2.2			3.4	3.4			10.2	10.2	22
23	1265.6	161.4	2.4	2.4	1265.6	124.6	3.1	2.2			3.7	3.7			10.2	10.2	23
24	1265.6	161.4	2.4	2.4	1265.6	126.6	3.2	2.2			3.7	3.7			10.2	10.2	24
25	1265.6	160.9	2.4	2.4	1265.6	128.6	3.2	2.2			3.7	3.7			10.2	10.2	25
26	1265.6	160.9	2.4	2.4	1265.6	130.6	3.2	2.2			3.7	3.7			10.2	10.2	26
27	1265.6	160.9	2.4	2.4	1265.6	132.6	3.2	2.2			3.7	3.7			10.2	10.2	27
28	1265.6	160.9	2.4	2.4	1265.6	134.6	3.2	2.2			3.7	3.7			10.2	10.2	28
29	1265.6	160.9	2.4	2.4	1265.6	136.6	3.2	2.2			3.7	3.7			10.2	10.2	29
30	1265.6	160.9	2.4	2.4	1265.6	138.6	3.2	2.2			3.7	3.7			10.2	10.2	30
31	1265.6	160.9	2.4	2.4	1265.6	140.6	3.2	2.2			3.7	3.7			10.2	10.2	31
TOTAL		73.2	52.7			102.1	120.4			70.7	145.2			15.1	15.1		
Infl. Ac. Ft.		45.8				202.5				158.1				23.3		1161.4	
Outfl. Ac. Ft.			154.0				239.8				239.0					1165.7	
Maximum		4.6				7.3				14.0				22.3		116.7	
Min. Daily Inflow		1.9				2.4				1.8				2.1		0.4	
Min. Daily Outflow																	
Storage Change		-1.3				-3.2				-1.8				0		-5.4	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1270.5	feet	on	1-31-55	Storage	187.	Acres Feet		
Min. W. S. Elev.	1183.4	feet	on	AFTER 4-21-55	Storage	0	Acres Feet		
Max. Peak Inf.	173.	C.F.S. from	6:00 AM	on	11-11-54	to	7:00 AM	on	11-11-54
Max. Peak Outf.	32.	C.F.S. from	9:00 AM	on	3-16-55	to	11:00 AM	on	3-16-55

REMARKS: INDICATES AVERAGE FOR PERIOD

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DAM OPERATION RECORD																	
LOS ANGELES COUNTY																	
FLOOD CONTROL DISTRICT																	
HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of <u>SANTA ANITA</u> Dam																	
In <u>Santa Anita Canyon</u> for the Year Ending September 30, 19 <u>55</u>																	
Continuous Water Stage Recorder <u>Au</u>																	
Drainage Area <u>10.8</u> Square Miles. Capacity of Reservoir <u>524.4</u> Ac. Ft. at Spillway Elev. <u>1316.0</u> Ft. as of <u>July</u> 19 <u>54</u> Survey Gage Heights <u>read daily</u>																	
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			2.1	2.1			1.6	1.6			0.9	0.9			0.7	0.7	1
2			2.0	2.0			1.5	1.5			0.9	0.9			0.7	0.7	2
3			2.0	2.0			1.5	1.5			0.9	0.9			0.6	0.6	3
4			2.0	2.0			1.4	1.4			1.2	1.2			0.5	0.5	4
5			2.0	2.0			1.4	1.4			1.0	1.0			0.4	0.4	5
6			2.0	2.0			1.3	1.3			1.0	1.0			0.4	0.4	6
7			2.0	2.0			1.3	1.3			1.0	1.0			0.3	0.3	7
8			2.0	2.0			1.3	1.3			1.0	1.0			0.3	0.3	8
9			2.0	2.0			1.3	1.3			1.0	1.0			0.3	0.3	9
10			2.0	2.0			1.3	1.3			1.0	1.0			0.3	0.3	10
11			2.0	2.0			1.2	1.2			1.0	1.0			0.3	0.3	11
12			1.9	1.9			1.2	1.2			1.0	1.0			0.4	0.4	12
13			1.9	1.9			1.2	1.2			1.0	1.0			0.4	0.4	13
14			1.8	1.8			1.2	1.2			1.0	1.0			0.4	0.4	14
15			1.8	1.8			1.2	1.2			1.0	1.0			0.4	0.4	15
16			1.8	1.8			1.2	1.2			1.0	1.0			0.4	0.4	16
17			1.8	1.8			1.2	1.2			1.0	1.0			0.4	0.4	17
18			1.8	1.8			1.2	1.2			1.0	1.0			0.5	0.5	18
19			1.8	1.8			1.2	1.2			1.0	1.0			0.5	0.5	19
20			1.7	1.7			1.2	1.2			0.9	0.9			0.6	0.6	20
21			1.7	1.7			1.2	1.2			0.9	0.9			0.6	0.6	21
22			1.7	1.7			1.2	1.2			0.9	0.9			0.6	0.6	22
23			1.7	1.7			1.2	1.2			0.9	0.9			0.6	0.6	23
24			1.7	1.7			1.1	1.1			0.8	0.8			0.6	0.6	24
25			1.7	1.7			1.1	1.1			0.8	0.8			0.6	0.6	25
26			1.7	1.7			1.0	1.0			0.8	0.8			0.6	0.6	26
27			1.6	1.6			1.0	1.0			0.8	0.8			0.6	0.6	27
28			1.6	1.6			1.0	1.0			0.8	0.8			0.6	0.6	28
29			1.6	1.6			1.0	1.0			0.7	0.7			0.6	0.6	29
30			1.6	1.6			1.0	1.0			0.7	0.7			0.6	0.6	30
31							1.0	1.0			0.7	0.7			0.6	0.6	31
TOTAL			55.0	55.0			37.7	37.7			28.7	28.7			14.8	14.8	
Infl. Ac. Ft.			109.1				74.8				56.9				29.4		1431.6
Outfl. Ac. Ft.				109.1				74.8				56.9					1436.9
Maximum			2.1				1.6				1.2			0.7			17.9
Min. Daily Inflow			1.6				1.0				0.7			0.6			0.4
Min. Daily Outflow																	
Storage Change			0				0				0			0			-5.4

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1270.5	feet	on	1-31-55	Storage	187.	Acres Feet		
Min. W. S. Elev.	1183.4	feet	on	AFTER 4-21-55	Storage	0	Acres Feet		
Max. Peak Inf.	173.	C.F.S. from	6:00 AM	on	11-11-54	to	7:00 AM	on	11-11-54
Max. Peak Outf.	32.	C.F.S. from	9:00 AM	on	3-16-55	to	11:00 AM	on	3-16-55

REMARKS:



SAWPIT

76D138N-68B Gb 7-55

DAM OPERATION RECORD																	
LOS ANGELES COUNTY																	
FLOOD CONTROL DISTRICT																	
HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of <u>SAWPIT</u> Dam																	
In <u>Sawpit Canyon</u> for the Year Ending September 30, 19 <u>54</u>																	
Continuous Water Stage Recorder... <u>Au</u>																	
Drainage Area <u>3.3</u> Square Miles. Capacity of Reservoir <u>321.8</u> Ac. Ft. at Spillway Elev. <u>1360.0</u> Ft. as of <u>December</u> 19 <u>53</u> Survey <u>Gage Heights</u> Read <u>Daily</u>																	
Day	October				November				December				January				Day
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1307.6	57.2	0	0	1307.2	55.8	0	0	1306.9	55.1	0	0	1306.5	54.1	0	0	1
2	1307.8	57.2	0	0	1307.2	55.8	0	0	1306.9	55.1	0	0	1306.5	54.1	0	0	2
3	1307.7	57.0	0	0	1307.2	55.8	0	0	1306.9	55.1	0	0	1306.5	54.1	0	0	3
4	1307.7	57.0	0	0	1307.2	55.8	0	0	1306.9	55.1	0	0	1306.5	54.1	0	0	4
5	1307.7	57.0	0	0	1307.2	55.8	0	0	1306.9	55.1	0	0	1306.5	54.1	0	0	5
6	1307.7	57.0	0	0	1307.2	55.8	0	0	1306.9	55.1	0	0	1306.5	54.1	0	0	6
7	1307.6	56.7	0	0	1307.1	55.5	0	0	1306.9	55.1	0	0	1306.5	54.1	0	0	7
8	1307.6	56.7	0	0	1307.1	55.5	0	0	1306.9	55.1	0	0	1306.5	54.1	0	0	8
9	1307.6	56.7	0	0	1307.1	55.5	0	0	1306.9	55.1	0	0	1306.5	54.1	0	0	9
10	1307.6	56.7	0	0	1307.1	55.5	0	0	1306.9	55.1	0	0	1306.5	54.1	0	0	10
11	1307.6	56.7	0	0	1307.1	55.5	0	0	1306.9	55.1	0	0	1306.5	54.1	0	0	11
12	1307.6	56.7	0	0	1307.1	55.5	0	0	1306.9	55.1	0	0	1306.6	54.3	0.1	0	12
13	1307.6	56.7	0	0	1307.1	55.5	0	0	1306.8	54.8	0	0	1306.6	54.3	0	0	13
14	1307.5	56.5	0	0	1307.1	55.5	0	0	1306.8	54.8	0	0	1306.6	54.3	0	0	14
15	1307.5	56.5	0	0	1307.1	55.5	0	0	1306.8	54.8	0	0	1306.6	54.3	0	0	15
16	1307.5	56.5	0	0	1307.1	55.5	0	0	1306.8	54.8	0	0	1306.5	54.1	0	0	16
17	1307.5	56.5	0	0	1307.1	55.5	0	0	1306.8	54.8	0	0	1306.5	54.1	0	0	17
18	1307.5	56.5	0	0	1307.1	55.5	0	0	1306.8	54.8	0	0	1306.6	54.3	0.1	0	18
19	1307.4	56.3	0	0	1307.1	55.5	0	0	1306.8	54.8	0	0	1310.2	42.9	10.8	6.3	19
20	1307.4	56.3	0	0	1307.1	55.5	0	0	1306.8	54.8	0	0	1310.0	42.4	0.7	1.0	20
21	1307.4	56.3	0	0	1307.0	55.3	0	0	1306.7	54.6	0	0	1310.0	42.4	0.2	0.2	21
22	1307.4	56.3	0	0	1307.0	55.3	0	0	1306.7	54.6	0	0	1310.0	42.4	0.2	0.2	22
23	1307.3	56.0	0	0	1307.0	55.3	0	0	1306.7	54.6	0	0	1310.0	42.4	0.2	0.2	23
24	1307.3	56.0	0	0	1307.0	55.3	0	0	1306.7	54.6	0	0	1311.4	53.6	12.8	7.1	24
25	1307.3	56.0	0	0	1307.0	55.3	0	0	1306.7	54.6	0	0	1310.3	43.1	13.9	17.2	25
26	1307.3	56.0	0	0	1307.0	55.3	0	0	1306.6	54.3	0	0	1310.2	42.9	2.1	2.2	26
27	1307.3	56.0	0	0	1307.0	55.3	0	0	1306.6	54.3	0	0	1310.1	42.6	1.2	1.3	27
28	1307.2	55.8	0	0	1307.0	55.3	0	0	1306.6	54.3	0	0	1310.1	42.6	0.9	0.9	28
29	1307.2	55.8	0	0	1306.9	55.1	0	0	1306.6	54.3	0	0	1310.1	42.6	0.8	0.8	29
30	1307.2	55.8	0	0	1306.9	55.1	0	0	1306.6	54.3	0	0	1310.1	42.6	0.8	0.8	30
31	1307.2	55.8	0	0	1306.9	55.1	0	0	1306.5	54.1	0	0	1310.0	42.4	0.7	0.8	31
TOTAL							0.1	0							45.5	41.0 (2)	
Inf. Ac. Ft.							0.2	0							90.2	90.4	
Outf. Ac. Ft.							0	0							0	0	
Mean Daily Inflow							0.2	0							0.4	0.2	
Mean Daily Inflow							0	0							1.9	1.9	
Mean Daily Inflow							0	0							0	0	
Mean Daily Inflow							0	0							0	0	
Storage Change							-1.4	0							-1.7	0	
NOTE: Gage Heights and Storage as of Midnight on Day Shown																	
RECORDS COLLECTED BY																	
F. D. KELLY Dam Tender																	
F. E. STUNDEN Hydrographer																	
COMPUTATIONS																	
Gage Hts. copied JHL HRW																	
Storage applied JHL HRW																	
Inf. & Outf. comp. JHL HRW																	
REMARKS ( ) INDICATES EVAPORATION LOSSES																	
* LOSS IN STORAGE DUE TO SILTATION OF RESERVOIR SINCE LAST SURVEY																	

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DAM OPERATION RECORD																	
LOS ANGELES COUNTY																	
FLOOD CONTROL DISTRICT																	
HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of <u>SAWPIT</u> Dam																	
In <u>Sawpit Canyon</u> for the Year Ending September 30, 19 <u>54</u>																	
Continuous Water Stage Recorder... <u>Au</u>																	
Drainage Area <u>3.3</u> Square Miles. Capacity of Reservoir <u>304.0</u> Ac. Ft. at Spillway Elev. <u>1360.0</u> Ft. as of <u>February</u> 19 <u>54</u> Survey <u>Gage Heights</u> Read <u>daily</u>																	
Day	February				March				April				May				Day
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1310.0	42.4	0.7	0.7	1310.0	42.4	0.2	0.2	1310.2	42.9	2.5	2.5	1310.0	42.4	0.1	0.1	1
2	1310.0	42.4	0.6	0.6	1310.0	42.4	0.2	0.2	1310.1	42.6	2.0	2.2	1310.0	42.4	0.1	0.1	2
3	1310.0	42.4	0.6	0.6	1310.0	42.4	0.2	0.2	1310.1	42.6	1.9	1.9	1310.0	42.4	0.2	0.2	3
4	1310.0	42.4	0.5	0.5	1310.0	42.4	0.2	0.2	1310.1	42.6	1.6	1.6	1310.0	42.4	0.2	0.2	4
5	1310.0	42.4	0.5	0.5	1310.0	42.4	0.2	0.2	1310.1	42.6	1.5	1.5	1310.0	42.4	0.2	0.2	5
6	1310.0	42.4	0.6	0.5	1310.0	42.4	0.2	0.2	1310.1	42.6	1.5	1.5	1310.0	42.4	0.2	0.2	6
7	1310.0	42.4	0.5	0.5	1310.0	42.4	0.2	0.2	1310.1	42.6	1.2	1.2	1310.0	42.4	0.1	0.1	7
8	1310.0	42.4	0.4	0.4	1310.0	42.4	0.2	0.2	1310.0	42.4	0.7	0.7	1310.0	42.4	0.1	0.1	8
9	1310.0	42.4	0.3	0.3	1310.0	42.4	0.1	0.1	1310.0	42.4	0.7	0.7	1310.0	42.4	0.1	0.1	9
10	1310.0	42.4	0.3	0.3	1310.0	42.4	0.1	0.1	1310.0	42.4	0.7	0.7	1310.0	42.4	0.1	0.1	10
11	1310.0	42.4	0.2	0.2	1310.0	42.4	0.1	0.1	1310.0	42.4	0.6	0.6	1310.0	42.4	0.1	0.1	11
12	1310.0	42.4	0.2	0.2	1310.0	42.4	0.1	0.1	1310.0	42.4	0.6	0.6	1310.0	42.4	0.1	0.1	12
13	1311.0	44.7	11.1	9.9	1310.0	42.4	0.1	0.1	1310.0	42.4	0.5	0.5	1310.0	42.4	0.1	0.1	13
14	1310.0	42.4	0.3	0.3	1310.0	42.4	0.1	0.1	1310.0	42.4	0.4	0.4	1310.0	42.4	0.1	0.1	14
15	1310.2	43.9	2.3	2.4	1310.0	42.4	0.1	0.1	1310.0	42.4	0.3	0.3	1310.0	42.4	0.2	0.2	15
16	1310.2	43.9	1.6	1.6	1310.0	42.4	1.9	1.9	1310.0	42.4	0.3	0.3	1310.0	42.4	0.2	0.2	16
17	1310.1	42.6	1.4	1.5	1310.0	42.4	0.4	0.3	1310.0	42.4	0.2	0.2	1310.0	42.4	0.1	0.1	17
18	1310.1	42.6	1.2	1.2	1310.0	42.4	0.2	0.2	1310.0	42.4	0.2	0.2	1310.0	42.4	0.1	0.1	18
19	1310.1	42.6	0.7	0.7	1310.0	42.4	0.4	0.4	1310.0	42.4	0.2	0.2	1310.0	42.4	0.1	0.1	19
20	1310.1	42.6	0.7	0.7	1310.0	42.4	1.4	1.3	1310.0	42.4	0.2	0.2	1310.0	42.4	0.1	0.1	20
21	1310.1	42.6	0.5	0.5	1310.1	42.6	1.2	1.2	1310.0	42.4	0.2	0.2	1310.0	42.4	0.1	0.1	21
22	1310.0	42.4	0.4	0.4	1310.1	42.6	1.6	1.6	1310.0	42.4	0.2	0.2	1310.0	42.4	0.1	0.1	22
23	1310.0	42.4	0.3	0.3	1310.1	42.6	1.6	1.6	1310.0	42.4	0.2	0.2	1310.0	42.4	0.1	0.1	23
24	1310.0	42.4	0.3	0.3	1310.0	42.4	2.2	1.6	1310.0	42.4	0.2	0.2	1310.0	42.4	0.1	0.1	24
25	1310.0	42.4	0.2	0.2	1310.1	42.6	1.7	2.1	1310.0	42.4	0.2	0.2	1310.0	42.4	0.1	0.1	25
26	1310.0	42.4	0.2	0.2	1310.1	42.6	1.4	1.4	1310.0	42.4	0.2	0.2	1310.0	42.4	0.1	0.1	26
27	1310.0	42.4	0.2	0.2	1310.1	42.6	1.0	1.0	1310.0	42.4	0.2	0.2	1310.0	42.4	0.2	0.2	27
28	1310.0	42.4	0.2	0.2	1310.1	42.6	1.0	1.0	1310.0	42.4	0.2	0.2	1310.0	42.4	0.1	0.1	28
29	1310.0	42.4	0.2	0.2	1310.0	42.4	1.8	1.4	1310.0	42.4	0.2	0.2	1310.0	42.4	0.1	0.1	29
30	1310.0	42.4	0.2	0.2	1310.0	42.4	6.4	6.5	1310.0	42.4	0.1	0.1	1310.0	42.4	0.1	0.1	30
31	1310.0	42.4	0.2	0.2	1310.0	42.4	3.0	3.1	1310.0	42.4	0.1	0.1	1310.0	42.4	0.1	0.1	31
TOTAL			32.8	32.7			29.5	29.1			19.5	19.7			3.8	3.7	
Inf. Ac. Ft.			55.1				58.5				38.7						

DAM OPERATION RECORD																	
LOS ANGELES COUNTY																	
FLOOD CONTROL DISTRICT																	
HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of <u>SAMPIT</u> Dam																	
In <u>Sawpit Canyon</u> for the Year Ending September 30, 19 <u>54</u>																	
Continuous Water Stage Recorder <u>AU</u>																	
Drainage Area <u>3.3</u> Square Miles Capacity of Reservoir <u>304.9</u> Ac. Ft. at Spillway Elev. <u>1360.0</u> Ft. as of <u>February</u> 19 <u>54</u> Survey <u>Gage Heights</u> Read <u>daily</u>																	
Day	June				July				August				September				Day
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1310.0	42.4	0.1	0.1	1310.0	42.4	0.05	0.05	1310.0	42.4	0.04	0.03	1310.0	42.4	0.05	0.05	1
2	1310.0	42.4	0.1	0.1	1310.0	42.4	0.05	0.05	1310.0	42.4	0.04	0.03	1310.0	42.4	0.05	0.05	2
3	1310.0	42.4	0.1	0.1	1310.0	42.4	0.05	0.05	1310.0	42.4	0.04	0.03	1310.0	42.4	0.05	0.05	3
4	1310.0	42.4	0.1	0.1	1310.0	42.4	0.05	0.05	1310.0	42.4	0.04	0.03	1310.0	42.4	0.05	0.05	4
5	1310.0	42.4	0.1	0.1	1310.0	42.4	0.05	0.05	1310.0	42.4	0.04	0.04	1310.0	42.4	0.05	0.05	5
6	1310.0	42.4	0.1	0.1	1310.0	42.4	0.05	0.05	1310.0	42.4	0.04	0.04	1310.0	42.4	0.05	0.05	6
7	1310.0	42.4	0.1	0.1	1310.0	42.4	0.05	0.05	1310.0	42.4	0.04	0.04	1310.0	42.4	0.05	0.05	7
8	1310.0	42.4	0.1	0.1	1310.0	42.4	0.05	0.05	1310.0	42.4	0.04	0.04	1310.0	42.4	0.05	0.05	8
9	1310.0	42.4	0.2	0.2	1310.0	42.4	0.05	0.05	1310.0	42.4	0.04	0.04	1310.0	42.4	0.05	0.05	9
10	1310.0	42.4	0.1	0.1	1310.0	42.4	0.05	0.05	1310.0	42.4	0.05	0.04	1310.0	42.4	0.05	0.05	10
11	1310.0	42.4	0.1	0.1	1310.0	42.4	0.05	0.05	1310.0	42.4	0.05	0.04	1310.0	42.4	0.05	0.05	11
12	1310.0	42.4	0.1	0.1	1310.0	42.4	0.05	0.04	1310.0	42.4	0.05	0.04	1310.0	42.4	0.05	0.05	12
13	1310.0	42.4	0.1	0.1	1310.0	42.4	0.04	0.04	1310.0	42.4	0.05	0.04	1310.0	42.4	0.05	0.05	13
14	1310.0	42.4	0.1	0.1	1310.0	42.4	0.04	0.04	1310.0	42.4	0.05	0.04	1310.0	42.4	0.05	0.05	14
15	1310.0	42.4	0.1	0.05	1310.0	42.4	0.04	0.04	1310.0	42.4	0.05	0.04	1310.0	42.4	0.05	0.05	15
16	1310.0	42.4	0.1	0.05	1310.0	42.4	0.04	0.04	1310.0	42.4	0.05	0.05	1310.0	42.4	0.05	0.05	16
17	1310.0	42.4	0.05	0.05	1310.0	42.4	0.04	0.04	1310.0	42.4	0.05	0.05	1310.0	42.4	0.05	0.05	17
18	1310.0	42.4	0.05	0.05	1310.0	42.4	0.04	0.04	1310.0	42.4	0.05	0.05	1310.0	42.4	0.05	0.05	18
19	1310.0	42.4	0.05	0.05	1310.0	42.4	0.04	0.04	1310.0	42.4	0.05	0.05	1310.0	42.4	0.05	0.05	19
20	1310.0	42.4	0.05	0.05	1310.0	42.4	0.04	0.04	1310.0	42.4	0.05	0.05	1310.0	42.4	0.05	0.05	20
21	1310.0	42.4	0.05	0.05	1310.0	42.4	0.04	0.04	1310.0	42.4	0.05	0.05	1310.0	42.4	0.05	0.04	21
22	1310.0	42.4	0.05	0.05	1310.0	42.4	0.04	0.04	1310.0	42.4	0.05	0.05	1310.0	42.4	0.05	0.04	22
23	1310.0	42.4	0.05	0.05	1310.0	42.4	0.04	0.03	1310.0	42.4	0.05	0.05	1310.0	42.4	0.05	0.04	23
24	1310.0	42.4	0.05	0.05	1310.0	42.4	0.04	0.03	1310.0	42.4	0.05	0.05	1310.0	42.4	0.05	0.04	24
25	1310.0	42.4	0.05	0.05	1310.0	42.4	0.04	0.03	1310.0	42.4	0.05	0.05	1310.0	42.4	0.05	0.04	25
26	1310.0	42.4	0.05	0.05	1310.0	42.4	0.04	0.03	1310.0	42.4	0.05	0.05	1310.0	42.4	0.05	0.04	26
27	1310.0	42.4	0.05	0.05	1310.0	42.4	0.04	0.03	1310.0	42.4	0.05	0.05	1310.0	42.4	0.05	0.04	27
28	1310.0	42.4	0.05	0.05	1310.0	42.4	0.04	0.03	1310.0	42.4	0.05	0.05	1310.0	42.4	0.05	0.04	28
29	1310.0	42.4	0.05	0.05	1310.0	42.4	0.04	0.03	1310.0	42.4	0.05	0.05	1310.0	42.4	0.05	0.04	29
30	1310.0	42.4	0.05	0.05	1310.0	42.4	0.04	0.03	1310.0	42.4	0.05	0.05	1310.0	42.4	0.05	0.04	30
31	1310.0	42.4	0.05	0.05	1310.0	42.4	0.04	0.03	1310.0	42.4	0.05	0.05	1310.0	42.4	0.05	0.04	31
TOTAL		2.40	2.30			1.36	1.26			1.46	1.36			1.5	1.4		
Inf. Ac. Ft.		4.8				2.7				2.9				3.0		273.6	
Outf. Ac. Ft.		4.6		(0.2)		2.5		(0.2)		2.7		(0.2)		3.0		262.9	(5.3)
Mean Daily Inflow		0.2				0.05				0.05				0.05		13.9	
Mean Daily Outflow		0.05				0.04				0.04				0.05		0	
Storage Change		0				0				0				0		-14.6	(20.3)
NOTE: Gage Heights and Storages as of Midnight on Day Shown																	
Max. W. S. Elev.	1316.7	feet	on	1-25-54	Storage	54.1	Acres Feet		RECORDS COLLECTED BY				COMPUTATIONS				
Min. W. S. Elev.	1306.9	feet	on	1-6-54	Storage	54.1	Acres Feet	MIN. STOR. 42.4 AF	F. D. KELLY				Gage Hts. copied JHL HRW				
Max. Peak Inf.	105	C.F.S. from	10:30 PM	on	1-24-54				F. E. STUNDEN				Storage applied JHL HRW				
Max. Peak Outf.	30	C.F.S. from	4:20 PM	on	2-13-54								Inf. & Outf. comp. JHL HRW				
REMARKS																	
* LOSS IN STORAGE DUE TO SILTATION																	

DAM OPERATION RECORD																	
LOS ANGELES COUNTY																	
FLOOD CONTROL DISTRICT																	
HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of <u>SAMPIT</u> Dam																	
In <u>Sawpit Canyon</u> for the Year Ending September 30, 19 <u>54</u>																	
Continuous Water Stage Recorder <u>AU</u>																	
Drainage Area <u>3.34</u> Square Miles Capacity of Reservoir <u>304.9</u> Ac. Ft. at Spillway Elev. <u>1360.0</u> Ft. as of <u>March</u> 19 <u>54</u> Survey <u>Gage Heights</u> read <u>daily</u>																	
Day	October				November				December				January				Day
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1310.0	42.4	0.05	0.04	1310.0	42.4	0.05	0.05	1310.0	42.4	0.2	0.2	1310.0	42.4	0.4	0.4	1
2	1310.0	42.4	0.05	0.04	1310.0	42.4	0.05	0.05	1310.0	42.4	0.2	0.2	1310.0	42.4	0.3	0.3	2
3	1310.0	42.4	0.05	0.04	1310.0	42.4	0.05	0.05	1310.0	42.4	1.5	1.0	1310.0	42.4	0.3	0.2	3
4	1310.0	42.4	0.05	0.04	1310.0	42.4	0.05	0.05	1310.0	42.4	0.1	0.4	1310.0	42.4	0.2	0.2	4
5	1310.0	42.4	0.05	0.04	1310.0	42.4	0.05	0.05	1310.0	42.4	0.1	0.1	1310.0	42.4	0.2	0.2	5
6	1310.0	42.4	0.05	0.04	1310.0	42.4	0.05	0.05	1310.0	42.4	0.1	0.1	1310.0	42.4	0.4	0.4	6
7	1310.0	42.4	0.05	0.04	1310.0	42.4	0.05	0.05	1310.0	42.4	0.1	0.1	1310.0	42.4	0.2	0.2	7
8	1310.0	42.4	0.05	0.04	1310.0	42.4	0.05	0.05	1310.0	42.4	0.1	0.1	1310.0	42.4	0.2	0.2	8
9	1310.0	42.4	0.05	0.04	1310.0	42.4	0.05	0.05	1310.0	42.4	0.5	0.3	1310.0	42.4	0.3	0.3	9
10	1310.0	42.4	0.05	0.04	1310.0	42.4	0.05	0.05	1310.0	42.4	0.2	0.4	1310.0	42.4	2.1	2.0	10
11	1310.0	42.4	0.05	0.05	1310.0	42.4	3.6	3.2	1310.0	42.4	0.2	0.2	1310.0	42.4	0.4	0.4	11
12	1310.0	42.4	0.05	0.05	1310.0	42.4	0.2	0.2	1310.0	42.4	0.2	0.2	1310.0	42.4	0.4	0.4	12
13	1310.0	42.4	0.05	0.05	1310.0	42.4	0.2	0.2	1310.0	42.4	0.2	0.2	1310.0	42.4	0.4	0.4	13
14	1310.0	42.4	0.05	0.05	1310.0	42.4	0.1	0.1	1310.0	42.4	0.2	0.2	1310.0	42.4	0.4	0.4	14
15	1310.0	42.4	0.05	0.05	1310.0	42.4	0.1	0.1	1310.0	42.4	0.2	0.2	1310.0	42.4	0.4	0.4	15
16	1310.0	42.4	0.05	0.05	1310.0	42.4	0.1	0.1	1310.0	42.4	0.2	0.2	1310.0	42.4	0.6	0.6	16
17	1310.0	42.4	0.05	0.05	1310.0	42.4	0.1	0.1	1310.0	42.4	0.1	0.1	1310.0	42.4	0.4	0.4	17
18	1310.0	42.4	0.05	0.05	1310.0	42.4	0.1	0.1	1310.0	42.4	0.1	0.1	1310.0	42.4	4.2	4.0	18
19	1310.0	42.4	0.05	0.05	1310.0	42.4	0.1	0.1	1310.0	42.4	0.1	0.1	1310.0	42.4	1.6	1.6	19
20	1310.0	42.4	0.05	0.05	1310.0	42.4	0.1	0.1	1310.0	42.4	0.1	0.1	1310.0	42.4	1.1	1.1	20
21	1310.0	42.4	0.05	0.05	1310.0	42.4	0.1	0.1	1310.0	42.4	0.1	0.1	1310.0	42.4	1.1	1.1	21
22	1310.0	42.4	0.05	0.05	1310.0	42.4	0.1	0.1	1310.0	42.4	0.2	0.2	1310.0	42.4	1.0	1.0	22
23	1310.0	42.4	0.05	0.05	1310.0	42.4	0.1	0.1	1310.0	42.4	0.2	0.2	1310.0	42.4	0.9	0.9	23
24	1310.0	42.4	0.05	0.05	1310.0	42.4	0.1	0.1	1310.0	42.4	0.2	0.2	1310.0	42.4	0.8	0.8	24
25	1310.0	42.4	0.05	0.05	1310.0	42.4	0.1	0.1	1310.0	42.4	0.2	0.2	1310.0	42.4	0.6	0.6	25
26	1310.0	42.4	0.05	0.05	1310.0	42.4	0.1	0.1	1310.0	42.4	0.2	0.2	1310.0	42.4	0.4	0.5	26
27	1310.0	42.4	0.05	0.05	1310.0	42.4	0.1	0.1	1310.0	42.4	0.2	0.2	1				

SAMPIT (Cont'd)

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DAM OPERATION RECORD																	
LOS ANGELES COUNTY																	
FLOOD CONTROL DISTRICT																	
HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of <u>SAMPIT</u> Dam																	
In <u>Sawpit Canyon</u> for the Year Ending September 30, 19 <u>55</u>																	
Continuous Water Stage Recorder <u>Au</u>																	
Drainage Area <u>3.34</u> Square Miles Capacity of Reservoir <u>304.9</u> Ac. Ft. at Spillway Elev. <u>1360.0</u> Ft. as of <u>March</u> 19 <u>54</u> Survey <u>Gage Heights</u> read <u>daily</u>																	
Day	February				March				April				May				Day
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1310.0	42.4	0.4	0.4	1310.0	42.4	0.2	0.2	1310.0	42.4	0.3	0.3	1310.0	42.4	0.6	0.7	1
2	1310.0	42.4	0.4	0.4	1310.0	42.4	0.2	0.2	1310.0	42.4	0.3	0.3	1310.0	42.4	0.3	0.3	2
3	1310.0	42.4	0.4	0.4	1310.0	42.4	0.2	0.2	1310.0	42.4	0.2	0.2	1310.0	42.4	0.3	0.3	3
4	1310.0	42.4	0.5	0.5	1310.0	42.4	0.2	0.2	1310.0	42.4	0.2	0.2	1310.0	42.4	0.3	0.3	4
5	1310.0	42.4	0.4	0.4	1310.0	42.4	0.2	0.2	1310.0	42.4	0.2	0.2	1310.0	42.4	0.3	0.3	5
6	1310.0	42.4	0.3	0.3	1310.0	42.4	0.2	0.2	1310.0	42.4	0.2	0.2	1310.0	42.4	0.3	0.3	6
7	1310.0	42.4	0.2	0.2	1310.0	42.4	0.2	0.2	1310.0	42.4	0.2	0.2	1310.0	42.4	0.3	0.3	7
8	1310.0	42.4	0.2	0.2	1310.0	42.4	0.2	0.2	1310.0	42.4	0.2	0.2	1310.0	42.4	0.3	0.3	8
9	1310.0	42.4	0.2	0.2	1310.0	42.4	0.2	0.2	1310.0	42.4	0.2	0.2	1310.0	42.4	0.3	0.3	9
10	1310.0	42.4	0.2	0.1	1310.0	42.4	0.3	0.3	1310.0	42.4	0.2	0.2	1310.0	42.4	0.3	0.3	10
11	1310.0	42.4	0.1	0.1	1310.0	42.4	0.4	0.4	1310.0	42.4	0.2	0.2	1310.0	42.4	0.3	0.2	11
12	1310.0	42.4	0.1	0.1	1310.0	42.4	0.3	0.3	1310.0	42.4	0.2	0.1	1310.0	42.4	0.2	0.2	12
13	1310.0	42.4	0.1	0.1	1310.0	42.4	0.3	0.3	1310.0	42.4	0.1	0.1	1310.0	42.4	0.2	0.2	13
14	1310.0	42.4	0.1	0.1	1310.0	42.4	0.2	0.2	1310.0	42.4	0.1	0.1	1310.0	42.4	0.2	0.2	14
15	1310.0	42.4	0.1	0.1	1310.0	42.4	0.2	0.2	1310.0	42.4	0.1	0.1	1310.0	42.4	0.2	0.2	15
16	1310.0	42.4	0.2	0.2	1310.1	42.6	1.9	1.8	1310.0	42.4	0.1	0.1	1310.0	42.4	0.2	0.2	16
17	1310.0	42.4	0.2	0.2	1310.1	42.6	0.5	0.5	1310.0	42.4	0.1	0.1	1310.0	42.4	0.2	0.2	17
18	1310.0	42.4	0.2	0.2	1310.0	42.4	0.4	0.5	1310.0	42.4	0.1	0.1	1310.0	42.4	0.2	0.2	18
19	1310.0	42.4	0.2	0.2	1310.0	42.4	0.4	0.4	1310.0	42.4	0.1	0.1	1310.0	42.4	0.2	0.2	19
20	1310.0	42.4	0.2	0.2	1310.0	42.4	0.4	0.4	1310.0	42.4	0.1	0.1	1310.0	42.4	0.2	0.2	20
21	1310.0	42.4	0.2	0.2	1310.0	42.4	0.4	0.3	1310.0	42.4	0.1	0.1	1310.0	42.4	0.2	0.2	21
22	1310.0	42.4	0.2	0.2	1310.0	42.4	0.5	0.3	1310.0	42.4	0.1	0.1	1310.0	42.4	0.2	0.2	22
23	1310.0	42.4	0.1	0.1	1310.0	42.4	0.5	0.3	1310.0	42.4	0.1	0.1	1310.0	42.4	0.2	0.2	23
24	1310.0	42.4	0.1	0.1	1310.0	42.4	0.3	0.3	1310.0	42.4	0.1	0.1	1310.0	42.4	0.2	0.2	24
25	1310.0	42.4	0.2	0.2	1310.0	42.4	0.3	0.3	1310.0	42.4	0.1	0.1	1310.0	42.4	0.2	0.2	25
26	1310.0	42.4	0.2	0.2	1310.0	42.4	0.2	0.2	1310.0	42.4	0.1	0.1	1310.0	42.4	0.2	0.2	26
27	1310.0	42.4	0.2	0.2	1310.0	42.4	0.2	0.2	1310.0	42.4	0.1	0.1	1310.0	42.4	0.2	0.2	27
28	1310.0	42.4	0.2	0.2	1310.0	42.4	0.2	0.2	1310.0	42.4	0.1	0.1	1310.0	42.4	0.2	0.2	28
29	1310.0	42.4	0.2	0.2	1310.0	42.4	0.2	0.2	1310.0	42.4	0.1	0.1	1310.0	42.4	0.2	0.2	29
30	1310.0	42.4	0.2	0.2	1310.0	42.4	0.2	0.2	1310.0	42.4	0.1	0.1	1310.0	42.4	0.2	0.2	30
31	1310.0	42.4	0.2	0.2	1310.0	42.4	0.2	0.2	1310.0	42.4	0.1	0.1	1310.0	42.4	0.2	0.2	31
TOTAL		6.0	5.5	5.5		10.5	11.0	11.0		5.5	5.1	5.1		7.6	7.6		
Inf. Ac. Ft.		11.9				40.8				10.5				15.1	15.1	130.2	
Outf. Ac. Ft.		11.7		(0.4)		39.4		(0.4)		10.1		(0.2)		14.9	14.9	128.6 + (1.6)	
Maximum		0.5				1.0				1.0				0.6	0.6	4.3	
Mean Daily Inflow		0.1				0.3				0.3				0.1	0.1	0.05	
Storage Change		0				0				0				-0.2	-0.2	0	

NOTE: Gage Heights and Storage as of Midnight on Day Shown.

Max. W. S. Elev.	1311.55	feet on	11-11-54	Storage	46	Acres Ft.		RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1309.8	feet on	SEPTEMBER	Storage	42.0	Acres Ft.		F. D. KELLY	Dam Tender	Gage Hts. copied	JHL	HRW
Max. Peak Inf.	73	C.F.S. from	5:00 AM on 11-11-54	to	5:30 AM on 11-11-54			F. E. STUNDEN	Hydrographer	Storage applied	JHL	HRW
Max. Peak Outf.	25	C.F.S. from	5:00 AM on 11-11-54	to	6:00 AM on 11-11-54				Hydrographer	Inf. & Outf. comp.	JHL	HRW

REMARKS (1) INDICATES EVAPORATION LOSSES

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DAM OPERATION RECORD																	
LOS ANGELES COUNTY																	
FLOOD CONTROL DISTRICT																	
HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of <u>SAMPIT</u> Dam																	
In <u>Sawpit Canyon</u> for the Year Ending September 30, 19 <u>55</u>																	
Continuous Water Stage Recorder <u>Au</u>																	
Drainage Area <u>3.34</u> Square Miles Capacity of Reservoir <u>304.9</u> Ac. Ft. at Spillway Elev. <u>1360.0</u> Ft. as of <u>March</u> 19 <u>54</u> Survey <u>Gage Heights</u> read <u>daily</u>																	
Day	June				July				August				September				Day
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1310.0	42.4	0.2	0.2	1310.0	42.4	0.1	0.09	1309.9	42.2	0.0	0.0	1309.9	42.2	0.0	0	1
2	1310.0	42.4	0.2	0.2	1310.0	42.4	0.1	0.09	1309.9	42.2	0.0	0.0	1309.9	42.2	0.0	0	2
3	1310.0	42.4	0.2	0.2	1310.0	42.4	0.0	0.08	1309.9	42.2	0.0	0.0	1309.9	42.2	0.0	0	3
4	1310.0	42.4	0.2	0.2	1310.0	42.4	0.0	0.08	1309.9	42.2	0.0	0.0	1309.9	42.2	0.0	0	4
5	1310.0	42.4	0.2	0.2	1310.0	42.4	0.0	0.07	1309.9	42.2	0.0	0.0	1309.9	42.2	0.0	0	5
6	1310.0	42.4	0.2	0.1	1310.0	42.4	0.0	0.07	1309.9	42.2	0.0	0.0	1309.9	42.2	0.0	0	6
7	1310.0	42.4	0.2	0.1	1310.0	42.4	0.0	0.07	1309.9	42.2	0.0	0.0	1309.9	42.2	0.0	0	7
8	1310.0	42.4	0.2	0.1	1310.0	42.4	0.0	0.07	1309.9	42.2	0.0	0.0	1309.9	42.2	0.0	0	8
9	1310.0	42.4	0.1	0.1	1310.0	42.4	0.0	0.06	1309.9	42.2	0.0	0.0	1309.9	42.2	0.0	0	9
10	1310.0	42.4	0.1	0.1	1310.0	42.4	0.0	0.06	1309.9	42.2	0.0	0.0	1309.9	42.2	0.0	0	10
11	1310.0	42.4	0.1	0.1	1310.0	42.4	0.0	0.05	1309.9	42.2	0.0	0.0	1309.9	42.2	0.0	0	11
12	1310.0	42.4	0.1	0.1	1310.0	42.4	0.0	0.05	1309.9	42.2	0.0	0.0	1309.9	42.2	0.0	0	12
13	1310.0	42.4	0.1	0.1	1310.0	42.4	0.0	0.04	1309.9	42.2	0.0	0.0	1309.9	42.2	0.0	0	13
14	1310.0	42.4	0.1	0.1	1310.0	42.4	0.0	0.04	1309.9	42.2	0.0	0.0	1309.9	42.2	0.0	0	14
15	1310.0	42.4	0.1	0.1	1310.0	42.4	0.0	0.05	1309.9	42.2	0.0	0.0	1309.9	42.2	0.0	0	15
16	1310.0	42.4	0.1	0.1	1310.0	42.4	0.0	0.04	1309.9	42.2	0.0	0.0	1309.9	42.2	0.0	0	16
17	1310.0	42.4	0.1	0.1	1310.0	42.4	0.0	0.04	1309.9	42.2	0.0	0.0	1309.9	42.2	0.0	0	17
18	1310.0	42.4	0.1	0.1	1310.0	42.4	0.0	0.04	1309.9	42.2	0.0	0.0	1309.9	42.2	0.0	0	18
19	1310.0	42.4	0.1	0.1	1310.0	42.4	0.0	0.04	1309.9	42.2	0.0	0.0	1309.9	42.2	0.0	0	19
20	1310.0	42.4	0.1	0.1	1310.0	42.4	0.0	0.03	1309.9	42.2	0.0	0.0	1309.9	42.2	0.0	0	20
21	1310.0	42.4	0.1	0.1	1310.0	42.4	0.0	0.03	1309.9	42.2	0.0	0.0	1309.9	42.2	0.0	0	21
22	1310.0	42.4	0.1	0.1	1310.0	42.4	0.0	0.03	1309.9	42.2	0.0	0.0	1309.9	42.2	0.0	0	22
23	1310.0	42.4	0.1	0.1	1310.0	42.4	0.0	0.03	1309.9	42.2	0.0	0.0	1309.9	42.2	0.0	0	23
24	1310.0	42.4	0.1	0.1	1310.0	42.4	0.0	0.03	1309.9	42.2	0.0	0.0	1309.9	42.2	0.0	0	24
25	1310.0	42.4	0.1	0.1	1310.0	42.4	0.0	0.03	1309.9	42.2	0.0	0.0	1309.9	42.2	0.0	0	25
26	1310.0	42.4	0.1	0.1	1310.0	42.4	0.0	0.03	1309.9	42.2	0.0	0.0	1309.9	42.2	0.0	0	26
27	1310.0	42.4	0.1	0.1	1310.0	42.4	0.0	0.03	1309.9	42.2	0.0	0.0	1309.9	42.2	0.0	0	27
28	1310.0	42.4	0.1	0.1	1310.0	42.4	0.0	0.03	1309.9	42.2	0.0	0.0	1309.9	42.2	0.0	0	28
29	1310.0	42.4	0.1	0.1	1310.0	42.4	0.0	0.02	1309.9	42.2	0.						

DAM OPERATION RECORD																	
LOS ANGELES COUNTY																	
FLOOD CONTROL DISTRICT																	
HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of <u>COGSWELL</u> Dam																	
In <u>San Gabriel Canyon - West Fork</u> for the Year Ending September 30, 19 <u>54</u>																	
Continuous Water Stage Recorder... <u>PRESSURE</u>																	
Drainage Area <u>39.2</u> Square Miles. Capacity of Reservoir <u>10,634.0</u> Ac. Ft. at Spillway Elev. <u>2395.0</u> Ft. as of <u>September</u> 19 <u>54</u> Survey <u>Gage Heights</u> Read <u>daily</u>																	
Day	October				November				December				January				Day
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	2198.9	3.0	0.6	0.8	2207.9	4.6	0.5	0.2	2211.1	5.7	0.4	0.3	2216.3	8.4	0.9	0.3	1
2	2199.9	3.2	0.6	0.1	2208.0	4.7	0.5	0.2	2211.2	5.7	0.4	0.3	2216.6	8.2	0.9	0.3	2
3	2200.6	3.3	0.6	0.1	2208.2	4.7	0.5	0.2	2211.2	5.7	0.4	0.3	2216.9	8.3	0.9	0.3	3
4	2201.3	3.4	0.6	0.1	2208.4	4.8	0.4	0.2	2211.3	5.8	0.4	0.3	2217.2	8.5	1.0	0.2	4
5	2200.6	3.4	0.6	0.9	2208.5	4.8	0.4	0.2	2211.4	5.8	0.4	0.3	2217.5	8.7	1.0	0.2	5
6	2200.5	3.2	0.6	0.8	2208.7	4.9	0.4	0.2	2211.4	5.8	0.4	0.3	2217.7	8.8	1.0	0.2	6
7	2200.2	3.2	0.6	1.0	2208.8	4.9	0.4	0.2	2211.4	5.8	0.4	0.3	2218.0	8.9	1.1	0.2	7
8	2200.2	3.2	0.6	0.6	2209.0	5.0	0.4	0.2	2211.5	5.8	0.4	0.3	2218.3	9.1	1.1	0.2	8
9	2200.1	3.2	0.6	0.7	2209.1	5.0	0.4	0.2	2211.5	5.8	0.4	0.3	2218.5	9.2	1.1	0.2	9
10	2200.3	3.2	0.6	0.1	2209.2	5.0	0.4	0.2	2211.6	5.9	0.5	0.3	2218.7	9.4	1.1	0.2	10
11	2201.1	3.2	0.6	0.1	2209.3	5.1	0.5	0.2	2211.7	5.9	0.5	0.3	2219.0	9.5	1.1	0.2	11
12	2202.1	3.5	0.6	0.5	2209.5	5.1	0.5	0.2	2211.7	5.9	0.5	0.3	2219.5	9.9	1.6	0.2	12
13	2202.1	3.5	0.6	0.1	2209.6	5.1	0.5	0.2	2211.8	6.0	0.5	0.3	2220.0	10.2	1.6	0.2	13
14	2202.7	3.6	0.6	0.1	2210.2	5.4	1.2	0.2	2211.9	6.0	0.5	0.3	2220.4	10.5	1.8	0.2	14
15	2202.3	3.6	0.6	0.1	2210.3	5.4	0.4	0.2	2212.1	6.1	0.6	0.2	2220.7	10.7	1.8	0.2	15
16	2203.8	3.7	0.6	0.1	2210.4	5.4	0.4	0.2	2212.3	6.2	0.7	0.2	2221.1	10.9	1.7	0.2	16
17	2204.3	3.8	0.5	0.1	2210.5	5.5	0.3	0.2	2212.6	6.3	0.7	0.2	2221.5	11.2	1.7	0.2	17
18	2204.8	3.9	0.5	0.1	2210.5	5.5	0.3	0.2	2212.8	6.4	0.8	0.2	2222.4	11.9	3.7	0.4	18
19	2205.2	3.9	0.5	0.1	2210.6	5.5	0.3	0.2	2213.1	6.5	0.8	0.2	2227.3	14.4	16.4	0.4	19
20	2205.6	4.0	0.5	0.2	2210.6	5.5	0.3	0.2	2213.4	6.6	0.8	0.3	2251.8	53.6	47.1	0.4	20
21	2206.0	4.0	0.5	0.2	2210.6	5.5	0.3	0.2	2213.6	6.7	0.8	0.3	2253.0	56.2	13.7	0.4	21
22	2206.2	4.1	0.5	0.2	2210.7	5.5	0.3	0.2	2213.9	6.8	0.8	0.3	2253.8	58.0	9.5	0.4	22
23	2206.2	4.2	0.5	0.2	2210.8	5.6	0.3	0.2	2214.1	6.9	0.8	0.3	2254.5	59.6	8.5	0.4	23
24	2206.4	4.3	0.5	0.2	2210.9	5.6	0.3	0.2	2214.3	7.0	0.8	0.3	2254.8	62.3	11.4	0.4	24
25	2206.8	4.3	0.5	0.2	2210.9	5.6	0.3	0.2	2214.5	7.1	0.9	0.3	2256.2	63.9	41.9	0.4	25
26	2207.0	4.4	0.5	0.2	2211.0	5.6	0.3	0.2	2214.8	7.3	0.9	0.3	2258.1	65.1	7.1	0.4	26
27	2207.0	4.4	0.5	0.2	2211.0	5.6	0.3	0.2	2215.1	7.4	0.9	0.3	2258.5	67.1	50.3	1.4	27
28	2207.2	4.5	0.5	0.2	2211.0	5.6	0.3	0.2	2215.5	7.5	0.9	0.3	2275.8	126.0	37.6	13.8	28
29	2207.4	4.5	0.5	0.2	2211.0	5.6	0.4	0.3	2215.7	7.6	0.9	0.3	2277.1	107.7	23.8	11.5	29
30	2207.6	4.6	0.5	0.2	2211.1	5.7	0.4	0.3	2215.8	7.7	0.9	0.3	2269.8	101.9	18.8	4.8	30
31	2207.7	4.6	0.5	0.2	2211.1	5.7	0.4	0.3	2215.8	7.8	0.9	0.3	2270.8	105.2	17.1	0.5	31
TOTAL																	
Inf. Ac. Ft. 33.9																	
Outf. Ac. Ft. 17.7 + (0.6)																	
Max. Daily Inflow 0.6																	
Min. Daily Inflow 0.5																	
Max. Daily Outflow 0.3																	
Storage Change +15.7																	
NOTE: Gage Heights and Storage as of Midnight on Day Shown																	
RECORDS COLLECTED BY P. R. WATKINS Dam Tender																	
E. K. DE VORE Hydrographer																	
COMPUTATIONS ckd Date																	
Gage Hts. copied JHL HRW																	
Storage applied JHL HRW																	
Inf. & Outf. comp. JHL HRW 4-2-54																	
REMARKS ( ) INDICATES AVERAGE FOR PERIOD ( ) INDICATES EVAPORATION LOSSES																	
OUTFLOW FROM STATION F209-R																	
* STORAGE IN PIT ONLY ** PIT W.S. ELEVATION, SOME STORAGE IN RESERVOIR																	

DAM OPERATION RECORD																	
LOS ANGELES COUNTY																	
FLOOD CONTROL DISTRICT																	
HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of <u>COGSWELL</u> Dam																	
In <u>San Gabriel Canyon - West Fork</u> for the Year Ending September 30, 19 <u>54</u>																	
Continuous Water Stage Recorder... <u>PRESSURE</u>																	
Drainage Area <u>39.2</u> Square Miles. Capacity of Reservoir <u>10,634.0</u> Ac. Ft. at Spillway Elev. <u>2395.0</u> Ft. as of <u>September</u> 19 <u>54</u> Survey <u>Gage Heights</u> Read <u>daily</u>																	
Day	February				March				April				May				Day
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	2271.7	1082.0	15.8	0.5	2291.6	1886.7	12.0	2.7	2322.6	3777.7	5.8	1.6	2337.9	5058.0	10.7	1.8	1
2	2272.1	1095.4	13.3	0.5	2291.0	1858.1	12.0	2.7	2324.0	3884.0	5.7	1.6	2338.0	5067.1	10.6	1.8	2
3	2272.7	1115.7	11.0	0.5	2290.4	1830.0	12.0	2.7	2325.2	3976.7	4.8	1.7	2338.2	5085.5	10.6	1.8	3
4	2275.3	1136.3	11.1	0.5	2289.8	1802.1	11.5	2.7	2326.3	4063.0	4.5	1.7	2338.4	5103.9	10.6	1.8	4
5	2273.9	1157.0	11.1	0.5	2289.8	1802.1	11.5	2.7	2327.2	4142.9	4.3	1.6	2338.2	5085.9	9.2	1.6	5
6	2274.4	1174.4	9.5	0.4	2290.1	1814.0	11.0	0.5	2328.2	4216.0	3.9	1.6	2337.3	5003.6	9.2	1.6	6
7	2274.8	1188.5	7.8	0.4	2290.4	1830.0	11.0	0.5	2329.1	4290.5	3.9	1.6	2336.8	4933.6	9.2	1.6	7
8	2275.3	1206.3	5.5	0.4	2290.7	1844.1	11.0	0.5	2329.9	4357.8	3.6	1.6	2336.5	4931.5	9.2	1.6	8
9	2275.7	1220.6	7.9	0.4	2291.1	1862.9	9.0	0.5	2330.6	4417.1	3.2	1.6	2336.3	4913.5	9.2	1.6	9
10	2276.1	1235.1	7.9	0.4	2291.4	1877.2	7.9	0.5	2331.2	4468.2	2.8	1.6	2336.0	4886.6	9.1	1.6	10
11	2276.4	1246.0	6.1	0.4	2291.7	1891.5	7.9	0.5	2331.8	4519.5	2.8	1.6	2335.7	4860.0	7.3	1.9	11
12	2276.7	1257.0	5.9	0.4	2291.9	1901.0	7.3	0.5	2332.3	4562.5	2.4	1.6	2335.4	4833.3	7.3	1.9	12
13	2284.4	1561.8	154.3	0.6	2292.2	1915.5	7.0	0.5	2332.8	4605.6	1.9	1.6	2335.1	4806.7	7.3	1.9	13
14	2290.0	1811.3	126.6	0.7	2292.4	1925.2	7.0	0.6	2333.3	4649.0	1.9	1.6	2334.8	4780.2	7.3	1.9	14
15	2292.7	1939.7	65.6	0.8	2292.7	1939.7	7.0	0.7	2333.7	4683.9	1.9	1.6	2334.5	4753.9	7.2	1.9	15
16	2294.5	2029.8	45.8	0.6	2294.1	2008.6	35.6	0.7	2334.1	4718.8	1.9	1.6	2334.2	4727.6	6.7	1.9	16
17	2295.6	2094.8	34.3	0.8	2295.2	2054.1	29.9	0.8	2334.4	4745.1	1.9	1.6	2333.9	4701.3	6.7	1.9	17
18	2295.4	2094.8	34.3	0.8	2295.5	2094.8	16.6	0.8	2334.7	4771.5	1.9	1.6	2333.4	4653.7	6.7	1.9	18
19	2296.1	2110.0	22.4	0.9	2296.5	2120.6	14.0	0.8	2335.0	4797.8	1.9	1.6	2333.1	4631.6	6.6	2.0	19
20	2295.9	2099.9	24.3	0.8	2298.5	2237.0	59.7	0.8	2335.3	4824.4	1.4	1.6	2332.7	4627.2	6.6	2.0	20
21	2295.6	2034.6	20.9	0.8	2301.3	2391.4	78.8	0.9	2335.6	4851.1	1.4	1.6	2332.4	4571.1	6.3	2.0	21
22	2295.3	2059.2	20.2	0.7	2304.0	2546.1	79.0	1.0	2335.9	4877.7	1.4	1.6	2332.0	4536.6	6.3	2.0	22
23	2294.8	2043.8	14.7	0.7	2306.6	2700.5	79.1	1.1	2336.1	4895.6	1.4	1.6	2331.7	4511.0	6.2	1.9	23
24	2294.4	2023.7	16.7	0.6	2308.5	2816.0	59.5	1.2	2336.3	4913.5	1.4	1.6	2331.4	4485.3	6.2	1.9	24
25	2293.9	1998.7	14.3	0.6	2310.4	2933.6	60.8	1.3	2336.5	4931.5	1.3	1.6	2331.0	4451.1	6.1	1.9	25
26	2293.4	1974.0	14.4	0.6	2312.0	3035.1	52.7	1.3	2336.8	4958.4	1.3	1.6	233				

76D138N-66B G5 7-55

DAM OPERATION RECORD  
LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of COGSWELL Dam  
In San Gabriel Canyon - West Fork for the Year Ending September 30, 1954  
On September 10, 1947 to September 30, 1947 Survey  
Continuous Water Stage Recorder Pressure  
Drainage Area 39.2 Square Miles. Capacity of Reservoir 10,634.0 Ac. Ft. at Spillway Elev. 2365.0 Ft. as of September 10, 1947 Gage Heights Read daily

Day	June				July				August				September				Day
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	2329.2	4228.9	3.7	14.0	2320.4	3614.2	1.6	12.9	2309.3	2865.3	1.2	12.6	2296.5	2131.0	0.7	11.9	
2	2328.9	4273.8	3.7	14.0	2320.1	3522.1	1.6	12.9	2308.9	2840.6	1.2	12.2	2296.1	2110.2	0.6	11.9	
3	2328.6	4249.1	3.7	14.0	2319.8	3570.3	1.6	12.9	2308.5	2816.0	1.2	12.2	2295.8	2053.9	0.7	11.9	
4	2328.4	4232.5	3.7	14.0	2319.4	3541.4	1.6	12.9	2308.2	2797.6	1.2	12.2	2295.6	1953.8	0.7	11.9	
5	2328.1	4207.8	3.7	14.0	2319.1	3513.6	1.6	12.9	2307.8	2773.4	1.1	12.2	2295.3	1910.6	0.6	11.9	
6	2327.8	4183.3	3.7	14.0	2318.8	3488.1	1.6	12.9	2307.4	2748.8	1.0	12.2	2295.0	1859.4	0.6	11.9	
7	2327.5	4159.1	2.8	13.6	2318.4	3463.6	1.6	12.9	2307.0	2724.5	1.0	12.2	2294.7	1765.2	0.6	11.9	
8	2327.2	4134.8	2.8	13.6	2318.1	3448.1	1.6	12.9	2306.6	2700.5	1.0	12.2	2294.4	1692.8	0.6	11.9	
9	2327.0	4118.6	2.8	13.6	2317.7	3419.9	1.6	12.9	2306.2	2676.4	0.9	12.2	2294.1	1622.0	0.6	11.9	
10	2326.7	4094.8	2.8	13.6	2317.3	3391.7	1.6	12.9	2305.8	2652.5	0.9	12.2	2293.8	1553.2	0.6	11.9	
11	2326.4	4071.0	2.8	13.6	2317.0	3370.5	1.5	12.9	2305.4	2628.7	0.9	12.2	2293.5	1482.3	0.7	11.9	
12	2326.1	4047.1	2.8	13.6	2316.6	3342.7	1.5	12.9	2305.0	2604.9	0.9	12.2	2293.2	1417.4	0.7	11.9	
13	2325.8	4023.6	2.7	13.6	2316.3	3321.9	1.5	12.9	2304.6	2581.4	0.9	12.2	2292.9	1347.0	0.7	11.9	
14	2325.5	4000.2	2.7	13.6	2315.9	3294.2	1.5	12.9	2304.2	2557.9	0.9	12.2	2292.6	1279.1	0.7	11.9	
15	2325.3	3984.5	2.7	13.6	2315.6	3273.7	1.5	12.9	2303.7	2538.7	0.9	12.2	2292.3	1217.0	0.6	11.9	
16	2325.0	3961.1	2.5	13.4	2315.3	3253.2	1.5	12.9	2303.3	2520.5	0.9	11.6	2292.0	1153.5	0.6	11.9	
17	2324.7	3938.0	2.5	13.6	2314.9	3225.0	1.5	12.9	2302.9	2503.5	0.9	11.6	2291.7	1088.7	0.6	11.9	
18	2324.4	3914.8	2.4	13.3	2314.6	3205.9	1.5	12.9	2302.5	2488.4	0.9	11.6	2291.4	1022.7	0.6	11.9	
19	2324.1	3891.7	2.4	13.3	2314.2	3179.0	1.5	12.9	2302.1	2466.6	0.9	11.6	2291.1	958.8	0.6	11.9	
20	2323.8	3868.6	2.4	13.3	2313.8	3152.4	1.5	12.6	2301.7	2441.0	0.9	11.6	2290.8	897.0	0.6	11.9	
21	2323.5	3845.9	2.4	13.3	2313.4	3126.1	1.5	12.6	2301.3	2421.4	0.8	11.6	2290.5	832.0	0.6	11.9	
22	2323.2	3823.0	2.4	12.9	2313.1	3106.4	1.4	12.6	2300.9	2403.8	0.8	11.9	2290.2	770.5	0.6	11.9	
23	2322.9	3800.3	2.4	12.9	2312.7	3080.4	1.4	12.6	2300.5	2388.6	0.8	11.9	2289.9	709.9	0.6	11.9	
24	2322.6	3777.7	2.3	12.9	2312.3	3055.4	1.4	12.6	2300.0	2374.8	0.8	11.9	2289.6	650.5	0.6	11.9	
25	2322.3	3755.2	2.3	12.9	2311.9	3035.1	1.4	12.6	2299.6	2366.9	0.8	11.9	2289.3	592.3	0.6	11.9	
26	2322.0	3732.6	1.8	12.9	2311.6	3009.7	1.3	12.6	2299.1	2369.5	0.8	11.9	2289.0	534.4	0.6	11.9	
27	2321.7	3710.3	1.8	12.9	2311.2	2984.2	1.2	12.6	2298.7	2374.8	0.8	11.9	2288.7	477.1	0.6	11.9	
28	2321.4	3688.0	1.7	12.9	2310.9	2965.2	1.2	12.6	2298.3	2382.6	0.8	11.9	2288.4	420.4	0.6	11.9	
29	2321.1	3665.6	1.7	12.9	2310.5	2940.1	1.2	12.6	2297.9	2397.9	0.8	11.9	2288.1	363.4	0.6	11.9	
30	2320.7	3643.2	1.7	12.9	2310.1	2915.0	1.2	12.6	2297.5	2421.4	0.8	11.9	2287.8	306.9	0.5	11.9	
31					2309.7	2890.1	1.2	12.6	2297.1	2457.0	0.8	11.9	2287.4	250.9	0.5	11.9	
TOTAL		79.9	402.9			45.4	395.2			28.5	375.0			45.5	99.1	2	
Inf. Ac. Ft.		153.5				90.0				56.5				90.2		8003.6	
Out. Ac. Ft.		79.9	+(4.7)			73.1	+(51.2)			74.3	+(4.5)			196.6	+(24.4)	7499.7 + (278.1)	
Max. Daily Inflow		4.4				1.6				1.2				1.7		411.9	
Min. Daily Inflow		1.7				1.2				0.7				0.5		0.3	
Max. Daily Outflow		1.7				1.2				0.8				1.5		37.2	
Min. Daily Outflow		0.7				0.7				0.8				0.5		37.2	
Storage Change		-68.8				-74.1				-73.1				-190.1		+226.2	

NOTE: Gage Heights and Storage as of Midnight on Day Shown

RECORDS COLLECTED BY  
D. R. WALKINS Dam Tender  
E. K. DE VORE Hydrographer

COMPUTATIONS  
Gage Hts. copied JHL HRW  
Storage applied JHL HRW  
Inf. & Out. comp. JHL HRW

REMARKS  
( ) INDICATES AVERAGE FOR PERIOD  
( ) INDICATES EVAPORATION LOSSES  
\* INCREASE DUE TO BANK STORAGE

76D138N-66B G5 7-55

DAM OPERATION RECORD  
LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of COGSWELL Dam  
In San Gabriel Canyon - West Fork for the Year Ending September 30, 1955  
On September 10, 1947 to September 30, 1947 Survey  
Continuous Water Stage Recorder Pressure Gauges  
Drainage Area 39.2 Square Miles. Capacity of Reservoir 10,634.3 Ac. Ft. at Spillway Elev. 2365.0 Ft. as of September 10, 1947 Gage Heights Read daily

Day	October				November				December				January				Day
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	2230.2	147.4	1.5	35.5	2205.6	41.9	0.7	0.7	2222.3	119.3	1.6	0.1	2235.0	283.7	5.2	0.2	
2	2229.2	117.7	1.5	33.3	2205.6	41.9	0.7	0.7	2222.0	121.3	1.6	0.1	2235.3	303.6	10.2	0.2	
3	2228.0	73.9	1.5	13.6	2205.6	41.9	0.7	0.7	2224.0	131.2	5.1	0.1	2235.9	313.1	5.0	0.2	
4	2226.2	50.8	1.5	12.1	2205.6	41.9	0.7	0.7	2225.6	144.3	6.7	0.1	2240.3	319.6	3.5	0.2	
5	2224.5	42.2	1.5	4.5	2205.6	41.9	0.7	0.7	2225.3	150.3	3.2	0.1	2240.8	327.7	4.3	0.2	
6	2222.6	42.2	1.6	1.6	2205.6	41.9	0.7	0.7	2225.9	155.6	2.8	0.1	2241.4	337.7	5.2	0.2	
7	2220.6	42.2	1.4	1.4	2205.6	41.9	0.7	0.7	2227.4	160.1	2.3	0.1	2242.0	347.7	5.4	0.2	
8	2218.6	42.2	1.2	1.2	2205.6	41.9	0.8	0.8	2228.8	165.8	2.1	0.1	2242.5	356.3	4.5	0.2	
9	2216.6	42.2	1.0	1.0	2205.6	41.9	0.8	0.8	2229.4	169.4	2.9	0.1	2242.9	363.2	3.7	0.2	
10	2214.6	42.2	1.0	1.0	2205.6	41.9	0.8	0.8	2229.6	171.2	5.1	0.1	2243.4	369.7	13.6	0.2	
11	2212.6	42.2	0.9	0.9	2205.6	41.9	1.1	0.1	2229.6	173.3	3.1	0.1	2243.6	411.7	11.2	0.2	
12	2210.6	42.2	0.9	0.9	2205.6	41.9	1.5	0.1	2229.7	172.4	2.6	0.1	2243.6	430.5	9.6	0.2	
13	2208.6	42.2	0.9	0.9	2205.6	41.9	2.5	0.1	2229.7	170.1	2.6	0.1	2243.5	447.9	8.9	0.2	
14	2206.6	41.9	0.9	0.9	2205.6	41.9	1.6	0.1	2229.7	170.3	2.2	0.1	2243.3	463.7	8.2	0.2	
15	2204.6	41.9	0.9	0.9	2205.6	41.9	1.3	0.1	2229.7	170.7	2.3	0.1	2243.1	479.8	8.3	0.2	
16	2202.6	41.9	0.9	0.9	2205.6	41.9	1.3	0.1	2229.5	172.2	2.2	0.1	2242.8	515.1	18.0	0.2	
17	2200.6	41.9	0.8	0.8	2205.6	41.9	1.3	0.1	2229.2	175.6	2.2	0.1	2242.3	547.5	16.5	0.2	
18	2198.6	41.9	0.8	0.8	2205.6	41.9	1.3	0.1	2228.8	180.6	2.2	0.1	2241.9	606.0	29.8	0.3	
19	2196.6	41.9	0.8	0.8	2205.6	41.9	1.4	0.1	2228.5	183.9	2.2	0.1	2241.7	655.4	25.2	0.3	
20	2194.6	41.9	0.8	0.8	2205.6	41.9	1.1	0.1	2228.3	187.5	2.1	0.1	2241.6	694.8	20.2	0.3	
21	2192.6	41.9	0.8	0.8	2205.6	41.9	1.1	0.1	2228.2	192.4	2.1	0.1	2241.5	725.4	15.7	0.3	
22	2190.6	41.9	0.8	0.8	2205.6	41.9	1.4	0.1	2228.1	197.3	2.1	0.1	2241.4	751.6	13.6	0.3	
23	2188.6	41.9	0.8	0.8	2205.6	41.9	1.4	0.1	2228.1	199.8	2.1	0.1	2241.3	779.6	13.9	0.3	
24	2186.6	41.9	0.8	0.8	2205.6	41.9	1.4	0.1	2228.1	203.7	2.1	0.1	2241.2	805.5	15.0	0.3	
25	2184.6	41.9	0.8	0.8	2205.6	41.9	1.4	0.1	2228.1	207.6	2.1	0.1	2241.1	832.0	14.8	0.3	
26	2182.6	41.9	0.8	0.8	2205.6	41.9	1.4	0.1	2228.1	211.2	2.1	0.1	2241.0	851.2	15.1	0.3	
27	2180.6	41.9	0.8	0.8	2205.6	41.9	1.4	0.1	2228.1	215.2	1.8	0.1	2240.9	888.0	13.9	0.3	
28	2178.6	41.9	0.8	0.8	2205.6	41.9	1.4	0.1	2228.1	219.2	1.8	0.1	2240.8	912.3	12.6	0.3	
29	2176.6	41.9	0.8	0.8	2205.6	41.9	1.4	0.2	2228.1	223.0	1.8	0.1	2240.7	936.9	12.8	0.3	
30	2174.6	41.9	0.8	0.8	2205.6	41.9	1.4	0.2	2228.1	226.1	1.8	0.1	2240.6	968.3	16.3	0.3	
31	2172.6	41.9	0.8	0.8	2205.6	41.9	1.4	0.2	2228.1	229.7	1.8	0.1	2240.5	1000.1	16.4	0.3	
TOTAL		31.2	127.6			46.4	9.3			80.5							



SAN GABRIEL

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DAM OPERATION RECORD																	
LOS ANGELES COUNTY																	
FLOOD CONTROL DISTRICT																	
HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of <u>SAN GABRIEL</u> Dam																	
In <u>San Gabriel Canyon</u> for the Year Ending September 30, 19 <u>54</u>																	
Continuous Water Stage Recorder <u>AU</u>																	
Drainage Area <u>202.7</u> Square Miles. Capacity of Reservoir <u>43653</u> Ac. Ft. at Spillway Elev. <u>1453.0</u> Ft. as of <u>January</u> 19 <u>53</u> Survey Gage Height <u>Read daily</u>																	
Day	October				November				December				January				Day
	Gage Height	Ac. Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Ac. Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Ac. Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Ac. Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1280.34	965	19.5	61.3			11.4	11.4	1292.57	632	15.7	12.0	1298.28	872	16.3	12.0	1
2	1277.10	11.7	14.8	15.1			11.4	11.4	1292.70	657	14.8	12.0	1298.47	881	16.9	12.0	2
3	1272	11.3	11.3	11.6			11.8	11.8	1292.87	644	13.7	12.0	1298.67	890	16.7	12.0	3
4		10.7	9.8	10.0			12.0	12.0	1293.13	654	17.2	12.0	1298.84	897	16.8	12.0	4
5		10.1	9.0	9.3	1268.3		13.4	9.3	1293.37	663	16.8	12.0	1299.01	905	16.4	12.0	5
6		9.1	8.8	9.3	1271.1		13.1	0.1	1293.59	672	16.7	12.0	1299.19	914	16.7	12.0	6
7		8.1	8.7	9.2	1273.2		13.1	0.1	1293.81	681	17.0	12.4	1299.34	921	16.3	12.7	7
8		4.4	8.5	10.4	1274.9	105	12.9	0.1	1294.01	689	16.6	12.4	1299.52	929	16.7	12.3	8
9		0	8.3	10.5	1276.2	129	12.3	0.1	1294.22	698	17.1	12.4	1299.72	938	17.2	12.3	9
10			8.7	8.7	1277.50	156	13.9	0.1	1294.42	706	16.7	12.4	1299.91	947	17.1	12.3	10
11			9.4	9.4	1278.65	181	12.8	0.1	1294.58	712	15.7	12.4	1300.09	956	16.9	12.2	11
12			10.0	10.0	1279.75	206	12.8	0.1	1294.77	720	16.6	12.4	1300.47	975	21.7	12.0	12
13			10.8	10.8	1280.65	229	11.8	0.1	1294.93	727	16.2	12.4	1300.88	995	22.5	12.3	13
14			11.3	11.3	1282.10	267	19.2	0.1	1295.09	733	15.8	12.4	1300.98	1000	20.2	17.5	14
15			11.3	11.3	1283.68	311	22.4	0.1	1295.26	741	15.6	12.4	1300.93	997	18.7	20.1	15
16			11.1	11.1	1284.97	350	19.9	0.1	1295.41	747	15.7	12.4	1300.90	996	19.7	20.1	16
17			10.5	10.5	1285.85	384	17.4	0.1	1295.60	755	15.6	12.4	1300.86	994	19.0	20.1	17
18			10.0	10.0	1286.77	415	16.0	0.2	1295.97	763	15.7	12.4	1301.02	1002	24.2	20.1	18
19			10.0	10.0	1287.65	447	16.5	0.2	1296.97	770	16.1	12.4	1314.48	1915	515.7	55.4	19
20			11.5	11.5	1288.63	481	17.4	0.1	1296.16	778	16.7	12.5	1318.06	2236	206.8	44.8	20
21			11.4	11.4	1289.52	514	16.9	0.1	1296.30	785	16.2	12.2	1319.31	2361	98.4	35.1	21
22			11.3	11.3	1290.33	545	15.9	0.1	1296.45	791	15.4	12.0	1319.78	2410	75.1	50.1	22
23			11.0	11.0	1290.48	551	16.9	13.7	1296.61	798	15.8	12.0	1320.00	2432	61.4	50.2	23
24			11.3	11.3	1291.28	582	15.9	0.1	1296.80	806	16.4	12.0	1322.44	2697	183.8	50.2	24
25			12.4	12.4	1291.71	598	14.9	6.5	1297.01	815	16.7	12.0	1340.13	5159	1275.7	34.2	25
26			12.8	12.8	1291.89	605	15.6	11.9	1297.20	824	16.7	12.0	1343.67	5780	351.5	37.8	26
27			12.0	12.0	1291.91	609	14.9	14.2	1297.43	833	17.3	12.0	1346.17	6258	318.7	77.1	27
28			11.5	11.5	1292.08	613	15.9	12.0	1297.59	839	15.9	12.0	1348.11	6648	280.0	86.0	28
29			11.3	11.3	1292.21	618	14.8	12.0	1297.72	847	16.2	12.0	1344.57	5953	240.9	58.9	29
30			11.3	11.3	1292.40	625	15.7	12.0	1297.79	855	16.3	12.0	1345.74	6175	200.8	87.9	30
31			11.4	11.4	1292.40	625	15.7	12.0	1298.10	864	16.9	12.0	1346.01	6227	115.4	37.9	31
TOTAL			341.0	390.8			448.9	140.2			505.9	377.9			423.3	540.6	
Inf. Ac. Ft.			676.4				890.4				1003.4				843.6		1106.9
Outf. Ac. Ft.			775.1				278.1	(7.7)			742.6	(14.9)		3055.7	(17.7)	4658.5	(40.3)
Net Change			-98.7				-187.7	(7.7)			-239.2	(14.9)		-3002.0	(1.0)	-3551.6	(40.6)
Max. W. S. Elev.	1338.91	feet	on	7-4-54	Storage	4955	Ac. Feet										
Min. W. S. Elev.	1260.±	feet	on	11-5-53	Storage	0	Ac. Feet										
Max. Peak Inf.	2940.	C.F.S. from	4:00 AM	on	1-25-54	to	5:00 AM	on	1-25-54								
Max. Peak Outf.	3910	C.F.S. from	8:00 AM	on	4-10-54	to	9:00 AM	on	4-10-54								
REMARKS	( ) INDICATES EVAPORATION LOSSES																
	* 24.2 A.F. STORAGE LOSS DUE TO SILTATION, 23.8 A.F. STORAGE RECOVERED BY SLICING																
	** SUMP W.S. ELEVATIONS																

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DAM OPERATION RECORD																	
LOS ANGELES COUNTY																	
FLOOD CONTROL DISTRICT																	
HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of <u>SAN GABRIEL</u> Dam																	
In <u>San Gabriel Canyon</u> for the Year Ending September 30, 19 <u>54</u>																	
Continuous Water Stage Recorder <u>AU</u>																	
Drainage Area <u>202.7</u> Square Miles. Capacity of Reservoir <u>43653</u> Ac. Ft. at Spillway Elev. <u>1453.0</u> Ft. as of <u>January</u> 19 <u>53</u> Survey Gage Height <u>Read Daily</u>																	
Day	February				March				April				May				Day
	Gage Height	Ac. Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Ac. Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Ac. Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Ac. Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1345.13	5250	100.9	57.9	1332.90	7642	121.5	80.3	1371.4	12010	258.2	37.4					1
2	1345.25	5274	102.2	59.5	1333.14	7693	115.3	38.6	1372.73	12347	259.4	37.4					2
3	1346.31	5256	96.1	38.5	1333.39	7748	115.3	35.8	1374.04	12692	262.5	37.4					3
4	1346.31	5236	90.1	38.5	1333.62	7798	111.5	35.2	1375.35	13035	270.3	37.7					4
5	1346.29	5232	88.1	38.5	1333.77	7830	104.1	36.7	1376.79	13436	282.7	37.6					5
6	1346.14	5252	75.0	38.5	1333.73	7821	84.6	37.7	1378.26	13844	294.7	37.6	1339.20	468.1	156.2	0.1	6
7	1345.97	5219	73.7	38.5	1333.66	7806	81.8	38.0	1379.63	14251	284.3	37.6	1339.20	698.8	141.6	26.6	7
8	1345.95	5215	75.3	76.7	1333.56	7735	79.3	33.0	1380.96	14612	290.0	37.5	1339.20	934.2	130.3	40.8	8
9	1346.02	5229	69.0	60.2	1333.46	7767	76.7	36.7	1382.34	14984	296.1	37.4	1340.27	1314.4	121.4	40.5	9
10	1346.09	5243	68.2	60.2	1333.40	7732	79.2	36.9	1383.73	15346	266.8	37.4	1341.21	1504.0	116.3	41.2	10
11	1346.12	5249	64.6	60.2	1333.42	7734	78.5	74.7	1385.13	15738	262.2	163.47	1342.42	1707.0	114.1	41.0	11
12	1346.13	5250	60.8	60.2	1333.46	7763	77.0	69.7	1386.56	16225	1308.45	144.5	1343.11	1908.4	110.8	40.5	12
13	1346.12	5247	361.2	50.2	1333.46	7763	72.6	70.9	1388.07	16742	565.5	1039.8	1344.25	1575.6	107.1	40.5	13
14	1352.43	7540	428.6	78.2	1333.44	7758	70.1	70.3	1389.56	17242	434.7	599.9	1345.22	1705	106.8	41.0	14
15	1349.30	4884	236.3	53.3	1333.39	7748	67.3	70.3	1391.07	17738	403.8	673.0	1346.55	1837	103.0	41.0	15
16	1345.85	4196	205.8	53.1	1333.72	7819	106.1	70.3	1392.54	18239	243.0	660.4	1347.04	1962	105.2	41.5	16
17	1346.70	4362	173.5	38.6	1334.16	7915	135.7	76.1	1394.02	18744	239.3	675.4	1348.48	2089	104.9	40.2	17
18	1347.47	5515	166.7	38.6	1334.16	7915	85.7	84.5	1395.51	19251	237.9	647.0	1349.87	2219	105.3	39.5	18
19	1348.27	6675	171.2	39.3	1334.13	7909	82.3	84.8	1397.00	19761	235.0	648.0	1351.24	2343	103.6	39.7	19
20	1348.97	8816	162.7	90.0	1333.20	8144	203.2	34.8	1398.50	20271	203.2	270.3	1352.63	2465	102.5	40.0	20
21	1350.55	9942	135.2	90.0	1333.66	8470	235.0	33.4	1399.99	20781	199.4	270.3	1354.02	2587	101.3	40.0	21
22	1350.16	7051	149.6	38.0	1333.62	8470	235.0	33.4	1401.48	21291	199.4	270.3	1355.41	2709	100.4		

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DAM OPERATION RECORD																	
LOS ANGELES COUNTY																	
FLOOD CONTROL DISTRICT																	
HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of <u>SAN GABRIEL</u> Dam																	
In <u>San Gabriel Canyon</u> for the Year Ending September 30, 1954.																	
Continuous Water Stage Recorder <u>AL</u>																	
Drainage Area <u>202.7</u> Square Miles. Capacity of Reservoir <u>43953</u> Ac. Ft. at Spillway Elev. <u>1453</u> Ft. as of <u>January</u> , 1953. Survey <u>Gage Heights</u> Read <u>daily</u>																	
Day	June				July				August				September				Day
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1332.92	3619	76.8	39.8	1338.83	4942	40.9	43.5	1337.13	4670	36.6	44.8	1330.76	3733	33.4	50.2	1
2	1330.44	3690	76.8	39.8	1338.87	4949	51.0	44.9	1337.01	4651	37.2	44.8	1330.49	3697	33.3	50.1	2
3	1330.94	3758	74.7	39.5	1338.90	4954	49.2	44.9	1336.90	4634	38.0	44.8	1330.25	3664	39.1	54.0	3
4	1331.44	3827	75.7	39.7	1338.91	4955	47.7	44.9	1336.80	4618	38.7	44.8	1330.23	3661	56.4	55.9	4
5	1331.95	3898	77.3	39.8	1338.90	4954	46.7	44.6	1336.70	4602	39.0	45.1	1330.22	3660	57.3	55.9	5
6	1332.40	3962	74.5	39.8	1338.89	4952	46.6	44.9	1336.58	4583	38.0	45.2	1330.20	3657	56.3	55.9	6
7	1332.82	4021	71.7	39.8	1338.87	4949	45.8	44.9	1336.43	4560	36.0	45.2	1330.17	3653	55.9	55.9	7
8	1333.27	4081	71.4	39.8	1338.84	4944	44.7	44.9	1336.30	4540	37.3	45.2	1330.14	3649	55.9	55.9	8
9	1333.63	4145	74.0	40.0	1338.80	4938	44.2	44.9	1336.16	4519	36.3	45.2	1330.10	3644	55.2	55.9	9
10	1334.07	4203	70.9	40.0	1338.76	4931	43.7	44.9	1336.03	4497	35.6	45.2	1330.04	3635	53.2	55.9	10
11	1334.45	4260	71.0	40.2	1338.72	4925	43.9	44.9	1335.89	4470	34.8	45.2	1330.01	3631	55.6	55.9	11
12	1334.78	4310	66.7	40.2	1338.67	4917	43.0	44.9	1335.75	4446	34.9	45.2	1330.00	3629	53.0	55.9	12
13	1335.15	4364	68.3	40.2	1338.63	4910	42.9	44.9	1335.61	4419	37.1	48.6	1330.00	3629	53.0	55.9	13
14	1335.50	4417	68.3	40.2	1338.59	4904	44.0	44.9	1335.49	4395	35.3	50.5	1330.00	3613	54.6	55.5	14
15	1335.83	4467	66.4	40.2	1338.52	4892	41.2	44.9	1335.37	4372	36.6	50.6	1329.97	3602	51.3	55.2	15
16	1336.14	4515	65.5	40.2	1338.45	4881	41.5	44.9	1335.24	4346	34.9	50.6	1329.92	3593	52.2	55.2	16
17	1336.44	4562	64.9	40.2	1338.39	4871	41.8	44.9	1335.12	4322	33.2	50.6	1329.86	3585	53.1	55.2	17
18	1336.74	4608	64.9	40.2	1338.30	4857	40.0	44.9	1334.97	4292	35.0	50.6	1329.80	3575	52.6	55.2	18
19	1336.99	4647	61.7	40.2	1338.23	4845	40.9	44.9	1334.80	4265	34.0	50.6	1329.74	3561	50.5	55.2	19
20	1337.18	4678	57.6	40.2	1338.14	4831	40.0	44.9	1334.64	4170	34.9	50.7	1329.66	3546	49.9	55.2	20
21	1337.36	4706	55.8	40.2	1338.07	4819	40.9	44.9	1334.51	4136	35.3	50.7	1329.58	3527	47.4	55.2	21
22	1337.53	4733	55.3	40.2	1338.00	4808	41.4	44.8	1334.37	4101	34.4	50.6	1329.50	3510	48.4	55.2	22
23	1337.68	4757	53.8	40.2	1337.93	4793	40.0	44.8	1334.21	4063	33.0	50.5	1329.42	3495	49.4	55.0	23
24	1337.85	4784	53.4	40.2	1337.88	4789	42.9	44.8	1334.08	4030	35.7	50.5	1329.34	3477	47.8	55.0	24
25	1338.00	4808	53.5	40.2	1337.85	4784	43.9	44.8	1333.92	3996	34.9	50.4	1329.26	3456	46.4	54.8	25
26	1338.18	4837	56.2	40.2	1337.79	4775	42.1	44.8	1333.78	3962	35.2	50.4	1329.18	3436	46.3	54.8	26
27	1338.38	4870	58.7	40.2	1337.72	4763	40.9	44.8	1333.61	3925	34.1	50.4	1329.10	3416	46.1	54.8	27
28	1338.52	4892	53.2	40.2	1337.61	4746	38.4	44.8	1333.47	3887	33.0	50.4	1329.02	3404	50.0	55.1	28
29	1338.67	4917	54.7	40.2	1337.50	4729	38.5	44.8	1333.31	3851	34.2	50.3	1328.94	3403	56.1	55.6	29
30	1338.78	4934	51.2	40.2	1337.40	4713	39.0	44.8	1333.18	3810	31.8	50.3	1328.84	3399	55.1	55.7	30
31					1337.26	4690	35.2	44.8	1333.02	3769	31.2	50.2					31
TOTAL		1946.9	1202.0			1331.9	1389.2			1096.2	1498.2			1518.4	1651.4		
Inf. Ac. Ft.		3851.6				2641.8				2174.3				3011.7	6051.4		
Outf. Ac. Ft.		2584.1	(91.4)			2755.4	(130.3)			2971.6	(123.6)			3275.5	(406.1)		(71.2)
Maximum		77.3				51.0				39.0				57.3			
Minimum		51.2				35.2				31.2				35.3			
Max Daily Inflow																	
Max Daily Inflow Storage Change		-138.6				-24.4				-92.1				-37.0			+3279.8

NOTE: Gage Heights and Storages as of Midnight on Day Shown

RECORDS COLLECTED BY		COMPUTATIONS	
O. B. WATKINS	Dam Tender	Gage Hts. copied	JHL HRW
E. K. DE VORE	Hydrographer	Storage applied	JHL HRW
	Hydrographer	Inf. & Outf. comp.	JHL HRW

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DAM OPERATION RECORD																	
LOS ANGELES COUNTY																	
FLOOD CONTROL DISTRICT																	
HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of <u>SAN GABRIEL</u> Dam																	
In <u>San Gabriel Canyon</u> for the Year Ending September 30, 1955.																	
Continuous Water Stage Recorder																	
Drainage Area <u>202.7</u> Square Miles. Capacity of Reservoir <u>44,013</u> Ac. Ft. at Spillway Elev. <u>1453.0</u> Ft. as of <u>May</u> , 1954. Survey <u>Gage Heights</u> read <u>daily</u>																	
Day	October				November				December				January				Day
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1308.19	3553	53.7	55.7	1308.43	1532	23.3	46.7	1307.13	1434	26.0	30.2	1308.69	1552	41.2	35.0	1
2	1308.10	3541	50.8	55.7	1308.07	1504	21.5	35.3	1307.03	1427	26.7	30.2	1309.50	1616	67.4	35.0	2
3	1307.99	3516	44.2	35.7	1307.73	1479	23.2	35.3	1307.21	1440	26.8	30.2	1309.50	1641	47.8	35.0	3
4	1307.87	3479	33.2	35.7	1307.36	1431	21.9	35.3	1308.56	1542	33.7	32.1	1309.51	1649	39.5	35.0	4
5	1307.76	3423	23.3	35.7	1306.96	1422	21.3	35.3	1308.95	1573	51.1	35.2	1309.86	1645	39.7	41.7	5
6	1307.67	3363	23.4	35.6	1306.54	1392	20.9	35.3	1309.15	1588	43.0	35.2	1309.85	1645	45.0	44.9	6
7	1307.57	3297	23.4	35.5	1306.11	1361	20.3	35.3	1309.23	1595	39.0	35.2	1309.87	1646	45.8	44.9	7
8	1307.44	3232	24.0	35.4	1305.68	1332	21.2	35.2	1309.26	1597	36.5	35.2	1309.79	1640	42.1	44.9	8
9	1307.35	3160	20.4	35.4	1305.24	1302	20.3	35.1	1309.36	1605	39.3	35.2	1309.67	1630	40.0	45.0	9
10	1307.24	3091	21.7	35.2	1304.86	1276	22.0	35.1	1309.62	1642	54.2	35.2	1310.09	1664	74.7	57.4	10
11	1307.18	3022	21.3	35.0	1304.79	1483	13.9	35.4	1310.05	1661	45.2	35.2	1309.99	1656	67.0	70.6	11
12	1307.13	2990	19.4	34.8	1304.89	1568	78.7	35.6	1310.14	1668	39.1	35.2	1309.68	1631	58.4	70.6	12
13	1307.04	2880	20.4	34.6	1304.36	1605	55.1	35.0	1310.19	1672	37.6	35.2	1309.24	1596	53.0	70.4	13
14	1306.90	2803	19.3	34.3	1303.58	1623	45.7	35.4	1310.21	1674	36.5	35.2	1308.77	1599	51.2	69.6	14
15	1306.81	2733	19.0	34.4	1302.69	1622	40.5	35.3	1310.20	1673	35.0	35.2	1308.25	1518	48.7	69.4	15
16	1306.62	2695	18.5	35.1	1302.74	1635	38.1	35.6	1310.16	1670	34.0	35.2	1308.40	1530	75.4	69.0	16
17	1306.50	2657	18.1	35.1	1302.72	1634	35.1	35.6	1310.12	1666	33.5	35.1	1308.30	1522	65.9	69.8	17
18	1306.39	2602	19.1	35.1	1302.64	1628	33.3	35.6	1310.05	1661	33.1	35.1	1308.50	1516	126.3	78.9	18
19	1306.33	2425	18.7	35.9	1302.54	1620	32.2	35.6	1309.98	1655	32.6	35.1	1310.31	1632	117.9	84.4	19
20	1306.27	2343	18.1	35.7	1302.39	1608	30.2	35.6	1309.89	1648	32.1	35.1	1310.42	1691	87.8	83.1	20
21	1306.19	2275	19.9	35.6	1302.20	1592	28.1	35.5	1309.79	1640	31.4	35.0	1310.24	1676	75.9	83.1	21
22	1306.17	2203	19.3	35.3	1302.98	1575	27.4	35.5	1309.70	1633	32.0	35.0	1309.91	1649	69.8	83.1	22
23	1306.10	2130	18.9	35.1	1302.77	1550	27.9	35.5	1309.60	1625	31.4	35.0	1309.51	1617	67.4	83.2	23
24	1306.14	2063	21.9	34.8	1302.53	1540	26.4	35.5	1309.50	1616	30.8	35.0	1309.07	1582	66.5	83.7	24
25	1306.11	1993	20.4	34.7	1302.32	1524	28.0	35.5	1309.37	1606	30.3	35.0	1308.66	1550	67.5	83.4	25
26	1306.13	1924	20.9	34.6	1302.07	1504	25.8	35.4	1309.16	1597	29.6	35.0	1308.25	1521	69.0	83.1	26
27	1306.12	1837	21.5	34.3	1301.80												



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DAM OPERATION RECORD																	
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of SAN GABRIEL Dam																	
In San Gabriel Canyon for the Year Ending September 30, 19 55																	
Drainage Area 202.7 Square Miles Capacity of Reservoir 44,013 Ac. Ft. at Spillway Elev. 1453.0 Ft. as of May 19 54 Survey Gage Heights read daily Continuous Water Stage Recorder Au																	
Day	February				March				April				May				Day
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1305.61	1397	73.1	82.4	1312.39	1850	92.8	65.1	1324.50	5095	72.4	65.1	1333.37	4261	170.9	34.9	
2	1306.31	1375	71.4	82.0	1312.85	1952	88.2	65.1	1324.61	5108	72.9	65.1	1334.37	4408	110.1	35.1	
3	1305.99	1353	70.7	81.4	1313.34	1942	87.1	65.0	1324.72	5121	72.9	65.1	1335.13	4521	93.2	35.1	
4	1305.62	1327	69.1	80.8	1313.77	1930	85.3	65.0	1324.81	5132	71.6	65.1	1336.00	4653	102.8	35.2	
5	1305.19	1298	65.2	80.5	1314.16	2016	84.3	65.0	1324.87	5137	69.0	65.1	1336.96	4803	111.7	35.4	
6	1304.71	1267	65.0	80.2	1314.51	2048	82.3	65.0	1324.91	5139	67.8	65.1	1337.87	4947	103.5	35.4	
7	1304.14	1230	61.9	80.2	1314.81	2077	81.1	65.0	1324.91	5139	65.7	65.0	1338.83	5133	120.6	35.5	
8	1304.10	1227	61.9	80.0	1315.11	2103	79.6	65.0	1324.95	5133	64.4	65.0	1340.19	5339	135.1	35.4	
9	1304.64	1262	62.3	80.2	1315.40	2130	79.1	65.0	1324.94	5137	63.6	65.0	1341.20	5503	124.1	35.4	
10	1305.21	1300	60.2	80.7	1315.68	2176	87.6	64.6	1324.90	5134	62.0	65.0	1342.18	5675	122.4	34.6	
11	1305.17	1297	60.2	80.6	1315.99	2242	113.5	64.6	1324.86	5131	62.2	64.9	1343.07	5836	117.3	34.4	
12	1304.54	1266	61.5	81.7	1316.27	2339	103.9	64.7	1324.79	5137	60.7	64.9	1343.91	5990	114.3	34.5	
13	1303.92	1216	61.9	81.7	1316.46	2442	100.5	64.9	1324.70	5133	59.5	64.9	1344.67	6132	107.9	34.9	
14	1303.32	1172	63.0	81.4	1316.60	2494	98.2	64.9	1324.60	5132	60.7	64.9	1345.44	6278	110.0	34.9	
15	1303.07	1163	65.5	81.3	1316.72	2532	98.2	64.9	1324.50	5137	62.4	64.9	1346.13	6410	103.4	34.8	
16	1302.26	1175	71.6	81.5	1316.80	2624	98.7	65.1	1324.44	5133	67.7	65.0	1346.79	6540	102.2	34.7	
17	1301.76	1177	73.4	81.6	1316.86	2675	91.6	65.1	1324.40	5134	64.9	65.0	1347.38	6659	96.7	34.7	
18	1301.47	1174	71.4	81.6	1316.90	2726	91.6	65.0	1324.35	5135	64.9	65.0	1347.94	6764	93.2	34.9	
19	1301.76	1153	73.4	81.6	1316.95	2760	94.5	65.0	1324.30	5135	64.9	65.0	1348.40	6851	87.4	34.9	
20	1301.13	1150	74.7	81.7	1317.00	2808	106.5	65.7	1324.24	5132	69.0	65.0	1348.84	6923	87.4	34.9	
21	1300.48	1141	76.3	81.6	1317.00	2844	104.2	65.9	1324.18	5132	68.3	65.2	1349.22	7035	80.4	34.8	
22	1300.48	1147	76.3	81.5	1317.00	2874	111.9	65.9	1324.10	5132	68.3	65.2	1349.67	7112	70.3	34.5	
23	1300.11	1135	75.5	81.5	1317.00	2908	102.1	65.1	1324.07	5132	68.8	65.0	1349.91	7190	65.6	34.5	
24	1300.30	1150	73.9	81.5	1317.00	2931	77.8	65.1	1324.01	5131	63.5	65.3	1350.01	7273	58.1	34.5	
25	1300.48	1141	73.5	81.5	1317.00	2933	78.2	65.1	1323.95	5130	65.2	65.3	1350.08	7350	65.4	34.5	
26	1300.66	1133	72.9	81.5	1317.00	2973	77.8	65.1	1323.88	5130	67.4	65.3	1351.11	7419	81.6	34.5	
27	1300.92	1133	73.4	81.5	1317.00	3001	77.8	65.1	1323.80	5130	65.9	65.0	1351.42	7485	60.4	34.5	
28	1301.17	1107	73.6	81.5	1317.00	3034	77.8	65.1	1323.70	5130	64.6	65.0	1351.68	7542	65.7	34.5	
29					1317.00	3069	77.8	65.1	1323.60	5130	61.7	65.0	1351.93	7593	72.3	34.5	
30					1317.00	3098	74.0	65.1	1323.50	5130	61.3	65.0	1352.20	7551	75.4	34.5	
31					1317.00	3134	74.0	65.1					1352.47	7709	76.4	34.5	
TOTAL		122.9	1955.0			2419.3	2022.5			2509.1	1547.0			5139.9	1274.5		
Inf. Ac. Ft.	4249.4					8349				4042.8							
Out. Ac. Ft.	3777.7	(10.0)				1163	(4.4)			3584.4	(65.0)			2407.5	(34.5)	25109.1 (343.5)	
Max. Daily Inflow	133.4					113.6				123.3				170.9		170.9	
Min. Daily Inflow	60.2					74.0				50.5				72.3		18.1	
Storage Change	+371.					+1276.				+710.0				+371.5		+415.0	

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DAM OPERATION RECORD																	
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of SAN GABRIEL Dam																	
In San Gabriel Canyon for the Year Ending September 30, 19 55																	
Drainage Area 202.7 Square Miles Capacity of Reservoir 44,013 Ac. Ft. at Spillway Elev. 1453.0 Ft. as of May 19 54 Survey Gage Heights read daily Continuous Water Stage Recorder Au																	
Day	June				July				August				September				Day
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1352.73	7765	75.2	45.3	1355.22	8340	50.4	44.9	1355.20	16764	34.4	49.8	1344.48	6162	27.5	55.5	
2	1352.99	7821	75.2	45.3	1355.33	8344	48.5	44.9	1355.20	16768	34.4	49.8	1344.48	6162	27.5	55.5	
3	1352.19	7844	69.7	45.3	1355.33	8349	48.9	44.9	1355.15	17568	32.1	50.1	1344.47	6139	27.4	55.5	
4	1353.38	7905	63.1	45.2	1355.33	8349	47.2	44.9	1355.16	17538	36.1	50.2	1344.38	5971	27.4	55.4	
5	1353.54	7940	64.9	45.4	1355.33	8347	46.7	44.9	1355.15	17508	37.9	50.3	1344.37	5909	26.2	55.5	
6	1353.70	7975	64.4	45.4	1355.33	8340	43.9	44.9	1355.13	17472	34.6	50.3	1344.37	5839	23.3	55.3	
7	1353.87	8012	65.2	45.4	1355.33	8333	44.2	44.9	1355.11	17436	34.7	50.3	1344.27	5774	25.3	55.3	
8	1354.00	8040	61.7	45.4	1355.33	8322	43.4	46.6	1355.09	17394	31.6	50.3	1344.27	5710	26.0	55.1	
9	1354.12	8066	60.9	45.6	1355.33	8320	42.6	50.3	1355.07	17352	31.4	50.2	1344.20	5643	24.4	55.7	
10	1354.24	8093	61.0	45.6	1355.33	8320	41.6	50.5	1355.06	17315	34.1	50.2	1344.16	5578	25.7	55.7	
11	1354.37	8121	62.2	45.6	1355.33	8322	43.7	50.5	1355.04	17275	31.8	50.1	1344.14	5510	24.0	55.7	
12	1354.49	8148	61.7	45.6	1355.33	8324	42.6	50.2	1355.02	17238	33.9	50.1	1344.08	5444	25.5	55.5	
13	1354.61	8174	60.0	45.6	1355.33	8321	44.4	50.0	1355.00	17200	33.4	50.1	1344.07	5377	25.5	55.4	
14	1354.73	8201	61.0	45.6	1355.33	8317	41.1	49.8	1354.98	17157	30.8	50.1	1344.09	5312	24.8	55.5	
15	1354.85	8223	59.7	45.6	1355.33	8317	41.6	49.8	1354.96	17110	29.0	50.1	1343.99	5248	24.8	55.5	
16	1354.91	8240	56.7	45.6	1355.33	8316	40.9	49.8	1354.93	17060	27.7	50.1	1343.94	5187	27.1	55.4	
17	1354.98	8256	56.3	45.6	1355.33	8311	39.7	49.8	1354.91	17015	30.4	50.1	1343.88	5127	26.8	55.4	
18	1355.02	8264	52.6	45.6	1355.33	8308	36.3	49.8	1354.89	16964	31.0	50.7	1343.86	5075	31.1	55.4	
19	1355.05	8271	52.1	45.6	1355.33	8305	35.9	49.8	1354.86	16911	31.9	55.5	1343.85	5025	32.1	55.4	
20	1355.08	8278	52.0	45.6	1355.33	8302	39.4	49.6	1354.83	16857	31.7	55.5	1343.82	4971	30.6	55.4	
21	1355.10	8282	50.6	45.3	1355.33	8301	39.4	49.8	1354.80	16798	28.6	55.5	1343.76	4919	30.5	55.1	
22	1355.10	8284	47.9	45.1	1355.33	8300	39.4	49.8	1354.77	16738	29.3	55.4	1343.77	4868	30.8	55.5	
23	1355.11	8284	48.8	45.0	1355.33	8295	37.4	49.8	1354.75	16684	30.1	55.2	1343.70	4815	29.6	55.5	
24	1355.12	8287	48.4	44.8	1355.33	8294	36.8	49.8	1354.72	16633	31.1	55.2	1343.66	4772	35.0	55.1	
25	1355.16	8296	51.1	44.9	1355.33	8293	37.2	49.8	1354.69	16579	31.3	55.2	1343.65	4719	29.8	55.5	
26	1355.20	8304	50.9	45.1	1355.33	8293	37.0	49.8	1354.67	16522	31.0	55.0	1343.60	4667	29.9	55.4	
27	1355.27	8320	51.7	45.1	1355.33	8293	34.5	49.8	1354.64	16465	29.5	54.9	1343.55	4613	29.0	55.4	
28	1355.30	8327	50.1	45.1	1355.33	8293	34.6	49.8	1354.61	16405	29.4	54.9	1343.55	4510	29.8	55.4	
29	1355.33	8333	49.9	44.9	1355.33	8293	34.0	49.8	1354.58	16346	26.9	54.7	1343.46	4455	29.1	55.4	
30					1355.33	8293	37.4	49.6	1354.51	16286	27.7	55.2					
31					1355.33	8293	37.4	49.6									
TOTAL		1742.3	1360.2			1265.4	1509.8			974.4	1623.1			835.1	1655.9		
Inf. Ac. Ft.		3455.8				2509.9				1932.7				1656.4		39159.3	
Out. Ac. Ft.		2697.9	(133.9)			29											

BIG DALTON

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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, 1954

Drainage Area 4.49 Square Miles. Capacity of Reservoir 951.6 Ac. Ft. at Spillway Elev. 1706.0 Ft. as of September 1944 Survey Continuous Water Stage Recorder AU  
Gage Heights Read Daily

Day	October				November				December				January				Day
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1639.8	69.0	0.02	0	1628.0	27.5	0.04	0	1628.5	28.8	0	0	1628.7	29.3	0.01	0	
2	1639.3	66.8	0.02	1.5	1628.0	27.5	0.03	0	1628.5	28.8	0	0	1628.7	29.3	0.01	0	
3	1638.1	61.5	0.03	2.6	1628.0	27.7	0.03	0	1628.5	28.8	0	0	1628.7	29.3	0.01	0	
4	1637.0	56.9	0.03	2.5	1628.0	27.7	0.03	0	1628.5	28.8	0	0	1628.7	29.3	0.01	0	
5	1635.8	52.2	0.04	2.4	1628.0	27.7	0.03	0	1628.5	28.8	0	0	1628.7	29.3	0.01	0	
6	1634.5	47.4	0.1	2.4	1628.0	27.7	0.03	0	1628.5	28.8	0	0	1628.7	29.3	0.01	0	
7	1633.2	42.9	0.1	2.3	1628.1	27.8	0.03	0	1628.5	28.8	0	0	1628.7	29.3	0.01	0	
8	1631.9	38.6	0.1	2.1	1628.1	27.8	0.03	0	1628.5	28.8	0	0	1628.7	29.3	0.01	0	
9	1630.5	34.4	0.1	2.0	1628.1	27.8	0.03	0	1628.5	28.8	0	0	1628.7	29.3	0.01	0	
10	1629.1	30.4	0.1	2.0	1628.1	27.8	0.03	0	1628.5	28.8	0	0	1628.7	29.3	0.01	0	
11	1627.6	26.5	0.2	1.9	1628.1	27.8	0.03	0	1628.5	28.8	0	0	1628.8	29.6	0.2	0	
12	1627.1	25.2	0.2	1.8	1628.1	27.8	0.03	0	1628.5	28.8	0	0	1628.9	29.8	0.05	0	
13	1627.2	25.5	0.1	1.8	1628.2	28.0	0.03	0	1628.5	28.8	0	0	1628.9	29.8	0.03	0	
14	1627.4	26.0	0.1	1.8	1628.3	28.3	0.1	0	1628.5	28.8	0	0	1628.9	29.8	0.03	0	
15	1627.5	26.2	0.1	1.8	1628.3	28.3	0.03	0	1628.5	28.8	0	0	1628.9	29.8	0.03	0	
16	1627.5	26.2	0.1	1.8	1628.3	28.3	0.03	0	1628.5	28.8	0	0	1628.9	29.8	0.03	0	
17	1627.6	26.5	0.05	1.8	1628.3	28.3	0.03	0	1628.5	28.8	0	0	1628.9	29.8	0.03	0	
18	1627.6	26.5	0.05	1.8	1628.3	28.3	0.03	0	1628.5	28.8	0	0	1629.0	30.1	0.02	0	
19	1627.6	26.5	0.05	1.8	1628.3	28.3	0.03	0	1628.5	28.8	0	0	1629.0	30.1	0.02	0	
20	1627.7	26.8	0.05	1.8	1628.3	28.3	0.03	0	1628.5	28.8	0	0	1629.6	31.8	0.9	0	
21	1627.7	26.8	0.05	1.8	1628.4	28.5	0.03	0	1628.7	29.3	0	0	1629.7	32.1	0.1	0	
22	1627.8	27.0	0.05	1.8	1628.4	28.5	0.03	0	1628.7	29.3	0	0	1629.8	32.3	0.1	0	
23	1627.8	27.0	0.05	1.8	1628.4	28.5	0.02	0	1628.7	29.3	0	0	1629.9	32.6	0.2	0	
24	1627.8	27.0	0.05	1.8	1628.4	28.5	0.02	0	1628.7	29.3	0	0	1631.0	33.8	1.6	0	
25	1627.8	27.0	0.05	1.8	1628.4	28.5	0.02	0	1628.7	29.3	0	0	1633.1	35.5	1.9	0	
26	1627.8	27.0	0.05	1.8	1628.4	28.5	0.02	0	1628.7	29.3	0	0	1633.4	35.8	2.7	0	
27	1627.9	27.2	0.04	1.8	1628.4	28.5	0.02	0	1628.7	29.3	0	0	1640.1	70.4	1.8	0	
28	1627.9	27.2	0.04	1.8	1628.4	28.5	0.02	0	1628.7	29.3	0	0	1640.4	71.8	0.8	0	
29	1627.9	27.2	0.04	1.8	1628.4	28.5	0.02	0	1628.7	29.3	0	0	1640.7	73.7	0.8	0	
30	1628.0	27.5	0.04	1.8	1628.5	28.8	0.02	0	1628.7	29.3	0	0	1641.1	75.1	0.8	0	
31	1628.0	27.5	0.04	1.8	1628.5	28.8	0.02	0	1628.7	29.3	0	0	1641.4	76.5	0.7	0	
TOTAL			2.1	22.6			0.9	0			0.5	0			24.0	0.02	
Inf. Ac. Ft.			4.2				1.8				1.0				47.6		
Outf. Ac. Ft.			44.8	(1.2)			0	(0.5)			0	(0.5)			0	44.8 + (2.6)	
Maximum			0.2				0.1				0				12.9		
Mean Daily Inflow			0.02				0.02				0				0.01		
Minimum																	
Mean Daily Inflow																	
Mean Daily Inflow																	
Storage Change			-41.9			+1.3				+0.5				+47.3		+7.2	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

RECORDS COLLECTED BY: D. E. WILSON (Dam Tender), G. H. MIDDLETON (Hydrographer)

COMPUTATIONS: Gage Hts. copied (JHL, HRW), Storage applied (JHL, HRW), Inf. & Outf. comp. (JHL, HRW)

REMARKS: ( ) INDICATES AVERAGE FOR PERIOD OR PRORATED AMOUNTS; ( ) INDICATES EVAPORATION LOSSES

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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, 1954

Drainage Area 4.49 Square Miles. Capacity of Reservoir 951.6 Ac. Ft. at Spillway Elev. 1706.0 Ft. as of September 1944 Survey Continuous Water Stage Recorder AU  
Gage Heights Read Daily

Day	February				March				April				May				Day
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1641.7	79.0	0.5	0	1630.0	136.3	0.7	0	1660.8	209.5	3.2	0	1667.2	281.1	0.6	0	
2	1641.9	79.0	0.5	0	1630.0	137.7	0.7	0	1660.8	214.0	2.5	0	1667.3	282.2	0.6	0	
3	1642.0	79.5	0.5	0	1630.0	139.1	0.7	0	1661.3	218.8	2.4	0	1667.4	283.4	0.6	0	
4	1642.0	80.5	0.5	0	1630.0	140.5	0.7	0	1661.8	223.6	2.4	0	1667.4	283.4	0.6	0	
5	1642.4	81.5	0.5	0	1630.8	141.9	0.7	0	1662.2	227.5	2.1	0	1667.5	284.6	0.6	0	
6	1642.7	82.7	0.3	0	1631.0	143.3	0.7	0	1662.5	231.5	1.7	0	1667.6	285.7	0.6	0	
7	1642.7	83.1	0.4	0	1631.2	144.7	0.6	0	1662.9	235.4	1.7	0	1667.7	286.8	0.5	0	
8	1642.7	83.6	0.4	0	1631.4	146.1	0.6	0	1663.2	239.2	1.7	0	1667.7	287.9	0.5	0	
9	1642.7	84.1	0.3	0	1631.6	147.5	0.6	0	1663.5	243.0	1.7	0	1667.8	288.0	0.5	0	
10	1642.7	84.6	0.3	0	1631.8	148.9	0.6	0	1663.8	246.7	1.6	0	1667.9	288.2	0.5	0	
11	1642.7	85.0	0.3	0	1631.8	149.1	0.6	0	1664.0	250.5	1.4	0	1668.0	290.3	0.5	0	
12	1642.7	85.5	0.3	0	1631.9	149.8	0.6	0	1664.3	254.0	1.3	0	1668.1	291.5	0.5	0	
13	1642.7	86.0	0.3	0	1632.0	150.5	0.6	0	1664.5	258.2	1.3	0	1668.1	291.5	0.5	0	
14	1642.7	86.5	0.3	0	1632.0	151.2	0.6	0	1664.8	262.4	1.3	0	1668.2	292.7	0.5	0	
15	1642.7	87.0	0.3	0	1632.0	151.9	0.6	0	1665.0	266.5	1.3	0	1668.2	293.9	0.5	0	
16	1642.7	87.5	0.3	0	1632.0	152.6	0.6	0	1665.2	270.7	1.0	0	1668.4	295.1	0.4	0	
17	1642.7	88.0	0.3	0	1632.0	153.3	0.6	0	1665.4	274.9	1.0	0	1668.4	296.3	0.4	0	
18	1642.7	88.5	0.3	0	1632.0	154.0	0.6	0	1665.5	279.1	0.9	0	1668.4	297.5	0.4	0	
19	1642.7	89.0	0.3	0	1632.0	154.7	0.6	0	1665.6	283.3	0.9	0	1668.4	298.7	0.4	0	
20	1642.7	89.5	0.3	0	1632.0	155.4	0.6	0	1665.6	287.5	0.9	0	1668.4	299.9	0.4	0	
21	1642.7	90.0	0.3	0	1632.0	156.1	0.6	0	1665.6	291.7	0.8	0	1668.4	301.1	0.4	0	
22	1642.7	90.5	0.3	0	1632.0	156.8	0.6	0	1665.6	295.9	0.8	0	1668.4	302.3	0.4	0	
23	1642.7	91.0	0.3	0	1632.0	157.5	0.6	0	1665.6	300.1	0.8	0	1668.4	303.5	0.4	0	
24	1642.7	91.5	0.3	0	1632.0	158.2	0.6	0	1665.6	304.3	0.7	0	1668.4	304.7	0.4	0	
25	1642.7	92.0	0.3	0	1632.0	158.9	0.6	0	1665.6	308.5	0.7	0	1668.4	305.9	0.4	0	
26	1642.7	92.5	0.3	0	1632.0	159.6	0.6	0	1665.6	312.7	0.7	0	1668.4	307.1	0.4	0	
27	1642.7	93.0	0.3	0	1632.0	160.3	0.6	0	1665.6	316.9	0.7	0	1668.4	308.3	0.4	0	
28	1642.7	93.5	0.3	0	1632.0	161.0	0.6	0	1665.6	321.1	0.7	0	1668.4	309.5	0.4	0	
29	1642.7	94.0	0.3	0	1632.0	161.7	0.6	0	1665.6	325.3	0.7	0	1668.4	310.7	0.4	0	
30	1642.7	94.5	0.3	0	1632.0	162.4	0.6	0	1665.6	329.5	0.7	0	1668.4	311.9	0.4	0	
31	1642.7	95.0	0.3	0	1632.0	163.1	0.6	0	1665.6	333.7	0.7	0	1668.4	313.1	0.4	0	
TOTAL			41.4	15.4			40.1	0			40.0	0			122.2	0(2.0)	
Inf. Ac. Ft.			32.1				79.5				79.5				321.7		
Outf. Ac. Ft.			32.5	(1.2)			0	(1.5)			0	(2.4)			0	321.7 + (11.9)	
Maximum			4.6				4.8				3.2				0.6		
Mean Daily Inflow			0.3				0.5				0.7				0.3		
Minimum																	
Mean Daily Inflow																	
Mean Daily Inflow																	

BIG DALTON (Cont'd)

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DAM OPERATION RECORD																	
LOS ANGELES COUNTY																	
FLOOD CONTROL DISTRICT																	
HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of <u>BIG DALTON</u> Dam															Continuous Water Stage Recorder <u>AU</u>		
In <u>Big Dalton Canyon</u> for the Year Ending September 30, 1954.																	
Drainage Area <u>4.49</u> Square Miles Capacity of Reservoir <u>961.0</u> Ac. Ft. at Spillway Elev. <u>1706.0</u> Ft. as of <u>September</u> 19 <u>44</u> Survey															Gage Heights <u>Read daily</u>		
Day	June				July				August				September				Day
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1659.0	302.2	0.3	0	1657.6	309.5	0.1	0	1659.2	304.6	0	0	1651.0	215.9	0.3	5.5	1
2	1659.0	302.2	0.3	0	1657.6	309.5	0.0	0	1659.2	304.6	0	0	1659.8	204.7	0.2	5.4	2
3	1659.1	303.4	0.3	0	1657.6	309.5	0.0	0	1659.2	304.6	0	0	1658.6	192.8	0.2	5.4	3
4	1659.2	304.6	0.3	0	1657.6	309.5	0.0	0	1659.2	304.6	0	0	1657.4	182.4	0.2	5.3	4
5	1659.2	304.6	0.2	0	1657.6	309.5	0.0	0	1659.1	303.4	0	0	1655.2	172.3	0.1	5.3	5
6	1659.2	304.6	0.2	0	1657.6	309.5	0.0	0	1659.1	303.4	0	0	1654.9	162.4	0.1	5.2	6
7	1659.2	304.6	0.2	0	1657.6	309.5	0.0	0	1659.1	303.4	0	0	1653.5	144.2	0.1	5.1	7
8	1659.2	304.6	0.2	0	1657.5	308.2	0.0	0	1659.1	303.4	0	0	1651.1	134.0	0.1	5.0	8
9	1659.3	305.8	0.2	0	1657.5	308.2	0.0	0	1659.1	303.4	0	0	1649.7	124.3	0.1	4.9	9
10	1659.3	305.8	0.2	0	1657.5	308.2	0.0	0	1659.0	302.2	0	0	1648.2	114.5	0.1	4.8	10
11	1659.3	305.8	0.2	0	1657.5	308.2	0.0	0	1659.0	302.2	0	0	1646.8	105.8	0.1	4.8	11
12	1659.3	305.8	0.2	0	1657.5	308.2	0.0	0	1659.0	302.2	0	0	1645.3	97.0	0.1	4.7	12
13	1659.4	307.0	0.2	0	1657.5	308.2	0.0	0	1659.0	302.2	0	0	1643.7	88.3	0.1	4.6	13
14	1659.4	307.0	0.2	0	1657.5	308.2	0.0	0	1659.0	302.2	0	0	1641.8	78.5	0.1	5.1	14
15	1659.4	307.0	0.2	0	1657.5	308.2	0.0	0	1659.0	302.2	0	0	1639.9	69.0	0.1	4.7	15
16	1659.4	307.0	0.2	0	1657.5	308.2	0.0	0	1659.0	302.2	0	0	1637.7	59.6	0.1	4.5	16
17	1659.4	307.0	0.2	0	1657.5	308.2	0.0	0	1659.0	302.2	0	0	1634.2	46.3	0.1	4.5	17
18	1659.4	307.0	0.2	0	1657.5	308.2	0.0	0	1659.0	302.2	0	0	1630.3	33.8	0.2	4.5	18
19	1659.5	308.2	0.1	0	1657.4	307.0	0.0	0	1659.0	301.6	0	0	1629.2	23.0	0.2	4.0	19
20	1659.5	308.2	0.1	0	1657.4	307.0	0.0	0	1659.0	301.6	0	0	1629.2	13.0	0.2	1.9	20
21	1659.5	308.2	0.1	0	1657.4	307.0	0.0	0	1659.0	299.8	0	0	1629.4	3.1	0.2	0	21
22	1659.5	308.2	0.1	0	1657.4	307.0	0.0	0	1659.0	299.8	0	0	1629.6	3.1	0.2	0	22
23	1659.5	308.2	0.1	0	1657.4	307.0	0.0	0	1659.0	299.8	0	0	1629.8	3.3	0.2	0	23
24	1659.5	308.2	0.1	0	1657.3	305.8	0.0	0	1659.0	299.8	0	0	1630.0	3.3	0.2	0	24
25	1659.5	308.2	0.1	0	1657.3	305.8	0.0	0	1659.0	299.8	0	0	1630.1	3.3	0.2	0	25
26	1659.5	308.2	0.1	0	1657.3	305.8	0.0	0	1657.1	289.0	0.1	5.9	1630.2	3.3	0.2	0	26
27	1659.5	308.2	0.1	0	1657.3	305.8	0.0	0	1657.1	289.0	0.2	5.8	1630.3	3.3	0.2	0	27
28	1659.5	308.2	0.1	0	1657.3	305.8	0.0	0	1657.1	289.0	0.2	5.7	1630.4	3.4	0.1	0	28
29	1659.5	308.2	0.1	0	1657.3	305.8	0.0	0	1657.1	289.0	0.3	5.6	1630.5	3.4	0.1	0	29
30	1659.5	308.2	0.1	0	1657.3	305.8	0.0	0	1657.1	289.0	0.3	5.5	1630.5	3.4	0.1	0	30
31	1659.5	308.2	0.1	0	1657.3	305.8	0.0	0	1657.1	289.0	0.3	5.5	1630.5	3.4	0.1	3.7	31
TOTAL																	
Infl. Ac. Ft. 10.5																	
Outfl. Ac. Ft. 4.5																	
Maximum 0.3																	
Mean Daily Inflow 0.3																	
Minimum 0.1																	
Mean Daily Inflow Storage Change + 6.0																	
- 3.7																	
- 79.1																	
- 199.7																	
- 43.6																	
NOTE: Gage Heights and Storages as of Midnight on Day Shown																	
RECORDS COLLECTED BY D. E. WILSON Dam Tender COMPUTATIONS ekd. Date																	
G. H. MIDDLETON Hydrographer Storage applied HRW JHL																	
Hydrographer Inf. & Outfl. comp. HRW JHL																	
REMARKS ( ) INDICATES AVERAGE FOR PERIOD																	
( ) INDICATES EVAPORATION LOSSES																	
* BANK STORAGE																	

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DAM OPERATION RECORD																	
LOS ANGELES COUNTY																	
FLOOD CONTROL DISTRICT																	
HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of <u>BIG DALTON</u> Dam															Continuous Water Stage Recorder <u>AU</u>		
In <u>Big Dalton Canyon</u> for the Year Ending September 30, 1955.																	
Drainage Area <u>4.49</u> Square Miles Capacity of Reservoir <u>961.6</u> Ac. Ft. at Spillway Elev. <u>1706.0</u> Ft. as of <u>September</u> 19 <u>44</u> Survey															Gage Heights <u>read daily</u>		
Day	October				November				December				January				Day
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1625.2	21.1	0.2	2.5	1627.3	25.8	0.05	0	1629.2	28.0	0.04	0	1629.0	30.1	0.03	0	1
2	1625.4	21.5	0.2	0	1627.3	25.8	0.05	0	1629.2	28.0	0.04	0	1629.0	30.1	0.03	0	2
3	1625.6	22.0	0.2	0	1627.4	26.0	0.05	0	1629.4	28.5	0.04	0	1629.0	30.1	0.04	0	3
4	1625.8	22.4	0.2	0	1627.4	26.0	0.05	0	1629.4	28.5	0.04	0	1629.0	30.1	0.04	0	4
5	1625.9	22.6	0.2	0	1627.5	26.2	0.05	0	1629.4	28.5	0.04	0	1629.0	30.1	0.04	0	5
6	1625.0	22.4	0.1	0	1627.5	26.2	0.05	0	1629.4	28.5	0.04	0	1629.0	30.1	0.04	0	6
7	1625.1	22.3	0.1	0	1627.5	26.2	0.05	0	1629.4	28.5	0.04	0	1629.1	30.4	0.2	0	7
8	1625.2	22.3	0.1	0	1627.5	26.2	0.05	0	1629.4	28.5	0.04	0	1629.1	30.4	0.2	0	8
9	1625.3	22.3	0.1	0	1627.5	26.2	0.05	0	1629.4	28.5	0.04	0	1629.1	30.4	0.2	0	9
10	1625.4	22.3	0.1	0	1627.6	27.0	0.05	0	1629.5	28.8	0.04	0	1629.4	31.2	0.4	0	10
11	1625.4	22.3	0.1	0	1627.6	27.0	0.05	0	1629.5	28.8	0.04	0	1629.4	31.2	0.4	0	11
12	1625.6	22.4	0.1	0	1627.7	27.2	0.05	0	1629.6	29.1	0.04	0	1629.4	31.2	0.4	0	12
13	1625.6	22.4	0.1	0	1627.7	27.2	0.05	0	1629.6	29.1	0.04	0	1629.4	31.2	0.4	0	13
14	1625.6	22.4	0.1	0	1627.8	27.5	0.05	0	1629.6	29.1	0.04	0	1629.4	31.2	0.4	0	14
15	1625.7	22.4	0.1	0	1627.8	27.5	0.05	0	1629.6	29.1	0.04	0	1629.5	31.5	0.4	0	15
16	1625.7	22.4	0.1	0	1627.8	27.5	0.05	0	1629.6	29.1	0.04	0	1629.6	31.6	0.5	0	16
17	1625.8	22.4	0.1	0	1627.8	27.5	0.05	0	1629.6	29.1	0.04	0	1629.6	31.6	0.5	0	17
18	1625.8	22.4	0.1	0	1627.8	27.5	0.05	0	1629.7	29.3	0.04	0	1630.0	32.9	0.1	0	18
19	1625.8	22.4	0.1	0	1627.8	27.5	0.05	0	1629.7	29.3	0.04	0	1630.2	33.5	0.9	0	19
20	1625.9	22.4	0.1	0	1627.9	27.5	0.05	0	1629.7	29.3	0.04	0	1630.4	34.1	0.2	0	20
21	1625.9	22.4	0.1	0	1627.9	27.5	0.05	0	1629.7	29.3	0.04	0	1630.5	34.4	0.2	0	21
22	1625.9	22.4	0.1	0	1627.9	27.5	0.05	0	1629.7	29.3	0.04	0	1630.6	34.6	0.1	0	22
23	1625.9	22.4	0.1	0	1627.9	27.5	0.05	0	1629.7	29.3	0.04	0	1630.6	34.6	0.3	0	23
24	1625.9	22.4	0.1	0	1627.9	27.5	0.05	0	1629.7	29.3	0.04	0	1630.9	35.5	0.2	0	24
25	1627.1	23.5	0.05	0	1628.1	27.6	0.05	0	1629.7	29.3	0.04	0	1631.0	35.6	0.1	0	25
26	1627.1	23.5	0.05	0	1628.2	29.0	0.05	0	1629.8	29.6	0.04	0	1631.1	36.1	0.2	0	26
27	1627.2	23.5	0.05	0	1628.2	29.0	0.05	0	1629.8	29.6	0.04	0	1631.3	36.7	0.3	0	27
28	1627.2	23.5	0.05	0	1628.2	29.0	0.05	0	1629.8	29.6	0.04	0	1631.4	37.0	0.1	0	28
29	1627.2	23.5	0.05	0	1628.2	29.0	0.05	0	1629.8	29.6	0.04	0	1631.5	37.4	0.2	0	29
30	1627.3	23.5	0.05	0	1628.2	29.0	0.05	0	1629.8	29.6	0.04	0	1631.7	38.0	0.3	0	30
31	1627.3	23.5	0.05	0	1628.2	29.0	0.05	0	1629.8	29.6	0.04	0	1631.8	38.3	0.2	0	31
TOTAL																	
Infl. Ac. Ft. 6.1																	
Outfl. Ac. Ft. 2.0																	
Maximum 0.5																	
Mean Daily Inflow 0.2																	
Minimum 0.05																	
Mean Daily Inflow Storage Change 0																	
+ 2.2																	
+ 1.7																	
+ 5.7																	
+ 12.5																	
NOTE: Gage Heights and Storages as of Midnight on Day Shown																	
RECORDS COLLECTED BY D. E. WILSON Dam Tender COMPUTATIONS ekd. Date																	
G. H. MIDDLETON Hydrographer Storage applied HRW JHL																	
Hydrographer Inf. & Outfl. comp. HRW JHL																	
REMARKS ( ) INDICATES AVERAGE FOR PERIOD OR PRORATED DAILY AMOUNTS																	
( ) INDICATES EVAPORATION LOSSES																	

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DAM OPERATION RECORD																	
LOS ANGELES COUNTY																	
FLOOD CONTROL DISTRICT																	
HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of <u>BIG DALTON</u> Dam																	
In <u>Big Dalton Canyon</u> for the Year Ending September 30, 19 <u>55</u>																	
Continuous Water Stage Recorder <u>AU</u>																	
Drainage Area <u>4.49</u> Square Miles. Capacity of Reservoir <u>951.6</u> Ac. Ft. at Spillway Elev. <u>1706.0</u> Ft. as of <u>September</u> , 19 <u>54</u> Survey Gage Heights <u>read daily</u>																	
Day	February				March				April				May				Day
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1632.0	39.9	0.2	0	1635.3	50.3	0.2	0	1639.6	53.7	0.2	0	1640.8	73.7	0.3	0	1
2	1632.1	39.2	0.2	0	1635.4	50.7	0.2	0	1639.7	54.1	0.2	0	1640.8	73.7	0.3	0	2
3	1632.2	39.6	0.2	0	1635.5	51.1	0.2	0	1639.8	54.5	0.2	0	1640.9	74.1	0.3	0	3
4	1632.3	39.9	0.2	0	1635.6	51.5	0.2	0	1639.9	55.0	0.2	0	1641.0	74.6	0.3	0	4
5	1632.5	40.6	0.2	0	1635.7	51.9	0.2	0	1639.9	55.0	0.2	0	1641.1	75.1	0.3	0	5
6	1632.6	40.9	0.3	0	1635.8	52.2	0.2	0	1639.0	55.4	0.2	0	1641.2	75.6	0.3	0	6
7	1632.7	41.2	0.3	0	1635.9	52.6	0.2	0	1639.1	55.8	0.2	0	1641.3	76.1	0.3	0	7
8	1632.8	41.5	0.2	0	1635.0	53.0	0.3	0	1639.1	55.8	0.2	0	1641.4	76.6	0.3	0	8
9	1632.9	41.9	0.2	0	1635.1	53.4	0.3	0	1639.2	56.3	0.2	0	1641.6	77.5	0.3	0	9
10	1633.0	42.2	0.2	0	1635.3	53.8	0.4	0	1639.3	56.8	0.2	0	1641.7	78.0	0.3	0	10
11	1633.2	42.9	0.2	0	1635.4	54.6	0.3	0	1639.4	57.2	0.2	0	1641.8	78.5	0.3	0	11
12	1633.3	43.2	0.2	0	1635.5	55.0	0.3	0	1639.4	57.2	0.2	0	1641.9	79.0	0.3	0	12
13	1633.4	43.6	0.2	0	1635.6	55.3	0.3	0	1639.5	57.6	0.2	0	1641.9	79.0	0.3	0	13
14	1633.5	43.9	0.2	0	1635.8	55.7	0.3	0	1639.5	57.6	0.1	0	1642.0	79.5	0.3	0	14
15	1633.6	44.2	0.2	0	1635.9	56.5	0.3	0	1639.6	58.1	0.1	0	1642.2	80.0	0.2	0	15
16	1633.8	44.9	0.3	0	1637.0	56.9	0.3	0	1639.6	58.1	0.1	0	1642.1	80.0	0.2	0	16
17	1633.9	45.3	0.3	0	1637.1	57.3	0.3	0	1639.7	58.6	0.1	0	1642.2	80.5	0.2	0	17
18	1634.0	45.6	0.2	0	1637.3	57.7	0.3	0	1639.7	58.6	0.1	0	1642.3	81.0	0.2	0	18
19	1634.1	46.0	0.2	0	1637.4	58.1	0.3	0	1639.8	59.0	0.1	0	1642.4	81.5	0.2	0	19
20	1634.2	46.3	0.2	0	1637.5	58.5	0.3	0	1639.8	59.0	0.1	0	1642.4	81.5	0.2	0	20
21	1634.3	46.7	0.2	0	1637.6	59.4	0.2	0	1639.9	59.4	0.1	0	1642.5	82.0	0.2	0	21
22	1634.4	47.4	0.2	0	1637.7	59.8	0.2	0	1640.0	59.9	0.2	0	1642.5	82.0	0.2	0	22
23	1634.6	47.8	0.2	0	1637.8	60.3	0.2	0	1640.1	70.4	0.3	0	1642.6	82.6	0.2	0	23
24	1634.7	48.5	0.2	0	1637.9	60.7	0.2	0	1640.1	70.4	0.3	0	1642.7	83.1	0.2	0	24
25	1634.9	49.8	0.2	0	1639.1	61.5	0.2	0	1640.2	70.8	0.2	0	1642.7	83.1	0.2	0	25
26	1635.0	49.8	0.2	0	1639.2	62.0	0.2	0	1640.3	71.3	0.2	0	1642.8	83.6	0.2	0	26
27	1635.0	49.2	0.2	0	1639.3	62.4	0.2	0	1640.4	71.8	0.1	0	1643.0	84.6	0.2	0	27
28	1635.1	49.6	0.2	0	1639.4	62.8	0.2	0	1640.5	72.2	0.2	0	1643.0	84.6	0.2	0	28
29					1639.5	63.2	0.2	0	1640.7	73.2	0.5	0	1643.0	84.6	0.1	0	29
30					1639.6	63.7	0.2	0					1643.1	85.1	0.1	0	30
31													1643.1	85.1	0.1	0	31
TOTAL		5.0	0				7.6	0		5.6	0			6.7	0		
Inf. Ac. Ft.		11.9					15.1			10.9				13.3		71.4	
Outf. Ac. Ft.		0		(0.6)			0			0		(1.4)		0		5.0 + (7.2)	
Maximum		0.3					0.4			0.5				0.3		0.9	
Mean Daily Inflow		0.2					0.2			0.1				0.1		0.0	
Mean Daily Outflow																0.0	
Storage Change		+11.3				+14.1				+9.5			+11.9			+59.3	

NOTE: Gage Heights and Storage as of Midnight on Day Shown

Max. W. S. Elev.	1644.5	feet	on	JULY-AUGUST	Storage	92.6	Acres Feet		RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1627.3	feet	on	10-1-54	Storage	25.6	Acres Feet		D. E. WILSON	Dam Tender	Gage Hts. copied	JHL	HRW
Max. Peak Inf.	2.4	C.F.S. from	12:00 NOON	on	1-18-55	to	1:00 PM	on	1-18-55	G. H. MIDDLETON	Hydrographer	JHL	HRW
Max. Peak Outf.	0	C.F.S. from		on		to		on			Storage applied	JHL	HRW
REMARKS	( ) INDICATES AVERAGE FOR PERIOD ( ) INDICATES EVAPORATION LOSSES												

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DAM OPERATION RECORD																	
LOS ANGELES COUNTY																	
FLOOD CONTROL DISTRICT																	
HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of <u>BIG DALTON</u> Dam																	
In <u>Big Dalton Canyon</u> for the Year Ending September 30, 19 <u>55</u>																	
Continuous Water Stage Recorder <u>AU</u>																	
Drainage Area <u>4.49</u> Square Miles. Capacity of Reservoir <u>951.6</u> Ac. Ft. at Spillway Elev. <u>1706.0</u> Ft. as of <u>September</u> , 19 <u>54</u> Survey Gage Heights <u>read daily</u>																	
Day	June				July				August				September				Day
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1644.3	85.1	0.1	0	1644.2	91.0	0.1	0	1644.5	92.6	0.05	0	1644.3	91.5	0.02	0	1
2	1644.2	85.7	0.2	0	1644.3	91.5	0.1	0	1644.5	92.6	0.05	0	1644.3	91.5	0.02	0	2
3	1644.3	86.2	0.2	0	1644.3	91.5	0.1	0	1644.5	92.6	0.04	0	1644.3	91.5	0.02	0	3
4	1644.3	86.2	0.2	0	1644.3	91.5	0.1	0	1644.5	92.6	0.04	0	1644.3	91.5	0.02	0	4
5	1644.3	86.7	0.2	0	1644.3	91.5	0.1	0	1644.5	92.6	0.04	0	1644.3	91.5	0.02	0	5
6	1644.4	87.2	0.2	0	1644.4	92.1	0.1	0	1644.5	92.6	0.04	0	1644.3	91.5	0.02	0	6
7	1644.5	87.2	0.2	0	1644.4	92.1	0.1	0	1644.5	92.6	0.04	0	1644.3	91.5	0.02	0	7
8	1644.5	87.2	0.2	0	1644.4	92.1	0.1	0	1644.5	92.6	0.04	0	1644.3	91.5	0.02	0	8
9	1644.6	87.8	0.1	0	1644.4	92.1	0.1	0	1644.5	92.6	0.04	0	1644.1	90.4	0.01	0	9
10	1644.6	87.8	0.1	0	1644.4	92.1	0.1	0	1644.5	92.6	0.04	0	1644.1	90.4	0.01	0	10
11	1644.7	88.3	0.1	0	1644.4	92.1	0.1	0	1644.5	92.6	0.04	0	1644.1	90.4	0.01	0	11
12	1644.7	88.3	0.1	0	1644.4	92.1	0.1	0	1644.5	92.6	0.04	0	1644.1	90.4	0.01	0	12
13	1644.7	88.3	0.1	0	1644.4	92.1	0.1	0	1644.5	92.6	0.04	0	1644.0	89.9	0.01	0	13
14	1644.8	88.8	0.1	0	1644.4	92.1	0.05	0	1644.5	92.6	0.04	0	1644.0	89.9	0.01	0	14
15	1644.8	88.8	0.1	0	1644.4	92.1	0.05	0	1644.4	92.1	0.04	0	1644.0	89.9	0.01	0	15
16	1644.8	88.8	0.1	0	1644.4	92.1	0.05	0	1644.4	92.1	0.04	0	1644.0	89.9	0.01	0	16
17	1644.8	88.8	0.1	0	1644.4	92.1	0.05	0	1644.4	92.1	0.04	0	1644.0	89.9	0.01	0	17
18	1644.8	88.8	0.1	0	1644.4	92.1	0.05	0	1644.4	92.1	0.04	0	1644.0	89.9	0.01	0	18
19	1644.9	89.4	0.1	0	1644.5	92.6	0.05	0	1644.4	92.1	0.04	0	1644.0	89.9	0.01	0	19
20	1644.9	89.4	0.1	0	1644.5	92.6	0.05	0	1644.4	92.1	0.04	0	1644.0	89.9	0.01	0	20
21	1644.0	89.9	0.2	0	1644.5	92.6	0.05	0	1644.4	92.1	0.04	0	1644.0	89.9	0.01	0	21
22	1644.0	89.9	0.2	0	1644.5	92.6	0.05	0	1644.4	92.1	0.04	0	1644.0	89.9	0.01	0	22
23	1644.0	89.9	0.1	0	1644.5	92.6	0.05	0	1644.4	92.1	0.04	0	1644.0	89.9	0.01	0	23
24	1644.1	90.4	0.1	0	1644.5	92.6	0.05	0	1644.4	92.1	0.04	0	1644.0	89.9	0.01	0	24
25	1644.1	90.4	0.1	0	1644.5	92.6	0.05	0	1644.4	92.1	0.04	0	1643.9	89.4	0.01	0	25
26	1644.1	90.4	0.1	0	1644.5	92.6	0.05	0	1644.4	92.1	0.04	0	1643.9	89.4	0.01	0	26
27	1644.1	90.4	0.1	0	1644.5	92.6	0.05	0	1644.4	92.1	0.04	0	1643.9	89.4	0.01	0	27
28	1644.1	90.4	0.1	0	1644.5	92.6	0.05	0	1644.4	92.1	0.04	0	1643.9	89.4	0.01	0	28
29	1644.2	91.0	0.1	0	1644.4	92.6	0.05	0	1644.4	92.1	0.04	0	1643.9	89.4	0.01	0	29
30	1644.2	91.0	0.1	0	1644.4	92.6	0.05	0	1644.4	92.1	0.04	0	1643.9	89.4	0.01	0	30
31					1644.5	92.6	0.05	0					1643.9	89.4	0.01	0	31
TOTAL		4.0	0				2.2	0		12.6	0						

SAN DIMAS

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DAM OPERATION RECORD																		
LOS ANGELES COUNTY																		
FLOOD CONTROL DISTRICT																		
HYDRAULIC DIVISION																		
Daily Gage Height in feet and Operation Record of <u>SAN DIMAS</u> Dam																		
In <u>San Dimas Canyon</u> for the Year Ending September 30, 1954.																		
Drainage Area <u>16.2</u> Square Miles. Capacity of Reservoir <u>1042.5</u> Ac. Ft. at Spillway Elev. <u>1402.0</u> Ft. as of <u>November</u> , 19 <u>44</u> Survey																		
Continuous Water Stage Recorder <u>Aut</u>																		
Gage Heights <u>Read daily</u>																		
Day	October				November				December				January				Day	
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow		
1	1406.3	55.1	0.1	0.1	1407.4	60.2	0.2	0	1409.0	67.9	0.1	0	1410.3	74.6	0.1	0	1	
2	1406.3	55.1	0.1	0.1	1407.4	60.2	0.2	0	1409.0	67.9	0.1	0	1410.3	74.6	0.1	0	2	
3	1406.3	55.1	0.1	0.1	1407.5	60.7	0.2	0	1409.1	68.4	0.1	0	1410.4	75.1	0.1	0	3	
4	1406.3	55.1	0.1	0.1	1407.5	60.7	0.2	0	1409.2	68.9	0.1	0	1410.4	75.1	0.1	0	4	
5	1406.3	55.1	0.1	0.1	1407.6	61.1	0.1	0	1409.2	68.9	0.1	0	1410.5	75.7	0.2	0	5	
6	1406.3	55.1	0.1	0.1	1407.7	61.6	0.1	0	1409.2	68.9	0.1	0	1410.6	76.2	0.2	0	6	
7	1406.3	55.1	0.1	0.1	1407.7	61.6	0.1	0	1409.3	69.4	0.1	0	1410.6	76.2	0.2	0	7	
8	1406.2	54.6	0.1	0.1	1407.8	62.1	0.1	0	1409.3	69.4	0.1	0	1410.7	76.7	0.2	0	8	
9	1406.2	54.6	0.1	0.1	1407.8	62.1	0.1	0	1409.4	69.9	0.1	0	1410.7	76.7	0.2	0	9	
10	1406.2	54.6	0.1	0.1	1407.9	62.5	0.1	0	1409.4	69.9	0.1	0	1410.8	77.2	0.1	0	10	
11	1406.2	54.6	0.1	0.1	1407.9	62.5	0.1	0	1409.5	70.5	0.1	0	1410.8	77.2	0.1	0	11	
12	1406.2	54.6	0.1	0.1	1408.0	63.0	0.1	0	1409.5	70.5	0.1	0	1411.1	78.9	0.8	0	12	
13	1406.2	54.6	0.1	0.1	1408.0	63.0	0.1	0	1409.5	70.5	0.1	0	1411.3	80.0	0.6	0	13	
14	1406.2	54.6	0.1	0.1	1408.2	64.0	0.2	0	1409.6	71.0	0.1	0	1411.4	80.5	0.4	0	14	
15	1406.3	55.1	0.1	0.1	1408.2	64.0	0.2	0	1409.6	71.0	0.1	0	1411.5	81.1	0.3	0	15	
16	1406.3	55.1	0.1	0	1408.3	64.5	0.2	0	1409.7	71.5	0.1	0	1411.7	82.2	0.3	0	16	
17	1406.4	55.0	0.1	0	1408.3	64.5	0.2	0	1409.7	71.5	0.1	0	1411.8	82.7	0.3	0	17	
18	1406.4	55.0	0.1	0	1408.4	65.0	0.1	0	1409.7	71.5	0.1	0	1412.4	85.1	1.8	0	18	
19	1406.5	56.0	0.2	0	1408.4	65.0	0.1	0	1409.8	72.0	0.1	0	1425.0	187.5	51.1	0	19	
20	1406.6	56.5	0.2	0	1408.5	65.5	0.1	0	1409.8	72.0	0.1	0	1427.0	209.1	10.9	0	20	
21	1406.7	56.9	0.2	0	1408.5	65.5	0.1	0	1409.9	72.5	0.1	0	1427.6	215.9	3.4	0	21	
22	1406.7	56.9	0.2	0	1408.6	65.9	0.1	0	1409.9	72.5	0.1	0	1428.1	221.6	2.9	0	22	
23	1406.8	57.4	0.2	0	1408.6	65.9	0.1	0	1409.9	72.5	0.1	0	1428.5	225.1	1.7	0	23	
24	1406.9	57.8	0.2	0	1408.7	66.4	0.1	0	1410.0	73.0	0.1	0	1432.4	275.0	25.2	0	24	
25	1407.0	58.3	0.1	0	1408.7	66.4	0.1	0	1410.0	73.0	0.1	0	1432.9	283.4	9.6	42.1	25	
26	1407.0	58.3	0.1	0	1408.8	66.9	0.1	0	1410.1	73.5	0.1	0	1435.6	321.4	15.1	46.3	26	
27	1407.1	58.8	0.1	0	1408.8	66.9	0.1	0	1410.1	73.5	0.1	0	1435.6	321.4	15.9	28.2	27	
28	1407.1	58.8	0.1	0	1408.9	67.4	0.1	0	1410.2	74.1	0.1	0	1433.3	350.5	7.6	1.8	28	
29	1407.2	59.2	0.1	0	1408.9	67.4	0.1	0	1410.2	74.1	0.1	0	1432.0	359.6	4.6	0	29	
30	1407.2	59.2	0.1	0	1409.0	67.9	0.1	0	1410.2	74.1	0.1	0	1432.5	276.4	3.4	0	30	
31	1407.3	59.7	0.2	0	1409.0	67.9	0.1	0	1410.2	74.1	0.1	0	1432.5	281.8	2.7	0	31	
TOTAL			2.8	1.5			4.1	0			3.1	0			240.3	135.6		
Inf. Ac. Ft.			7.5				3.1				6.1				476.6	498.3		
Outf. Ac. Ft.			3.0				0				0				269.0	272.0		
Maximum			0.2				0.5				0.1				96.7	96.7		
Minimum			0.1				0.1				0.1				0.1	0.1		
Storage Change		+4.6				+3.2				+5.2				+207.7				+226.7

NOTE: Gage Heights and Storage as of Midnight on Day Shown

Max. W. S. Elev.	1448.85	feet	on	5-3-54	Storage	616.4	Acres Feet		
Min. W. S. Elev.	1405.5	feet	on	8-17-54	Storage	51.6	Acres Feet		
Max. Peak Inf.	327.	C.F.S. from	2:00 AM	on	1-25-54	to	3:00 AM	on	1-25-54
Max. Peak Outf.	88.	C.F.S. from	10:00 AM	on	2-14-54	to	11:00 AM	on	2-14-54

RECORDS COLLECTED BY: A. R. BLEEMERS (Dam Tender), G. H. MIDDLETON (Hydrographer)

COMPUTATIONS: ckd. Date (Gage Hts. copied JHL HRW, Storage applied JHL HRW, Inf. & Outf. comp. JHL HRW)

REMARKS: INDICATES AVERAGE FOR PERIOD

76D138N-68B Q6 7-55

DAM OPERATION RECORD																	
LOS ANGELES COUNTY																	
FLOOD CONTROL DISTRICT																	
HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of <u>SAN DIMAS</u> Dam																	
In <u>San Dimas Canyon</u> for the Year Ending September 30, 1954.																	
Drainage Area <u>16.2</u> Square Miles. Capacity of Reservoir <u>1042.5</u> Ac. Ft. at Spillway Elev. <u>1402.0</u> Ft. as of <u>November</u> , 19 <u>44</u> Survey																	
Continuous Water Stage Recorder <u>Aut</u>																	
Gage Heights <u>Read daily</u>																	
Day	February				March				April				May				Day
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1433.3	287.3	2.8	0	1438.6	372.2	2.4	0	1445.3	520.6	10.3	14.2	1448.8	615.0	3.4	2.0	1
2	1433.6	291.6	2.1	0	1438.8	375.9	2.0	0	1444.6	507.9	9.1	14.1	1448.8	615.0	2.5	1.9	2
3	1433.9	295.8	2.2	0	1439.0	379.5	2.0	0	1444.4	498.0	7.7	14.1	1448.8	615.0	2.0	1.9	3
4	1434.2	300.2	2.2	0	1439.3	385.3	2.0	0	1443.6	483.2	6.7	14.1	1448.8	615.0	2.0	2.7	4
5	1434.5	304.7	2.2	0	1439.5	389.2	2.0	0	1443.9	478.6	6.4	14.1	1448.7	612.2	2.0	3.4	5
6	1434.7	307.6	1.5	0	1439.7	393.1	1.8	0	1444.4	468.0	6.2	0	1448.6	609.4	2.0	3.4	6
7	1434.9	310.6	1.5	0	1439.9	397.0	1.8	0	1444.8	457.9	5.0	0	1448.5	606.6	2.0	3.4	7
8	1435.1	313.7	1.5	0	1440.0	399.9	1.8	0	1445.2	451.8	5.1	0	1448.4	603.7	2.0	3.2	8
9	1435.5	316.8	1.5	0	1440.2	403.0	1.8	0	1445.6	445.8	3.9	0	1448.4	603.7	2.0	3.2	9
10	1435.6	319.9	1.6	0	1440.4	407.1	1.8	0	1445.8	439.8	3.9	0	1448.3	600.9	2.0	3.2	10
11	1435.7	323.0	1.6	0	1440.5	409.2	1.8	0	1446.1	434.3	3.5	0	1448.2	598.1	2.0	3.2	11
12	1435.9	326.1	1.5	0	1440.7	413.3	1.5	0	1446.4	429.2	3.5	0	1448.1	595.3	2.0	3.2	12
13	1438.8	375.9	2.5	0	1440.8	415.3	1.5	0	1446.6	424.6	3.5	0	1448.0	592.5	1.9	3.2	13
14	1434.0	297.2	3.1	50.9	1441.0	419.4	1.4	0	1446.9	419.4	3.5	0	1447.9	598.8	1.9	3.2	14
15	1430.9	255.4	11.2	32.3	1441.1	421.6	1.4	0	1447.1	414.7	3.4	0	1447.8	597.0	1.9	3.2	15
16	1432.2	272.3	8.5	0	1441.4	428.1	3.3	0	1447.3	408.3	2.5	0	1447.7	584.3	1.9	3.2	16
17	1433.3	287.3	7.6	0	1441.8	435.8	4.4	0	1447.5	402.9	2.5	0	1447.6	581.6	1.8	3.2	17
18	1434.2	300.2	6.5	0	1442.0	441.2	2.2	0	1447.7	397.4	2.5	0	1447.5	578.9	1.8	3.2	18
19	1434.9	310.6	5.2	0	1442.2	445.8	2.3	0	1447.8	392.9	2.5	0	1447.4	576.1	1.8	3.2	19
20	1435.5	319.9	4.7	0	1442.3	450.4	2.2	0	1448.0	388.4	2.4	0	1447.3	573.4	1.8	3.2	20
21	1435.0	327.6	3.9	0	1442.5	456.1	6.1	0	1448.1	383.9	2.6	1.1	1447.3	570.7	1.5	3.2	21
22	1435.5	335.8	4.1	0	1442.7	461.8	9.8	0	1448.2	379.4	2.6	1.0	1447.2	568.0	1.5	3.2	22
23	1436.9	342.4	3.4	0	1442.9	467.5	7.5	0	1448.3	374.9	2.6	1.0	1447.1	565.3	1.5	3.2	23
24	1437.2	347.5	2.5	0	1443.3	470.6	11.0	5.9	1448.3	370.9	2.6	1.9	1447.0	562.5	1.5	3.2	24
25	1437.5	352.7	2.6	0	1443.5	475.8	12.2	9.5	1448.4	366.9	2.6	1.9	1446.9	559.8	1.5	3.2	25
26	1437.8	357.8	2.6	0	1443.6	481.0	10.7	9.5	1448.4	363.2	2.6	2.0	1446.8	557.1	1.5	3.2	26
27	1438.1	363.1	2.7	0	1443.5	485.8	8.3	9.5	1448.4	360.3	2.7	2.0	1446.8	554.4	1.4	3.2	27
28	1438.4	368.6	2.8	0	1443.3	490.6	6.8	9.5	1448.5	357.4	3.5	2.0	1446.3	546.6	1.4	3.2	28
29					1443.4	495.3	10.8	9.5	1448.6	354.5	3.4	2.0	1446.2	543.9	1.4	3.2	29
30					1443.8	503.5	17.6	12.4	1448.7	351.6	3.4	2.0	1446.0	538.6	1.4	3.1	30
31					1443.6	508.3	11.6	14.2					1445.9	536.0	1.4	2.9	31
TOTAL			13														

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DAM OPERATION RECORD																			
LOS ANGELES COUNTY																			
FLOOD CONTROL DISTRICT																			
HYDRAULIC DIVISION																			
Daily Gage Height in feet and Operation Record of <u>SAN DIMAS</u> Dam										Continuous Water Stage Recorder <u>Au</u>									
In <u>San Dimas Canyon</u> for the Year Ending September 30, 19 <u>54</u>										Drainage Area <u>16.2</u> Square Miles. Capacity of Reservoir <u>1042.5</u> Ac. Ft. at Spillway Elev. <u>1462.0</u> Ft. as of <u>November</u> 19 <u>54</u> Survey <u>Gage Heights</u> Read <u>Daily</u>									
Day	June				July				August				September				Day		
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow			
1	1445.8	533.5	1.2	2.8	1439.4	387.3	0.1	3.5	1424.8	185.4	0.1	3.1	1407.2	59.2	0.2	0	1		
2	1445.7	530.9	1.2	2.8	1439.0	379.5	0.1	3.5	1424.2	179.2	0.1	3.0	1407.3	59.7	0.2	0	2		
3	1445.5	525.8	1.2	2.8	1438.6	372.2	0.1	3.5	1423.7	174.1	0.1	2.9	1407.4	60.2	0.2	0	3		
4	1445.4	523.2	1.2	2.7	1438.3	366.8	0.1	3.5	1423.2	169.0	0.1	2.8	1407.5	60.7	0.2	0	4		
5	1445.3	520.6	1.1	2.6	1437.9	359.6	0.1	3.4	1422.5	162.2	0.1	2.7	1407.6	61.1	0.2	0	5		
6	1445.2	518.0	0.9	2.6	1437.5	352.7	0.1	3.4	1421.9	152.8	0.1	2.6	1407.7	61.6	0.2	0	6		
7	1445.0	512.9	0.9	2.6	1437.1	345.7	0.1	3.4	1421.5	143.7	0.1	2.5	1407.7	61.6	0.2	0	7		
8	1444.9	510.4	0.9	2.5	1436.6	337.4	0.1	3.4	1421.0	133.4	0.1	2.4	1407.7	61.6	0.2	0	8		
9	1444.7	505.4	0.9	2.5	1436.2	330.2	0.1	3.4	1420.5	122.2	0.1	2.3	1407.8	62.1	0.2	0	9		
10	1444.6	502.9	0.9	2.5	1435.7	323.0	0.1	3.4	1420.0	112.0	0.1	2.2	1407.9	62.5	0.2	0	10		
11	1444.5	500.5	0.9	2.5	1435.3	315.8	0.1	3.4	1419.5	101.9	0.1	2.1	1408.0	63.0	0.2	0	11		
12	1444.3	495.5	0.8	2.5	1434.9	310.6	0.1	3.4	1419.0	92.6	0.1	2.0	1408.0	63.0	0.2	0	12		
13	1444.2	493.0	0.8	2.5	1434.4	303.2	0.1	3.4	1418.5	82.7	0.1	1.9	1408.1	63.5	0.2	0	13		
14	1444.0	488.0	0.8	2.5	1434.0	297.2	0.1	3.4	1418.0	74.1	0.1	1.8	1408.2	64.0	0.2	0	14		
15	1443.8	483.2	0.8	2.8	1433.5	290.2	0.1	3.4	1417.5	65.5	0.1	1.7	1408.2	64.0	0.2	0	15		
16	1443.7	480.8	0.8	3.9	1433.0	283.1	0.1	3.4	1417.0	56.9	0.1	1.6	1408.3	64.5	0.2	0	16		
17	1443.5	476.1	0.7	3.9	1432.6	277.7	0.1	3.4	1416.5	52.0	0.2	1.5	1408.4	65.0	0.2	0	17		
18	1443.2	468.9	0.7	3.9	1432.1	271.0	0.1	3.4	1416.0	47.4	0.2	1.4	1408.4	65.0	0.2	0	18		
19	1443.0	464.1	0.7	3.9	1431.6	264.4	0.1	3.4	1415.5	42.8	0.2	1.3	1408.5	65.5	0.1	0	19		
20	1442.7	457.2	0.7	3.8	1431.1	257.9	0.1	3.4	1415.0	38.2	0.2	1.2	1408.5	65.9	0.1	0	20		
21	1442.4	450.4	0.7	3.8	1430.6	251.6	0.1	3.4	1414.5	33.6	0.2	1.1	1408.6	66.3	0.1	0	21		
22	1442.1	443.5	0.7	3.6	1430.1	245.4	0.1	3.4	1414.0	29.0	0.2	1.0	1408.6	66.7	0.1	0	22		
23	1441.8	436.8	0.7	3.6	1429.5	238.1	0.1	3.4	1413.5	24.4	0.2	0.9	1408.7	67.1	0.1	0	23		
24	1441.5	430.3	0.4	3.6	1429.0	232.1	0.1	3.4	1413.0	19.8	0.2	0.8	1408.7	67.5	0.1	0	24		
25	1441.2	423.8	0.3	3.6	1428.5	226.3	0.1	3.4	1412.5	15.2	0.3	0.7	1408.8	67.9	0.1	0	25		
26	1440.9	417.4	0.3	3.6	1427.9	219.3	0.1	3.4	1412.0	10.6	0.2	0.6	1408.9	68.3	0.1	0	26		
27	1440.6	411.2	0.3	3.5	1427.4	213.6	0.1	3.4	1411.5	6.0	0.2	0.5	1409.0	68.7	0.1	0	27		
28	1440.3	405.1	0.3	3.5	1426.9	208.0	0.1	3.4	1411.0	1.4	0.2	0.4	1409.0	69.1	0.1	0	28		
29	1440.0	398.9	0.3	3.5	1426.4	202.6	0.1	3.2	1410.5	-3.2	0.2	0.3	1409.1	69.5	0.1	0	29		
30	1439.7	392.1	0.3	3.5	1425.8	196.1	0.1	3.2	1410.0	-7.8	0.2	0.2	1409.1	69.9	0.1	0	30		
31					1425.3	190.7	0.1	3.1	1409.5	-12.4	0.2	0.1					31		
TOTAL		22.4		94.4				105.1				44.7				4.8		0	
Inf. Ac. Ft.		4.4						3.1				3.2				9.5		1513.7	
Outf. Ac. Ft.		137.2						208.5				141.2				0		1500.8	
Mean Daily Inflow		1.2						0.1				0.3				0.2		96.7	
Mean Daily Outflow		0.4						0.1				0.1				0.1		9.1	
Storage Change		-142.9						-202.4				-131.9				+2.6		+13.2	

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DAM OPERATION RECORD																			
LOS ANGELES COUNTY																			
FLOOD CONTROL DISTRICT																			
HYDRAULIC DIVISION																			
Daily Gage Height in feet and Operation Record of <u>SAN DIMAS</u> Dam										Continuous Water Stage Recorder <u>Au</u>									
In <u>San Dimas Canyon</u> for the Year Ending September 30, 19 <u>55</u>										Drainage Area <u>16.2</u> Square Miles. Capacity of Reservoir <u>1025.3</u> Ac. Ft. at Spillway Elev. <u>1462.0</u> Ft. as of <u>October</u> 19 <u>55</u> Survey <u>Gage Heights</u> read <u>daily</u>									
Day	October				November				December				January				Day		
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow			
1	1409.2	60.7	0.1	0	1410.7	63.2	0.1	0	1414.3	68.1	0.3	0	1420.7	131.9	1.6	0	1		
2	1409.2	60.7	0.1	0	1410.8	63.2	0.1	0	1414.4	68.2	0.3	0	1421.0	134.3	1.2	0	2		
3	1409.2	61.2	0.1	0	1410.8	63.2	0.1	0	1414.4	68.2	0.3	0	1421.2	135.0	0.9	0	3		
4	1409.4	61.7	0.1	0	1410.8	63.2	0.1	0	1414.5	68.2	0.3	0	1421.4	137.7	0.6	0	4		
5	1409.4	61.7	0.1	0	1410.9	63.3	0.2	0	1414.6	68.3	0.3	0	1421.5	138.5	0.4	0	5		
6	1409.5	62.2	0.1	0	1410.9	63.3	0.1	0	1414.5	68.3	0.3	0	1421.9	141.9	1.8	0	6		
7	1409.6	62.6	0.1	0	1411.0	63.8	0.1	0	1414.6	68.4	0.3	0	1422.2	144.5	1.3	0	7		
8	1409.6	62.6	0.1	0	1411.0	63.8	0.1	0	1414.6	68.4	0.3	0	1422.4	146.3	0.9	0	8		
9	1409.7	63.1	0.2	0	1411.0	63.8	0.1	0	1414.6	68.4	0.3	0	1422.6	148.0	0.8	0	9		
10	1409.7	63.1	0.2	0	1411.1	63.8	0.1	0	1414.7	68.5	0.3	0	1423.0	149.0	0.5	0	10		
11	1409.8	63.6	0.2	0	1412.2	74.2	0.9	0	1417.3	107.0	1.7	0	1424.4	164.8	2.9	0	11		
12	1409.8	63.6	0.2	0	1412.5	77.8	0.6	0	1417.5	109.4	1.7	0	1424.7	167.7	1.5	0	12		
13	1409.9	64.1	0.2	0	1412.7	79.0	0.6	0	1417.7	109.8	1.7	0	1425.0	170.6	1.4	0	13		
14	1409.9	64.1	0.2	0	1412.9	80.0	0.6	0	1417.9	111.1	1.7	0	1425.2	172.6	1.0	0	14		
15	1410.0	64.6	0.2	0	1413.1	81.2	0.6	0	1418.1	112.5	1.7	0	1425.5	175.6	1.5	0	15		
16	1410.0	64.6	0.2	0	1412.8	79.5	0.5	1.4	1419.3	113.9	1.7	0	1426.5	185.9	5.2	0	16		
17	1410.1	65.1	0.2	0	1413.0	80.6	0.4	0	1419.4	114.6	1.7	0	1427.1	192.2	3.2	0	17		
18	1410.1	65.1	0.1	0	1413.1	81.2	0.4	0	1419.5	114.6	1.7	0	1427.1	213.9	1.0	0	18		
19	1410.2	65.6	0.1	0	1413.3	82.3	0.4	0	1419.7	116.7	1.7	0	1430.5	230.0	8.1	0	19		
20	1410.2	65.6	0.1	0	1413.5	83.4	0.4	0	1419.9	118.1	1.8	0	1431.2	238.3	4.2	0	20		
21	1410.2	65.6	0.1	0	1413.6	84.0	0.4	0	1420.0	118.8	1.8	0	1431.6	243.0	2.4	0	21		
22	1410.3	66.2	0.1	0	1413.6	84.0	0.3	0	1420.2	120.3	1.8	0	1432.0	248.0	2.4	0	22		
23	1410.3	66.2	0.1	0	1413.7	84.6	0.3	0	1420.3	121.0	1.8	0	1432.5	251.8	2.0	0	23		
24	1410.4	66.7	0.1	0	1413.8	85.2	0.2	0	1420.4	121.6	1.8	0	1433.0	259.6	1.9	0	24		
25	1410.4	66.7	0.1	0	1413.9	85.7	0.2	0	1420.5	122.3	1.8	0	1433.2	269.3	1.8	0	25		
26	1410.5	67.2	0.1	0	1413.9	85.7	0.2	0	1420.7	124.0	1.8	0	1433.3	261.9	1.4	0	26		
27	1410.5	67.2	0.1	0	1414.0	86.3	0.2	0	1420.8	124.8	1.8	0	1433.3	264.5	1.3	0	27		
28	1410.5	67.2	0.1	0	1414.1	86.9	0.2	0	1420.9	125.6	1.8	0	1433.6	268.5	2.0	0	28		
29	1410.6	67.7	0.1	0	1414.1	86.9	0.2	0	1421.0	126.3	1.8	0	1433.8	271.1	1.3	0	29		
30	1410.6	67.7	0.1	0	1414.2	87.5	0.2	0	1421.2	127.9	1.8	0	1434.0	273.7	1.3	0	30		
31	1410.7	68.2	0.1	0					1421.3	128.7	1.8	0	1434.2	276.4	1.4	0	31		
TOTAL		4.0		0				11.1		1.4		20.8				74.5		0	
Inf. Ac. Ft.		7.9		0				22.0				41.3				147.8		219.0	
Outf. Ac. Ft.				0												0		2.8	
Mean Daily Inflow		0.2						2.2				1.8				1.0		11.0	
Mean Daily Outflow		0.1						0.1				0.3				0.4		0.1	
Storage Change		+8.0		</															

SAN DIMAS (Cont'd)

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DAM OPERATION RECORD																			
LOS ANGELES COUNTY																			
FLOOD CONTROL DISTRICT																			
HYDRAULIC DIVISION																			
Daily Gage Height in feet and Operation Record of <u>SAN DIMAS</u> Dam																			
In <u>San Dimas Canyon</u> , for the Year Ending September 30, 19 <u>55</u>																			
Drainage Area <u>16.2</u> Square Miles. Capacity of Reservoir <u>1025.3</u> Ac. Ft. at Spillway Elev. <u>1462.0</u> Ft. as of <u>October</u> , 19 <u>54</u> Survey														Continuous Water Stage Recorder <u>Au</u>					
														Gage Heights <u>read daily</u>					
Day	February				March				April				May				Day		
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow			
1	1434.4	279.1	1.2	0	1439.1	352.4	1.9	0	1441.5	401.2	1.0	2.9	1439.5	360.2	6.3	0.5	1		
2	1434.6	281.9	1.2	0	1439.2	354.4	1.3	0	1441.3	396.9	0.8	2.8	1439.8	365.9	2.9	0	2		
3	1434.7	283.2	1.1	0	1439.4	358.2	1.2	0	1441.1	392.5	0.8	2.8	1440.0	369.8	2.1	0	3		
4	1434.9	285.9	1.1	0	1439.5	360.2	1.2	0	1441.0	390.3	0.8	2.8	1440.2	373.9	1.9	0	4		
5	1435.1	289.7	1.1	0	1439.6	362.1	1.2	0	1440.8	386.2	0.6	2.7	1440.3	376.0	1.1	0	5		
6	1435.2	290.1	1.1	0	1439.8	365.9	1.2	0	1440.6	382.1	0.6	2.7	1440.4	378.0	1.0	0	6		
7	1435.4	293.0	1.1	0	1439.9	367.9	1.2	0	1440.4	378.0	0.6	2.7	1440.6	382.1	2.0	0	7		
8	1435.5	294.4	1.1	0	1440.0	369.8	1.2	0	1440.2	373.9	0.6	2.7	1440.8	386.2	2.1	0	8		
9	1435.7	297.2	1.1	0	1440.1	371.8	1.2	0	1440.0	369.8	0.6	2.4	1440.9	388.2	1.1	0	9		
10	1435.8	298.7	1.1	0	1440.3	376.0	2.2	0	1439.9	367.9	0.6	1.6	1441.0	390.3	1.1	0	10		
11	1435.9	300.1	1.1	0	1440.5	380.2	2.1	0	1439.8	365.9	0.6	1.6	1441.1	392.5	1.0	0	11		
12	1436.1	304.5	1.0	0	1440.7	384.2	2.1	0	1439.7	364.0	0.6	1.6	1441.2	394.7	1.0	0	12		
13	1436.3	304.5	1.0	0	1440.8	386.2	1.1	0	1439.6	362.1	0.6	1.6	1441.2	394.7	0.8	0.8	13		
14	1436.4	307.5	1.0	0	1440.9	388.2	1.0	0	1439.5	360.2	0.6	1.6	1441.0	390.3	0.8	2.9	14		
15	1436.5	309.0	1.0	0	1441.0	390.3	1.0	0	1439.4	358.2	0.6	1.6	1440.8	386.2	0.8	2.9	15		
16	1436.7	312.1	1.6	0	1441.1	392.5	1.0	0	1439.2	356.3	0.6	1.5	1440.6	382.1	0.7	2.9	16		
17	1437.0	316.6	2.3	0	1441.2	394.7	1.0	0	1439.2	354.4	0.6	1.5	1440.4	378.0	0.7	3.4	17		
18	1437.1	318.2	1.1	0	1441.3	396.9	1.0	0	1439.1	352.4	0.5	1.5	1440.1	371.8	0.8	4.1	18		
19	1437.3	321.5	1.0	0	1441.4	399.1	1.0	0	1439.0	350.5	0.5	1.5	1439.8	365.9	0.8	3.9	19		
20	1437.4	323.1	1.0	0	1441.5	401.2	1.0	0	1438.9	348.7	0.5	1.5	1439.5	356.3	0.6	4.7	20		
21	1437.6	326.3	1.0	0	1441.6	403.4	1.1	0	1438.8	347.0	0.7	1.5	1438.8	347.0	0.8	5.3	21		
22	1437.7	327.9	1.0	0	1441.7	405.6	1.1	0	1438.9	348.7	2.3	1.5	1438.4	339.9	0.8	4.9	22		
23	1437.8	329.6	1.0	0	1441.8	407.8	1.0	0	1438.9	348.7	1.5	1.5	1437.9	323.1	0.8	4.9	23		
24	1437.9	331.2	1.0	0	1441.9	410.0	1.0	0	1438.8	347.0	1.2	1.5	1437.4	313.1	0.8	4.8	24		
25	1438.0	332.8	1.0	0	1442.0	412.2	1.0	0	1438.6	347.0	1.0	1.5	1436.9	315.1	0.9	4.9	25		
26	1438.2	336.3	1.8	0	1442.1	414.5	1.0	0	1438.7	345.2	0.8	1.5	1436.4	307.5	1.0	5.3	26		
27	1438.6	343.4	3.6	0	1442.1	414.5	1.0	0	1438.7	345.2	0.8	1.5	1435.9	300.1	1.0	5.3	27		
28	1439.9	348.7	2.7	0	1442.1	414.5	1.0	1.0	1438.6	343.4	0.8	1.5	1435.3	291.6	1.0	4.9	28		
29					1442.0	412.2	1.1	2.3	1438.5	341.6	0.8	1.5	1434.7	283.2	1.0	4.9	29		
30					1441.9	410.0	1.1	2.7	1438.9	343.7	5.1	1.5	1434.1	275.1	1.0	4.9	30		
31					1441.7	405.6	1.2	2.9					1433.5	267.2	1.0	4.9	31		
TOTAL			36.5	0	TOTAL			37.6	8.9	TOTAL			27.9	56.6	TOTAL			40.0	81.1
Inf. Ac. Ft.			72.4	0	Inf. Ac. Ft.			74.6	0	Inf. Ac. Ft.			25.2	0	Inf. Ac. Ft.			79.3	300.6
Outf. Ac. Ft.				0	Outf. Ac. Ft.				1.7	Outf. Ac. Ft.				112.3	Outf. Ac. Ft.			160.9	293.7
Max. Daily Inflow			3.6		Max. Daily Inflow			2.2		Max. Daily Inflow			5.1		Max. Daily Inflow			6.2	1.0
Min. Daily Inflow			1.0		Min. Daily Inflow			1.0		Min. Daily Inflow			0.5		Min. Daily Inflow			0.7	0.1
Max. Daily Outflow					Max. Daily Outflow					Max. Daily Outflow					Max. Daily Outflow				207.0
Storage Change			+72.3		Storage Change			+56.9		Storage Change			-56.9		Storage Change			-81.5	+207.0
NOTE: Gage Heights and Storages as of Midnight on Day Shown																			
Max. W. S. Elev. 1442.2 feet on 3-28-55 Storage 417.0 Acres Feet				RECORDS COLLECTED BY				Dam Tender				COMPUTATIONS				ckd. Date			
Min. W. S. Elev. 1408.7 feet on 6-29-55 Storage 58.3 Acres Feet				A. R. BLEEMERS				Hydrographer				Gage Hts. copied				JHL HRW			
Max. Peak Inf. 27.0 C.F.S. from 4:00 PM on 1-18-55 to 5:00 PM on 1-18-55				G. H. MIDDLETON				Hydrographer				Storage applied				JHL HRW			
Max. Peak Outf. 6.4 C.F.S. from 10:30 PM on 6-20-55 to 8:00 AM on 6-21-55								Hydrographer				Inf. & Outf. comp.				JHL HRW			
REMARKS ( INDICATES AVERAGE FOR PERIOD																			

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DAM OPERATION RECORD																	
LOS ANGELES COUNTY																	
FLOOD CONTROL DISTRICT																	
HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of <u>SAN DIMAS</u> Dam																	
In <u>San Dimas Canyon</u> , for the Year Ending September 30, 19 <u>55</u>																	
Drainage Area <u>16.2</u> Square Miles. Capacity of Reservoir <u>1025.3</u> Ac. Ft. at Spillway Elev. <u>1462.0</u> Ft. as of <u>October</u> , 19 <u>54</u> Survey														Continuous Water Stage Recorder <u>Au</u>			
														Gage Heights <u>read daily</u>			
Day	June				July				August				September				Day
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1432.9	259.3	0.7	4.9	1409.2	60.7	0.3	0	1412.4	77.5	0.2	0	1414.3	88.1	0.1	0	1
2	1432.2	250.5	0.7	4.9	1409.4	61.7	0.3	0	1412.5	77.5	0.2	0	1414.3	88.1	0.1	0	2
3	1431.6	243.2	0.7	4.9	1409.5	62.2	0.3	0	1412.5	77.5	0.2	0	1414.4	88.7	0.1	0	3
4	1430.9	234.7	0.7	4.6	1409.6	62.6	0.3	0	1412.6	78.4	0.2	0	1414.4	88.7	0.1	0	4
5	1430.2	226.5	0.6	4.6	1409.8	63.6	0.3	0	1412.7	79.0	0.2	0	1414.4	88.7	0.1	0	5
6	1429.4	217.4	0.6	4.6	1409.9	64.1	0.3	0	1412.8	79.5	0.2	0	1414.5	89.3	0.1	0	6
7	1428.7	209.5	0.5	4.2	1410.0	64.6	0.3	0	1412.9	80.0	0.2	0	1414.5	89.3	0.1	0	7
8	1428.0	201.6	0.5	4.2	1410.2	65.6	0.3	0	1412.9	80.0	0.2	0	1414.6	89.9	0.1	0	8
9	1427.3	194.3	0.5	4.2	1410.3	66.2	0.3	0	1413.0	80.6	0.2	0	1414.6	89.9	0.1	0	9
10	1426.6	186.9	0.5	4.2	1410.4	66.7	0.3	0	1413.1	81.2	0.2	0	1414.6	89.9	0.1	0	10
11	1425.9	179.7	0.5	4.1	1410.5	67.3	0.3	0	1413.1	81.2	0.2	0	1414.7	90.5	0.1	0	11
12	1425.2	172.6	0.4	3.9	1410.6	67.7	0.3	0	1413.2	81.7	0.2	0	1414.7	90.5	0.1	0	12
13	1424.5	165.8	0.4	4.2	1410.7	68.2	0.3	0	1413.3	82.3	0.2	0	1414.8	91.1	0.1	0	13
14	1423.7	159.1	0.4	4.2	1410.8	68.8	0.3	0	1413.4	82.9	0.2	0	1414.8	91.1	0.1	0	14
15	1423.0	151.6	0.4	4.4	1410.9	69.3	0.3	0	1413.4	82.9	0.2	0	1414.8	91.1	0.1	0	15
16	1422.2	144.5	0.4	3.8	1411.0	69.8	0.3	0	1413.5	83.4	0.2	0	1414.9	91.7	0.1	0	16
17	1421.6	139.3	0.4	3.1	1411.1	70.3	0.3	0	1413.5	83.4	0.2	0	1414.9	91.7	0.1	0	17
18	1421.1	135.1	0.4	2.7	1411.2	70.9	0.3	0	1413.6	84.0	0.2	0	1415.0	92.3	0.1	0	18
19	1420.1	127.1	0.4	4.5	1411.3	71.4	0.3	0	1413.7	84.6	0.2	0	1415.0	92.3	0.1	0	19
20	1418.8	117.4	0.4	5.6	1411.4	71.9	0.3	0	1413.7	84.6	0.2	0	1415.0	92.3	0.1	0	20
21	1417.3	107.0	0.3	6.0	1411.4	71.9	0.3	0	1413.8	85.2	0.2	0	1415.1	92.9	0.1	0	21
22	1415.9	97.9	0.3	4.9	1411.5	72.4	0.3	0	1413.8	85.2	0.2	0	1415.1	92.9	0.1	0	22
23	1414.4	88.7	0.3	4.9	1411.6	73.0	0.3	0	1413.9	85.7	0.2	0	1415.1	92.9	0.1	0	23
24	1413.0	80.6	0.3	4.2	1411.7	73.5	0.3	0	1413.9	85.7	0.1	0	1415.2	93.5	0.2	0	24
25	1411.5	72.4	0.2	4.2	1411.8	74.0	0.2	0	1414.0	86.3	0.1	0	1415.2	93.5	0.2	0	25
26	1409.9	64.1	0.2	4.2	1411.9	74.6	0.2	0	1414.0	86.3	0.1	0	1415.3	94.2	0.2	0	26
27	1408.9	59.2	0.3	3.8	1412.0	75.1	0.2	0	1414.1	86.9	0.1	0	1415.3	94.8	0.2	0	27
28	1408.8	58.8	0.3	0.4	1412.0	75.1	0.2	0	1414.1	86.9	0.1	0	1415.4	94.8	0.2	0	28
29	1408.9	59.2	0.3	0.1	1412.1	75.6	0.2	0	1414.1	86.9	0.1	0	1415.4	94.8	0.2	0	29
30	1409.1	60.2	0.3	0.0	1412.2	76.2	0.2	0									

PUDDINGSTONE DIVERSION

76D138N-68B Gb 7-55

DAM OPERATION RECORD																	
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of PUDDINGSTONE DIVERSION Dam																	
In San Dimas Wash for the Year Ending September 30, 1954																	
Drainage Area 2.6 Square Miles Capacity of Reservoir 133.2 Ac. Ft. at Spillway Elev. 1152.5 Ft. as of September 1953 Survey Gage Heights Read at various times																	
Continuous Water Stage Recorder Au																	
Day	October				November				December				January				Day
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1																	0
2																	0
3																	0
4																	0
5																	0
6																	0
7																	0
8																	0
9																	0
10																	0
11																	0
12																	0
13																	0
14																	0
15																	0
16																	0
17																	0
18																	0
19													1134.0	0.3	0.6		0
20														0.1			0
21																	0
22																	0
23																	0
24																	0
25																	0
26																	0
27																	0
28																	0
29																	0
30																	0
31																	0
TOTAL																	125.7
Inf. Ac. Ft.																	0
Outf. Ac. Ft.																	0
Maximum																	49.3
Mean Daily Inflow																	174.9 + (60.5)
Minimum																	42.4
Mean Daily Inflow																	0
Storage Change																	+13.8

NOTE: Gage Heights and Storages as of Midnight on Day Shown

RECORDS COLLECTED BY: R. S. SONNICHSEN (Dam Tender), G. H. MIDDLETON (Hydrographer)

COMPUTATIONS: JHL, JMD (Gage Hts. copied, Storage applied, Inf. & Outf. comp.)

REMARKS: ( ) INDICATES PERCOLATION LOSSES

76D138N-68B Gb 7-55

DAM OPERATION RECORD																	
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of PUDDINGSTONE DIVERSION Dam																	
In San Dimas Wash for the Year Ending September 30, 1954																	
Drainage Area 2.6 Square Miles Capacity of Reservoir 133.2 Ac. Ft. at Spillway Elev. 1152.5 Ft. as of September 1953 Survey Gage Heights Read at various times																	
Continuous Water Stage Recorder Au																	
Day	February				March				April				May				Day
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1133.8	11.9	0	0					1143.8	47.2	11.0	6.4					
2	1137.8	10.2	0	0					1144.3	51.0	11.3	6.4					
3	1137.4	8.7	0	0					1144.6	53.3	11.1	6.7					
4	1137.0	7.1	0	0					1144.9	55.6	11.1	6.7					
5	1135.7	6.2	0	0					1143.5	45.0	4.8	6.9					
6	1135.3	4.9	0	0					1141.1	28.2	0	6.2					
7	1136.0	3.9	0	0					1139.1	16.2	0	5.4					
8	1135.6	3.0	0	0					1138.7	14.2	0	0.2					
9	1135.3	2.2	0	0					1138.3	12.4	0	0					
10	1134.9	1.4	0	0					1137.6	10.2	0	0					
11	1134.5	0.9	0	0					1137.3	8.3	0	0					
12	1134.2	0.6	0	0					1136.8	5.5	0	0					
13	1135.7	0.6	3.7	0					1136.3	4.9	0	0					
14	1146.0	64.6	37.0	22.5					1135.8	3.4	0	0					
15	1143.4	44.3	33.4	38.0					1135.3	2.2	0	0					
16	1139.5	18.4	0	9.8						2.0	0	0					
17	1138.8	14.7	0	1.3						1.8	0	0					
18	1138.4	12.8	0	0						1.6	0	0					
19	1138.0	11.0	0	0						1.4	0	0					
20	1137.7	9.8	0	0						1.2	0	0					
21	1137.3	8.3	0	0						1.0	0	0					
22	1136.8	6.5	0	0						0.8	0	0					
23	1136.4	5.2	0	0						0.6	0	0					
24	1136.1	4.2	0	0						0.4	0	0					
25	1135.8	3.3	0	0						0.2	0	0					
26																	
27																	
28																	
29																	
30																	
31																	
TOTAL		94.1	71.6				47.4	11.8			49.3	44.9					0
Inf. Ac. Ft.		185.6					94.0				97.8						627.7
Outf. Ac. Ft.		142.0	58.5				23.4	27.0			39.1	52.4					429.4 + (198.4)
Maximum																	57.0
Mean Daily Inflow																	0
Minimum																	0
Storage Change		-13.8					+43.6				-43.6						0

NOTE: Gage Heights and Storages as of Midnight on Day Shown

RECORDS COLLECTED BY: R. S. SONNICHSEN (Dam Tender), G. H. MIDDLETON (Hydrographer)

COMPUTATIONS: JHL, JMD (Gage Hts. copied, Storage applied, Inf. & Outf. comp.)

REMARKS: ( ) INDICATES PERCOLATION LOSSES



PUDDINGSTONE DIVERSION (Cont'd)

760138N-68B Gb 7-55

Daily Gage Height in feet and Operation Record of <u>PUDDINGSTONE DIVERSION</u> Dam																	
In <u>San Dimas Wash</u> for the Year Ending September 30, 19 <u>54</u>																	
Drainage Area <u>2.6</u> Square Miles. Capacity of Reservoir <u>138.2</u> Ac. Ft. at Spillway Elev. <u>1152.5</u> Ft. as of <u>September</u> 19 <u>53</u> Survey																	
Continuous Water Stage Recorder <u>Au</u>																	
Gage Heights Read at various times																	
Day	June				July				August				September				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1																	1
2																	2
3																	3
4																	4
5																	5
6																	6
7																	7
8																	8
9																	9
10																	10
11																	11
12																	12
13																	13
14																	14
15																	15
16																	16
17																	17
18																	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. <u>627.7</u>																	
Outf. Ac. Ft. <u>429.4 + (198.4)</u>																	
Max. Daily Inflow <u>57.0</u>																	
Min. Daily Inflow <u>0</u>																	
Max. Daily Outflow <u>0</u>																	
Storage Change <u>0</u>																	
NOTE: Gage Heights and Storages as of Midnight on Day Shown																	
RECORDS COLLECTED BY																	
R. S. SONNICHSEN Dam Tender																	
G. H. MIDDLETON Hydrographer																	
COMPUTATIONS																	
Gage Hts. copied																	
Storage applied																	
Inf. & Outf. comp.																	
cld. Date																	
Max. W. S. Elev. <u>1146.0</u> feet on <u>2-15-54</u> Storage <u>64.6</u> Acre Feet																	
Min. W. S. Elev. <u>1131.5</u> feet on <u>MOST OF YEAR</u> Storage <u>0</u> Acre Feet																	
Max. Peak Inf. <u>62</u> C.F.S. from <u>2:30 PM</u> on <u>2-14-54</u> to <u>4:15 PM</u> on <u>2-14-54</u>																	
Max. Peak Outf. <u>80</u> C.F.S. from <u>7:00 PM</u> on <u>2-14-54</u> to <u>MIDNITE</u> on <u>2-14-54</u>																	
REMARKS <u>( ) INDICATES PERCOLATION LOSS</u>																	

760138N-68B Gb 7-55

Daily Gage Height in feet and Operation Record of <u>PUDDINGSTONE DIVERSION</u> Dam																	
In <u>San Dimas Wash</u> for the Year Ending September 30, 19 <u>55</u>																	
Drainage Area <u>2.64</u> Square Miles. Capacity of Reservoir <u>138.2</u> Ac. Ft. at Spillway Elev. <u>1152.5</u> Ft. as of <u>September</u> 19 <u>53</u> Survey																	
Continuous Water Stage Recorder <u>Au</u>																	
Gage Heights read at various times																	
Day	October				September				September				Day				
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow		Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow
1																	1
2																	2
3																	3
4																	4
5																	5
6																	6
7																	7
8																	8
9																	9
10																	10
11																	11
12																	12
13																	13
14																	14
15																	15
16																	16
17																	17
18																	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.																	
Max. Daily Inflow																	
Min. Daily Inflow																	
Max. Daily Outflow																	
Storage Change																	
NOTE: Gage Heights and Storages as of Midnight on Day Shown																	
RECORDS COLLECTED BY																	
R. L. SONNICHSEN Dam Tender																	
G. H. MIDDLETON Hydrographer																	
COMPUTATIONS																	
Gage Hts. copied																	
Storage applied																	
Inf. & Outf. comp.																	
cld. Date																	
Max. W. S. Elev.																	
Min. W. S. Elev.																	
Max. Peak Inf.																	
Max. Peak Outf.																	
REMARKS																	

PUDDINGSTONE

76D136N-68B Q6 7-55

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of PUDDINGSTONE Dam

In Puddingstone Creek for the Year Ending September 30, 1954

Continuous Water Stage Recorder Au

Drainage Area 32.2 Square Miles. Capacity of Reservoir 17,190 Ac. Ft. at Spillway Elev. 970.0 Ft. as of January 1941 Survey

Gage Heights Read daily

Table with columns for Day, Gage Height, Acre Ft. Storage, C.F.S. Inflow, C.F.S. Outflow for months October, November, December, and January. Includes summary statistics and remarks.

76D136N-68B Q6 7-55

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of PUDDINGSTONE Dam

In Puddingstone Creek for the Year Ending September 30, 1954

Continuous Water Stage Recorder Au

Drainage Area 32.2 Square Miles. Capacity of Reservoir 17,190 Ac. Ft. at Spillway Elev. 970.0 Ft. as of January 1941 Survey

Gage Heights Read daily

Table with columns for Day, Gage Height, Acre Ft. Storage, C.F.S. Inflow, C.F.S. Outflow for months February, March, April, and May. Includes summary statistics and remarks.

PUDDINGSTONE (Cont'd)

760138N-68B Q4 7-55

DAM OPERATION RECORD LOS ANGELES COUNTY FLOOD CONTROL DISTRICT HYDRAULIC DIVISION																		
Daily Gage Height in feet and Operation Record of <u>PUDDINGSTONE</u> Dam																		
-In- Puddingstone Creek for the Year Ending September 30, 19 <u>54</u>																		
-On- _____																		
Drainage Area <u>32.2</u> Square Miles. Capacity of Reservoir <u>17,190</u> Ac. Ft. at Spillway Elev. <u>970.0</u> Ft. as of <u>January</u> 19 <u>41</u> Survey <u>Gage Heights</u> Read <u>daily</u> Continuous Water Stage Recorder <u>Au</u>																		
Day	June				July				August				September				Day	
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow		
1	915.96	2360.4	0.4	5.0	912.41	1975.7	0.8	5.4	944.16	7653.6	231.6	2.7	932.79	4951.6	241.4	314.0	1	
2	915.83	2345.7	0.4	5.9	912.29	1964.4	0.2	5.4	945.64	8060.0	231.6	2.7	932.11	4816.6	238.6	312.0	2	
3	915.73	2334.4	0.4	5.8	912.16	1953.2	0.8	5.4	947.08	8473.8	237.7	2.7	931.44	4687.1	238.6	309.0	3	
4	915.62	2322.0	0.4	5.8	912.06	1940.8	0.3	5.5	948.55	8910.6	243.7	2.7	930.74	4554.3	238.6	309.0	4	
5	915.51	2309.4	0.3	5.8	911.93	1927.7	0.7	5.4	949.93	9332.0	237.0	3.2	930.04	4424.1	235.3	304.0	5	
6	915.38	2295.0	0.3	5.8	911.81	1915.6	0.7	5.4	951.02	9674.4	234.0	3.2	929.30	4290.4	233.6	302.0	6	
7	915.26	2281.4	0.3	5.8	911.69	1902.9	0.2	5.4	951.17	9742.2	233.2	1.9	927.92	4077.5	181.6	302.0	7	
8	915.15	2269.0	0.3	5.7	911.54	1919.8	1.6	5.5	950.60	9542.2	234.8	3.5	926.96	3844.2	234.1	316.0	8	
9	915.04	2256.6	0.2	5.7	911.20	2058.3	8.0	5.4	950.00	9333.5	234.8	3.5	926.11	3744.0	236.7	312.0	9	
10	914.92	2243.4	0.2	5.7	914.90	2241.2	109.2	5.4	949.39	9165.9	233.2	3.4	925.22	3601.9	237.6	309.0	10	
11	914.80	2230.3	0.2	5.7	916.56	2430.1	109.2	5.4	948.58	8919.6	232.4	3.6	924.34	3466.2	236.3	304.0	11	
12	914.69	2218.2	0.2	5.7	917.87	2586.1	94.7	5.5	947.77	8677.2	231.6	3.5	923.46	3334.6	238.3	300.0	12	
13	914.58	2206.2	0.2	5.6	917.76	2572.9	70.2	5.4	946.97	8441.5	232.7	3.4	922.60	3209.9	238.9	295.0	13	
14	914.47	2194.2	0.2	5.6	917.66	2560.9	70.2	4.9	946.14	8202.1	237.1	3.4	921.78	3094.4	237.5	293.0	14	
15	914.35	2081.1	0.2	5.6	917.55	2547.6	0.2	4.9	945.37	7963.9	237.2	3.4	920.92	2976.7	234.8	289.0	15	
16	914.24	2169.1	0.3	6.4	917.45	2535.6	0.2	5.8	944.69	7794.1	237.5	3.4	920.00	2854.5	232.8	282.0	16	
17	914.11	2154.9	0.4	6.8	918.27	2635.4	5.6	4.9	943.92	7582.6	236.9	3.3	919.05	2732.5	233.1	309.0	17	
18	913.97	2139.7	0.4	6.8	919.07	2841.7	121.3	4.8	943.19	7336.2	236.3	3.3	917.62	2555.0	232.8	317.0	18	
19	913.84	2123.0	0.4	6.8	921.18	3012.0	100.1	3.3	942.42	7182.9	237.5	3.2	916.23	2391.7	232.0	307.0	19	
20	913.69	2110.1	0.4	6.8	923.18	3293.3	158.4	2.9	941.67	6938.3	237.1	3.2	914.05	2143.4	139.6	311.0	20	
21	913.56	2096.4	0.3	6.7	925.99	3660.7	204.8	2.8	940.91	6794.4	237.1	3.2	910.12	1751.0	117.6	315.0	21	
22	913.43	2082.7	0.2	6.5	927.86	4037.3	215.6	2.8	940.16	6607.3	237.7	3.2	902.40	1116.9	0	332.0	22	
23	913.31	2070.0	0.2	6.4	930.02	4420.4	218.8	2.8	939.44	6431.2	237.0	3.2	892.39	531.2	0	235.0	23	
24	913.20	2058.3	0.2	6.4	932.19	4832.5	227.0	2.9	938.66	6248.4	235.7	3.2	889.28	329.2	0	96.0	24	
25	913.08	2045.7	0.3	6.4	934.02	5203.6	222.2	2.8	937.91	6063.4	236.6	3.2	884.99	259.3	0	33.0	25	
26	912.98	2033.2	0.3	6.4	936.07	5647.1	222.4	2.8	937.14	5883.6	236.2	3.2	884.50	246.3	0	5.6	26	
27	912.87	2021.9	0.3	6.4	937.28	5921.0	167.3	2.8	936.39	5719.1	235.6	3.2	884.30	241.0	0	2.2	27	
28	912.75	2011.6	0.3	6.3	937.99	6084.9	98.8	2.9	935.62	5548.1	236.1	3.2	884.20	238.3	0.3	1.6	28	
29	912.63	1999.3	0.4	6.3	939.38	6416.6	139.1	3.4	934.87	5334.5	237.0	3.2	884.16	237.3	0.5	1.0	29	
30	912.52	1988.0	0.4	6.3	940.96	6811.9	231.1	2.7	934.19	5139.6	238.5	3.2	884.14	236.7	0.4	0.6	30	
31	912.40	1976.7	0.4	6.3	942.60	7230.1	233.7	2.6	933.51	5009.5	239.7	3.2	884.00	236.0	0.4	0.4	31	
TOTAL			9.0	174.9			3037.1	133.5				7313.5	8272.3		4745.1	7170.2		
Inf. Ac. Ft.			17.9				4123.2					14506.1			3411.8		31281.6	
Outf. Ac. Ft.			345.9	(52.6)			254.8	(616.3)				16407.9	(230.2)		14221.9	(31.2)	31608.9	(124.2)
Net Daily Inflow			0.4				233.7					243.7			243.7		243.7	
Net Daily Outflow			0.2				0.1					231.6			0		0	
Storage Change			-381.6				+5242.1					-2131.6			-4861.8		-1569.9	

NOTE: Gage Heights and Storage as of Midnight on Day Shown

Max. W. S. Elev.	951.19	feet	on	8-8-54	Storage	9729.2	Acres Feet
Min. W. S. Elev.	884.14	feet	on	9-30-54	Storage	236.7	Acres Feet
Max. Peak Inf.	600.	C.F.S. from	2:00 AM	on	1-25-54	to	3:00 AM
Max. Peak Outf.	400	C.F.S. from	6:00 AM	on	9-23-54	to	6:30 AM

RECORDS COLLECTED BY  
F. A. POLLARD Dam Tender  
G. H. MIDDLETON Hydrographer

COMPUTATIONS  
Gage Hts. copied JHL HRW  
Storage applied JHL HRW  
Inf. & Outf. comp. JHL HRW

REMARKS  
( ) INDICATES AVERAGE FOR PERIOD  
( ) INDICATES EVAPORATION AND PERCOLATION LOSSES

760138N-68B Q4 7-55

DAM OPERATION RECORD LOS ANGELES COUNTY FLOOD CONTROL DISTRICT HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of <u>PUDDINGSTONE</u> Dam																	
-In- Puddingstone Creek for the Year Ending September 30, 19 <u>55</u>																	
-On- _____																	
Drainage Area <u>32.1</u> Square Miles. Capacity of Reservoir <u>17,190</u> Ac. Ft. at Spillway Elev. <u>970.0</u> Ft. as of <u>January</u> 19 <u>41</u> Survey <u>Gage Heights</u> read <u>daily</u> Continuous Water Stage Recorder <u>Au</u>																	
Day	October				November				December				January				Day
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	933.76	227.1	0.3	0.6	944.47	7719.6	245.4	0	930.87	4579.4	242.8	0.6	901.26	1037.6	3.4	0.05	1
2	933.76	227.1	0.7	0.6	945.04	8173.2	244.0	2.9	931.32	4714.1	242.8	1.9	901.27	1039.2	0.5	0.05	2
3	933.76	227.1	0.7	0.6	945.13	8197.2	243.5	2.2	931.67	4731.5	246.3	2.0	901.28	1039.9	0.5	0.05	3
4	933.76	227.1	0.7	0.6	945.43	8000.8	242.6	3.2	931.11	4633.7	245.2	2.9	901.29	1039.6	0.5	0.05	4
5	933.76	227.1	0.7	0.6	944.60	7762.3	242.3	3.8	929.89	4366.0	245.6	3.5	901.30	1040.3	0.7	0.05	5
6	933.76	227.1	0.7	0.6	943.72	7547.5	242.2	3.4	929.05	4060.9	245.0	3.5	901.37	1045.1	2.5	0.05	6
7	933.76	227.1	0.4	0.3	942.96	7322.9	246.0	3.4	923.78	3811.8	10.3	3.5	901.38	1045.8	0.6	0.05	7
8	933.76	227.1	0.3	0.2	942.67	7249.5	244.3	2.7	919.83	3705.0	2.9	3.6	901.39	1046.5	0.6	0.05	8
9	933.76	227.1	0.2	0.1	943.16	7363.5	244.1	1.9	914.48	2195.3	1.3	3.6	901.39	1046.5	0.2	0.05	9
10	933.76	227.1	0.2	0.1	942.88	7307.6	243.4	2.0	909.65	1416.0	1.3	4.0	902.17	1100.5	2.7	0.05	10
11	933.76	227.1	0.2	0.2	944.77	7808.1	235.0	1.6	901.54	1056.6	1.4	2.9	902.18	1101.2	0.6	0.05	11
12	933.76	227.1	0.2	0.2	944.71	7729.6	110.3	9.2	901.02	1021.1	1.2	3.3	902.19	1101.9	0.6	0.05	12
13	933.76	227.1	0.2	0.1	944.37	7692.2	244.5	2.9	901.05	1023.1	1.2	3.3	902.20	1102.7	0.6	0.05	13
14	933.76	227.1	0.2	0.1	943.73	7504.5	244.5	3.2	901.07	1024.5	0.9	0	902.21	1103.4	0.6	0.05	14
15	933.76	227.1	0.2	0.1	943.60	7469.6	244.5	2.6	901.09	1025.9	0.9	0	902.21	1103.4	0.2	0.05	15
16	909.35	909.8	243.6	0	942.86	7229.4	244.5	2.9	901.10	1026.6	0.5	0	902.69	1137.6	1.7	0.05	16
17	909.35	193.0	167.1	0	942.03	7030.6	244.5	3.1	901.10	1026.6	0.3	0	902.71	1139.0	0.8	0.05	17
18	909.85	1433.8	242.1	0	941.22	6873.2	244.5	3.2	901.12	1027.9	1.0	0	904.40	1264.3	6.4	0.05	18
19	913.45	908.8	242.2	0	940.37	6659.7	244.3	3.4	901.12	1027.9	0.4	0	904.46	1268.9	2.5	0.05	19
20	917.46	2535.6	243.8	0	939.47	6438.5	244.3	3.5	901.13	1028.6	0.6	0	904.45	1271.2	1.5	0.05	20
21	921.01	2999.7	244.4	0	939.55	6217.6	244.3	3.4	901.14	1029.3	0.7	0	904.51	1272.7	1.1	0.05	21
22	924.02	3417.3	243.2	0	937.63	6001.8	244.3	3.1	901.15	1030.0	0.7	0	904.54	1274.3	1.0	0.05	22
23	926.82	3861.1	242.5	0	935.65	5777.6	244.3	3.0	901.15	1030.0	0.3	0	904.54	1275.0	0.5	0.05	23
24	929.30	4290.4	242.5	0	933.64	5550.3	244.3	3.5	901.16	1030.7	0.6	0	904.54	1275.8	0.7	0.05	24
25	931.70	4731.7	242.5	0	933.64	5332.6	244.3	3.2	901.16	1030.7	0.3	0	904.55	1275.8	0.7	0.05	25

PUDDINGSTONE (Cont'd)

74D138N-58B Qb 7-55

Daily Gage Height in feet and Operation Record of PUDDINGSTONE Dam															DAM OPERATION RECORD LOS ANGELES COUNTY FLOOD CONTROL DISTRICT HYDRAULIC DIVISION			
On Puddingstone Creek for the Year Ending September 30, 1955															Continuous Water Stage Recorder Au			
Drainage Area 32.1 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				March				April				May				Day	
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow		
1	904.60	1279.6	0.3	0.05	904.71	1238.1	0.4	0.05	905.87	1451.7	5.4	0.05	910.14	1752.9	12.1	0.06	1	
2	904.60	1279.6	0.4	0.05	904.71	1238.1	0.2	0.05	906.86	1450.8	0.2	0.05	910.39	1776.9	12.4	0.08	2	
3	904.60	1279.6	0.4	0.05	904.71	1238.1	0.2	0.05	906.85	1450.0	0.1	0.05	910.61	1798.0	11.2	0.08	3	
4	904.60	1279.6	0.4	0.05	904.71	1238.1	0.2	0.05	906.84	1452.2	0.1	0.05	910.65	1821.0	12.0	0.08	4	
5	904.60	1279.6	0.3	0.05	904.72	1238.1	0.3	0.05	906.82	1457.6	0	0.05	911.03	1838.4	9.2	0.08	5	
6	904.60	1279.6	0.3	0.05	904.71	1238.1	0.4	0.05	906.81	1456.7	0	0.05	911.03	1838.4	0.8	0.08	6	
7	904.59	1278.9	0	0.05	904.71	1238.1	0.6	0.05	906.79	1455.1	0	0.05	911.10	1845.5	3.7	0.08	7	
8	904.59	1278.9	0.3	0.05	904.70	1237.3	0	0.05	906.76	1454.2	0	0.05	911.10	1845.5	0.2	0.08	8	
9	904.59	1278.9	0.5	0.05	904.70	1237.3	0.3	0.05	906.83	1453.4	2.3	0.05	911.09	1844.3	0	0.08	9	
10	904.58	1278.1	0.3	0.05	904.76	1291.9	2.6	0.05	906.97	1463.9	6.4	0.05	911.08	1843.3	0	0.08	10	
11	904.58	1278.1	0.6	0.05	904.76	1291.9	0.2	0.05	907.11	1441.8	6.6	0.05	911.07	1842.4	0	0.08	11	
12	904.58	1278.1	0.5	0.05	904.76	1291.9	0.2	0.05	907.24	1493.0	6.3	0.05	911.06	1841.4	0	0.08	12	
13	904.58	1278.1	0.1	0.05	904.75	1291.1	0.1	0.05	907.38	1505.0	6.7	0.05	911.05	1840.4	0	0.08	13	
14	904.57	1277.3	0.1	0.05	904.75	1291.1	0.1	0.05	907.52	1517.0	6.6	0.05	911.04	1839.4	0	0.08	14	
15	904.57	1277.3	0.2	0.05	904.75	1291.1	0.2	0.05	907.64	1527.2	5.8	0.05	911.02	1837.4	0	0.08	15	
16	904.57	1280.4	1.7	0.05	904.78	1293.4	1.6	0.05	907.74	1535.8	5.0	0.05	911.01	1835.4	0	0.08	16	
17	904.55	1283.5	1.7	0.05	904.78	1293.4	0.4	0.05	907.80	1541.0	3.3	0.05	910.99	1834.4	0	0.08	17	
18	904.55	1283.5	0.5	0.05	904.78	1293.4	0.3	0.05	907.83	1543.6	1.9	0.05	910.97	1832.5	0	0.08	18	
19	904.54	1282.7	0.3	0.05	904.77	1292.7	0.1	0.05	907.86	1546.1	2.1	0.05	910.96	1831.6	0	0.08	19	
20	904.54	1282.7	0.1	0.05	904.76	1292.7	3.1	0.05	907.92	1551.2	3.1	0.05	910.94	1829.6	0	0.08	20	
21	904.53	1281.9	0.2	0.05	905.37	1327.3	3.2	0.05	908.02	1558.2	7.5	0.05	910.92	1827.7	0	0.08	21	
22	904.53	1281.9	0.1	0.05	905.37	1327.3	12.1	0.05	908.32	1565.2	11.0	0.05	910.92	1827.7	0	0.08	22	
23	904.52	1281.2	0	0.05	905.39	1341.3	10.8	0.05	908.54	1570.6	10.4	0.05	910.92	1827.7	0	0.08	23	
24	904.51	1280.4	0	0.05	905.67	1363.7	11.7	0.05	908.75	1574.4	9.6	0.05	910.91	1826.8	0	0.08	24	
25	904.52	1281.2	0.8	0.05	905.92	1333.5	10.5	0.05	908.93	1574.9	8.4	0.05	910.89	1824.9	0	0.08	25	
26	904.54	1282.7	1.1	0.05	905.16	1403.1	10.5	0.05	909.07	1573.6	6.8	0.05	910.89	1824.9	0	0.08	26	
27	904.72	1288.8	3.3	0.05	905.42	1424.6	11.3	0.05	909.20	1565.6	6.7	0.05	910.88	1823.9	0	0.08	27	
28	904.71	1288.1	0.2	0.05	905.68	1445.0	11.2	0.05	909.40	1564.4	9.9	0.05	910.86	1822.0	0	0.08	28	
29					905.68	1445.0	0.4	0.05	909.51	1563.4	10.3	0.05	910.86	1822.0	0	0.08	29	
30					905.67	1445.2	0	0.05	909.59	1562.9	13.6	0.05	910.85	1821.0	0	0.08	30	
31					905.73	1450.1	3.1	0.05					910.84	1820.0	0	0.08	31	
TOTAL		14.5		1.40			93.3	15.5			137.1	1.50			61.7	2.45		
Inf. Ac. Ft.		23.8					13.5				31.6				1.23	2593.3		
Outf. Ac. Ft.															4.9	23273.3 + (1066.9)		
Net Daily Inflow		3.3		(17.5)			12.1				13.6				12.4	23.0		
Net Daily Outflow															0	0		
Storage Change		+8.5		0		+152.0				+279.2			+90.7			+1592.2		

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	946.30	feet	on	11-3-54	Storage	8248	Acres Feet		
Min. W. S. Elev.	884.14	feet	on	10-1-54	Storage	227	Acres Feet		
Max. Peak Inf.	338	C.F.S. from	6:00 AM	on	11-11-54	to	8:00 AM	on	11-11-54
Max. Peak Outf.	368	C.F.S. from	8:10 AM	on	12-10-54	to	8:30 PM	on	12-10-54

RECORDS COLLECTED BY  
F. A. POLLARD Dam Tender  
G. H. MIDDLETON Hydrographer

COMPUTATIONS  
Gage Hts. copied JHL HRW  
Storage applied JHL HRW  
Inf. & Outf. comp. JHL HRW

REMARKS ( ) INDICATES AVERAGE FOR PERIOD OR PROPORTED DAILY AMOUNTS  
( ) INDICATES EVAPORATION AND PERCOLATION LOSSES

74D138N-58B Qb 7-55

Daily Gage Height in feet and Operation Record of PUDDINGSTONE Dam															DAM OPERATION RECORD LOS ANGELES COUNTY FLOOD CONTROL DISTRICT HYDRAULIC DIVISION			
On Puddingstone Creek for the Year Ending September 30, 1955															Continuous Water Stage Recorder Au			
Drainage Area 32.1 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	June				July				August				September				Day	
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow		
1	910.82	1813.1	0	0.08	910.35	1776.9	0	0.05	909.86	1726.6	2.1	0.05	909.91	1731.2	0	0.05	1	
2	910.81	1817.2	0	0.08	910.37	1775.0	0	0.05	909.92	1732.1	4.2	0.05	909.88	1728.4	0	0.05	2	
3	910.79	1815.3	0	0.08	910.36	1774.0	0	0.05	909.99	1738.6	4.2	0.05	909.86	1726.6	0	0.05	3	
4	910.78	1814.3	0	0.08	910.36	1774.0	0	0.05	910.06	1745.3	4.2	0.05	909.83	1723.8	0	0.05	4	
5	910.77	1813.3	0	0.08	910.33	1771.1	0	0.05	910.13	1752.0	4.2	0.05	909.81	1721.9	0	0.05	5	
6	910.75	1811.4	0	0.08	910.32	1770.2	0	0.05	910.20	1758.7	4.2	0.05	909.79	1720.1	0	0.05	6	
7	910.74	1810.5	0	0.08	910.30	1768.3	0	0.05	910.25	1763.5	4.2	0.05	909.76	1717.3	0	0.05	7	
8	910.72	1808.5	0	0.08	910.28	1766.4	0	0.05	910.31	1769.2	3.5	0.05	909.75	1716.4	0	0.05	8	
9	910.71	1807.6	0	0.08	910.27	1765.4	0	0.05	910.33	1772.1	1.8	0.05	909.73	1714.6	0	0.05	9	
10	910.70	1806.6	0	0.08	910.26	1764.4	0	0.05	910.35	1775.3	1.2	0.05	909.72	1713.6	0	0.05	10	
11	910.68	1804.7	0	0.08	910.24	1762.5	0	0.05	910.32	1771.1	0	0.05	909.70	1711.6	0	0.05	11	
12	910.67	1803.8	0	0.08	910.23	1761.6	0	0.05	910.30	1768.3	0	0.05	909.67	1709.7	0	0.05	12	
13	910.65	1801.8	0	0.08	910.20	1758.7	0	0.05	910.28	1766.4	0	0.05	909.65	1707.8	0	0.05	13	
14	910.64	1800.9	0	0.08	910.19	1757.7	0	0.05	910.26	1764.5	0	0.05	909.63	1705.9	0	0.05	14	
15	910.63	1800.0	0	0.08	910.18	1756.8	0	0.05	910.25	1763.5	0	0.05	909.62	1704.4	0	0.05	15	
16	910.62	1799.0	0	0.08	910.16	1754.8	0	0.05	910.25	1763.5	0	0.05	909.61	1703.5	0	0.05	16	
17	910.61	1798.0	0	0.08	910.14	1752.9	0	0.05	910.23	1761.6	0	0.05	909.59	1701.6	0	0.05	17	
18	910.60	1797.0	0	0.08	910.12	1751.0	0	0.05	910.21	1759.6	0	0.05	909.58	1700.7	0	0.05	18	
19	910.58	1795.1	0	0.08	910.10	1749.1	0	0.05	910.18	1756.8	0	0.05	909.58	1700.7	1.2	0.05	19	
20	910.56	1793.2	0	0.08	910.08	1747.2	0	0.05	910.16	1754.8	0	0.05	909.56	1700.7	2.0	0.05	20	
21	910.55	1792.2	0	0.08	910.05	1744.3	0	0.05	910.13	1752.0	0	0.05	909.53	1700.7	2.2	0.05	21	
22	910.53	1790.3	0	0.08	910.04	1743.3	0	0.05	910.11	1750.0	0	0.05	909.51	1700.7	2.2	0.05	22	
23	910.51	1788.4	0	0.05	910.02	1741.4	0	0.05	910.09	1748.1	0	0.05	909.48	1700.7	2.2	0.05	23	
24	910.49	1786.5	0	0.05	910.00	1739.5	0	0.05	910.07	1746.2	0	0.05	909.47	1700.7	2.0	0.05	24	
25	910.47	1784.6	0	0.05	909.98	1737.7	0	0.05	910.05	1744.3	0	0.05	909.47	1700.7	2.0	0.05	25	
26	910.46	1783.7	0	0.05	909.95	1735.9	0	0.05	910.03	1742.4	0	0.05	909.45	1700.7	2.0	0.05	26	
27	910.45	1782.7	0	0.05	909.93	1733.0	0	0.05	910.01	1740.5	0	0.05	909.45	1700.7	2.6	0.05	27	
28	910.43	1780.7	0	0.05	909.91	1731.2	0	0.05	909.99	1738.6	0	0.05	909.46	1700.7	4.3			

LIVE OAK

74D138N-68B Q4 7-55

DAM OPERATION RECORD																	
LOS ANGELES COUNTY																	
FLOOD CONTROL DISTRICT																	
HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of <u>LIVE OAK</u> Dam													Continuous Water Stage Recorder <u>Au</u>				
In <u>Live Oak Canyon</u> for the Year Ending September 30, 19 <u>54</u>																	
Drainage Area <u>2.3</u> Square Miles Capacity of Reservoir <u>221.1</u> Ac. Ft. at Spillway Elev. <u>1497.0</u> Ft. as of <u>November</u> 19 <u>52</u> Survey													Gage Heights Read at various times				
Day	October				November				December				January			Day	
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow		C.F.S. Outflow
1	1447.0	0.1			1446.4	0.1			1446.0	0.1			1445.7				1
2	1447.0	0.1			1446.4	0.1			1446.0	0.1			1445.7				2
3	1447.0	0.1			1446.3	0.1			1445.0	0.1			1445.7	SMALL POOL			3
4	1447.0	0.1			1446.3	0.1			1445.0	0.1			1445.7				4
5	1446.9	0.1			1446.3	0.1			1445.0	0.1			1445.7				5
6	1446.9	0.1			1446.3	0.1			1445.0	0.1			1445.7				6
7	1446.8	0.1			1446.2	0.1			1445.0	0.1			1445.7				7
8	1446.8	0.1			1446.2	0.1			1445.0	0.1			1445.7				8
9	1446.8	0.1			1446.2	0.1			1445.0	0.1			1445.7				9
10	1446.8	0.1			1446.2	0.1			1445.0	0.1			1445.6				10
11	1446.8	0.1			1446.2	0.1			1445.0	0.1			1445.6				11
12	1446.7	0.1			1446.2	0.1			1445.0	0.1			1445.7				12
13	1446.7	0.1			1446.2	0.1			1445.0	0.1			1445.7	POOL			13
14	1446.7	0.1			1446.3	0.1			1445.9	0.1			1445.8	0.1			14
15	1446.7	0.1			1446.3	0.1			1445.9	0.1			1445.8	0.1			15
16	1446.7	0.1			1446.2	0.1			1445.9	0.1			1445.8	0.1			16
17	1446.6	0.1			1446.2	0.1			1445.9	0.1			1445.7	0.1			17
18	1446.6	0.1			1446.2	0.1			1445.9	0.1			1445.9	0.1			18
19	1446.6	0.1			1446.2	0.1			1445.9	0.1			1451.0	0.9	0.5		19
20	1446.6	0.1			1446.2	0.1			1445.9	0.1			1450.9	0.8			20
21	1446.6	0.1			1446.2	0.1			1445.9	0.1			1450.8	0.8			21
22	1446.5	0.1			1446.1	0.1			1445.9	0.1			1450.8	0.8			22
23	1446.5	0.1			1446.1	0.1			1445.9	0.1			1450.8	0.8			23
24	1446.5	0.1			1446.1	0.1			1445.9	0.1			1457.5	4.8			24
25	1446.5	0.1			1446.1	0.1			1445.9	0.1			1470.5	31.2	1.3	0	25
26	1446.5	0.1			1446.1	0.1			1445.9	0.1			1469.1	26.6	0.6	2.9	26
27	1446.5	0.1			1446.1	0.1			1445.8	0.1			1463.7	13.4	1.8	8.4	27
28	1446.4	0.1			1446.1	0.1			1445.8	0.1			1461.1	9.0	0.7	3.0	28
29	1446.4	0.1			1446.1	0.1			1445.8	0.1			1461.2	9.2	0.1	0	29
30	1446.4	0.1			1446.1	0.1			1445.8	0.1			1461.2	9.2	0.0	0	30
31	1446.4	0.1			1446.0	0.1			1445.7	0.1			1461.3	9.3	0.0	0	31
TOTAL																	
Inflow: 0.1																	
Outflow: 0																	
Net Change: 0.1																	
Reservoir Storage: 0																	
Bank Storage: 0																	
Evaporation & Percolation Losses: 0																	
Storage Change: 0																	
NOTE: Gage Heights and Storages as of Midnight on Day Shown																	
RECORDS COLLECTED BY: R. SONNICHSEN, G. H. MIDDLETON																	
COMPUTATIONS: JHL, HRW, JHL																	
ckd. Date																	

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DAM OPERATION RECORD																	
LOS ANGELES COUNTY																	
FLOOD CONTROL DISTRICT																	
HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of <u>LIVE OAK</u> Dam													Continuous Water Stage Recorder <u>Au</u>				
In <u>Live Oak Canyon</u> for the Year Ending September 30, 19 <u>54</u>																	
Drainage Area <u>2.3</u> Square Miles Capacity of Reservoir <u>221.1</u> Ac. Ft. at Spillway Elev. <u>1497.0</u> Ft. as of <u>November</u> 19 <u>52</u> Survey													Gage Heights Read at various times				
Day	February				March				April				May			Day	
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow		C.F.S. Outflow
1	1461.4	9.5	0.0	0.3	1463.8	25.7			1472.0	37.5	0.5		1472.1	36.9			1
2	1461.4	9.5	0.0	0.3	1463.8	25.7			1472.0	37.5	0.4		1472.0	36.9			2
3	1461.5	9.6	0.0	0.3	1463.8	25.7			1472.0	37.6	0.2		1472.0	36.5			3
4	1461.5	9.6	0.0	0.3	1463.7	25.4			1472.4	39.0	0.1		1471.9	36.1			4
5	1461.5	9.6	0.0	0.3	1463.7	25.4			1472.4	39.0	0.0		1471.9	36.1			5
6	1461.5	9.6	0.0	0.2	1463.7	25.4			1472.5	38.4	0.0		1471.8	35.8			6
7	1461.5	9.6	0.0	0.2	1463.6	25.1			1472.5	39.4	0.0		1471.8	35.8			7
8	1461.5	9.6	0.0	0.2	1463.6	25.1			1472.5	39.4	0.0		1471.7	35.4			8
9	1461.5	9.6	0.0	0.2	1463.6	25.1			1472.5	39.4	0.0		1471.7	35.4			9
10	1461.5	9.6	0.0	0.2	1463.6	25.1			1472.5	39.4	0.0		1471.7	35.4			10
11	1461.5	9.6	0.0	0.2	1468.5	24.8			1472.6	39.4	0.0		1471.6	35.0			11
12	1461.5	9.6	0.0	0.2	1468.5	24.8			1472.6	39.4	0.0		1471.6	35.0			12
13	1464.0	14.0	2.2		1468.4	24.5			1472.6	39.6	0.2		1471.5	34.7			13
14	1467.4	21.8	3.9		1468.4	24.5			1472.6	39.8	0.1		1471.5	34.7			14
15	1468.3	24.2	1.2		1468.3	24.2			1472.6	39.8	0.0		1471.4	34.3			15
16	1468.6	25.1	0.5		1468.3	24.2			1472.6	39.4	0.0		1471.4	34.3			16
17	1468.8	25.7	0.3		1468.4	24.5			1472.6	39.4	0.0		1471.4	34.3			17
18	1468.9	26.0	0.2		1468.4	24.5			1472.6	39.4	0.0		1471.3	34.0			18
19	1469.0	26.3	0.1		1468.4	24.5			1472.4	39.0	0.0		1471.2	33.6			19
20	1469.0	26.3	0.0	0.4	1468.5	24.6	0.1		1472.4	39.0	0.0		1471.1	33.2			20
21	1469.0	26.3	0.0	0.2	1468.6	25.1	0.2		1472.4	39.0	0.0		1471.1	33.2			21
22	1469.0	26.3	0.0	0.2	1468.8	25.7	0.3		1472.4	39.0	0.0		1471.0	32.9			22
23	1469.0	26.3	0.0	0.2	1468.9	26.0	0.5		1472.3	37.6	0.0		1470.9	32.5			23
24	1469.0	26.3	0.0	0.2	1469.2	26.9	0.4		1472.3	37.6	0.0		1469.0	26.3	0.1	3.3	24
25	1468.9	26.0	0.0	0.2	1469.9	29.2	1.3		1472.3	37.6	0.0		1464.1	14.2	0.1	5.8	25
26	1468.9	26.0	0.0	0.2	1470.1	29.8	0.3		1472.3	37.3	0.0		1455.6	3.2	0.1	5.3	26
27	1468.9	26.0	0.0	0.2	1470.3	30.5	0.3		1472.3	37.3	0.0		1452.5	1.3	0.1	1.2	27
28	1468.8	25.7	0.0	0.2	1470.5	31.2	0.4		1472.3	37.3	0.0		1452.3	1.0	0.1	0	28
29					1470.7	31.9	0.4		1472.3	37.3	0.0		1452.3	1.0	0.1	0	29
30					1471.5	32.7	1.4		1472.3	37.3	0.0		1453.8	2.1	0.1	0	30
31					1471.8	33.8	0.6		1472.3	37.3	0.0		1454.1	2.3	0.1	0	31
TOTAL																	
Inflow: 8.9																	
Outflow: 0																	
Net Change: 8.9																	
Reservoir Storage: 1.7																	
Bank Storage: 0																	
Evaporation & Percolation Losses: 0																	
Storage Change: 1.7																	
NOTE: Gage Heights and Storages as of Midnight on Day Shown																	
RECORDS COLLECTED BY: R. SONNICHSEN, G. H. MIDDLETON																	
COMPUTATIONS: JHL, HRW, JHL																	
ckd. Date																	

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DAM OPERATION RECORD																	
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of <u>LIVE OAK</u> Dam																	
In <u>Live Oak Canyon</u> for the Year Ending September 30, 19 <u>54</u>																	
Drainage Area <u>2.3</u> Square Miles. Capacity of Reservoir <u>221.1</u> Ac. Ft. at Spillway Elev. <u>1497.0</u> Ft. as of <u>November</u> 19 <u>52</u> Survey																	
Continuous Water Stage Recorder <u>Au</u>																	
Gage Heights <u>Read at various times</u>																	
Day	June				July				August				September				Day
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1454.3	2.4	0.1		1455.7	4.1	0.02		1455.3	3.8							1
2	1454.6	2.6	0.1		1455.7	4.1	0.02		1455.3	3.8							2
3	1454.8	2.7	0.5		1455.7	4.1	0.02		1455.3	3.8							3
4	1455.0	2.8	0.5		1455.8	4.2	0.02		1455.2	3.7							4
5	1455.1	2.9	0.5		1455.8	4.2	0.02		1455.2	3.7							5
6	1455.3	3.0	0.5		1455.8	4.2	0.01		1455.2	3.7							6
7	1455.4	3.1	0.5		1455.8	4.2	0.01		1455.1	3.6							7
8	1455.5	3.2	0.5		1455.8	4.2	0.01		1455.1	3.6							8
9	1455.6	3.2	0.5		1455.8	4.2	0.01		1455.3	3.8							9
10	1455.7	3.3	0.5		1455.8	4.2	0.01		1454.0	2.0							10
11	1455.8	3.4	0.4		1455.8	4.2	0.01		1452.7	1.6							11
12	1455.9	3.4	0.4		1455.8	4.2	0.01		1451.8	1.2							12
13	1456.0	3.5	0.4		1455.7	4.1	0.01		1450.8	1.0							13
14	1456.1	3.6	0.4		1455.7	4.1	0.01		1449.5	0.5							14
15	1456.1	3.6	0.4		1455.7	4.1	0.01		1447.5	0.2							15
16	1456.2	3.7	0.4		1455.7	4.1	0.01		1447.0	0.0							16
17	1456.3	3.8	0.4		1455.7	4.1	0.01										17
18	1456.3	3.8	0.4		1455.7	4.1	0.01										18
19	1456.4	3.8	0.4		1455.6	4.0	0.01										19
20	1456.4	3.8	0.4		1455.6	4.0	0.01										20
21	1456.5	3.9	0.2		1455.6	4.0	0.01										21
22	1456.5	3.9	0.2		1455.6	4.0	0.01										22
23	1456.5	3.9	0.2		1455.5	3.9	0.01										23
24	1456.5	3.9	0.2		1455.5	3.9	0.01										24
25	1456.5	3.9	0.2		1455.5	3.9	0.01										25
26	1456.6	4.0	0.2		1455.5	3.9	0.01										26
27	1456.6	4.0	0.2		1455.5	3.9	0.01										27
28	1456.6	4.0	0.2		1455.4	3.8	0.01										28
29	1456.6	4.0	0.2		1455.4	3.8	0.01										29
30	1456.7	4.1	0.2		1455.4	3.8	0.01										30
31					1455.3	3.8	0.01										31
TOTAL			1.2	0			0.2	0			0.3	2.2			0.4	0.4	
Inf. Ac. Ft.			2.4				0.4				0.2	2.2			0.8	78.5	
Outf. Ac. Ft.			0				0				4.4				0.8	64.5 + (13.6)	
Net Change			0.1				0.02				0.02				0.02	13.3	
Max Daily Inflow			0.05				0.02				0.02				0.01	0	
Max Daily Outflow			0.02				0.01				0.01				0.01	0	
Storage Change			+1.8				-0.3				-3.8				0	-0.1	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1472.6	feet	on	4-14-54	Storage	38.6	Acres Feet	
Min. W. S. Elev.	1445.7	feet	on	IN JANUARY	Storage	0	Acres Feet	
Max. Peak Inf.	82	C.F.S. from	on	1-25-54	to	3:30 AM	on	1-25-54
Max. Peak Outf.	9	C.F.S. from	on	5-26-54	to	9:00 AM	on	5-26-54

REMARKS: ( ) INDICATES AVERAGE FOR PERIOD  
( ) INDICATES LOSSES DUE TO EVAPORATION AND PERCOLATION

760138N-688 Qb 7-55

DAM OPERATION RECORD																	
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of <u>LIVE OAK</u> Dam																	
In <u>Live Oak Canyon</u> for the Year Ending September 30, 19 <u>55</u>																	
Drainage Area <u>2.3</u> Square Miles. Capacity of Reservoir <u>221.1</u> Ac. Ft. at Spillway Elev. <u>1497.0</u> Ft. as of <u>November</u> 19 <u>52</u> Survey																	
Continuous Water Stage Recorder <u>Au</u>																	
Gage Heights <u>read at various times</u>																	
Day	October				November				December				January				Day
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1																	1
2																	2
3																	3
4																	4
5																	5
6																	6
7																	7
8																	8
9																	9
10																	10
11																	11
12																	12
13																	13
14																	14
15																	15
16																	16
17																	17
18																	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.			0				0				0				0	0	
Outf. Ac. Ft.			0				0				0				0	0	
Net Change																	
Max Daily Inflow																	
Max Daily Outflow																	
Storage Change																	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1447.5	feet	on	6-5 TO 6-21	Storage	0.2	Acres Feet	
Min. W. S. Elev.	1444. ±	feet	on	MOST OF YEAR	Storage	0	Acres Feet	
Max. Peak Inf.		C.F.S. from	on		to		on	
Max. Peak Outf.		C.F.S. from	on		to		on	

REMARKS:



THOMPSON CREEK

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DAM OPERATION RECORD																		
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT HYDRAULIC DIVISION																		
Daily Gage Height in feet and Operation Record of <u>THOMPSON CREEK</u> Dam																		
In <u>Thompson Creek</u> for the Year Ending September 30, 19 <u>54</u>																		
Continuous Water Stage Recorder <u>AU</u>																		
Drainage Area <u>3.5</u> Square Miles Capacity of Reservoir <u>013.7</u> Ac. Ft. at Spillway Elev. <u>1624.85</u> Ft. as of <u>January 1943</u> Survey Gage Heights Read at various times																		
Day	October				November				December				January				Day	
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow		
1																	1	
2																	2	
3																	3	
4																	4	
5																	5	
6																	6	
7																	7	
8																	8	
9																	9	
10																	10	
11																	11	
12																	12	
13																	13	
14																	14	
15																	15	
16																	16	
17																	17	
18																	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 Storage as of Midnight on Day Shown

RECORDS COLLECTED BY: R. SONNICHSEN, Dam Tender; G. H. MIDDLETON, Hydrographer

COMPUTATIONS: JHL, JRH (Gage Hts. copied); JHL, JRH (Storage applied); JHL, JRH (Inf. & Outf. comp.)

REMARKS: ( ) INDICATES PERCOLATION AND EVAPORATION LOSSES

76D138N-68B G5 7-55

DAM OPERATION RECORD																		
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT HYDRAULIC DIVISION																		
Daily Gage Height in feet and Operation Record of <u>THOMPSON CREEK</u> Dam																		
In <u>Thompson Creek</u> for the Year Ending September 30, 19 <u>54</u>																		
Continuous Water Stage Recorder <u>AU</u>																		
Drainage Area <u>3.5</u> Square Miles Capacity of Reservoir <u>573.5</u> Ac. Ft. at Spillway Elev. <u>1634.85</u> Ft. as of <u>September 1954</u> Survey Gage Heights Read at various times																		
Day	February				March				April				May				Day	
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow		
1	1601.9	49.1	0.2		1600.0	36.3	0.1		1599.3	32.0	0.6		1596.0	13.7	0.2		1	
2	1601.6	47.0	0.2		1599.8	35.1	0.1		1599.3	32.0	0.6		1595.9	13.2	0.2		2	
3	1601.4	45.7	0.2		1599.6	33.9	0.1		1599.2	31.4	0.6		1595.8	12.8	0.2		3	
4	1601.2	44.3	0.2		1599.4	32.6	0.1		1599.1	30.8	0.6		1595.7	12.3	0.1		4	
5	1600.9	42.2	0.2		1599.2	31.4	0.1		1599.1	30.8	0.6		1595.5	11.4	0.1		5	
6	1600.7	40.9	0.1		1599.0	30.2	0.1		1599.0	30.2	0.6		1595.4	10.9	0.1		6	
7	1600.5	39.6	0.1		1598.8	29.0	0.1		1598.9	29.6	0.5		1595.3	10.5	0.1		7	
8	1600.2	37.6	0.1		1598.7	28.4	0.1		1598.8	29.0	0.5		1595.1	9.6	0.1		8	
9	1600.0	36.3	0.1		1598.5	27.3	0.1		1598.8	29.0	0.5		1595.0	9.1	0.1		9	
10	1599.8	35.1	0.1		1598.3	27.3	0.1		1598.7	28.4	0.5		1594.9	8.7	0.1		10	
11	1599.7	34.5	0.1		1598.4	26.7	0.1		1598.6	27.8	0.4		1594.8	8.4	0.1		11	
12	1599.6	33.9	0.1		1598.3	25.1	0.1		1598.5	27.3	0.4		1594.7	8.0	0.1		12	
13	1601.1	43.6	0.0		1598.2	24.4	0.1		1598.4	26.7	0.3		1594.6	7.6	0.1		13	
14	1602.2	51.3	0.0		1598.2	23.5	0.1		1598.3	26.1	0.3		1594.5	7.2	0.1		14	
15	1602.4	52.7	1.8		1598.1	24.9	0.1		1598.1	24.9	0.3		1594.4	6.9	0.1		15	
16	1602.3	52.0	0.7		1598.2	25.5	1.3		1597.9	23.8	0.3		1594.4	6.8	0.1		16	
17	1602.2	51.3	0.6		1597.5	21.6	0.1		1597.8	23.2	0.3		1594.3	6.5	0.2		17	
18	1602.0	49.8	0.2		1597.4	21.1	0.1		1597.6	22.2	0.3		1594.2	6.1	0.2		18	
19	1601.8	48.4	0.2		1597.3	20.5	0.1		1597.5	21.6	0.3		1594.1	5.7	0.2		19	
20	1601.6	47.0	0.2		1597.4	21.1	1.2		1597.3	20.5	0.3		1594.1	5.7	0.2		20	
21	1601.4	45.7	0.2		1597.4	21.1	0.8		1597.2	20.0	0.3		1594.1	5.7	0.2		21	
22	1601.2	44.3	0.1		1597.4	21.1	0.7		1597.1	19.4	0.3		1594.0	5.4	0.2		22	
23	1600.9	42.2	0.1		1597.5	21.6	0.9		1598.9	18.4	0.3		1594.0	5.4	0.2		23	
24	1600.7	40.9	0.1		1597.6	23.2	1.5		1598.8	17.9	0.3		1594.0	5.4	0.2		24	
25	1600.5	39.6	0.1		1598.2	25.5	1.9		1598.7	17.3	0.2		1593.9	5.1	0.2		25	
26	1600.4	38.9	0.1		1598.3	26.1	0.9		1598.6	16.8	0.2		1593.9	5.1	0.2		26	
27	1600.3	38.3	0.1		1598.5	27.3	1.3		1598.5	16.3	0.2		1593.9	5.1	0.2		27	
28	1600.2	37.6	0.1		1598.6	27.8	1.0		1598.6	15.8	0.2		1593.9	5.1	0.2		28	
29					1598.8	29.0	1.4		1598.8	14.7	0.2		1593.8	4.8	0.2		29	
30					1599.5	33.3	3.0		1599.5	14.2	0.2		1593.8	4.8	0.2		30	
31					1599.4	32.6	0.6		1599.1	14.2	0.2		1593.8	4.8	0.2		31	
TOTAL																		
Inf. Ac. Ft.																		
Outf. Ac. Ft.																		
Maximum																		
Mean Daily Inflow																		
Minimum																		
Mean Daily Inflow																		
Storage Change																		

NOTE: Gage Heights and Storage as of Midnight on Day Shown

RECORDS COLLECTED BY: R. SONNICHSEN, Dam Tender; G. H. MIDDLETON, Hydrographer

COMPUTATIONS: JHL, JRH (Gage Hts. copied); JHL, JRH (Storage applied); JHL, JRH (Inf. & Outf. comp.)

REMARKS: ( ) INDICATES AVERAGE FOR PERIOD; ( ) INDICATES PERCOLATION AND EVAPORATION LOSSES



THOMPSON CREEK (Cont'd)

76D 138N-888 G4 7-55

DAM OPERATION RECORD																	
LOS ANGELES COUNTY																	
FLOOD CONTROL DISTRICT																	
HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of <u>THOMPSON CREEK</u> Dam																	
In <u>Thompson Creek</u> for the Year Ending September 30, 19 <u>54</u>																	
Drainage Area <u>3.5</u> Square Miles. Capacity of Reservoir <u>573.5</u> Ac. Ft. at Spillway Elev. <u>1634.85</u> Ft. as of <u>September</u> 19 <u>54</u> Survey <u>Gage Heights</u> Read at various times																	
Day	June				July				August				September				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1593.8	4.8	0.2	0	1592.5	1.7	0	0	1591.5	0.5	0	0					1
2	1593.7	4.5	0.1	0	1592.5	1.7	0	0	1591.5	0.5	0	0					2
3	1593.7	4.5	0.1	0	1592.4	1.6	0	0	1591.5	0.5	0	0					3
4	1593.6	4.2	0.1	0	1592.4	1.6	0	0	1591.4	0.4	0	0					4
5	1593.5	4.0	0.1	0	1592.3	1.4	0	0	1591.3	0.3	0	0					5
6	1593.5	4.0	0.1	0	1592.3	1.4	0	0	1591.3	0.3	0	0					6
7	1593.4	3.7	0.1	0	1592.3	1.4	0	0	1591.2	0.3	0	0					7
8	1593.3	3.4	0.1	0	1592.3	1.4	0	0	1591.1	0.2	0	0					8
9	1593.3	3.4	0.1	0	1592.2	1.2	0	0	1591.1	0.2	0	0					9
10	1593.2	3.2	0.1	0	1592.2	1.2	0	0	1591.0	0.1	0	0					10
11	1593.2	3.2	0.1	0	1592.2	1.2	0	0	1591.0	POOL	0	0					11
12	1593.1	3.0	0.1	0	1592.2	1.2	0	0	1591.0	0	0	0					12
13	1593.1	3.0	0.1	0	1592.1	1.0	0	0	1591.0	0	0	0					13
14	1593.0	2.8	0.1	0	1592.1	1.0	0	0	1591.0	0	0	0					14
15	1592.9	2.6	0.1	0	1592.1	1.0	0	0	1591.0	0	0	0					15
16	1592.9	2.4	0	0	1592.0	0.9	0	0	1591.0	0	0	0					16
17	1592.9	2.4	0	0	1592.0	0.9	0	0	1591.0	0	0	0					17
18	1592.9	2.4	0	0	1592.0	0.9	0	0	1591.0	0	0	0					18
19	1592.9	2.4	0	0	1591.9	0.8	0	0	1591.0	0	0	0					19
20	1592.8	2.3			1591.9	0.8	0	0	1591.0	0	0	0					20
21	1592.8	2.3			1591.8	0.7	0	0	1591.0	0	0	0					21
22	1592.8	2.3			1591.8	0.7	0	0	1591.0	0	0	0					22
23	1592.8	2.3			1591.8	0.7	0	0	1591.0	0	0	0					23
24	1592.8	2.3			1591.7	0.6	0	0	1591.0	0	0	0					24
25	1592.7	2.1			1591.7	0.6	0	0	1591.0	0	0	0					25
26	1592.7	2.1			1591.7	0.6	0	0	1591.0	0	0	0					26
27	1592.6	1.9			1591.6	0.5	0	0	1591.0	0	0	0					27
28	1592.6	1.9			1591.6	0.5	0	0	1591.0	0	0	0					28
29	1592.6	1.9			1591.6	0.5	0	0	1591.0	0	0	0					29
30	1592.6	1.7			1591.6	0.5	0	0	1591.0	0	0	0					30
31	1592.6	1.7			1591.5	0.4	0	0	1591.0	0	0	0					31
TOTAL			1.5	0													
Inf. Ac. Ft.			3.0														
Outf. Ac. Ft.			0														
Maximum			0.2														
Mean Daily Inflow			0.2														
Minimum			0														
Mean Daily Inflow			0.2														
Storage Change			-3.1														
Max. W. S. Elev.	1603.8	feet	on	1-25-54	Storage	63.1	Ac. Feet										
Min. W. S. Elev.	1573.4	feet	on	OCT., NOV., DEC.	Storage	0	Ac. Feet										
Max. Peak Inf.	172.	C.F.S. from	2:00 AM	on	1-25-54	to	3:00 AM	on	1-25-54								
Max. Peak Outf.	0	C.F.S. from		on		to		on									
REMARKS	( ) INDICATES AVERAGE FOR PERIOD ( ) INDICATES PERCOLATION AND EVAPORATION																

76D 138N-888 G4 7-55

DAM OPERATION RECORD																	
LOS ANGELES COUNTY																	
FLOOD CONTROL DISTRICT																	
HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of <u>THOMPSON CREEK</u> Dam																	
In <u>Thompson Creek</u> for the Year Ending September 30, 19 <u>55</u>																	
Drainage Area <u>3.51</u> Square Miles. Capacity of Reservoir <u>572.0</u> Ac. Ft. at Spillway Elev. <u>1634.85</u> Ft. as of <u>September</u> 19 <u>54</u> Survey <u>Gage Heights</u> 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																	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.			0														
Outf. Ac. Ft.			0														
Maximum			0.4														
Mean Daily Inflow			0.4														
Minimum			0														
Mean Daily Inflow			0.4														
Storage Change			0														
Max. W. S. Elev.	1592.0	feet	on	1-18-55	Storage	0.9	Ac. Feet										
Min. W. S. Elev.	1591.4	feet	on	MOST OF YEAR	Storage	0	Ac. Feet										
Max. Peak Inf.	1.4	C.F.S. from	2:00 PM	on	1-18-55	to	4:00 PM	on	1-18-55								
Max. Peak Outf.	0	C.F.S. from		on		to		on									
REMARKS	( ) INDICATES PERCOLATION LOSSES																

THOMPSON CREEK (Cont'd)

76D138N-68B Q6 7-55

DAM OPERATION RECORD																		
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT HYDRAULIC DIVISION																		
Daily Gage Height in feet and Operation Record of <u>THOMPSON CREEK</u> Dam																		
In <u>Thompson Creek</u> for the Year Ending September 30, 19 <u>55</u>																		
Drainage Area <u>3.51</u> Square Miles Capacity of Reservoir <u>572.0</u> Ac. Ft. at Spillway Elev. <u>1634.85</u> Ft. as of <u>September</u> 19 <u>54</u> 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	1590.8	0.1	0	0													1	
2			0	0													2	
3			0	0													3	
4			0	0													4	
5			0	0													5	
6			0	0													6	
7			0	0													7	
8			0	0													8	
9			0	0													9	
10			0	0													10	
11			0	0													11	
12			0	0													12	
13			0	0													13	
14			0	0													14	
15			0	0													15	
16			0	0													16	
17			0	0													17	
18			0	0													18	
19			0	0													19	
20			0	0													20	
21			0	0													21	
22			0	0													22	
23			0	0													23	
24			0	0													24	
25			0	0													25	
26			0	0													26	
27			0	0													27	
28			0	0													28	
29			0	0													29	
30			0	0													30	
31			0	0													31	
TOTAL			0	0														
Inf. Ac. Ft.																		4.4
Outf. Ac. Ft.																		0 + (4.4)
Maximum																		0.6
Mean Daily Inflow																		0
Mean Daily Inflow																		0
Storage Change		0.1																0

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1592.0	feet	on	1-18-55	Storage	0.9	Ac. Feet		RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1591.4	feet	on	MOST OF YEAR	Storage	0	Ac. Feet		R. L. SONNICHSEN	Dam Tender	Gage Hts. copied	JHL	HRW
Max. Peak Inf.	1.4	C.F.S. from	2:00 PM	on	1-18-55	to	4:00 PM	on	1-18-55	G. H. MIDDLETON	Storage applied	JHL	HRW
Max. Peak Outf.	0	C.F.S. from		on		to		on			Inf. & Outf. comp.	JHL	HRW

REMARKS: ( ) INDICATES PERCOLATION LOSSES

76D138N-68B Q6 7-55

DAM OPERATION RECORD																		
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT HYDRAULIC DIVISION																		
Daily Gage Height in feet and Operation Record of <u>THOMPSON CREEK</u> Dam																		
In <u>Thompson Creek</u> for the Year Ending September 30, 19 <u>55</u>																		
Drainage Area <u>3.51</u> Square Miles Capacity of Reservoir <u>572.0</u> Ac. Ft. at Spillway Elev. <u>1634.85</u> Ft. as of <u>September</u> 19 <u>54</u> Survey Gage Heights read at various times																		
Day	June				July				August				September				Day	
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow		
1																	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.																		4.4
Outf. Ac. Ft.																		0 + (4.4)
Maximum																		0.6
Mean Daily Inflow																		0
Mean Daily Inflow																		0
Storage Change																		0

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1592.0	feet	on	1-18-55	Storage	0.9	Ac. Feet		RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1591.4	feet	on	MOST OF YEAR	Storage	0	Ac. Feet		R. L. SONNICHSEN	Dam Tender	Gage Hts. copied	JHL	HRW
Max. Peak Inf.	1.4	C.F.S. from	2:00 PM	on	1-18-55	to	4:00 PM	on	1-18-55	G. H. MIDDLETON	Storage applied	JHL	HRW
Max. Peak Outf.	0	C.F.S. from		on		to		on			Inf. & Outf. comp.	JHL	HRW

REMARKS:

HAMILTON BOWL

76D138N-68B Gb 7-55

DAM OPERATION RECORD																		
LOS ANGELES COUNTY																		
FLOOD CONTROL DISTRICT																		
HYDRAULIC DIVISION																		
Daily Gage Height in feet and Operation Record of <u>HAMILTON BOWL</u> Dam														Continuous Water Stage Recorder <u>H.C.F.</u>				
In <u>Long Beach, California</u> for the Year Ending September 30, 19 <u>54</u>														Gage Heights Read at various times				
Drainage Area <u>3.5</u> Square Miles. Capacity of Reservoir <u>160.4</u> Ac. Ft. at Spillway Elev. <u>17.0</u> Ft. as of <u>July</u> 19 <u>47</u> Survey																		
Day	October				November				December				January				Day	
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres 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													5.0	0.6	24.2	23.9	12	
13															0.3	0.6	13	
14					7.1	2.4	21.2	20.0									14	
15							1.2	1.0									15	
16																	16	
17																	17	
18													8.7	17.6	25.8	17.9	18	
19													4.7	0.5	37.0	45.6	19	
20															9.5	9.8	20	
21																	21	
22																	22	
23													6.4	1.5	1.0	0.2	23	
24															10.2	11.0	24	
25															11.9	11.9	25	
26																	26	
27																	27	
28																	28	
29																	29	
30																	30	
31																	31	
TOTAL							24.0	24.0							120.9	120.9		
Inf. Ac. Ft.							47.6								239.8	287.4		
Outf. Ac. Ft.							47.6								239.8	287.4		
Mean Daily Inflow							21.2								37.0	37.0		
Mean Daily Outflow																		
Storage Change																		

NOTE: Gage Heights and Storage as of Midnight on Day Shown

Max. W. S. Elev.	15.3	feet on	2-13-54	Storage	129.6	Acres Feet		RECORDS COLLECTED BY				COMPUTATIONS		ckd.	Date
Min. W. S. Elev.	DRY	feet on	MOST OF YEAR	Storage	0	Acres Feet		J. C. VIDMAR	Dam Tender	Gage Hts. copied	JHL	HRW			
Max. Peak Inf.	979	C.F.S. from	3:00 PM on 2-13-54					E. S. BONADIMAN	Hydrographer	Storage applied	JHL	HRW			
Max. Peak Outf.	58.5	C.F.S. from	6:00 PM on 11-14-53						Hydrographer	Inf. & Outf. comp.	JHL	HRW			

76D138N-68B Gb 7-55

DAM OPERATION RECORD																	
LOS ANGELES COUNTY																	
FLOOD CONTROL DISTRICT																	
HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of <u>HAMILTON BOWL</u> Dam														Continuous Water Stage Recorder <u>H.C.F.</u>			
In <u>Long Beach, California</u> for the Year Ending September 30, 19 <u>54</u>														Gage Heights Read at various times			
Drainage Area <u>3.5</u> Square Miles. Capacity of Reservoir <u>160.4</u> Ac. Ft. at Spillway Elev. <u>17.0</u> Ft. as of <u>July</u> 19 <u>47</u> Survey																	
Day	February				March				April				May				Day
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres 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	14.3	111.9	3.5	27.1													13
14	8.3	11.7	1.3	51.8													14
15			3.5	2.4													15
16							13.0	13.0									16
17	4.4	0.4	0.2	0.9													17
18	4.2	0.2	0.8	0.1													18
19																	19
20	4.5	0.4	0.2	0.1			5.7	5.6									20
21	4.5	0.4	0.0	0.0	7.1	2.4	4.4	5.5									21
22																	22
23																	23
24																	24
25																	25
26																	26
27																	27
28																	28
29																	29
30																	30
31																	31
TOTAL			89.5	89.5			73.4	73.4				0.9	0.9			0	0
Inf. Ac. Ft.			177.5				145.6					1.8				0	612.3
Outf. Ac. Ft.			177.5				145.6					1.8				0	612.3
Mean Daily Inflow			83.5				35.6					0.9				0	83.5
Mean Daily Outflow			0				0					0				0	0
Storage Change			0				0					0				0	0

NOTE: Gage Heights and Storage as of Midnight on Day Shown

Max. W. S. Elev.	15.3	feet on	2-13-54	Storage	129.6	Acres Feet		RECORDS COLLECTED BY				COMPUTATIONS		ckd.	Date
Min. W. S. Elev.	DRY	feet on	MOST OF YEAR	Storage	0	Acres Feet		J. C. VIDMAR	Dam Tender	Gage Hts. copied	JHL	HRW			
Max. Peak Inf.	979	C.F.S. from	3:00 PM on 2-13-54					E. S. BONADIMAN	Hydrographer	Storage applied	JHL	HRW			
Max. Peak Outf.	58.5	C.F.S. from	6:00 PM on 11-14-53						Hydrographer	Inf. & Outf. comp.	JHL	HRW			

HAMILTON BOWL (Cont'd)

76D138N-68B Qb 7-55

DAM OPERATION RECORD																	
LOS ANGELES COUNTY																	
FLOOD CONTROL DISTRICT																	
HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of <u>HAMILTON BOWL</u> Dam														Continuous Water Stage Recorder <u>H.C.F.</u>			
In <u>Long Beach, California</u> for the Year Ending <u>September 30, 19 54</u>																	
Drainage Area <u>3.5</u> Square Miles Capacity of Reservoir <u>160.4</u> Ac. Ft. at Spillway Elev. <u>173.0</u> Ft. as of <u>July</u> 19 <u>47</u> Survey														Gage Heights Read at various times			
Day	June				July				August				September				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1																	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.														612.3			
Maximum Mean Daily Inflow														612.3			
Minimum Mean Daily Inflow														83.5			
Storage Change														0			
NOTE: Gage Heights and Storage as of Midnight on Day Shown																	
Max. W. S. Elev. <u>15.3</u> feet on <u>2-13-54</u> Storage <u>129.5</u> Acre Feet														RECORDS COLLECTED BY			
Min. W. S. Elev. <u>DAY</u> feet on MOST OF YEAR Storage <u>0</u> Acre Feet														J. C. VIDMAR Dam Tender			
Max. Peak Inf. <u>379</u> C.F.S. from <u>3:00 PM</u> on <u>2-13-54</u> to <u>4:00 PM</u> on <u>2-13-54</u>														E. S. BONADIMAN Hydrographer			
Max. Peak Outf. <u>58.5</u> C.F.S. from <u>6:00 PM</u> on <u>11-14-53</u> to <u>7:00 PM</u> on <u>11-14-53</u>														COMPUTATIONS			
REMARKS														ckd. Date			

76D138N-68B Qb 7-55

DAM OPERATION RECORD																	
LOS ANGELES COUNTY																	
FLOOD CONTROL DISTRICT																	
HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of <u>HAMILTON BOWL</u> Dam														Continuous Water Stage Recorder <u>AU</u>			
In <u>Long Beach, California</u> for the Year Ending <u>September 30, 19 55</u>																	
Drainage Area <u>3.5</u> Square Miles Capacity of Reservoir <u>160.4</u> Ac. Ft. at Spillway Elev. <u>173</u> Ft. as of <u>July</u> 19 <u>47</u> 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																	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.														14.7			
Maximum Mean Daily Inflow														14.7			
Minimum Mean Daily Inflow														0			
Storage Change														0			
NOTE: Gage Heights and Storage as of Midnight on Day Shown																	
Max. W. S. Elev. <u>9.8</u> feet on <u>1-18-55</u> Storage <u>35.4</u> Acre Feet														RECORDS COLLECTED BY			
Min. W. S. Elev. <u>1.8</u> feet on MOST OF YEAR Storage <u>0</u> Acre Feet														J. C. VIDMAR Dam Tender			
Max. Peak Inf. <u>324</u> C.F.S. from <u>11:50 AM</u> on <u>1-18-55</u> to <u>12:20 PM</u> on <u>1-18-55</u>														E. S. BONADIMAN Hydrographer			
Max. Peak Outf. <u>48</u> C.F.S. from <u>8:50 AM</u> on <u>2-17-55</u> to <u>10:15 AM</u> on <u>2-17-55</u>														COMPUTATIONS			
REMARKS														ckd. Date			

HAMILTON BOWL (Cont'd)

76D138N-68B Q6 7-55

DAM OPERATION RECORD																	
LOS ANGELES COUNTY																	
FLOOD CONTROL DISTRICT																	
HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of <u>HAMILTON BOWL</u> Dam														Continuous Water Stage Recorder <u>Au</u>			
In <u>Long Beach, California</u> for the Year Ending September 30, 19 <u>55</u>														Gage Heights read at various times			
Drainage Area <u>3.5</u> Square Miles. Capacity of Reservoir <u>160.4</u> Ac. Ft. at Spillway Elev. <u>17.0</u> Ft. as of <u>July</u> 19 <u>47</u> Survey																	
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			7.9	9.5	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			5.1	6.1	7
8			0	0			0	0			0	0			0	0	8
9			0	0			0	0			0	0			0	0	9
10			0	0		7.3	3.1	1.6	0			0	0		0	0	10
11			0	0				0.4	2.0			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	7.3	3.1	2.9	2.3			0	0			0	0			0	0	16
17			4.2	5.6			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	8.0	7.8	3.3	0.9			0	0	21
22			0	0			0	0	5.4	0.8	2.7	2.9			0	0	22
23			0	0			0	0			0	0.4			0	0	23
24			0	0			0	0			0	0			0	0	24
25			0	0			0	0			0	0			0	0	25
26			1.9	1.9			0	0			1.0	1.0			0	0	26
27			4.1	4.1			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	7.3	3.1	15.2	13.6			0	0	30
31			0	0			0	0			0	0			0	0	31
TOTAL		14.1	14.1				2.0	2.0			47.3	45.7			14.0	15.6	
Inf. Ac. Ft.		23.0					4.0				23.8				27.6		372.2
Outf. Ac. Ft.				23.0				4.0				30.6					372.1
Maximum		4.2					1.6				27.6				30.9		372.1
Mean Daily Inflow		0					0				0				0		37.8
Mean Daily Outflow				0				0							0		0
Storage Change		0									+3.1				-3.1		0

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	9.6	feet	on	1-18-55	Storage	35.4	Ac. Feet	RECORDS COLLECTED BY	J. C. VIDMAR	Dam Tender	COMPUTATIONS	ekd.	Date
Min. W. S. Elev.	1.8	feet	on	MOST OF YEAR	Storage	0	Ac. Feet		E. S. BONADIMAN	Hydrographer	Gage Hts. copied	JHL	HRW
Max. Peak Inf.	324	C.F.S. from	11:50 AM	on	1-18-55	to	12:20 PM	on	1-18-55		Storage applied	JHL	HRW
Max. Peak Outf.	46	C.F.S. from	8:50 AM	on	2-17-55	to	10:15 AM	on	2-17-55		Inf. & Outf. comp.	JHL	HRW

REMARKS: OUTFLOW FROM VENTURI RATING. PUMP PERFORMANCE AND STORAGE CHANGES.

76D138N-68B Q6 7-55

DAM OPERATION RECORD																	
LOS ANGELES COUNTY																	
FLOOD CONTROL DISTRICT																	
HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of <u>HAMILTON BOWL</u> Dam														Continuous Water Stage Recorder <u>Au</u>			
In <u>Long Beach, California</u> for the Year Ending September 30, 19 <u>55</u>														Gage Heights read at various times			
Drainage Area <u>3.5</u> Square Miles. Capacity of Reservoir <u>160.4</u> Ac. Ft. at Spillway Elev. <u>17+</u> Ft. as of <u>July</u> 19 <u>47</u> Survey																	
Day	June				July				August				September				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1																	1
2																	2
3																	3
4																	4
5																	5
6																	6
7																	7
8																	8
9																	9
10																	10
11																	11
12																	12
13																	13
14																	14
15																	15
16																	16
17																	17
18																	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																	372.2
Inf. Ac. Ft.																	372.1
Outf. Ac. Ft.																	27.5
Maximum																	0
Mean Daily Inflow																	0
Mean Daily Outflow																	0
Storage Change																	0

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	9.8	feet	on	1-18-55	Storage	35.4	Ac. Feet	RECORDS COLLECTED BY	J. C. VIDMAR	Dam Tender	COMPUTATIONS	ekd.	Date
Min. W. S. Elev.	1.8	feet	on	MOST OF YEAR	Storage	0	Ac. Feet		E. S. BONADIMAN	Hydrographer	Gage Hts. copied	JHL	HRW
Max. Peak Inf.	324	C.F.S. from	11:50 AM	on	1-18-55	to	12:20 PM	on	1-18-55		Storage applied	JHL	HRW
Max. Peak Outf.	46	C.F.S. from	8:50 AM	on	2-17-55	to	10:15 AM	on	2-27-55		Inf. & Outf. comp.	JHL	HRW

REMARKS: NO OPERATION DURING THIS PERIOD.

TABLE XIII  
YEARLY RESERVOIR OPERATION SUMMARY  
1953-54, 1954-55

DAM	YEAR	INFLOW			OUTFLOW ANNUAL A.F.	PEAK INFLOW				PEAK OUTFLOW				STORAGE A. F.		
		ANNUAL A.F.	MAX. DAY CFS	MIN. DAY CFS		MO.	DAY	PERIOD	CFS	MO.	DAY	PERIOD	CFS	MAXIMUM	MINIMUM	SEPT. 30
PACDIMA	1953-54	2952.	107.	0.05	2941.	1	25	4:00 AM - 5:00 AM	272.	4	5	10:00 AM - 11:00 AM	292.	2124.	46.	53.
	1954-55	740.	18.	0.05	737.	4	30	11:00 PM - MIDNITE	25.	4	21	NOON - 12:50 PM	39.	420.	52.	64.
BIG TUJUNGA	1953-54	5309.	212.	0.1	5290.	1	25	4:00 AM - 5:00 AM	500.	3	1	9:30 AM - 10:30 AM	158.	2686.	0	99.
	1954-55	2623.	30.	0.2	2282.	1	18	3:00 PM - 4:00 PM	52.	10	3	9:30 AM - 10:00 AM	17.	2020.	0	427.
DEVIL'S GATE	1953-54	1324.	178.	0	488.	1	25	1:00 AM - 2:00 AM	565.	1	25	3:30 AM - 4:15 AM	120.	578.	0	0
	1954-55	651.	50.	0	154.	1	18	11:00 AM - NOON	334.	11	22	5:00 PM - 7:00 PM	6.9	207.	0	0.7
EATON WASH	1953-54	533.	56.	0	202.	1	19	4:00 AM - 6:00 AM	220.	2	14	10:35 AM - 11:00 AM	72.	221.	0	0
	1954-55	146.	13.6	0	0	1	18	NOON - 1:00 PM	91.	4	15		42.	0	0	
SANTA ANITA	1953-54	3302.	201.	0.4	3412.	1	24	10:00 PM - 11:00 PM	1240.	1	25	5:30 AM - 6:00 AM	570.	555.	0	5.4
	1954-55	1432.	18.	0.4	1437.	11	11	6:00 AM - 7:00 AM	173.	3	16	9:00 AM - 11:00 AM	32.	167.	0	0
SAWPIT	1953-54	274.	13.9	0	263.	1	24	10:30 AM - 11:30 AM	105.	2	13	4:20 AM - 4:50 AM	30.	60.	54.	42.
	1954-55	142.	4.3	0	139.	11	11	5:00 AM - 5:30 AM	73.	11	11	5:00 AM - 6:00 AM	25	46.	42.	42.
COGSWELL	1953-54	8004.	412.	0.3	7500.	1	24	MIDNITE - 2:00 AM	1030.	1	26	NOON - MIDNITE	146.	5108.	31.	257.
	1954-55	3941.	51.	0.3	3165.	4	30	8:00 PM - 10:00 PM	176.	10	1	MIDNITE - 4:00 AM	37.	2896.	42.	806.
SAN GABRIEL	1953-54	60515.	1276.	8.3	56517.	1	25	4:00 AM - 5:00 AM	2940.	4	4	8:00 AM - 9:00 AM	3910.	4855.	0	3399.
	1954-55	39159.	171.	18.1	37304.	4	30	MIDNITE - 1:00 AM	313.	4	15	12:12 PM - 14:57 PM	2610.	8349.	1163.	4455.
BIG DALTON	1953-54	346.	12.9	0	359.	1	25	6:00 AM - 8:00 AM	53.	2	15	NOON - 3:00 PM	9.0	310.	25.	26.
	1954-55	87.	0.9	0.01	5.0	1	18	NOON - 1:00 PM	2.4	11	11		93.	26.	89.	
SAN DIMAS	1953-54	1514.	97.	0.1	1501.	1	25	2:00 AM - 3:00 AM	327.	2	14	10:00 AM - 11:00 AM	88.	616.	52.	60.
	1954-55	561.	11.	0.1	526.	1	18	4:00 PM - 5:00 PM	27.	6	20,21	10:30 PM - 8:00 AM	6.4	417.	56.	95.
PUDDINGSTONE DIVERSION	1953-54	628.	57.	0	429.	2	14	2:30 PM - 4:15 PM	82.	2	14	7:00 PM - MIDNITE	80.	65.	0	0
	1954-55	0			0											0
PUDDINGSTONE	1953-54	31282.	244.	0	31609.	1	25	2:00 AM - 3:00 AM	600.	9	23	6:00 AM - 6:30 AM	400.	9729.	237.	237.
	1954-55	26065.	255.	0	23287.	11	11	5:30 AM - 6:30 AM	338.	12	10	8:10 AM - 8:30 AM	398.	8248.	227.	1743.
LIVE OAK	1953-54	78.	13.3	0	64.	1	25	2:15 AM - 3:30 AM	82.	5	26	8:15 AM - 9:00 AM	9.1	39.	0	0
	1954-55	0.3	0.05	0	0.3								0.2	0	0	
THOMPSON CREEK	1953-54	194.	18.6	0	0	1	25	2:00 AM - 3:00 AM	172.					63.	0	0
	1954-55	4.4	0.6	0	0	1	18	2:00 PM - 4:00 PM	1.4					0.9	0	0
HAMILTON BOWL	1953-54	612.	84.	0	612.	2	13	3:00 PM - 4:00 PM	379.	11	14	6:00 PM - 7:00 PM	58.	130.	0	0
	1954-55	372.	28.	0	372.	1	18	11:50 AM - 12:20 PM	324.	2	17	8:50 AM - 10:15 AM	48.	35.	0	0

GROUND WATER  
&  
CONSERVATION

## GROUND WATER AND CONSERVATION

## FOREWORD

One of the principal responsibilities of the Los Angeles County Flood Control District, as set forth in the Flood Control Act, is to save or conserve in any manner all storm runoff and waste waters of the District for beneficial or useful purposes. The large increase in population, the increasing per capita water use, the subnormal rainfall of recent years, and the limited facilities for importing and distributing water, emphasize the importance of this charge.

Ten years of the current 11-year drouth period have averaged less than 75 per cent of the long time normal of rainfall. The summation of this lack of rainfall has incurred a deficit of two years of normal rainfall, the approximate equivalent of one and one-half year's water requirement for the entire County.

The effectiveness of rainfall is diminishing in that the percentage of impervious, roofed and paved area within the County is constantly increasing. Not only is this infiltration area lost but the accelerated rate of runoff decreases the time for channel percolation. Channel lining is also limiting the intake area available for percolation.

Constant study and planning is necessary to keep conservation apace with the increasing losses. Although limited available surface storage must be utilized to the best advantage, the tremendous capacity required for adequate flood water conservation can be most economically supplied by recharge of ground water basins through the use of spreading grounds, large pits and other facilities.

In addition to the increasing storm runoff which is potentially conservable, there is an enormous amount of sewage effluent being lost into the ocean. To conserve the latter in underground basins, it must be treated to a standard of quality that will not degrade native waters, and experimental work to accomplish this is in progress.

A detailed account of current activities is discussed under the following headings:

- Conservation
- Spreading Grounds
- Water Quality
- Water Conservation Zones
- West Coast Basin Barrier Test
- Hyperion Test
- New Facilities
- Correlation of Water Conservation with Federal Flood Control Improvements



Seasonal Data and Maps  
Ground Water Basins

- (a) San Fernando Valley
- (b) San Gabriel Valley
- (c) Coastal Plain
- (d) Santa Clara River Valley
- (e) Antelope Valley

#### CONSERVATION

To comply with provisions of the Flood Control Act, the District, since its inception, has gradually increased its conservation activities and facilities. The expediency of scarifying natural channels to promote percolation has been practiced for many years in major stream channels; also off-channel spreading grounds to percolate additional water have been constructed. As natural channels have been paved, spreading grounds have been constructed to compensate for the percolation lost due to this paving. Additional grounds are planned to be built as the channels are paved and storm drains are built. Both controlled releases from dams and, when feasible, uncontrolled storm waters are spread in the District's conservation developments. In recent years, in connection with the construction of lined channels, diversion works are designed particularly for the diversion of uncontrolled storm flows.

In the case of ground water basins that have been seriously overdrawn, the danger of permanent damage to the capacity of the aquifers exists. This has led to the consideration of artificial recharge with imported water where available. Such measures have been undertaken in the Central and West Coastal Basins under the Conservation Zones legislation amending the Flood Control Act.

Details on the more important conservation measures mentioned above are discussed hereafter.

#### SPREADING GROUNDS

There are some 2670 gross acres of spreading grounds in the County, of which the District operates some 970 acres and it cooperates with other agencies in the operation of some 1370 acres more, all combined, having a capacity of nearly 1500 cfs. In addition, other agencies operate grounds totaling some 330 acres. Although, historically, such capacity has not been continuously available, due to dam and channel improvements in progress, judicious reservoir operation and stream bed scarification have utilized all available percolation capacity to a maximum.

The tables on pages 435 to 437 give basic spreading grounds data and the amount of water conserved by means of reservoir and channel absorption, and in off-channel spreading grounds. During the period of this report, 98,294 acre feet were conserved in reservoirs and natural channels, and

101,143 acre-feet in off-channel spreading grounds or through recharge wells. These quantities include imported water purchased from the Metropolitan Water District under the Conservation Zones legislation as follows: percolated in channels - 42,743 acre-feet; in spreading grounds - 12,053 acre-feet; and through recharge wells in the West Basin - 6490 acre-feet.

Field spreading tests relative to the development of a spreading grounds within the northwesterly part of Santa Fe Reservoir were completed during the period of this report. In the spring of 1954, temporary levees were constructed in the area and in April a test run was made with water released from the San Gabriel Canyon Dams. Water for the test, passing Foot-hill Boulevard, amounted to 7940 acre-feet of which approximately 3500 acre-feet percolated in the prepared area, while the balance percolated in the San Gabriel River bed and in the lower part of the reservoir area. The 7940 acre-feet percolated during the test are included in the 13,406 acre-feet given in the Reservoir and Channel Absorption Table on page 435.

One phase of the continuing development of certain spreading grounds is the excavation and removal of relatively impervious material from the bottom of the basins to increase storage and percolating capacity. This work is done, at no cost to the District, under special permits by private operation. In some cases, as during the construction of the Rio Hondo Channel by the U.S. Corps of Engineers, a large volume of material was excavated for channel levee construction. During the period of this report material removed was as follows:

Rio Hondo Spreading Grounds, Permittees	118,000 cu. yds.
Rio Hondo Spreading Grounds, Channel Const.	576,000 " "
San Gabriel Spreading Grounds, Permittees	12,000 " "
Pacoima Spreading Grounds, Permittees	40,000 " "
Total	746,000 " "

#### WATER QUALITY

The District with its interest and delegated responsibilities in the field of water conservation, is vitally concerned with preservation of the integrity of underground waters. Geologic, hydrologic, and water quality data on file with the District are made available to other public agencies and to those concerned with quality of water and the disposal of industrial wastes.

Water samples are collected from streams and wells within the District to obtain a continuing record of water quality and to develop basic norms on the quality of various surface waters and underground water basins within the District. The number of analyses made during this biennial period in the District's laboratory were approximately as follows: 2100 complete analyses and 800 partial analyses (chlorides and alkalinity).

Since the latter part of 1952 the District has engaged in a Deep Well Sampling program in the Central Coastal Basin, in cooperation with the Long Beach Water Department, Vernon Water Department, Lynwood Water Department,

California Water Service Co., and the Southern California Water Company, to determine if the recharge of the basin with imported waters has any important effect on the quality of native waters. Samples from some 50 representative deep wells in the region have been collected annually and analyzed for chemical quality by the operating agencies and the District's Testing Division. The results of these analyses from 1952 to 1955 show no significant changes within this region.

Regarding pollution and contamination of ground waters, it is the District's policy to cooperate with the various public agencies having mutual interests including State and local health departments, the Water Pollution Control Boards, the State Division of Water Resources, State Department of Fish and Game, State Division of Oil and Gas, County Engineer, the Water and Power and Harbor Departments of the City of Los Angeles, and the County Sanitation Districts and City Engineering Departments.

#### WATER CONSERVATION ZONES

The 1951-53 Biennial Report announced and explained the formation (January 29, 1952) of the Los Angeles County Flood Control District Water Conservation Zone I embracing practically all of the Central Coastal Plain. Two years later, on January 29, 1954, Water Conservation Zone II was formed, which embraces most of the West Coast Basin.

During fiscal 1952-53 and 1953-54 (July 1, - June 30), Zone I was inoperative. In 1954-55, however, the 5-cent ad valorem tax called for under the zone act was levied on the two zones to provide funds for the purchase of Colorado River Water from the Metropolitan Water District to replenish the respective basins.

Zone I. In preparation for the spreading of the imported water in the Central Coastal Basin, arrangements were made for a connection from the Metropolitan Water District trunk line at La Verne to Live Oak Wash and a weir was constructed to measure the water which was routed to Puddingstone Reservoir and thence down Walnut Wash and the San Gabriel River to a diversion headworks above Whittier Narrows Dam. From this point a part of the water went to the San Gabriel River and a part to the Rio Hondo Coastal Basin Spreading Grounds. To accomplish this it was necessary to construct approximately 1200 feet of canal and ten appurtenant structures between the diversion headworks and Whittier Narrows Dam. During the latter part of 1954 water was purchased in the amount of 54,796 acre-feet from the Metropolitan Water District, of which 53 per cent reached the coastal plain as surface flow and 18 per cent as rising water or effluent seepage at Whittier Narrows by September 30, 1955. It is expected that over 90 per cent of the amount purchased will eventually reach the Central Coastal Basin.

For 1955-56 it is expected that a larger quantity will be purchased to replenish the basin. Considering the investment of canals, structures and operations required to spread this water, the costs involved will be less than \$4.00 per acre foot.

Zone II. The ad valorem tax levied on Zone II has provided funds for the purchase of Metropolitan Water District water at \$20 per acre foot to continue the West Basin Barrier Project. It has also provided funds for a water reclamation test using effluent from the Hyperion sewage plant of the City of Los Angeles.

#### WEST COAST BASIN BARRIER PROJECT

The West Coast Basin Barrier Project continues to operate in Manhattan Beach and Hermosa Beach to control the intrusion of sea water into the West Coast Basin. Through the injection of fresh water into recharge wells, a ground water pressure ridge has formed a barrier to the inland flow of sea water. The project was begun in 1951 and details of the initial work were described in the previous Hydrologic Report covering water years 1951-52 and 1952-53. The project was commenced as a test and was originally financed by the State and operated and maintained by this District. It is expected that the State Water Resources Board will publish a complete report on the findings of this test in the near future.

The Project facilities were transferred to this District by the State in 1955 and are now considered to be the nucleus of a proposed 11-mile project which will protect the entire coast line when an adequate economical supply of water can be developed.

Beginning December, 1953, for a short period, water for the recharge line was supplied by the West Basin Water Association, and later by Zone II of this District. The nine operating wells of the Project are protecting about 4500 feet of coast line with about 4.5 cfs being continuously injected. From the beginning of recharge in 1953 until September 30, 1955, 6923 acre-feet of treated Colorado River water have been injected. The injected fresh water has moved slowly inland some 3500 feet, overriding the previously intruding sea water.

#### HYPERION TEST

The Hyperion test project was designed and initiated to study the feasibility and practicality of reclaiming water from a community waste treatment plant. Economical reclamation of water would be of prime importance in providing a significantly cheaper supply of water for operation of the successful West Basin Barrier Project at Manhattan Beach and Hermosa Beach, and the extension of the barrier. A reclamation project could also provide water for various industrial or agricultural uses. It is expected that a report on this test will be made during 1956.

## NEW FACILITIES

Activities relative to the more important conservation projects during the period of this report include:

- (a) right of way negotiations and preparation of plans for Lopez Spreading Grounds and Live Oak Spreading Grounds,
- (b) commencement or completion of construction for Big Dalton Spreading Grounds, Santa Fe Spreading Grounds, and Rio Hondo West Side Channel Development,
- (c) completion of construction and commencement of operation of new diversion headworks for Pacoima Spreading Grounds, and
- (d) preliminary planning for San Dimas Wash spreading strip and Forbes Pit, and new pit excavation for Eaton Wash Spreading Grounds.

Investigations and planning is continuing for spreading grounds for conserving storm water which would otherwise be wasted to the ocean via the 140 lined storm drains being constructed under the \$179,000,000 Storm Drain Bond Issue. The conservation investigations are based on hydrologic, geologic, physical, and economic feasibility. Of the 140 storm drains which have been investigated, studies have been narrowed to 21 potential spreading grounds. One of these --Buena Vista Spreading Basin -- has been developed by constructing an inlet chute from Buena Vista Channel into an abandoned gravel pit, and 11 others are under active consideration. Final plans are being prepared in anticipation of the forthcoming development of Branford Spreading Basin, Eaton Spreading Basin, and Pacoima Wash Percolation Channel below the present spreading grounds.

CORRELATION OF WATER CONSERVATION WITH  
FEDERAL FLOOD CONTROL IMPROVEMENTS

Channels and improvements designed and constructed by the United States Corps of Engineers with Federal funds are for the purpose of flood control. The Federal Act under which funds are expended for flood control improvements prohibits the expenditure of any funds for conservation purposes. Such costs must be borne by local interests. It has been District policy to review proposed plans with the object of providing necessary conservation measures where they are economically practical as well as compensate for any percolation lost by the lining of channel bottoms.

Engineering studies and/or preliminary designs relative to conservation works have been made or were in progress in conjunction with the following projects: Pacoima Wash Channel; Lopez Dam, Eaton Wash Channel, Santa Anita Channel and Debris Basin; Sawpit Channel and Debris Basin; the Walnut Wash System consisting of Big Dalton Channel, Little Dalton Channel, San Dimas Channel, Live Oak Channel, and Walnut Creek Channel. Engineering studies and preliminary designs were continued relative to the diversion of

flow from the proposed San Antonio Debris Dam outlet to the San Antonio Spreading Grounds. Advance planning is under way for correlation of Federal improvement of the Upper Rio Hondo with a conservation basin below Peck Road, in the vicinity of the confluence of Sawpit and Santa Anita Channels with the Rio Hondo.

#### SEASONAL DATA AND MAPS

During the biennial period covered by this report, 42,000 well measurements were secured from 2700 wells. Of these measurements, 20,000 made on 1100 wells were obtained at relatively small cost from other agencies. Approximately 13,000 measurements were made on 500 wells incidental to special studies, investigations or projects. 150 key wells were measured monthly, or oftener, to maintain current information on the rise and fall of the water table in each of the more important ground water basins and 950 wells were measured semiannually as supplementary data for ground water maps. Hydrographs for several of the key wells are included in this report on pages 441 to 452.

The many recent years of subnormal rainfall and increased pumping extractions have resulted in the establishment of historical low underground water surface elevations in many ground water basins in Los Angeles County. This condition has been particularly evident in the Coastal Plain where, with progressive recession, differentials in water levels and/or pressure surfaces between the series of important shallow and deep aquifers have become marked. Formerly, differentials were not appreciable, as both the shallow and deep aquifers had been adequately recharged by rainfall during the previous wet cycle. More recently, however, the differentials became so accentuated and significant, as to require at least primary segregation of aquifers on the basis of shallow (Upper Pleistocene) and deep (Lower Pleistocene) aquifers. Hence, as compared to regular ground water maps of the Coastal Plain prepared for periods since 1930 and prior to the fall of 1953 which did not segregate aquifers but showed composite contours for combined shallow and deep aquifers, current shallow aquifer maps specifically delineate contours for the principal producing shallow and/or merged aquifers. Current deep aquifer maps, as compared to deep zone maps prepared since 1951 and prior to the fall of 1953, which showed composite principal deep aquifer contours in the Central Coastal Basin only, now also delineate contours for the principal deep and/or merged producing aquifers in West Coast Basin.

Ground water maps, prepared by the District from the data obtained from well measurements, are included in this report. Maps for Antelope Valley were drawn by the State Division of Water Resources with whom the District collaborates in the collection of data.

A brief discussion of the functioning of the ground water basin groups follow. For a more detailed description of the nature of basins, reference is made to the Annual Report of Hydrologic Data for the year 1941-42.

## GROUND WATER BASINS

Ground water basins, in general, are bed rock depressions, filled with alluvium, and separated one from another by natural barriers or dykes. These barriers are bed rock ridges, faults, or sometimes merely the less pervious interface of intersecting alluvial cones. Some barriers have visible surface features, others are buried. All restrict the underground flow of water to a greater or lesser degree.

Ground water is stored in the pore spaces of the alluvium and is normally in constant movement. At lower depths, where pore space is completely filled, the water tends, by the action of gravity, to form a continuous surface known as the "water table." This is an individual condition for each basin and the gradient, or slope, of this surface indicates the pattern of ground water flow within the basin. In certain basins, the water is under pressure within a confined aquifer capped by impervious strata.

Ground water basins in Los Angeles County are grouped under their five local watershed areas; namely, San Fernando Valley, San Gabriel Valley, Coastal Plain, Santa Clara River Valley and Antelope Valley. Reference is made to Map No. IV, page 439 for basin locations.

**SAN FERNANDO VALLEY** - The San Fernando Valley group consists of San Fernando Basin and four relatively shallow sub-basins adjacent to it on the north. The sub-basins, though separated from San Fernando Basin by hills and buried bedrock ridges still contribute a significant underflow to it.

The Department of Water and Power of the City of Los Angeles supplies the major part of the San Fernando Valley with water imported from the Owens River. There is relatively little draft on the ground water in the western half of the valley, and in the southerly portion of this area water levels have not declined appreciably. In the northerly part recharge has been insignificant due to the subnormal rainfall and wells have shown some decline. In the easterly half of the valley, which is subjected to heavier draft, and in the sub-basins with limited recharge, the trend of water levels has continued sharply downward.

Ground water contour maps for the San Fernando Valley are shown on pages 455 to 458.

**SAN GABRIEL VALLEY** - The San Gabriel Valley group consists of the Main Basin and about a dozen smaller tributary basins around its periphery. Some of these smaller basins are to an extent interconnected and discharge one to another when suitable conditions prevail. Ultimately all discharge to the Main Basin. The storage capacities of these sub-basins are comparatively small and some have a seasonal water level variation of more than 100 feet.

Excess supply to the Main Basin is discharged through Whittier Narrows as a supply to the Coastal Basin. Water levels in the eastern side of the Main Basin have not declined greatly during the past two years. The western side and the adjacent sub-basins on the northeast are definitely

lower. Spreading in the San Gabriel Canyon sub-basins and Main Basin washes by the San Gabriel River Water Committee has no doubt helped to maintain the elevations, thereby increasing the excess flow to the Coastal Plain.

A considerable portion of the area overlying the Main Basin is urbanly developed and depends entirely upon wells to supply a large local demand. Although Main Basin storage has declined during recent years, elevations were still high enough to discharge 15,200 acre-feet of rising water through the Whittier Narrows during the season 1954-55. Safe yield may be exceeded in isolated cases but in general the deficit is within the limits of recovery. However, much of the waste water once returned to basin and the Coastal Plain is now wasted to the ocean through sewer outfalls.

Ground water contour maps for the San Gabriel Valley are shown on pages 459 to 462.

**COASTAL PLAIN** - This group consists of the large Central Coastal Basin and two smaller basins -- West Coast Basin and Hollywood Basin.

The Central Coastal Basin lies immediately south and southwest of Whittier Narrows and comprises two readily distinguishable areas -- an Intake Area or Forebay, and a Pressure Area. In the Intake Area, or Forebay, the aquifer is free and replenishment is largely from the surface flow that traverses it. In the Pressure Area, the aquifers are confined beneath thick clay strata and the main replenishment must be by underflow from the Forebay.

Two important contributors to the Forebay Area, the Los Angeles River and Rio Hondo Channels, are being imperviously lined. Artificial recharge facilities will be constructed along the Rio Hondo to offset this loss and facilities are being studied for the lower Los Angeles River.

The West Coast Basin lies oceanward of the Newport-Inglewood uplift. This barrier is not a simple fault, but rather a series of echelon faults. Replenishment of the basin is by underflow through these faults from the Santa Monica Mountains, and from Santa Monica Bay. The latter flow, sea water, has become a hazard of major importance to the safety of the basin as a source of fresh water supply.

Hollywood Basin is separated in the most part from the Central Basin by an east-west anticlinal fold. This basin is distinct from Central Basin inasmuch as its source of replenishment is primarily the runoff from the Santa Monica Mountains.

Ground water contour maps for the Coastal Plain are shown on pages 463 to 468.

**SANTA CLARA RIVER VALLEY** - The primary ground water basin in that portion of the Santa Clara River Valley within Los Angeles County, referred to as the Eastern Basin, receives underflow from several tributaries containing relatively shallow alluvium. In Eastern Basin, wells produce from the zone of free ground water within the shallow alluvial deposits and from the



deeper confined or pressure aquifers within the semipervious sediments of the Saugus and Mint Canyon formations underlying and bordering the shallow alluvium.

The ground water storage is not an effective buffer against continued overdraft, but natural recharge is rapid during all except extreme dry years. A surcharge of storage develops with a continuous period of wet seasons which is gradually dissipated through the associated increase of rising water. Due to the small differential in water levels between Spring and Fall, and the small amount of storage involved, only the Fall ground water contour maps are drawn for this area, and are shown on pages 469 to 470.

**ANTELOPE VALLEY** - Antelope Valley contains one principal ground water basin, Lancaster Basin, and three smaller sub-basins: Neenach Basin at the west end of the valley; Buttes and Rock Creek Basins in the southeastern part of the valley. Three additional relatively shallow structural basins, Valyermo, Pallett Creek, and Amargosa, are tributary to the larger ground water basins and are located along the San Andreas rift zone.

Inflow to the Lancaster Basin is small in respect to the present rate of draft. There is some continuous underflow from tributary basins. No surface recharge takes place except in the years that stream flow extends into the area below an elevation of 2600-feet. Even after the optimum year in rainfall history (1940-41) there was only a partial recovery of the season's loss. In general, ground water levels in the Lancaster Basin have steadily dropped for the period of available record commencing in the early 1920's.

Antelope Valley ground water contours are shown on pages 471 to 472.

#### RESPONSIBILITY

For the period presented in this report, field and office work was under the direction of Finley B. Laverty, Division Engineer of the Hydraulic Division and under the immediate supervision of H. A. van der Goot, Section Head of the Ground Water Section, assisted by E. J. Koch, Jr., H. C. Porter, and E. J. Zielbauer.

TABLE XIV

RESERVOIR AND CHANNEL ABSORPTION EXCLUSIVE OF SPREADING GROUNDS ABSORPTION						
STREAM	REACH OF STREAM WHERE ABSORPTION OCCURRED	TOTAL RELEASE TO REACH A.F.	ABSORPTION IN CHANNELS, RESERVOIRS AND DIVERSIONS A.F.	EXCESS OF RELEASE OVER ABSORPTION A.F.	YEAR	
PACOIMA	DAM TO LINED CHANNEL	2,938.	<u>3/</u> 1,137.	1,801.	1953-54	
"	" " " "	737.	<u>3/</u> 737.	0	1954-55	
TUJUNGA	MOUTH OF CANYON TO HANSEN DAM	8,647.	7,105.		1953-54	
"	" " " "	3,627.	4,085.		1954-55	
DEVIL'S GATE	RESERVOIR ONLY		<u>1/</u> 836.		1953-54	
"	" " " "		<u>1/</u> 496.		1954-55	
EATON	DAM TO RIO HONDO	202.	<u>1/</u> 305.	0	1953-54	
"	" " " "	0	<u>1/</u> 146.	0	1954-55	
SANTA ANITA	DAM TO ARROW HIGHWAY	3,319	<u>3/</u> 2,344.	975.	1953-54	
"	" " " "	1,228.	<u>3/</u> 1,069	159.	1954-55	
SAWPIT	DAM TO SHRODE AVENUE	263.	263.	0	1953-54	
"	" " " "	139.	139.	0	1954-55	
SAN GABRIEL	MOUTH OF CANYON TO FOOTHILL BOULEVARD (CANYON BASIN)	28,907.	4,807.	24,100.	1953-54	
"	" " " "	1,836.	1,798.	38.	1954-55	
SAN GABRIEL	FOOTHILL BOULEVARD TO SANTA FE DAM (MAIN BASIN)	21,920.	<u>4/</u> 13,406.	8,514.	1953-54	
"	" " " "	38.	38.	0	1954-55	
SAN GABRIEL	SANTA FE DAM TO RISING WATER (MAIN BASIN)	164.	164.	0	1953-54	
"	" " " "	0	0	0	1954-55	
SAN GABRIEL	BELOW STANDEFER DITCH TO FLORENCE AVENUE (COASTAL PLAIN)	<u>2/</u> 16,409.	9,046.	7,363.	1953-54	
"	" " " "	<u>2/</u> 15,288.	11,671.	3,617.	1954-55	
SAN GABRIEL	FLORENCE AVENUE TO SPRING STREET (COASTAL PLAIN)	3,790.	1,730.	2,060.	1953-54	
"	" " " "	1,000.	75.	925.	1954-55	
RIO HONDO	SANTA FE DAM TO LOWER AZUSA ROAD (MAIN BASIN)	8,350.	1,000.	7,350.	1953-54	
"	" " " "	0	0	0	1954-55	
RIO HONDO	MISSION BRIDGE TO STEWART AND GRAY ROAD (COASTAL PLAIN)	<u>2/</u> 29,160.	11,703.	17,457.	1953-54	
"	" " " "	<u>2/</u> 15,660.	3,540.	12,120.	1954-55	
BIG DALTON	SPREADING AREA TO ALOSTA AVENUE	28.	28.	0	1953-54	
"	" " " "	0	0	0	1954-55	
SAN DIMAS	DAM TO PUDDINGSTONE DIVERSION DAM AND PUDDINGSTONE DIVERSION DAM TO GLENDORA AVENUE	1,540.	<u>3/</u> 1,540.	0	1953-54	
"	" " " "	563.	<u>3/</u> 563.	0	1954-55	
LIVE OAK	DAM TO FOOTHILL BOULEVARD	78.	<u>1/</u> 63.	15.	1953-54	
"	" " " "	0.3	0.3	0	1954-55	
WALNUT	PUDDINGSTONE DAM TO SAN GABRIEL RIVER	30,650.	12,160.	18,490.	1953-54	
"	" " " "	23,300.	6,300.	17,000.	1954-55	
		TOTAL	67,637.		1953-54	
		"	30,657.		1954-55	
NOTES						
<p><u>1/</u> INCLUDES PERCOLATION AND EVAPORATION LOSSES IN RESERVOIR.</p> <p><u>2/</u> INCLUDES RISING WATER IN VICINITY OF WHITTIER NARROWS.</p> <p><u>3/</u> INCLUDES WATER DIVERTED FOR USE.</p> <p><u>4/</u> INCLUDES 3500 A.F. FOR A TEST SPREADING OPERATION IN SANTA FE RESERVOIR SPREADING GROUNDS. EXCESS OF RELEASE OVER ABSORPTION INCLUDES WATER PERCOLATED IN OFF-CHANNEL SPREADING GROUNDS.</p>						

TABLE XV

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)  
SEPTEMBER, 1955

GROUNDS	TYPE	SEASON FIRST USED	AREA IN ACRES		CAPACITIES				LOCATION	SOURCE OF WATER	REMARKS
			GROSS	WETTED	INTAKE C.F.S.	SPILLWAY C.F.S.	STORAGE A.F.	PERCOLATING C.F.S.			
SPREADING GROUNDS OWNED BY THE DISTRICT (WHOLLY CONSTRUCTED, MAINTAINED AND OPERATED BY IT):											
PACOIMA	BASINS	1932-33	175.0	119.0	400	--	300	165	BOTH SIDES OF OLD PACOIMA WASH CHANNEL FROM ARLETA STREET SOUTHWESTERLY TO WOODMAN AVENUE	CONTROLLED FLOW FROM PACOIMA DAM. PARTIALLY CONTROLLED FLOW FROM LOPEZ BASIN. UNCONTROLLED FLOW BETWEEN LOPEZ BASIN AND SPREADING GROUNDS.	NEW DIVERSION PLACED IN USE AND UP-STREAM CHANNEL PAVED. APRIL 1954. GROSS AREA EXCLUDES NEW CHANNEL, BUT INCLUDES OLD CHANNEL FROM WOODMAN AVENUE TO SHARP AVENUE AND YARD AREA TO PATXON STREET.
HANSEN	BASINS	1944-45	145.0	104.0	450	--	200	200	NORTHWESTERLY SIDE OF TUJUNGA WASH FROM ABOVE GLENDOKS BLVD. SOUTHWESTERLY TO SAN FERNANDO ROAD.	CONTROLLED FLOW FROM HANSEN DAM AND BIG TUJUNGA DAM.	STRIP (36 A.) BETWEEN SPREADING GROUNDS AND CHANNEL NOT INCLUDED IN AREA.
ARROYO SECO	BASINS	1948-49	24.0	13.0	100	400	30	26	EASTERLY SIDE OF ARROYO SECO, LOWER END 0.5 MI. ABOVE DEVIL'S GATE DAM.	ARROYO SECO UNCONTROLLED FLOW IN EXCESS OF CITY OF PASADENA DIVERSION.	GROSS AREA INCLUDES 10 A. OF THE 19.5 A. SPREADING GROUNDS EASEMENT AND APPROX. 14 A. OF DEVIL'S GATE RESERVOIR EASEMENT.
EATON	GRAVEL PITS	1947-48	15.0	9.4	150	300	140	10	EASTERLY SIDE OF EATON WASH BELOW EATON DAM.	CONTROLLED FLOW FROM EATON WASH DAM.	GROSS AREA INCLUDES PART OF CHANNEL R/W UTILIZED FOR SPREADING GROUNDS. NET AREA: PIT 1 * 2.4 A.; PIT 2 * 5.0 A.; CANALS * 2.0 A.
SANTA ANITA	BASINS	1944-45	11.0	8.5	20	--	25	7	WESTERLY SIDE OF SANTA ANITA WASH 1.25 MI. ABOVE FOOTHILL BLVD.	CONTROLLED FLOW FROM SANTA ANITA DAM. UNCONTROLLED FLOWS BETWEEN DAM AND SANTA ANITA SPREADING HEADWORKS.	DURING 1944-45 AND 1946-47 EXPERIMENTAL TEST BASINS ONLY (36 A.) ON LAND LATER ACQUIRED IN FEE.
SAWPIT	BASINS	1946-47	10.0	3.8	30	--	13	12	WESTERLY SIDE OF SAWPIT WASH BELOW MOUTH OF CANYON, AT HEAD OF NORUMBEGA ST., MONROVIA.	PARTIALLY CONTROLLED FLOW FROM SAWPIT DAM AND SAWPIT DEBRIS BASIN.	GROSS AREA INCLUDES 0.89 A. UNDER EASEMENT FOR INTAKE AND PIPE LINE. DEBRIS DAM CONSTRUCTED IN 1955. ADDITIONAL AREA BEING ACQUIRED.
BIG DALTON CANYON	BASINS AND CHECKS	1930-31	30.0	11.0	45	--	23	33	BIG DALTON WASH, INTAKE 3/4 MILE ABOVE SIERRA MADRE AVENUE.	CONTROLLED FLOWS FROM BIG DALTON DAM. UNCONTROLLED FLOWS BETWEEN BIG DALTON DAM AND SPREADING GROUNDS.	ACQUIRED IN FEE WITH CERTAIN RESTRICTIONS (SEE AGREEMENT DATED APRIL 7, 1954) BY L.A.C.F.C.D. FROM CITY OF GLENDDORA ET AL IN APRIL, 1954.
SAN GABRIEL COASTAL	BASINS	1938-39	118.0	96.0	200	400	450	85	WESTERLY SIDE OF SAN GABRIEL RIVER, SOUTHERLY FROM WHITTIER BLVD. TO WASHINGTON BLVD.	SAN GABRIEL RIVER, SAN JOSE CREEK, WALNUT CREEK, SAN GABRIEL RIVER FLOWS CONTROLLED BY SAN GABRIEL DAM, COGSWELL DAM, MORRIS DAM AND SANTA FE DAM. OTHER FLOWS PARTIALLY CONTROLLED.	95.3 A. HELD UNDER PERPETUAL EASEMENT. 22.7 A. OWNED IN FEE.
RIO HONDO COASTAL	BASINS	1937-38	429.0	361.0	750	--	1800	400	EASTERLY SIDE OF RIO HONDO SOUTHERLY FROM U.P.R. (S. OF WHITTIER BLVD.) TO SLAUSON AVE.	SAN GABRIEL RIVER FLOWS CONTROLLED BY SAN GABRIEL DAM, COGSWELL DAM, MORRIS DAM AND SANTA FE DAM. UNCONTROLLED RUNOFF PRINCIPALLY FROM SAWPIT, SANTA ANITA AND EATON WASHES. UNCONTROLLED RUNOFF FROM RUBIO AND ALHAMBRA WASHES.	WHITTIER NARROWS DAM UNDER CONSTRUCTION WILL FURTHER CONTROL FLOWS. CONCRETE FLOOD CHANNEL AND DIVERSION HEADWORKS TO GROUNDS UNDER CONSTRUCTION.
BUENA VISTA	GRAVEL PIT	1954-55	10.0	5.5	2,930	--	153	30	SOUTH FROM MERIDIAN ST. TO SANTA FE CHANNEL, 300' WEST OF TIFAL AVENUE.	BUENA VISTA CHANNEL. UNCONTROLLED FLOW	THE ENTIRE UNCONTROLLED FLOW IN BUENA VISTA CHANNEL ROUTED INTO THE BASIN. A SPILLWAY FOR SMALL OVERFLOW IS PROVIDED.
TOTALS			967.0	731.2			3,134	966			
SPRDG. GRDS. ON WHICH THE DISTRICT DOES CONSTRUCTION AND MAINTENANCE WORK:											
LITTLE DALTON	DITCHES AND CHECKS	1931-32	16.4	--	20	--	--	10	LITTLE DALTON WASH, INTAKE 1/2 MI. ABOVE SIERRA MADRE AVE. WESTERLY OF GLENDORA MOUNTAIN ROAD.	LITTLE DALTON CREEK, UNCONTROLLED FLOW.	HELD UNDER EASEMENT BY THE DISTRICT. OPERATED BY GLENDORA IRRIGATING CO. INTAKE CAPACITY GIVEN IS FOR FREEFALL WEIR.
THOMPSON CREEK	DITCHES, CHECKS, PIT	ABOUT 1928	56.4	--	70	--	--	40	SOUTHERLY FROM AND ADJACENT TO THOMPSON CREEK DAM, E. SIDE OF CREEK.	CORAL, WILLIAMS, PALMER AND PADUA CREEKS, THOMPSON CREEK. WHEN RESERVOIR ABOVE ELEV. 1625.	HELD UNDER EASEMENT BY THE DISTRICT. OPERATED BY POMONA VALLEY PROTECTIVE ASSN. IN ADDITION TO THE 96.4 ACRES, SOME AREA WITHIN THOMPSON CREEK RESERVOIR IS USED TO SPREAD STORM FLOWS. WATER SPREAD IN AREA SINCE ABOUT 1918.
SAN ANTONIO	DITCHES, CHECKS, AND BASINS	1921-22	771	--	500	--	--	300	BOTH SIDES OF SAN ANTONIO CREEK, FROM 2 1/2 MI. ABOVE BASE LINE SOUTHWESTERLY TO BASE LINE.	SAN ANTONIO CREEK, UNCONTROLLED FLOW. (SAN ANTONIO FLOOD CONTROL DAM UNDER CONSTRUCTION WILL PROVIDE PARTIAL CONTROL.)	HELD UNDER EASEMENT BY THE DISTRICT. OPERATED BY POMONA VALLEY PROTECTIVE ASSN. W. SIDE 650 A., E. SIDE 230 A., CHANNEL 87 A. IN ADDITION TO THE 771 A., THERE ARE APPROXIMATELY 80 A. NOT DEVELOPED. SOME STORAGE CAPACITY IN E. SIDE BASINS. WATER SPREAD IN VICINITY ON AND OFF AS EARLY AS ABOUT 1900.
TOTALS			843.8					350			
COOPERATIVE SPREADING GROUNDS:											
SAN GABRIEL SPRDG. CORP. EAST SIDE	DITCHES AND CHECKS	ABOUT 1917	500	--	--	--	--	100	EASTERLY SIDE OF SAN GABRIEL RIVER, BELOW MOUTH OF CANYON, NORTH OF AZUSA.	SAN GABRIEL RIVER; CONTROLLED RELEASES FROM SAN GABRIEL DAM, COGSWELL DAM AND MORRIS DAM.	DISTRICT DELIVERS WATER. DOES HYDROGRAPHIC WORK AND SOME CONSTRUCTION. SOME WATER ALSO DIVERTED THROUGH AZUSA AND COVINA CANALS FOR PERCOLATION IN LOWER SAN DIMAS AND DALTON WASHES. NO RECORDS KEPT BEFORE 1919-20.
WEST SIDE (INCLUDING FISH CR. SPREADING GROUNDS)	BASINS	ABOUT 1917	6±	3.6	--	--	--	7	WESTERLY SIDE OF SAN GABRIEL RIVER, BELOW MOUTH OF FISH CANYON.	SAN GABRIEL RIVER; CONTROLLED RELEASES FROM SAN GABRIEL DAM, COGSWELL DAM, AND MORRIS DAM, VIA DUARTE DITCH.	DISTRICT DELIVERS WATER. DOES HYDROGRAPHIC WORK AND SOME CONSTRUCTION. SOME WATER ALSO PERCOLATES IN SAN GABRIEL WASH IN VICINITY OF SPRDG. GRDS. AND IN BRUSH LAND WHERE IRRIGATION WASTE LINES DISCHARGE. NO SEPARATE RECORDS KEPT PRIOR TO 1926-27.
SIERRA MADRE	BASINS	ABOUT 1933	17	7	--	--	--	37	CITY OF SIERRA MADRE SOUTH SIDE OF GRANDVIEW AVE., 1/2 MI. W. OF SANTA ANITA AVE.	LITTLE SANTA ANITA CREEK AND STREET RUNOFF ONLY, PRIOR TO 1951-52. STARTING IN 1951-52 ALSO CONTROLLED FLOWS FROM SANTA ANITA DAM.	NO RECORDS OF WATER SPREAD PRIOR TO 1951-52. GROUNDS RESULT IN 1951. ULTIMATE CAPACITY ESTIMATED 25 C.F.S.
TOTALS			523					124			
SPRDG. GRDS. OF AGENCIES WHICH RECEIVE NO DISTRICT ASSISTANCE:											
ANTELOPE VALLEY SOIL CONSERVATION DISTRICT.	BASINS	1945-46	80±	45±	--	--	--	75	ANTELOPE VALLEY BELOW MOUTH OF KINGS CANYON, AT 129TH ST. WEST 3/4 MI. SOUTH OF HIGHWAY 138.	L. A. CITY'S OWENS VALLEY AQUE-DUCT.	INITIATED BY U.S. SOIL CONSERV. SERVICE. OPERATED ONLY WHEN EXCESS AQUE-DUCT WATER WOULD OTHERWISE BE WASTED. GROUNDS OUTSIDE OF F.C. DISTRICT.
CITY OF POMONA	DITCHES AND CHECKS	(SEE REMARKS)	20±	--	--	--	--	--	NORTH OF CLAREMONT, SOUTHWEST CORNER AT 1/2 MI. W. OF FOOTHILL BLVD. AND 1/8 MI. W. OF HILLS AVE.	SAN ANTONIO CR. WATER DELIVERED THROUGH LOOP RESERVE CANYON WATER CO'S PIPE LINE. ALSO SOME LOCAL RUNOFF.	WATER SPREAD IN VICINITY ON AND OFF SINCE ABOUT 1907. GROUNDS 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	160±	25±	--	--	--	--	SAN FERNANDO WASH, E. SIDE OF TUJUNGA WASH AT ROSCOE BLVD.	L. A. CITY'S OWENS VALLEY AQUE-DUCT.	PRIOR TO 1938 FLOOD, USED 80 A. NET. PAVED CHANNEL WAS CONSTRUCTED ON WESTERLY SIDE OF GROUNDS IN 1950.
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 CHATS-WORTH RESERVOIR.	CRYSTAL SPRINGS INFILTRATION AREA. NOT REGULAR SPREADING GROUNDS. WATER PUMPED OUT FROM COLLECTING GALLERIES UNDER AREA.
TOTALS			330								

\*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.

TABLE XVI

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT  
HYDRAULIC DIVISION  
SUMMARY OF WATER SPREAD IN LOS ANGELES COUNTY  
ACRE FEET  
(See Companion Tabulation for Basic Data)

SEASON	SPREADING GROUNDS OWNED BY THE DISTRICT (WHOLLY CONSTRUCTED, MAINTAINED AND OPERATED BY IT)										SPRG. GRDS. ON WHICH THE DISTRICT DOES CONST. & MAINT. WORK				COOPERATIVE SPREADING GROUNDS				SPRG. GRDS. OF AGENCIES WHICH RECEIVE NO DISTRICT ASSISTANCE				TOTAL	SEASON
	PAULINA (F)	HANSEN	ARROYO SECO (F)	EATON (F)	SANTA ANITA (F)	SANFIT (F)	BIG DALTON (F)	SAN GABRIEL COASTAL(F)	SIO MONTE COASTAL(F)	BUENA VISTA	LITTLE DALTON (A)	THOMPSON CREEK (B)	SAN ANTONIO (B)	S.S. SPRNG. CANYON BASIN	MAIN BASIN	CITY ELENA MADE STA. ANITA WATER	LOCAL WATER	A.V.S.C.D. KINGS CANYON	CITY OF POMONA	L.A. WATER BUSH	WATER DEPT. L.A. RIVER			
1919-20													7,974									7,974	1919-20	
21												(c)	10,082									10,082	21	
22												(c)	6,132									6,132	22	
23												(c)	12,408									12,408	23	
24												(c)	5,069									5,069	24	
25												(c)	2,878									2,878	25	
26												(c)	8,440									8,440	26	
27												8,090	18,560	2,707					(c)			28,357	27	
28												(c)	17,537	3,270								20,807	28	
29												(c)	15,615	3,501								19,116	29	
30												(c)	16,607	5,898								22,505	30	
31												(c)	201	8,360	5,827							14,398	31	
32												(c)	7,903	25,338	12,106							66,127	32	
33	26											(c)	111	13,386	6,620							26,873	33	
34	230											(c)	630	12,401	4,506							20,795	34	
35	1,203											(c)	6,834	34,315	17,682							24,778	35	
36	2,000											(c)	1,652	17,397	6,975							19,310	36	
37	4,686											(c)	22,552	33,814	20,297							87,736	37	
38	3,544											(c)	15,000	21,627	13,134							5,732	38	
39	363											(c)	1,453	17,815	6,194							12,258	39	
40	307											(c)	2,670	19,304	8,544							3,024	40	
41	9,775												1,530	4,684	9,830							1,166	41	
42	37												1,191	0	0							560	42	
43	3,744												1,084	26,000	24,502	7,702						28,093	43	
44	7,229												543	0	0							83	44	
45	1,467	7,651			337								64	0	0							289	45	
46	514	2,266			0								27	0	9,548							73	46	
47	3,763	9,725			141	29							174	384	4,342							39	47	
48	0	0			0	0							0	0	3,760							0	48	
49	0	0			0	8							88	0	0							0	49	
50	245	0			253	61							66	0	0							28	50	
51	0	0			19	0							0	0	0							0	51	
52	6,122	16,780			1,196	448							856	5,412	400							163	52	
53	1,651	1,271			216	56							56	3	4,023	3,368						9	53	
54	1,891(a)	1,014			455	150							370	3,573	6,694							161	54	
55	205	0			137	145							0	2,617	4,119							10	55	
TOTAL	49,887	37,709	2,264	1,449	1,394	693	6,879	23,296	50,035	10	4,667	1,287	160,141	640,173	224,376	2,562	552	7,280	3,513	183,971	121,935	1,524,096		

(A) = Operated by Glendora Irrigating Co.  
(B) = Operated by Pomona Valley Protective Association.  
(C) = Water spread, no records kept.  
(d) = Breakdown changed from previous reports.

(E) = Daily measurements made total volume not computed.  
(F) = Does not include water spread in the adjacent channels which is included in Reservoir and Channel Absorption Table.  
(G) = New diversion placed in use, upstream channel paved.

NOTE: A re-examination of the basic data indicated some inconsistencies and some errors in a few of the quantities previously published. The above values reflect these corrections.

TABLE XVII

RUNOFF WASTE TO OCEAN IN ACRE FEET

YEAR	COYOTE CREEK NEAR DEL AMO *BELOW D.F. BRIDGE ARTERIA	SAN GABRIEL RIVER AT SPRING STREET	L.A. RIVER AT PACIFIC GRANT HIGHWAY *L.A. RIVER AT WILLOW STREET	BALLOIA CREEK AT SAWTILLE BOULEVARD ***AT CENTINELA BOULEVARD	TOTAL WASTE TO OCEAN	RAINFALL INDEX MEAN FOR COUNTY
1927-28				*** 3830		66
1928-29				***14900	24240	69
1929-30	* 699		** 9340 INCL.	***13500	26500	78
1930-31	*5661		**14400	***18500	33470	92
1931-32	*2690		51000	***21800	82050	122
1932-33	* 457	808	22900	***15800	38970	73
1933-34	*5890	17400	67900	***20600	104800	60
1934-35	*3850	2980	40500	***24900	71630	131
1935-36	*1150	1190	20500	***13300		
1936-37	13700	13500	91100	186	36330	68
				46680	159000	141
1937-38	15100	28020	408000	52500	599600	147
1938-39	4250	1600	82750	28490	116600	118
1939-40	3190	1460	65930	21110	91690	81
1940-41	29500	65890	369500	67360	532200	215
1941-42	1560	13830	93390	17250	123000	80
1942-43	12070	175100	264900	34240	486300	146
1943-44	12060	72200	217400	33000	334660	158
1944-45	3600	22280	100200	24450	150730	90
1945-46	3540	12590	91790	18380	126300	88
1946-47	2460	24100	108000	26300	158860	92
1947-48	1500	NO FLOW	52820	12630	67950	51
1948-49	951	" "	44350	16090	61390	57
1949-50	1800	" "	42180	23250	67230	64
1950-51	1420	" "	36600	18860	56880	42
1951-52	22920	24250	212200	53350	313720	172
1952-53	1155	220	44490	19910	65775	64
1953-54	3990	2060	70790	28480	105320	87
1954-55	1230	820	60120	21600	83760	78



LEGEND

- KEY WELLS.
- KEY WELLS WITH AUTOMATIC RECORDERS.
- KEY WELLS FOR WHICH HYDROGRAPHS ARE INCLUDED IN THIS REPORT.
- KEY WELLS WITH AUTOMATIC RECORDERS FOR WHICH HYDROGRAPHS ARE INCLUDED IN THIS REPORT.
- SPECIAL WELLS WITH AUTOMATIC RECORDERS.
- GROUND WATER BARRIERS.
- SPREADING GROUNDS AND CHANNEL PERCOLATING AREAS.
- APPROX. LINE MARKING TRANSITION FROM FREE TO PRESSURE GROUND 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 LINE OAK.
- 11 LOWER CLAREMONT HEIGHTS.
- 12 UPPER CLAREMONT HEIGHTS.
- 13 SAN ANTONIO CANYON.
- 14 POMONA.
- 15 CHINO.
- 16 PUENTE.
- 17 SPADNA.
- 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 ANAHOOSA.
- 30 ROCK CREEK.
- 31 BUTTE.
- 32 LANCASTER.
- 33 NEENACH.
- 34 MONTEBELLO FOREBAY.
- 35 LOS ANGELES FOREBAY.
- 36 LA HABRA.
- 37 GLENDORA.

SPREADING AREAS

- PACOIMA WASH CHANNEL.
- PACOIMA SPREADING GROUNDS.
- BIG TUJUNGA WASH (LOCAL RUNOFF ONLY).
- HANSEN SPREADING GROUNDS.
- L.A. CITY TUJUNGA SPREADING GROUNDS.
- L.A. CITY CRYSTAL SPRINGS INFILTRATION AREA.
- CATON WASH CHANNEL.
- SIERRA MADRE SPREADING GROUNDS.
- SANTA ANITA WASH CHANNEL.
- SAWPIT WASH CHANNEL.
- SAN GABRIEL RIVER WATER COMMITTEE SPREADING GROUNDS: (A) WEST SIDE CANYON BASIN. (B) EAST SIDE CANYON BASIN. (C) WASH CHANNELS FED BY COYINA AND AZUSA CANALS.
- SANTA FE DAM PERCOLATING AREA.
- RIO HONDO AND SAN GABRIEL RIVER CHANNELS IN MAIN BASIN.
- RIO HONDO COASTAL BASIN SPREADING GROUNDS.
- SAN GABRIEL RIVER COASTAL BASIN SPREADING GROUNDS.
- RIO HONDO AND SAN GABRIEL RIVER CHANNELS IN COASTAL BASIN.
- LITTLE DALTON SPREADING GROUNDS.
- B.C. DALTON SPREADING GROUNDS.
- SAN DIMAS WASH CHANNEL.
- LIVE OAK CREEK CHANNEL.
- THOMPSON CREEK SPREADING GROUNDS.
- SAN ANTONIO SPREADING GROUNDS.
- SANTA CLARA BASIN CHANNELS FED BY L.A. AQUEDUCT.
- ARROYO SECO SPREADING GROUNDS.
- HINDS CANYON SPREADING GROUNDS.
- CATON SPREADING GROUNDS.
- SAWPIT SPREADING GROUNDS.
- SANTA ANITA SPREADING GROUNDS.
- WEST OAK BASIN BARRIER PROJECT.
- CITY OF POMONA SPREADING GROUNDS.
- BUENA VISTA SPREADING BASIN.

NOTE: THIS DUPLICATE TRACING MADE FROM ORIGINAL BASE TRACING NO. 2-14-74 REVISED IN APRIL 1947.

AS OF DATE	DATE	DESCRIPTION	BY
SEP 1940	MAY 1947	ADDED ANAHOOSA, L.A. AQUEDUCT, BASIN, WELLS, SPEC. AREA, LITTLE TITUS	E.L.H.
SEP 1941	JAN 1948	GEN FOR 1943-47 REPORT	E.L.H.
SEP 1942	DEC 1948	GEN FOR 1947-49 REPORT	E.L.H.
SEP 1943	MAY 1949	GEN FOR 1949-50 REPORT	E.L.H.
SEP 1952	MAR 1954	GEN FOR 1951-53 REPORT	E.L.H.
SEP 1950	JAN 1956	GEN FOR 1955-55 REPORT	E.L.H.

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

MAP SHOWING LOCATION OF KEY WELLS GROUND WATER BASINS AND SPREADING GROUNDS

APPROVED BY: *H. Hedges*

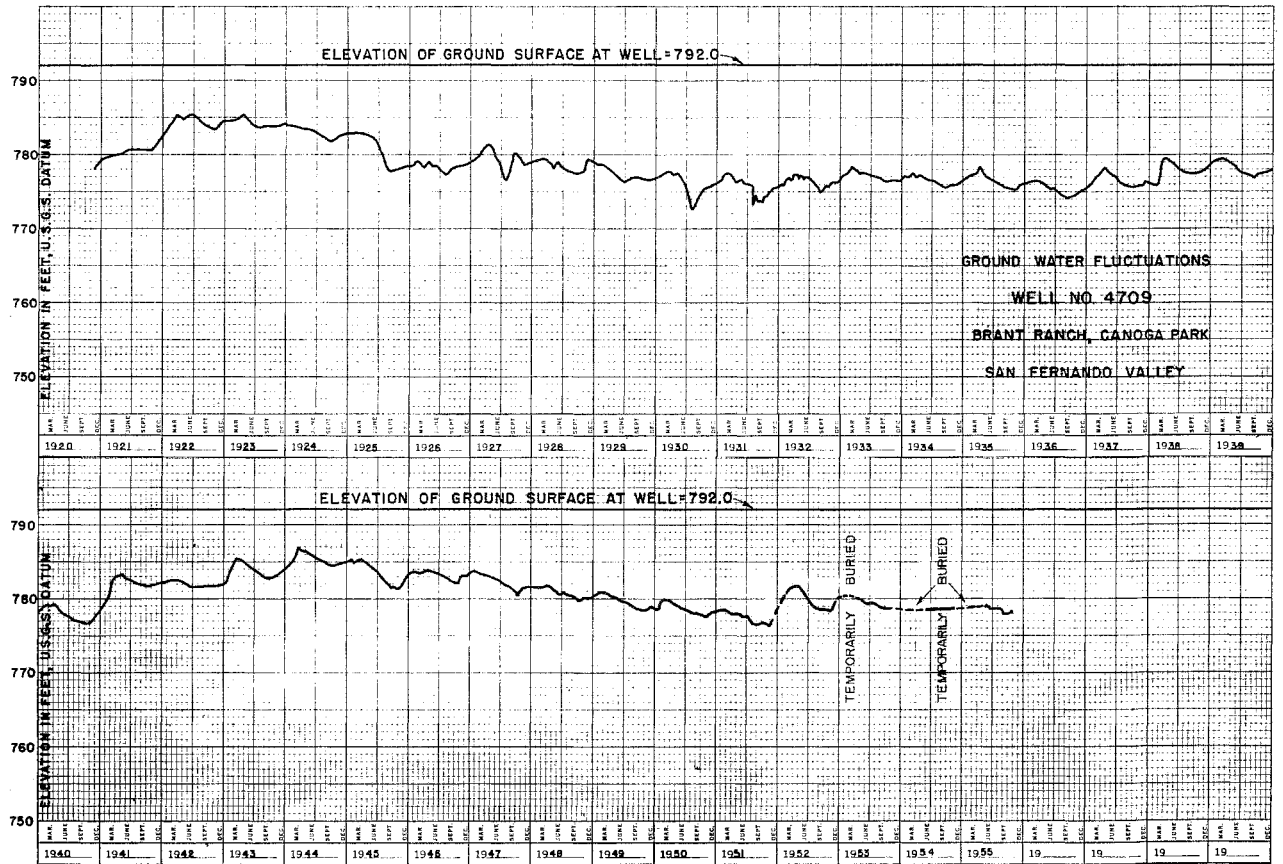
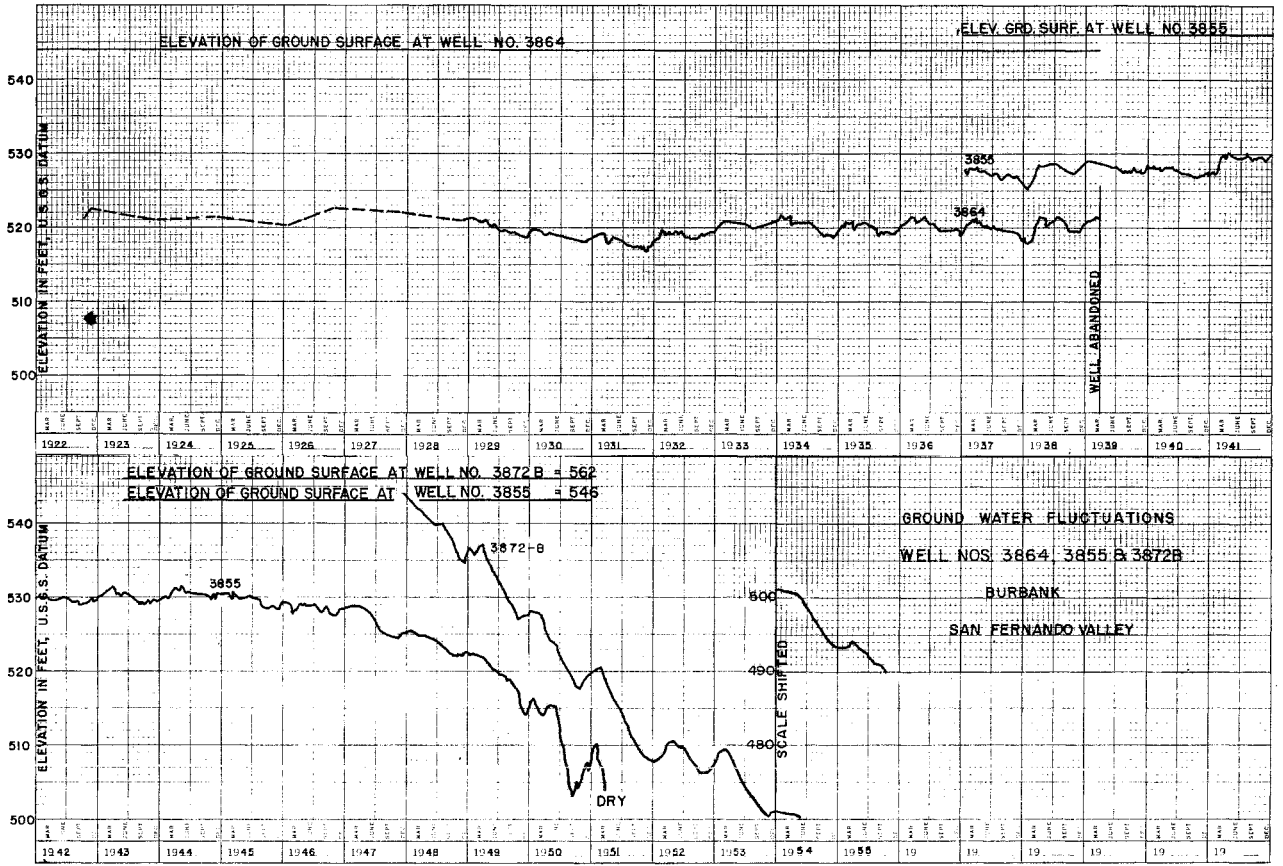
PREPARED BY: *E.L.H.*

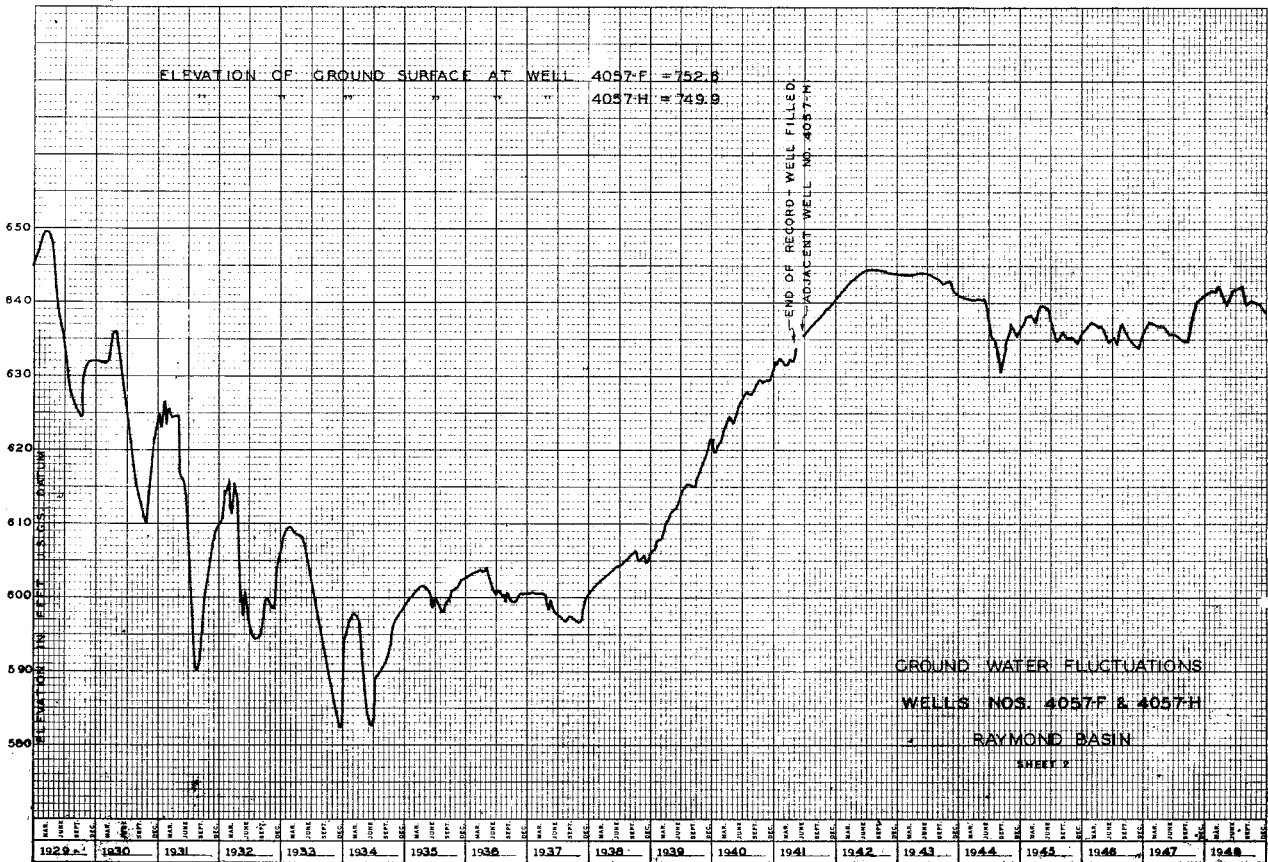
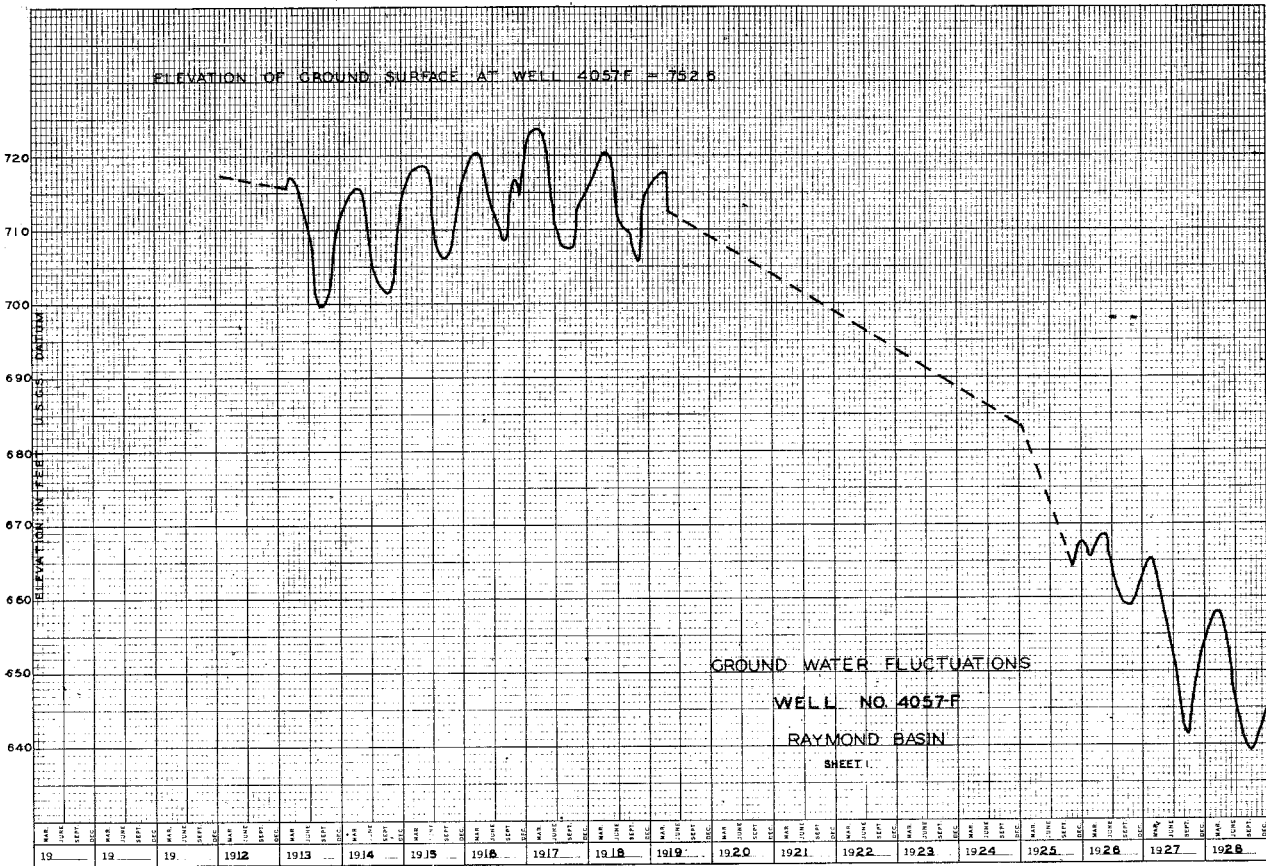
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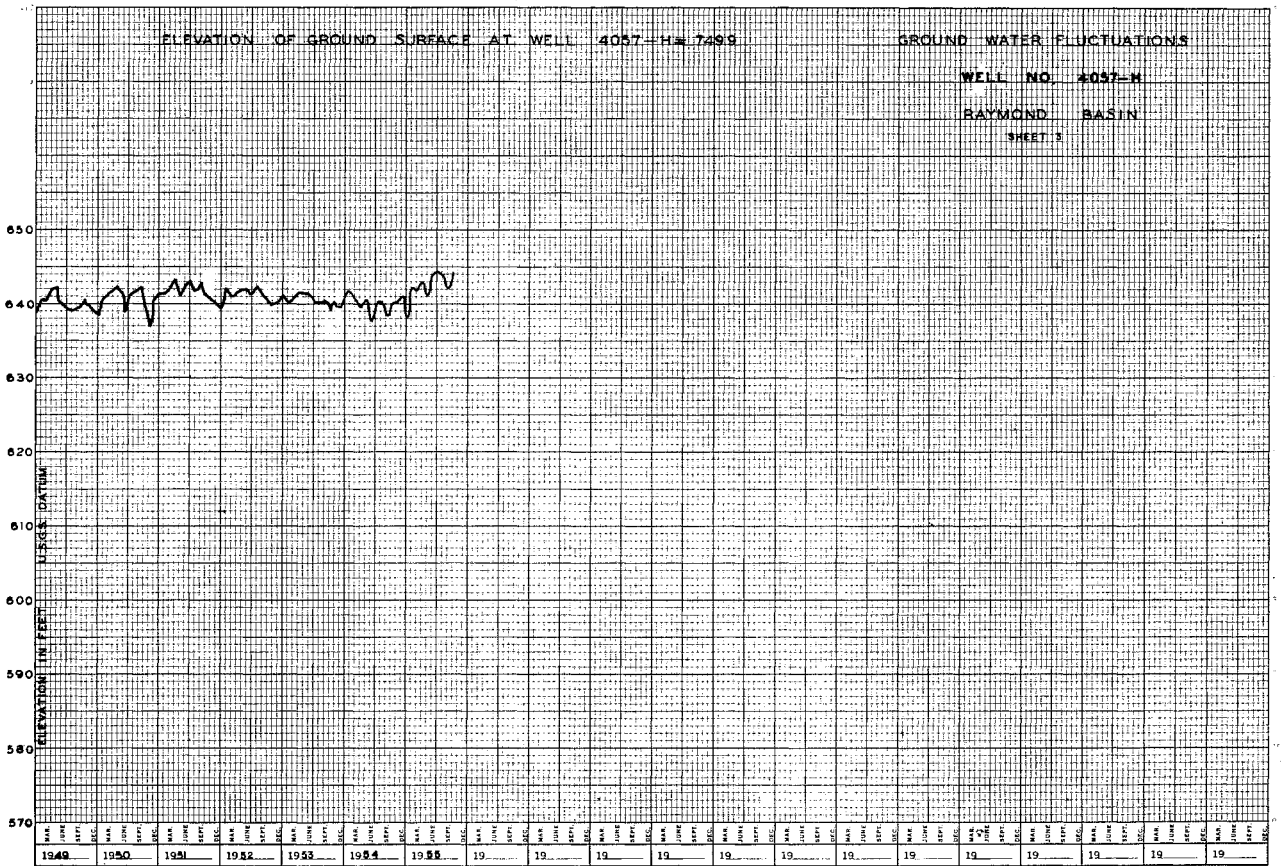
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NO 2-174

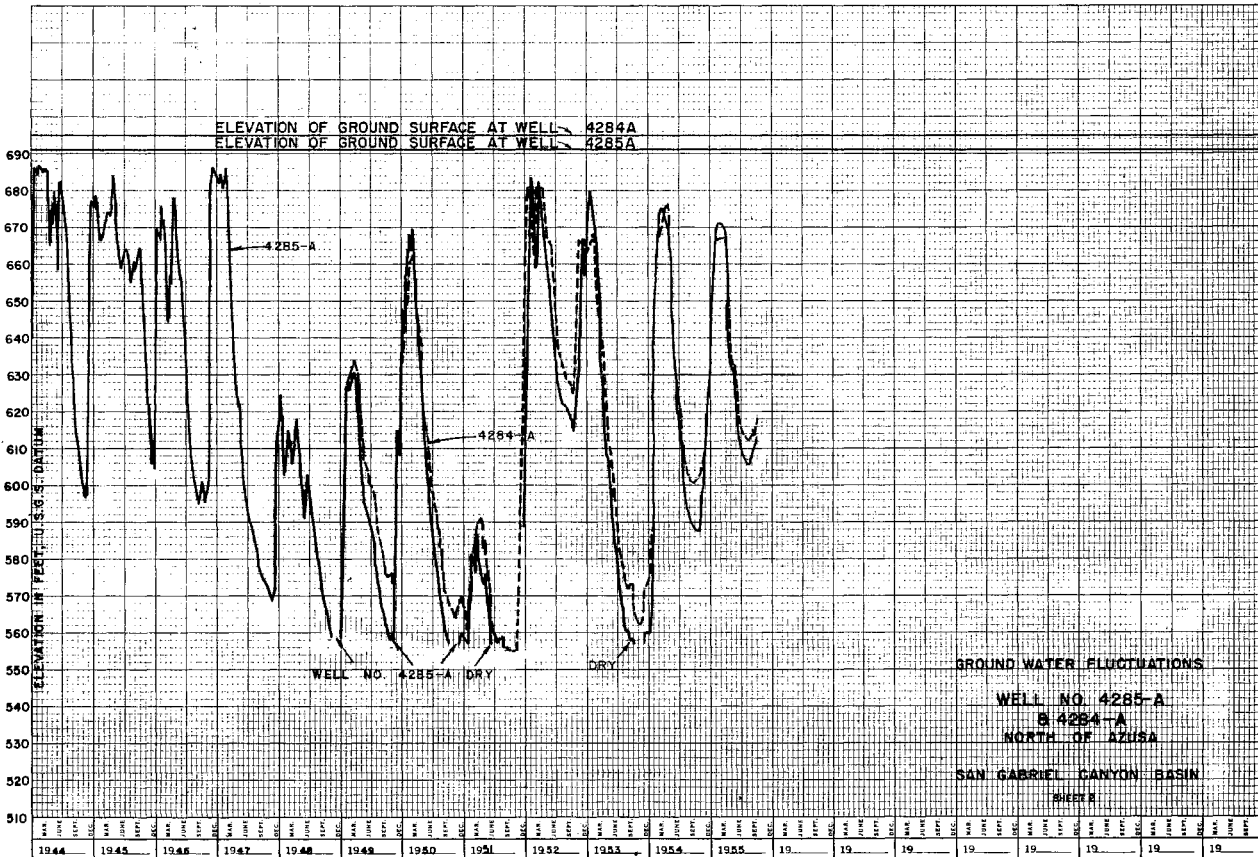
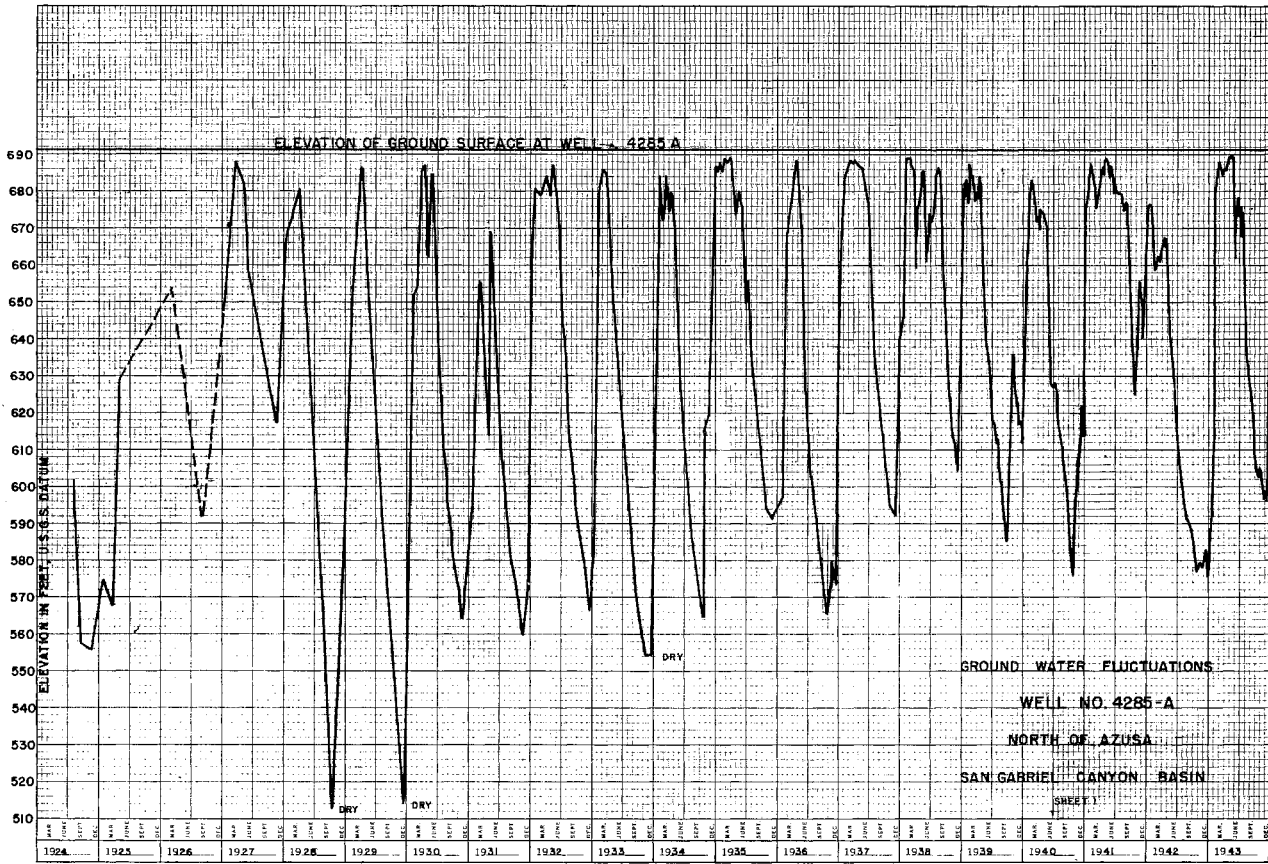
MAP IV

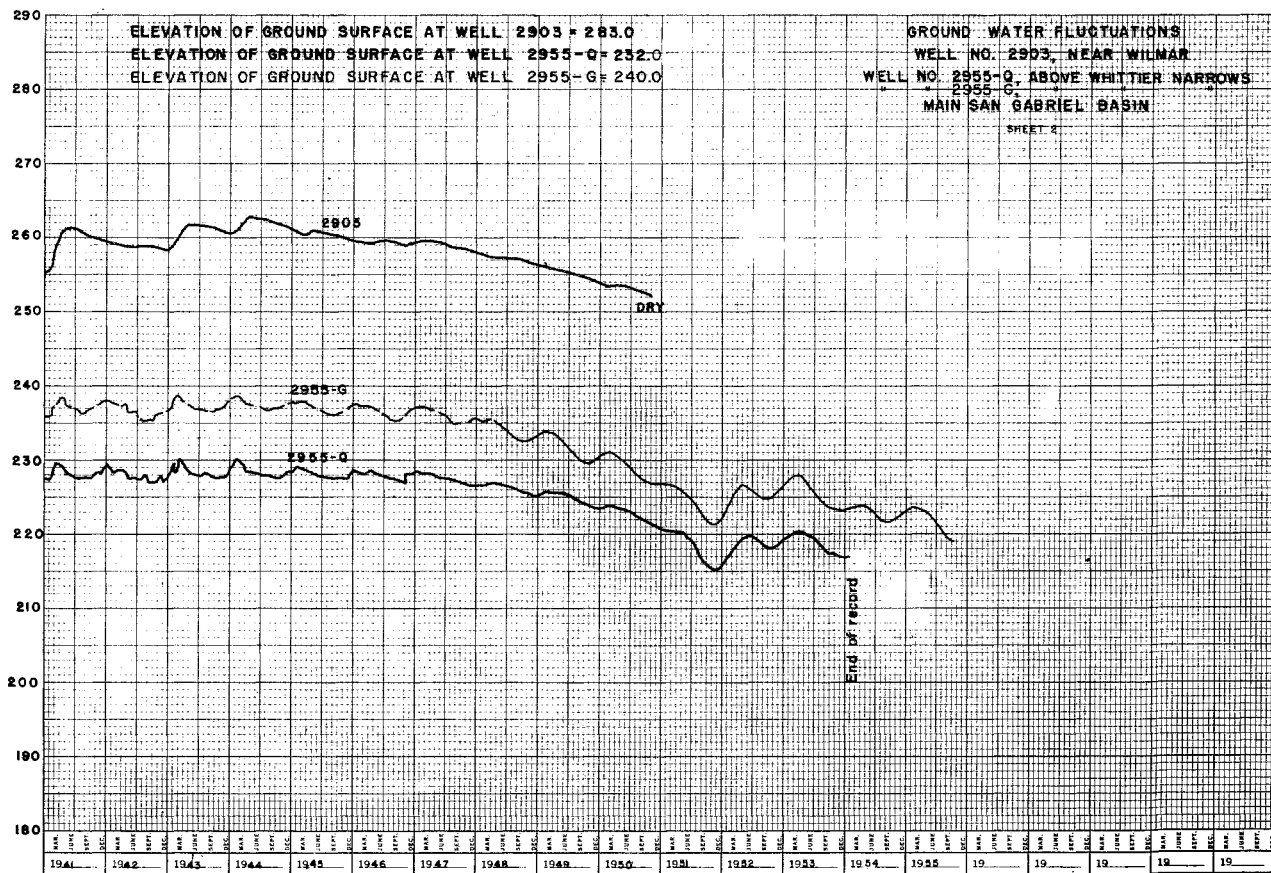
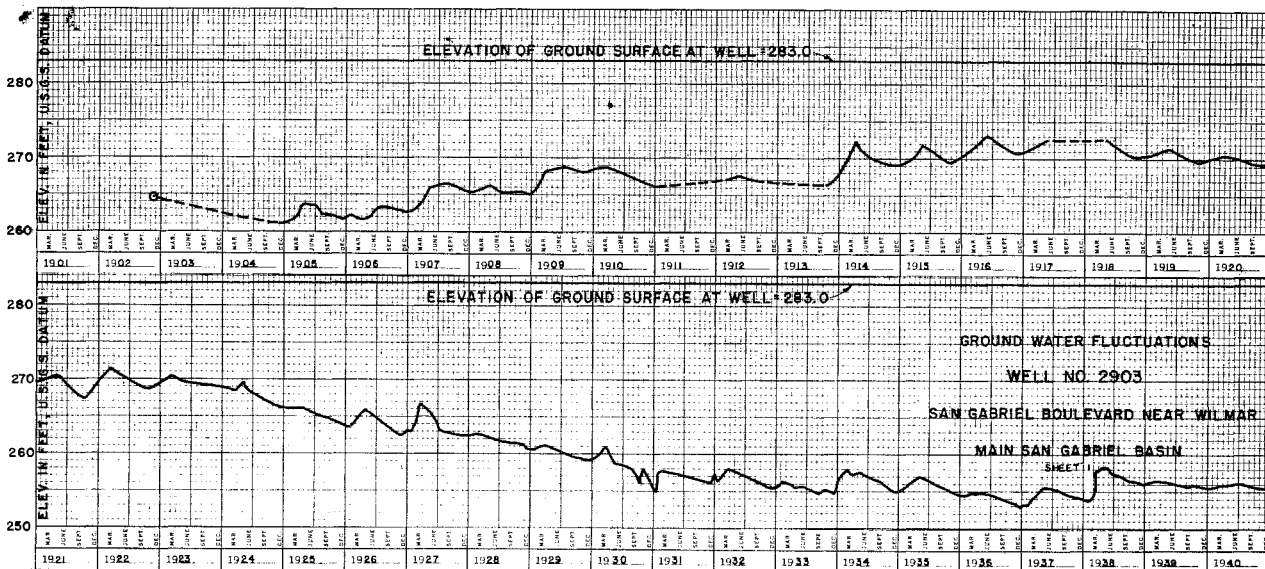


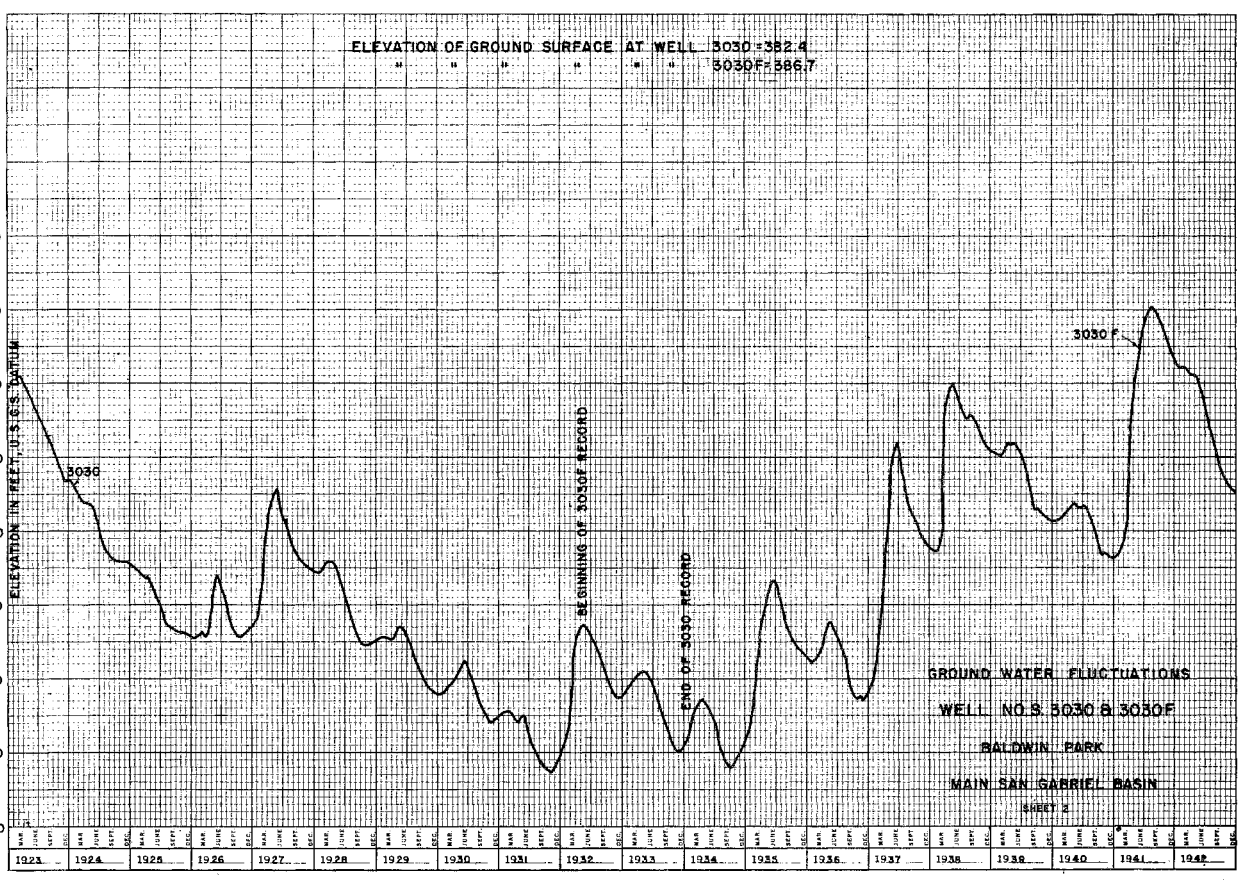
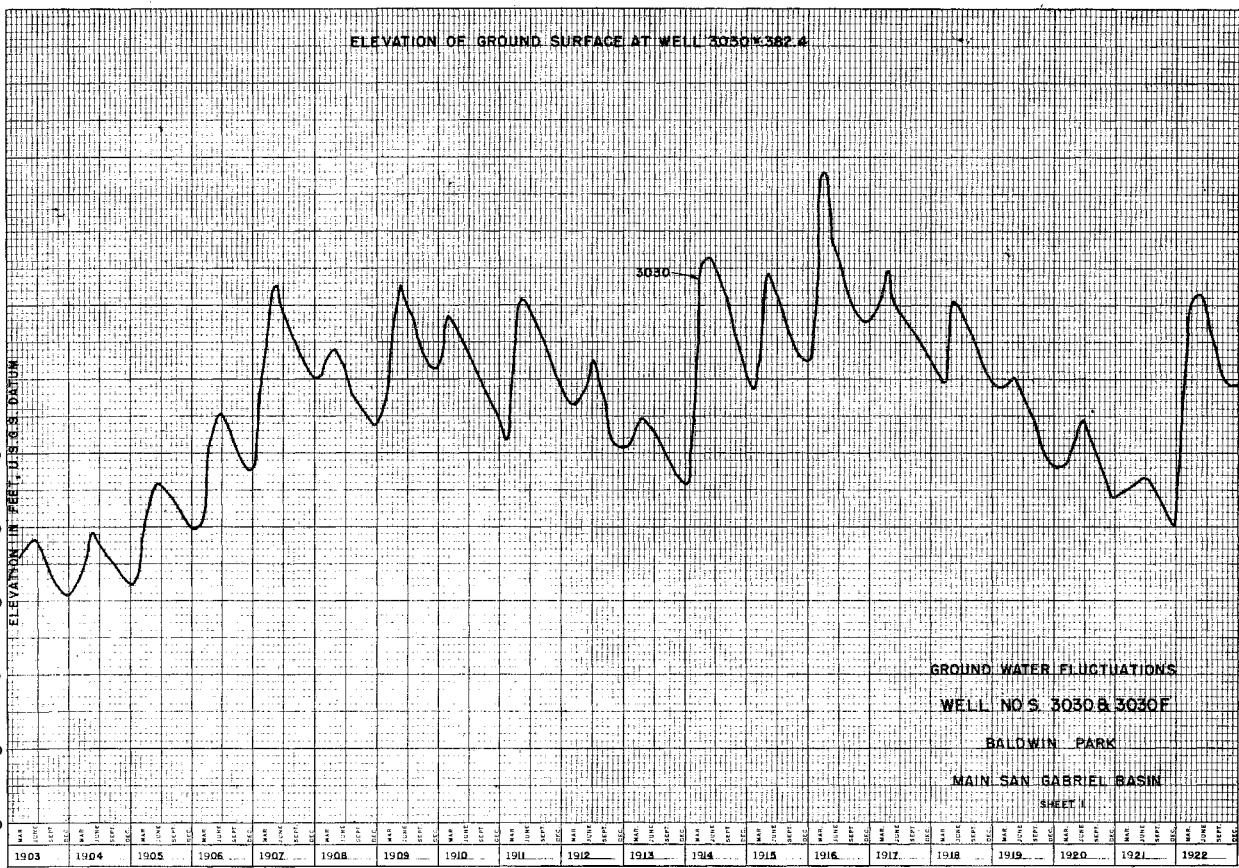




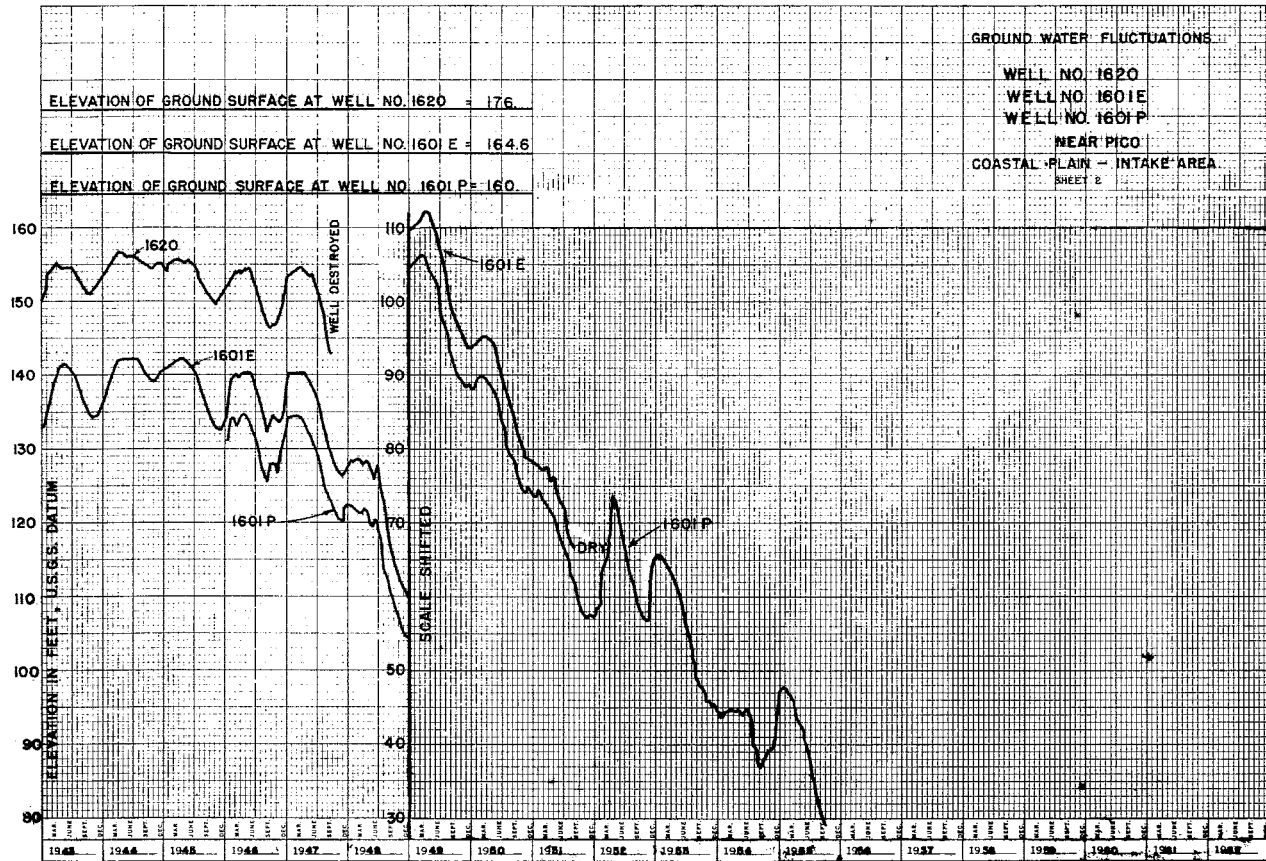
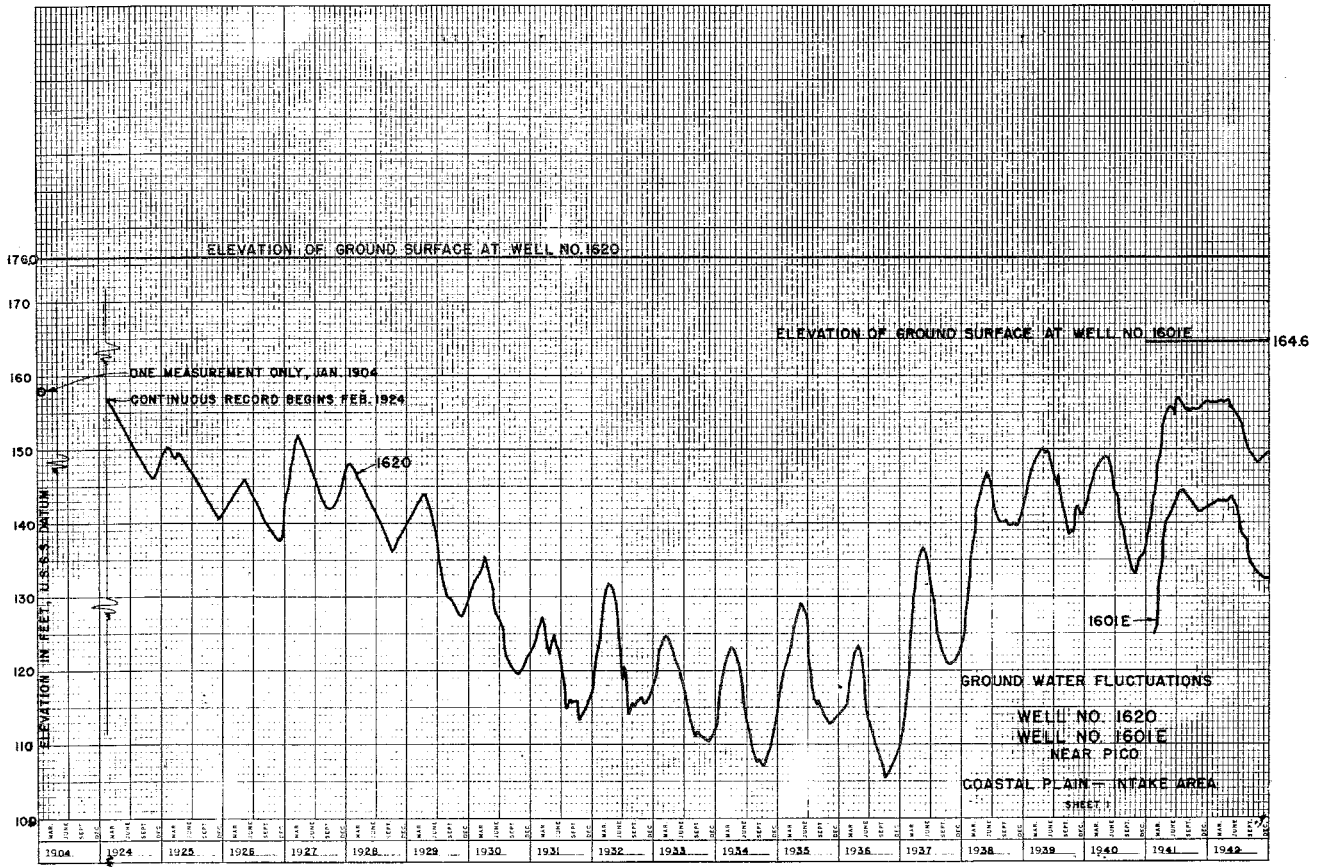


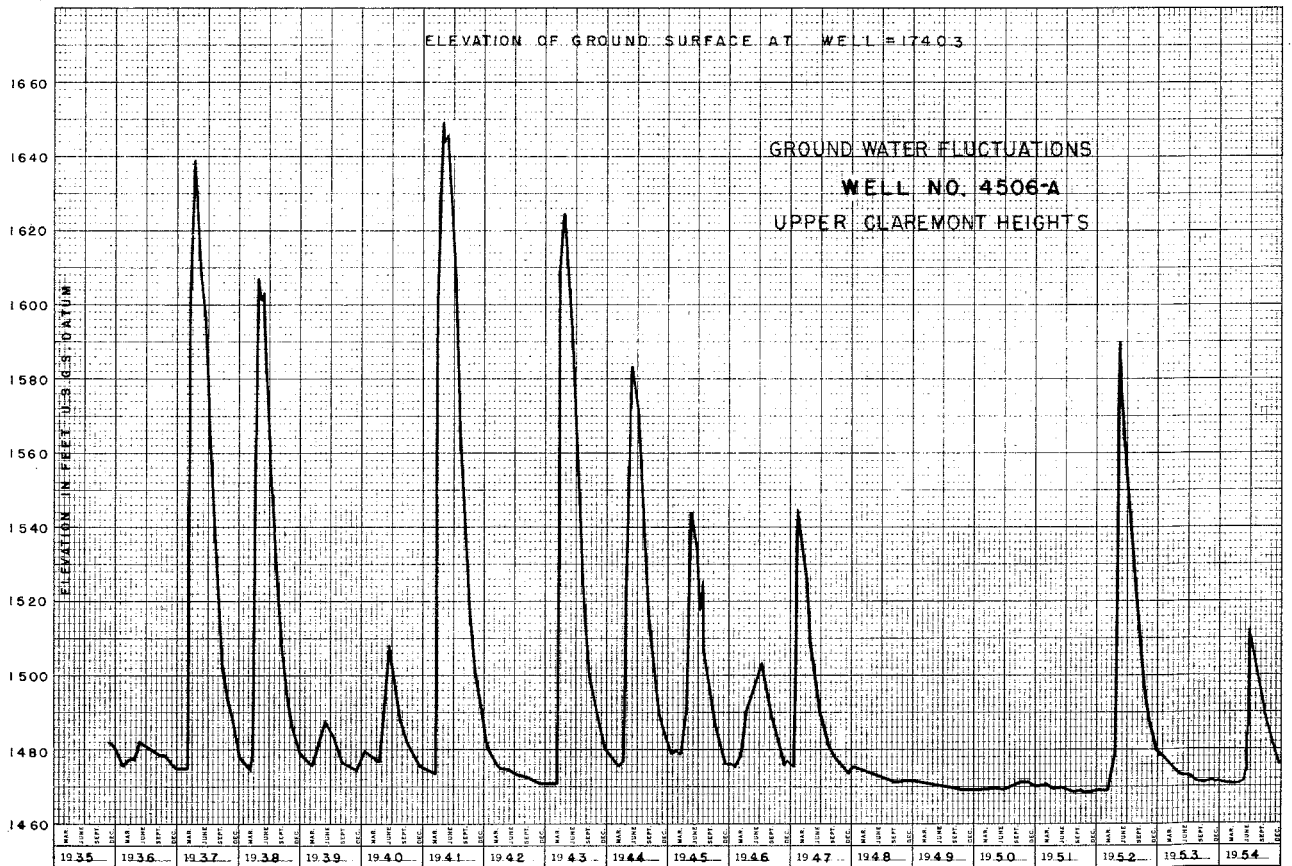
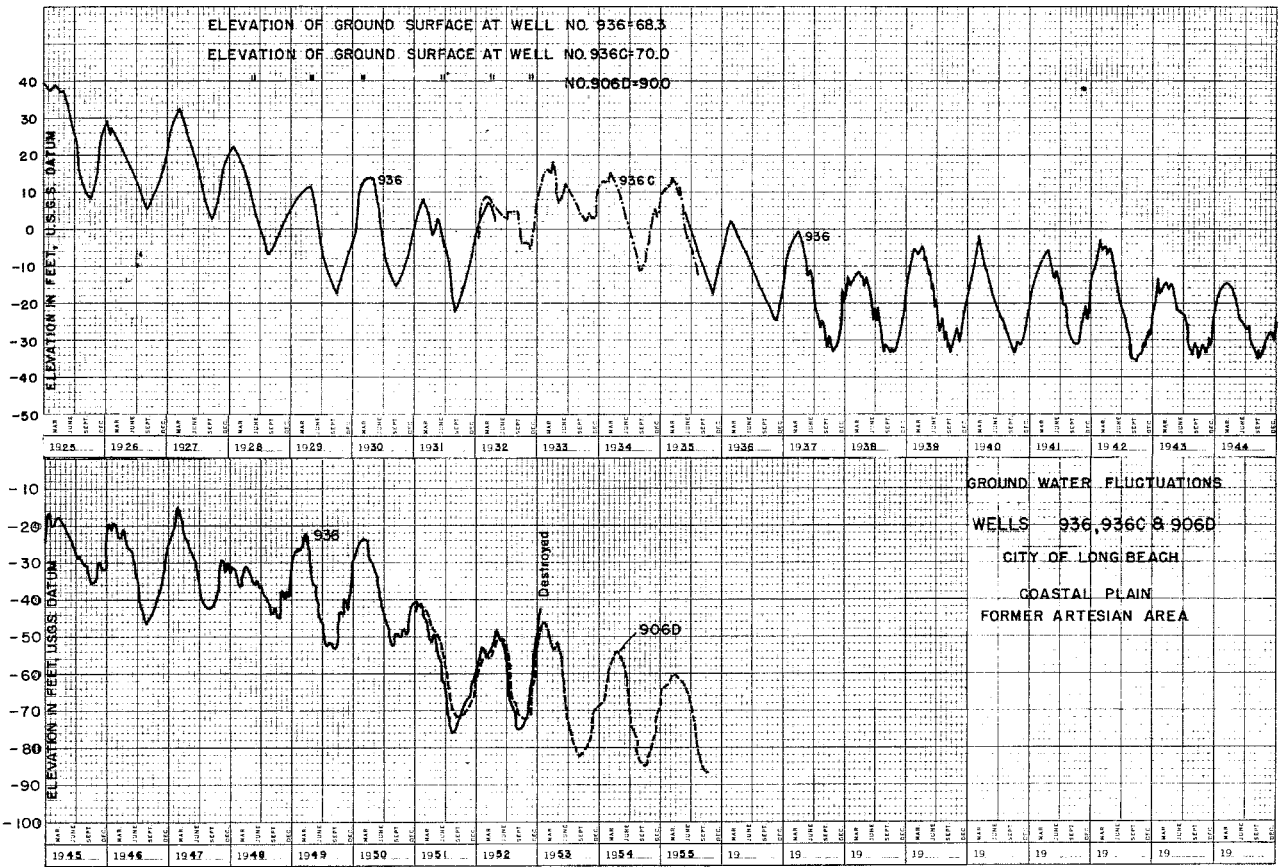


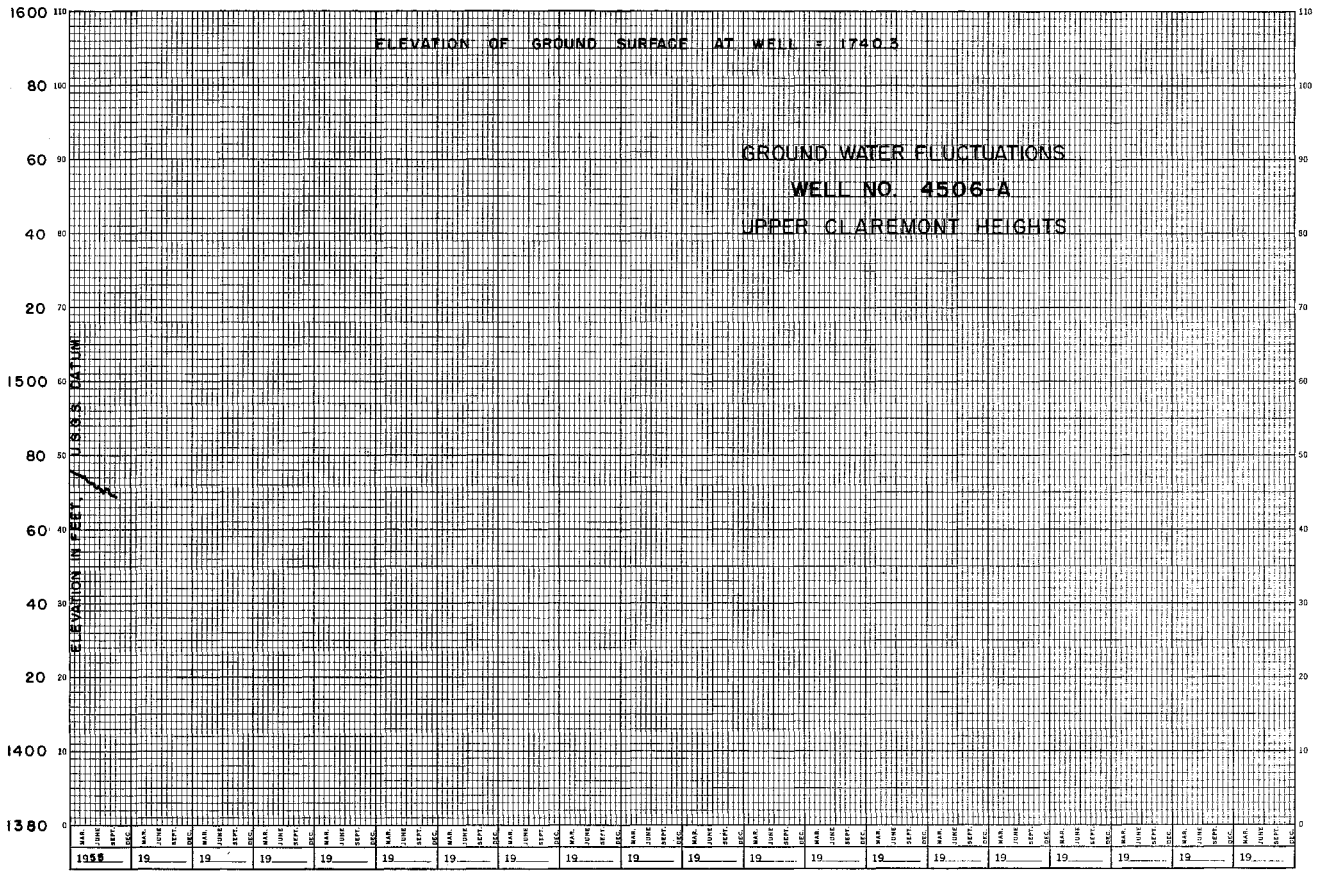


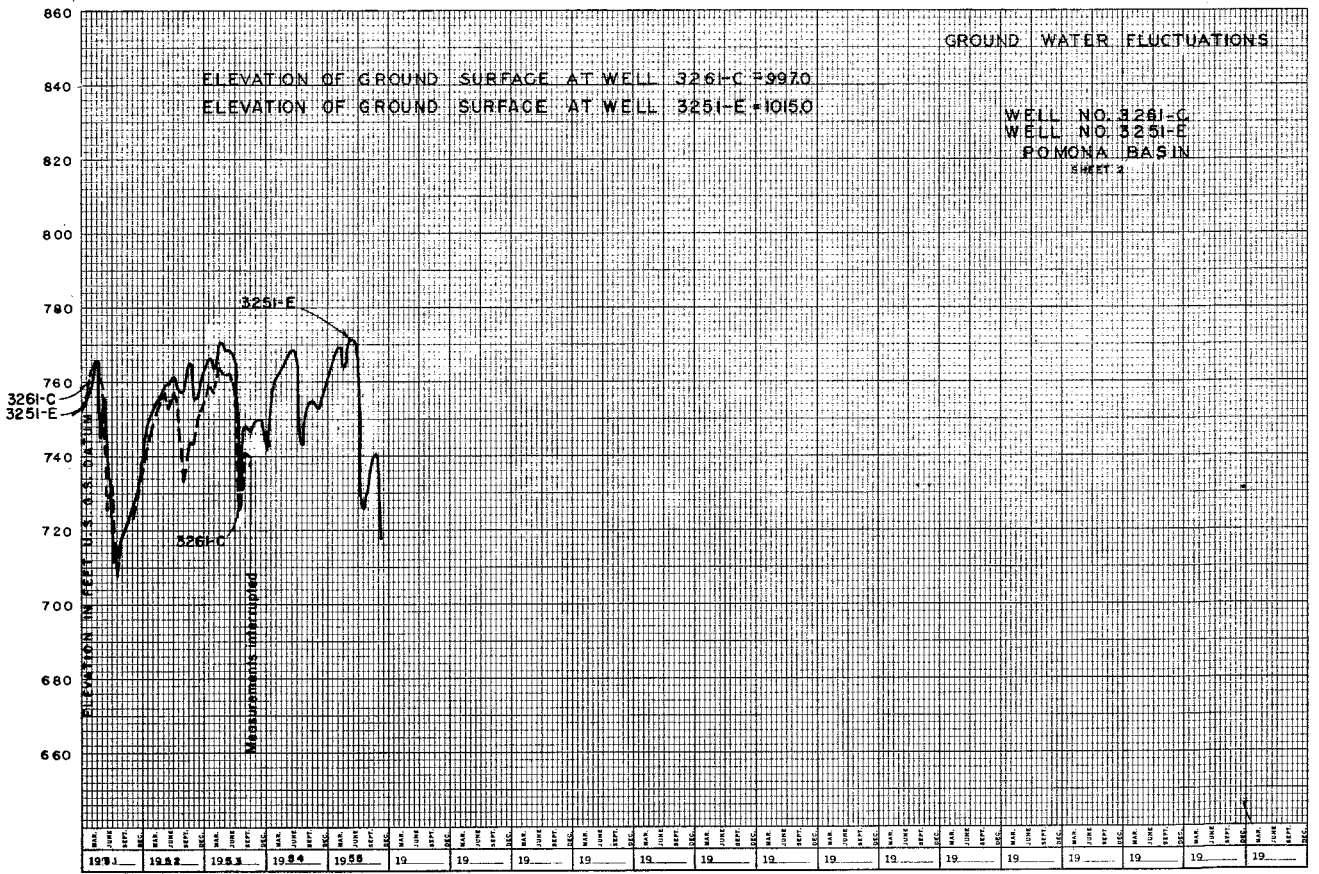
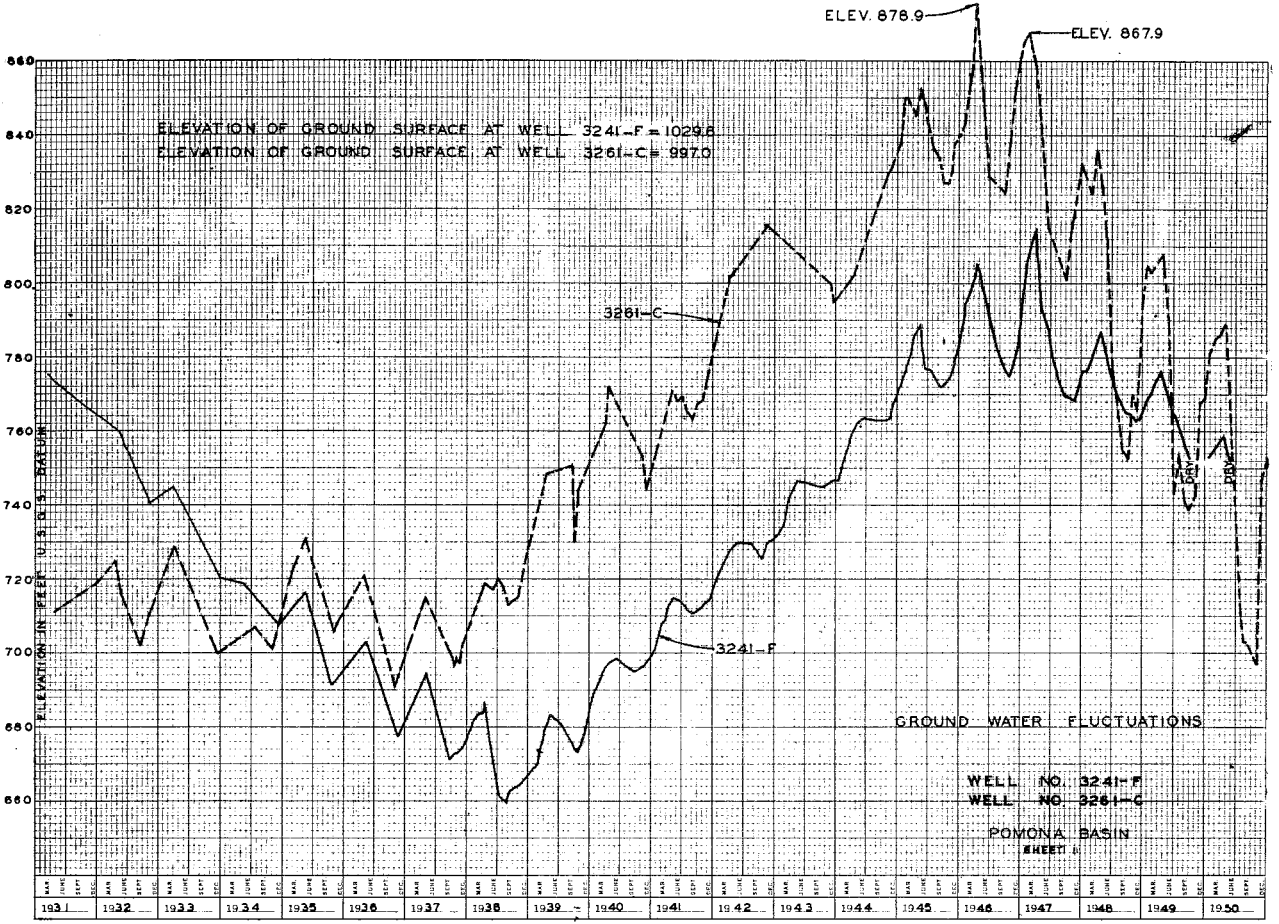




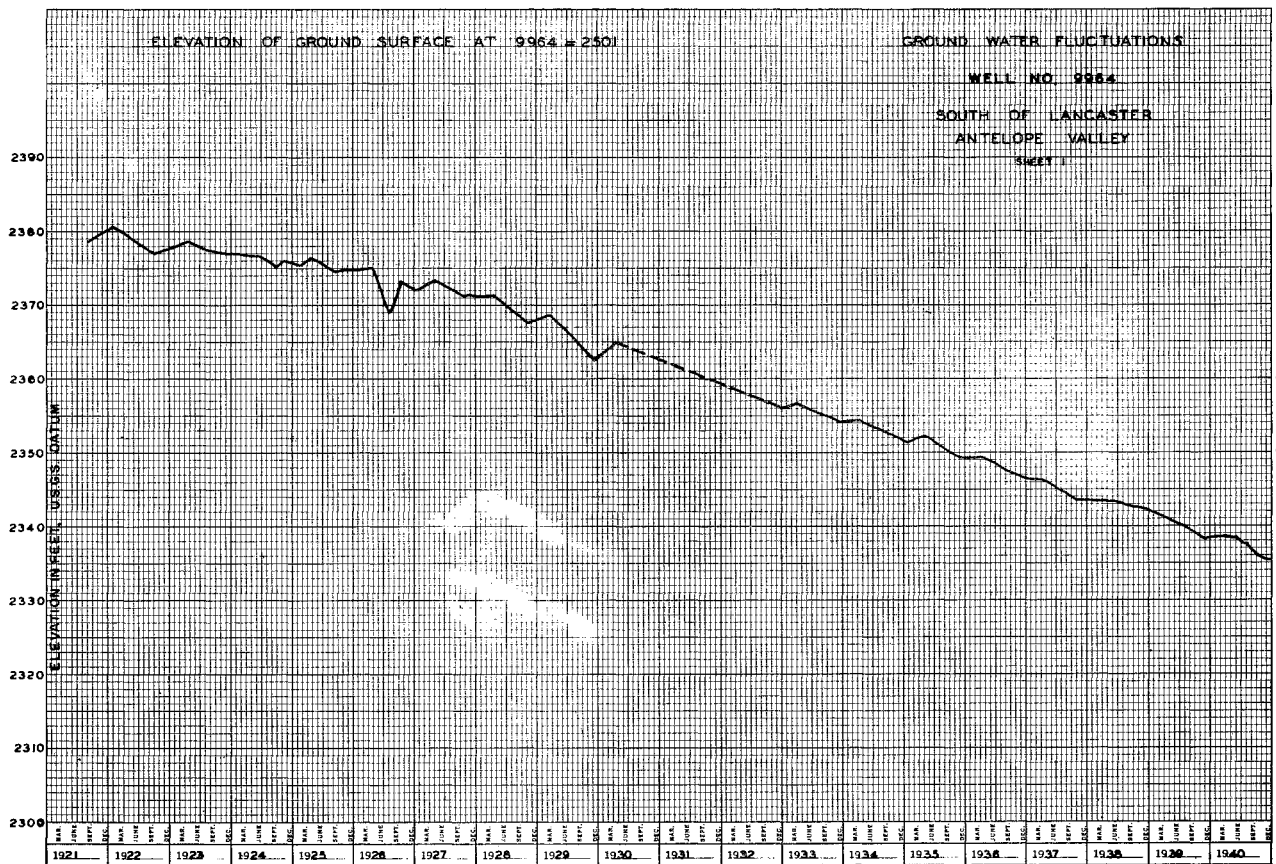
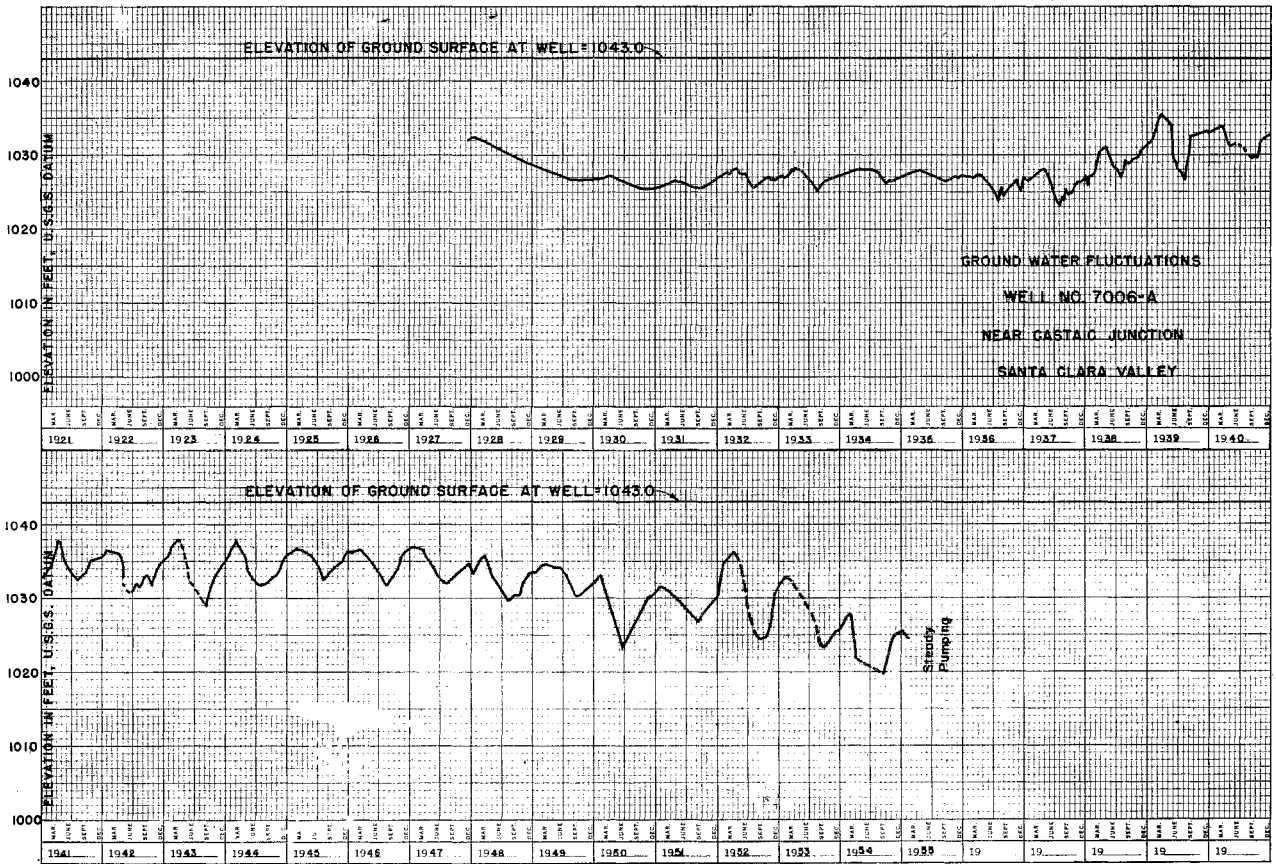


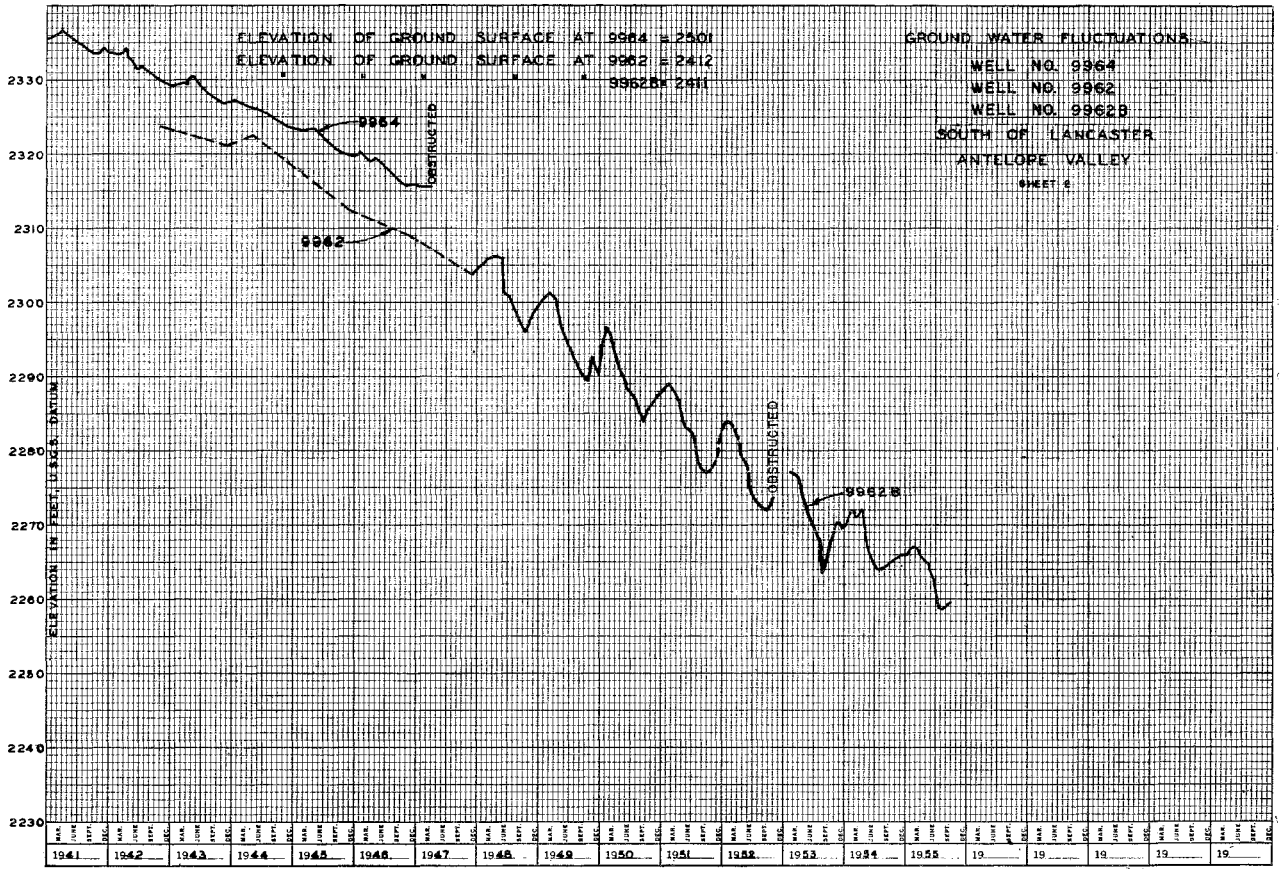


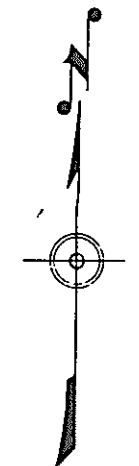
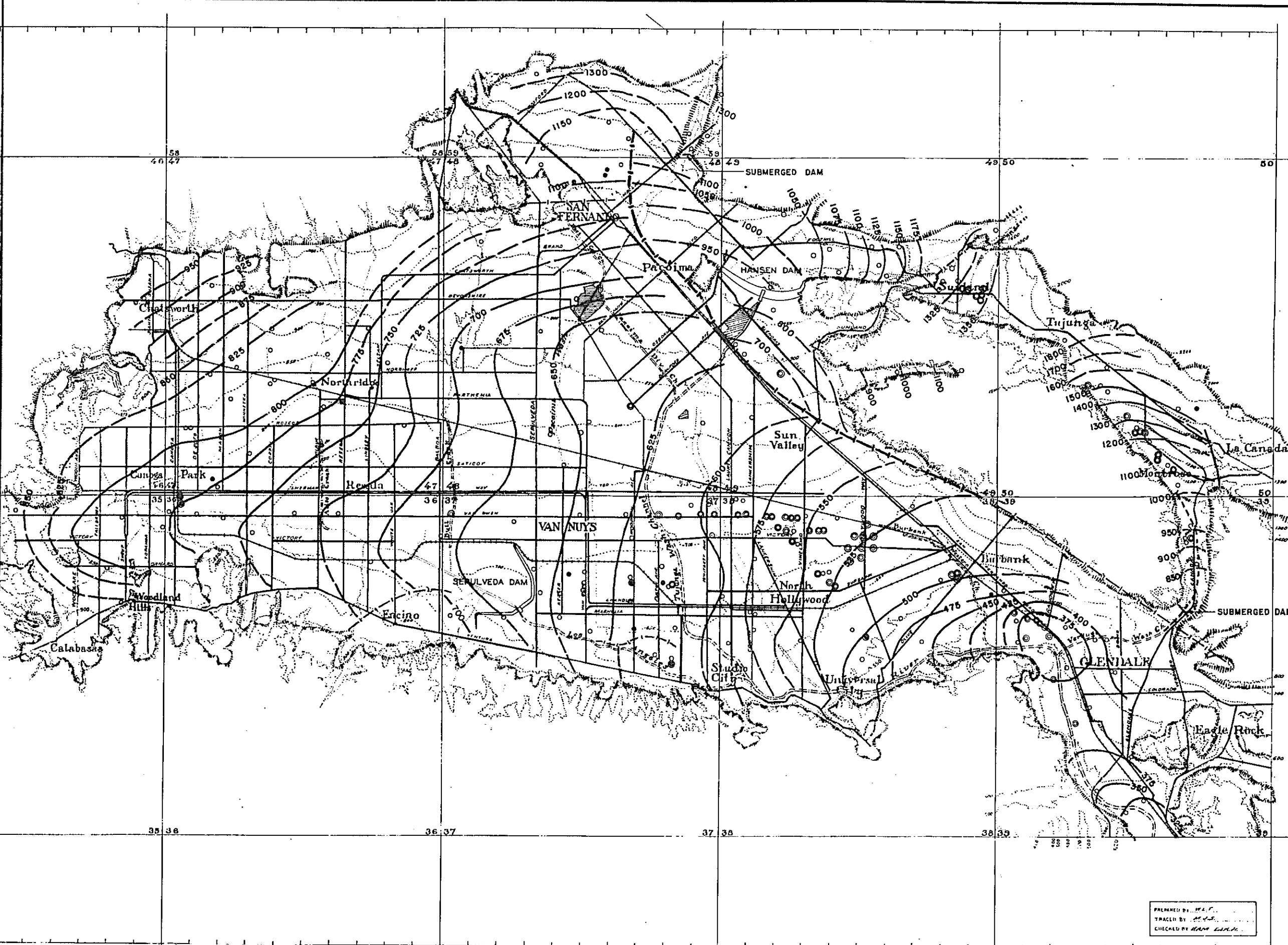












**LEGEND**

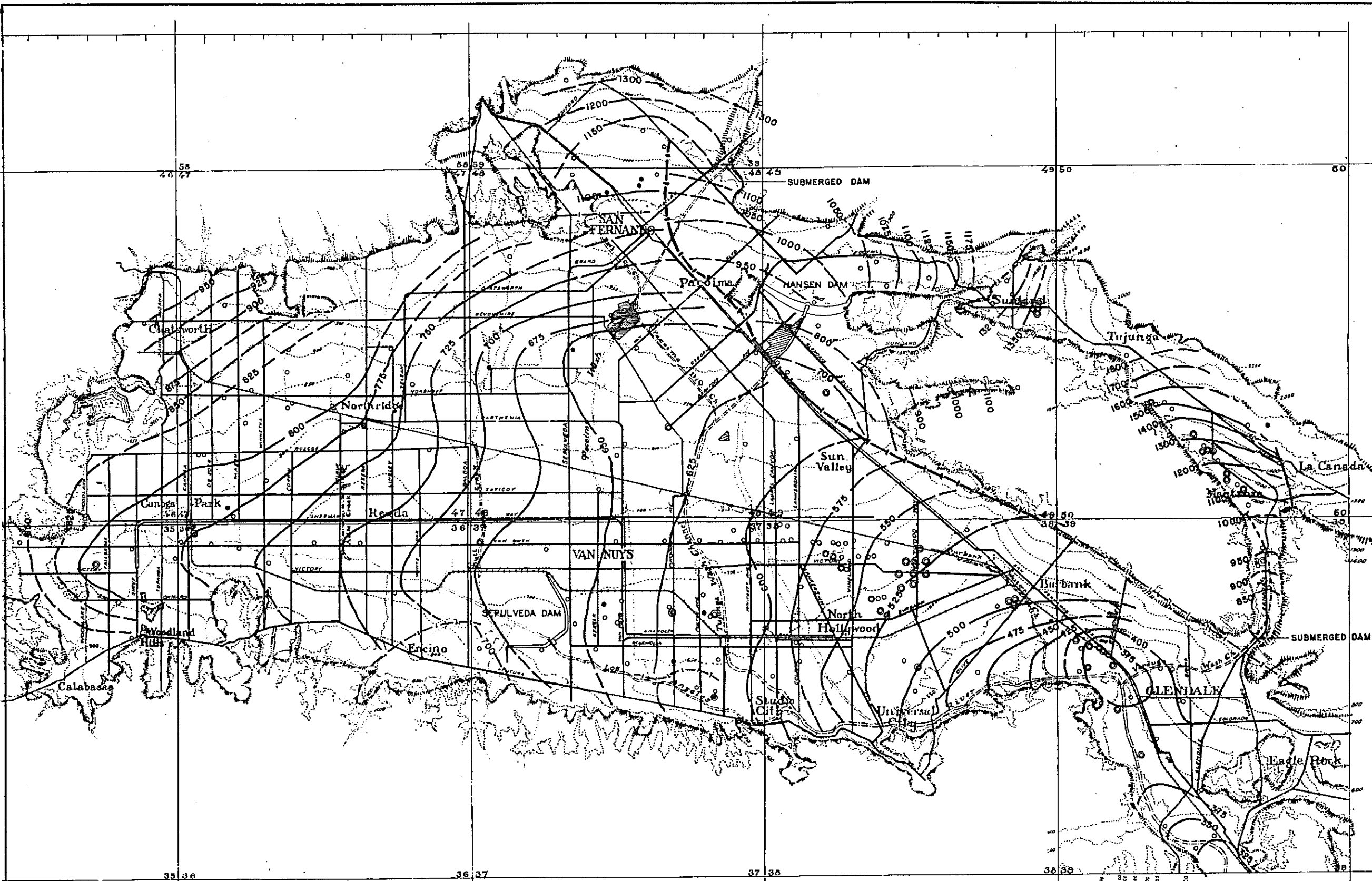
- Wells within an area representative of average ground water elevations of that area, having comparable depth of hole and elevation of perforation.
- ◐ Wells as above, except under heavy draught, or affected by heavy draught on nearby wells.
- ◑ Wells which differ from average wells for various reasons, such as artesian characteristics, damaged casing, surface inflow, insufficient data, and erratic fluctuations of water in well.
- ◒ Wells of shallow depth, with perched water indications.

Concrete Channel  
 Lines of equal free ground water levels or of equal pressures  
 Ditto, - location approximate  
 Faults and other barriers to free ground water movement.  
 Surface Contours  
 Spreading Grounds

Scale in Miles  
 F = Flowing Well  
**MAP V**

PREPARED BY: H.A.C.  
 TRACED BY: H.A.C.  
 CHECKED BY: H.A.C.

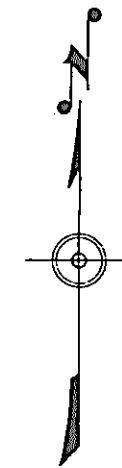
REVISIONS			LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
MARK	DATE	DESCRIPTION	
			<b>SAN FERNANDO VALLEY GROUND WATER CONTOURS</b> NOVEMBER 1953 APPROVED BY: <i>H.A.C.</i> 11/15/53 CHIEF ENGINEER
SUBMITTED BY:	RECOMMENDED BY:	SCALE:	DATE:
<i>Finley B. Lovell</i>	<i>Paul Newman</i>	GRAPHIC	AUG. 1953
NO. 19-H51		SHEET 1 OF 1	



34° 18'

34° 12'

34° 06'



LEGEND

- Wells within an area representative of average ground water elevations of that area, having comparable depth of hole and elevation of perforation.
- Wells as above, except under heavy draught, or affected by heavy draught on nearby wells.
- Wells which differ from average wells for various reasons, such as artesian characteristics, damaged casing, surface inflow, insufficient data, and erratic fluctuations of water in well.
- Wells of shallow depth, with perched water indications.

- Concrete Channel
- Lines of equal free ground water levels or of equal pressures
- - - Ditto, - location approximate
- Faults and other barriers to free ground water movement.
- Surface Contours
- ▨ Spreading Grounds

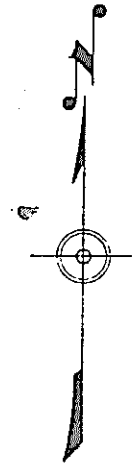
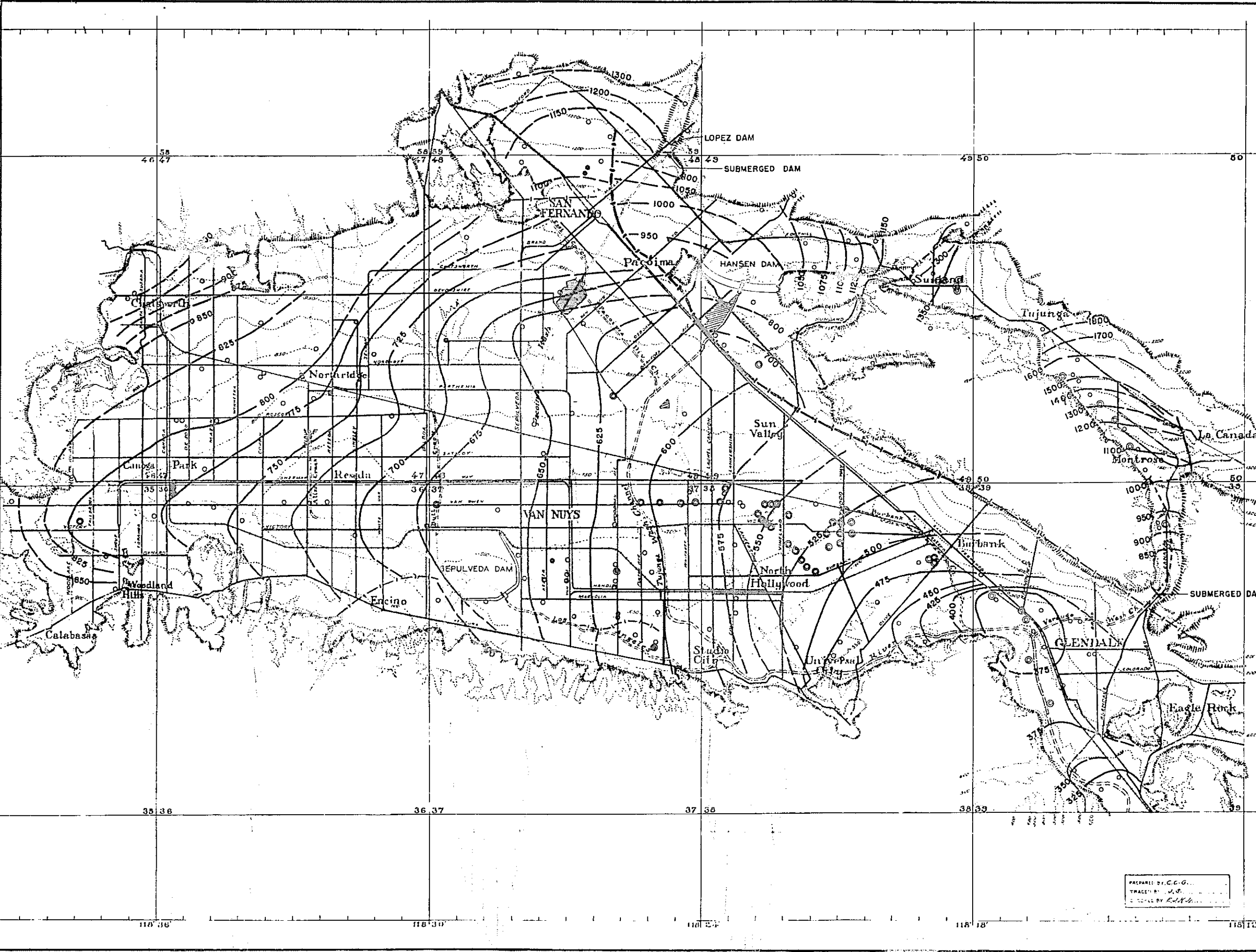
Scale in Miles

F = Flowing Well.

MAP VI

REVISIONS			LOS ANGELES COUNTY FLOOD CONTROL DISTRICT		
MARK	DATE	DESCRIPTION			
			SAN FERNANDO VALLEY GROUND WATER CONTOURS		
			APRIL 1954		
			APPROVED BY <i>[Signature]</i> CHIEF ENGINEER		
SUBMITTED BY <i>[Signature]</i> CHIEF HYDRAULIC DIVISION		RECOMMENDED BY <i>[Signature]</i> ASSISTANT CHIEF ENGINEER	SCALE GRAPHIC	DATE AUG. 1955	NO. 19-H52 SHEET 1 OF 1

PREPARED BY: H.C.A.  
TRACED BY: H.C.A.  
CHECKED BY: H.C.A.



**LEGEND**

- Wells within an area representative of average ground water elevations of that area, having comparable depth of hole and elevation of perforation.
- ◐ Wells as above, except under heavy draught, or affected by heavy draught on nearby wells.
- ◑ Wells which differ from average wells for various reasons, such as artesian characteristics, damaged casing, surface inflow, insufficient data, and erratic fluctuations of water in well.
- ◒ Wells of shallow depth, with perched water indications.

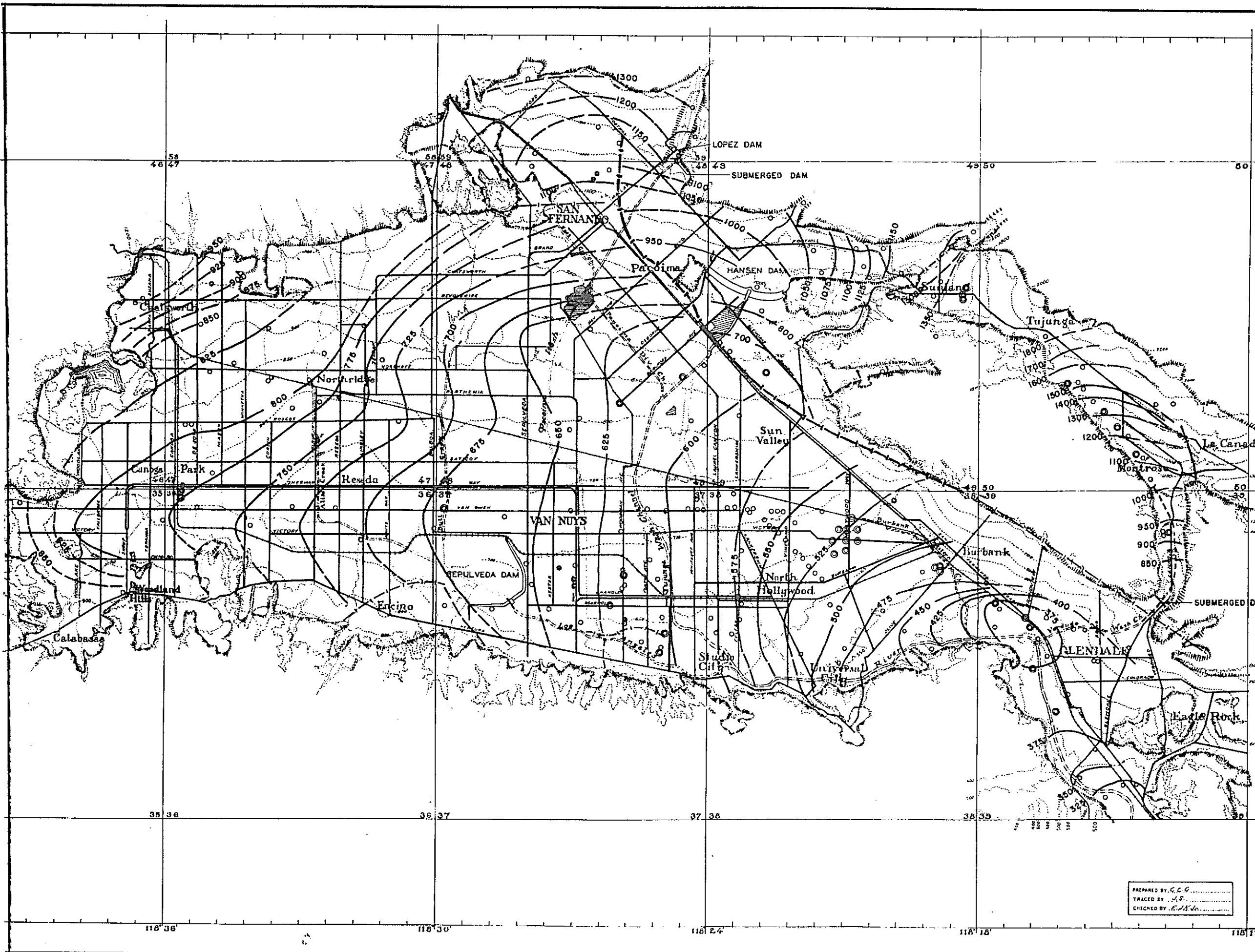
— Concrete Channel  
 ~ Lines of equal free ground water levels or of equal pressures  
 - - - Ditto, - location approximate  
 - - - Faults and other barriers to free ground water movement.  
 ~ Surface Contours  
 ▨ Spreading Grounds

Scale in Miles  
 F = Flowing Well.

**MAP VII**

REVISIONS			LOS ANGELES COUNTY FLOOD CONTROL DISTRICT	
MARK	DATE	DESCRIPTION	SAN FERNANDO VALLEY GROUND WATER CONTOURS NOVEMBER 1954	
			APPROVED BY: <i>H. Hedger</i> 11/1/54 CHIEF ENGINEER	
SUBMITTED BY: <i>Finley B. Lovitt</i>	RECOMMENDED BY: <i>Paul Bowman</i>	SCALE: GRAPHIC	DATE: AUG. 1955	NO. 19-H53 SHEET OF

PREPARED BY C.C.G.  
 TRACED BY J.S.  
 CHECKED BY R.H.L.



34° 18'

34° 12'

34° 08'

48 47

48 48

48 49

49 49

49 50

49 51

50

35 36

36 37

37 38

38 39

38 40

118° 27'

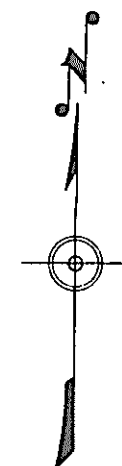
118° 28'

118° 29'

118° 30'

118° 31'

118° 32'



- LEGEND**
- Wells within an area representative of average ground water elevations of that area, having comparable depth of hole and elevation of perforation.
  - Wells as above, except under heavy draught, or affected by heavy draught on nearby wells.
  - Wells which differ from average wells for various reasons, such as artesian characteristics, damaged casing, surface inflow, insufficient data, and erratic fluctuations of water in well.
  - Wells of shallow depth, with perched water indications.

- Concrete Channel
- Lines of equal free ground water levels or of equal pressures
- Ditto, - location approximate
- Faults and other barriers to free ground water movement.
- Surface Contours
- Spreading Grounds

Scale in Miles

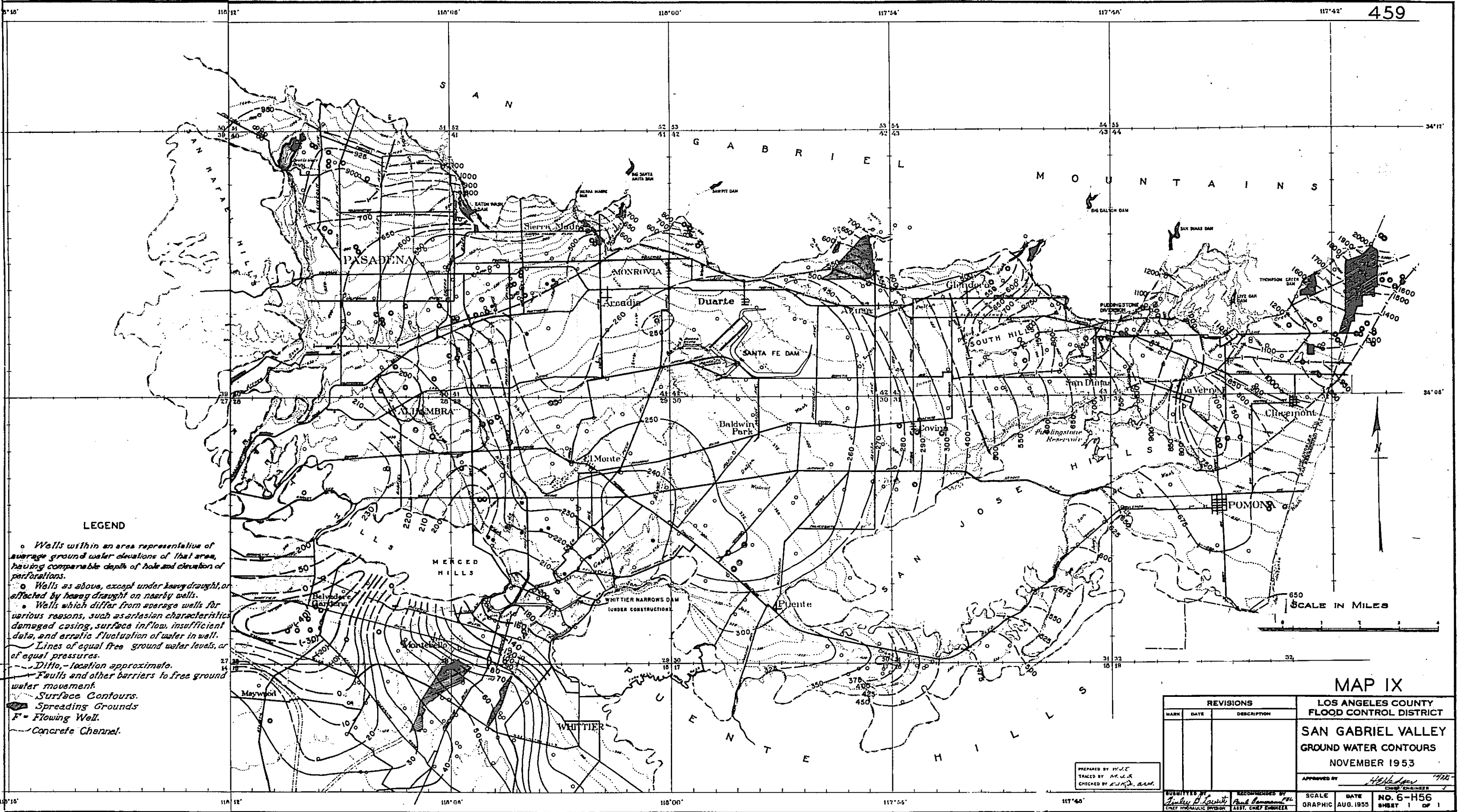
1" = 1 Mile

F = Flowing Well.

**MAP VIII**

REVISIONS			LOS ANGELES COUNTY FLOOD CONTROL DISTRICT	
MARK	DATE	DESCRIPTION		
			SAN FERNANDO VALLEY GROUND WATER CONTOURS APRIL, 1955	
APPROVED BY			CHIEF ENGINEER	
SUBMITTED BY			RECOMMENDED BY	
DATE			SCALE	
GRAPHIC			NO. 19-H 54	
AUG. 1955			SHEET OF	

PREPARED BY G.C.G.  
 TRACED BY M.S.  
 CHECKED BY R.W.V.



LEGEND

- Wells within an area representative of average ground water elevations of that area, having comparable depths 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 isolation 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.

SCALE IN MILES

MAP IX

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

SAN GABRIEL VALLEY GROUND WATER CONTOURS NOVEMBER 1953

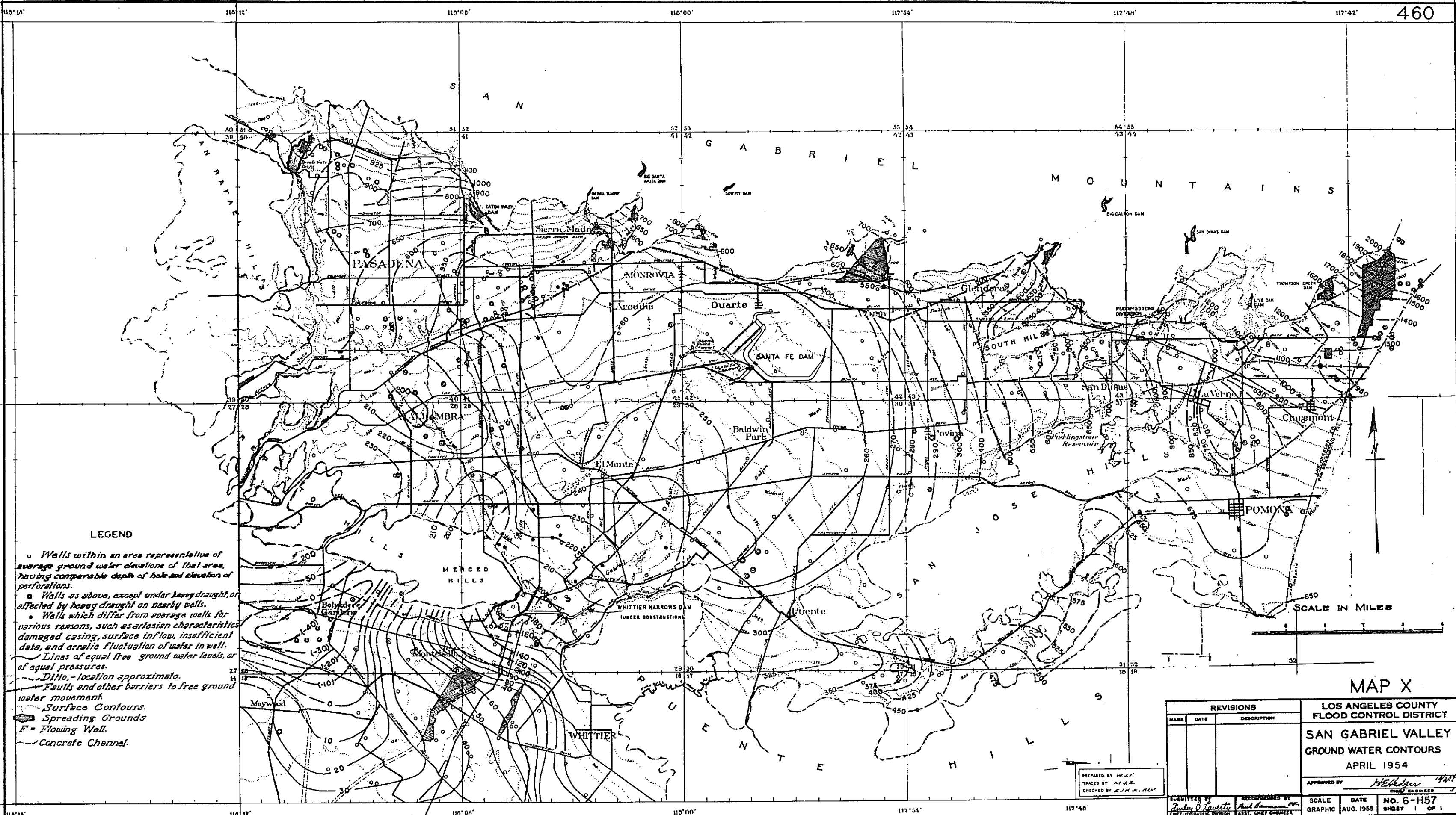
APPROVED BY *[Signature]* CHIEF ENGINEER

REVISIONS		
MARK	DATE	DESCRIPTION

SCALE GRAPHIC AUG. 1953 NO. 6-H56 SHEET 1 OF 1

PREPARED BY H.W.C.  
 TRACED BY M.W.C.  
 CHECKED BY G.W.C.

SUBMITTED BY *[Signature]* CHIEF HYDRAULIC DIVISION  
 REVISIONS BY *[Signature]* ASST. CHIEF ENGINEER



LEGEND

- Wells within an area representative of average ground water elevations of that area, having comparable depths of hole and elevation of perforations.
- Wells as above, except under heavy drought, or affected by heavy drought 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.

SCALE IN MILES

MAP X

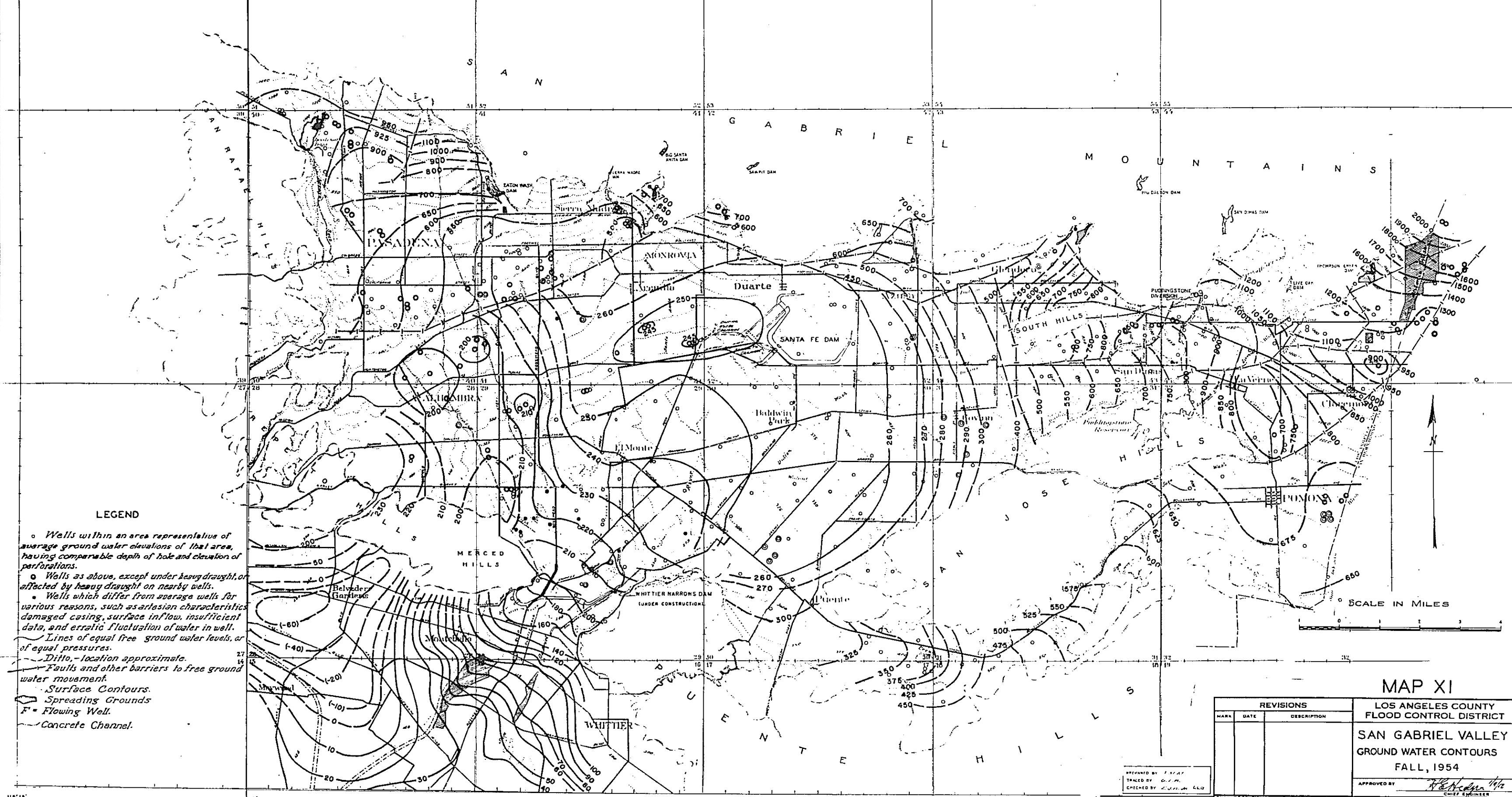
LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
SAN GABRIEL VALLEY  
GROUND WATER CONTOURS  
APRIL 1954

REVISIONS		
MARK	DATE	DESCRIPTION

PREPARED BY M.W.T.  
TRACED BY A.L.S.  
CHECKED BY E.J.H., A.M.

APPROVED BY *H. Hedger* 1954  
SUBMITTED BY *Amber O. Lovitt*  
RECOMMENDED BY *Paul C. ...*  
SCALE GRAPHIC DATE AUG. 1955 NO. 6-H57 SHEET 1 OF 1





**LEGEND**

- Wells within an area representative of average ground water elevations of that area, having comparable depth of hole and elevation of perforations.
- Wells as above, except under heavy draught, or affected by heavy draught on nearby wells.
- Wells which differ from average wells for various reasons, such as artesian characteristics, damaged casing, surface inflow, insufficient data, and erratic fluctuation of water in well.
- Lines of equal free ground water levels, or of equal pressures.
- - - Ditto, - location approximate.
- - - Faults and other barriers to free ground water movement.
- Surface Contours.
- Spreading Grounds.
- F = Flowing Well.
- Concrete Channel.

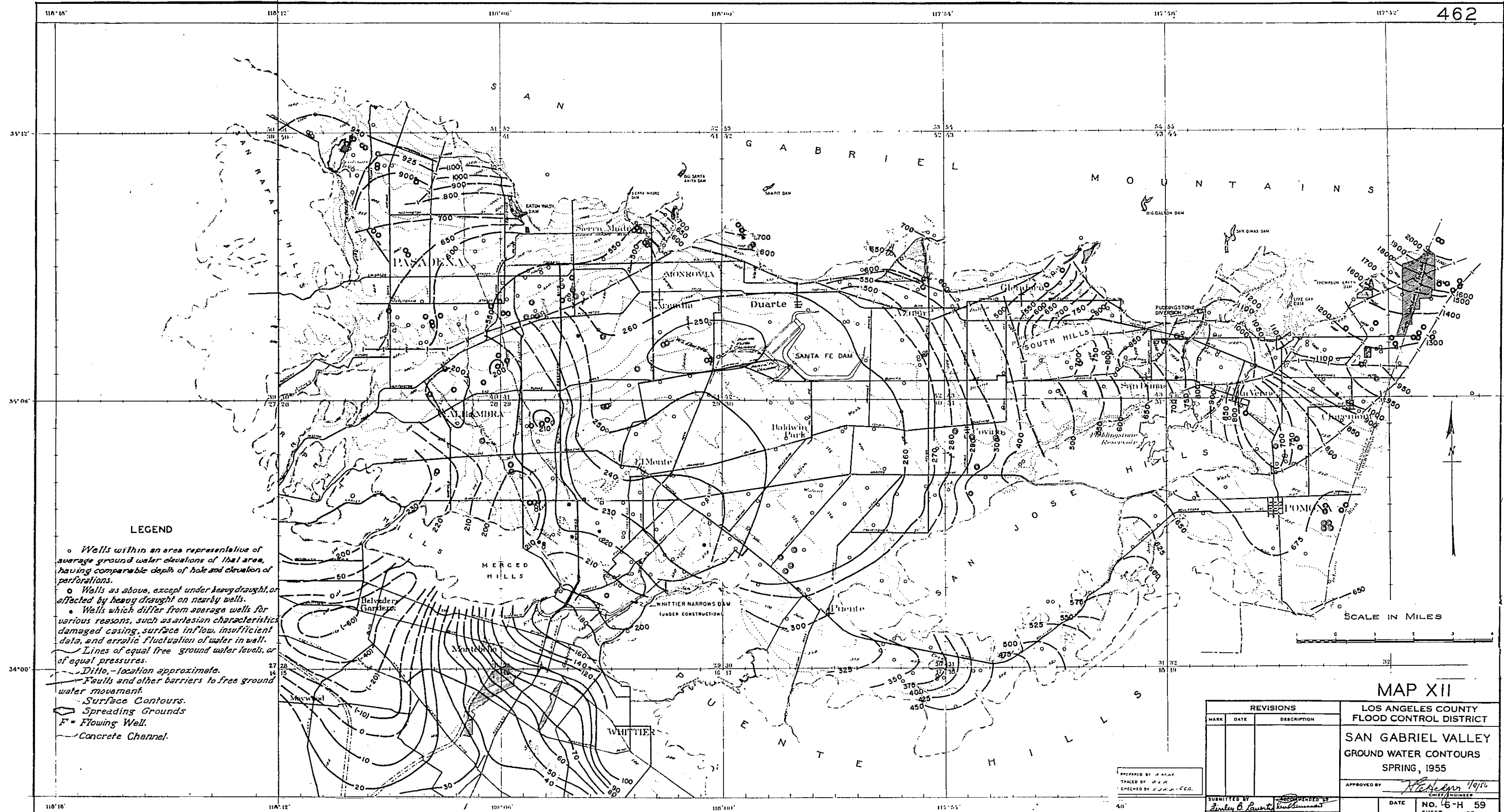
REVISIONS		
MARK	DATE	DESCRIPTION

**MAP XI**  
 LOS ANGELES COUNTY  
 FLOOD CONTROL DISTRICT  
**SAN GABRIEL VALLEY**  
 GROUND WATER CONTOURS  
 FALL, 1954

APPROVED BY: *[Signature]*  
 CHIEF ENGINEER

PREPARED BY: *[Signature]*  
 TRACED BY: *[Signature]*  
 CHECKED BY: *[Signature]*

SUBMITTED BY: *[Signature]* ASSIST. CHIEF ENGINEER  
 SCALE: GRAPHIC  
 DATE: AUG 1955  
 NO. 6-H58  
 SHEET OF



LEGEND

- Wells within an area representative of average ground water elevations of that area, having comparable depths 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.

SCALE IN MILES

MAP XII

LOS ANGELES COUNTY  
FLOOD CONTROL DISTRICT  
SAN GABRIEL VALLEY  
GROUND WATER CONTOURS  
SPRING, 1955

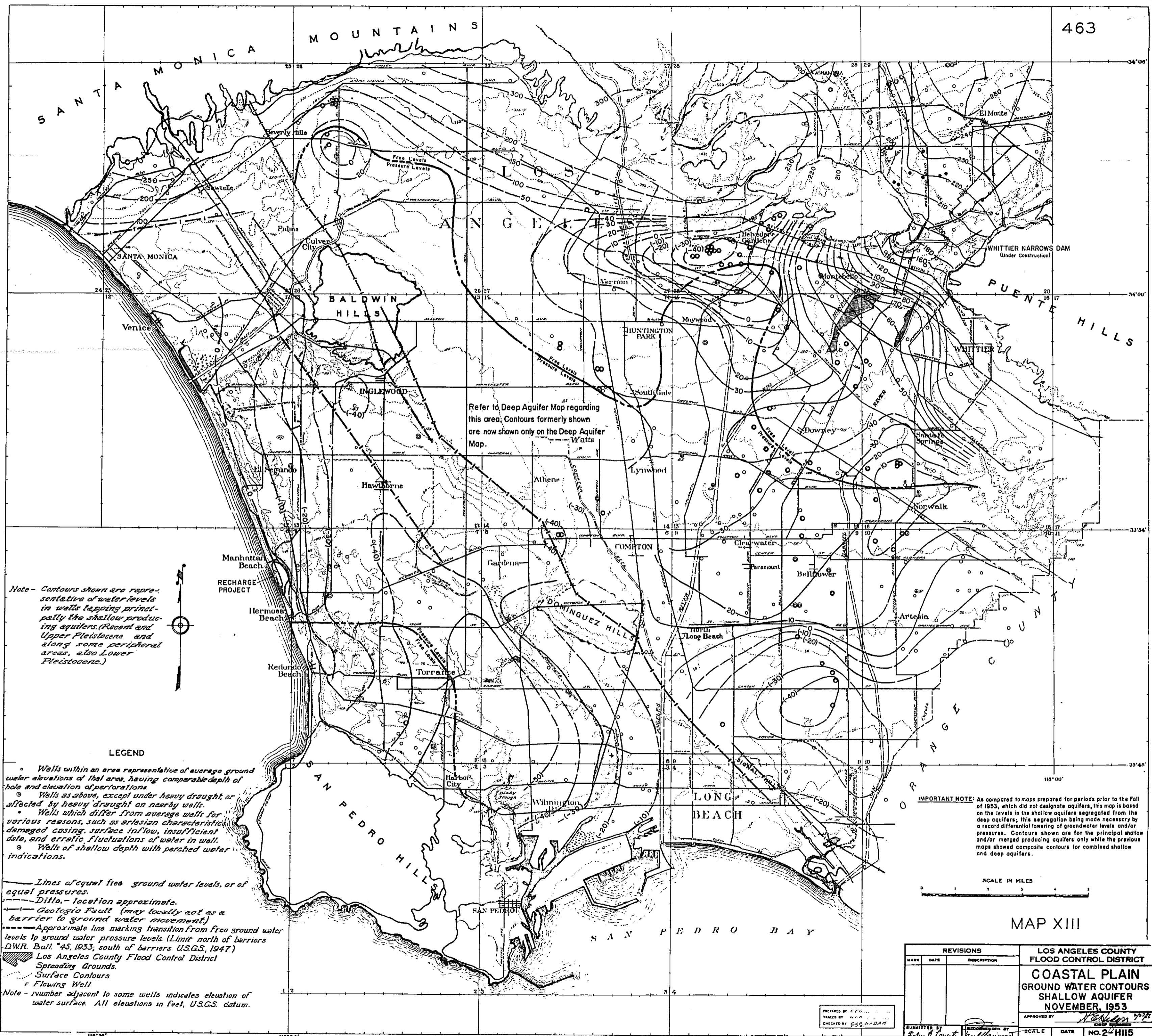
APPROVED BY *[Signature]* CHIEF ENGINEER

REVISIONS		
MARK	DATE	DESCRIPTION

PREPARED BY *[Signature]*  
TRACED BY *[Signature]*  
CHECKED BY *[Signature]*

SUBMITTED BY *[Signature]* CHIEF HYDRAULIC DIVISION  
APPROVED BY *[Signature]* ASST. CHIEF ENGINEER

DATE NO. 6-H 59  
SHEET OF



Note - Contours shown are representative of water levels in wells tapping principally the shallow producing aquifers. (Recent and Upper Pleistocene and along some peripheral areas, also Lower Pleistocene.)

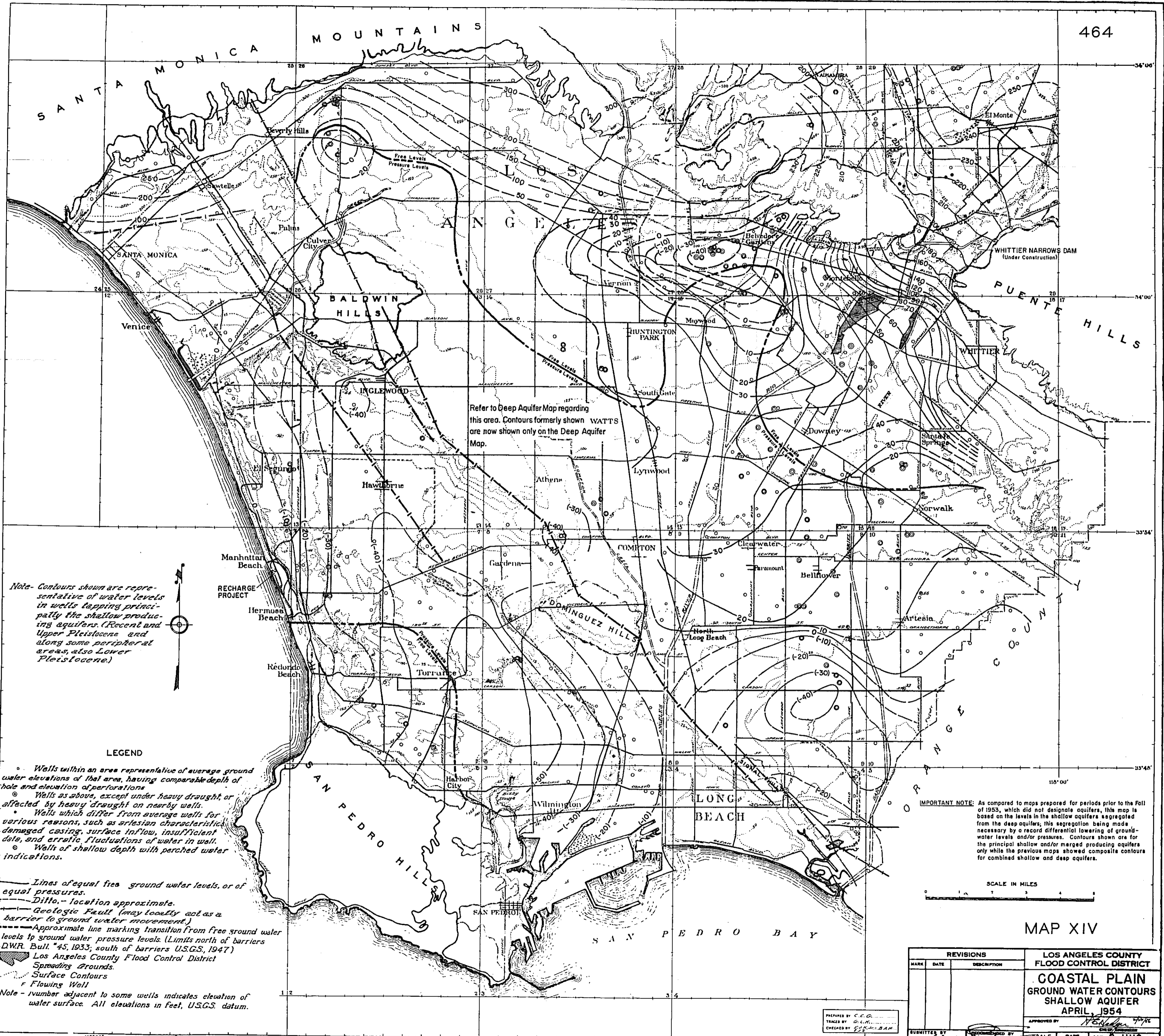
- LEGEND**
- Wells within an area representative of average ground water elevations of that area, having comparable depth of hole and elevation of perforations.
  - Wells as above, except under heavy draught, or affected by heavy draught on nearby wells.
  - Wells which differ from average wells for 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.
  - Lines of equal free ground water levels, or of equal pressures.
  - - - Ditto, - location approximate.
  - - - Geologic Fault (may locally act as a barrier to ground water movement)
  - - - Approximate line marking transition from free ground water levels to ground water pressure levels. (Limit north of barriers DWR. Bull. #45, 1933; south of barriers U.S.G.S., 1947)
  - ▨ Los Angeles County Flood Control District Spreading Grounds
  - Surface Contours
  - Flowing Well
- Note - Number adjacent to some wells indicates elevation of water surface. All elevations in feet, U.S.G.S. datum.

**IMPORTANT NOTE:** As compared to maps prepared for periods prior to the Fall of 1953, which did not designate aquifers, this map is based on the levels in the shallow aquifers segregated from the deep aquifers; this segregation being made necessary by a record differential lowering of groundwater levels and/or pressures. Contours shown are for the principal shallow and/or merged producing aquifers only while the previous maps showed composite contours for combined shallow and deep aquifers.



MAP XIII

REVISIONS			LOS ANGELES COUNTY FLOOD CONTROL DISTRICT	
MARK	DATE	DESCRIPTION		
			<b>COASTAL PLAIN GROUND WATER CONTOURS SHALLOW AQUIFER NOVEMBER, 1953</b>	
			APPROVED BY: <i>[Signature]</i>	
			SUBMITTED BY: <i>[Signature]</i>	
			CHECKED BY: <i>[Signature]</i>	
			SCALE: NO. 24 H115 DATE: AUG 1955 SHEET: 1 OF 1	



Refer to Deep Aquifer Map regarding this area. Contours formerly shown WATTS are now shown only on the Deep Aquifer Map.

Note - Contours shown are representative of water levels in wells tapping principally the shallow producing aquifers. (Recent and Upper Pleistocene and along some peripheral areas, also Lower Pleistocene)

**LEGEND**

- Wells within an area representative of average ground water elevations of that area, having comparable depth of hole and elevation of perforations
- ⊙ Wells as above, except under heavy draught, or affected by heavy draught on nearby wells.
- ⊙ Wells which differ from average wells for various reasons, such as artesian characteristics, damaged casing, surface inflow, insufficient dele, and erratic fluctuations of water in well.
- ⊙ Wells of shallow depth with perched water indications.
- Lines of equal free ground water levels, or of equal pressures.
- - - Diffe. - location approximate.
- - - Geologic Fault (may locally act as a barrier to ground water movement.)
- - - Approximate line marking transition from free ground water levels to ground water pressure levels. (Limits north of barriers DWR. Bull. #45, 1933; south of barriers U.S.G.S., 1947)
- ▨ Los Angeles County Flood Control District Spreading Grounds.
- ⊙ Surface Contours
- ⊙ Flowing Well

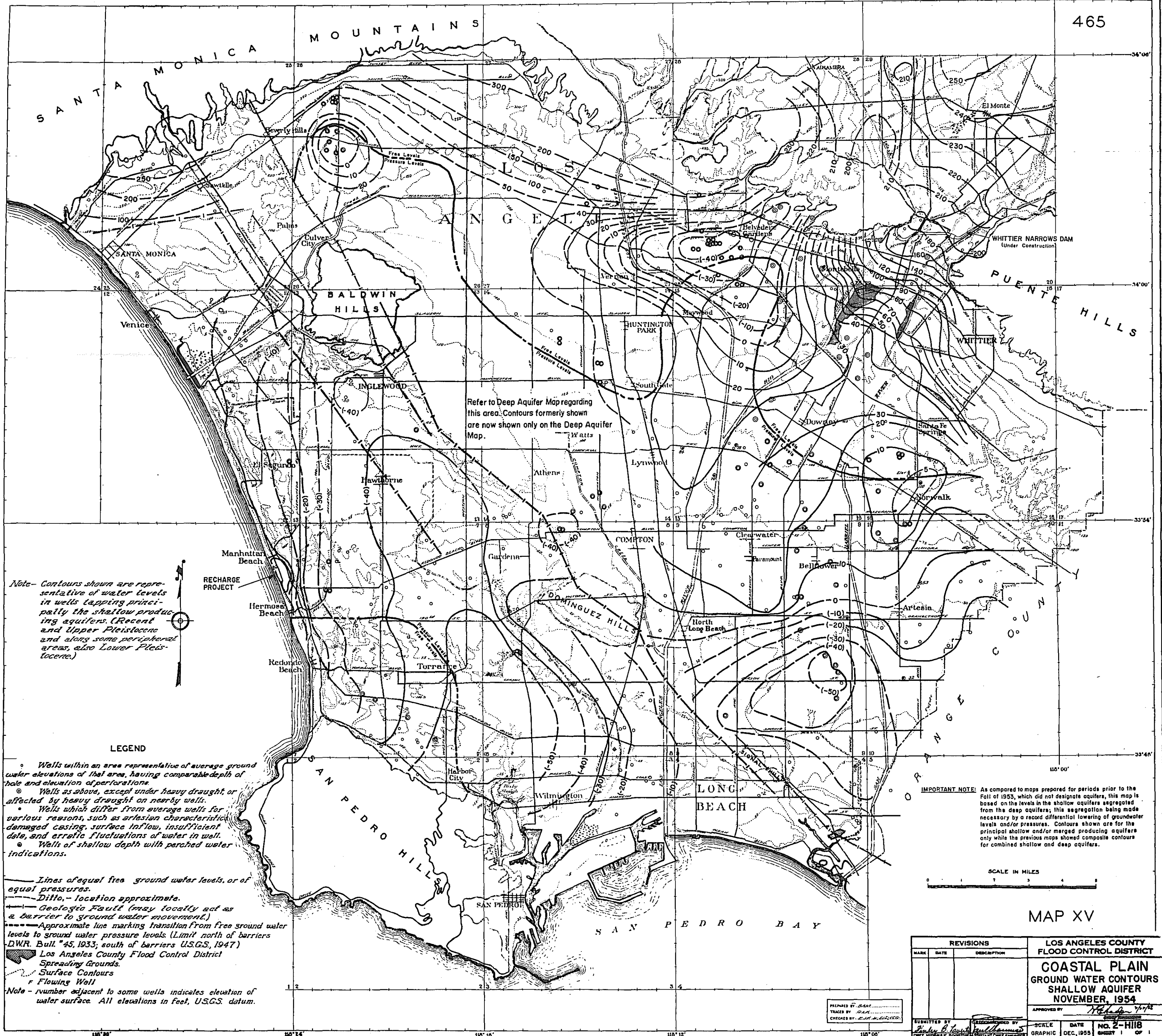
Note - Number adjacent to some wells indicates elevation of water surface. All elevations in feet, U.S.G.S. datum.

**IMPORTANT NOTE:** As compared to maps prepared for periods prior to the Fall of 1953, which did not designate aquifers, this map is based on the levels in the shallow aquifers segregated from the deep aquifers; this segregation being made necessary by a record differential lowering of ground-water levels and/or pressures. Contours shown are for the principal shallow and/or merged producing aquifers only while the previous maps showed composite contours for combined shallow and deep aquifers.



MAP XIV

REVISIONS			LOS ANGELES COUNTY FLOOD CONTROL DISTRICT	
MARK	DATE	DESCRIPTION	COASTAL PLAIN GROUND WATER CONTOURS SHALLOW AQUIFER APRIL, 1954	
			APPROVED BY: <i>[Signature]</i>	
SUBMITTED BY: <i>[Signature]</i>			SCALE: GRAPHIC	DATE: AUG. 1955
CHECKED BY: <i>[Signature]</i>			NO. 2-H116	SHEET 1 OF 1



Refer to Deep Aquifer Map regarding this area. Contours formerly shown are now shown only on the Deep Aquifer Map.

Note- Contours shown are representative of water levels in wells tapping principally the shallow producing aquifers. (Recent and along some peripheral areas, also Lower Pleistocene.)

**LEGEND**

- Wells within an area representative of average ground water elevations of that area, having comparable depth of hole and elevation of perforations.
- Wells as above, except under heavy draught, or affected by heavy 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.

— Lines of equal free ground water levels, or of equal pressures.

- - - Ditto, - location approximate.

— Geologic Fault (may locally act as a barrier to ground water movement).

- - - Approximate line marking transition from free ground water levels to ground water pressure levels. (Limit north of barriers D.W.R. Bull. #45, 1933; south of barriers U.S.G.S., 1947)

▨ Los Angeles County Flood Control District Spreading Grounds.

○ Surface Contours

⊕ Flowing Well

Note - number adjacent to some wells indicates elevation of water surface. All elevations in feet, U.S.G.S. datum.

**IMPORTANT NOTE:** As compared to maps prepared for periods prior to the Fall of 1953, which did not designate aquifers, this map is based on the levels in the shallow aquifers segregated from the deep aquifers; this segregation being made necessary by a record differential lowering of groundwater levels and/or pressures. Contours shown are for the principal shallow and/or merged producing aquifers only while the previous maps showed composite contours for combined shallow and deep aquifers.

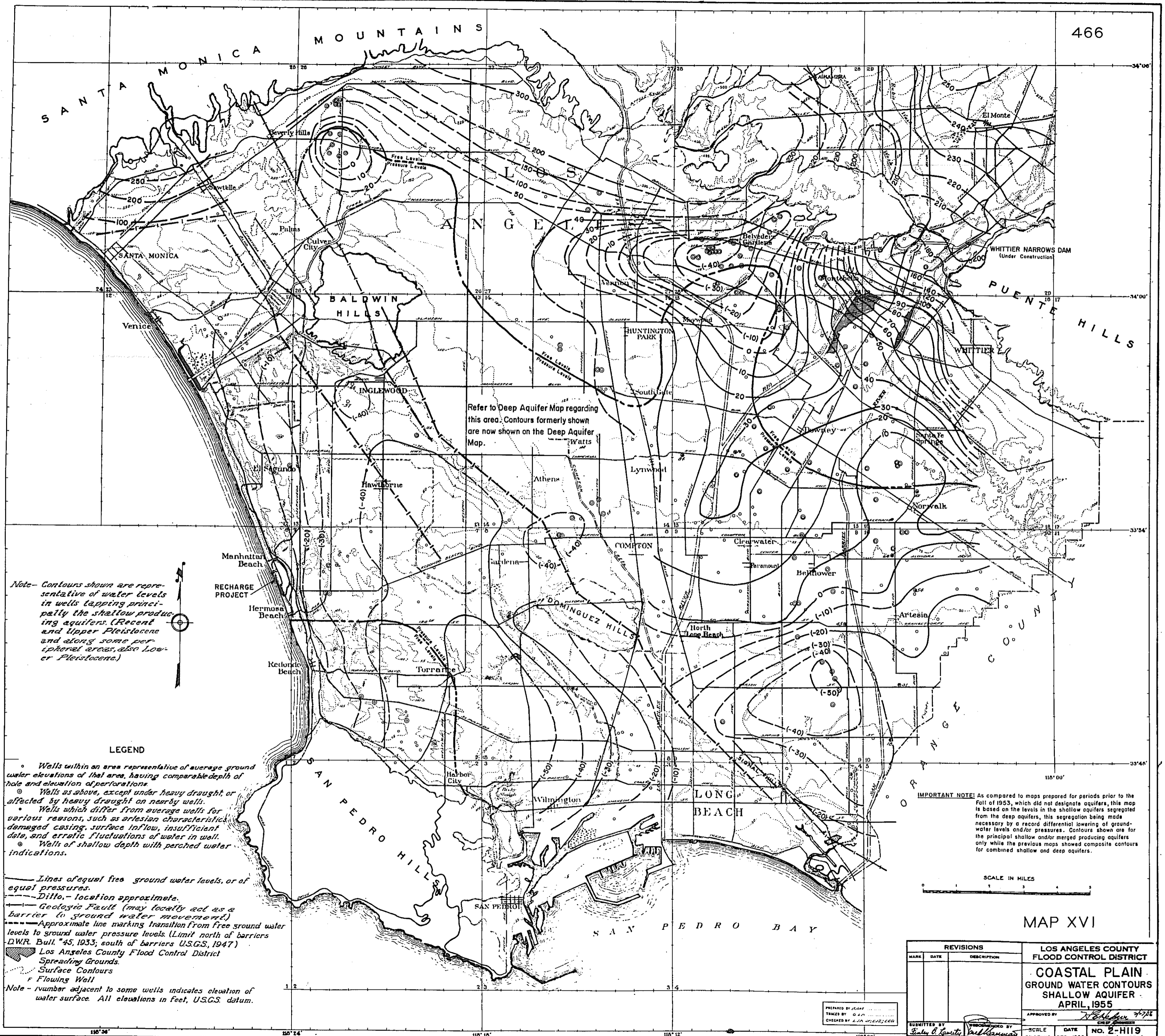


MAP XV

REVISIONS			LOS ANGELES COUNTY FLOOD CONTROL DISTRICT	
MARK	DATE	DESCRIPTION		

<b>COASTAL PLAIN GROUND WATER CONTOURS SHALLOW AQUIFER NOVEMBER, 1954</b>	
PREPARED BY: G.A. ... TRACED BY: G.A. ... CHECKED BY: G.A. ...	APPROVED BY: <i>[Signature]</i> DATE: DEC. 1955 NO. 2-1118 SHEET 1 OF 1



Refer to Deep Aquifer Map regarding this area. Contours formerly shown are now shown on the Deep Aquifer Map.

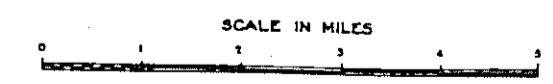
Note - Contours shown are representative of water levels in wells tapping principally the shallow producing aquifers. (Recent and Upper Pleistocene and along some peripheral areas, also Lower Pleistocene.)

**LEGEND**

- Wells within an area representative of average ground water elevations of that area, having comparable depth of hole and elevation of perforations
- ⊙ Wells as above, except under heavy drought, or affected by heavy drought on nearby wells.
- Wells which differ from average wells for various reasons, such as erosion characteristic, damaged casing, surface inflow, insufficient date, and erratic fluctuations of water in well.
- ⊙ Wells of shallow depth with perched water indications.
- Lines of equal free ground water levels, or of equal pressures.
- - - Ditto - location approximate.
- Geologic Fault (may locally act as a barrier to ground water movement)
- - - Approximate line marking transition from free ground water levels to ground water pressure levels. (Limit north of barriers DWR. Bull. 45, 1933; south of barriers USGS, 1947)
- ▨ Los Angeles County Flood Control District Spreading Grounds.
- Surface Contours
- ⊕ Flowing Well

Note - Number adjacent to some wells indicates elevation of water surface. All elevations in feet, USGS datum.

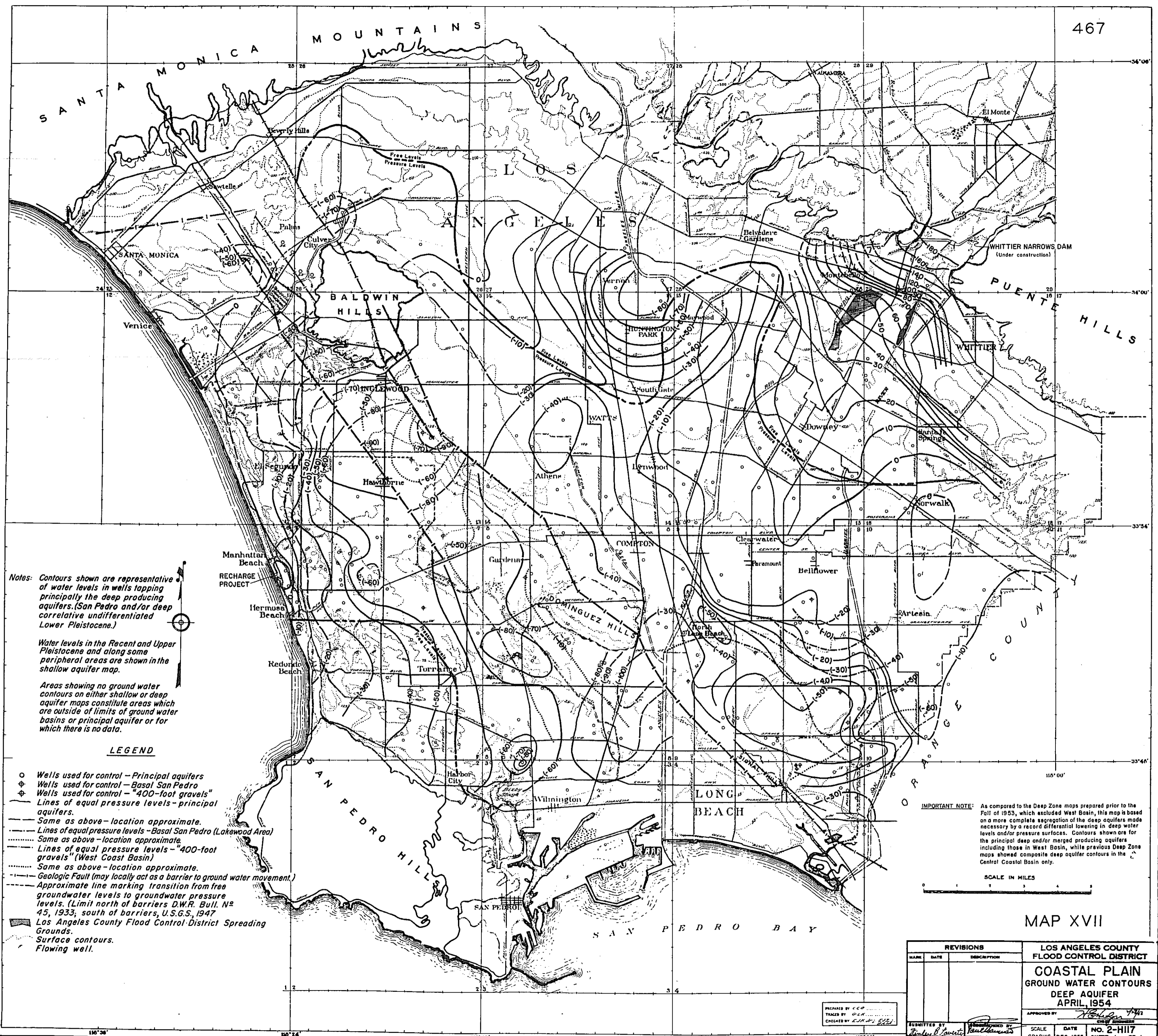
**IMPORTANT NOTE:** As compared to maps prepared for periods prior to the Fall of 1953, which did not designate aquifers, this map is based on the levels in the shallow aquifers segregated from the deep aquifers, this segregation being made necessary by a record differential lowering of ground-water levels and/or pressures. Contours shown are for the principal shallow and/or merged producing aquifers only while the previous maps showed composite contours for combined shallow and deep aquifers.



MAP XVI

REVISIONS			LOS ANGELES COUNTY FLOOD CONTROL DISTRICT	
MARK	DATE	DESCRIPTION		
			<b>COASTAL PLAIN GROUND WATER CONTOURS SHALLOW AQUIFER - APRIL, 1955</b>	
			APPROVED BY: <i>[Signature]</i>	
SUBMITTED BY: <i>[Signature]</i>			SCALE: GRAPHIC	DATE: DEC, 1955
CHECKED BY: <i>[Signature]</i>			NO. 2-H119 SHEET 1 OF 1	

PREPARED BY: *[Signature]*  
 TRACED BY: *[Signature]*  
 CHECKED BY: *[Signature]*



Notes: Contours shown are representative of water levels in wells tapping principally the deep producing aquifers. (San Pedro and/or deep correlative undifferentiated Lower Pleistocene.)

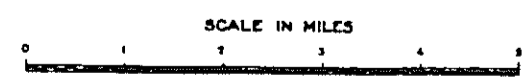
Water levels in the Recent and Upper Pleistocene and along some peripheral areas are shown in the shallow aquifer map.

Areas showing no ground water contours on either shallow or deep aquifer maps constitute areas which are outside of limits of ground water basins or principal aquifer or for which there is no data.

**LEGEND**

- Wells used for control - Principal aquifers
- ⊕ Wells used for control - Basal San Pedro
- ⊕ Wells used for control - "400-foot gravels"
- Lines of equal pressure levels - principal aquifers.
- Same as above - location approximate.
- Lines of equal pressure levels - Basal San Pedro (Lakewood Area)
- Same as above - location approximate.
- Lines of equal pressure levels - "400-foot gravels" (West Coast Basin)
- Same as above - location approximate.
- Geologic Fault (may locally act as a barrier to ground water movement.)
- Approximate line marking transition from free groundwater levels to groundwater pressure levels. (Limit north of barriers D.W.R. Bull. N<sup>o</sup> 45, 1933; south of barriers, U.S.G.S., 1947)
- ▨ Los Angeles County Flood Control District Spreading Grounds.
- ~ Surface contours.
- ⊕ Flowing well.

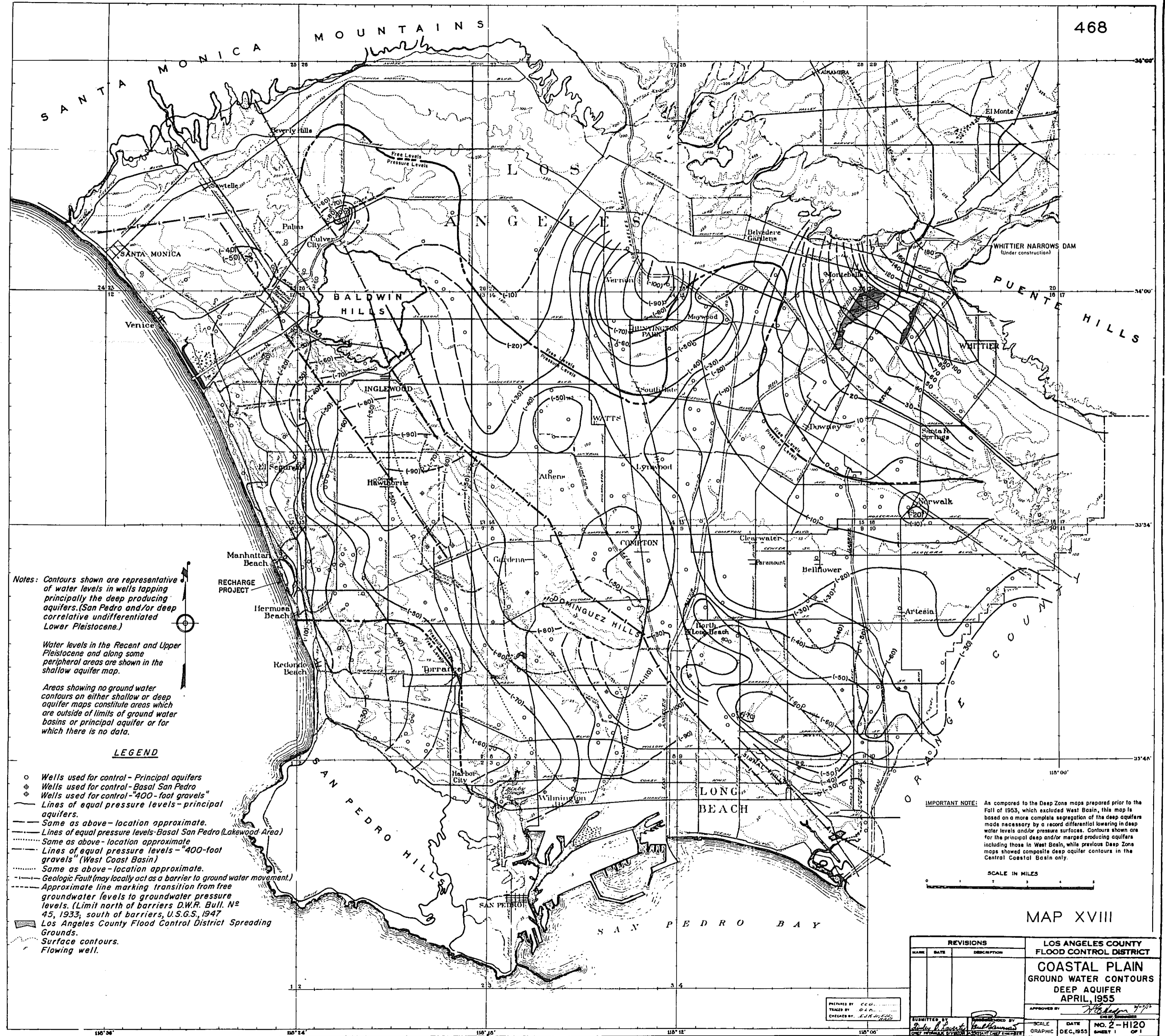
**IMPORTANT NOTE:** As compared to the Deep Zone maps prepared prior to the Fall of 1953, which excluded West Basin, this map is based on a more complete aggregation of the deep aquifers made necessary by a record differential lowering in deep water levels and/or pressure surfaces. Contours shown are for the principal deep and/or merged producing aquifers including those in West Basin, while previous Deep Zone maps showed composite deep aquifer contours in the Central Coastal Basin only.



**MAP XVII**

REVISIONS			LOS ANGELES COUNTY FLOOD CONTROL DISTRICT	
MARK	DATE	DESCRIPTION		
			<b>COASTAL PLAIN GROUND WATER CONTOURS DEEP AQUIFER APRIL, 1954</b>	
			APPROVED BY: <i>[Signature]</i>	
			SUBMITTED BY: <i>[Signature]</i>	
			SCALE: GRAPHIC DEC, 1955 SHEET 1 OF 1	

PREPARED BY: CCO  
 TRACED BY: GJA  
 CHECKED BY: LAM, BAH



Notes: Contours shown are representative of water levels in wells tapping principally the deep producing aquifers. (San Pedro and/or deep correlative undifferentiated Lower Pleistocene.)

Water levels in the Recent and Upper Pleistocene and along some peripheral areas are shown in the shallow aquifer map.

Areas showing no ground water contours on either shallow or deep aquifer maps constitute areas which are outside of limits of ground water basins or principal aquifer or for which there is no data.

**LEGEND**

- Wells used for control - Principal aquifers
- ⊕ Wells used for control - Basal San Pedro
- ⊕ Wells used for control - "400-foot gravels"
- Lines of equal pressure levels - principal aquifers.
- Same as above - location approximate.
- Lines of equal pressure levels - Basal San Pedro (Lakewood Area)
- Same as above - location approximate
- Lines of equal pressure levels - "400-foot gravels" (West Coast Basin)
- Same as above - location approximate.
- Geologic Fault (may locally act as a barrier to ground water movement.)
- Approximate line marking transition from free groundwater levels to groundwater pressure levels. (Limit north of barriers D.W.R. Bull. No. 45, 1933; south of barriers, U.S.G.S., 1947)
- ▨ Los Angeles County Flood Control District Spreading Grounds.
- Surface contours.
- Flowing well.

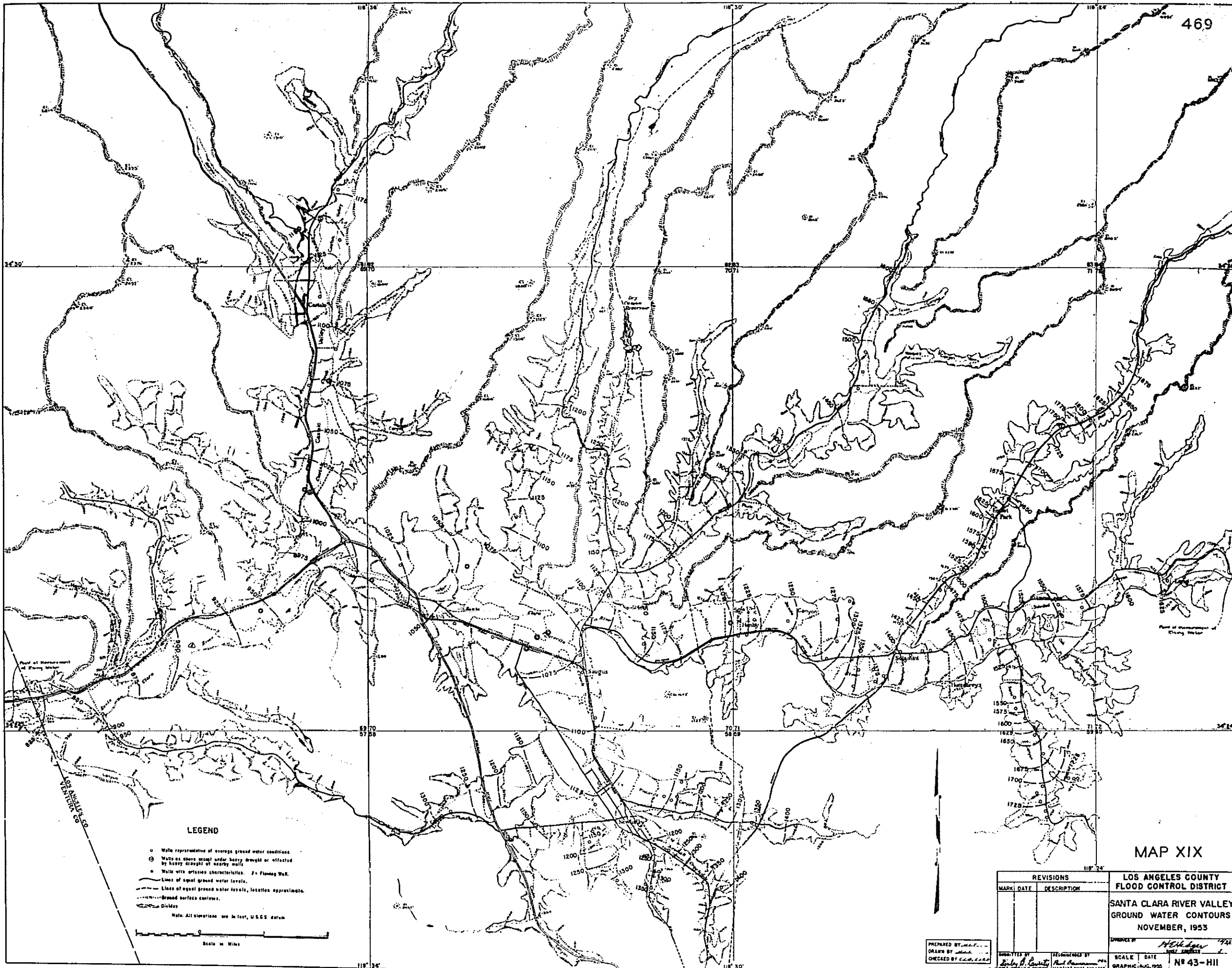
IMPORTANT NOTE: As compared to the Deep Zone maps prepared prior to the Fall of 1953, which excluded West Basin, this map is based on a more complete segregation of the deep aquifers made necessary by a record differential lowering in deep water levels and/or pressure surfaces. Contours shown are for the principal deep and/or merged producing aquifers including those in West Basin, while previous Deep Zone maps showed composite deep aquifer contours in the Central Coastal Basin only.

SCALE IN MILES

**MAP XVIII**

REVISIONS			LOS ANGELES COUNTY FLOOD CONTROL DISTRICT	
NO.	DATE	DESCRIPTION		
			<b>COASTAL PLAIN GROUND WATER CONTOURS DEEP AQUIFER APRIL, 1955</b>	
			APPROVED BY: <i>[Signature]</i>	
PREPARED BY: <i>[Signature]</i> TRACED BY: <i>[Signature]</i> CHECKED BY: <i>[Signature]</i>			SCALE GRAPHIC: <i>[Signature]</i> DATE: DEC, 1955 NO. 2 - H120 SHEET 1 OF 1	

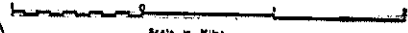




LEGEND

- Wells representative of average ground water conditions
- ⊙ Wells on mesa tops and/or heavy drought or affected by heavy drought or heavy well
- Wells with artesian characteristics. F. Flowing Well.
- Lines of equal ground water levels.
- Lines of equal ground water levels, location approximate.
- ⋯ Ground surface contours.
- ⊖ Ditches

Note: All elevations are in feet, U.S.G.S datum.



MAP XIX

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

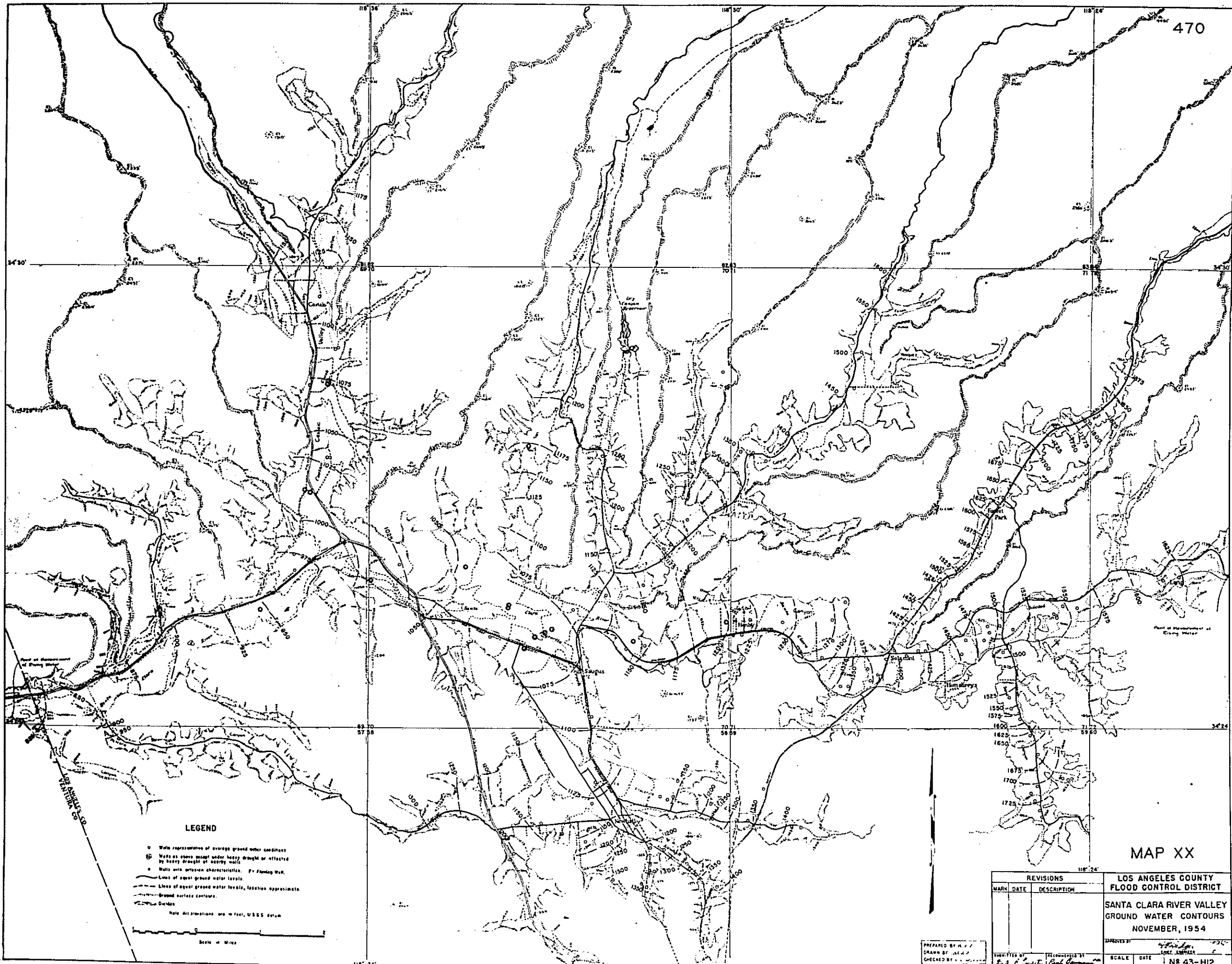
SANTA CLARA RIVER VALLEY GROUND WATER CONTOURS NOVEMBER, 1953

PREPARED BY: H. H. ...

REVISIONS	
MARK	DESCRIPTION

PREPARED BY: H. H. ...  
 DRAWN BY: ...  
 CHECKED BY: ...

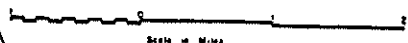
SCALE: GRAPHIC, AUG. 1953  
 DATE: ...  
 NO. 43-HII



LEGEND

- Wells representative of average ground water conditions
- ⊖ Wells on steep slopes under heavy drought or affected by heavy drought of nearby wells
- Wells with unusual characteristics. P = flowing well.
- Lines of equal ground water levels.
- - - Lines of equal ground water levels, location approximate.
- Ground surface contours.
- Drainage divides.

Note: All elevations are in feet, U.S.C.S. datum.



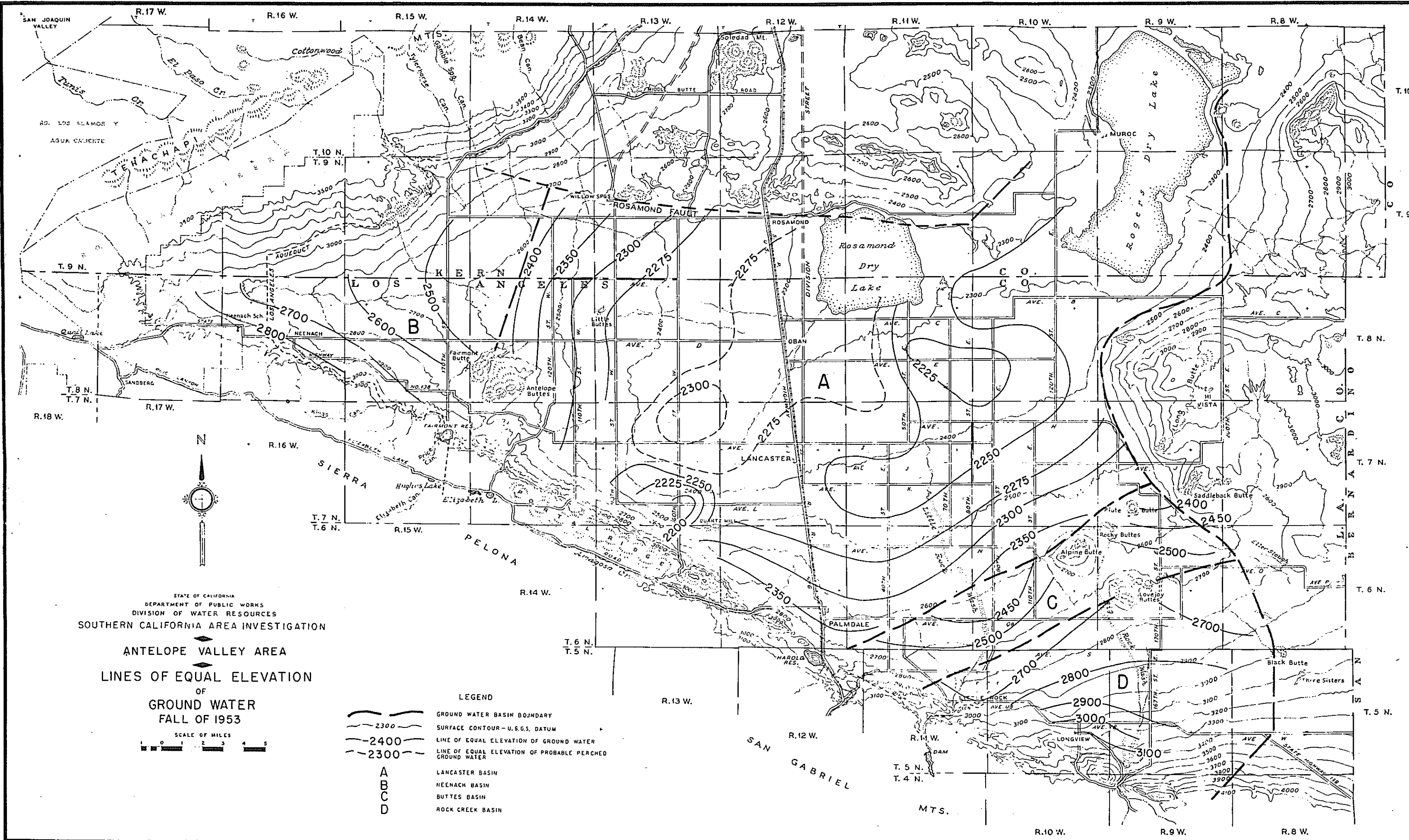
Scale in Miles

MAP XX

REVISIONS		LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
MARK	DATE	
SANTA CLARA RIVER VALLEY GROUND WATER CONTOURS NOVEMBER, 1954		
PREPARED BY: <i>[Signature]</i> DRAWN BY: <i>[Signature]</i> CHECKED BY: <i>[Signature]</i>		SCALE: DATE: <i>[Signature]</i> GRAPHIC: AUG. 1955. NR 43-112

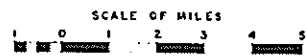
PREPARED BY: *[Signature]*  
DRAWN BY: *[Signature]*  
CHECKED BY: *[Signature]*

SCALE: DATE: *[Signature]*  
GRAPHIC: AUG. 1955. NR 43-112



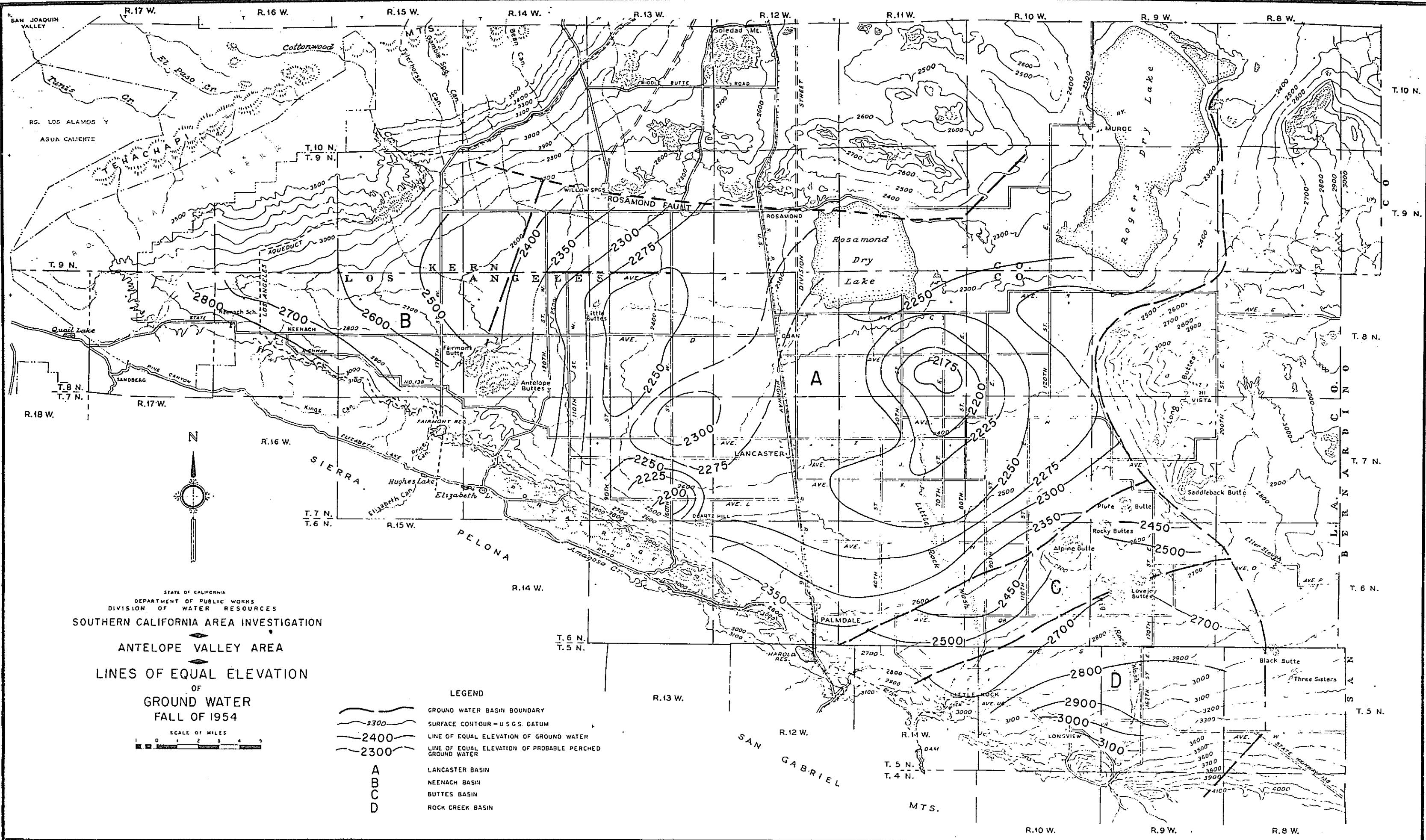
STATE OF CALIFORNIA  
 DEPARTMENT OF PUBLIC WORKS  
 DIVISION OF WATER RESOURCES  
 SOUTHERN CALIFORNIA AREA INVESTIGATION

ANTELOPE VALLEY AREA  
 LINES OF EQUAL ELEVATION  
 OF  
 GROUND WATER  
 FALL OF 1953



- LEGEND**
- GROUND WATER BASIN BOUNDARY
  - SURFACE CONTOUR - U.S.G.S. DATUM
  - LINE OF EQUAL ELEVATION OF GROUND WATER
  - LINE OF EQUAL ELEVATION OF PROBABLE PERCHED GROUND WATER
- A** LANCASTER BASIN  
**B** HEENACH BASIN  
**C** BUTTES BASIN  
**D** ROCK CREEK BASIN

MAP XXI



STATE OF CALIFORNIA  
 DEPARTMENT OF PUBLIC WORKS  
 DIVISION OF WATER RESOURCES  
 SOUTHERN CALIFORNIA AREA INVESTIGATION

ANTELOPE VALLEY AREA  
 LINES OF EQUAL ELEVATION  
 OF  
 GROUND WATER  
 FALL OF 1954

SCALE OF MILES  
 0 1 2 3 4 5

- LEGEND**
- GROUND WATER BASIN BOUNDARY
  - SURFACE CONTOUR—U.S.G.S. DATUM
  - LINE OF EQUAL ELEVATION OF GROUND WATER
  - LINE OF EQUAL ELEVATION OF PROBABLE PERCHED GROUND WATER
  - A** LANCASTER BASIN
  - B** NEENACH BASIN
  - C** BUTTES BASIN
  - D** ROCK CREEK BASIN